

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092019\
 Data File : VN058273.D
 Acq On : 20 Sep 2019 23:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/23/2019 3:31:14 PM

Quant Time: Sep 21 05:26:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	445142	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	764973	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	711038	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	351486	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	343892	55.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.94%	
35) Dibromofluoromethane	7.58	113	245325	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	
50) Toluene-d8	10.08	98	970680	53.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.14%	
62) 4-Bromofluorobenzene	12.41	95	357837	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	162273	44.376	ug/l	98
3) Chloromethane	2.04	50	140908	49.991	ug/l	100
4) Vinyl Chloride	2.17	62	157434	51.097	ug/l	99
5) Bromomethane	2.54	94	82302	50.435	ug/l	99
6) Chloroethane	2.69	64	103581	52.552	ug/l	96
7) Trichlorofluoromethane	3.00	101	236493	47.381	ug/l	98
8) Diethyl Ether	3.39	74	108779	47.564	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.74	101	169780	47.179	ug/l	99
10) Methyl Iodide	3.93	142	148545	49.261	ug/l	99
11) Tert butyl alcohol	4.76	59	198783	269.536	ug/l	100
12) 1,1-Dichloroethene	3.72	96	138210	50.612	ug/l	94
13) Acrolein	3.59	56	67328	616.022	ug/l	93
14) Allyl chloride	4.30	41	250233	42.495	ug/l	92
15) Acrylonitrile	4.96	53	553569	281.728	ug/l	99
16) Acetone	3.79	43	470290	223.467	ug/l	100
17) Carbon Disulfide	4.03	76	172956	45.020	ug/l	99
18) Methyl Acetate	4.30	43	304014	54.899	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	714908	52.671	ug/l	98
20) Methylene Chloride	4.53	84	197389	53.588	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	149420	50.212	ug/l	99
22) Diisopropyl ether	5.93	45	788406	52.707	ug/l	96
23) Vinyl Acetate	5.87	43	2841497	277.619	ug/l	100
24) 1,1-Dichloroethane	5.83	63	405232	50.759	ug/l	100
25) 2-Butanone	6.81	43	765038	266.829	ug/l	99
26) 2,2-Dichloropropane	6.81	77	263817	38.952	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	227000	50.287	ug/l	99
28) Bromochloromethane	7.18	49	209328	55.426	ug/l	99
29) Tetrahydrofuran	7.19	42	481304	272.526	ug/l	99
30) Chloroform	7.36	83	439828	51.181	ug/l	99
31) Cyclohexane	7.64	56	257137	49.819	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	337252	51.552	ug/l	98
36) 1,1-Dichloropropene	7.78	75	252535	45.777	ug/l	99
37) Ethyl Acetate	6.91	43	301792	52.715	ug/l	100
38) Carbon Tetrachloride	7.76	117	268909	48.492	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	254219	47.665	ug/l	100
40) Benzene	8.03	78	821722	48.768	ug/l	99
41) Methacrylonitrile	7.16	41	139787m	48.496	ug/l	
42) 1,2-Dichloroethane	8.11	62	348829	49.338	ug/l	100
43) Isopropyl Acetate	8.15	43	539551	50.463	ug/l	100
44) Trichloroethene	8.83	130	220366	53.444	ug/l	97
45) 1,2-Dichloropropane	9.11	63	258038	51.280	ug/l	98
46) Dibromomethane	9.20	93	155905	50.961	ug/l	98
47) Bromodichloromethane	9.40	83	337720	52.693	ug/l	97
48) Methyl methacrylate	9.19	41	261505	53.867	ug/l	100
49) 1,4-Dioxane	9.19	88	87302	1095.324	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1739194	306.242	ug/l	99
52) Toluene	10.15	92	527295	49.934	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	335857	51.157	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	365854	50.473	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	252334	53.846	ug/l	99
56) Ethyl methacrylate	10.43	69	370342	54.773	ug/l	99
57) 1,3-Dichloropropane	10.71	76	422260	52.415	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	934799	290.255	ug/l	100
59) 2-Hexanone	10.75	43	1248905	296.100	ug/l	98
60) Dibromochloromethane	10.90	129	251001	55.675	ug/l	99
61) 1,2-Dibromoethane	11.00	107	227884	52.473	ug/l	99
64) Tetrachloroethene	10.63	164	164855	47.562	ug/l	98
65) Chlorobenzene	11.44	112	621790	49.717	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	237869	52.452	ug/l	99
67) Ethyl Benzene	11.51	91	1107193	51.666	ug/l	99
68) m/p-Xylenes	11.62	106	805075	99.747	ug/l	96
69) o-Xylene	11.95	106	410538	51.729	ug/l	99
70) Styrene	11.97	104	731215	53.474	ug/l	100
71) Bromoform	12.13	173	158133	47.246	ug/l #	99
73) Isopropylbenzene	12.25	105	1159854	52.719	ug/l	100
74) N-amyl acetate	12.07	43	516302	56.096	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	404911	54.959	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	363061m	57.716	ug/l	
77) Bromobenzene	12.53	156	271955	49.141	ug/l	98
78) n-propylbenzene	12.60	91	1360262	54.409	ug/l	99
79) 2-Chlorotoluene	12.68	91	818180	52.365	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1003950	53.963	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	92457	44.468	ug/l	97
82) 4-Chlorotoluene	12.78	91	852117	51.882	ug/l	99
83) tert-Butylbenzene	13.00	119	890733	53.688	ug/l	100
84) 1,2,4-Trimethylbenzene	13.05	105	1018253	54.998	ug/l	99
85) sec-Butylbenzene	13.18	105	1193324	55.004	ug/l	99
86) p-Isopropyltoluene	13.30	119	1058710	54.891	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	521814	51.624	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	525003	50.875	ug/l	100
89) n-Butylbenzene	13.62	91	974490	53.291	ug/l	100
90) Hexachloroethane	13.88	117	169067	49.988	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	527237	51.999	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	72707	54.816	ug/l	98

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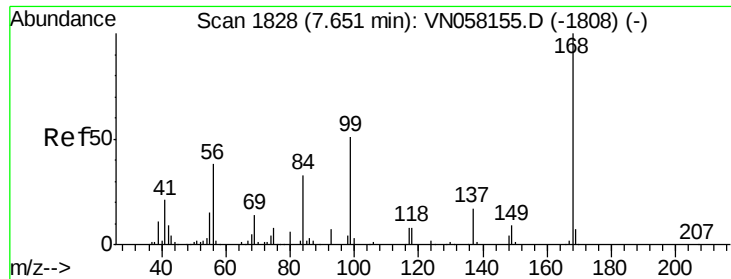
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	316402	48.840	ug/l	99
94) Hexachlorobutadiene	15.02	225	155970	49.812	ug/l	96
95) Naphthalene	15.13	128	863741	51.447	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	300404	49.060	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 445142

Ion Ratio Lower Upper

168 100

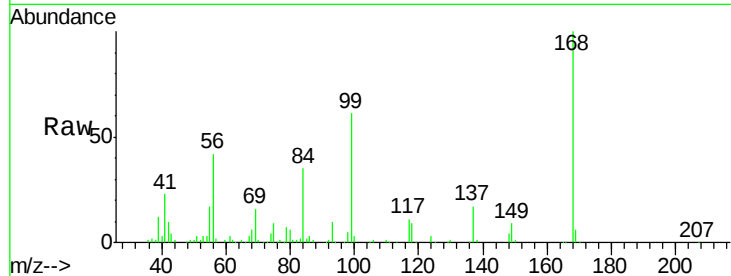
99 60.7 47.4 71.2

Manual Integrations

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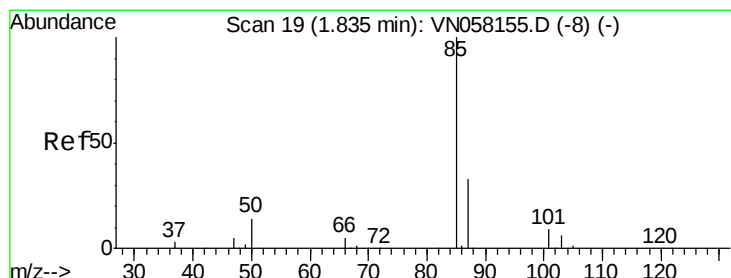
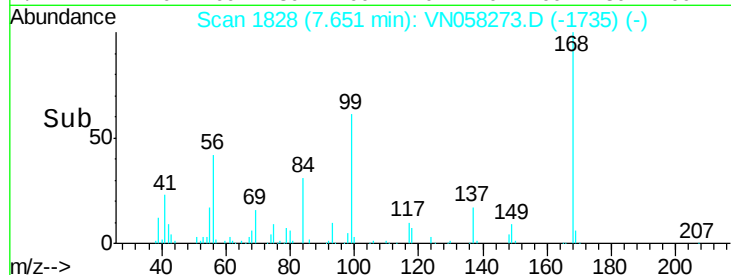
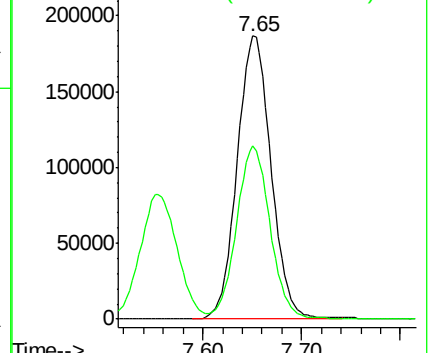
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 44.376 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058273.D

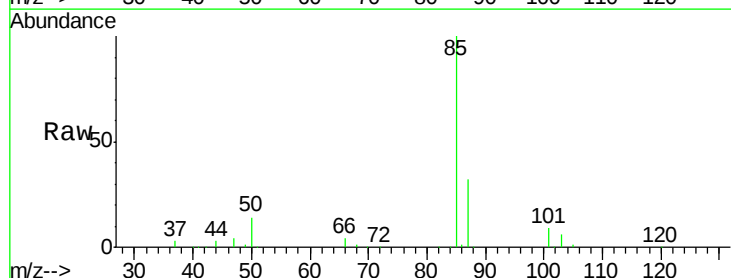
Acq: 20 Sep 2019 23:42

Tgt Ion: 85 Resp: 162273

Ion Ratio Lower Upper

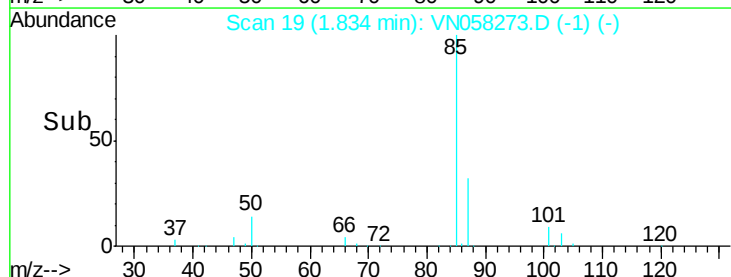
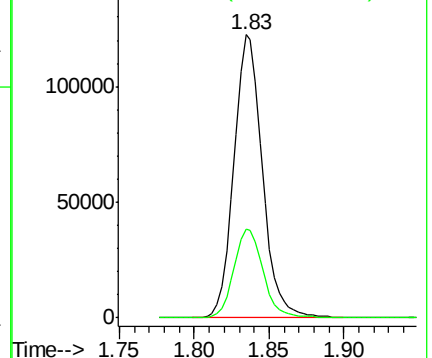
85 100

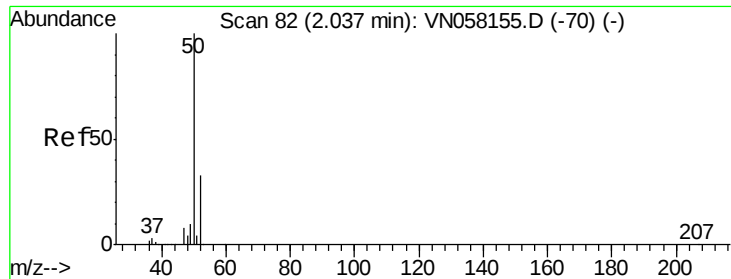
87 31.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 49.991 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 140908

Ion Ratio Lower Upper

50 100

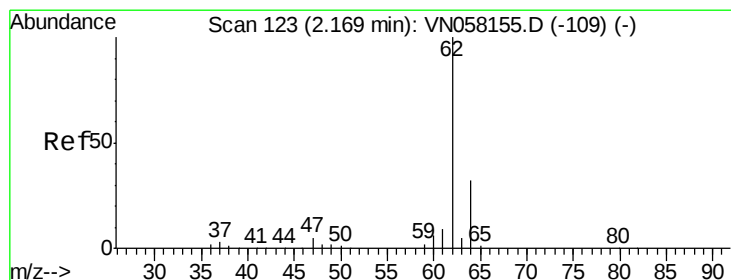
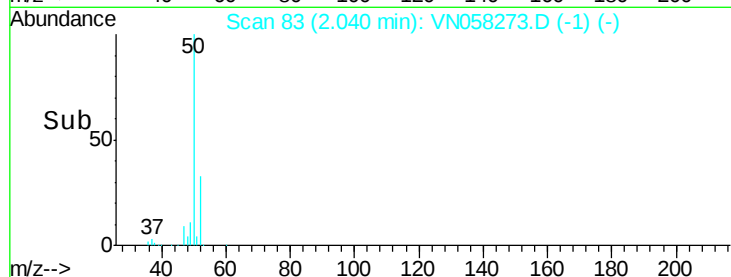
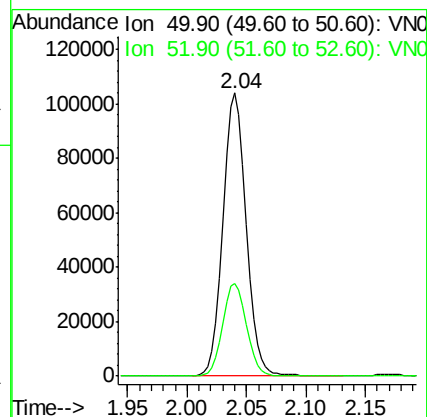
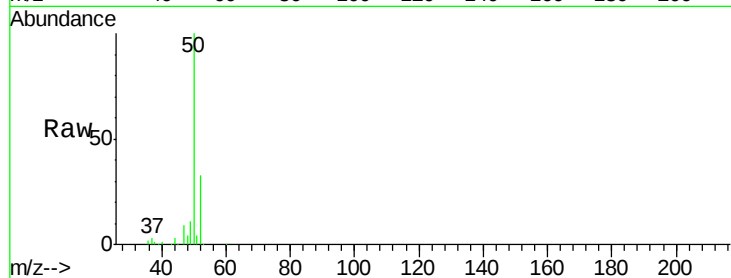
52 32.9 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.097 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058273.D

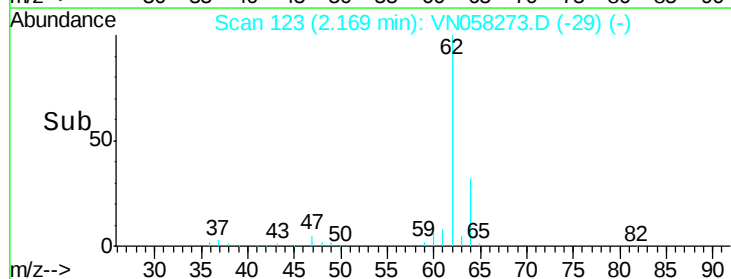
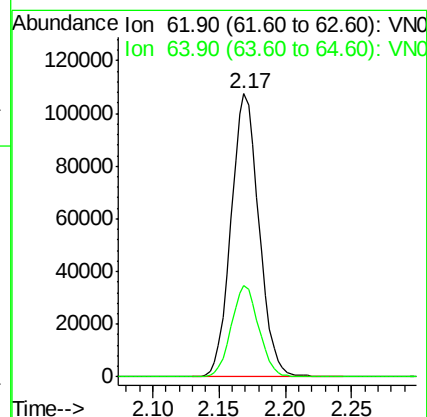
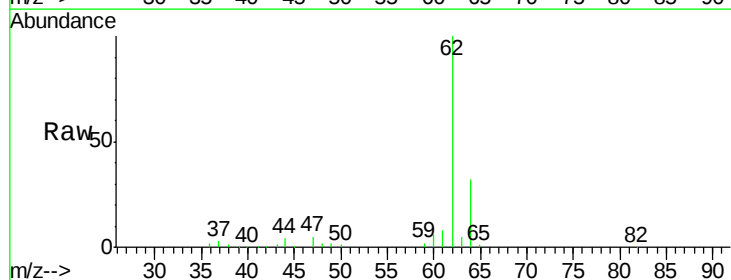
Acq: 20 Sep 2019 23:42

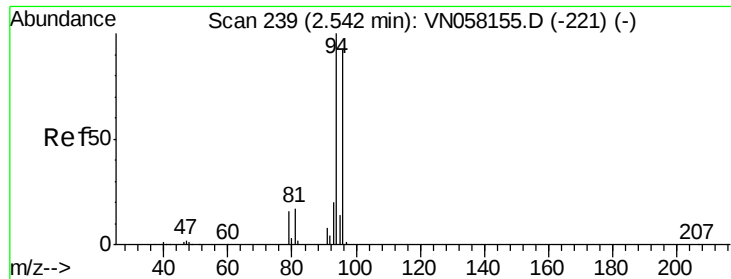
Tgt Ion: 62 Resp: 157434

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.2





#5

Bromomethane

Concen: 50.435 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 82302

Ion Ratio Lower Upper

94 100

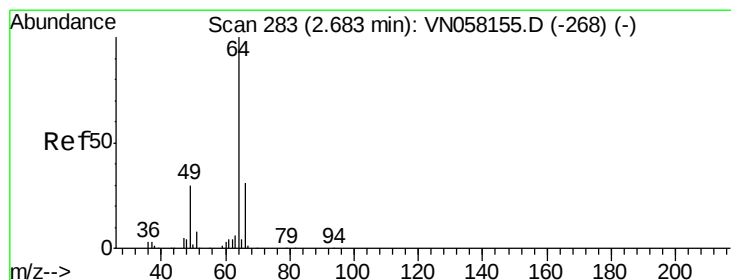
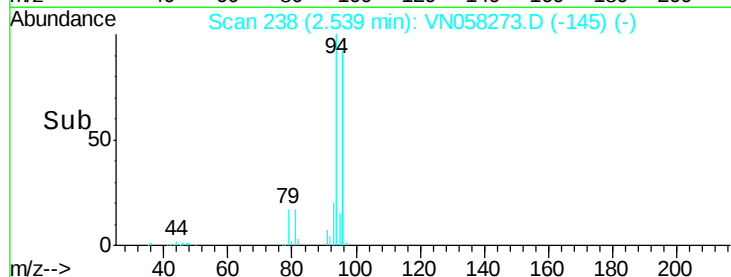
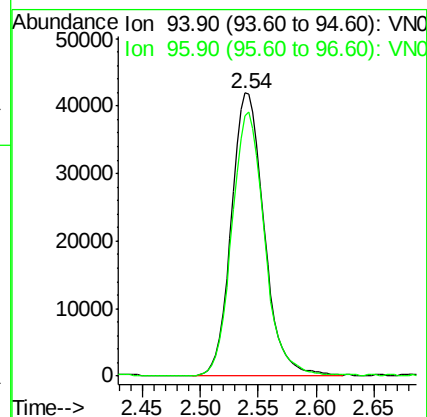
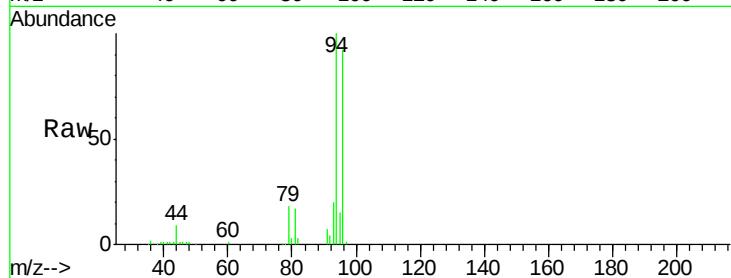
96 92.2 73.3 109.9

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#6

Chloroethane

Concen: 52.552 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058273.D

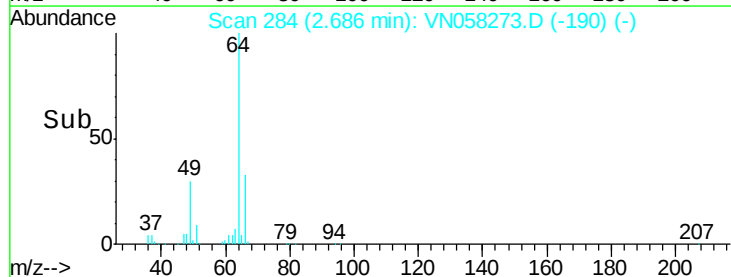
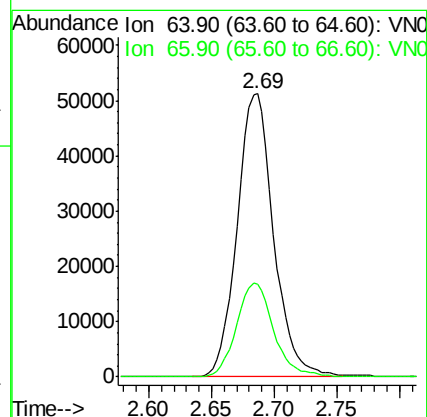
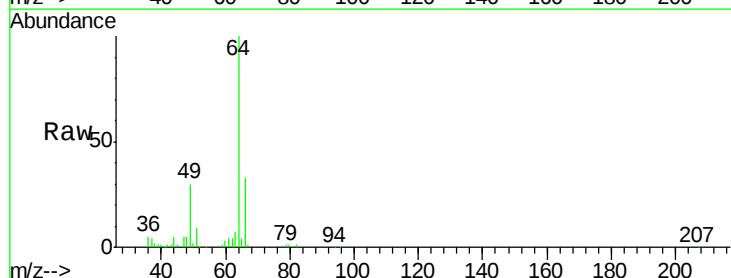
Acq: 20 Sep 2019 23:42

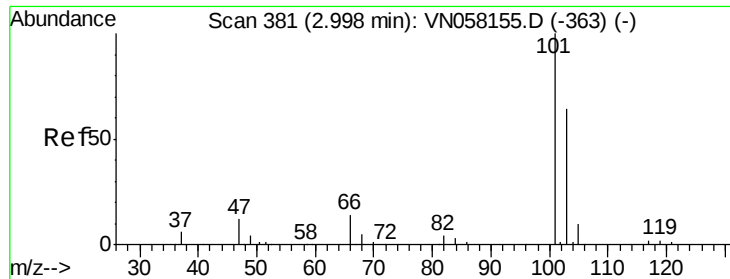
Tgt Ion: 64 Resp: 103581

Ion Ratio Lower Upper

64 100

66 32.7 24.6 37.0





#7

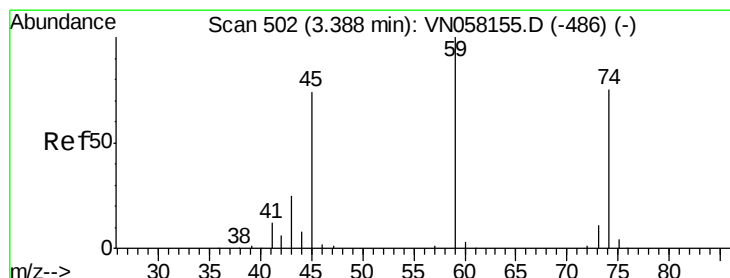
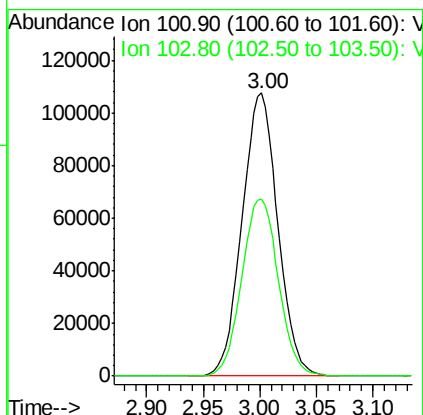
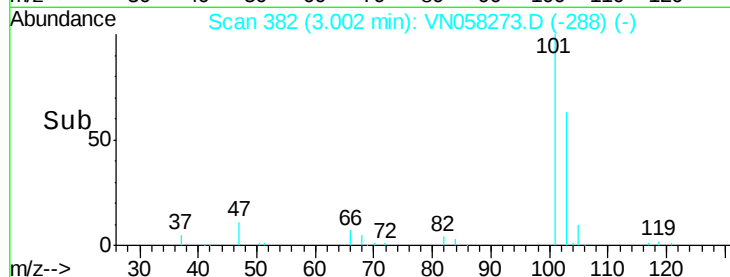
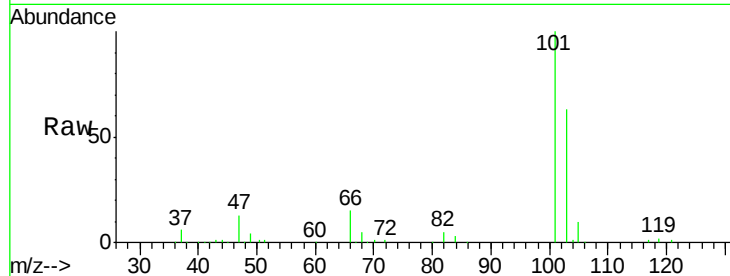
Trichlorofluoromethane
 Concen: 47.381 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN058273.D
 Acq: 20 Sep 2019 23:42

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 236493
 Ion Ratio Lower Upper
 101 100
 103 62.6 51.0 76.6

Manual Integrations
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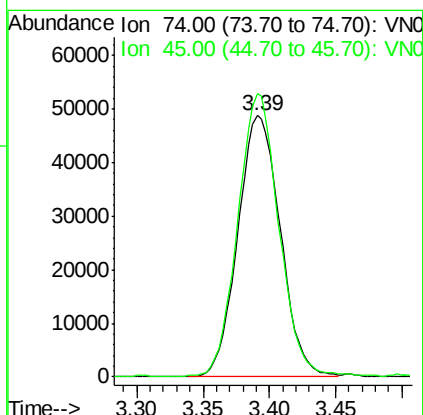
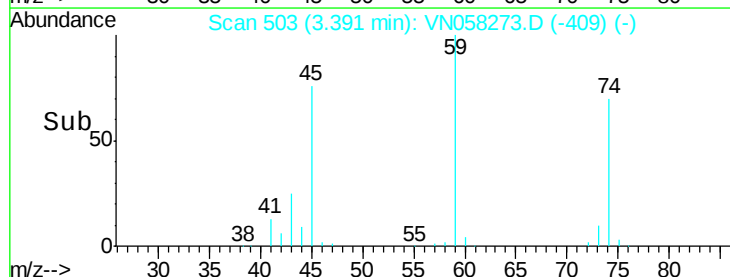
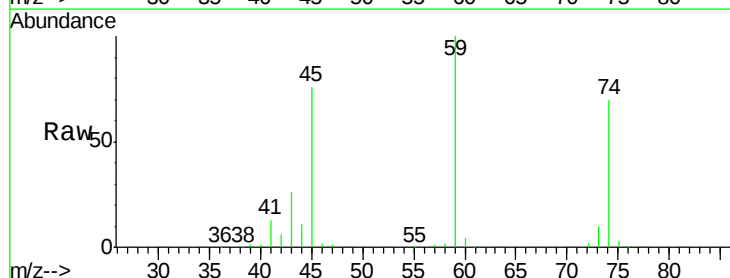
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 9/23/2019 3:31:14 PM

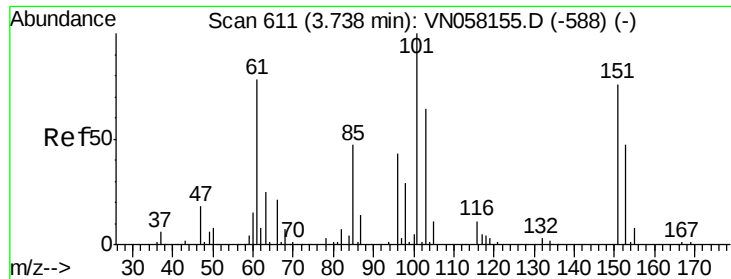


#8

Diethyl Ether
 Concen: 47.564 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058273.D
 Acq: 20 Sep 2019 23:42

Tgt Ion: 74 Resp: 108779
 Ion Ratio Lower Upper
 74 100
 45 105.6 48.5 145.5





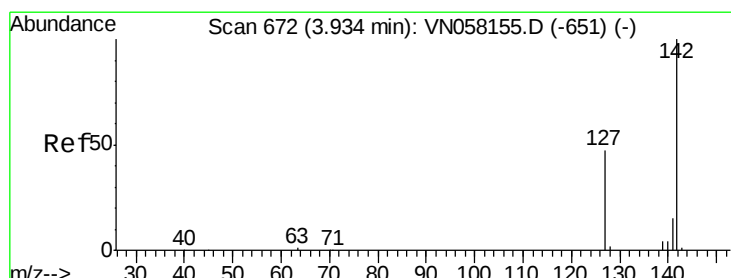
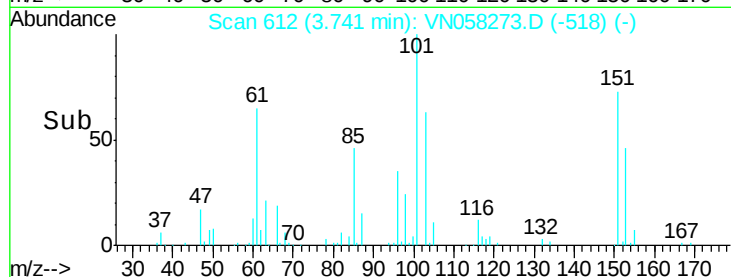
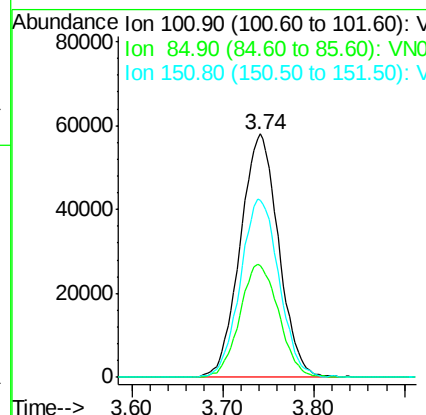
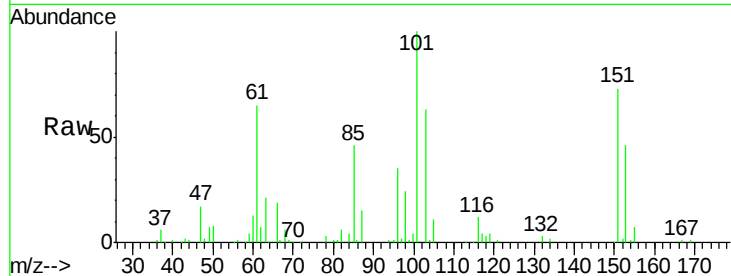
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.179 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	47.1	37.3	55.9
151	73.8	59.6	89.4

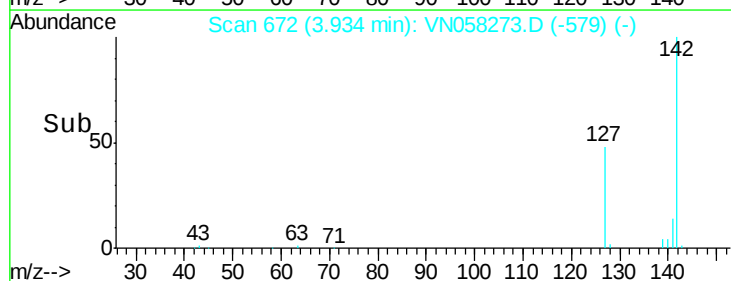
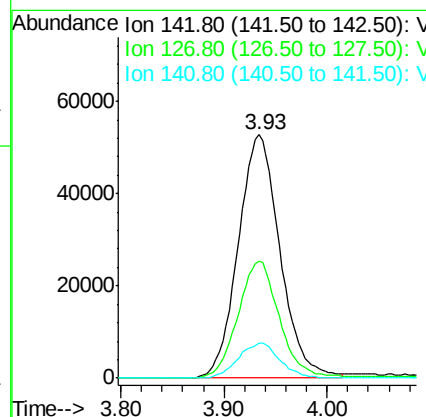
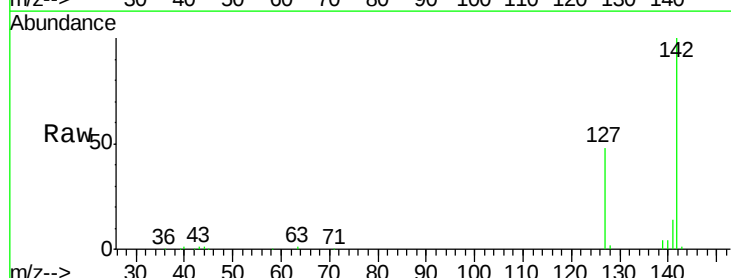
Manual Integrations
APPROVED

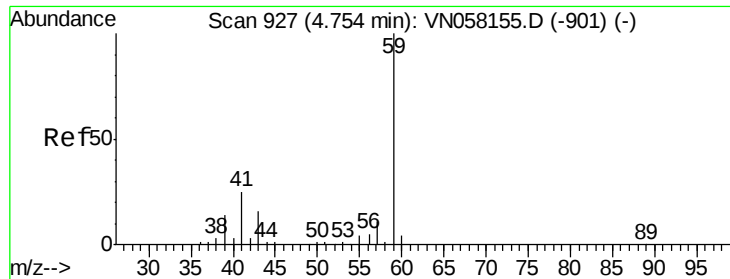
MMDadoda
9/23/2019 3:31:14 PM



#10
Methyl Iodide
Concen: 49.261 ug/l
RT: 3.93 min Scan# 672
Delta R.T. -0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Tgt Ion	Ratio	Lower	Upper
142	100		
127	47.9	37.5	56.3
141	14.3	11.4	17.2





#11

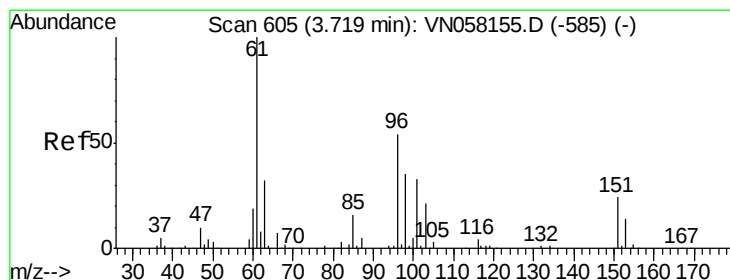
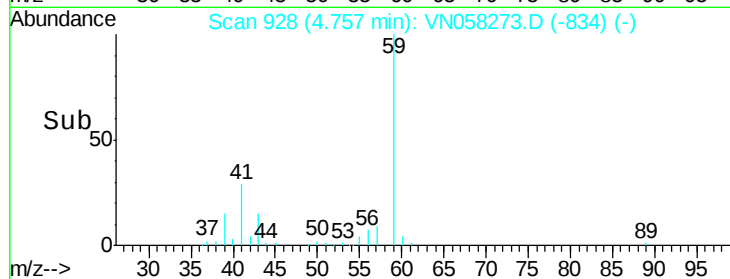
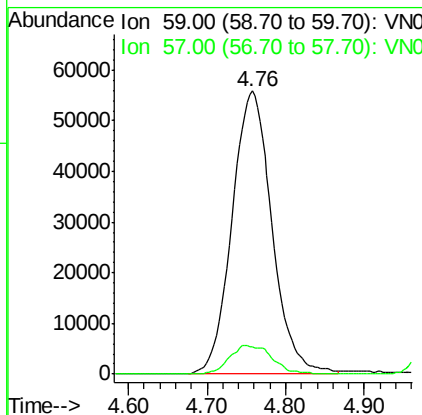
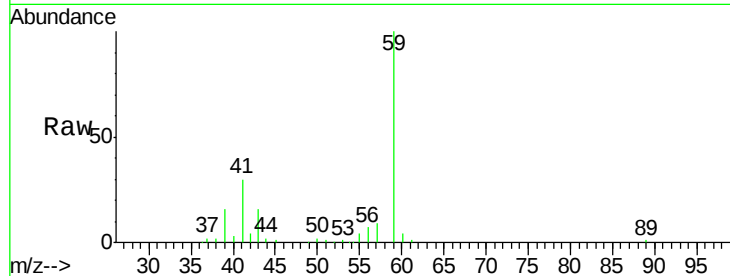
Tert butyl alcohol
Concen: 269.536 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	198783
Ion Ratio	100	Lower	Upper
57	10.8	8.6	13.0

Manual Integrations
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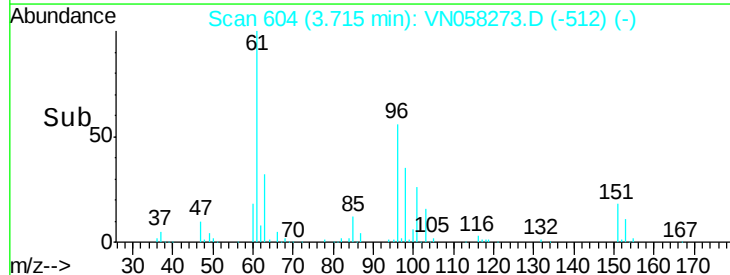
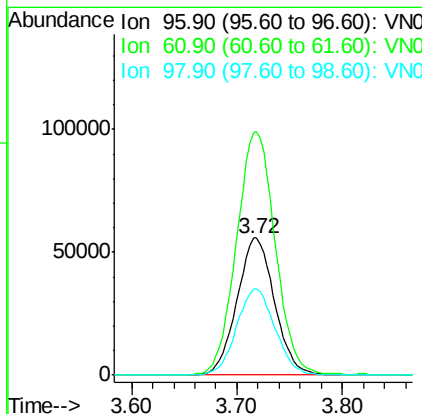
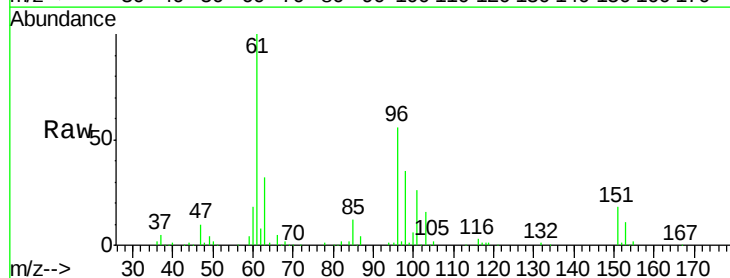
MMDadoda
9/23/2019 3:31:14 PM

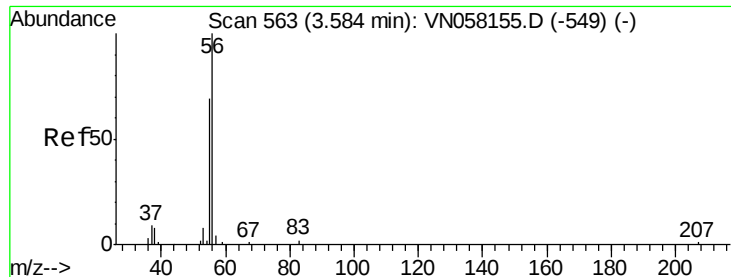


#12

1,1-Dichloroethene
Concen: 50.612 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Tgt Ion	96	Resp	138210
Ion Ratio	100	Lower	Upper
61	177.2	149.5	224.3
98	62.6	52.4	78.6





#13

Acrolein

Concen: 616.022 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 67328

Ion Ratio Lower Upper

56 100

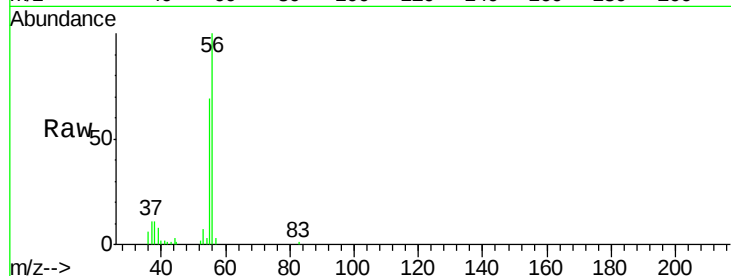
55 75.9 56.1 84.1

Manual Integrations

APPROVED

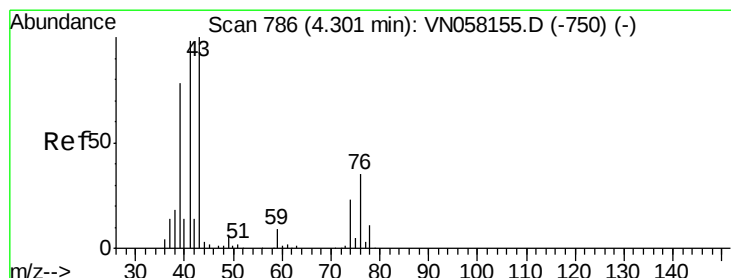
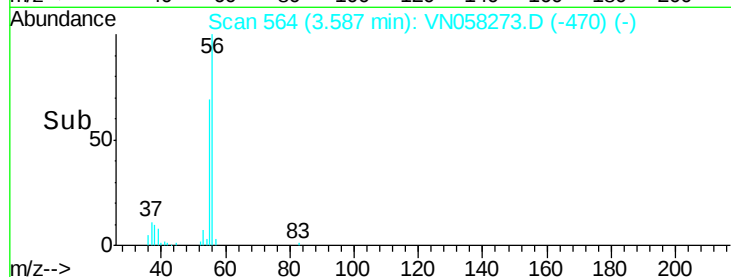
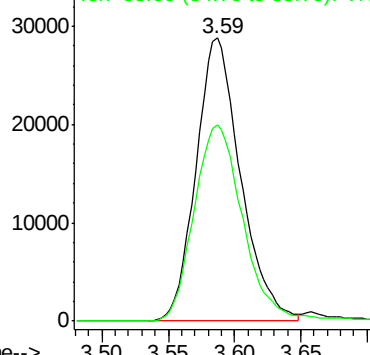
MMDadoda

9/23/2019 3:31:14 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 42.495 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

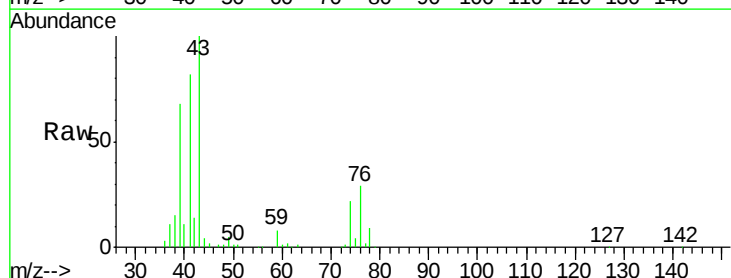
Tgt Ion: 41 Resp: 250233

Ion Ratio Lower Upper

41 100

39 80.9 59.1 88.7

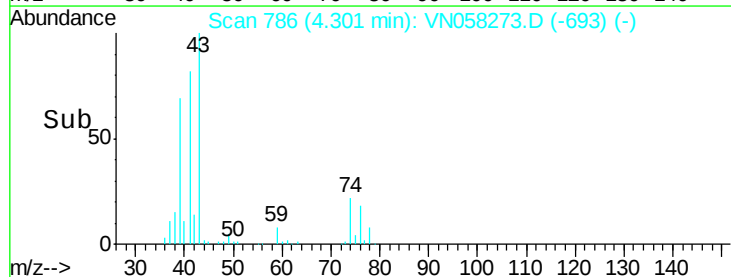
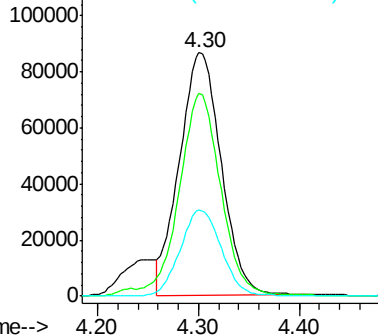
76 34.9 25.1 37.7

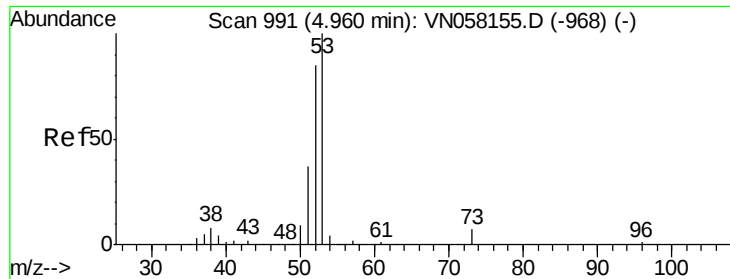


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 281.728 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

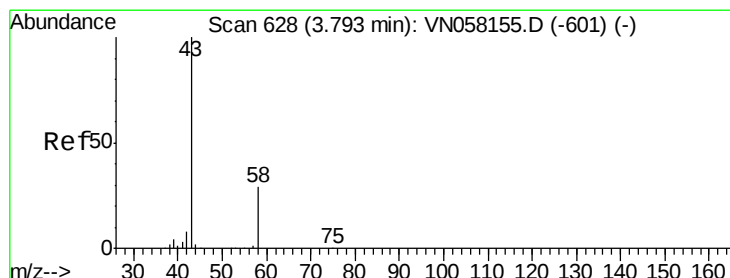
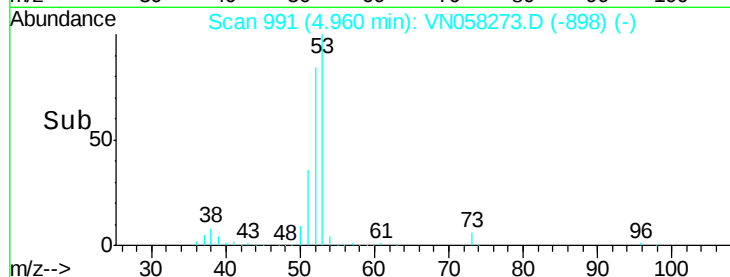
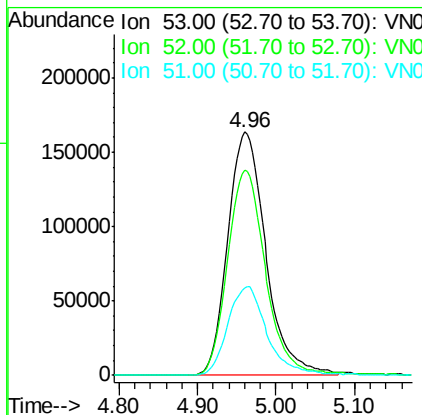
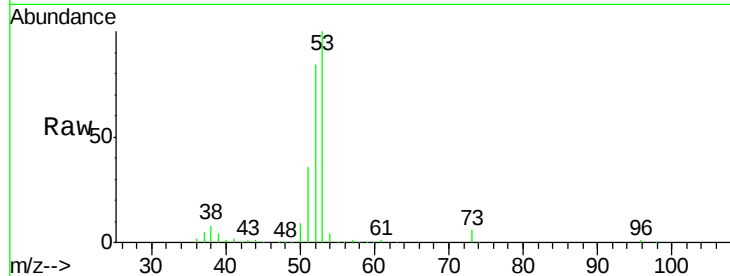
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	553569
Ion	Ratio	Lower	Upper
53	100		
52	84.1	66.6	100.0
51	37.4	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 223.467 ug/l

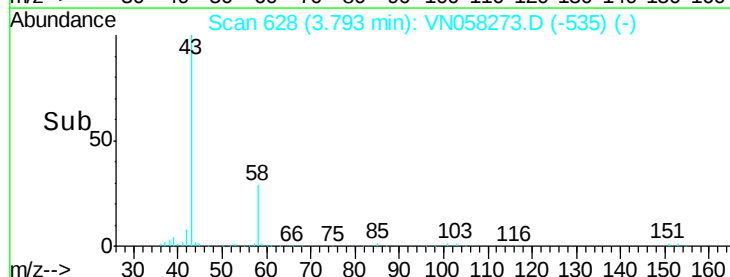
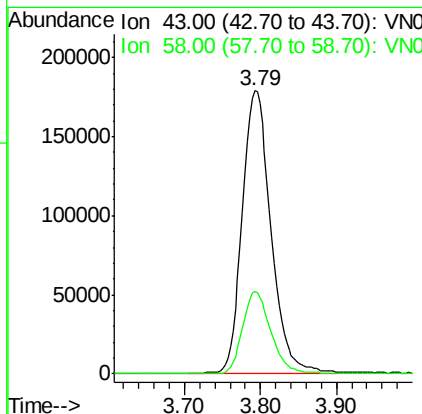
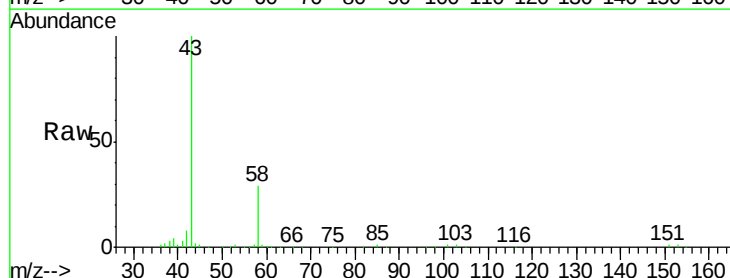
RT: 3.79 min Scan# 628

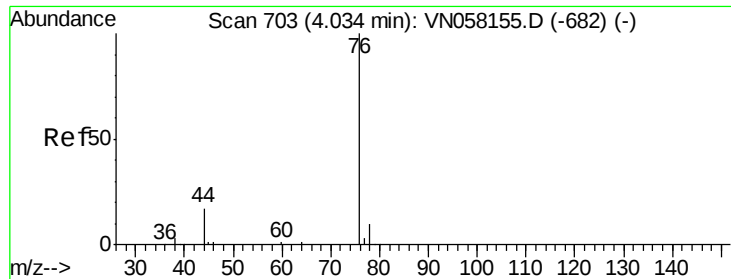
Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Tgt Ion:	43	Resp:	470290
Ion	Ratio	Lower	Upper
43	100		
58	29.2	23.4	35.2





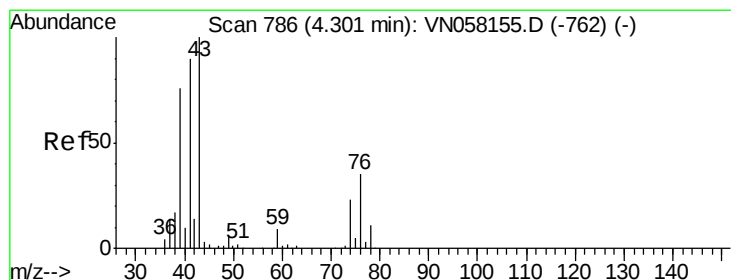
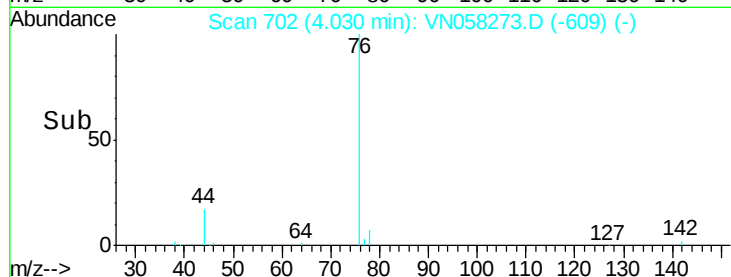
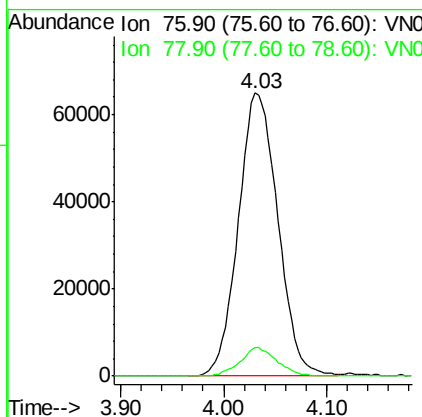
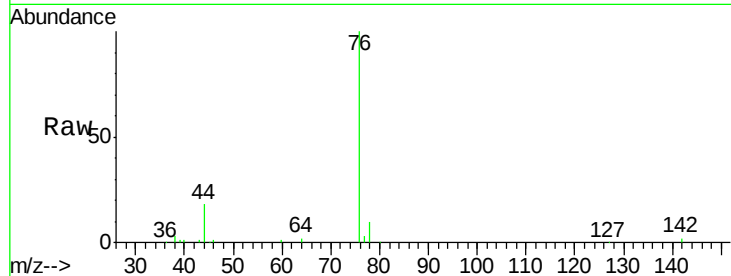
#17
Carbon Disulfide
Concen: 45.020 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 172956
Ion Ratio Lower Upper
76 100
78 10.1 7.7 11.5

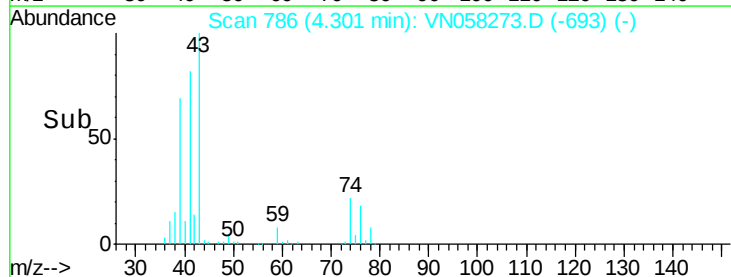
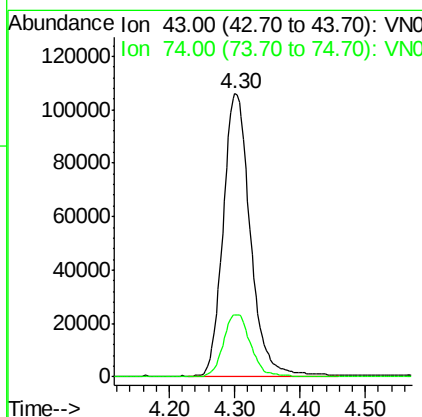
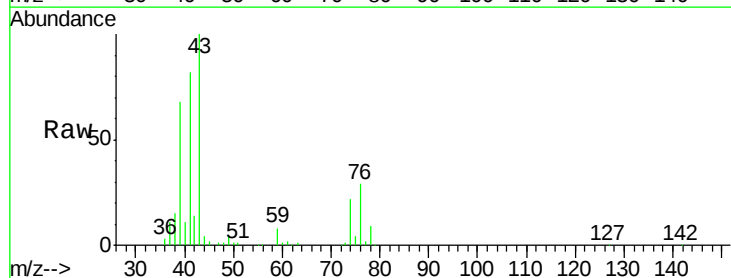
Manual Integrations
APPROVED

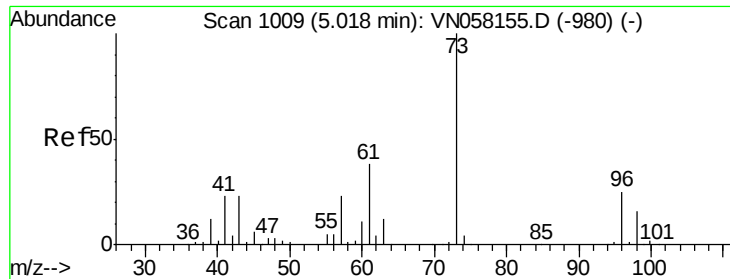
MMDadoda
9/23/2019 3:31:14 PM



#18
Methyl Acetate
Concen: 54.899 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Tgt Ion: 43 Resp: 304014
Ion Ratio Lower Upper
43 100
74 22.4 18.0 27.0





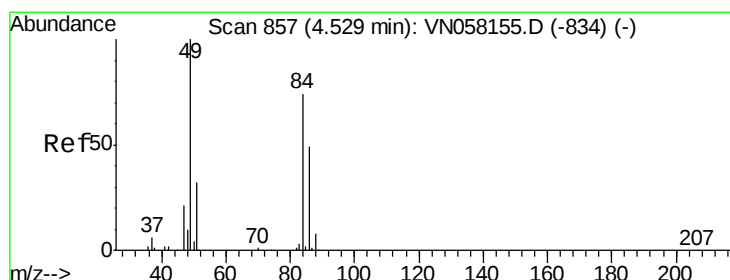
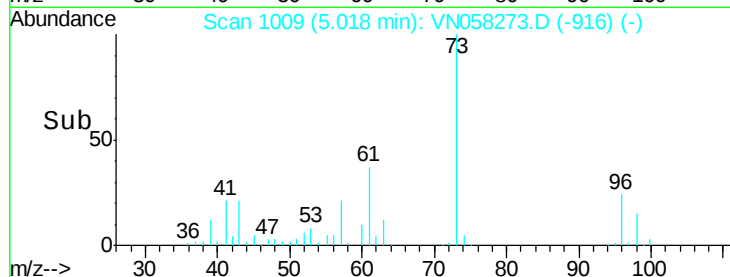
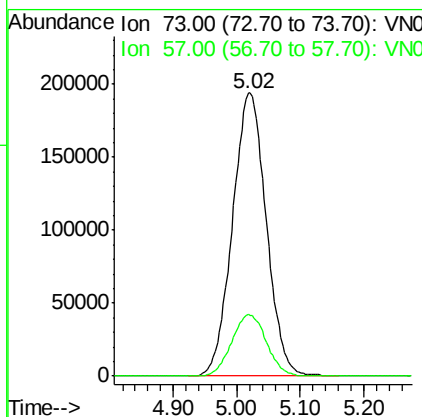
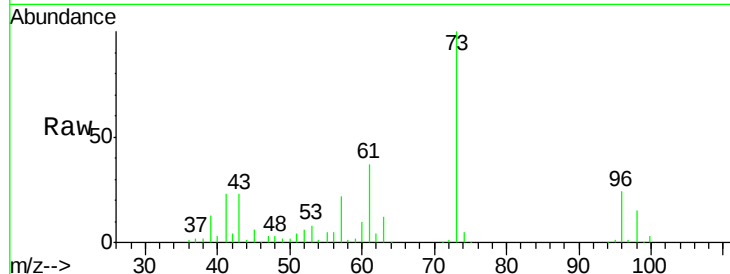
#19
Methvl tert-butvl Ether
Concen: 52.671 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 714908
Ion Ratio Lower Upper
73 100
57 21.8 18.1 27.1

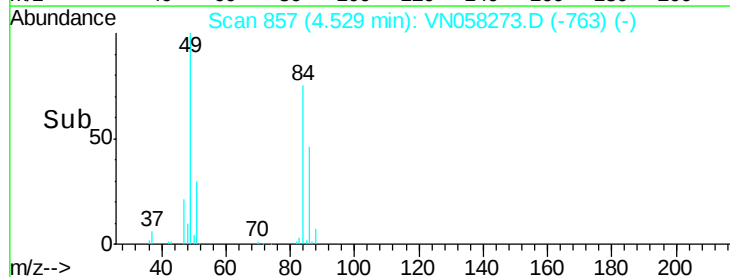
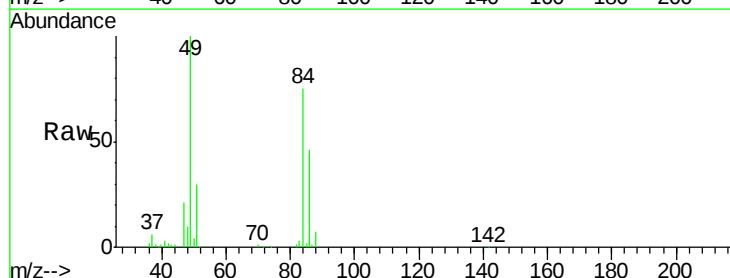
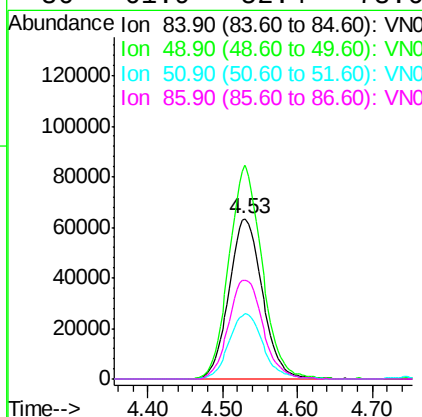
Manual Integrations
APPROVED

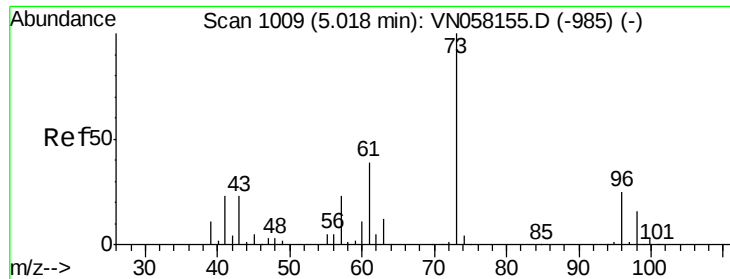
MMDadoda
9/23/2019 3:31:14 PM



#20
Methylene Chloride
Concen: 53.588 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Tgt Ion: 84 Resp: 197389
Ion Ratio Lower Upper
84 100
49 133.4 107.5 161.3
51 40.5 33.9 50.9
86 61.9 52.4 78.6





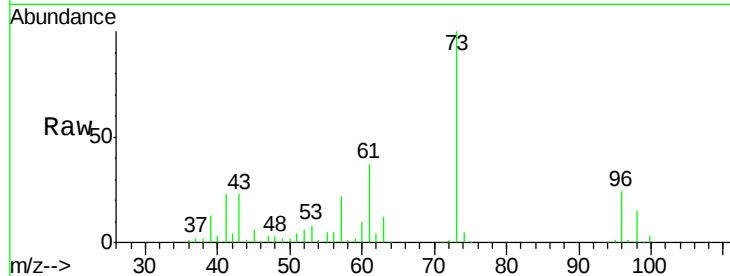
#21
trans-1,2-Dichloroethene
Concen: 50.212 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

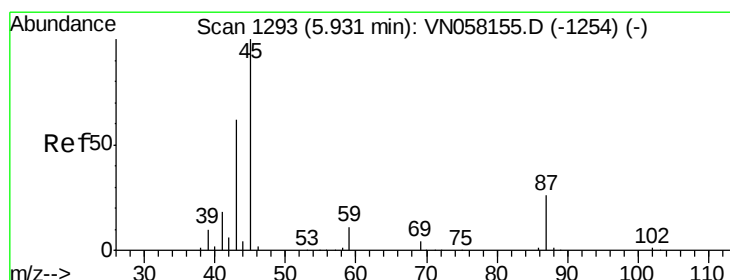
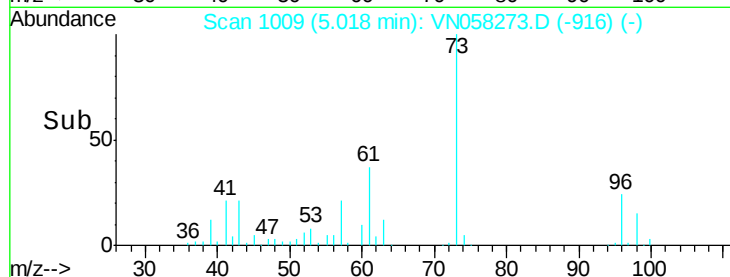
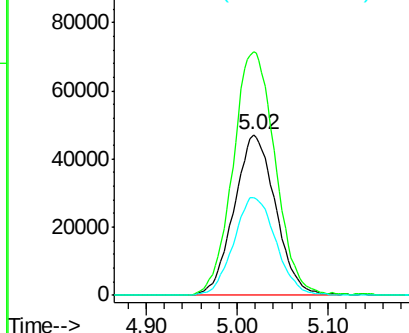
Tot Ion	Ratio	Lower	Upper
96	100		
61	151.4	122.2	183.4
98	60.9	49.9	74.9

Manual Integrations
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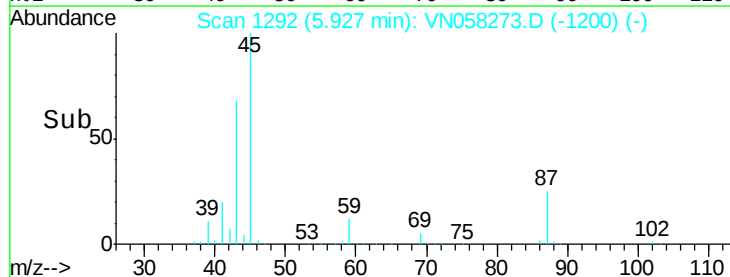
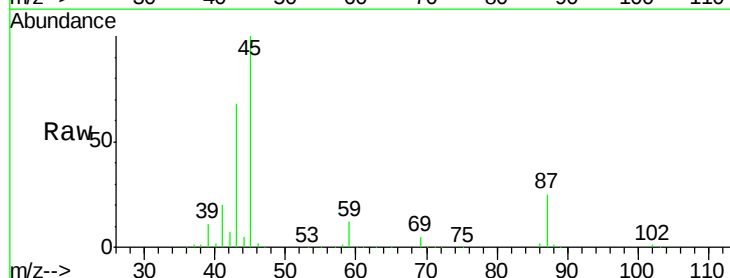
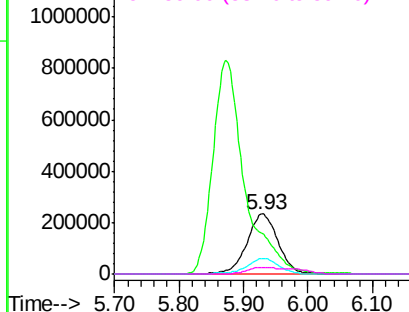
Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

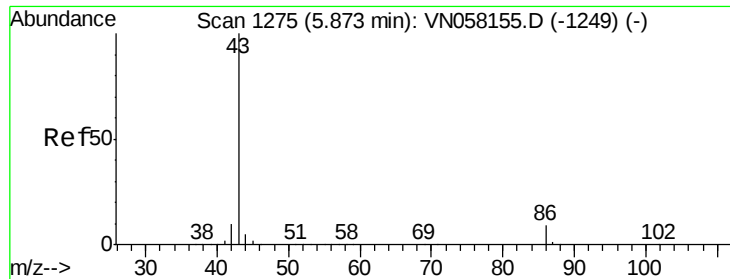


#22
Diisopropyl ether
Concen: 52.707 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.0	49.7	74.5
87	25.3	20.7	31.1
59	11.3	9.1	13.7

Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 277.619 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2841497

Ion Ratio Lower Upper

43 100

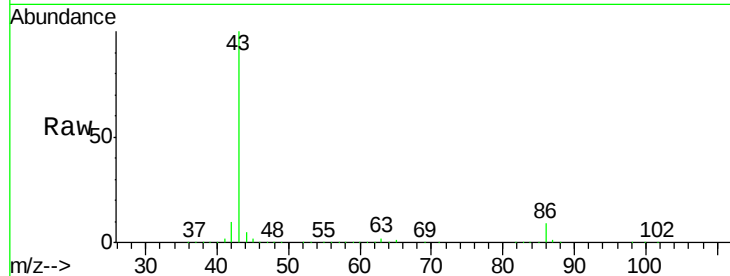
86 9.4 7.4 11.2

Manual Integrations

APPROVED

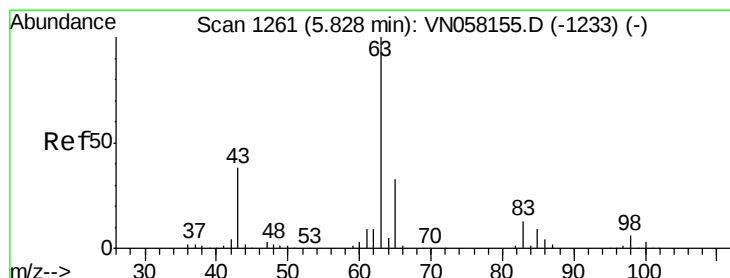
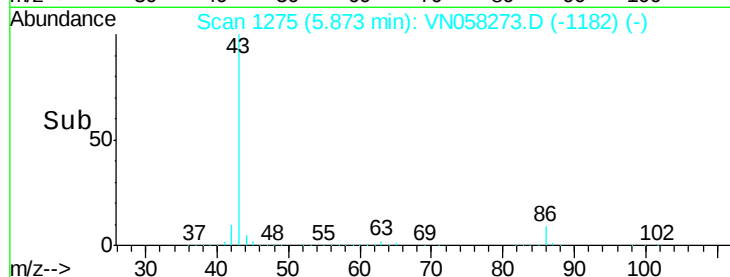
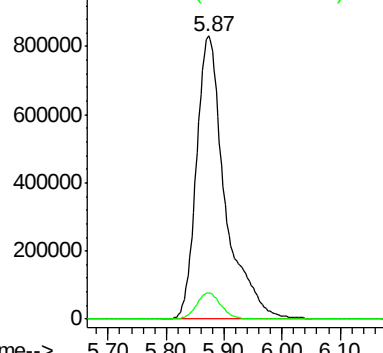
MMDadoda

9/23/2019 3:31:14 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 50.759 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

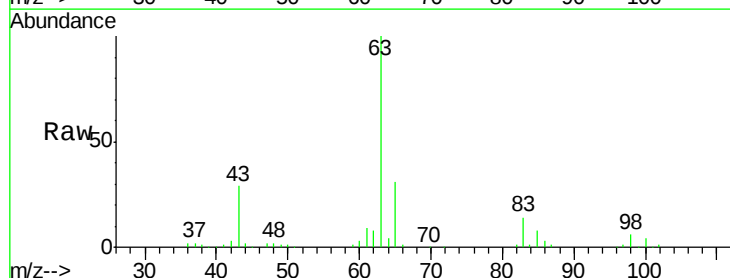
Tgt Ion: 63 Resp: 405232

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.6

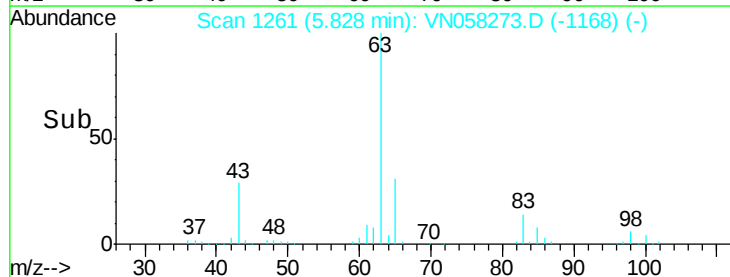
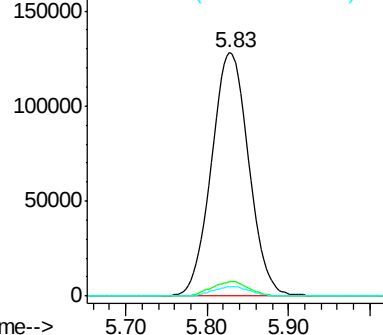
100 3.7 1.8 5.3

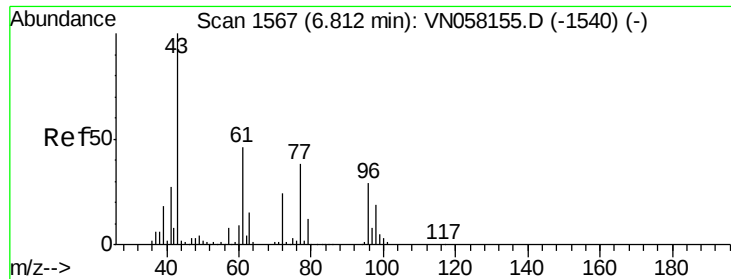


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 266.829 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 765038

Ion Ratio Lower Upper

43 100

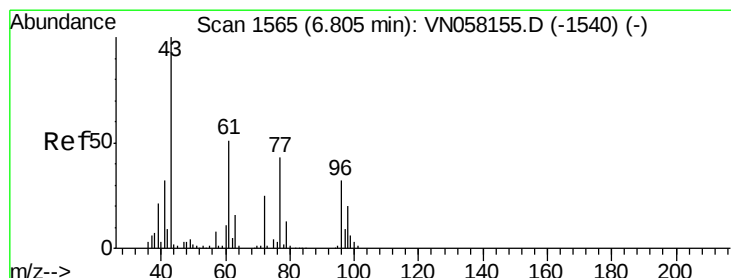
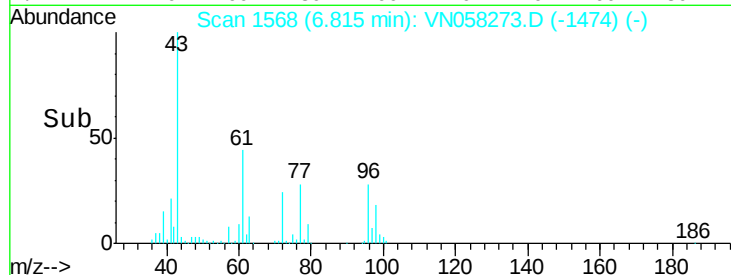
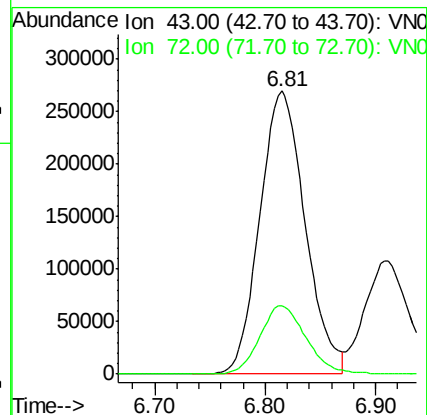
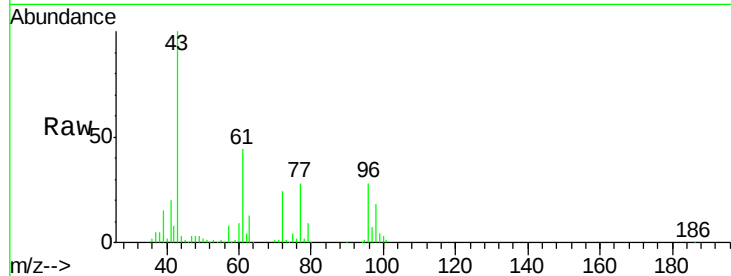
72 24.1 19.5 29.3

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#26

2,2-Dichloropropane

Concen: 38.952 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058273.D

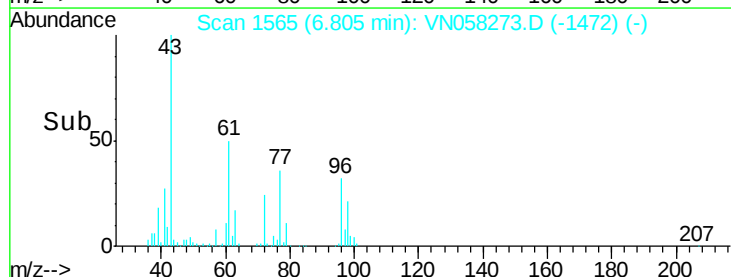
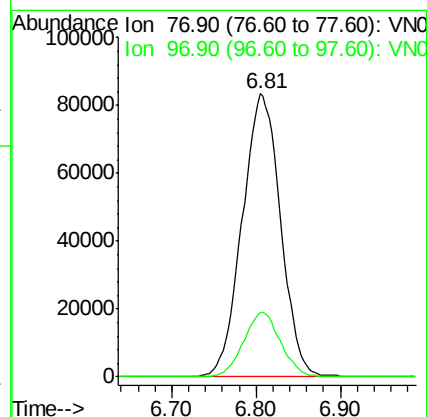
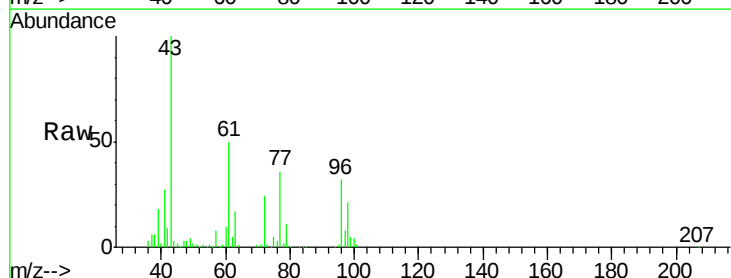
Acq: 20 Sep 2019 23:42

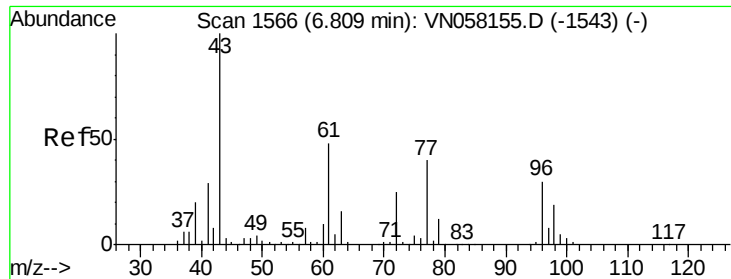
Tgt Ion: 77 Resp: 263817

Ion Ratio Lower Upper

77 100

97 22.0 10.5 31.6





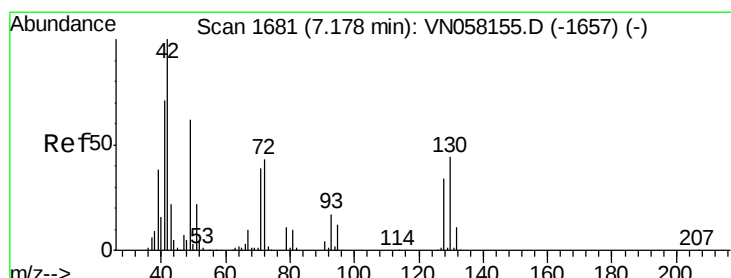
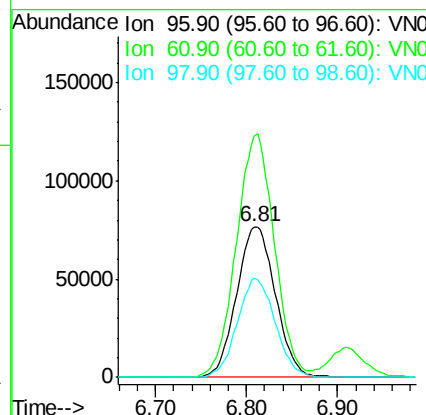
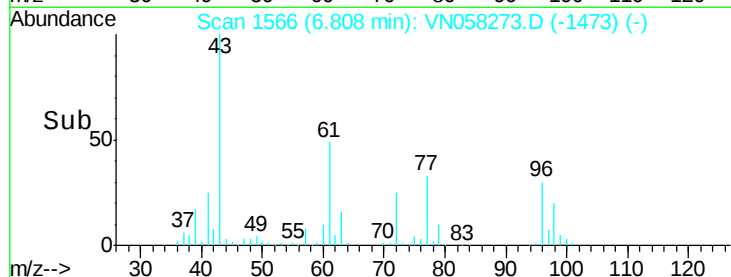
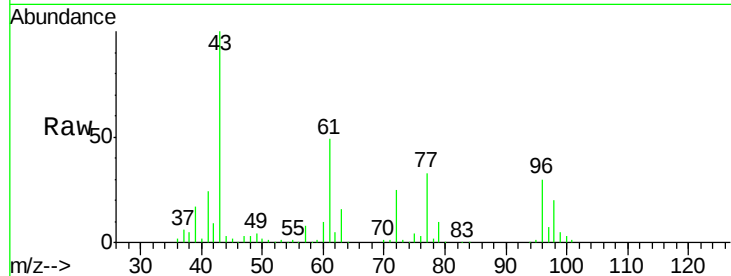
#27
 cis-1,2-Dichloroethene
 Concen: 50.287 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN058273.D
 Acq: 20 Sep 2019 23:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	227000		
61	158.4	0.0	319.0	
98	64.4	0.0	126.6	

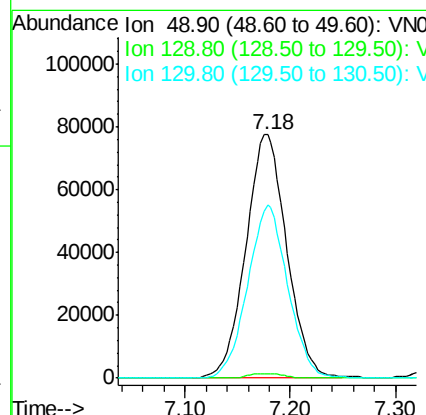
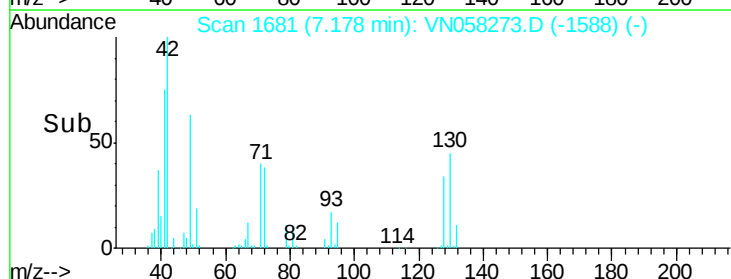
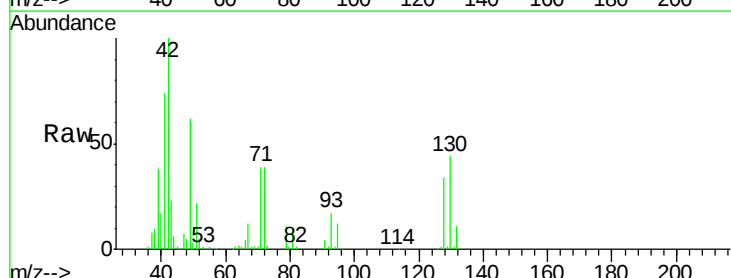
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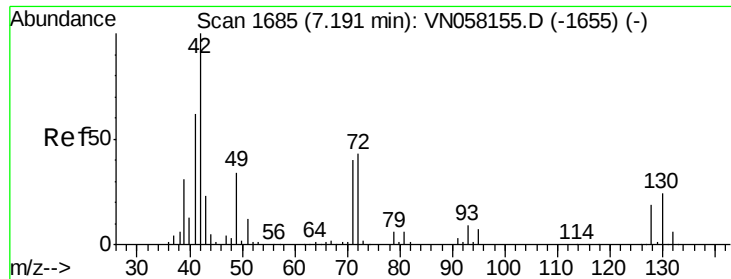
MMDadoda
 9/23/2019 3:31:14 PM



#28
 Bromochloromethane
 Concen: 55.426 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VN058273.D
 Acq: 20 Sep 2019 23:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	209328		
129	1.5	0.0	1.8	
130	69.7	55.4	83.2	





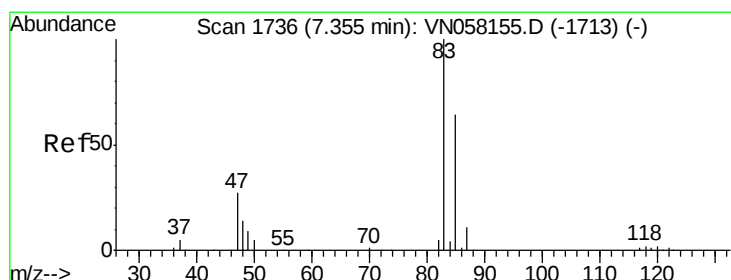
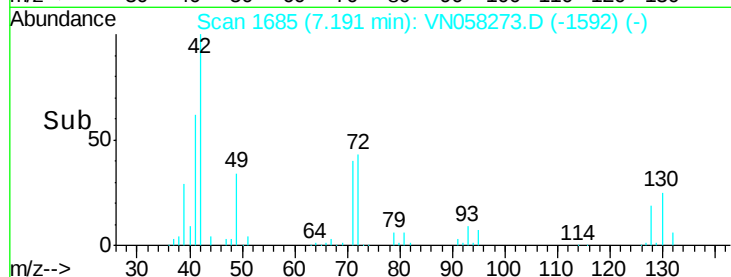
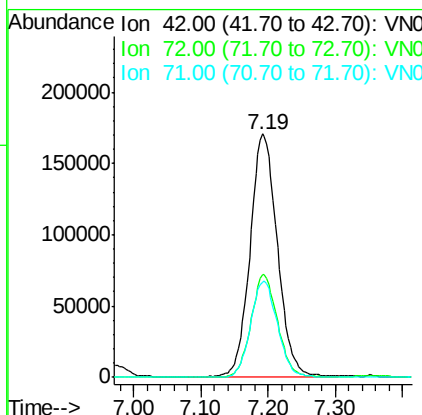
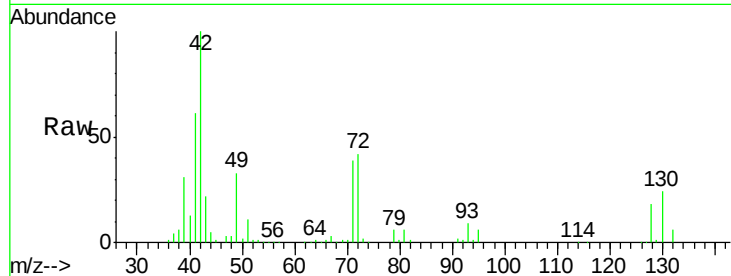
#29
Tetrahydrofuran
Concen: 272.526 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	33.8	50.6
71	39.0	31.4	47.0

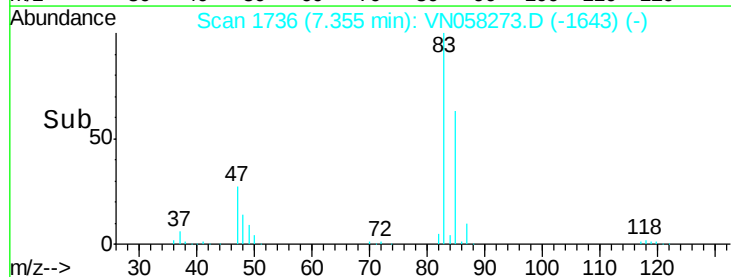
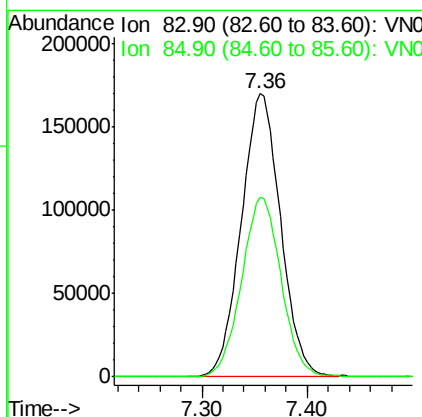
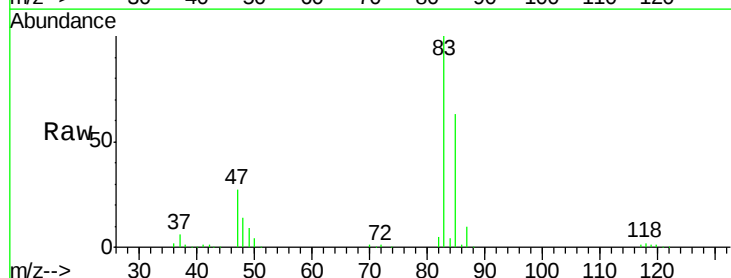
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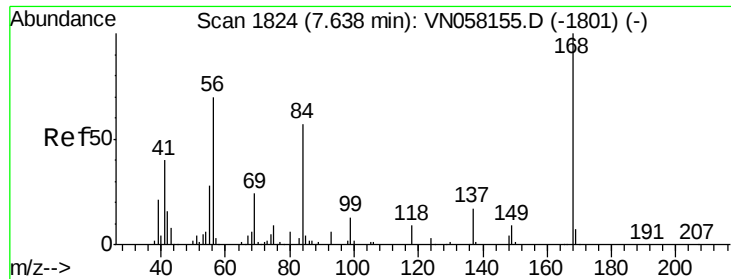
MMDadoda
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#30
Chloroform
Concen: 51.181 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.4	77.2





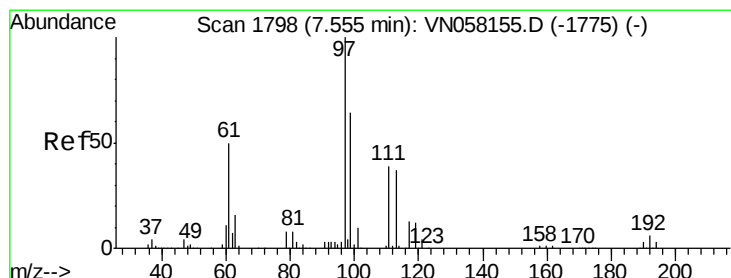
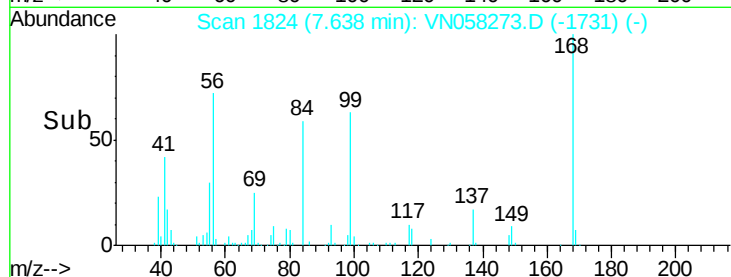
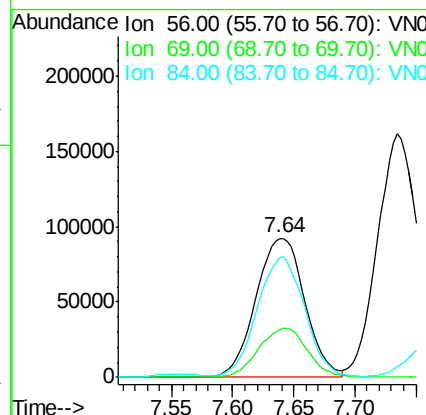
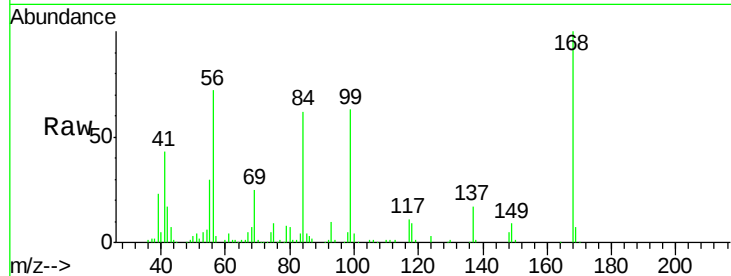
#31
Cyclohexane
Concen: 49.819 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.3	27.3	40.9
84	84.1	65.0	97.4

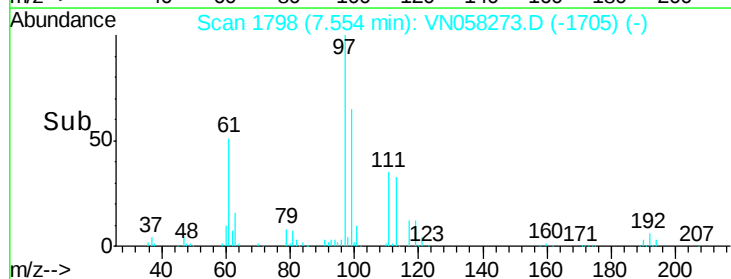
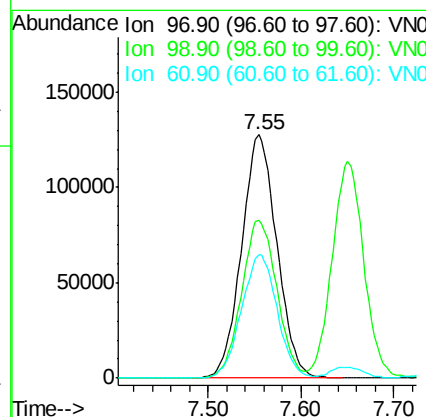
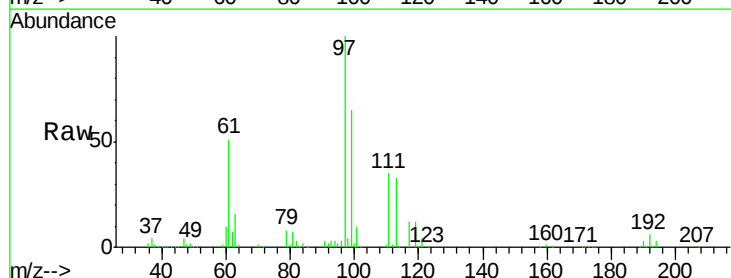
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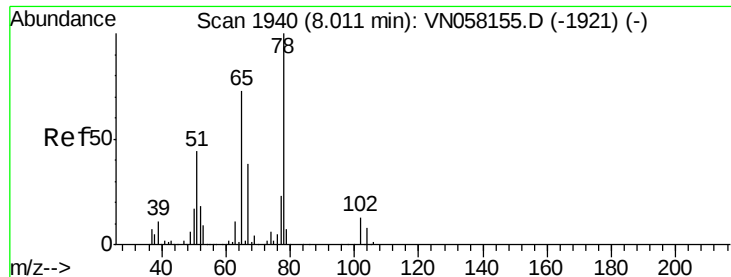
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#32
1,1,1-Trichloroethane
Concen: 51.552 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	50.9	76.3
61	51.3	39.2	58.8





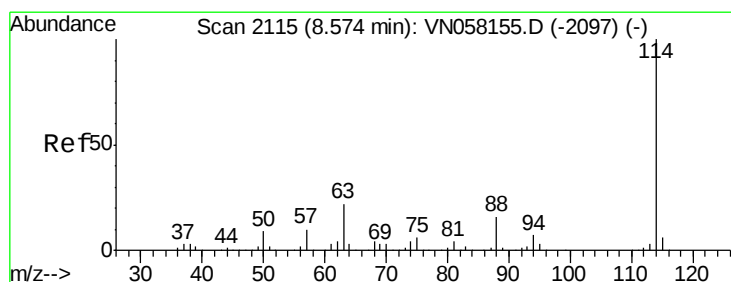
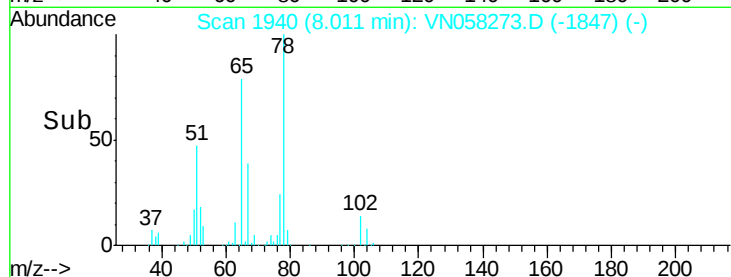
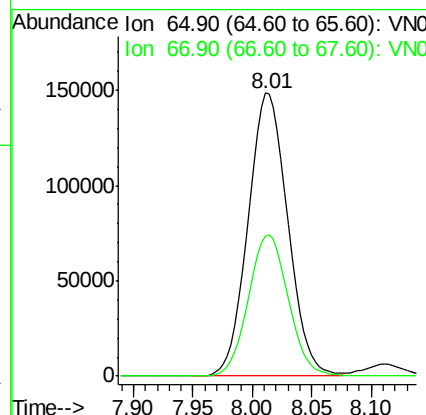
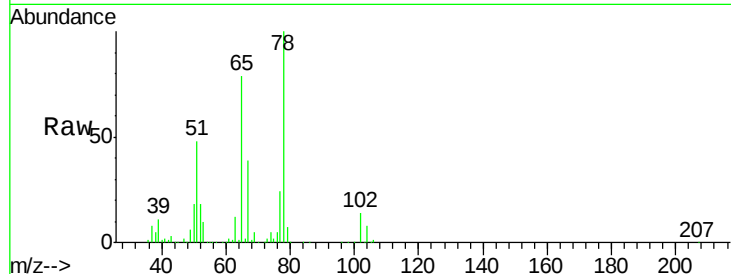
#33
 1,2-Dichloroethane-d4
 Concen: 55.467 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058273.D
 Acq: 20 Sep 2019 23:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	343892		
67	50.2	0.0	103.4	

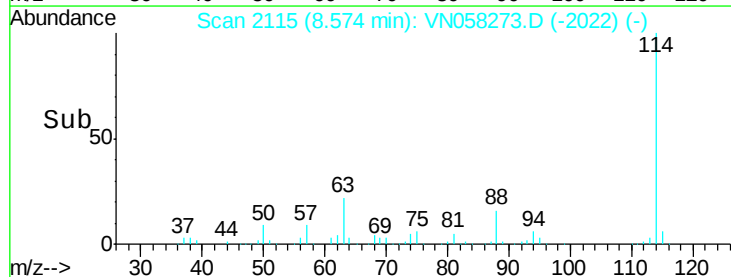
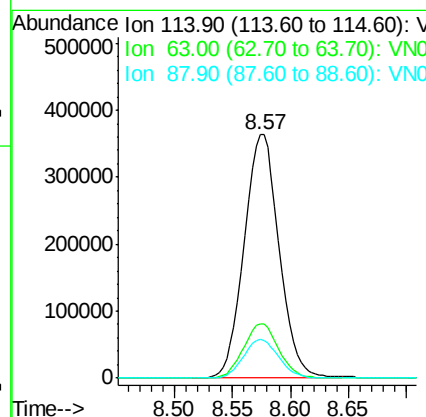
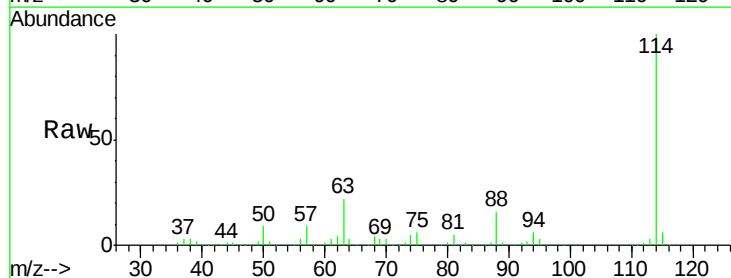
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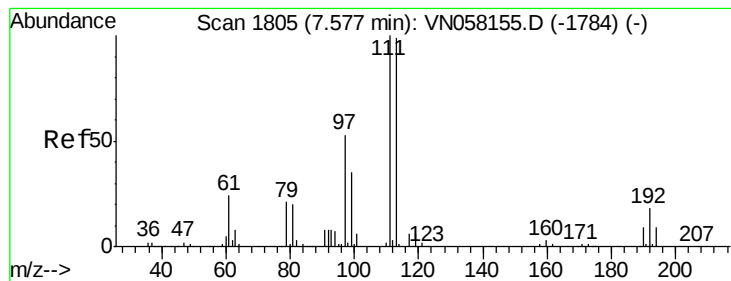
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058273.D
 Acq: 20 Sep 2019 23:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	764973		
63	22.4	0.0	44.2	
88	15.9	0.0	31.6	





#35

Dibromofluoromethane

Concen: 52.753 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

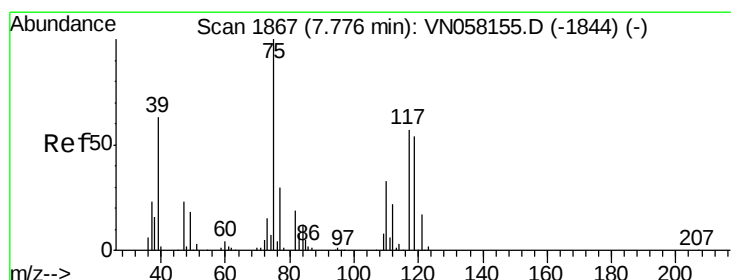
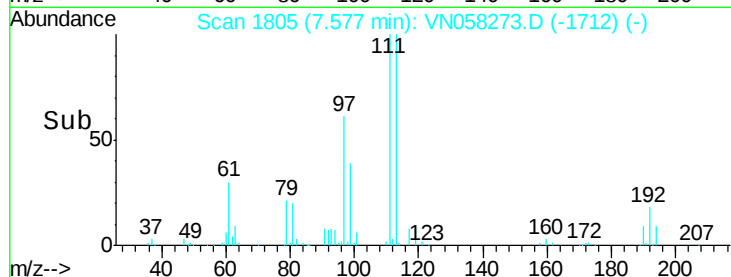
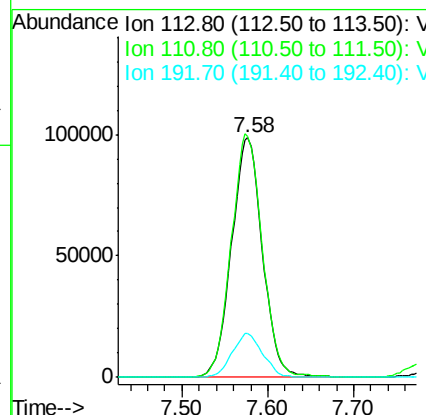
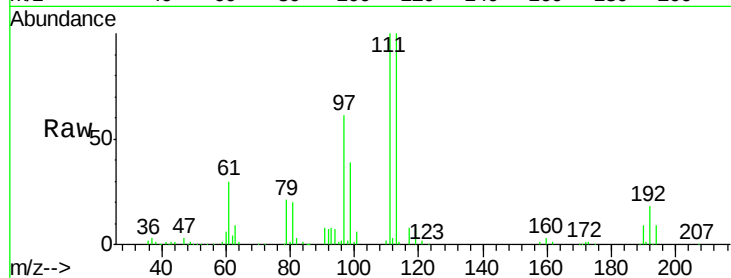
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	245325
Ion Ratio	Lower	Upper	
113	100		
111	102.4	81.8	122.6
192	18.0	14.5	21.7

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#36

1,1-Dichloropropene

Concen: 45.777 ug/l

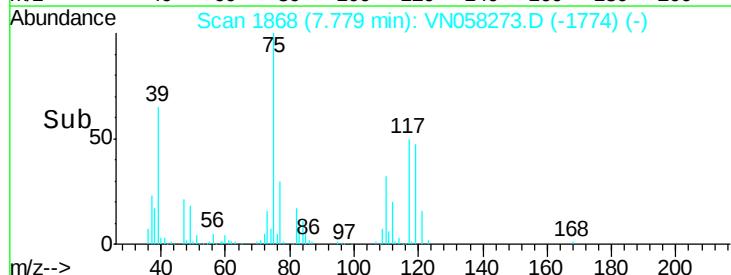
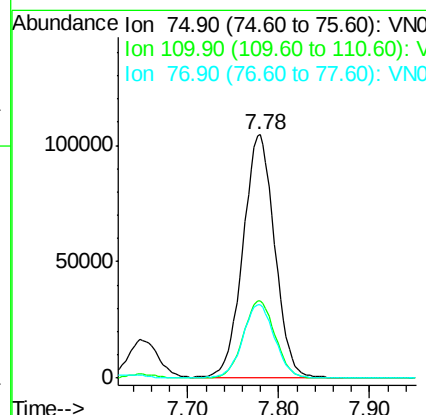
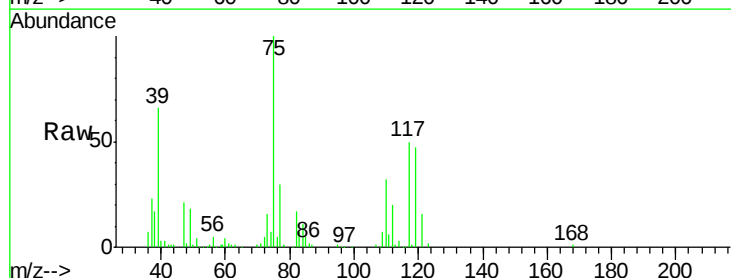
RT: 7.78 min Scan# 1868

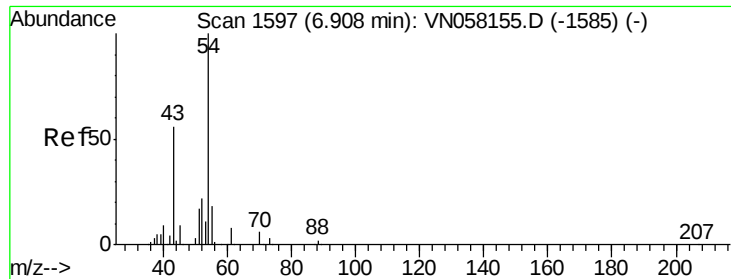
Delta R.T. 0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Tgt Ion:	75	Resp:	252535
Ion Ratio	Lower	Upper	
75	100		
110	32.0	16.6	49.7
77	30.8	24.3	36.5





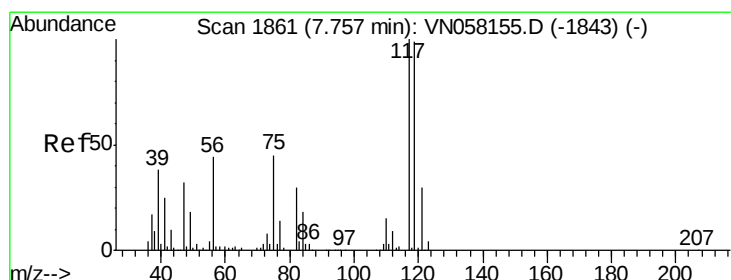
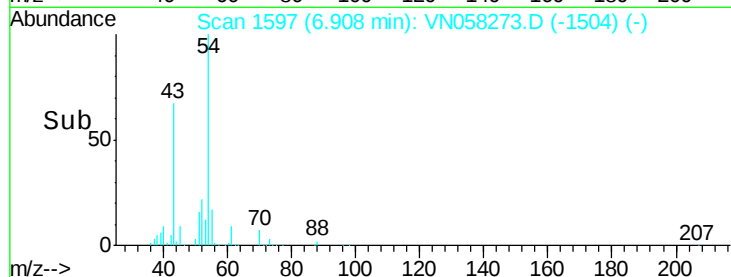
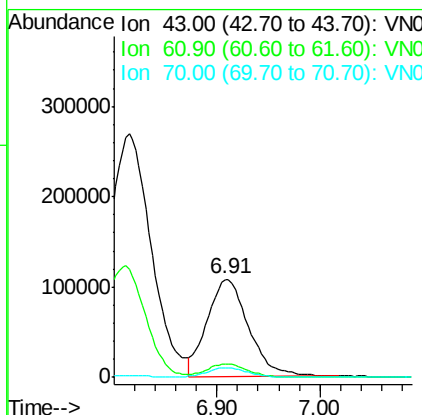
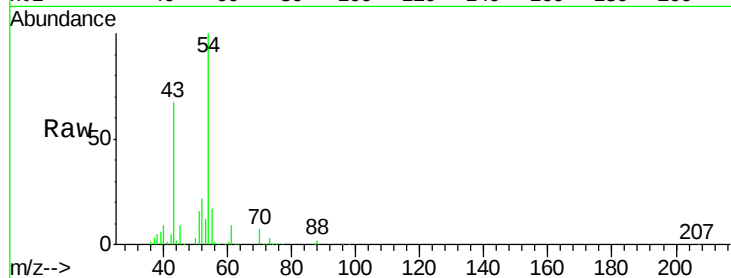
#37
Ethyl Acetate
Concen: 52.715 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.7	16.1
70	9.5	7.6	11.4

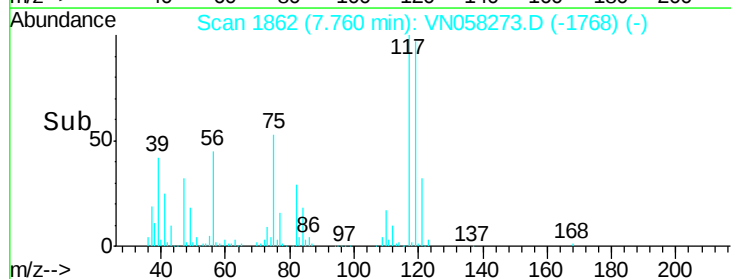
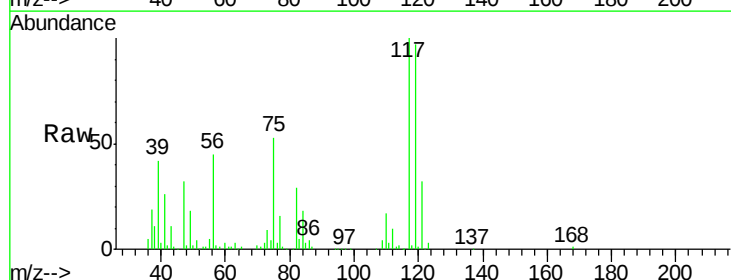
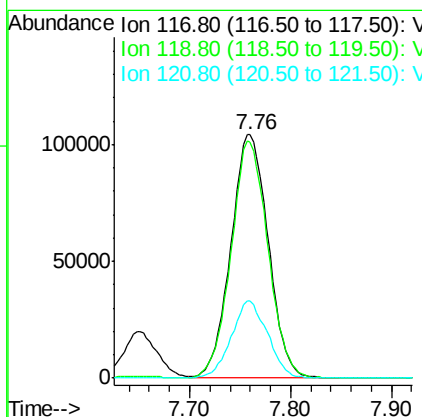
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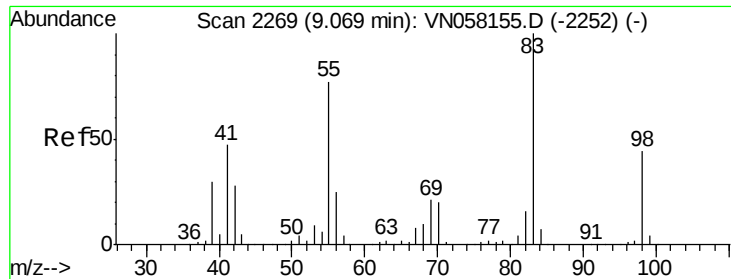
MMDadoda
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#38
Carbon Tetrachloride
Concen: 48.492 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	78.6	117.8
121	31.9	24.1	36.1





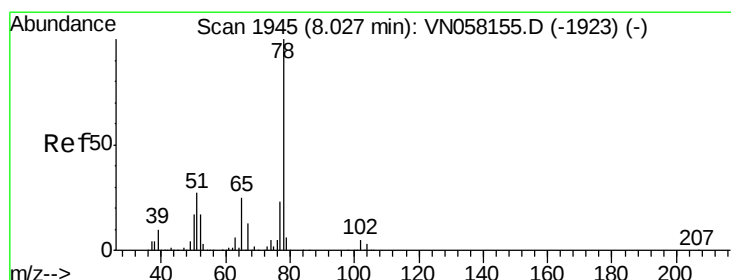
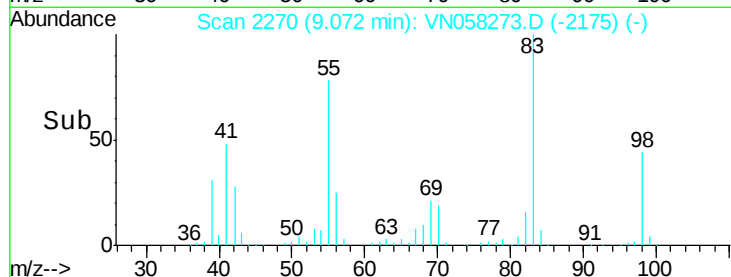
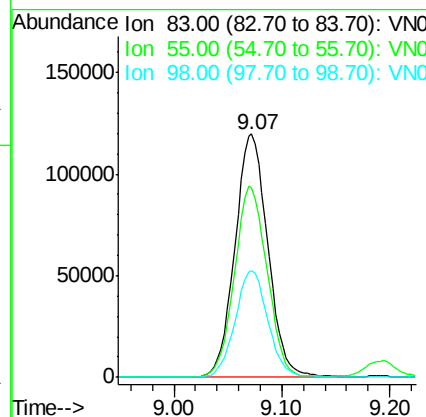
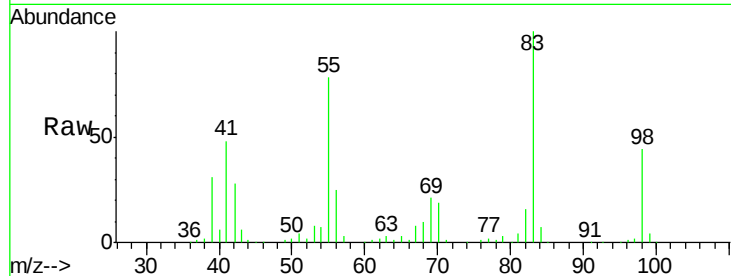
#39
Methvlcvclohexane
Concen: 47.665 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	77.7	61.9	92.9	
98	44.0	35.4	53.2	

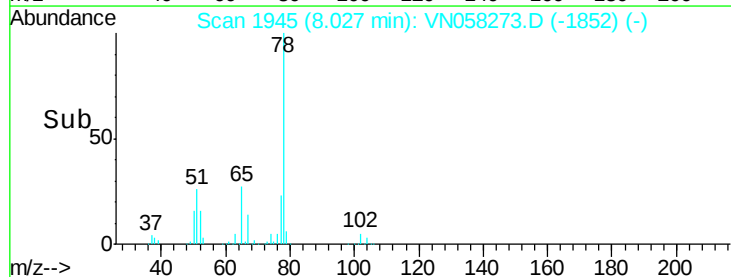
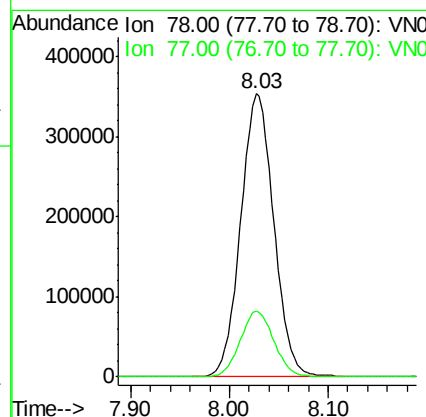
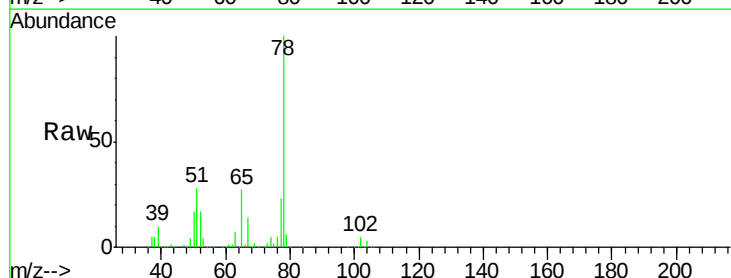
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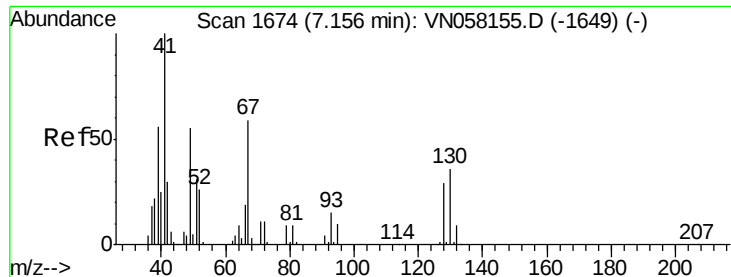
MMDadoda
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#40
Benzene
Concen: 48.768 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.2	18.8	28.2	





#41

Methacrylonitrile

Concen: 48.496 ug/l m

RT: 7.16 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 139787

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

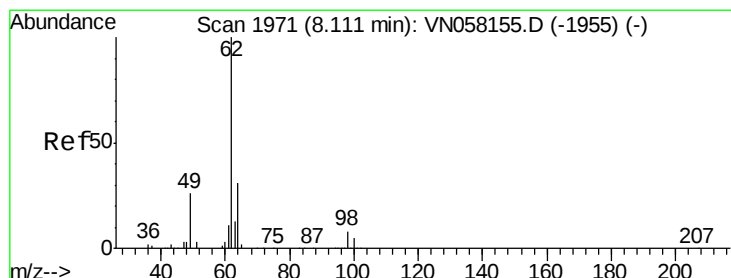
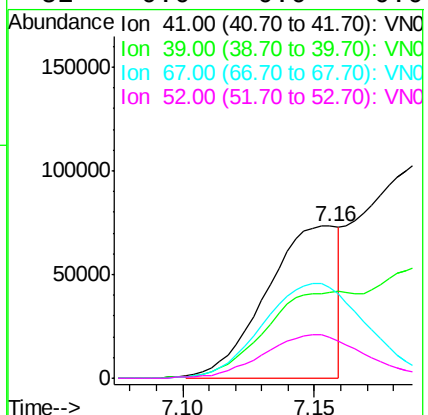
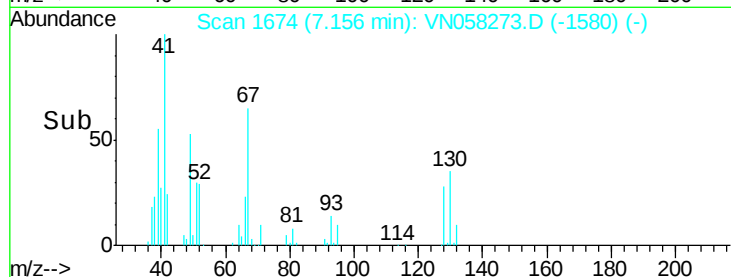
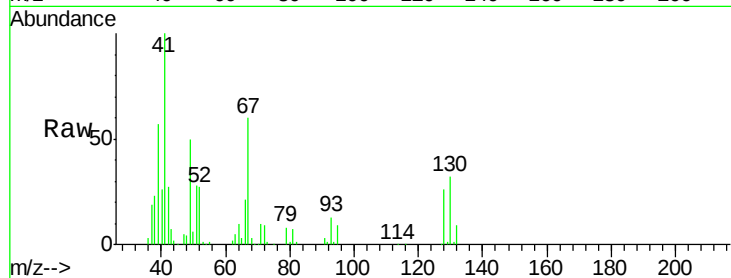
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 49.338 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VN058273.D

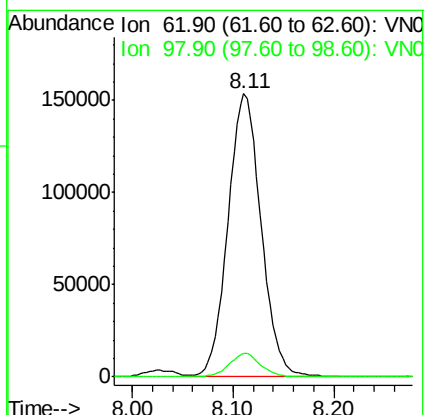
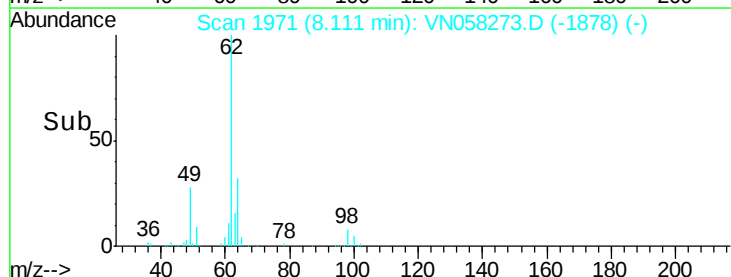
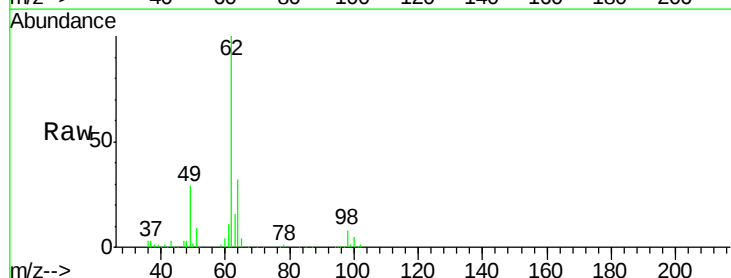
Acq: 20 Sep 2019 23:42

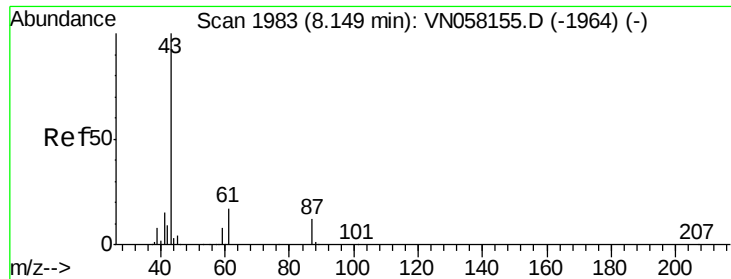
Tgt Ion: 62 Resp: 348829

Ion Ratio Lower Upper

62 100

98 8.0 0.0 15.6





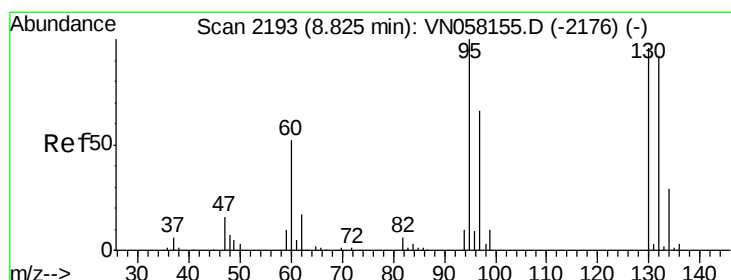
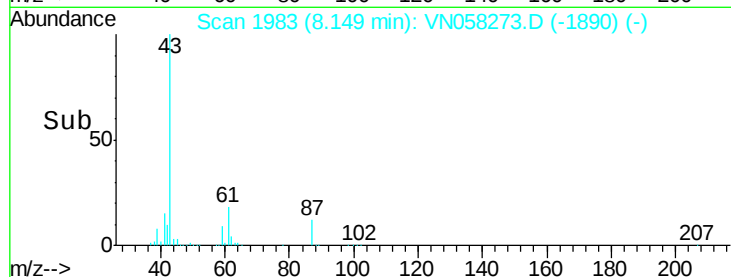
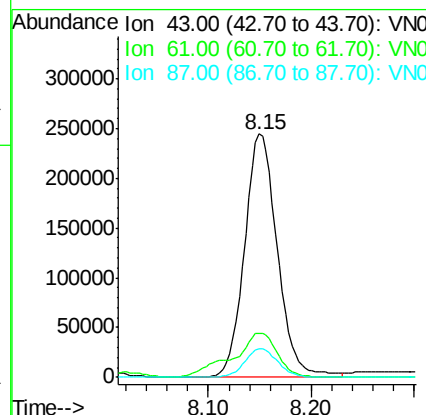
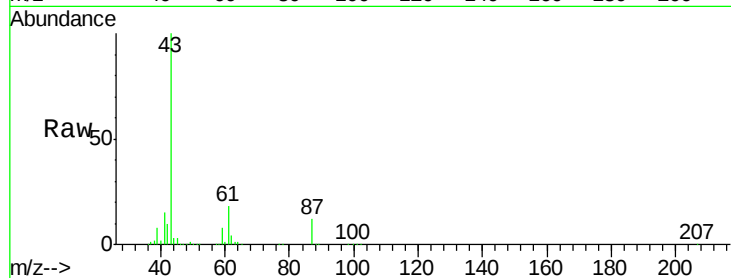
#43
Isopropyl Acetate
Concen: 50.463 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	539551
Ion	Ratio	Lower	Upper
43	100		
61	24.6	19.7	29.5
87	11.9	9.4	14.2

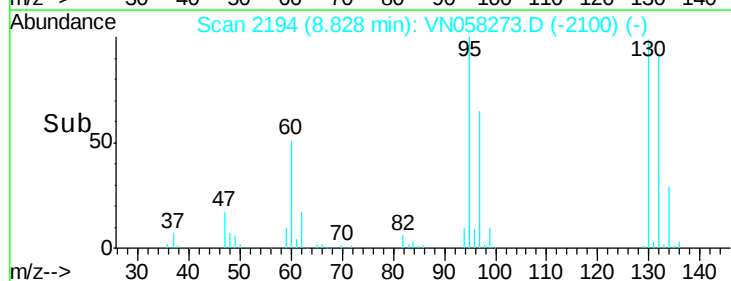
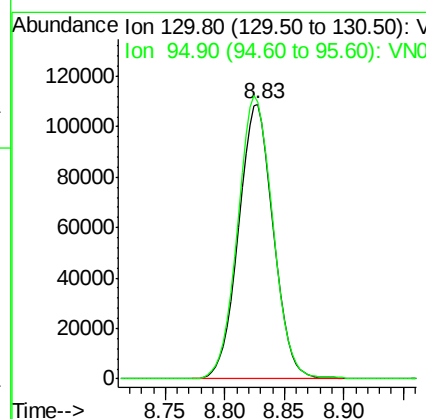
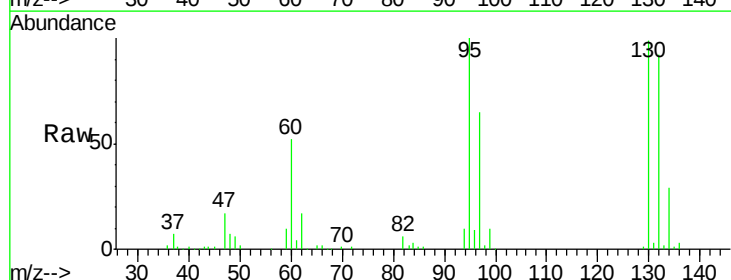
Manual Integrations
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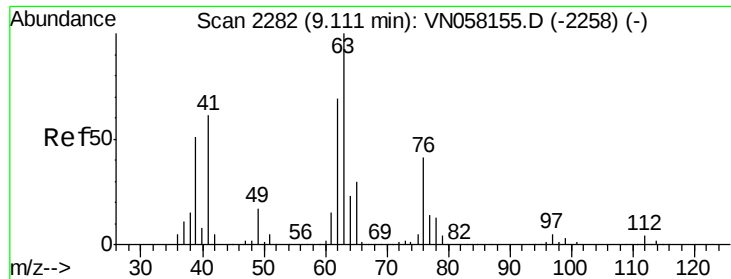
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#44
Trichloroethene
Concen: 53.444 ug/l
RT: 8.83 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Tgt Ion	130	Resp	220366
Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	207.8





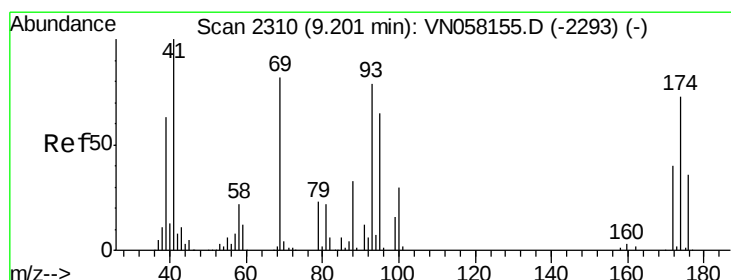
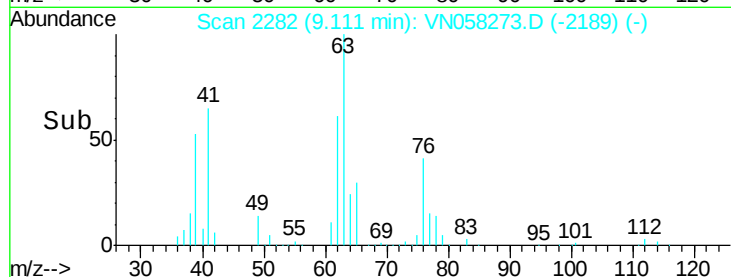
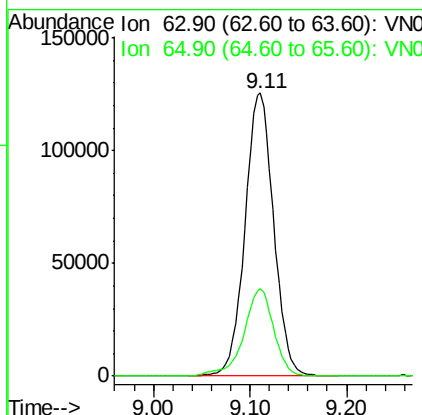
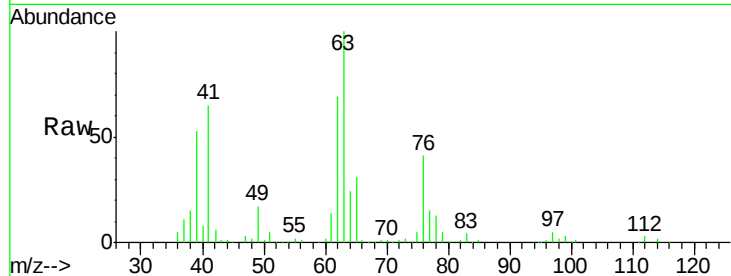
#45
 1,2-Dichloropropane
 Concen: 51.280 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN058273.D
 Acq: 20 Sep 2019 23:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 258038
 Ion Ratio Lower Upper
 63 100
 65 30.9 23.8 35.6

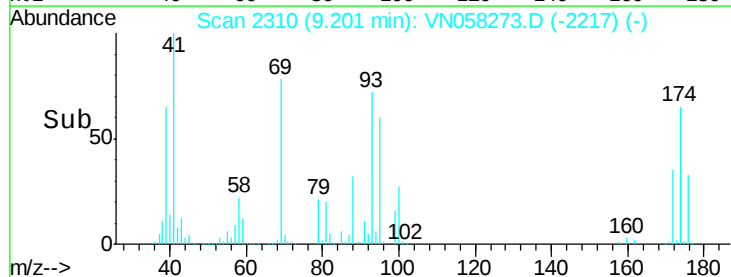
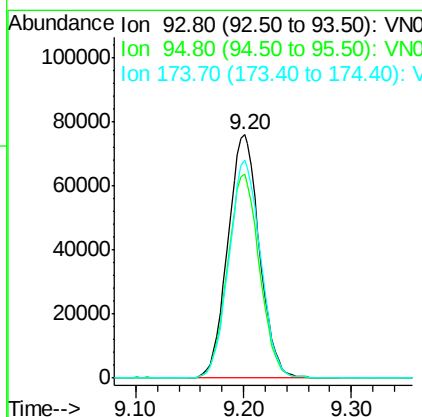
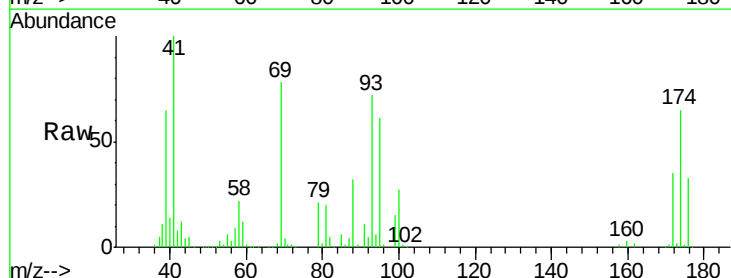
Manual Integrations
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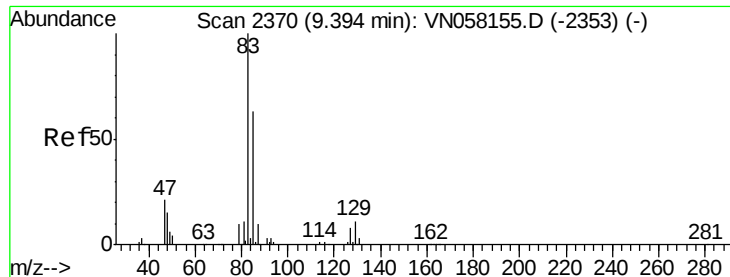
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#46
 Dibromomethane
 Concen: 50.961 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN058273.D
 Acq: 20 Sep 2019 23:42

Tgt Ion: 93 Resp: 155905
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.8 100.2
 174 89.1 73.8 110.8





#47

Bromodichloromethane

Concen: 52.693 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

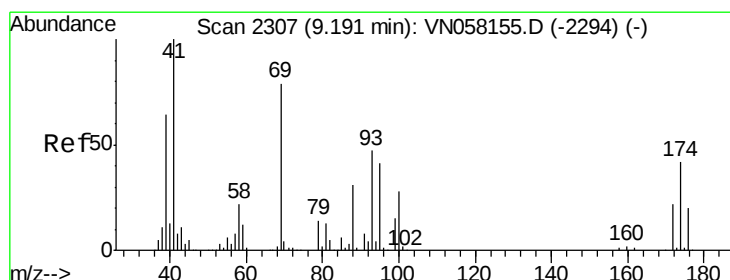
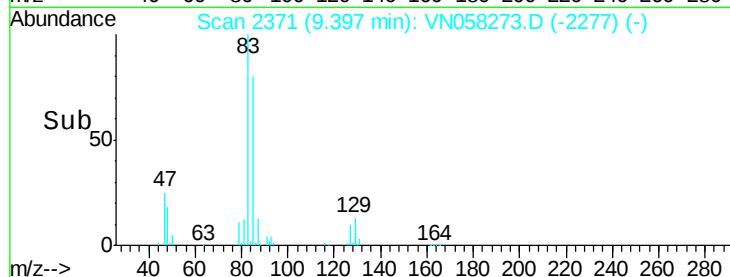
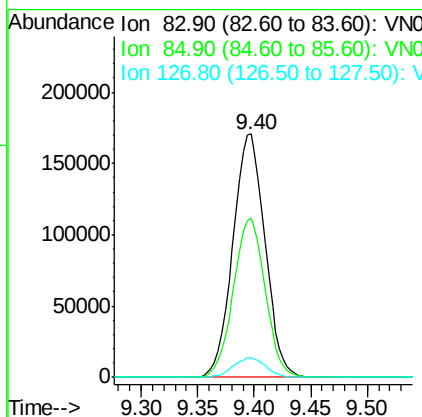
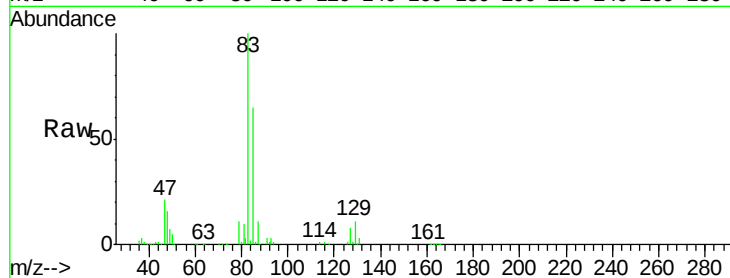
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	337720
Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.1	75.1
127	8.2	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.867 ug/l

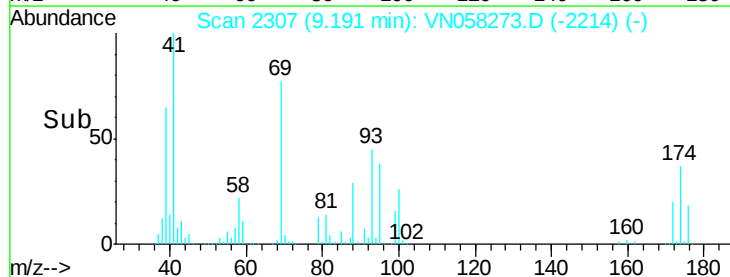
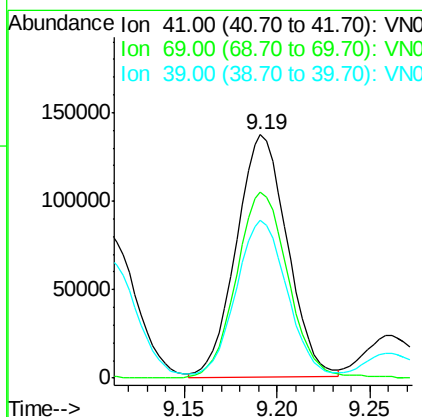
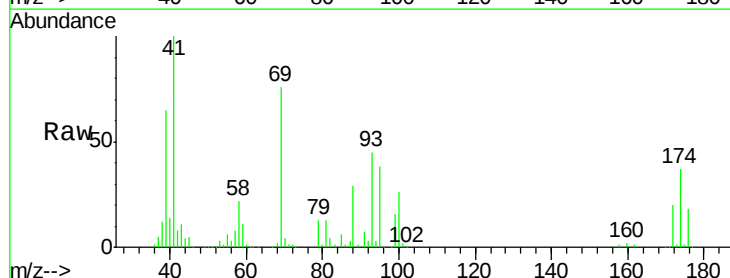
RT: 9.19 min Scan# 2307

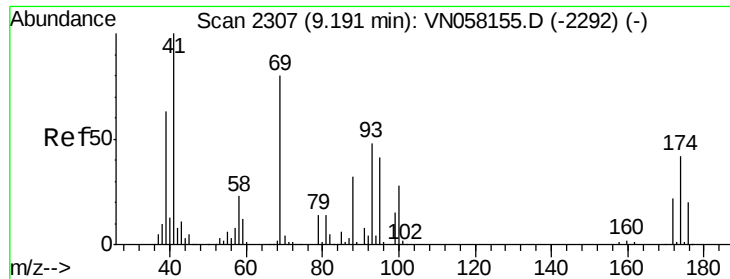
Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Tgt Ion:	41	Resp:	261505
Ion	Ratio	Lower	Upper
41	100		
69	78.3	62.5	93.7
39	65.0	52.3	78.5





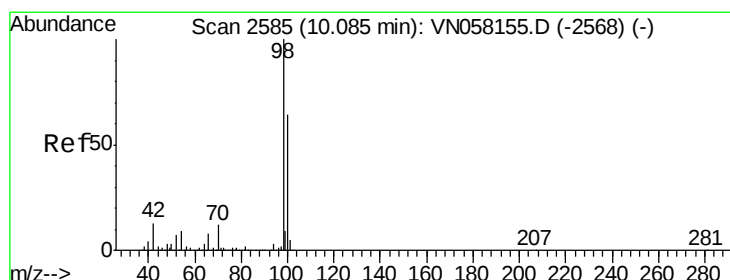
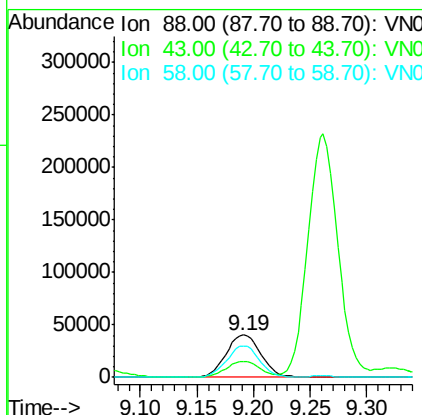
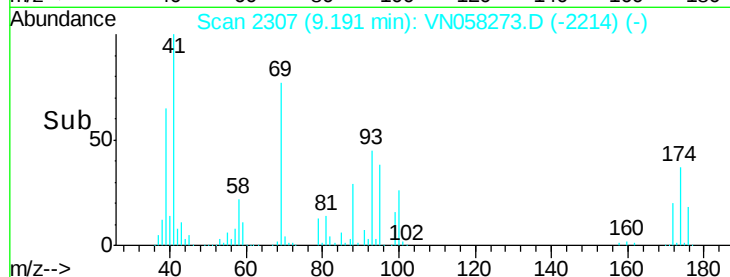
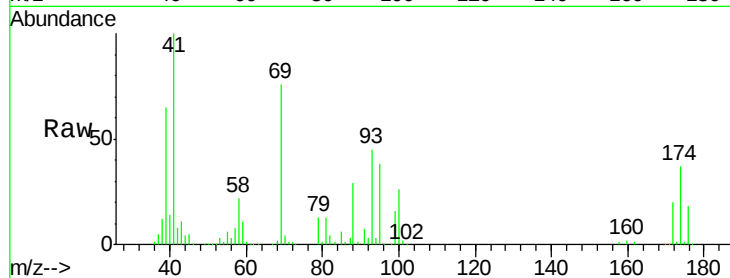
#49
1,4-Dioxane
Concen: 1095.324 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	87302
Ion	Ratio	Lower	Upper
88	100		
43	34.6	27.8	41.8
58	70.3	55.0	82.4

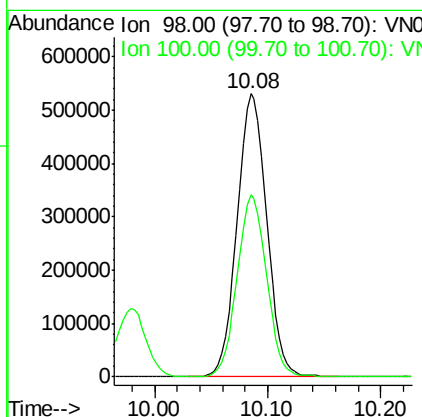
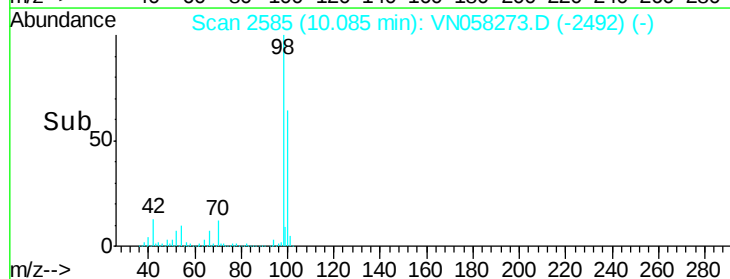
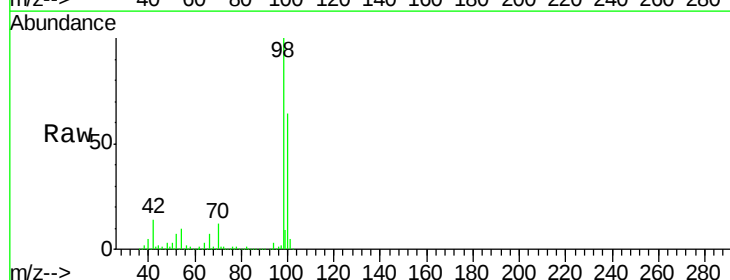
Manual Integrations
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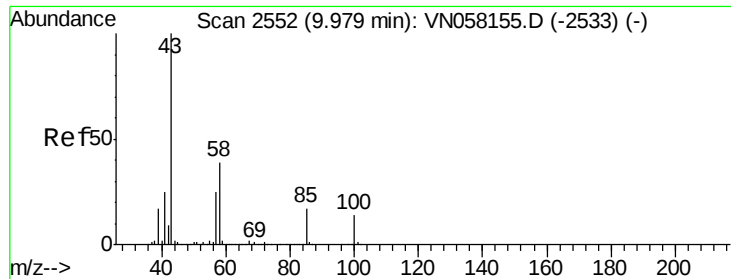
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#50
Toluene-d8
Concen: 53.573 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Tgt Ion	98	Resp	970680
Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 306.242 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1739194

Ion Ratio Lower Upper

43 100

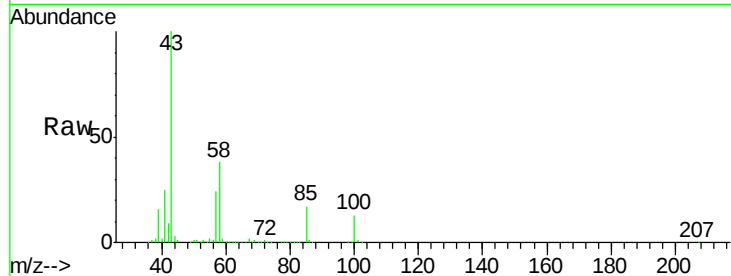
58 37.1 30.2 45.4

Manual Integrations

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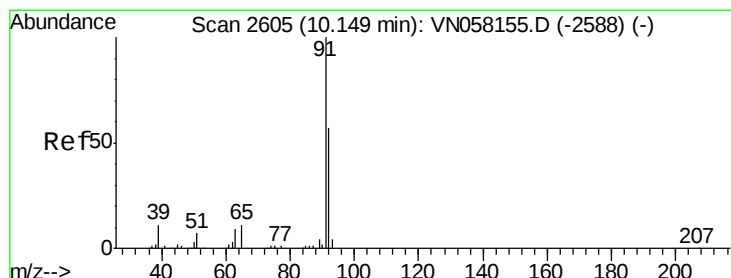
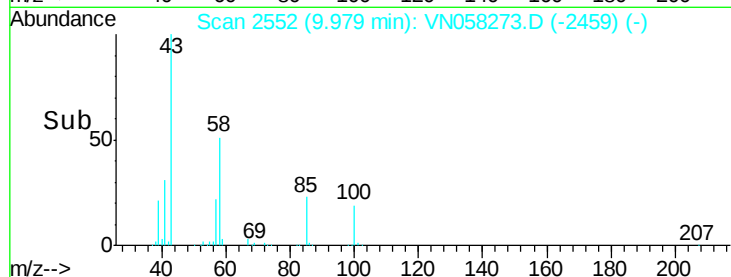
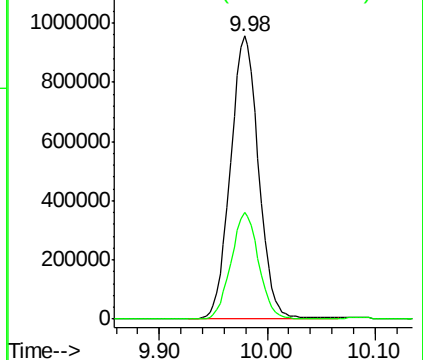
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.934 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058273.D

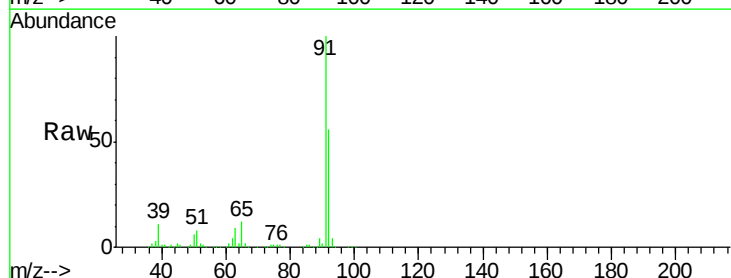
Acq: 20 Sep 2019 23:42

Tgt Ion: 92 Resp: 527295

Ion Ratio Lower Upper

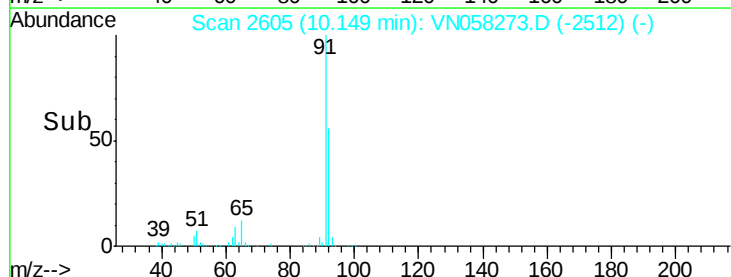
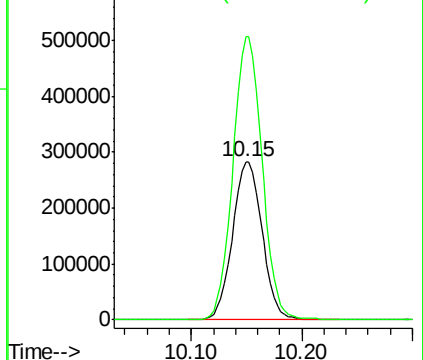
92 100

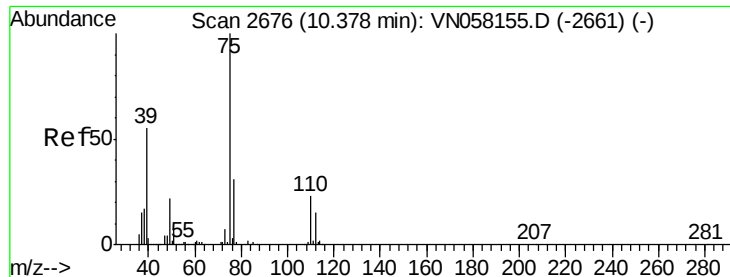
91 177.2 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 51.157 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 335857

Ion Ratio Lower Upper

75 100

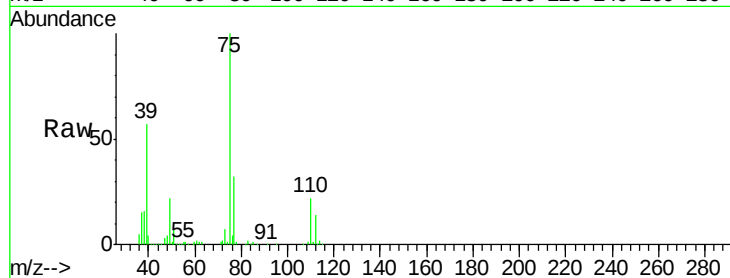
77 32.3 24.9 37.3

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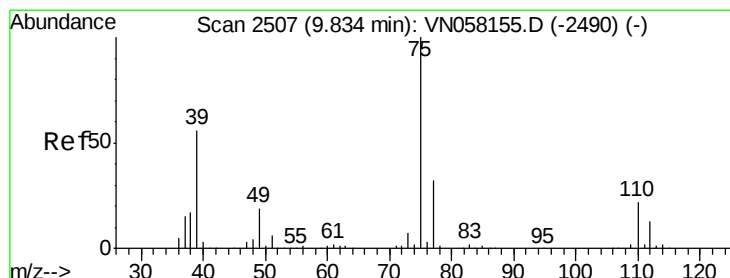
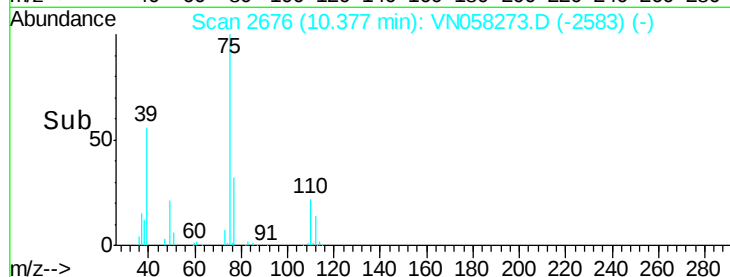
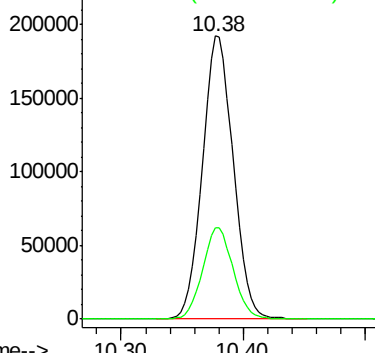
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 50.473 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

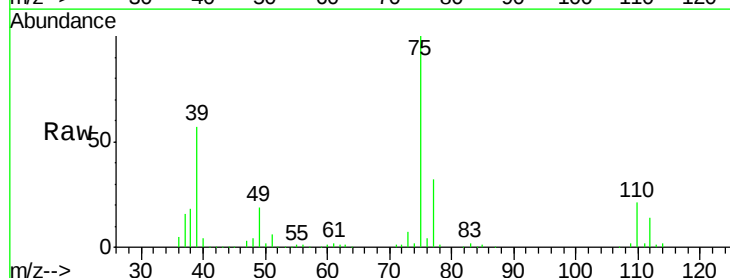
Tgt Ion: 75 Resp: 365854

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.0

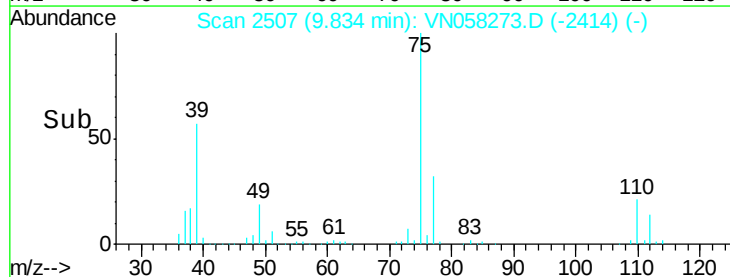
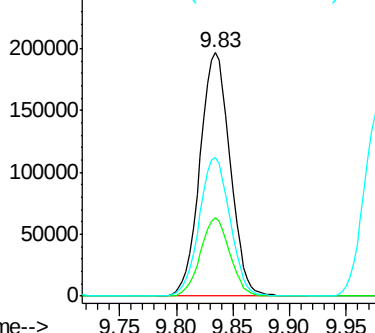
39 57.0 45.0 67.6

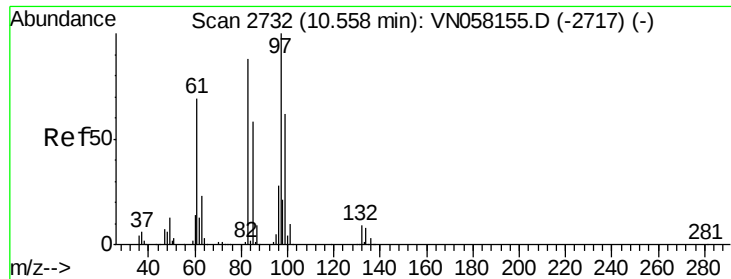


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





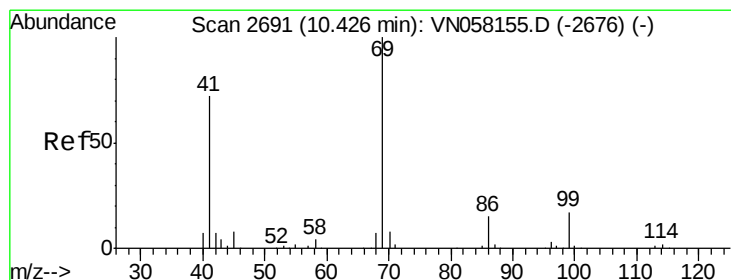
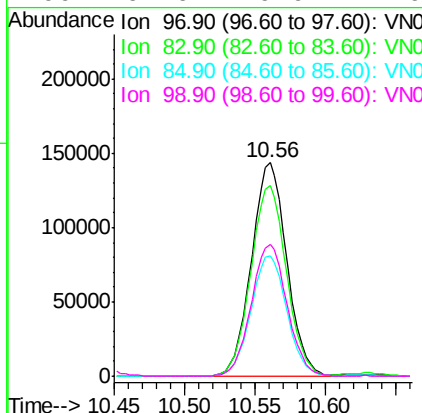
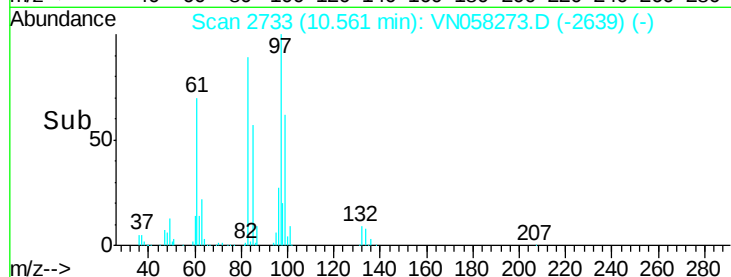
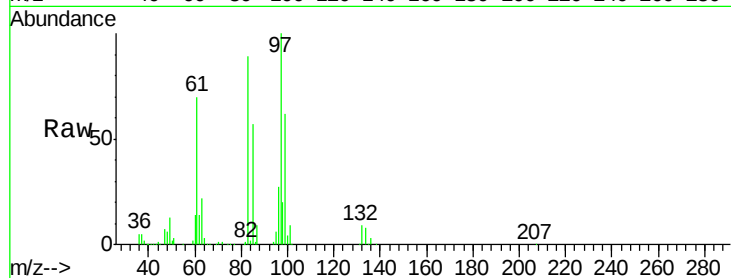
#55
 1,1,2-Trichloroethane
 Concen: 53.846 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058273.D
 Acq: 20 Sep 2019 23:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	252334
Ion	Ratio	Lower	Upper
97	100		
83	89.1	70.4	105.6
85	56.6	46.8	70.2
99	61.6	49.9	74.9

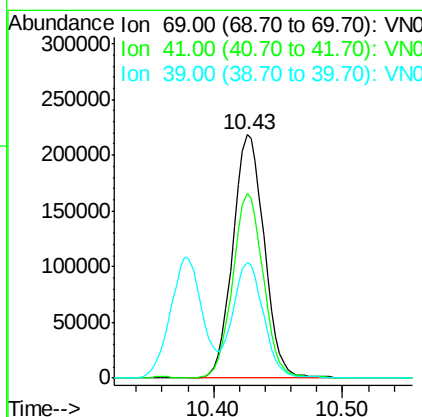
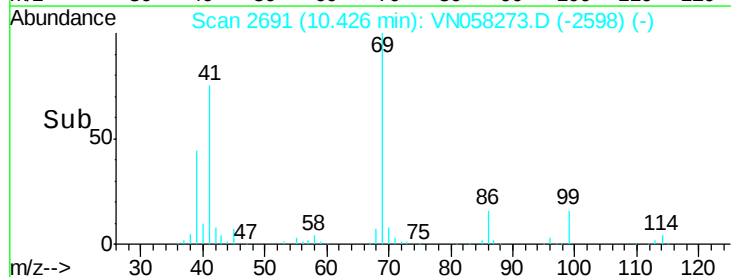
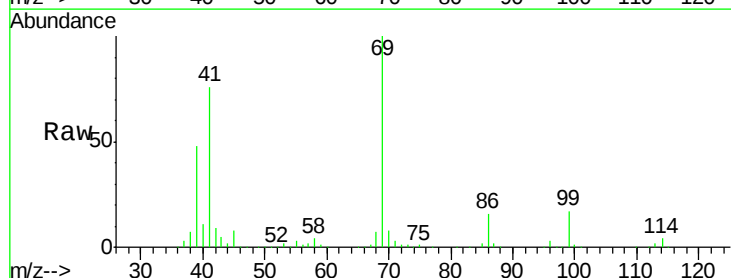
Manual Integrations
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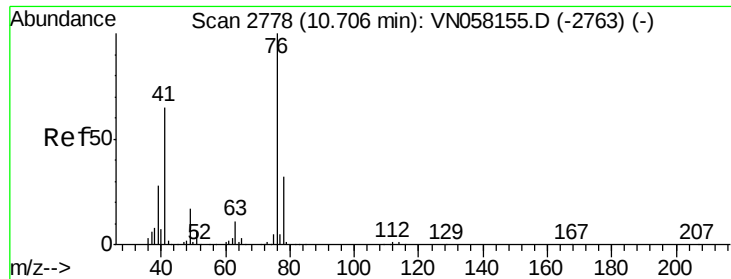
MMDadoda
 9/23/2019 3:31:14 PM



#56
 Ethyl methacrylate
 Concen: 54.773 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN058273.D
 Acq: 20 Sep 2019 23:42

Tgt Ion	69	Resp	370342
Ion	Ratio	Lower	Upper
69	100		
41	72.8	57.5	86.3
39	46.3	36.1	54.1





#57

1,3-Dichloropropane

Concen: 52.415 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 422260

Ion Ratio Lower Upper

76 100

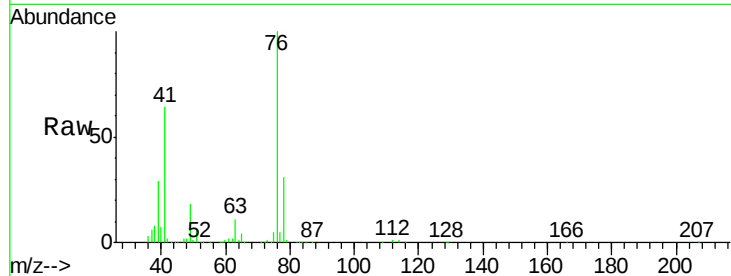
78 31.7 25.4 38.0

Manual Integrations

APPROVED

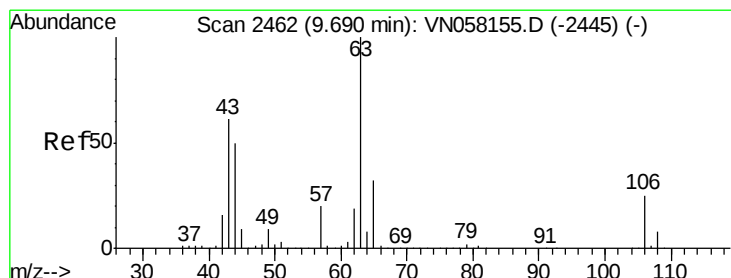
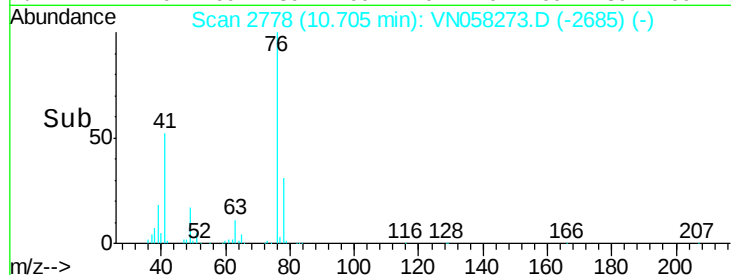
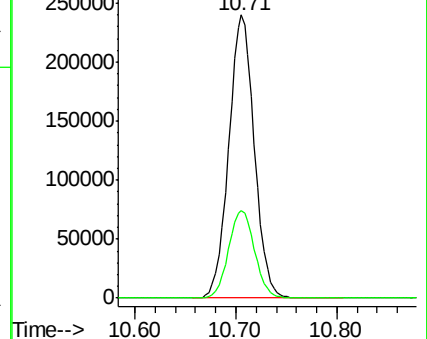
MMDadoda

9/23/2019 3:31:14 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 290.255 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN058273.D

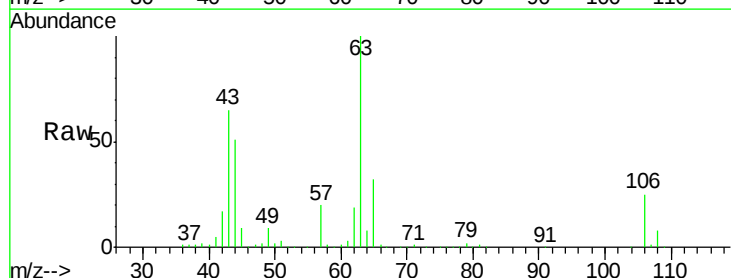
Acq: 20 Sep 2019 23:42

Tgt Ion: 63 Resp: 934799

Ion Ratio Lower Upper

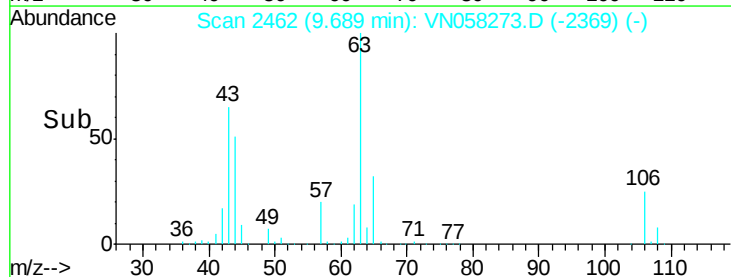
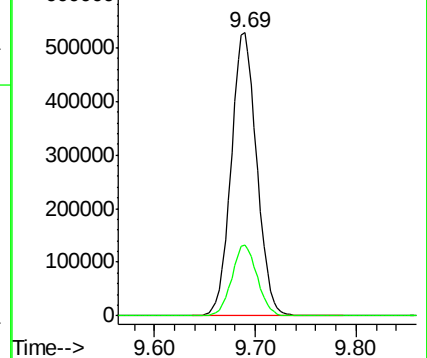
63 100

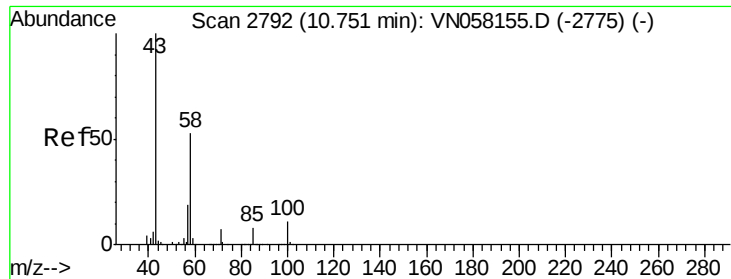
106 24.8 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





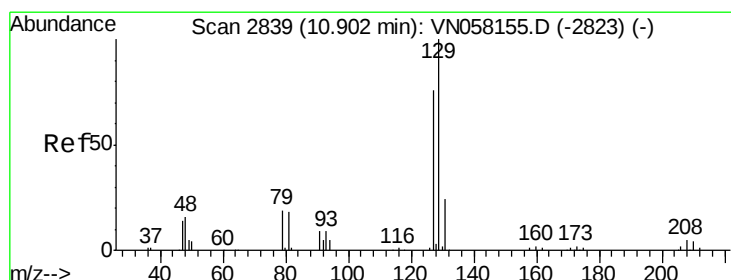
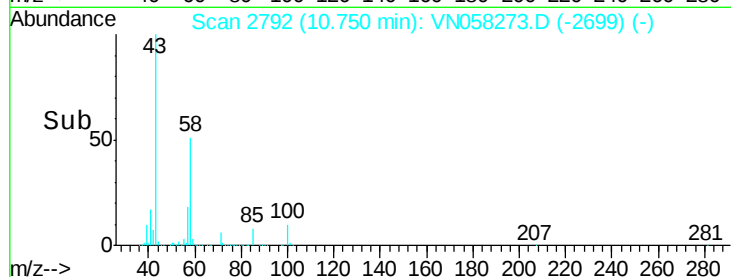
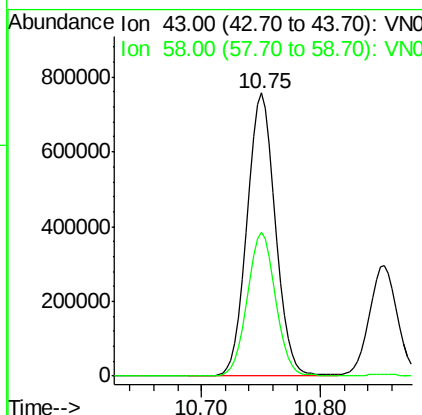
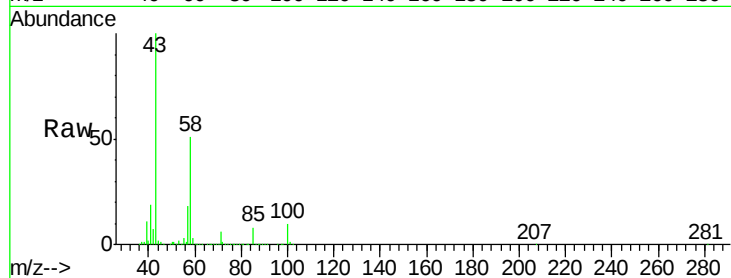
#59
2-Hexanone
Concen: 296.100 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1248905
Ion Ratio Lower Upper
43 100
58 50.8 26.0 78.0

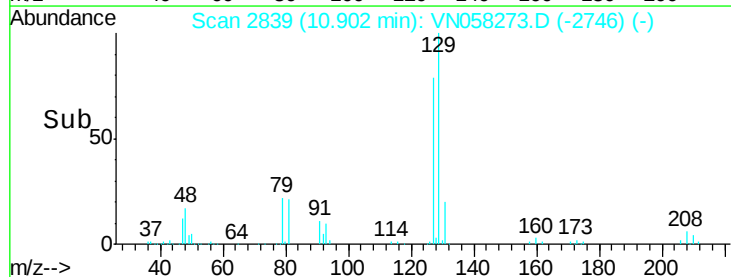
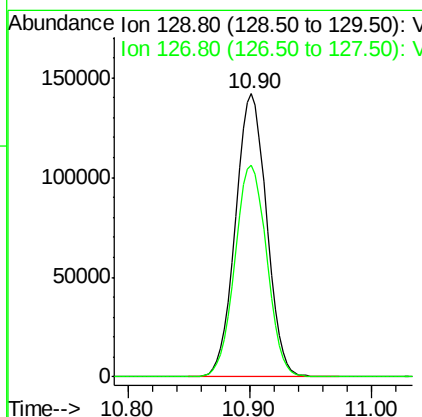
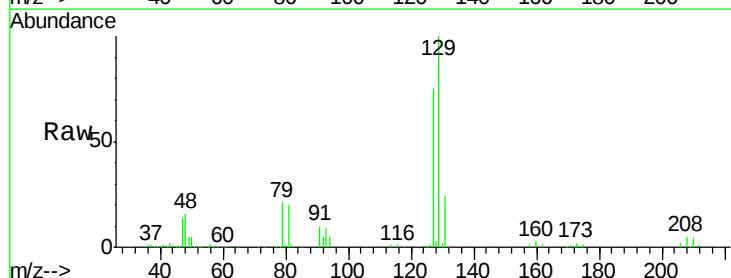
Manual Integrations
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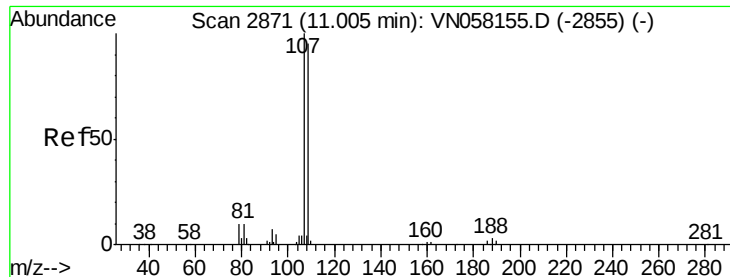
MMDadoda
9/23/2019 3:31:14 PM



#60
Dibromochloromethane
Concen: 55.675 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Tgt Ion: 129 Resp: 251001
Ion Ratio Lower Upper
129 100
127 76.7 38.7 116.1





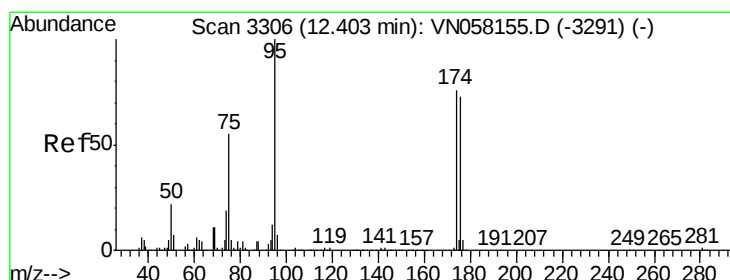
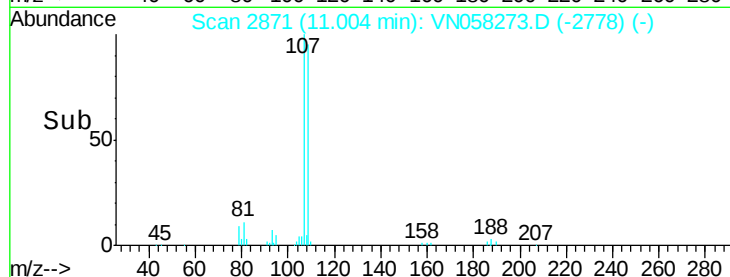
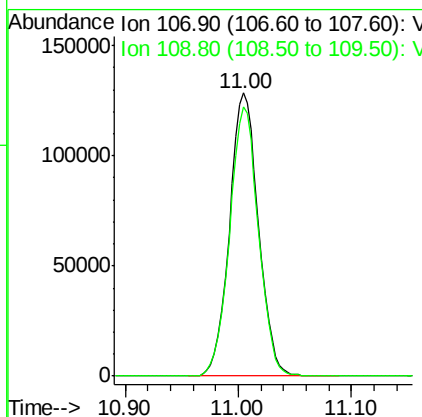
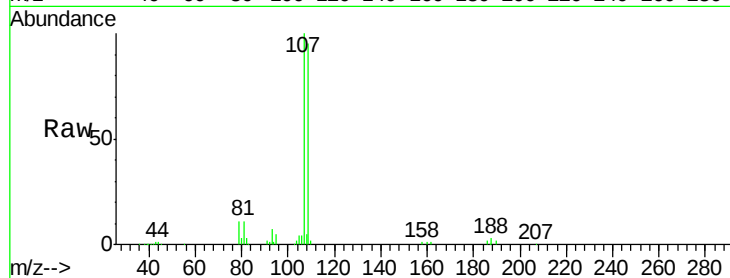
#61
 1,2-Dibromoethane
 Concen: 52.473 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058273.D
 Acq: 20 Sep 2019 23:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.4	113.2

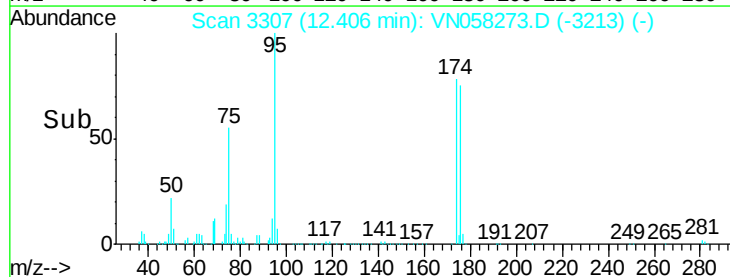
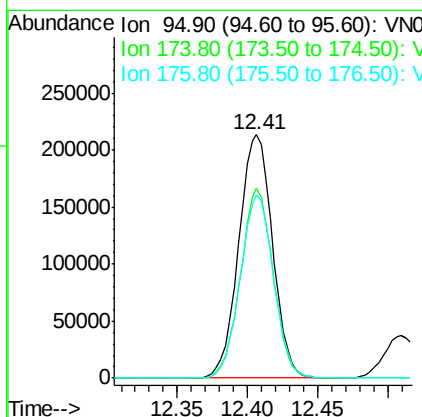
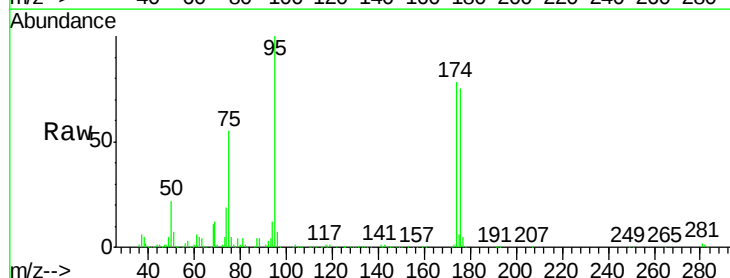
Manual Integrations
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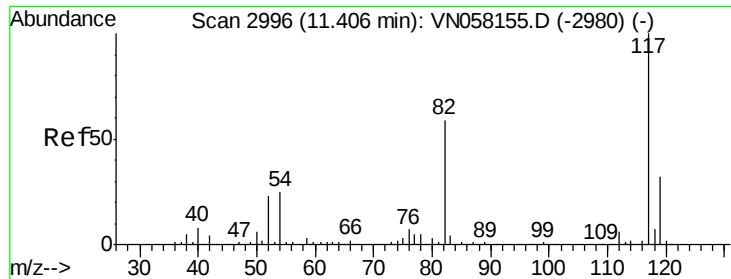
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#62
 4-Bromofluorobenzene
 Concen: 53.167 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058273.D
 Acq: 20 Sep 2019 23:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.4	0.0	152.2
176	74.3	0.0	148.0





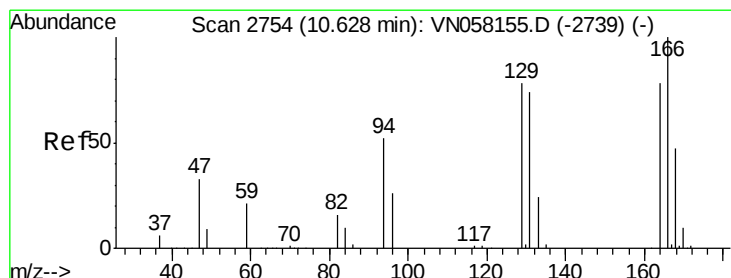
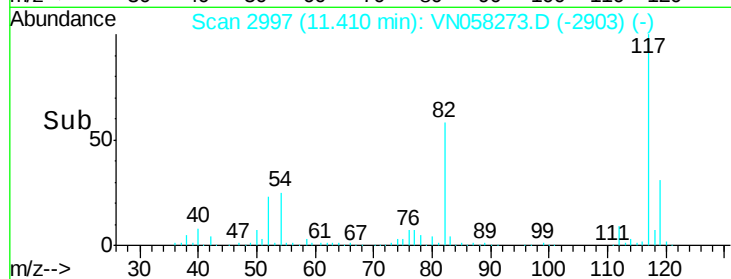
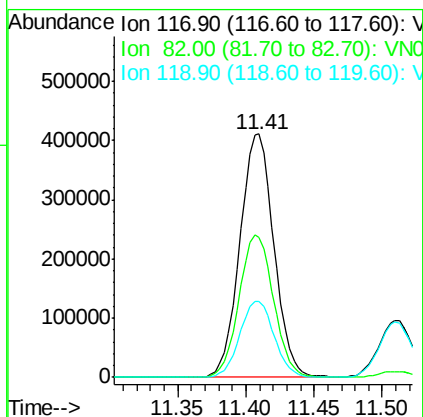
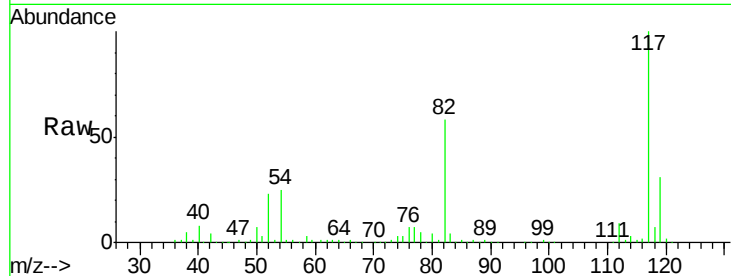
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.9	70.3
119	31.0	25.3	37.9

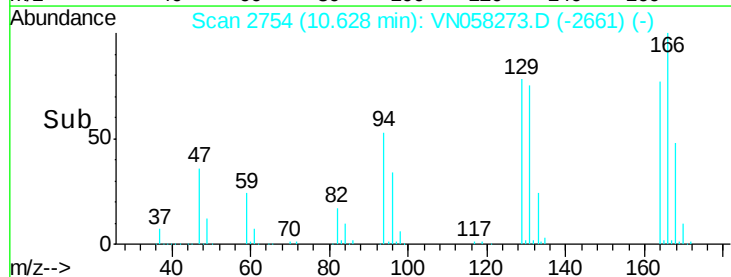
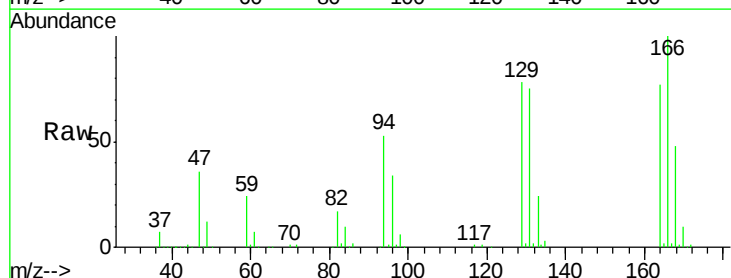
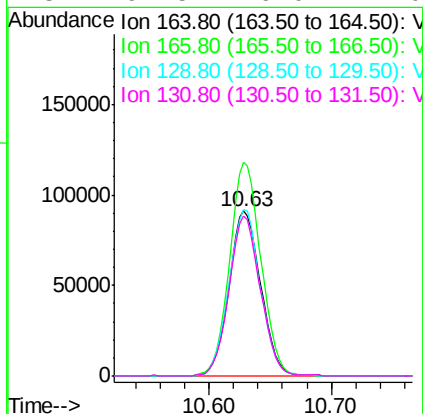
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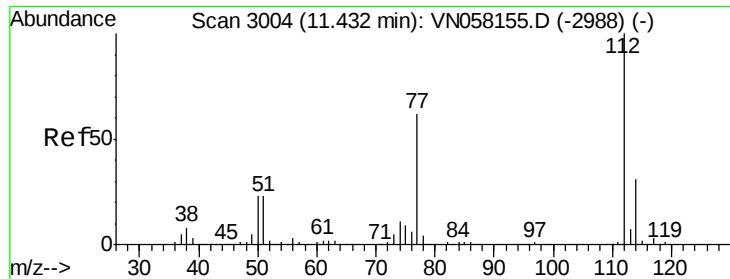
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#64
Tetrachloroethene
Concen: 47.562 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	102.2	153.4
129	101.1	79.6	119.4
131	97.5	76.0	114.0





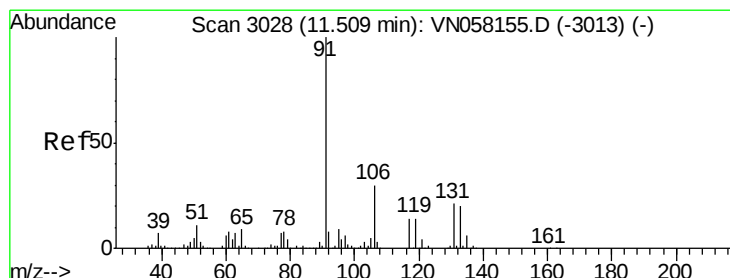
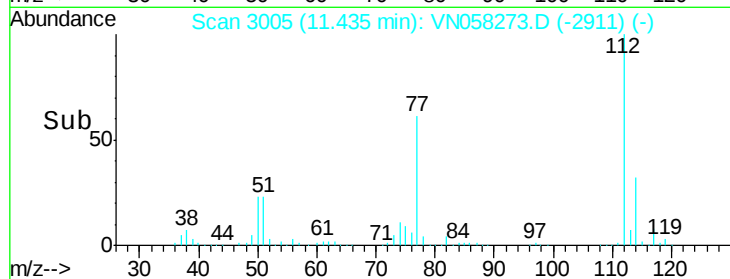
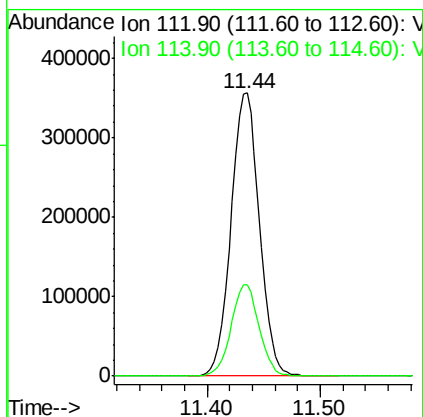
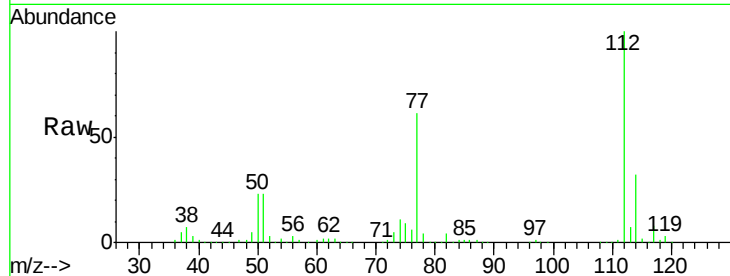
#65
Chlorobenzene
Concen: 49.717 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 621790
Ion Ratio Lower Upper
112 100
114 32.3 25.1 37.7

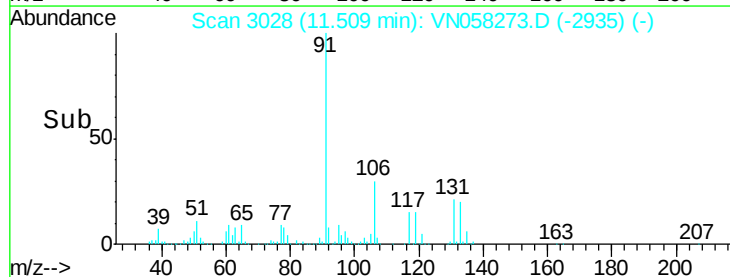
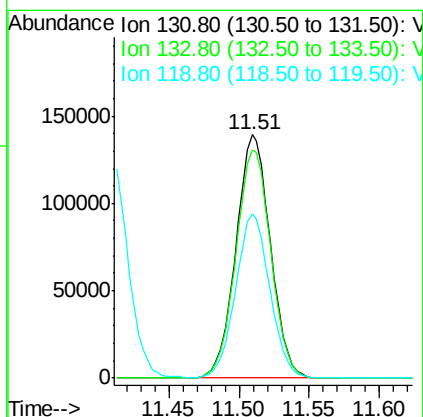
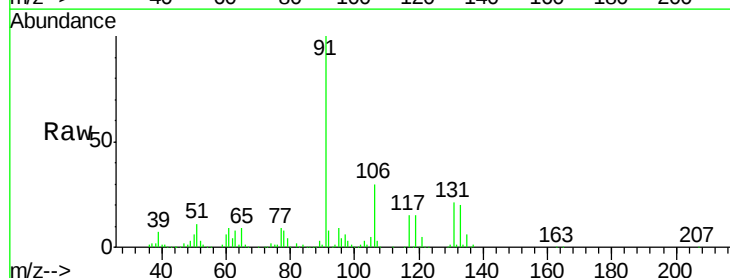
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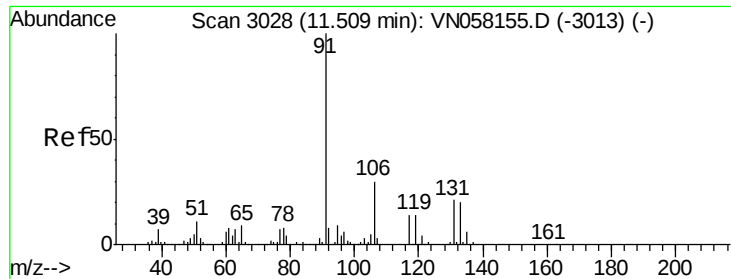
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.452 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Tgt Ion:131 Resp: 237869
Ion Ratio Lower Upper
131 100
133 95.4 47.8 143.3
119 67.2 33.1 99.3





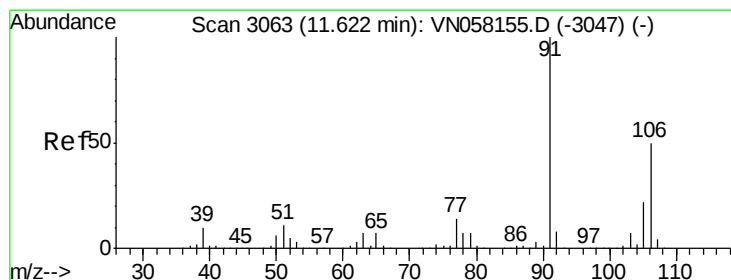
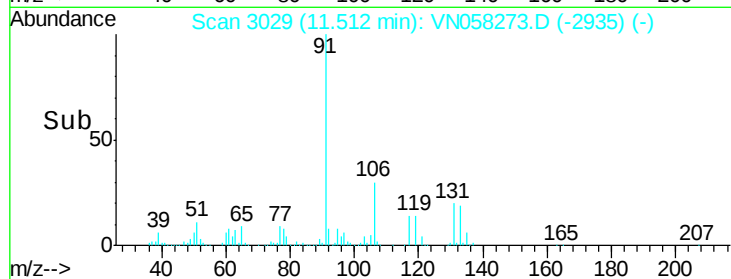
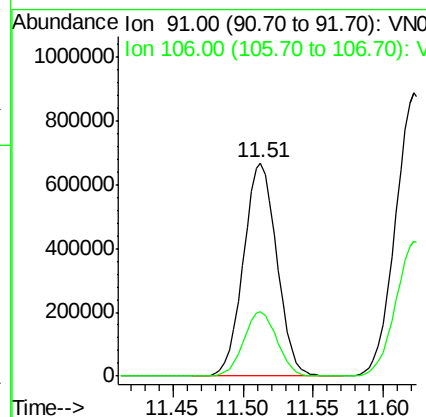
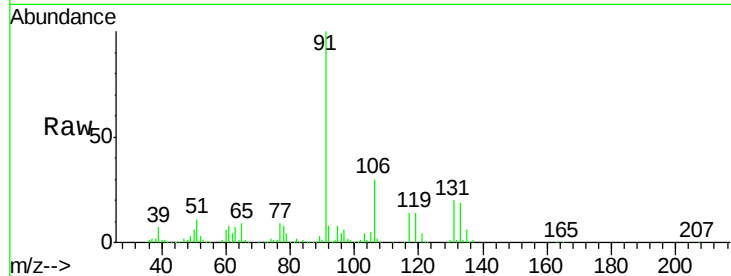
#67
Ethyl Benzene
Concen: 51.666 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1107193
Ion Ratio Lower Upper
91 100
106 30.4 24.0 36.0

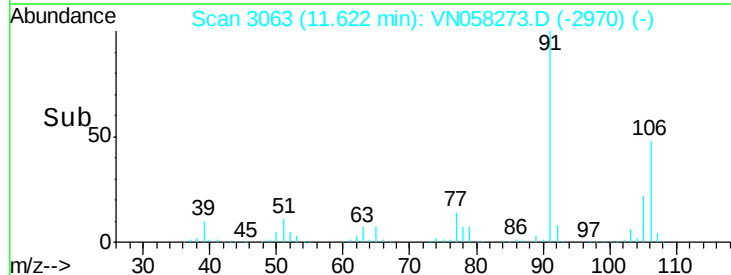
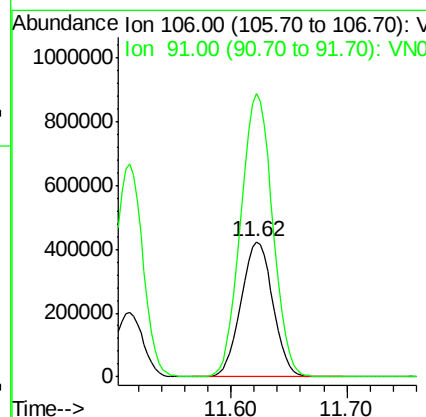
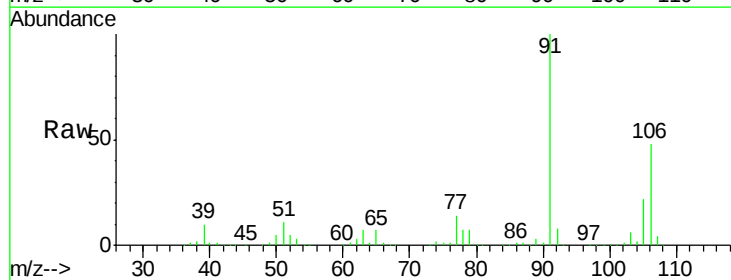
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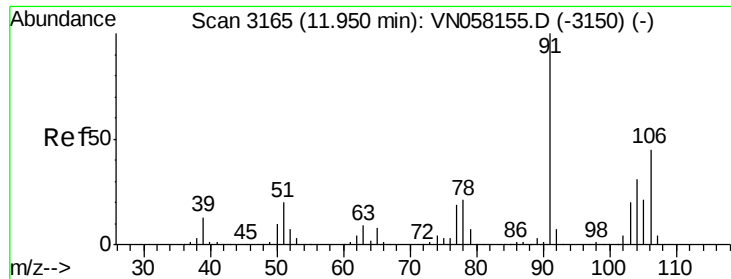
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#68
m/p-Xylenes
Concen: 99.747 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Tgt Ion: 106 Resp: 805075
Ion Ratio Lower Upper
106 100
91 209.9 163.6 245.4





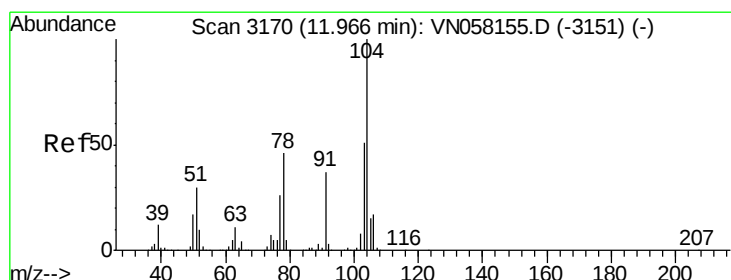
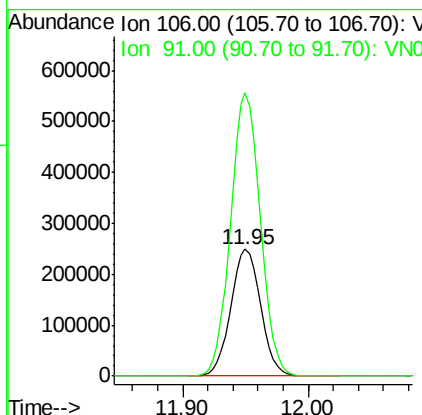
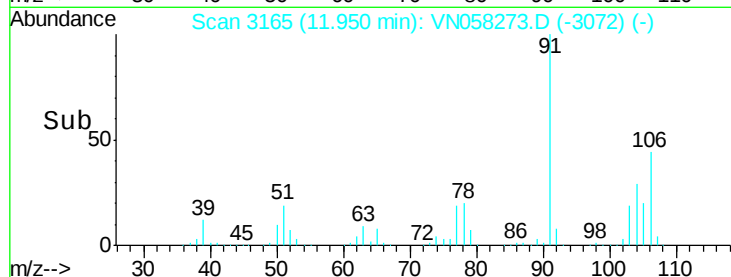
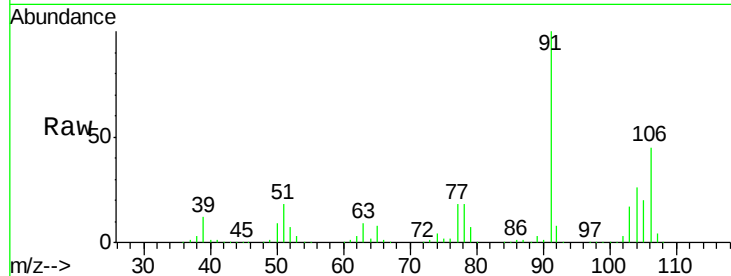
#69
o-Xylene
Concen: 51.729 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 410538
Ion Ratio Lower Upper
106 100
91 222.7 111.8 335.3

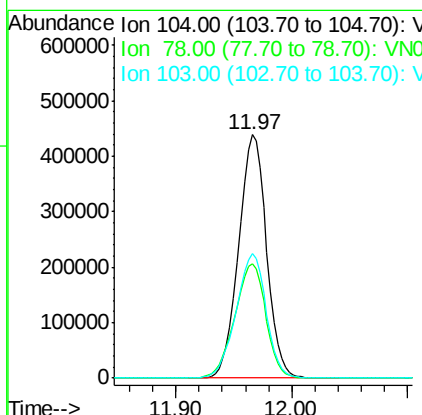
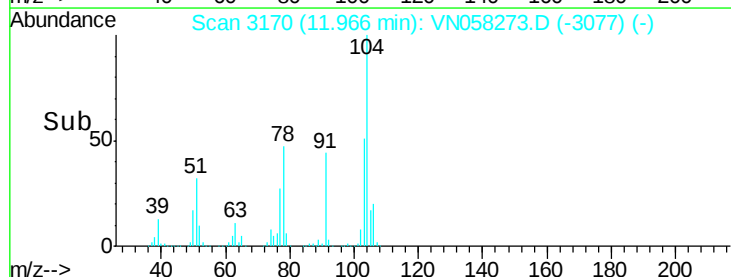
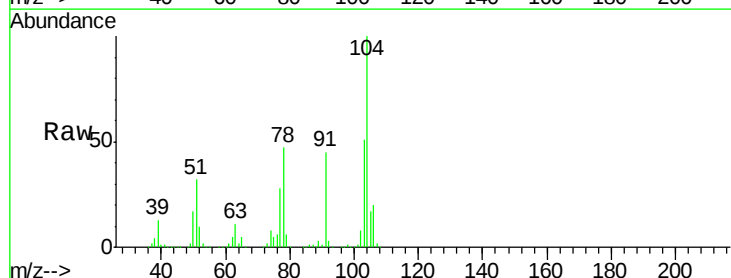
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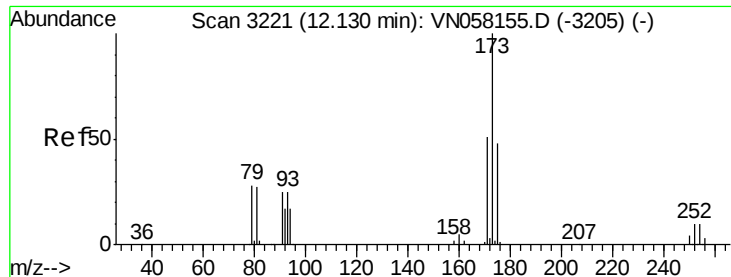
MMDadoda
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#70
Styrene
Concen: 53.474 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Tgt Ion:104 Resp: 731215
Ion Ratio Lower Upper
104 100
78 52.4 41.8 62.8
103 55.2 44.2 66.2





#71

Bromoform

Concen: 47.246 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

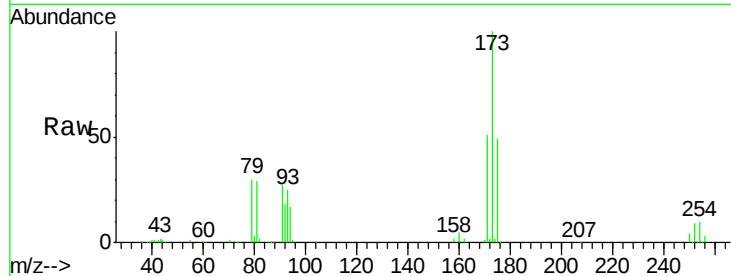
ClientSampleId :

VSTDCCC050EC

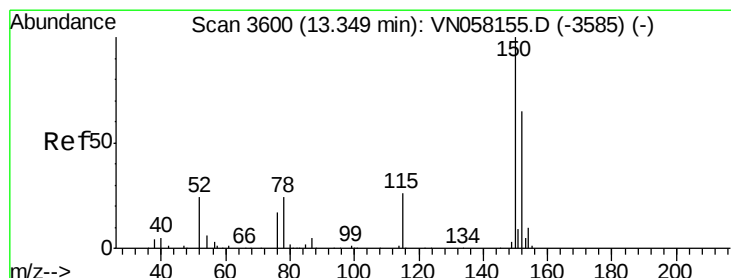
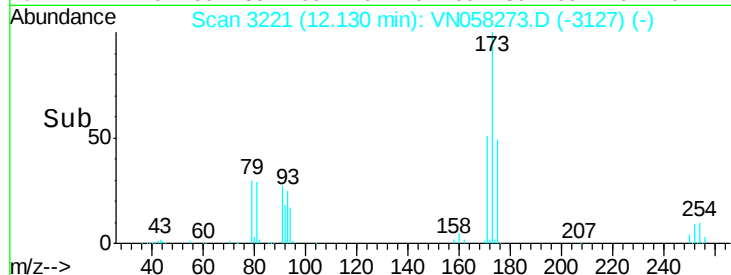
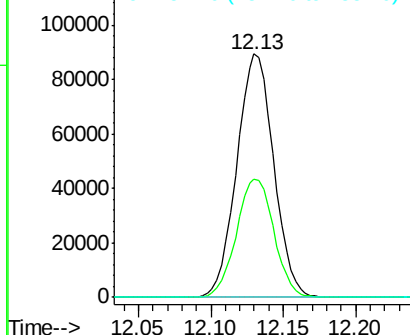
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.2	72.6
254	0.1	0.1	0.1

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

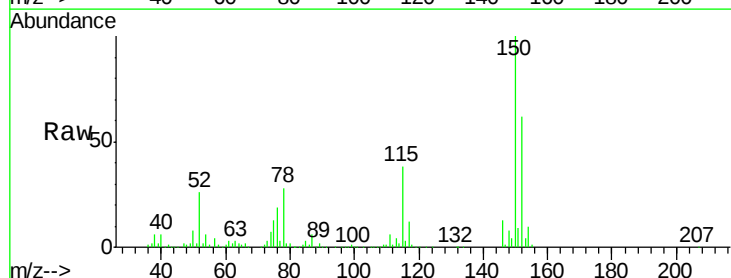
RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

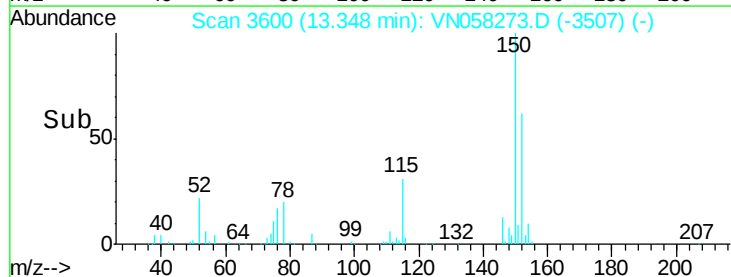
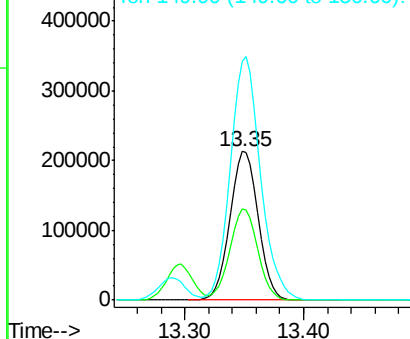
Lab File: VN058273.D

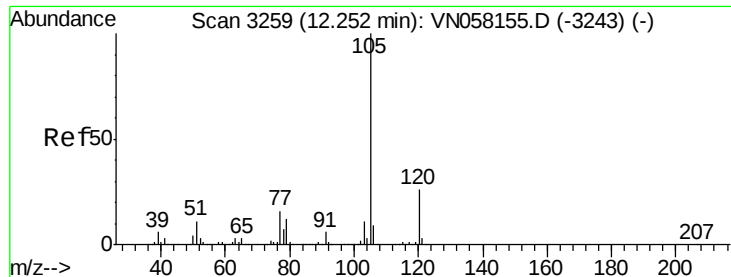
Acq: 20 Sep 2019 23:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.8	30.1	90.3
150	173.9	0.0	346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.719 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1159854

Ion Ratio Lower Upper

105 100

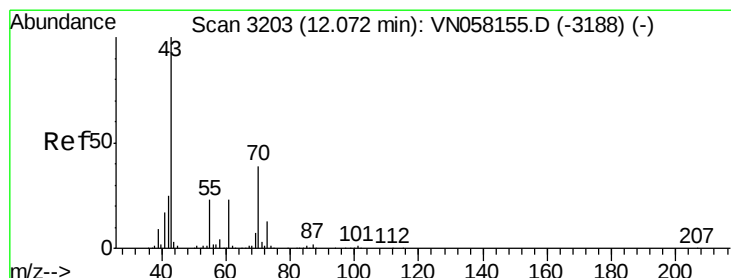
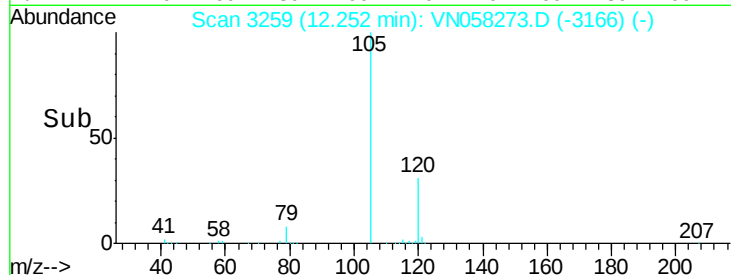
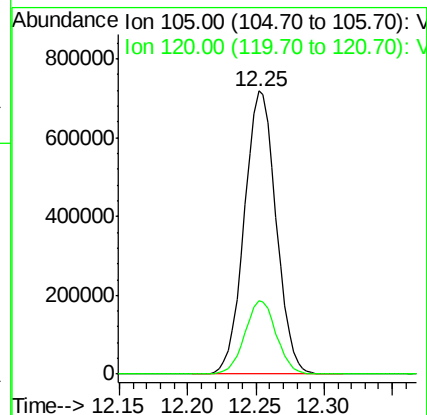
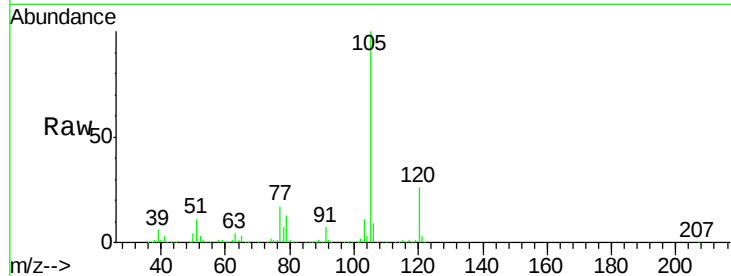
120 25.6 12.8 38.3

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#74

N-ethyl acetate

Concen: 56.096 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Tgt Ion: 43 Resp: 516302

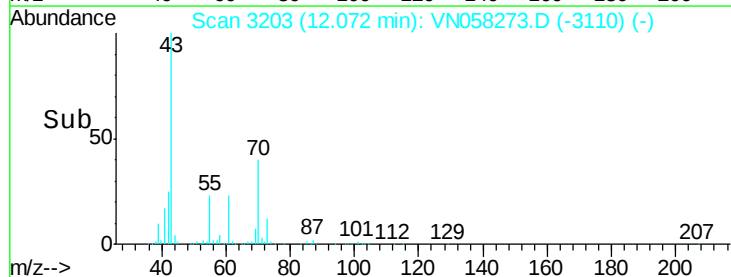
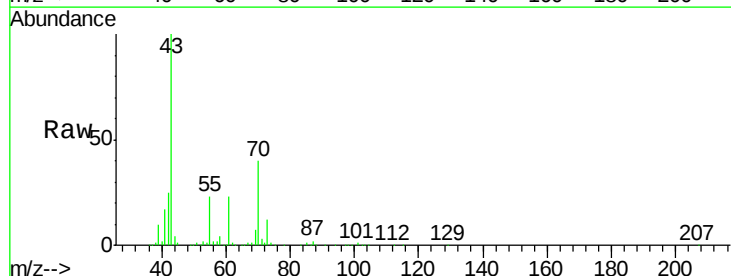
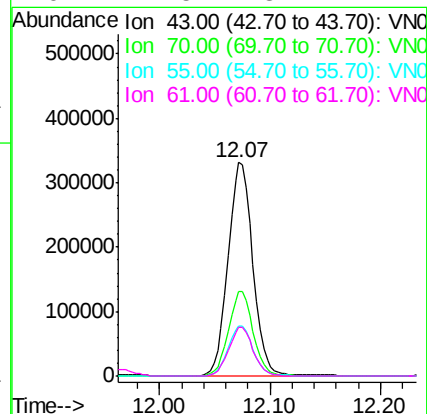
Ion Ratio Lower Upper

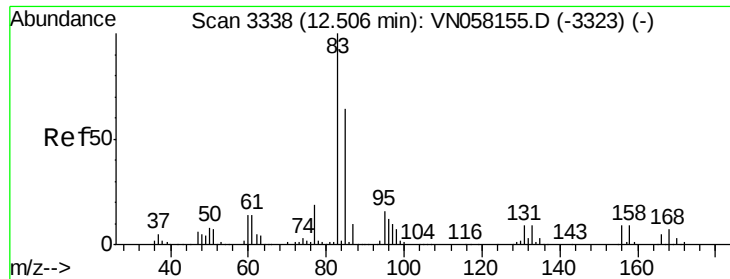
43 100

70 39.4 31.0 46.6

55 23.9 18.5 27.7

61 22.5 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 54.959 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

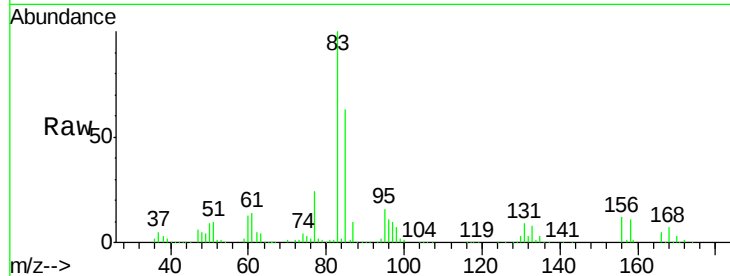
ClientSampleId :

VSTDCCC050EC

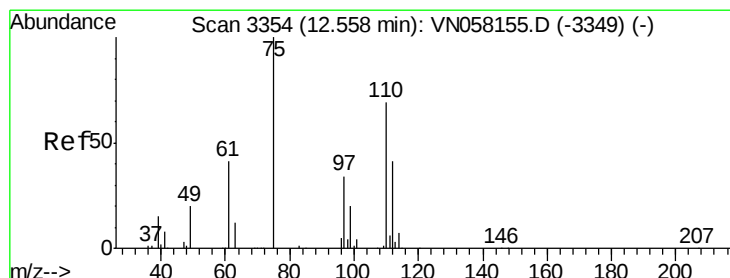
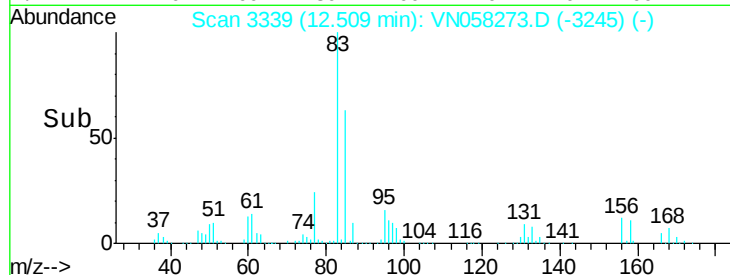
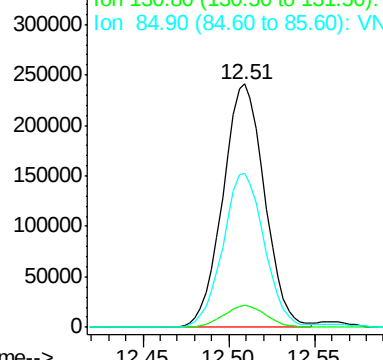
Tot Ion:	83	Resp:	404911
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.8	14.3
85	62.9	31.9	95.5

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Abundance Ion 82.90 (82.60 to 83.60): VN058273.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 57.716 ug/l m

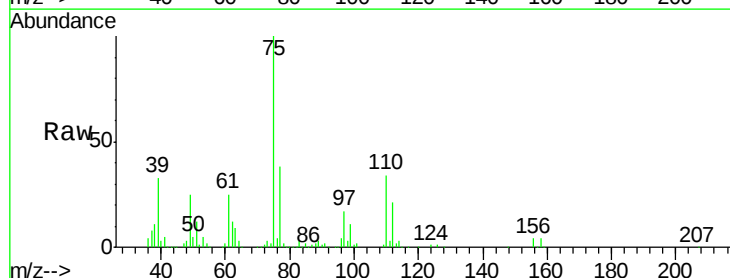
RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

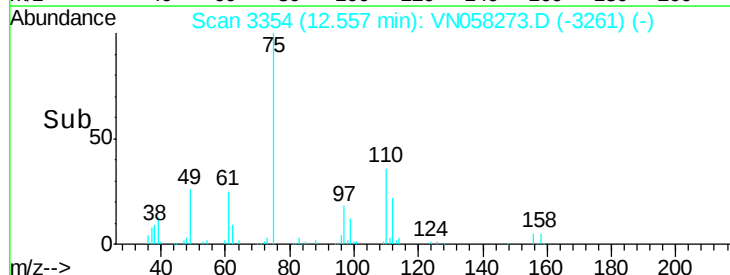
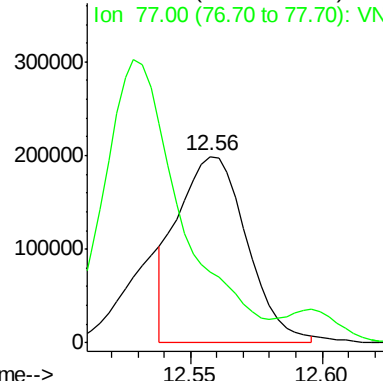
Lab File: VN058273.D

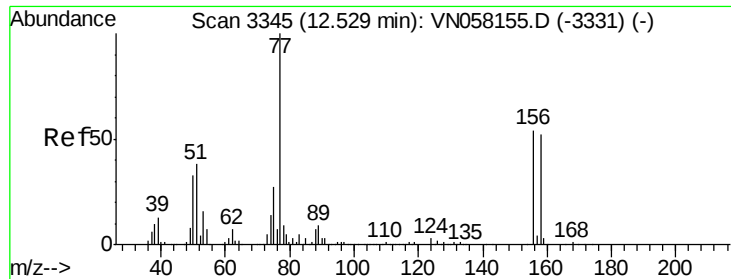
Acq: 20 Sep 2019 23:42

Tgt Ion:	75	Resp:	363061
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058273.D (-3261) (-)





#77

Bromobenzene

Concen: 49.141 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

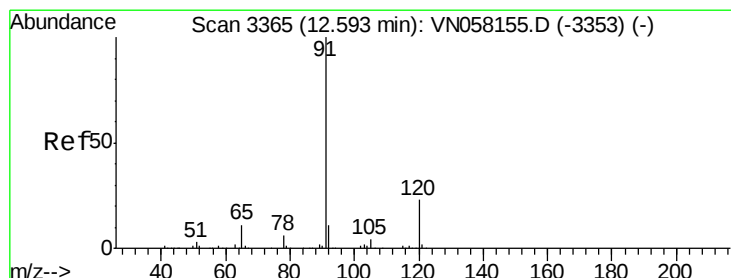
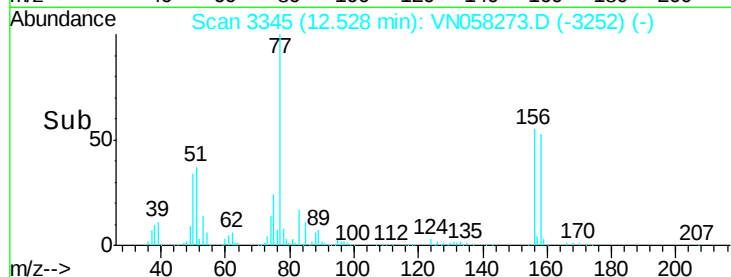
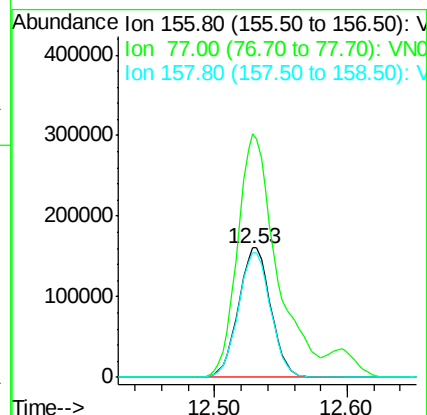
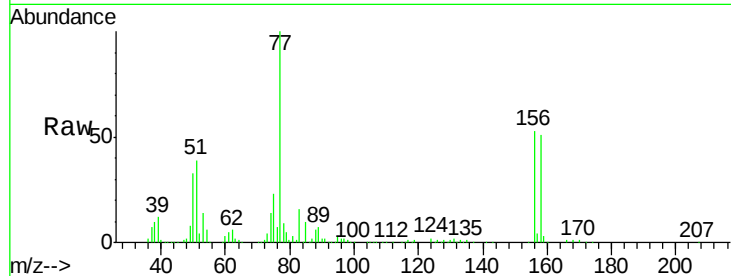
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	227.4	111.7	335.1
158	96.5	47.9	143.8

Manual Integrations
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#78

n-propylbenzene

Concen: 54.409 ug/l

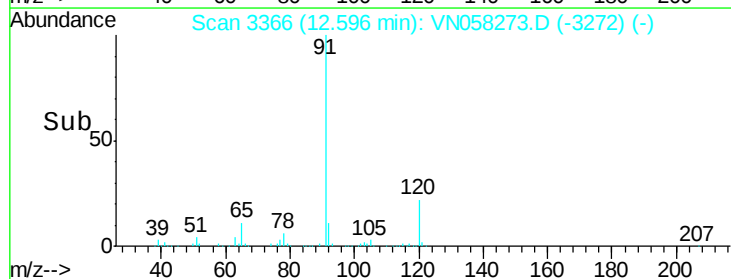
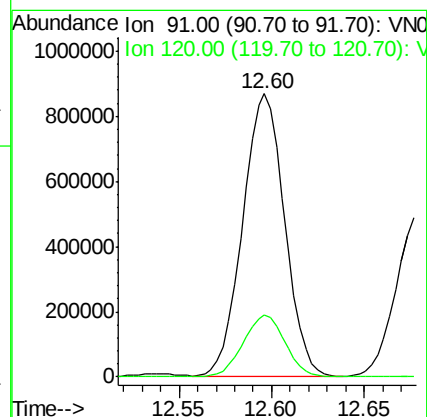
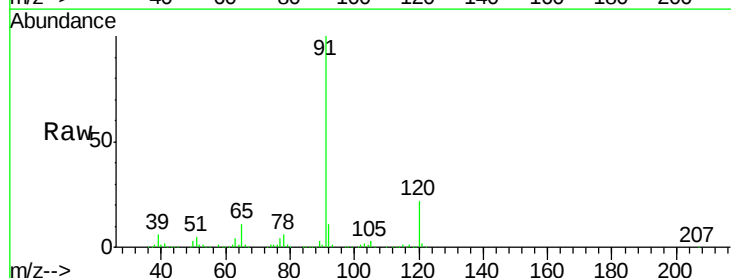
RT: 12.60 min Scan# 3366

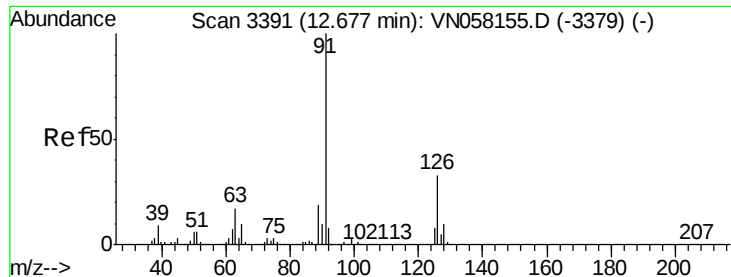
Delta R.T. 0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.1	33.3





#79

2-Chlorotoluene

Concen: 52.365 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 818180

Ion Ratio Lower Upper

91 100

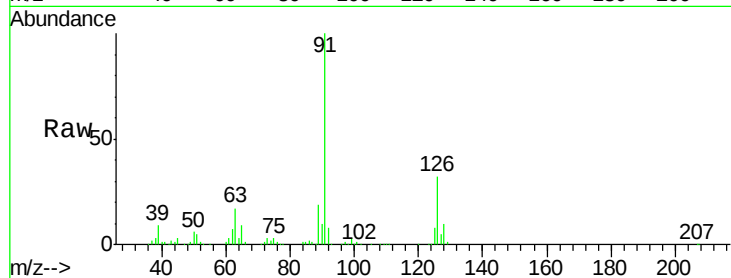
126 31.9 16.4 49.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN058155.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058155.D (-3379) (-)

800000

600000

400000

200000

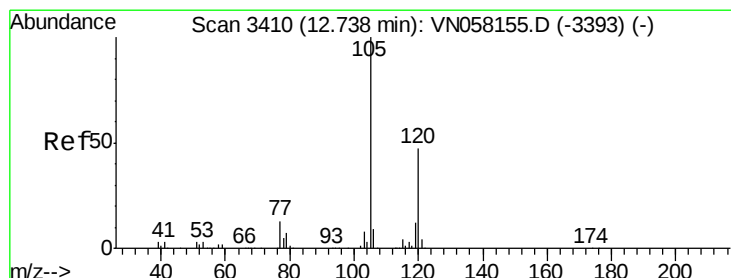
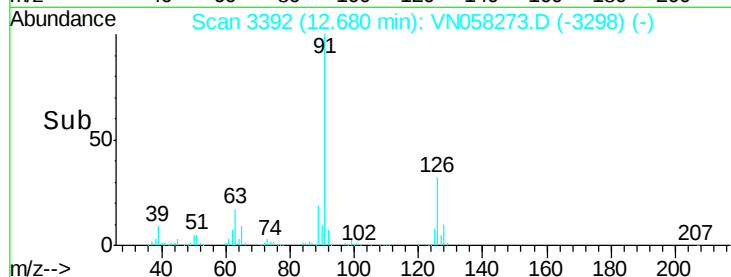
0

12.68

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.963 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058273.D

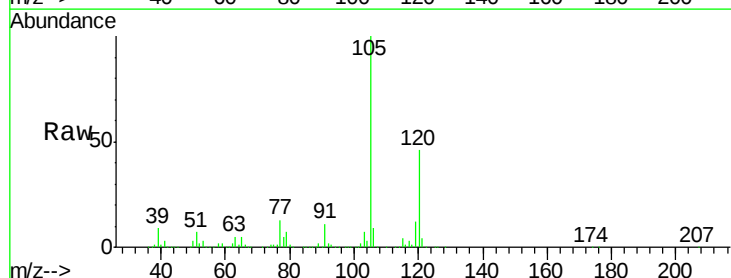
Acq: 20 Sep 2019 23:42

Tgt Ion: 105 Resp: 1003950

Ion Ratio Lower Upper

105 100

120 46.9 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN058155.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN058155.D (-3393) (-)

600000

400000

200000

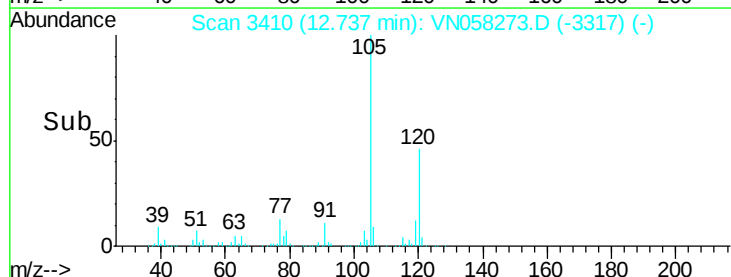
0

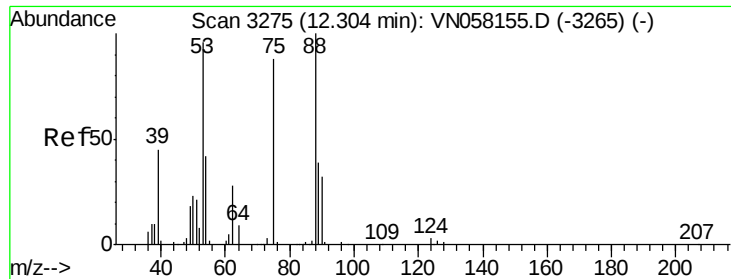
12.74

12.70

12.80

Time-->





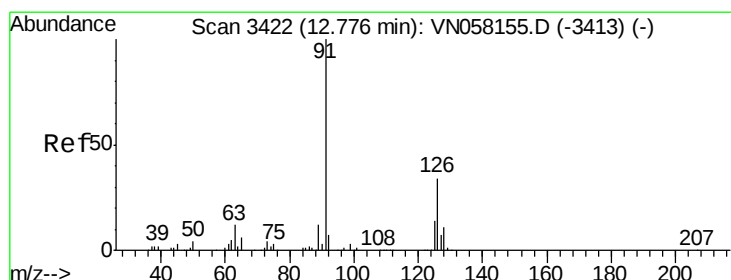
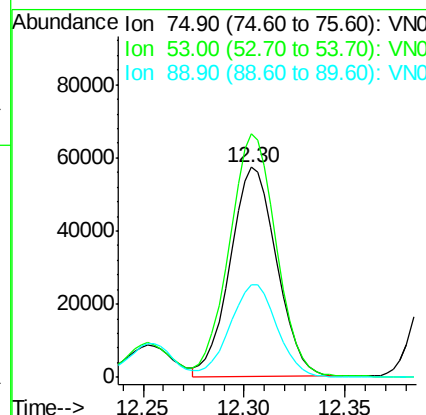
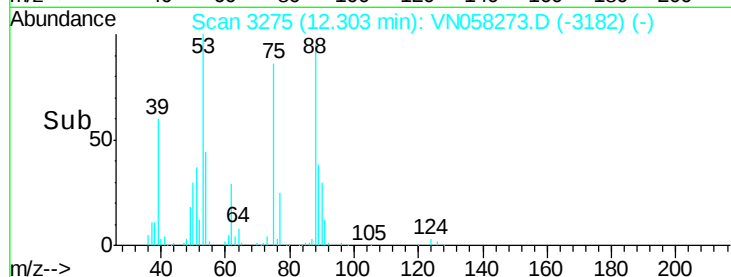
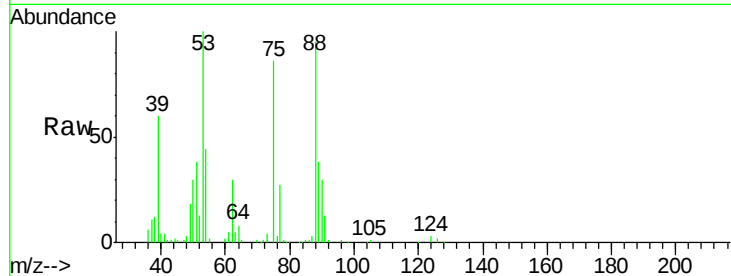
#81
trans-1,4-Dichloro-2-butene
Concen: 44.468 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	117.7	90.1	135.1
89	45.2	36.2	54.2

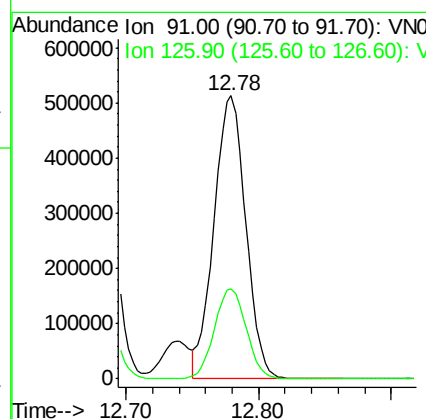
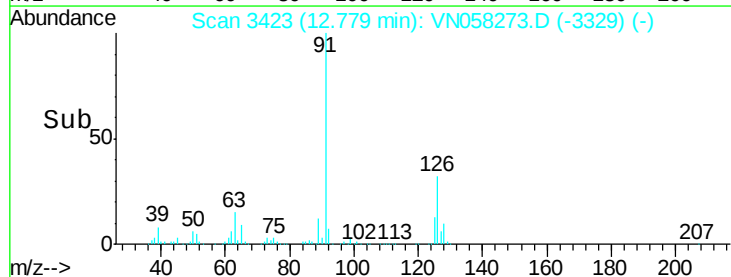
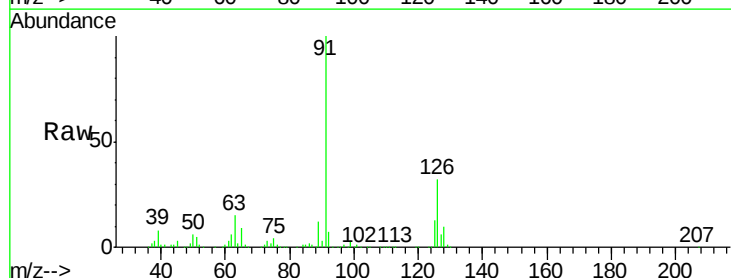
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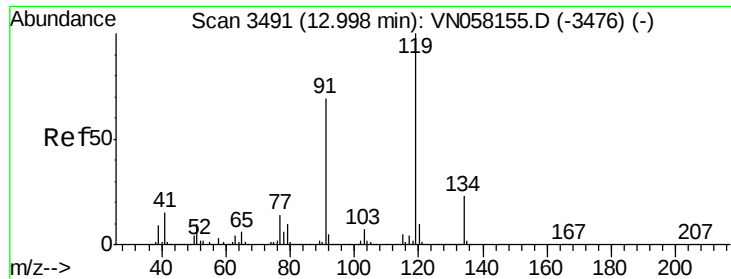
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#82
4-Chlorotoluene
Concen: 51.882 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.7	47.1





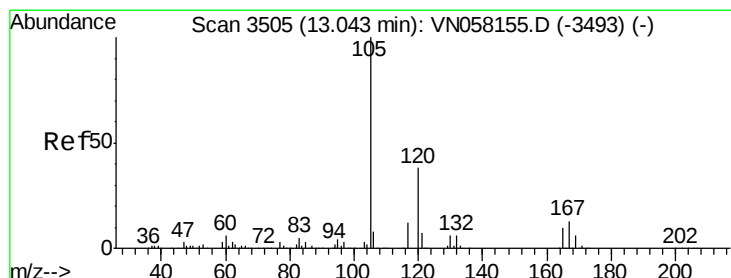
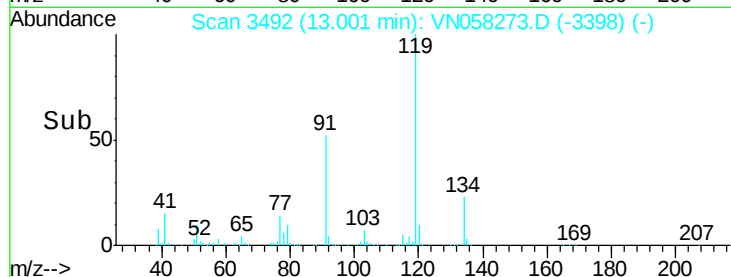
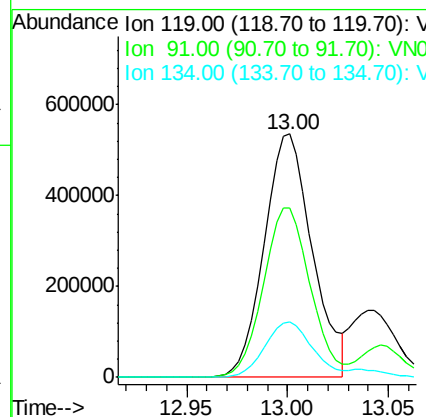
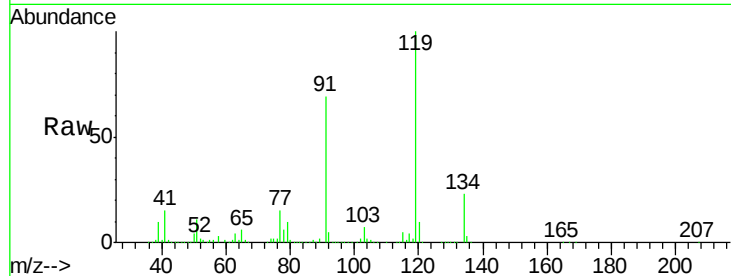
#83
tert-Butylbenzene
Concen: 53.688 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.4	33.8	101.3
134	22.5	11.6	34.8

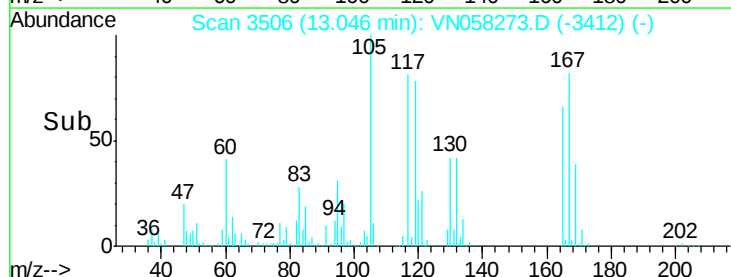
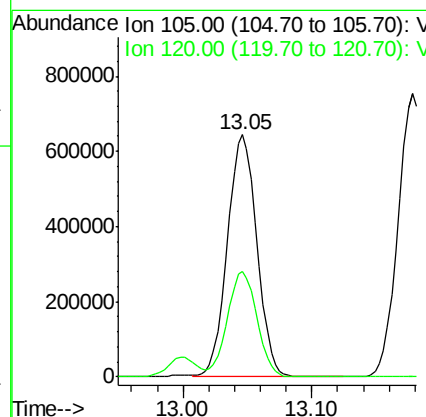
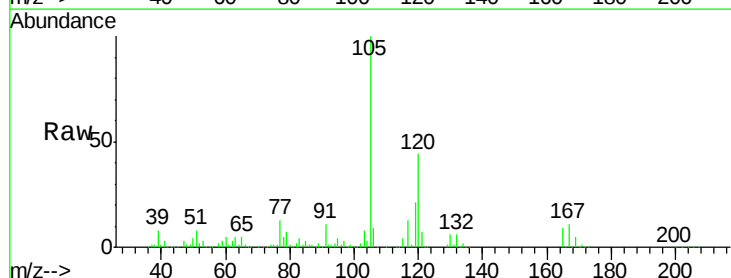
Manual Integrations
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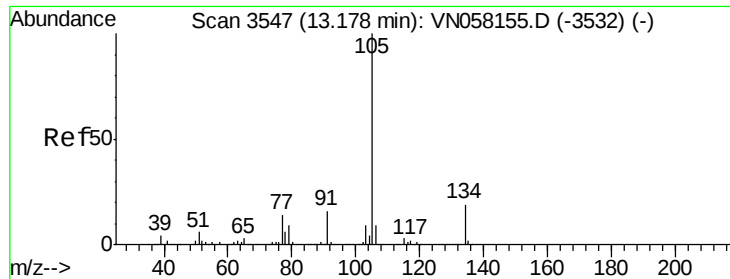
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 54.998 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.1	66.5





#85

sec-Butylbenzene

Concen: 55.004 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1193324

Ion Ratio Lower Upper

105 100

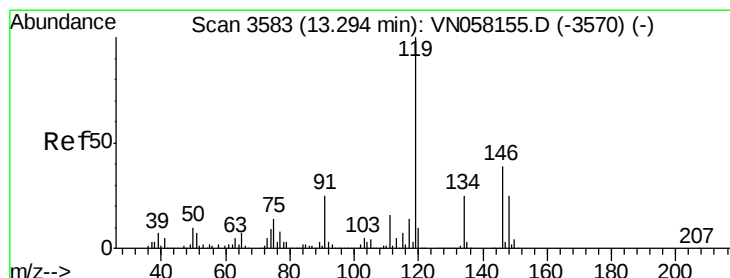
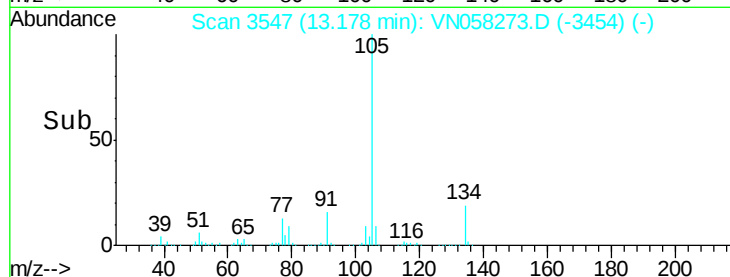
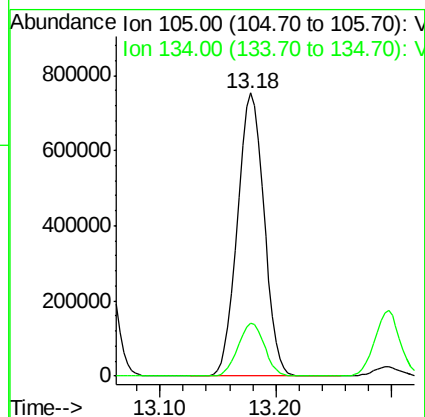
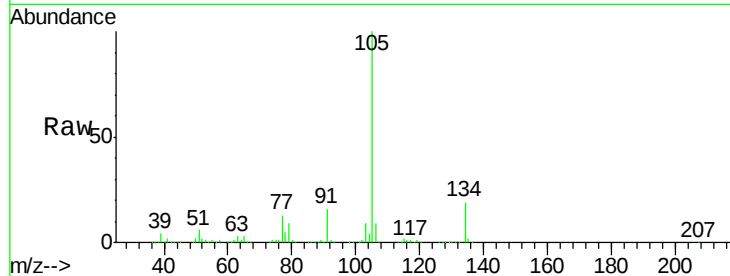
134 18.6 9.5 28.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 54.891 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

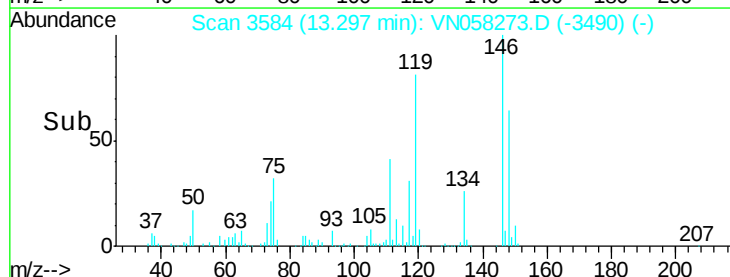
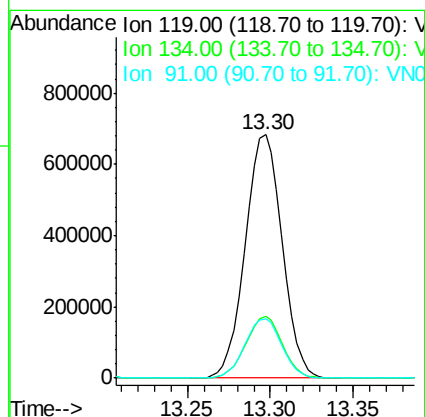
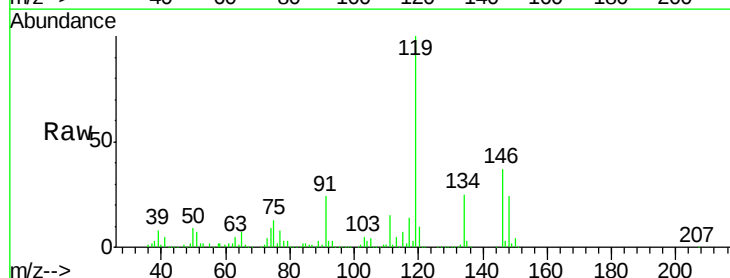
Tgt Ion:119 Resp: 1058710

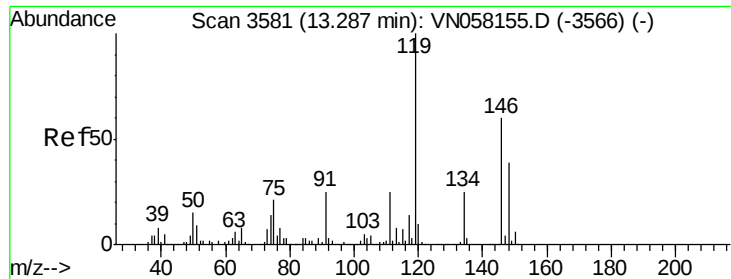
Ion Ratio Lower Upper

119 100

134 25.1 12.7 38.0

91 24.5 12.3 36.8





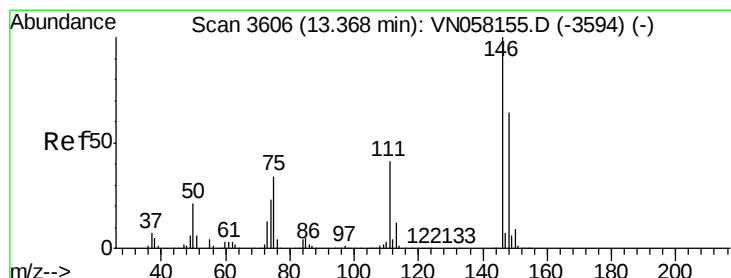
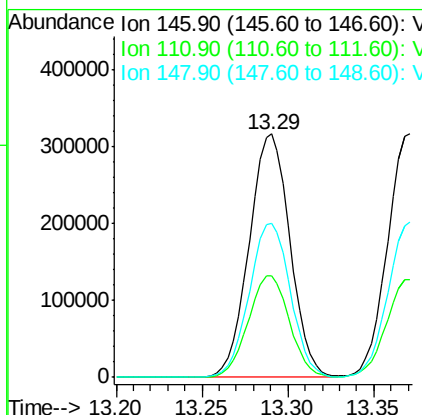
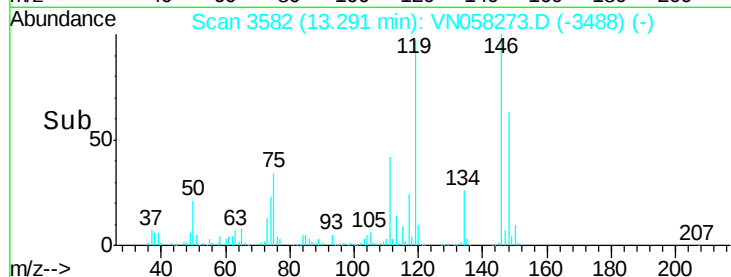
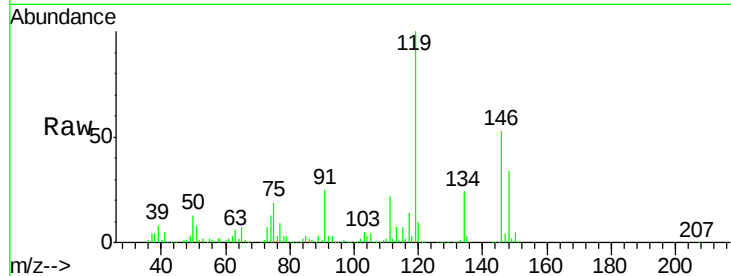
#87
 1,3-Dichlorobenzene
 Concen: 51.624 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058273.D
 Acq: 20 Sep 2019 23:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.9	62.8
148	63.7	32.0	96.2

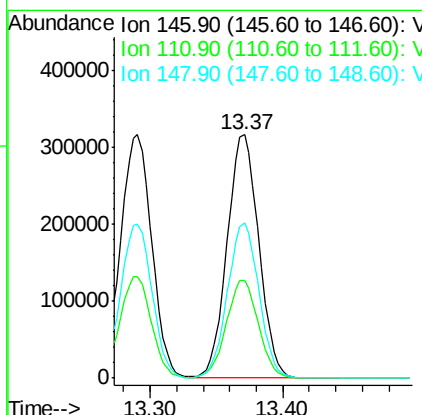
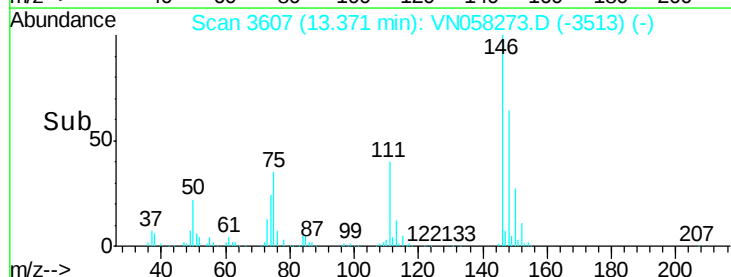
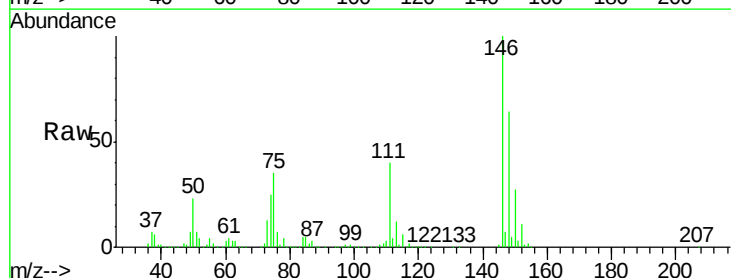
Manual Integrations
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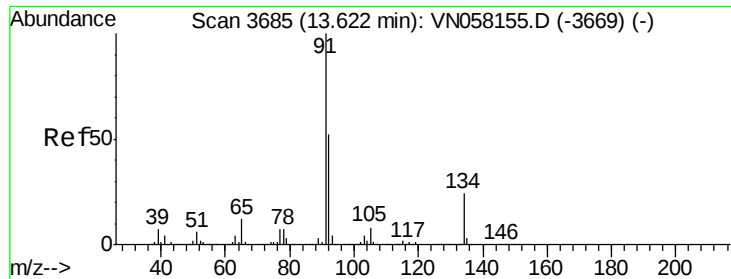
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 9/23/2019 3:31:14 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.875 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058273.D
 Acq: 20 Sep 2019 23:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.5	61.5
148	63.5	31.9	95.5





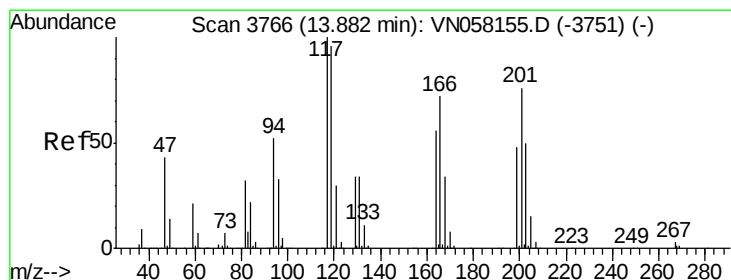
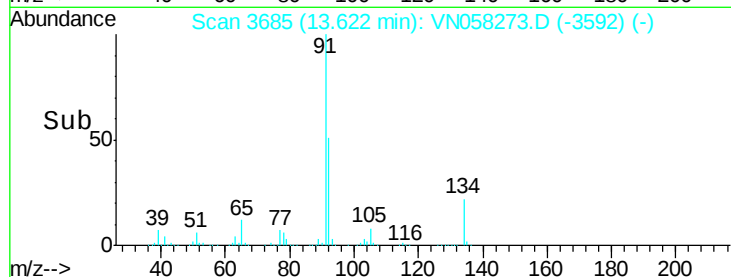
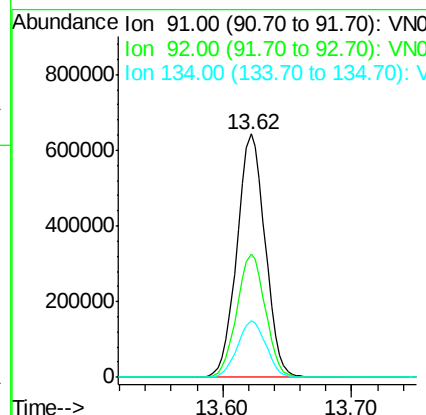
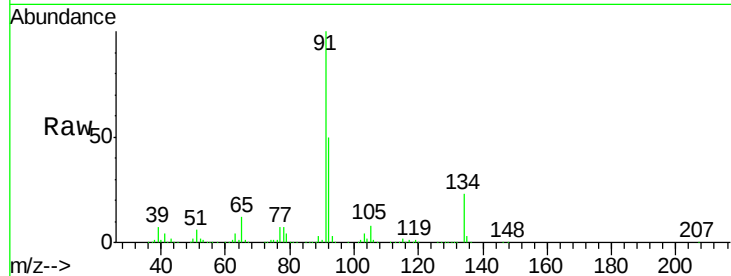
#89
n-Butylbenzene
Concen: 53.291 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.7	77.0
134	23.5	11.8	35.4

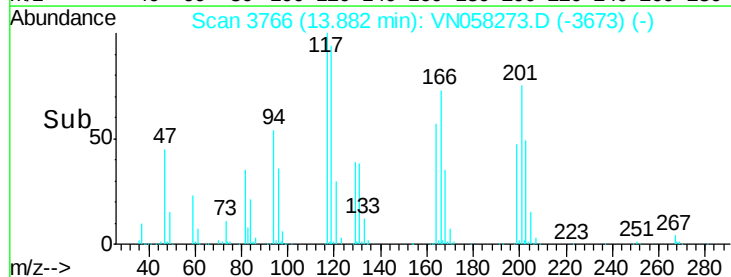
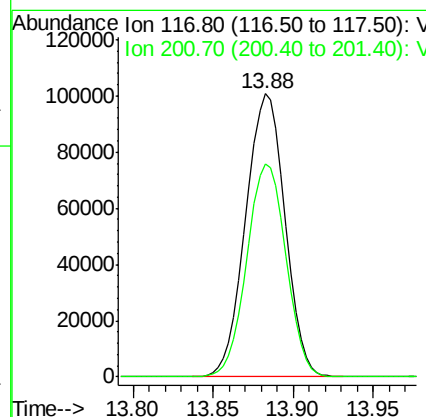
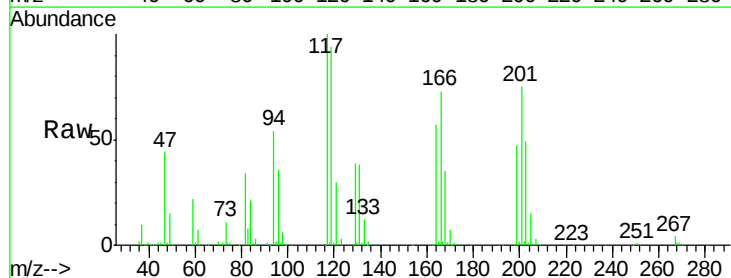
Manual Integrations
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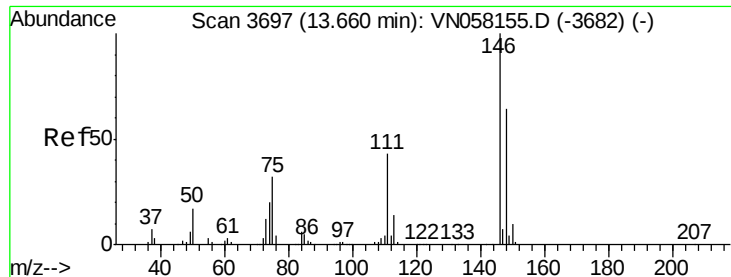
MMDadoda
9/23/2019 3:31:14 PM



#90
Hexachloroethane
Concen: 49.988 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.8	37.5	112.5





#91

1,2-Dichlorobenzene

Concen: 51.999 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

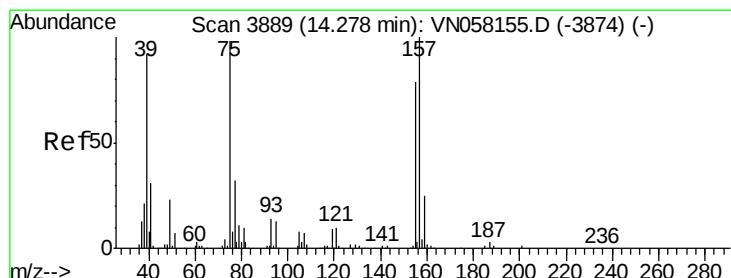
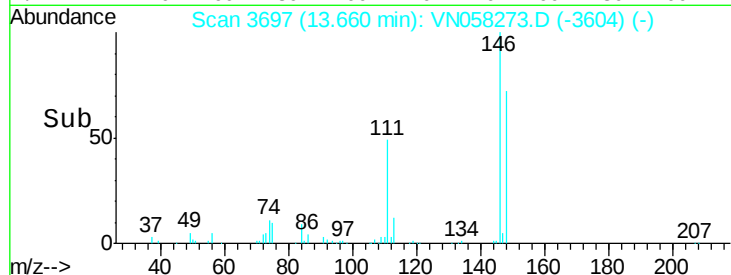
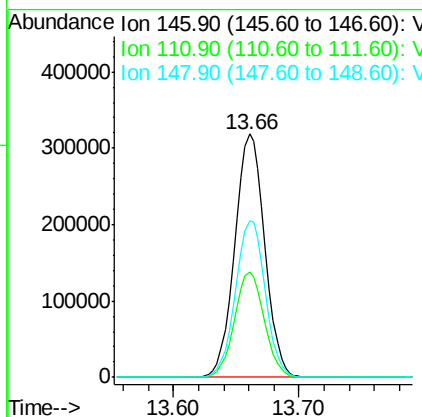
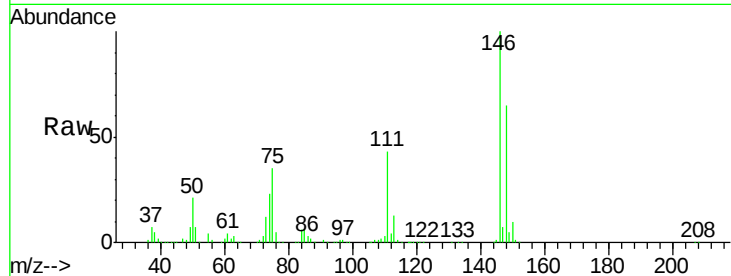
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	527237
Ion Ratio	Lower	Upper	
146	100		
111	43.2	21.1	63.1
148	64.3	31.8	95.4

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#92

1,2-Dibromo-3-Chloropropane

Concen: 54.816 ug/l

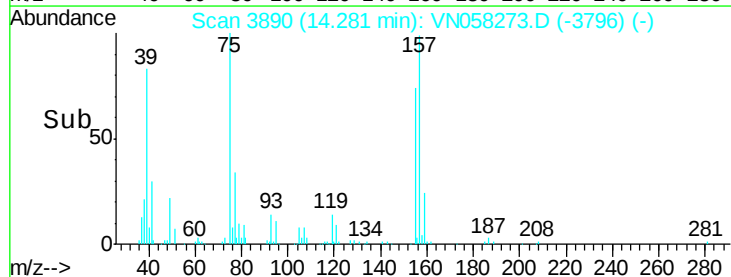
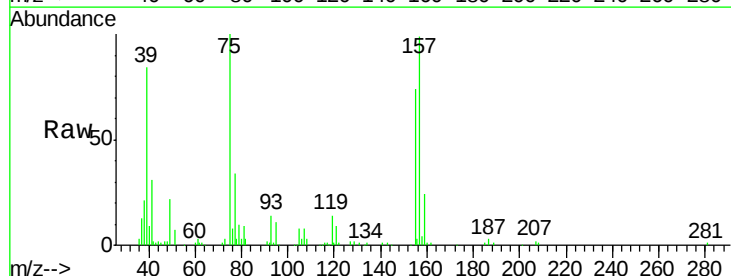
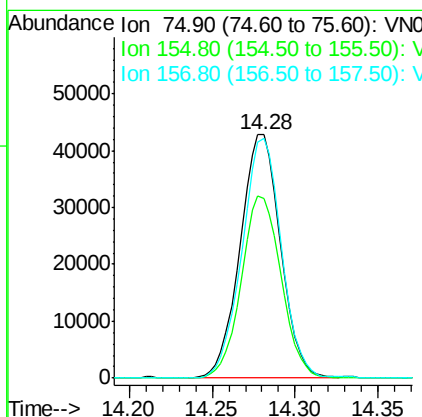
RT: 14.28 min Scan# 3890

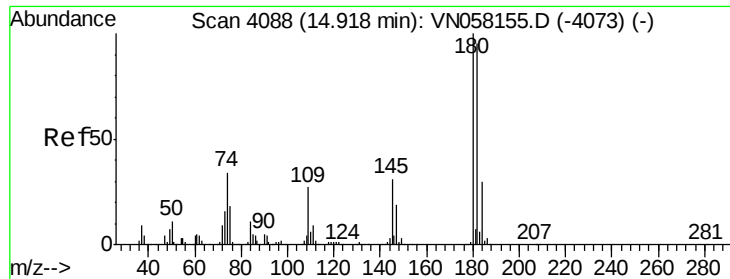
Delta R.T. 0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Tgt Ion:	75	Resp:	72707
Ion Ratio	Lower	Upper	
75	100		
155	73.7	38.3	114.8
157	96.3	48.0	144.0





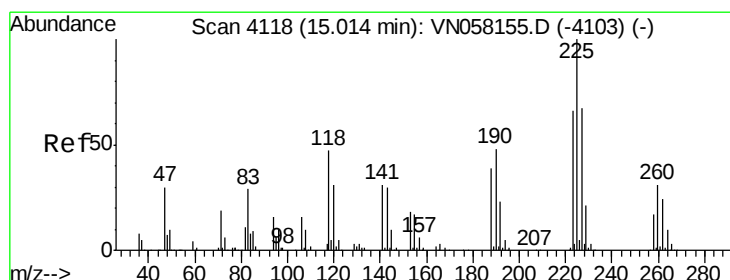
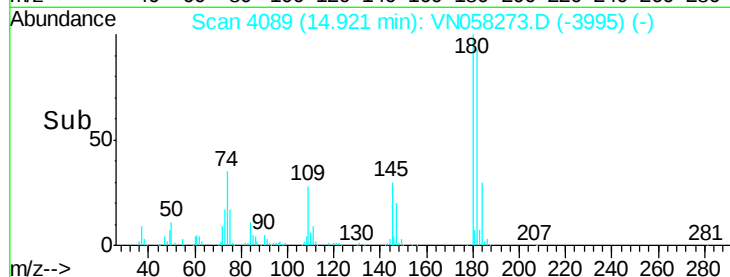
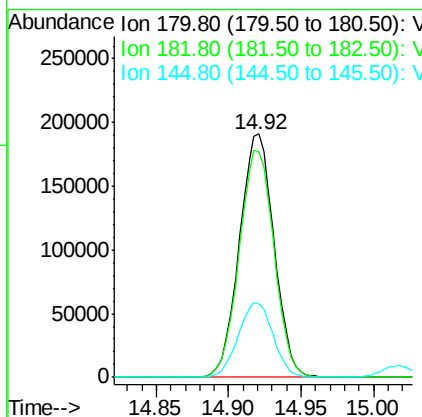
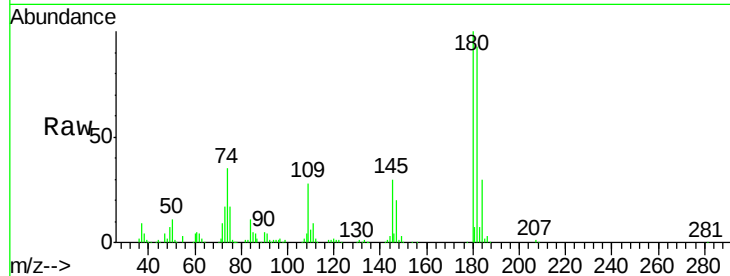
#93
 1,2,4-Trichlorobenzene
 Concen: 48.840 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058273.D
 Acq: 20 Sep 2019 23:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.8	143.3
145	31.0	15.4	46.4

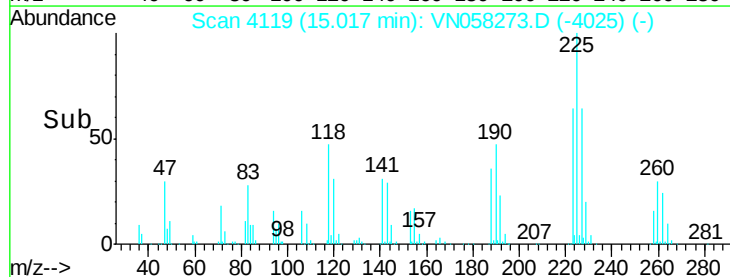
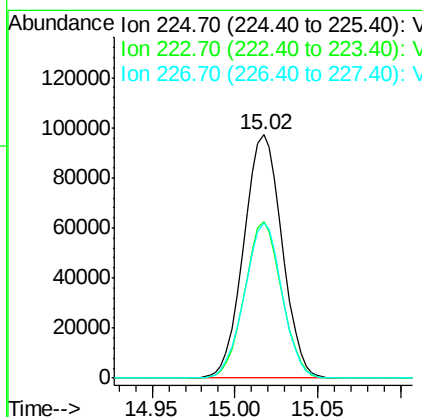
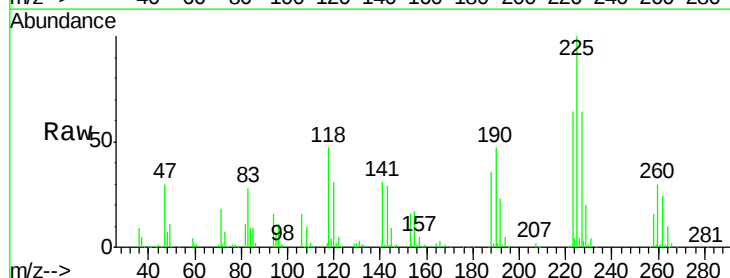
Manual Integrations
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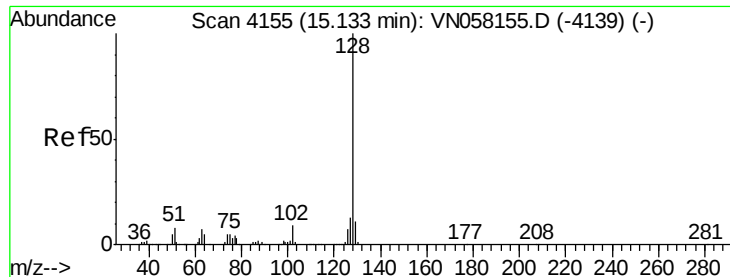
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#94
 Hexachlorobutadiene
 Concen: 49.812 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058273.D
 Acq: 20 Sep 2019 23:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	32.6	97.7
227	62.5	33.0	99.0





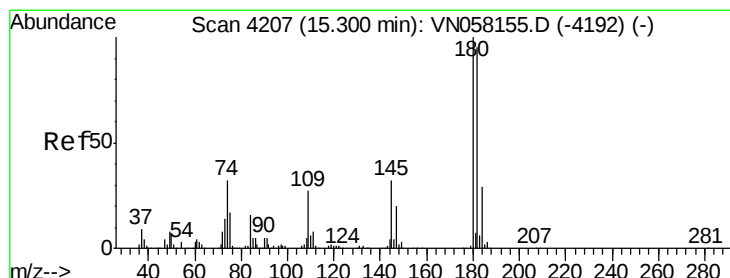
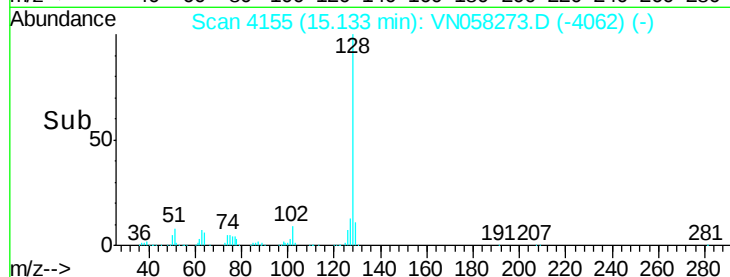
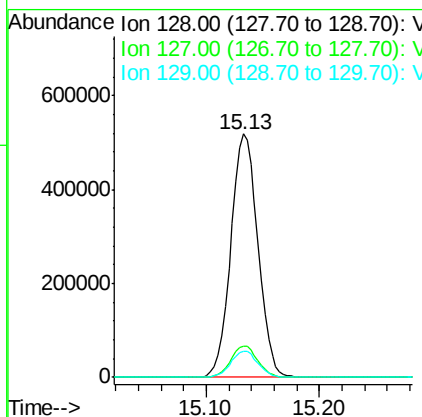
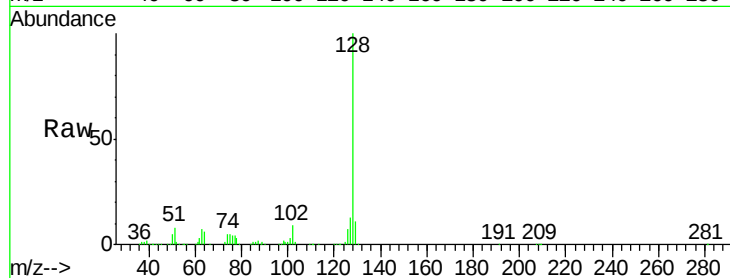
#95
Naphthalene
Concen: 51.447 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.7	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 49.060 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. 0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.4	142.2
145	32.0	16.1	48.2

