

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091619\
 Data File : VN058132.D
 Acq On : 16 Sep 2019 20:09
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 2:56:43 PM

Quant Time: Sep 17 03:56:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	393830	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	635270	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	605276	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	369514	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	369834	46.36	ug/l	0.00
Spiked Amount			Recovery	=	92.72%	
35) Dibromofluoromethane	7.57	113	270568	46.15	ug/l	0.00
Spiked Amount			Recovery	=	92.30%	
50) Toluene-d8	10.08	98	1038115	45.60	ug/l	0.00
Spiked Amount			Recovery	=	91.20%	
62) 4-Bromofluorobenzene	12.40	95	393748	45.39	ug/l	0.00
Spiked Amount			Recovery	=	90.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	241210	44.287	ug/l	100
3) Chloromethane	2.04	50	208103	37.488	ug/l	99
4) Vinyl Chloride	2.17	62	213217	36.291	ug/l	100
5) Bromomethane	2.53	94	132213	40.667	ug/l	98
6) Chloroethane	2.68	64	135862	36.290	ug/l	99
7) Trichlorofluoromethane	3.00	101	289132	39.106	ug/l	98
8) Diethyl Ether	3.39	74	142913	46.344	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	213954	45.872	ug/l	99
10) Methyl Iodide	3.93	142	231420	44.588	ug/l	99
11) Tert butyl alcohol	4.76	59	211974	219.563	ug/l	99
12) 1,1-Dichloroethene	3.72	96	180237	42.979	ug/l	97
13) Acrolein	3.59	56	135890	165.907	ug/l	100
14) Allyl chloride	4.30	41	359582	43.815	ug/l	99
15) Acrylonitrile	4.96	53	637098	240.088	ug/l	99
16) Acetone	3.79	43	524498	200.579	ug/l	99
17) Carbon Disulfide	4.03	76	247342	37.934	ug/l	99
18) Methyl Acetate	4.30	43	359537	51.568	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	859910	49.272	ug/l	100
20) Methylene Chloride	4.53	84	248934	50.006	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	190914	42.114	ug/l	98
22) Diisopropyl ether	5.93	45	947886	49.251	ug/l	100
23) Vinyl Acetate	5.87	43	3444951	252.570	ug/l	100
24) 1,1-Dichloroethane	5.83	63	493576	46.925	ug/l	100
25) 2-Butanone	6.81	43	865320	228.636	ug/l	99
26) 2,2-Dichloropropane	6.81	77	349811	42.024	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	278773	45.887	ug/l	99
28) Bromochloromethane	7.18	49	241692	45.994	ug/l	95
29) Tetrahydrofuran	7.19	42	539452	231.311	ug/l	100
30) Chloroform	7.36	83	522444	47.504	ug/l	99
31) Cyclohexane	7.64	56	326136	45.289	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	412660	47.310	ug/l	100
36) 1,1-Dichloropropene	7.78	75	316899	43.013	ug/l	100
37) Ethyl Acetate	6.91	43	361418	47.480	ug/l	99
38) Carbon Tetrachloride	7.76	117	325954	48.459	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	323581	41.780	ug/l	96
40) Benzene	8.03	78	1022259	46.087	ug/l	99
41) Methacrylonitrile	7.19	41	535151	154.878	ug/l #	16
42) 1,2-Dichloroethane	8.11	62	429014	48.362	ug/l	100
43) Isopropyl Acetate	8.15	43	650871	50.846	ug/l	99
44) Trichloroethene	8.82	130	250106	45.973	ug/l	100
45) 1,2-Dichloropropane	9.11	63	311163	48.210	ug/l	98
46) Dibromomethane	9.20	93	189615	48.617	ug/l	100
47) Bromodichloromethane	9.40	83	402772	51.715	ug/l	99
48) Methyl methacrylate	9.19	41	310685	47.846	ug/l	99
49) 1,4-Dioxane	9.19	88	89966	819.293	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1948461	257.218	ug/l	99
52) Toluene	10.15	92	649876	46.518	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	417146	50.862	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	456034	50.363	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	296975	50.184	ug/l	97
56) Ethyl methacrylate	10.43	69	447891	50.260	ug/l	99
57) 1,3-Dichloropropane	10.71	76	497112	48.744	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	927715	221.032	ug/l	100
59) 2-Hexanone	10.75	43	1395701	245.815	ug/l	100
60) Dibromochloromethane	10.90	129	288736	52.544	ug/l	99
61) 1,2-Dibromoethane	11.00	107	272424	48.694	ug/l	99
64) Tetrachloroethene	10.63	164	202355	45.279	ug/l	98
65) Chlorobenzene	11.43	112	747794	47.208	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	279685	50.884	ug/l	99
67) Ethyl Benzene	11.51	91	1337847	48.191	ug/l	99
68) m/p-Xylenes	11.62	106	976128	95.992	ug/l	99
69) o-Xylene	11.95	106	489543	48.425	ug/l	98
70) Styrene	11.97	104	876755	50.394	ug/l	100
71) Bromoform	12.13	173	183026	53.409	ug/l #	98
73) Isopropylbenzene	12.25	105	1370275	47.789	ug/l	100
74) N-amyl acetate	12.07	43	595242	47.701	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	452116	46.831	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	539370	64.525	ug/l #	100
77) Bromobenzene	12.53	156	321948	45.035	ug/l	99
78) n-propylbenzene	12.59	91	1610225	48.905	ug/l	99
79) 2-Chlorotoluene	12.68	91	972468	46.731	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1178627	48.649	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	112343	47.295	ug/l	97
82) 4-Chlorotoluene	12.78	91	1014044	47.451	ug/l	99
83) tert-Butylbenzene	13.00	119	1031459	47.896	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1204051	48.899	ug/l	98
85) sec-Butylbenzene	13.18	105	1387877	48.623	ug/l	100
86) p-Isopropyltoluene	13.29	119	1247759	49.613	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	626286	47.729	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	624562	46.892	ug/l	100
89) n-Butylbenzene	13.62	91	1149762	48.410	ug/l	99
90) Hexachloroethane	13.88	117	189037	50.540	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	623422	47.556	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	81456	51.091	ug/l	98

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	394192	46.005	ug/l	99
94) Hexachlorobutadiene	15.02	225	174467	48.034	ug/l	99
95) Naphthalene	15.13	128	1109623	51.339	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	365680	48.908	ug/l	99

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

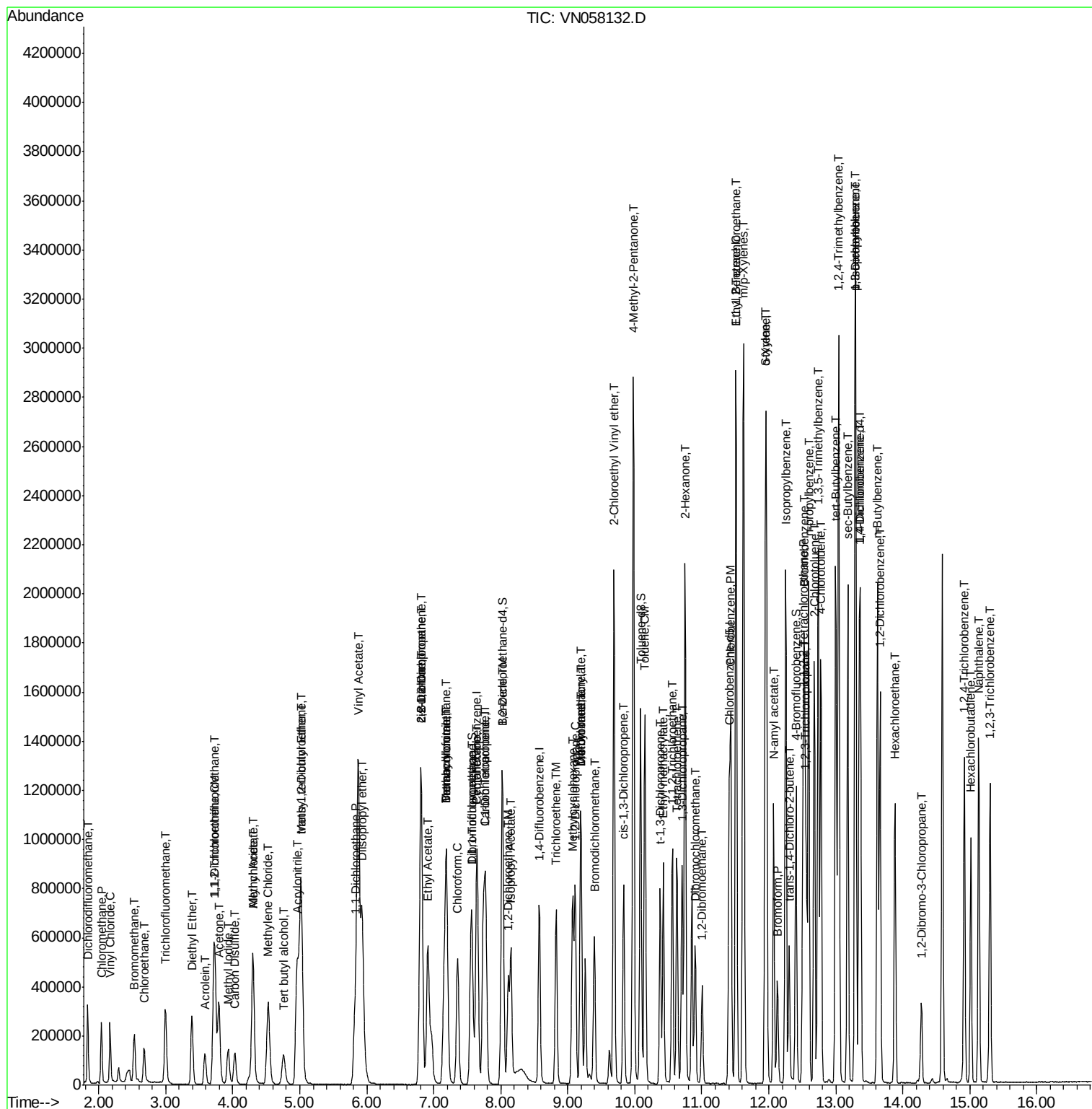
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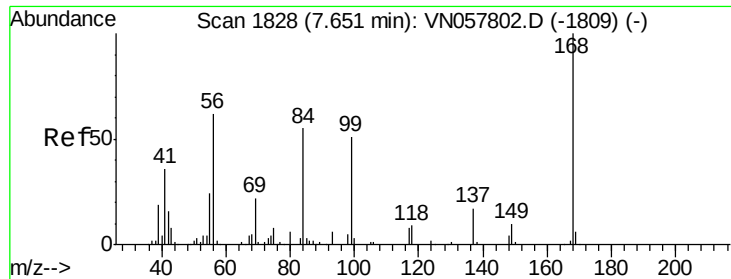
Instrument :
MSVOA_N
Client Sample ID :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 393830

Ion Ratio Lower Upper

168 100

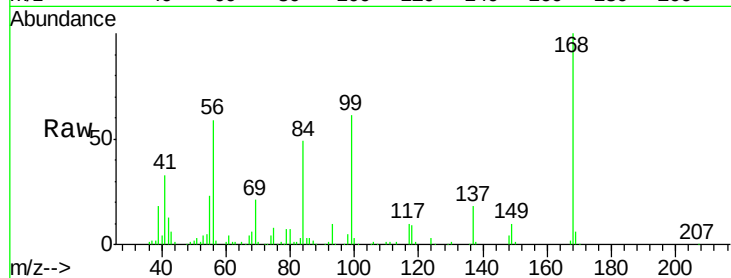
99 60.4 48.0 72.0

Manual Integrations

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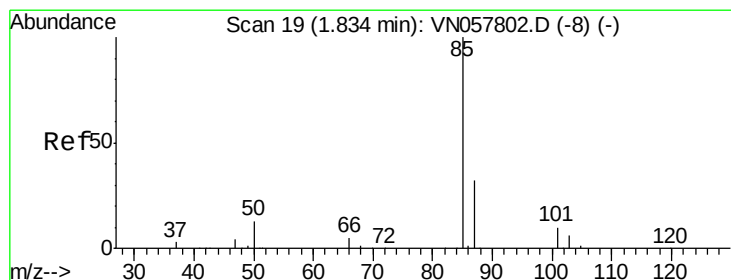
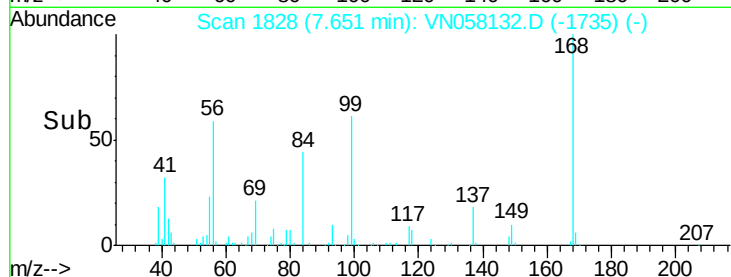
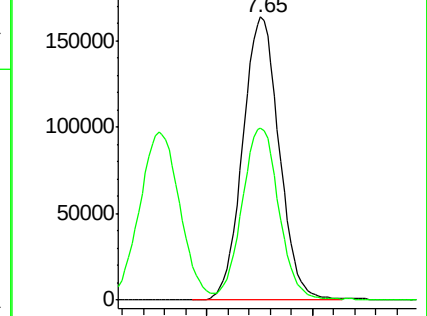
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 44.287 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058132.D

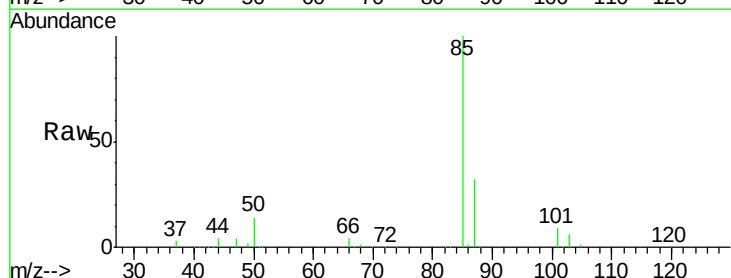
Acq: 16 Sep 2019 20:09

Tgt Ion: 85 Resp: 241210

Ion Ratio Lower Upper

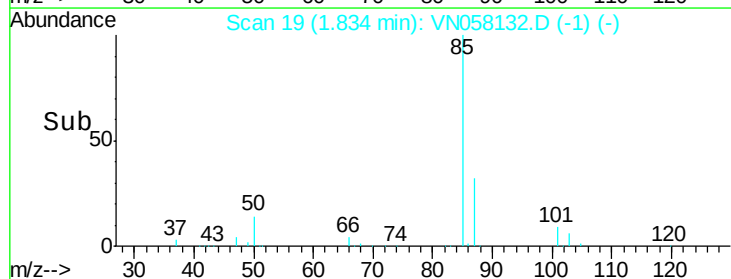
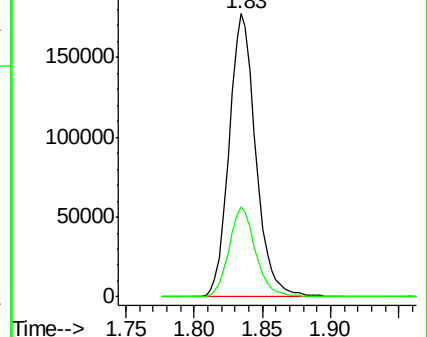
85 100

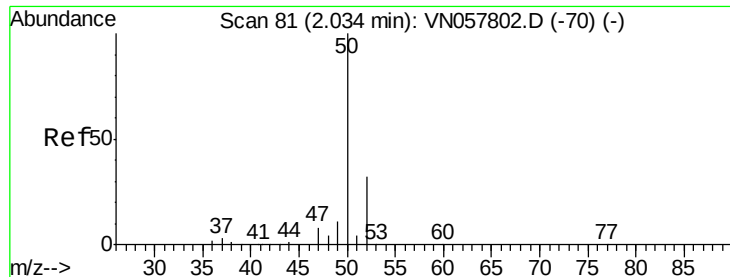
87 31.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 37.488 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.01 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Tot Ion: 50 Resp: 208103

Ion Ratio Lower Upper

50 100

52 32.2 25.5 38.3

Instrument :

MSVOA_N

ClientSampleId :

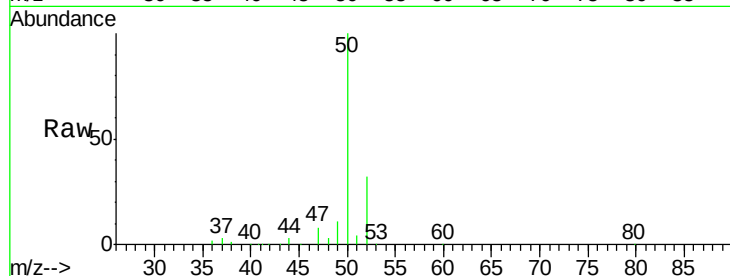
VSTDCCC050EC

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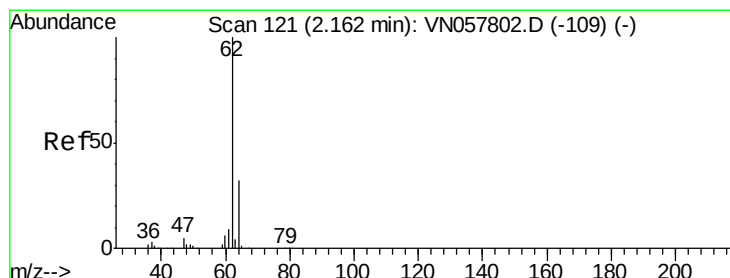
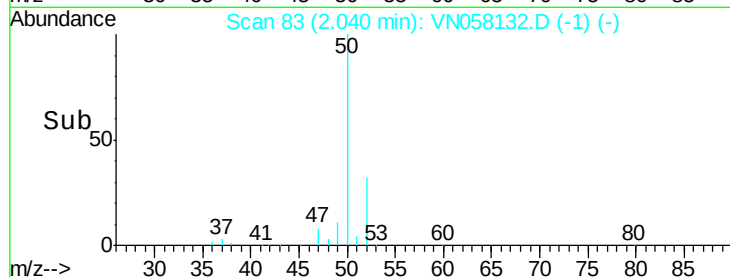
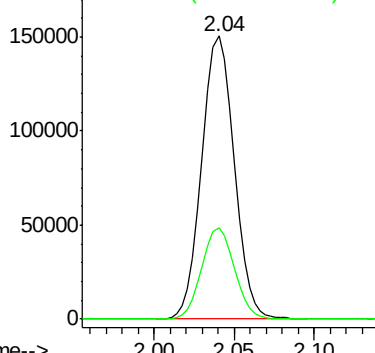
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 36.291 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058132.D

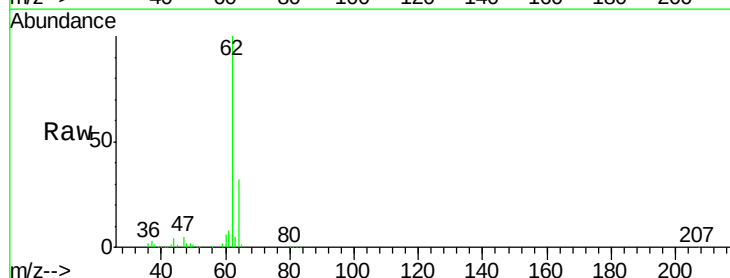
Acq: 16 Sep 2019 20:09

Tgt Ion: 62 Resp: 213217

Ion Ratio Lower Upper

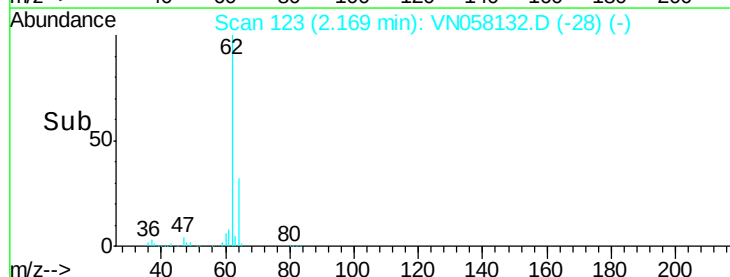
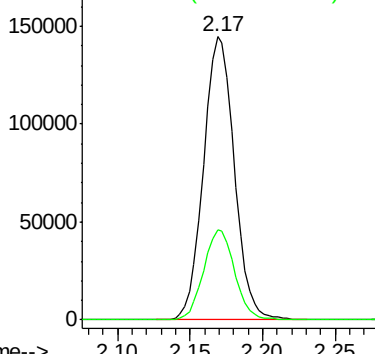
62 100

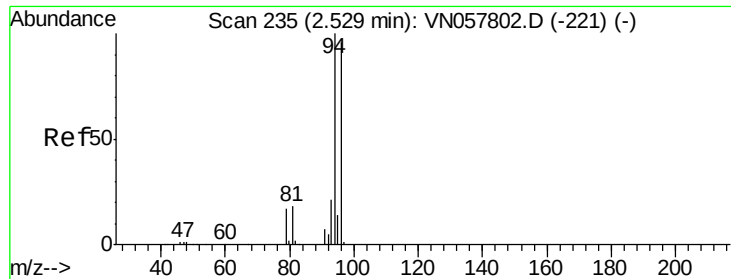
64 31.8 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 40.667 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 132213

Ion Ratio Lower Upper

94 100

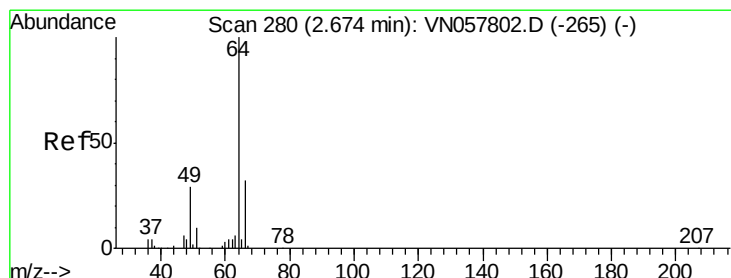
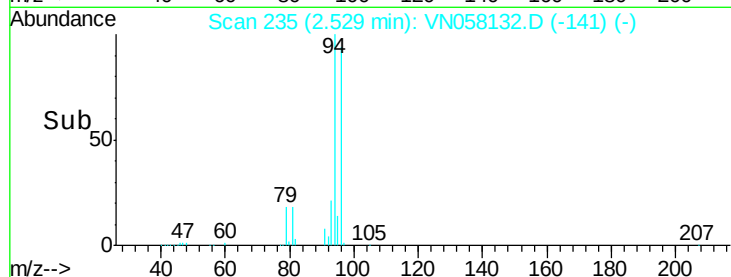
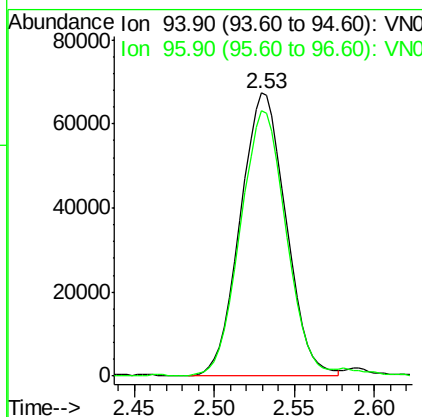
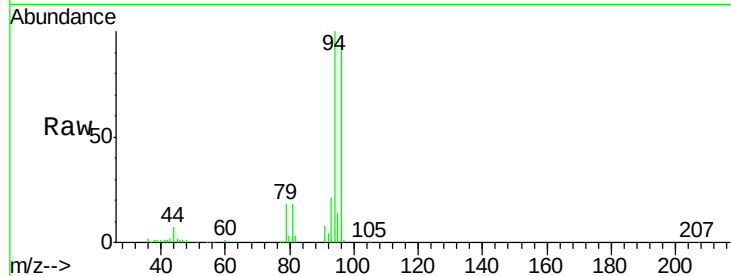
96 93.8 77.0 115.4

Manual Integrations

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#6

Chloroethane

Concen: 36.290 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN058132.D

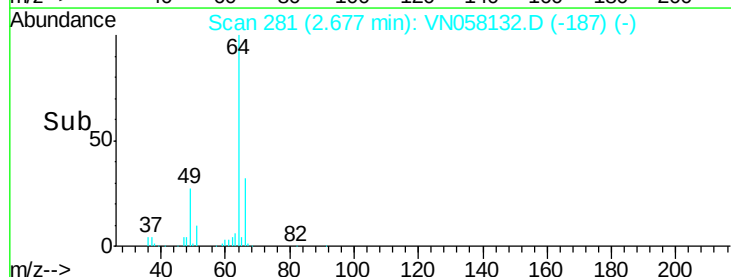
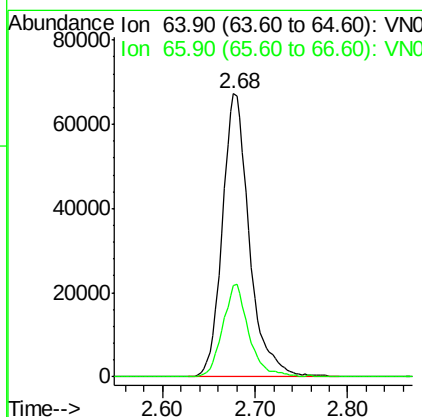
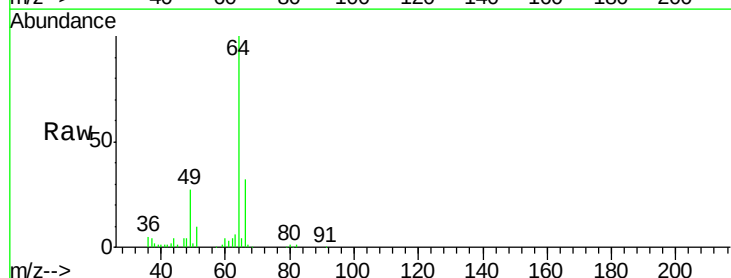
Acq: 16 Sep 2019 20:09

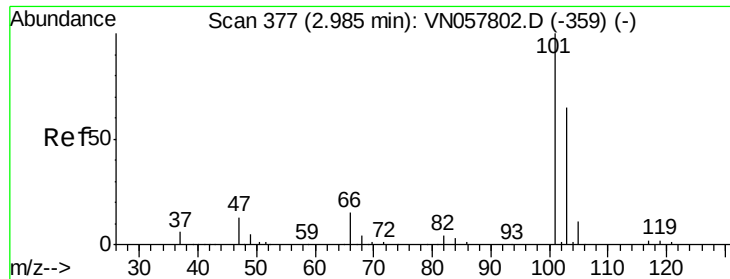
Tgt Ion: 64 Resp: 135862

Ion Ratio Lower Upper

64 100

66 32.2 25.5 38.3





#7

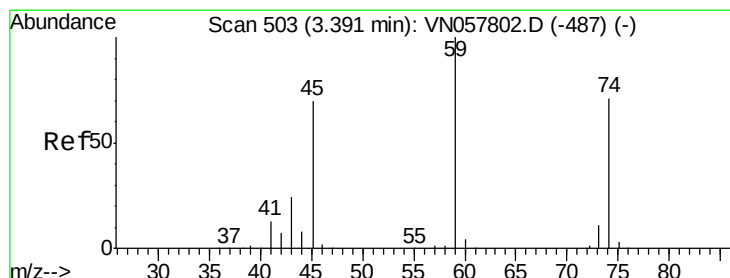
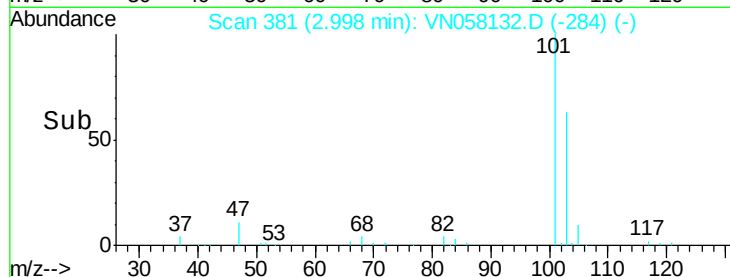
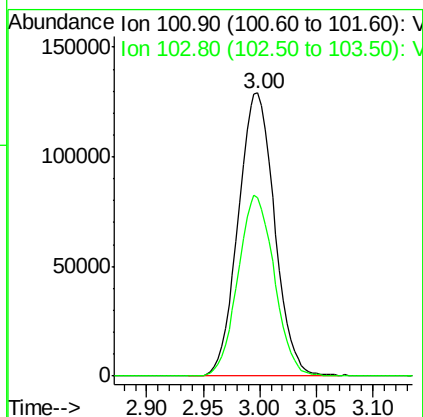
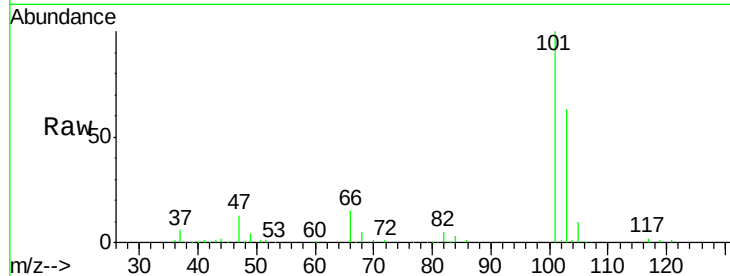
Trichlorofluoromethane
 Concen: 39.106 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	51.9	77.9

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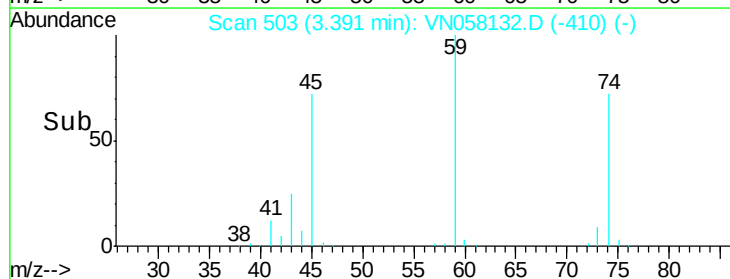
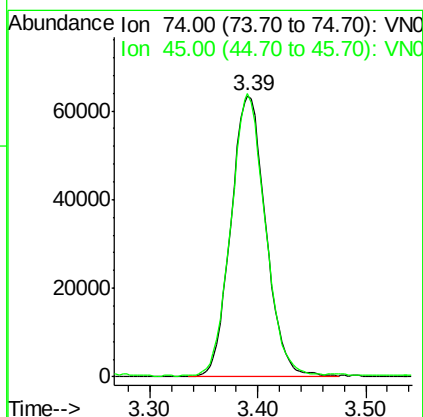
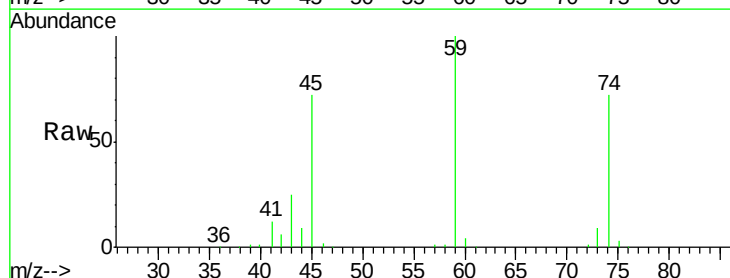
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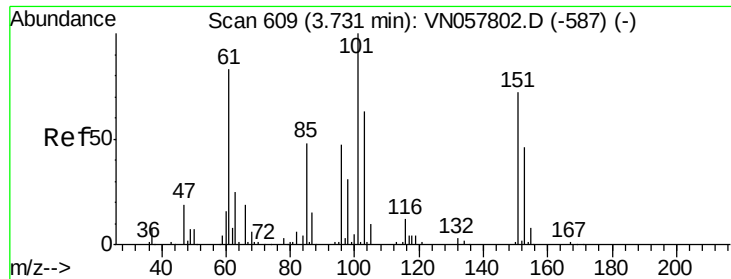


#8

Diethyl Ether
 Concen: 46.344 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.9	50.3	151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.872 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.01 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

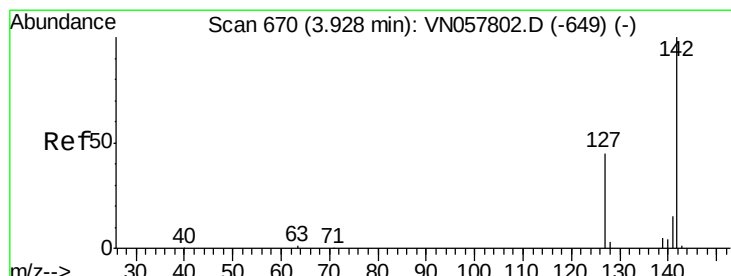
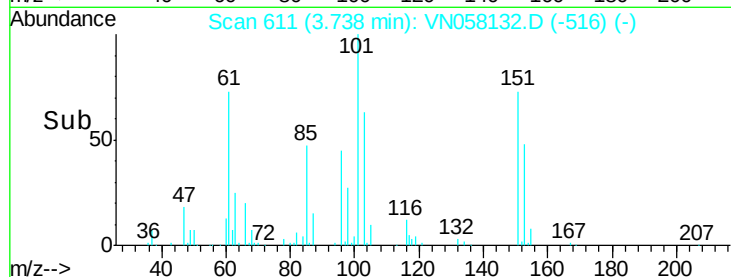
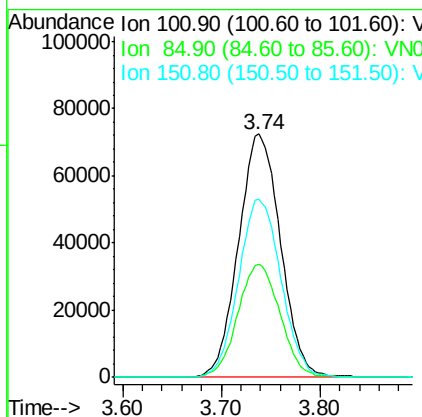
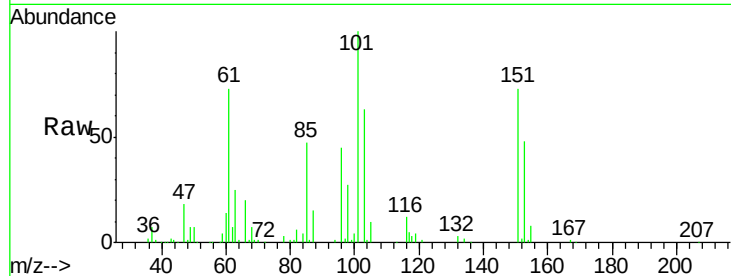
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	213954
Ion Ratio	Lower	Upper	
101	100		
85	46.7	38.1	57.1
151	74.0	58.4	87.6

Manual Integrations
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#10

Methyl Iodide

Concen: 44.588 ug/l

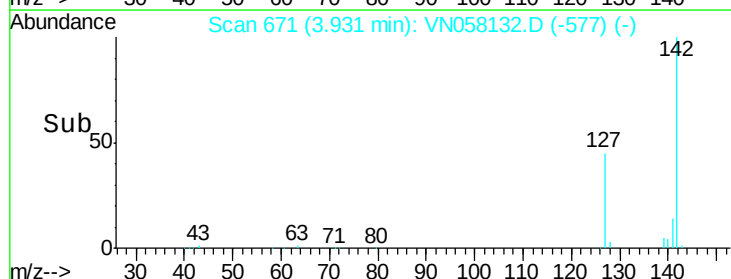
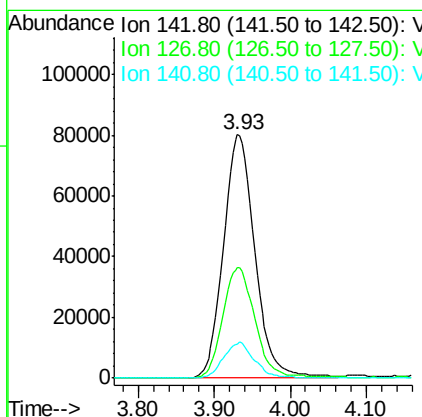
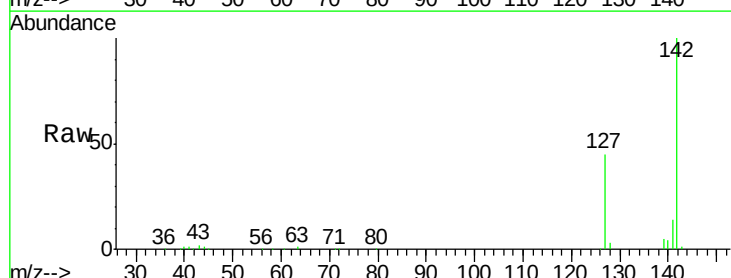
RT: 3.93 min Scan# 671

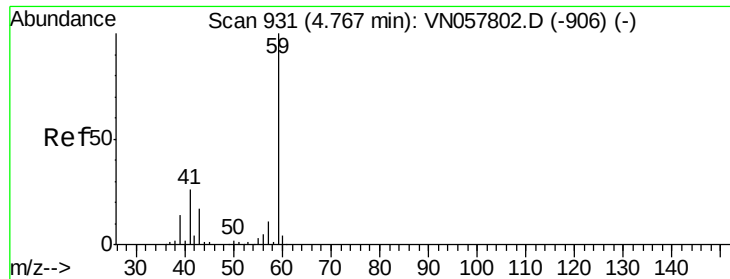
Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Tgt Ion:	142	Resp:	231420
Ion Ratio	Lower	Upper	
142	100		
127	46.5	36.7	55.1
141	14.3	11.4	17.0





#11

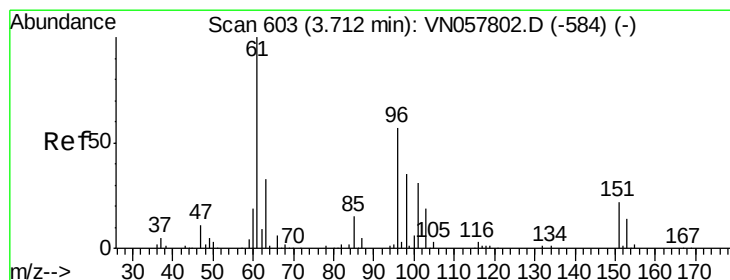
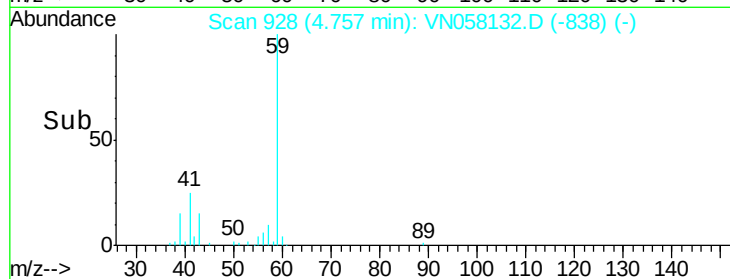
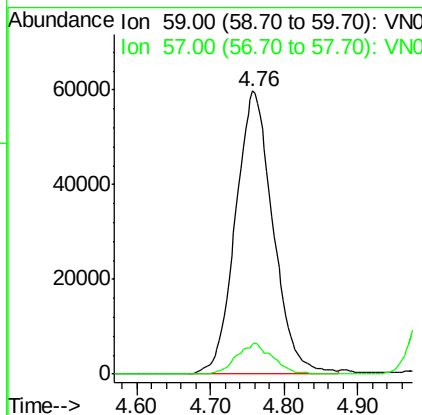
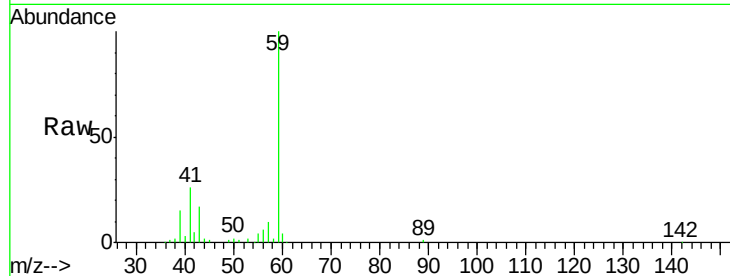
Tert butyl alcohol
Concen: 219.563 ug/l
RT: 4.76 min Scan# 928
Delta R.T. -0.01 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.4	12.6

Manual Integrations
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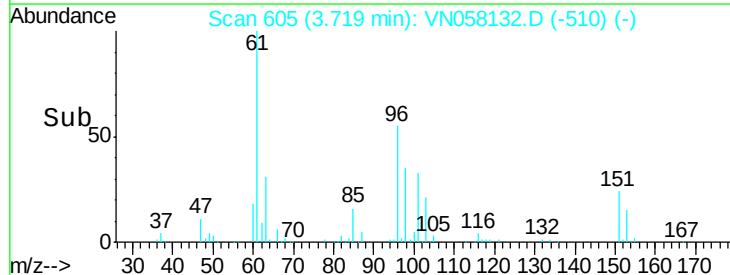
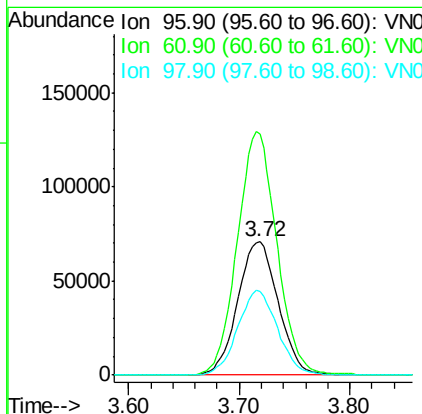
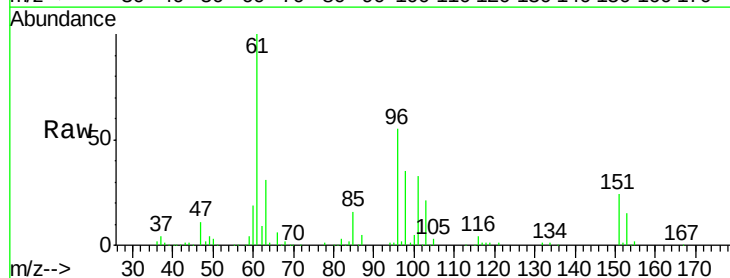
MMDadoda
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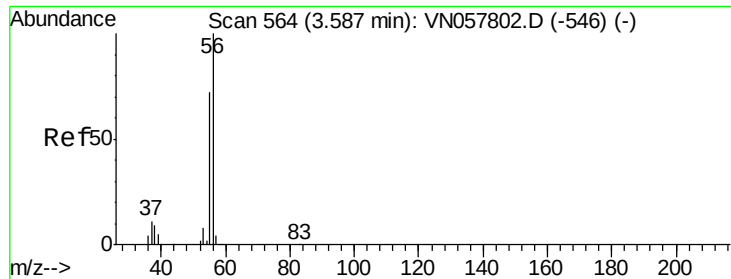


#12

1,1-Dichloroethene
Concen: 42.979 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.01 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	180.9	141.2	211.8
98	63.2	49.9	74.9





#13

Acrolein

Concen: 165.907 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 135890

Ion Ratio Lower Upper

56 100

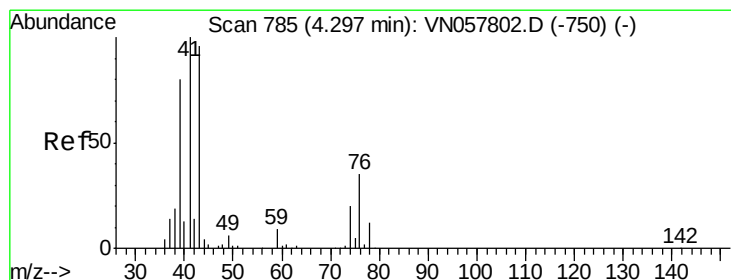
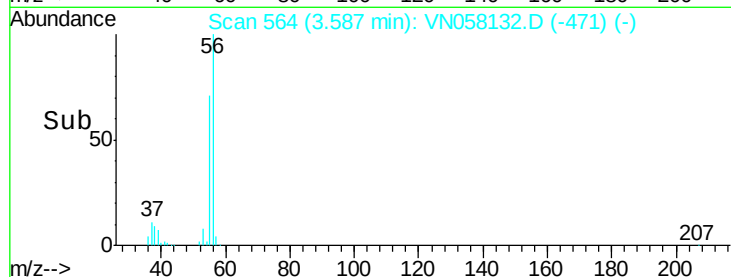
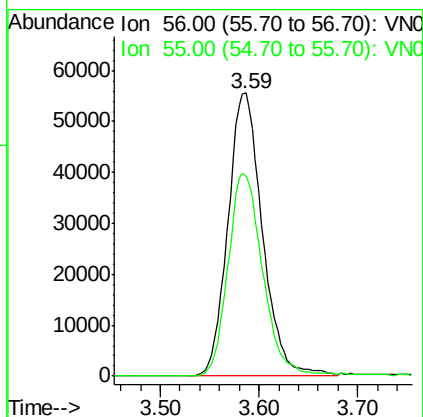
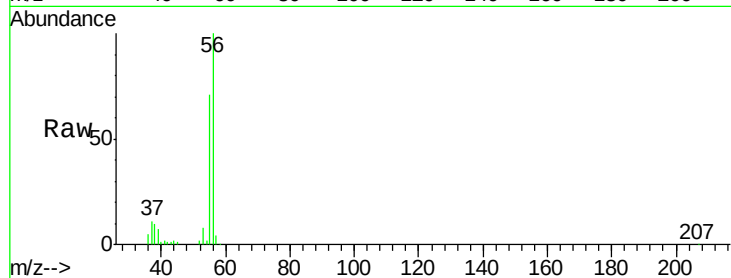
55 71.4 57.3 85.9

Manual Integrations

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#14

Allyl chloride

Concen: 43.815 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

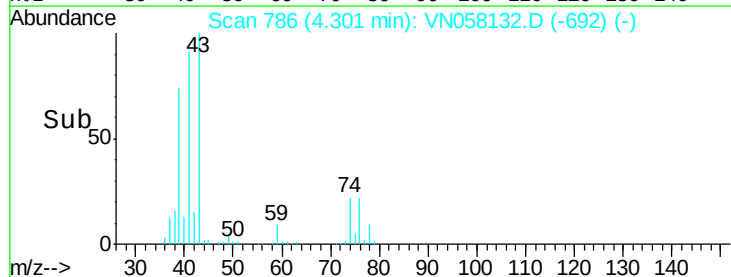
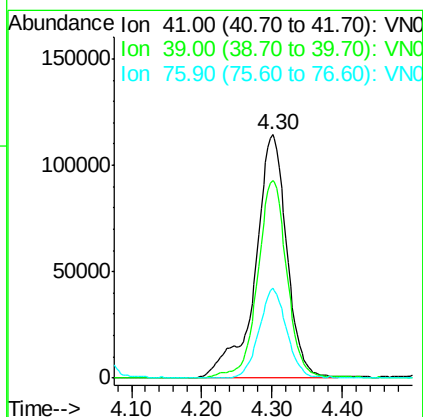
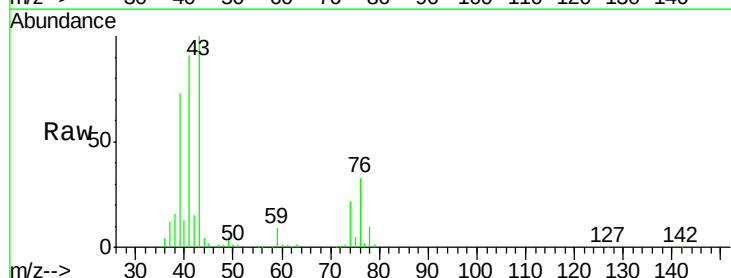
Tgt Ion: 41 Resp: 359582

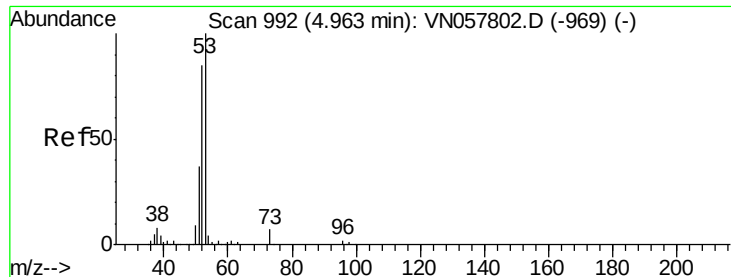
Ion Ratio Lower Upper

41 100

39 75.0 59.4 89.2

76 31.9 26.0 39.0





#15

Acrylonitrile

Concen: 240.088 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

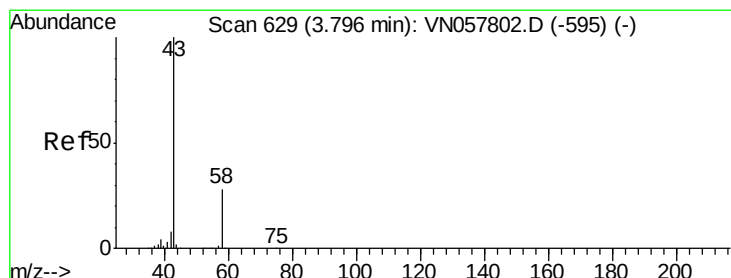
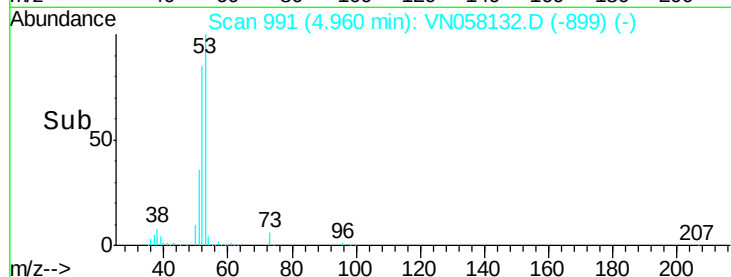
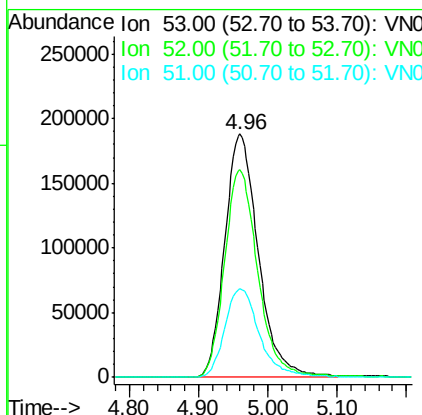
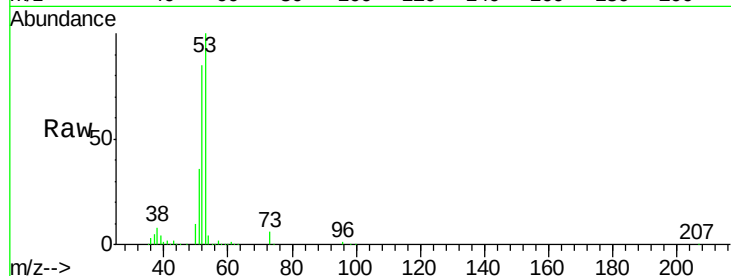
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	637098
Ion Ratio	Lower	Upper	
53	100		
52	84.0	66.6	100.0
51	37.4	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 200.579 ug/l

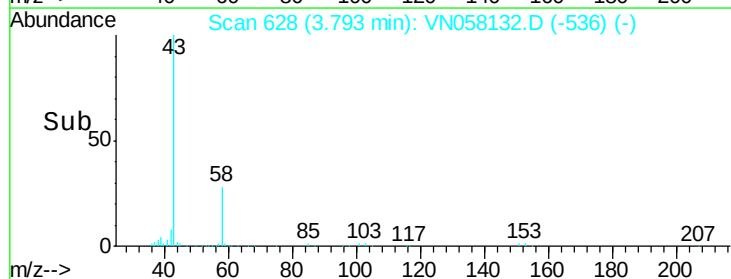
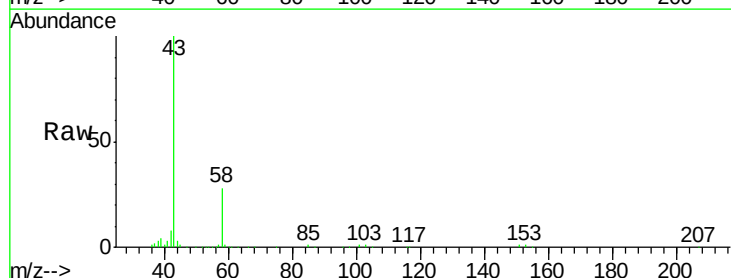
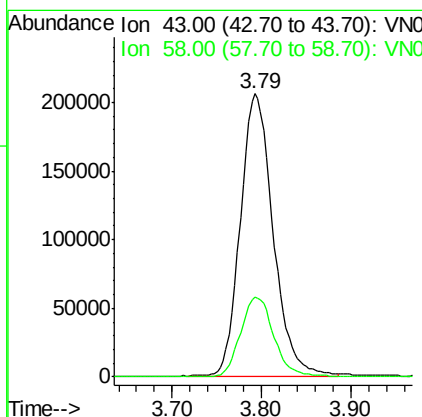
RT: 3.79 min Scan# 628

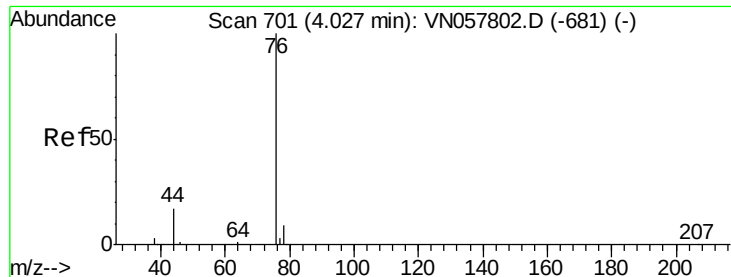
Delta R.T. -0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Tgt Ion:	43	Resp:	524498
Ion Ratio	Lower	Upper	
43	100		
58	28.2	22.2	33.2





#17

Carbon Disulfide

Concen: 37.934 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.01 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Tot Ion: 76 Resp: 247342

Ion Ratio Lower Upper

76 100

78 8.7 7.1 10.7

Instrument :

MSVOA_N

ClientSampleId :

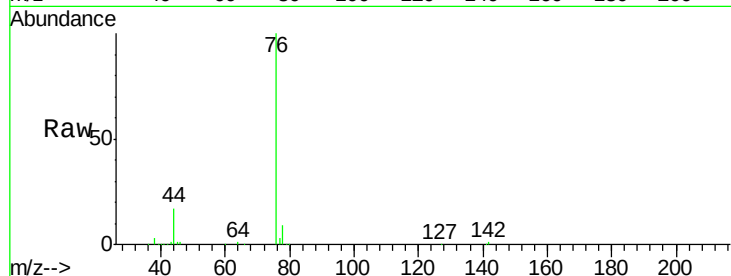
VSTDCCC050EC

Manual Integrations

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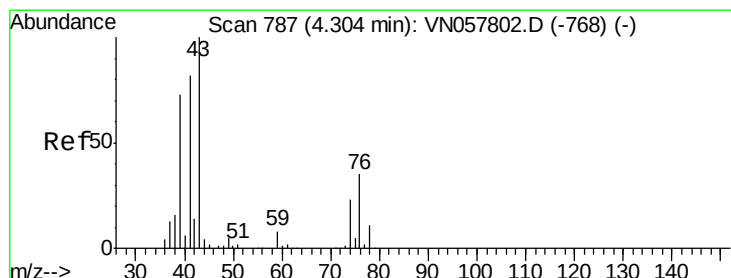
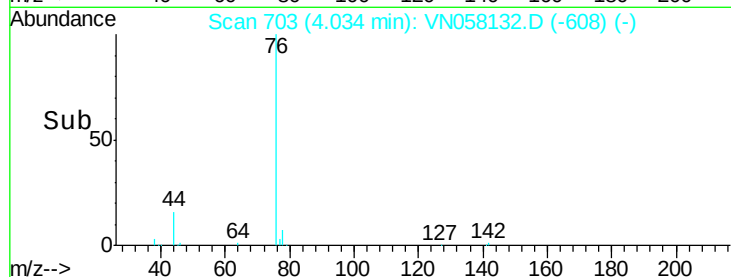
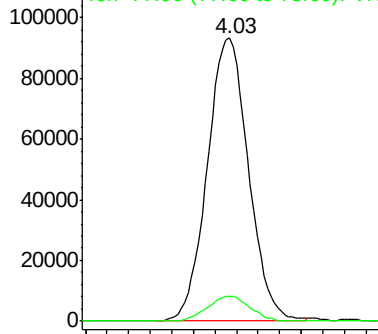
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 51.568 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058132.D

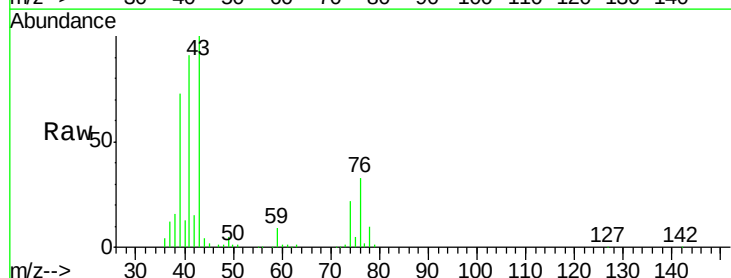
Acq: 16 Sep 2019 20:09

Tgt Ion: 43 Resp: 359537

Ion Ratio Lower Upper

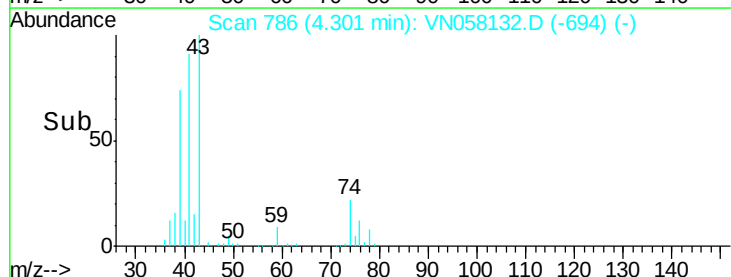
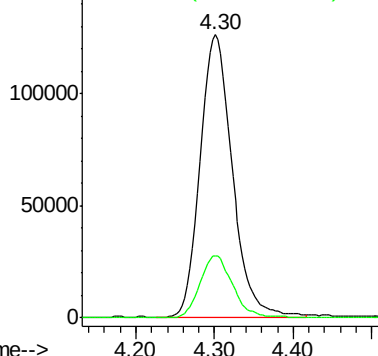
43 100

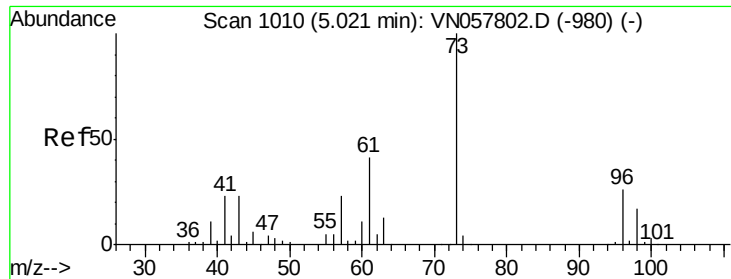
74 22.6 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





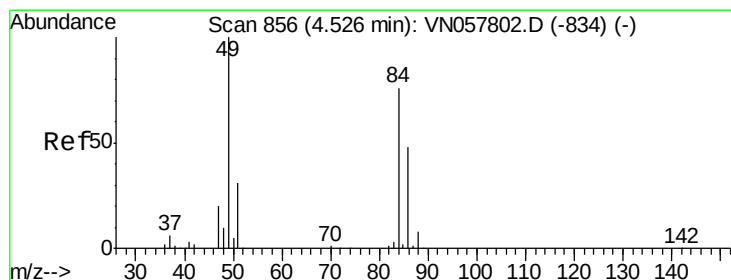
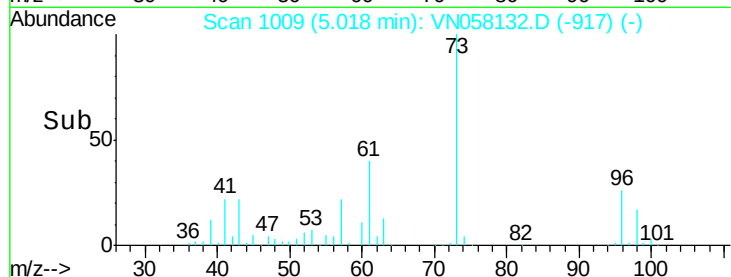
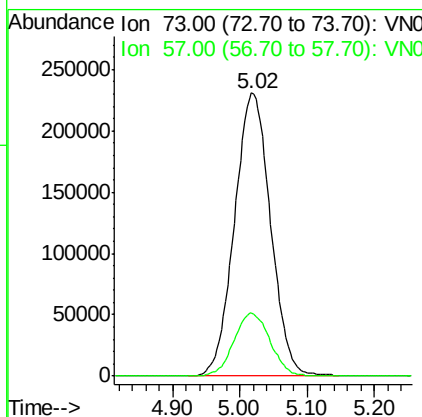
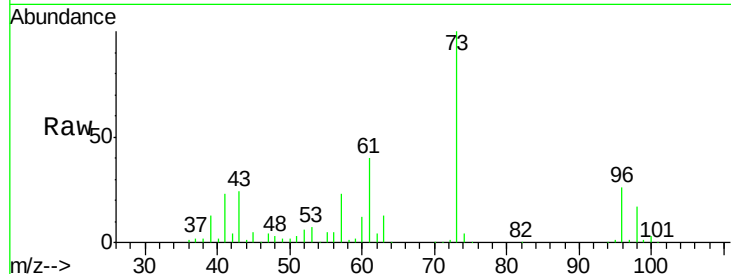
#19
Methyl tert-butyl Ether
Concen: 49.272 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 859910
Ion Ratio Lower Upper
73 100
57 22.5 18.2 27.2

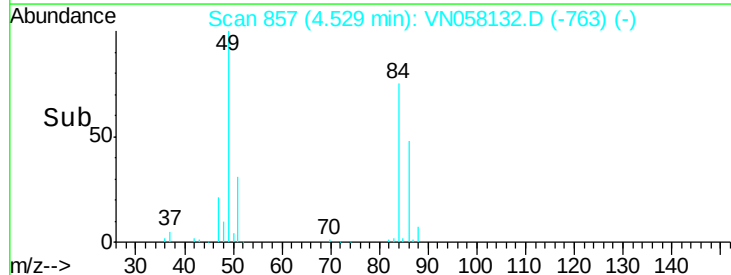
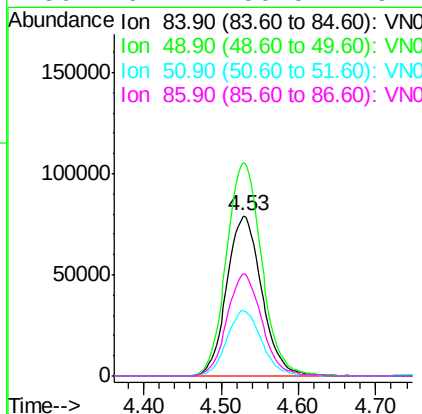
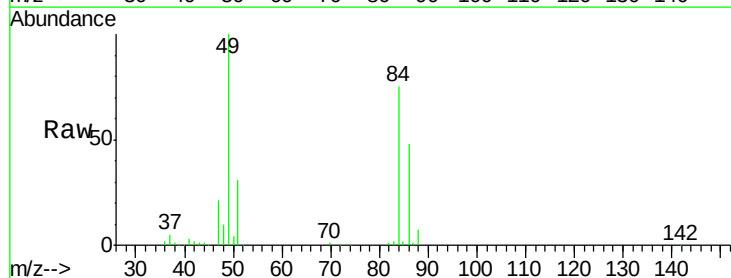
Manual Integrations
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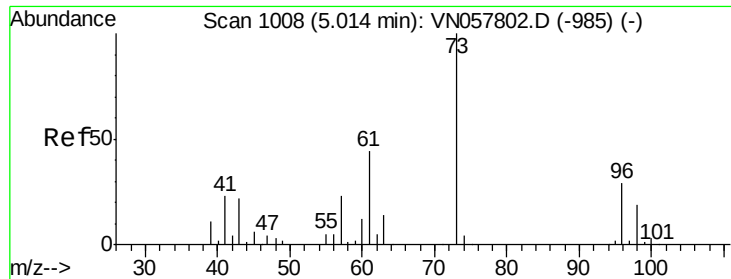
MMDadoda
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#20
Methylene Chloride
Concen: 50.006 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Tgt Ion: 84 Resp: 248934
Ion Ratio Lower Upper
84 100
49 133.2 104.8 157.2
51 41.1 33.0 49.4
86 64.1 50.5 75.7





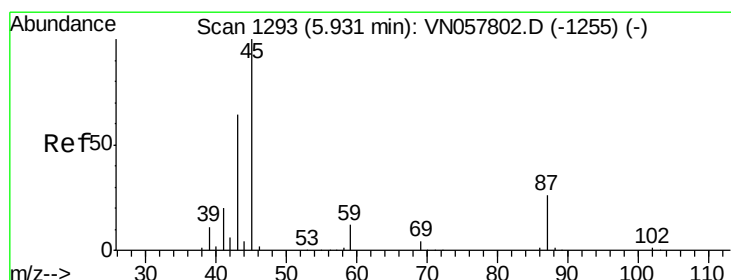
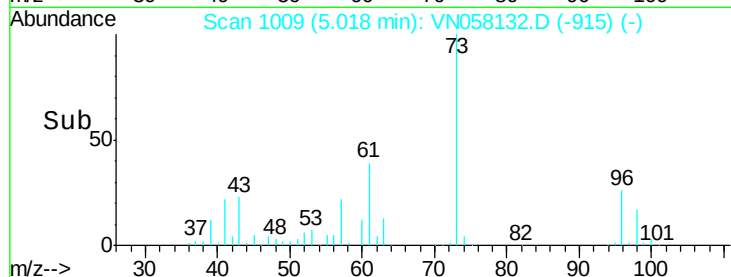
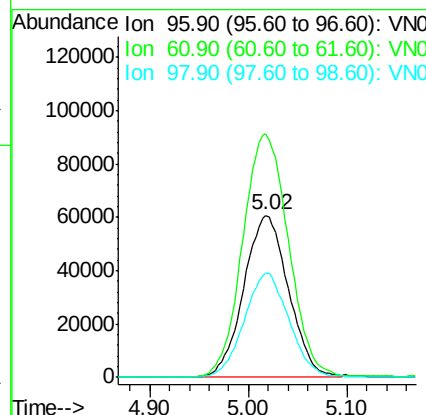
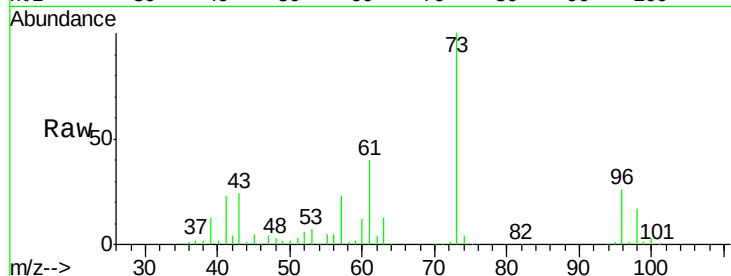
#21
trans-1,2-Dichloroethene
Concen: 42.114 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.9	121.9	182.9
98	64.1	52.2	78.4

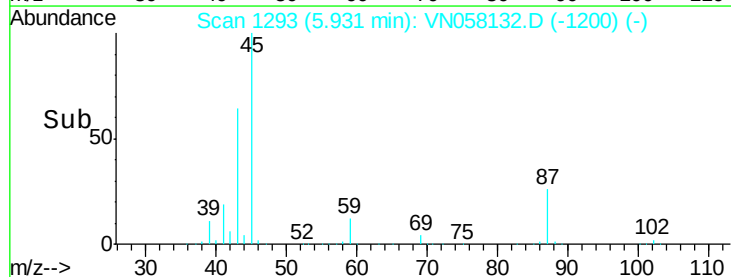
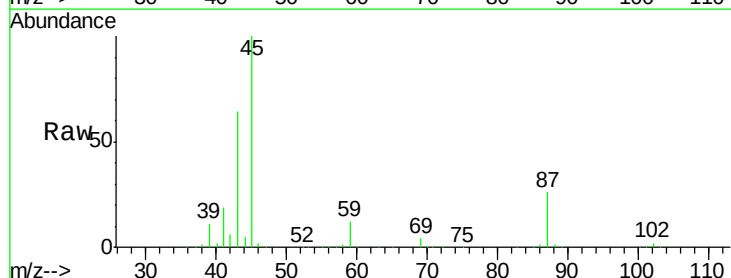
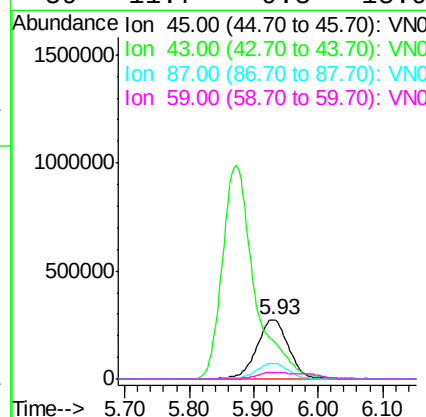
Manual Integrations
APPROVED

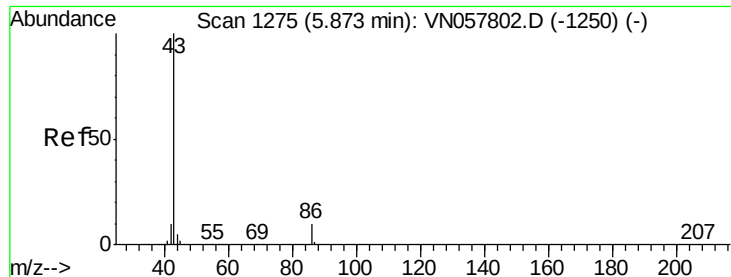
MMDadoda
9/18/2019 2:56:43 PM



#22
Diisopropyl ether
Concen: 49.251 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.1	51.4	77.2
87	26.3	21.3	31.9
59	11.7	9.3	13.9





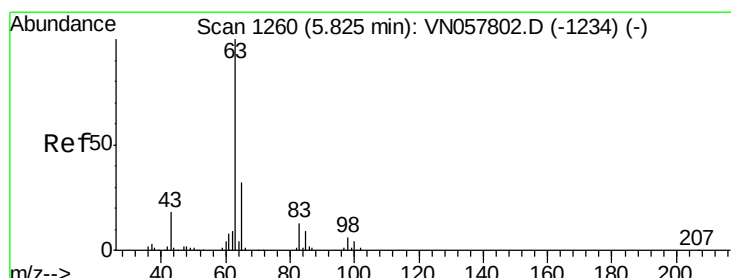
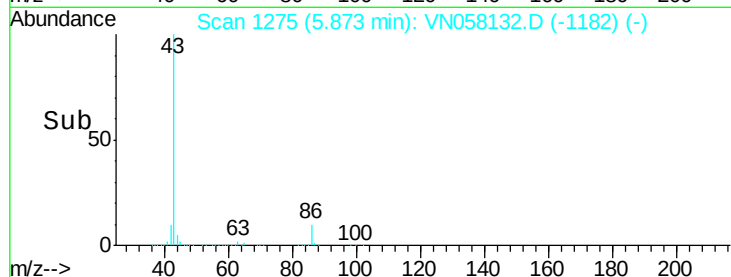
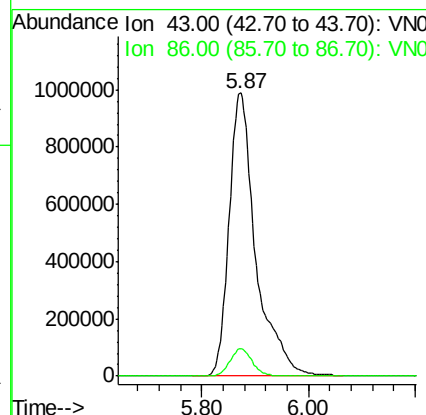
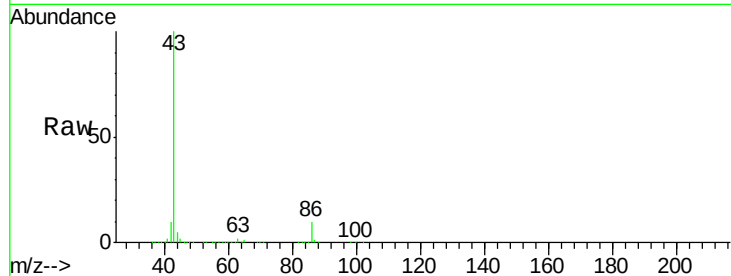
#23
 Vinyl Acetate
 Concen: 252.570 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 3444951
 Ion Ratio Lower Upper
 43 100
 86 9.6 7.7 11.5

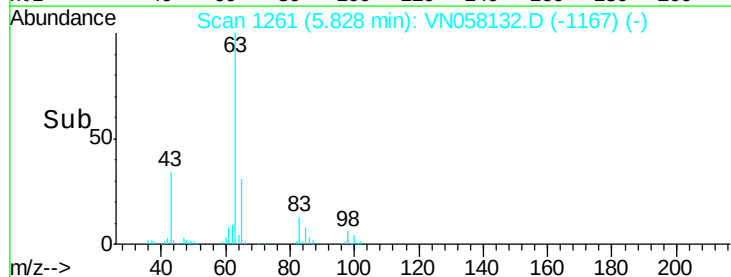
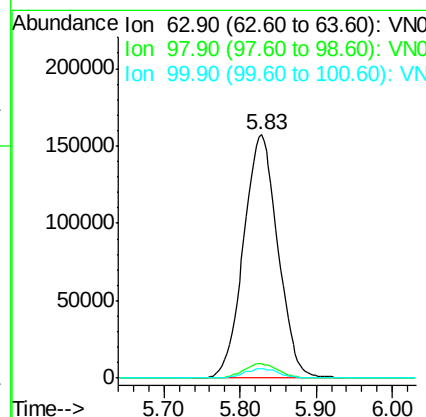
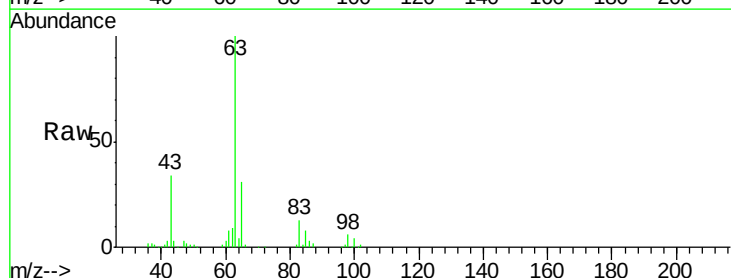
Manual Integrations
 APPROVED

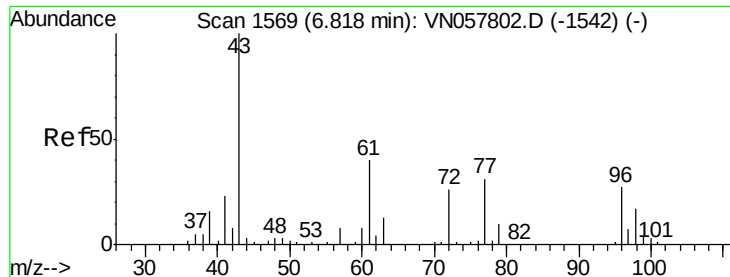
MMDadoda
 9/18/2019 2:56:43 PM



#24
 1,1-Dichloroethane
 Concen: 46.925 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

Tgt Ion: 63 Resp: 493576
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.0 9.2
 100 4.0 2.0 5.8





#25

2-Butanone

Concen: 228.636 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 865320

Ion Ratio Lower Upper

43 100

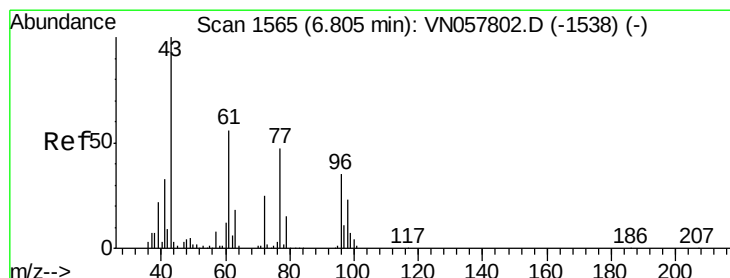
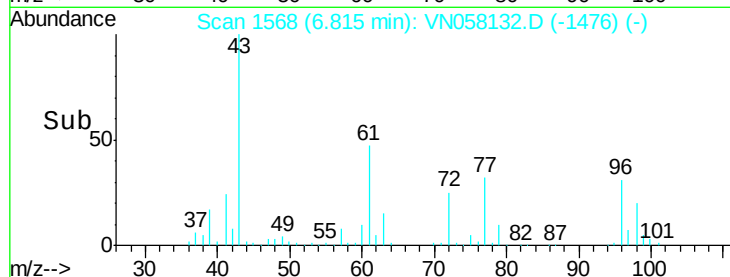
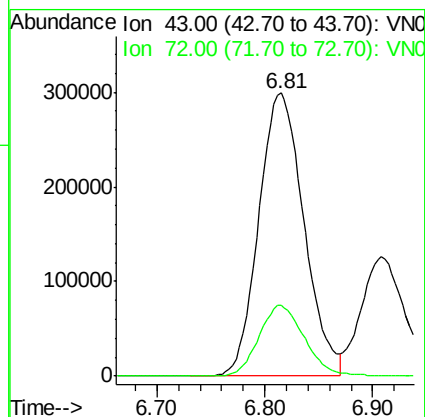
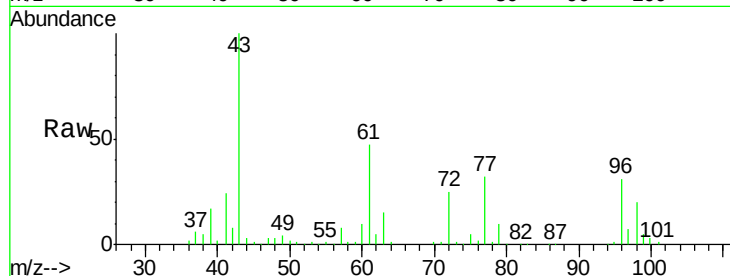
72 25.0 20.6 30.8

Manual Integrations

APPROVED

MMDadoda

9/18/2019 2:56:43 PM



#26

2,2-Dichloropropane

Concen: 42.024 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058132.D

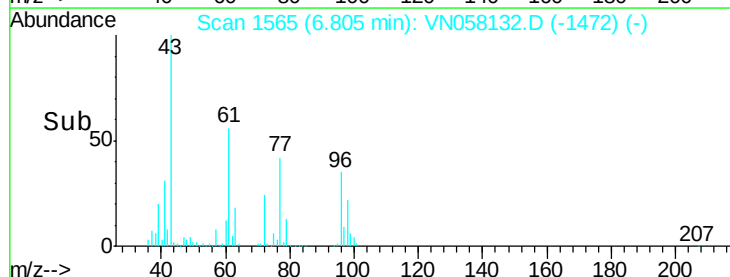
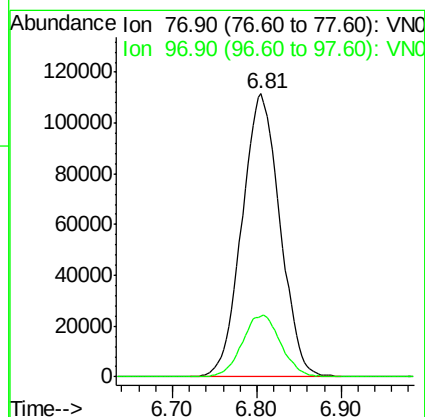
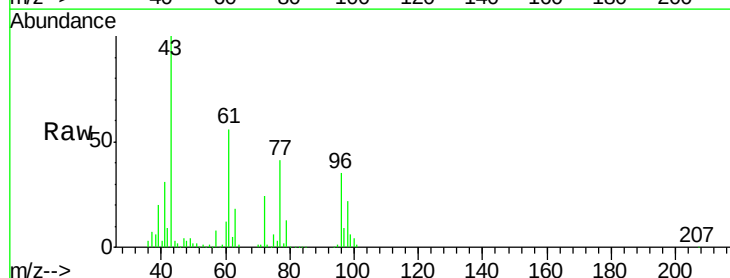
Acq: 16 Sep 2019 20:09

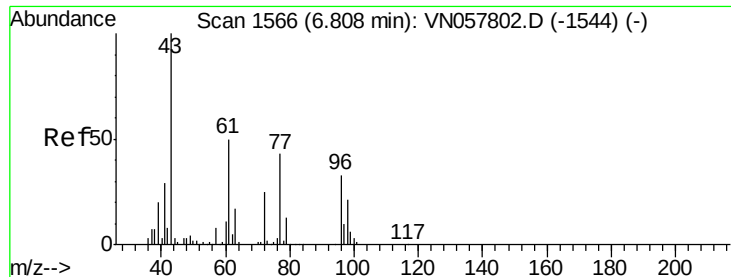
Tgt Ion: 77 Resp: 349811

Ion Ratio Lower Upper

77 100

97 22.1 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 45.887 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

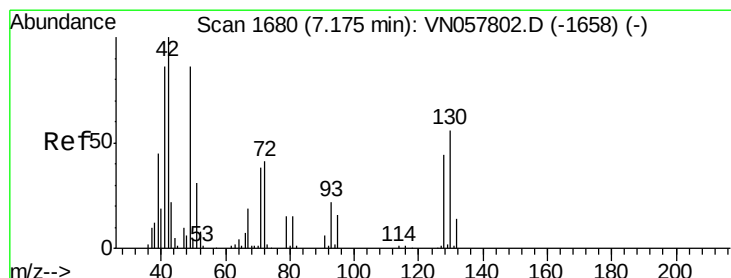
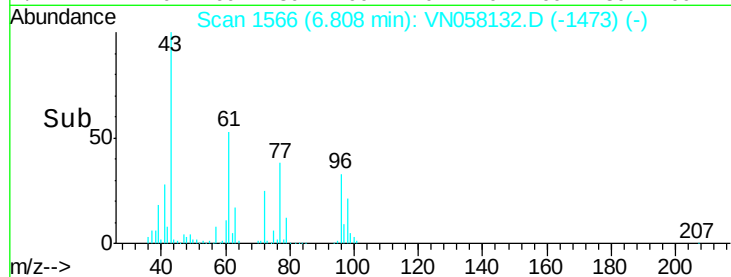
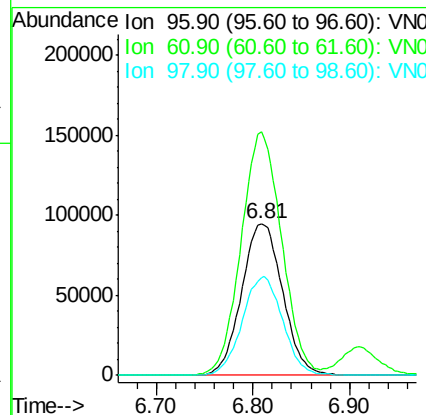
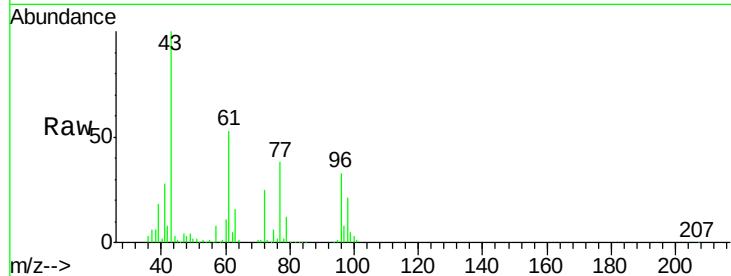
VSTDCCC050EC

Tot Ion: 96 Resp: 278773

Ion	Ratio	Lower	Upper
96	100		
61	158.8	0.0	314.0
98	64.5	0.0	128.6

Manual Integrations
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#28

Bromochloromethane

Concen: 45.994 ug/l

RT: 7.18 min Scan# 1681

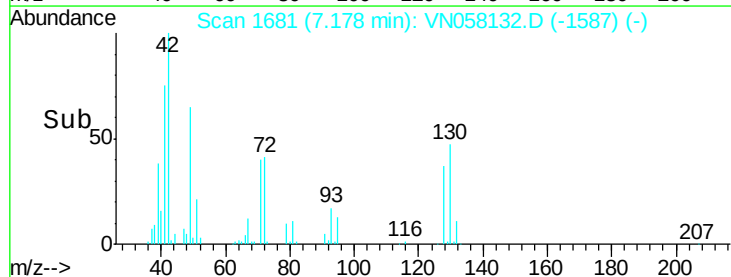
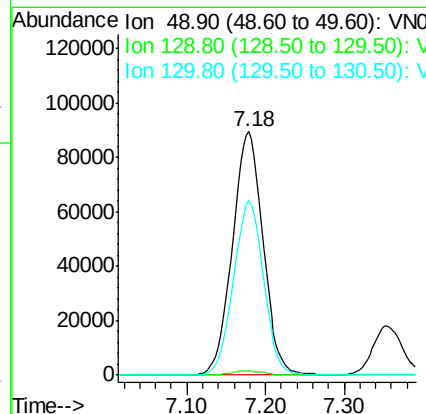
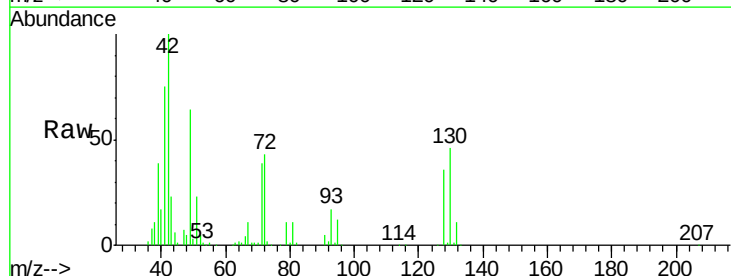
Delta R.T. 0.00 min

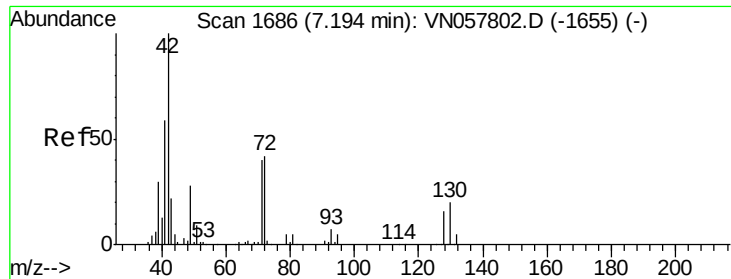
Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Tgt Ion: 49 Resp: 241692

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	70.3	53.0	79.6





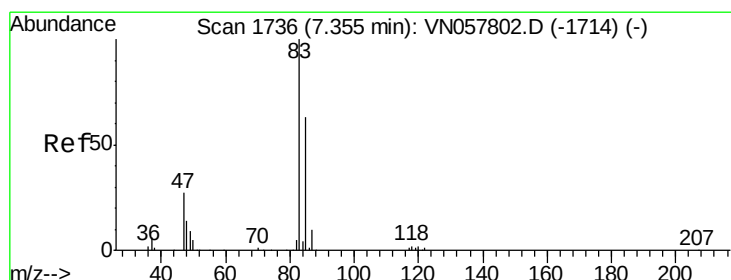
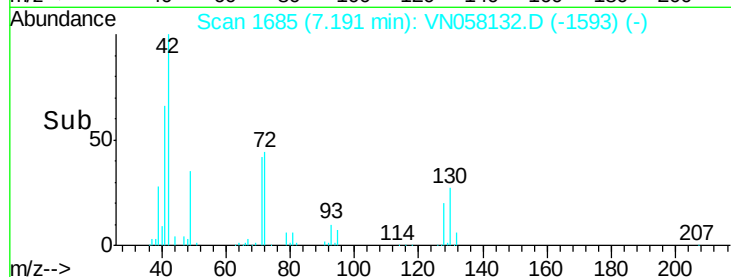
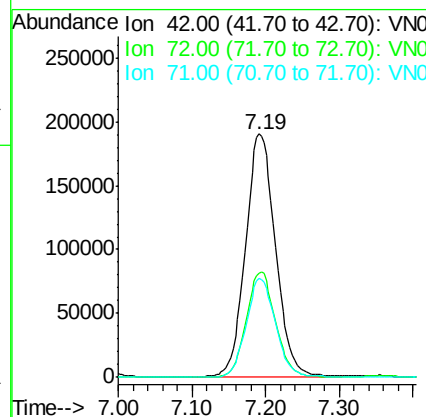
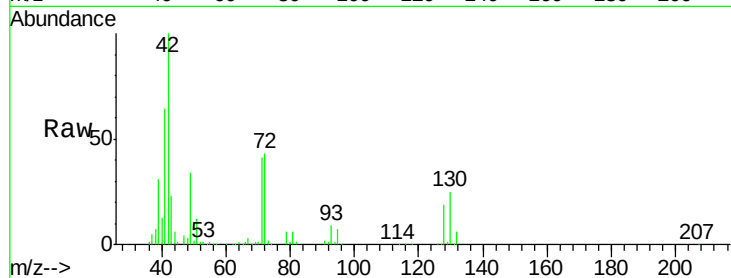
#29
Tetrahydrofuran
Concen: 231.311 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	33.7	50.5
71	39.6	31.9	47.9

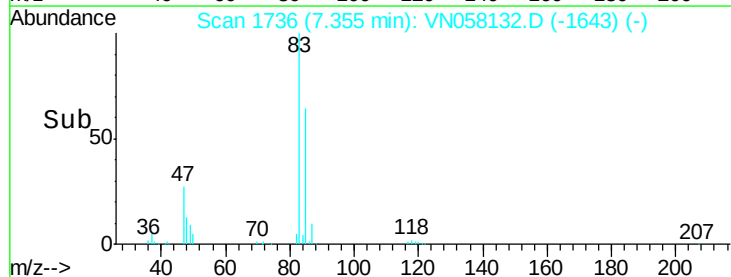
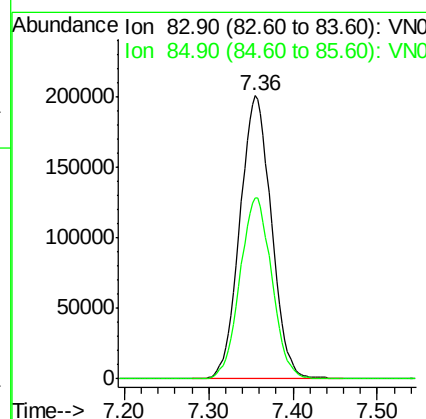
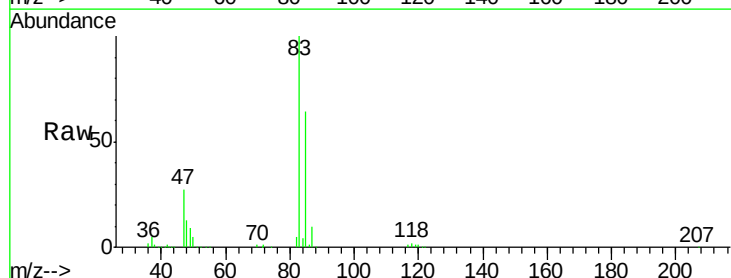
Manual Integrations
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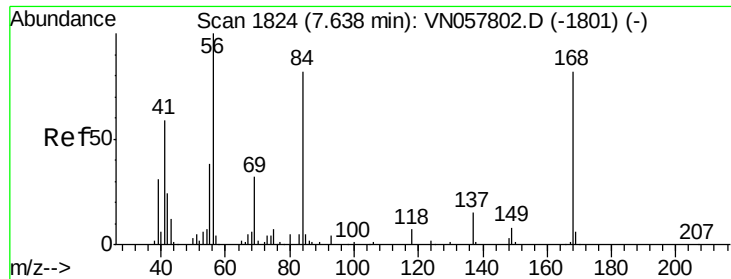
MMDadoda
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#30
Chloroform
Concen: 47.504 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.6	75.8





#31

Cyclohexane

Concen: 45.289 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

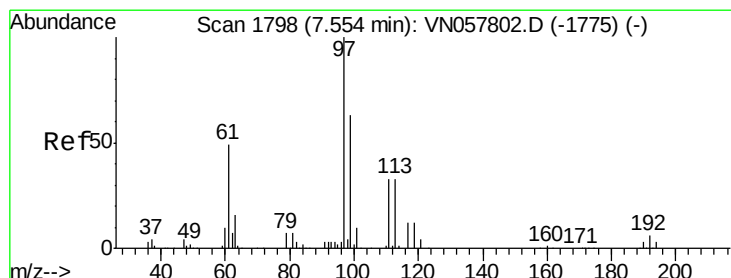
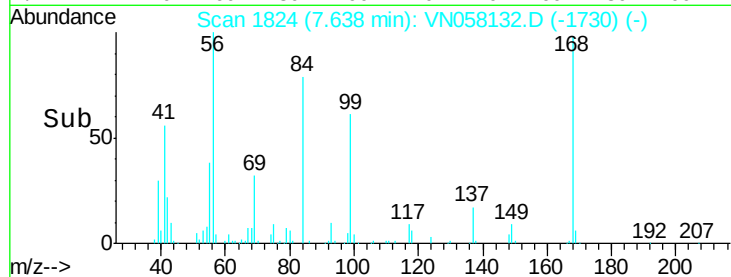
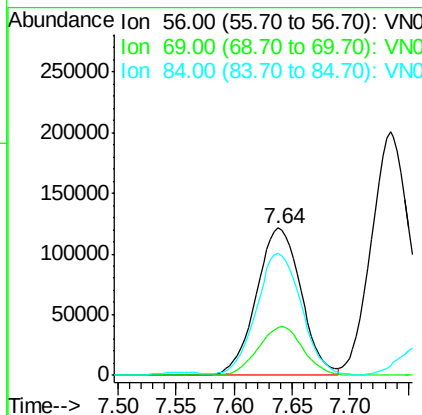
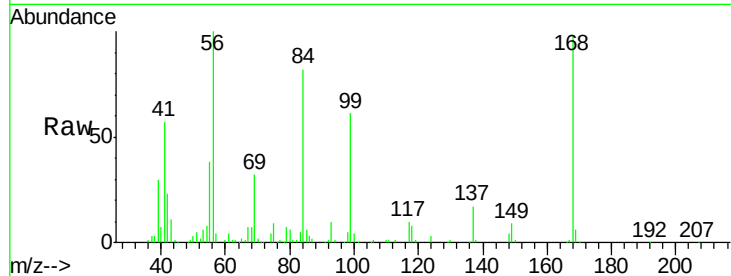
ClientSampleID :

VSTDCCC050EC

Tot Ion:	56	Resp:	326136
Ion Ratio		Lower	Upper
56	100		
69	32.4	25.9	38.9
84	80.4	65.6	98.4

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 47.310 ug/l

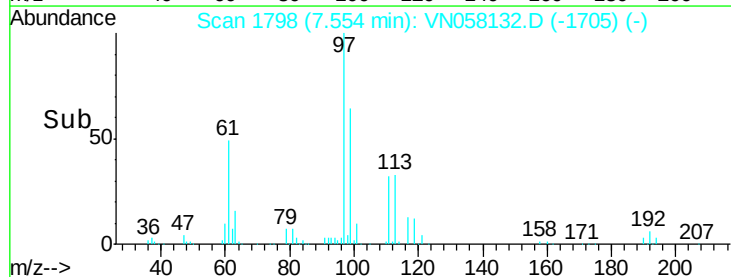
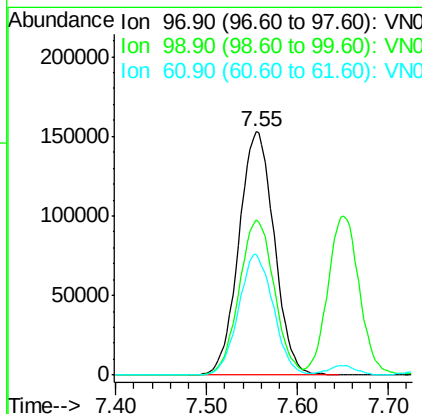
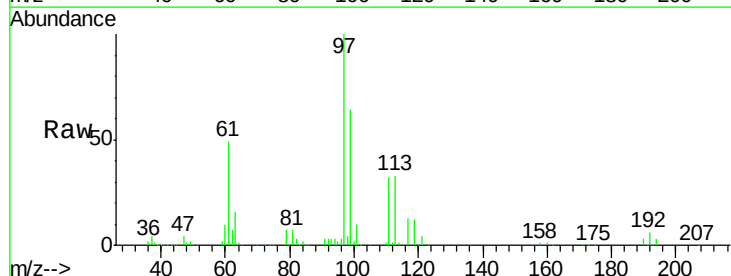
RT: 7.55 min Scan# 1798

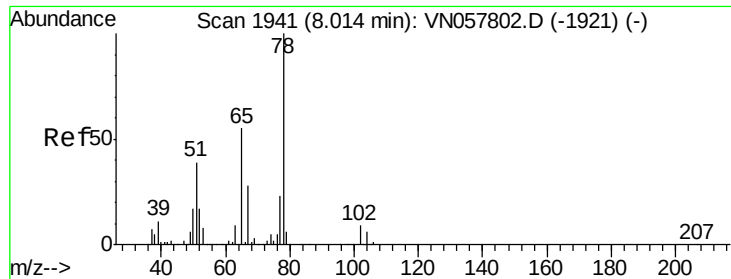
Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Tgt Ion:	97	Resp:	412660
Ion Ratio		Lower	Upper
97	100		
99	63.3	51.0	76.4
61	48.8	39.0	58.6





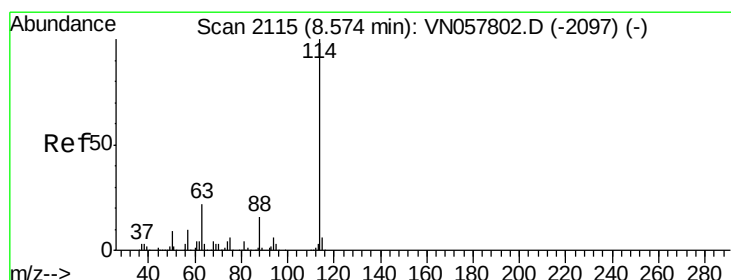
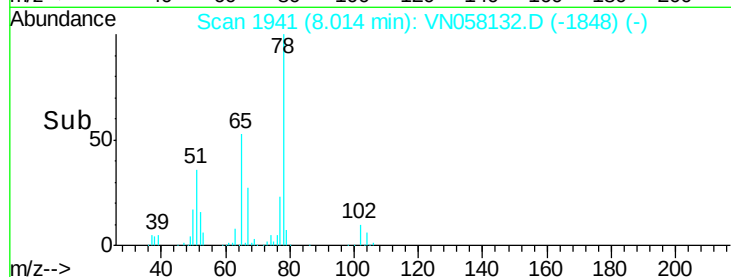
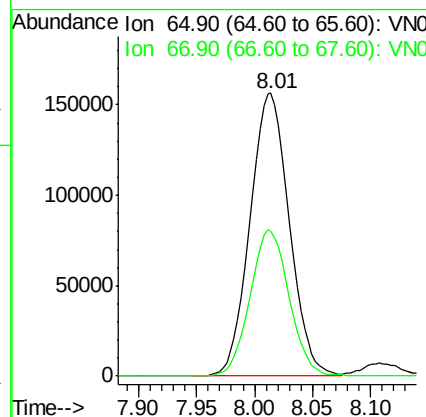
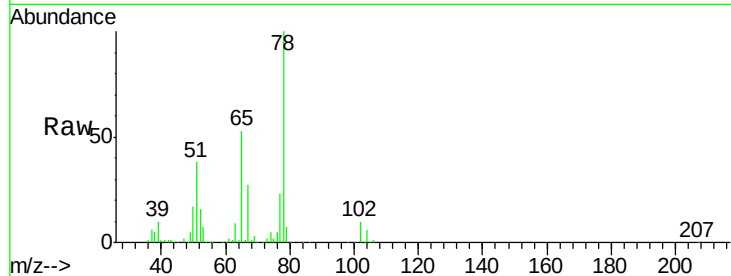
#33
 1,2-Dichloroethane-d4
 Concen: 46.364 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	369834		
67	51.4	0.0	104.0	

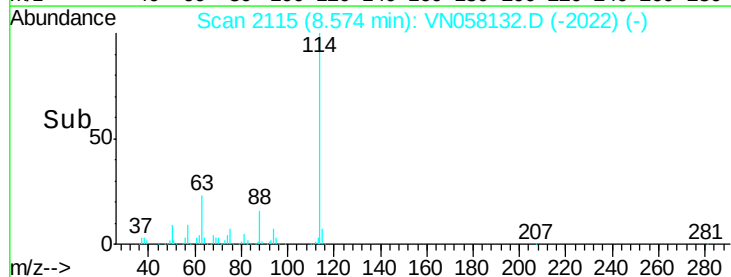
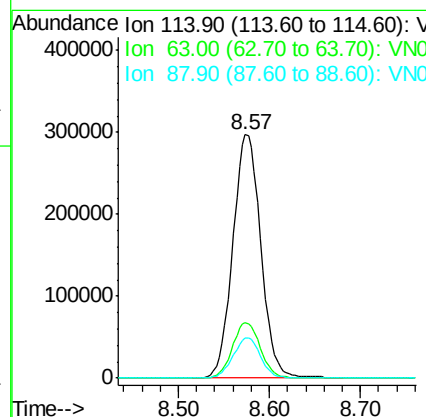
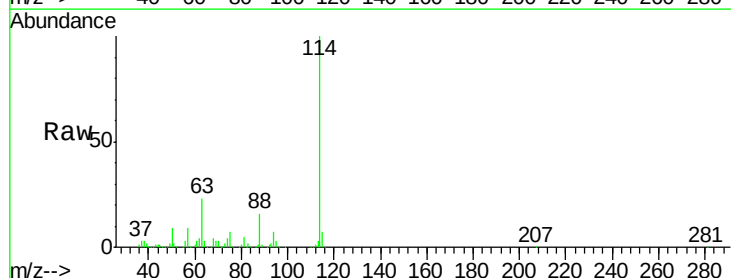
Manual Integrations
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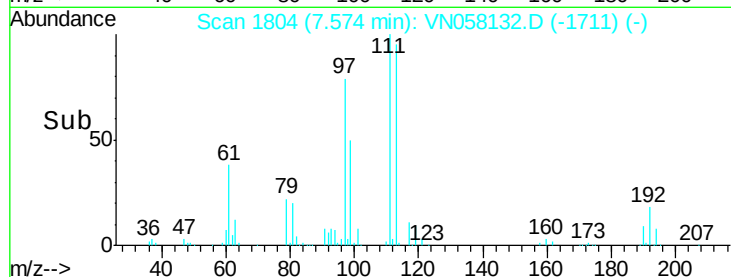
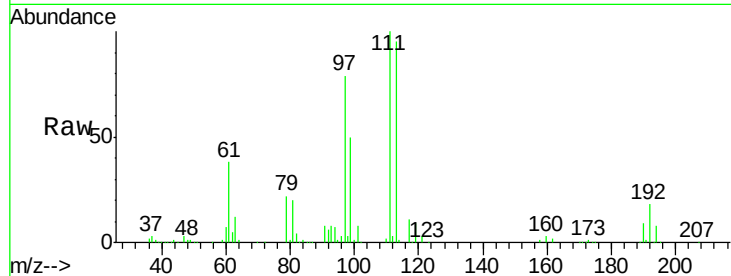
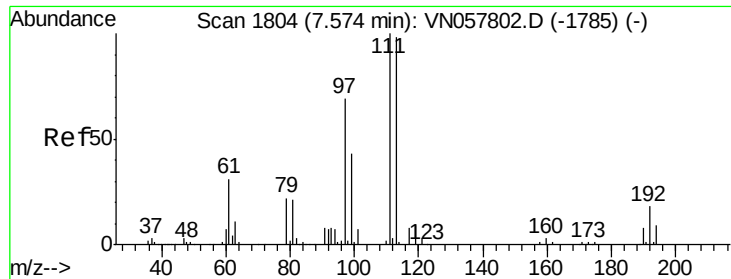
MMDadoda
 9/18/2019 2:56:43 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	635270		
63	22.7	0.0	44.0	
88	16.2	0.0	31.4	





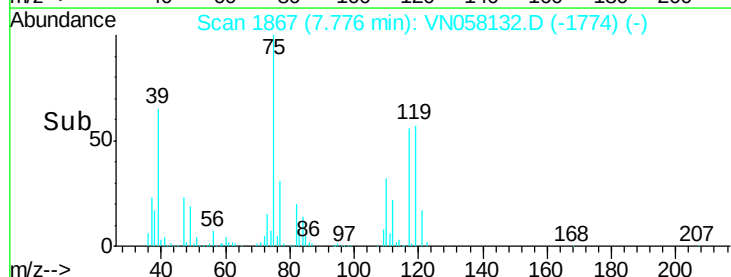
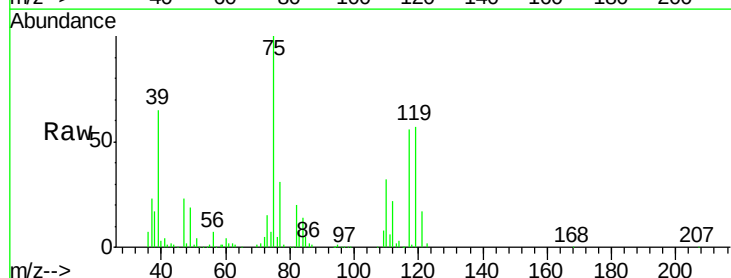
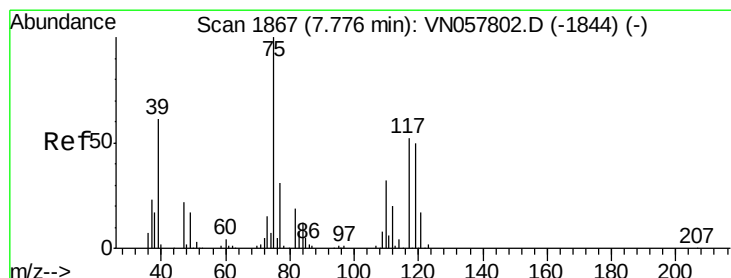
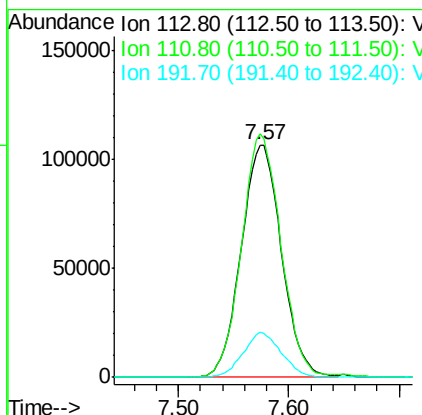
#35
Dibromofluoromethane
Concen: 46.146 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Tot Ion	Ratio	Resp	Lower	Upper
113	100	270568		
111	103.2	81.3	121.9	
192	18.6	14.6	22.0	

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

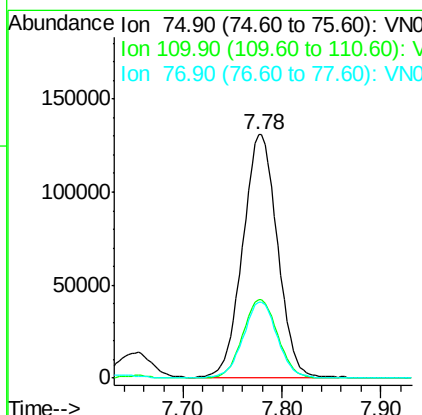
Manual Integrations
APPROVED

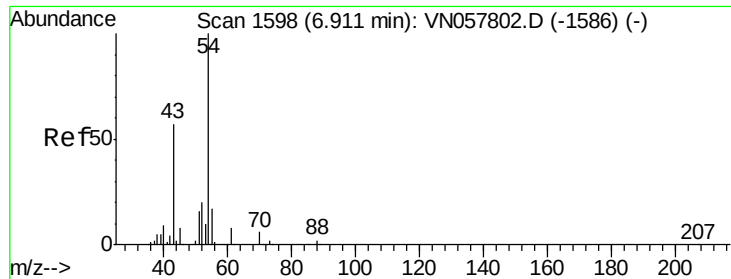
MMDadoda
9/18/2019 2:56:43 PM



#36
1,1-Dichloropropene
Concen: 43.013 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	316899		
110	32.6	16.3	48.9	
77	31.1	25.0	37.4	





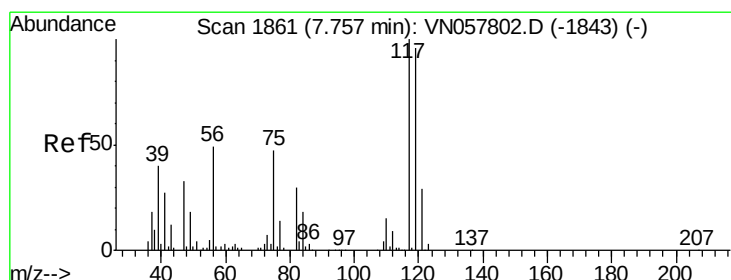
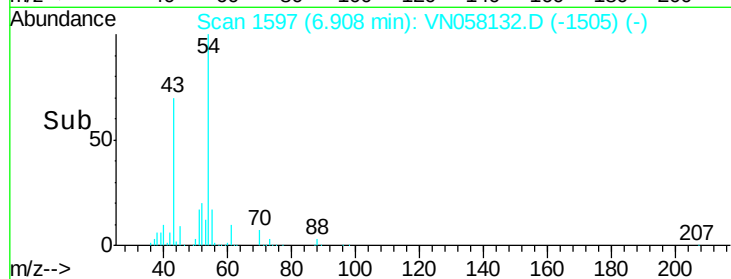
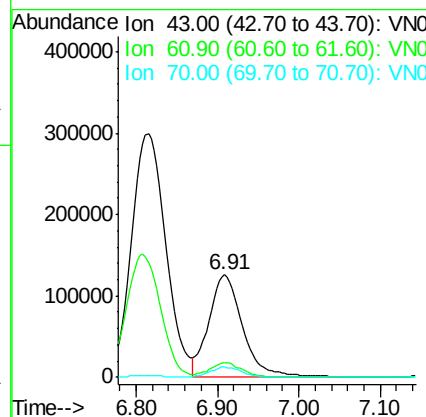
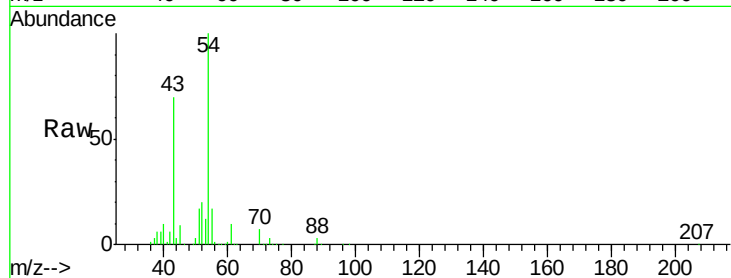
#37
Ethyl Acetate
Concen: 47.480 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.5	15.7
70	9.6	7.4	11.0

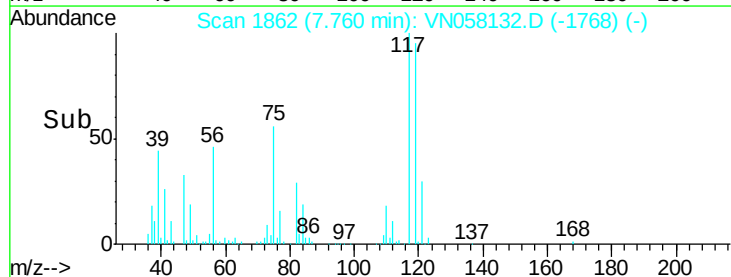
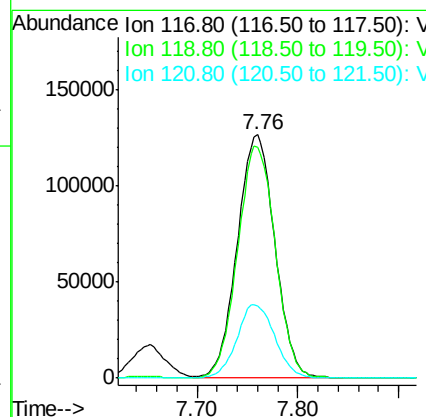
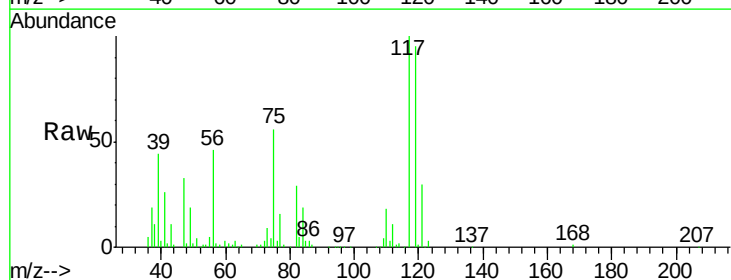
Manual Integrations
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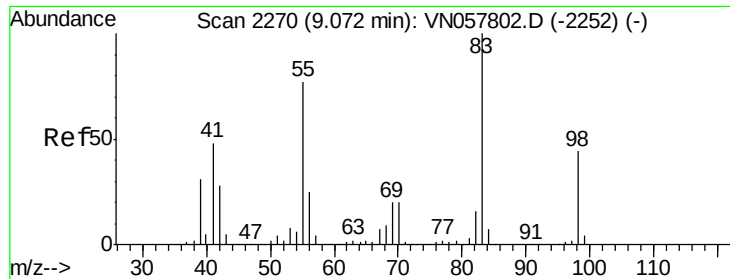
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#38
Carbon Tetrachloride
Concen: 48.459 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.9	115.3
121	29.7	23.4	35.2





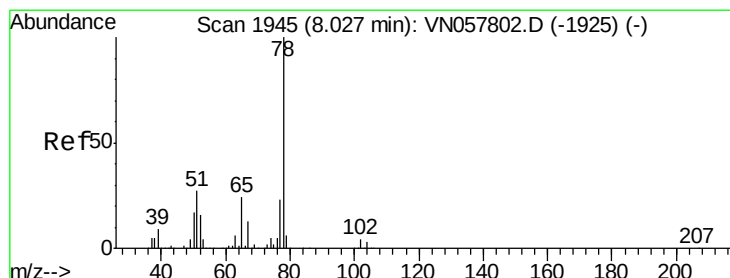
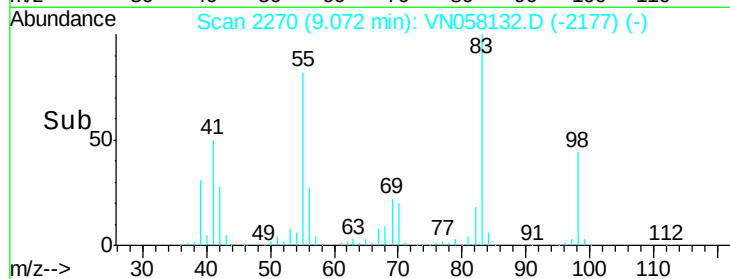
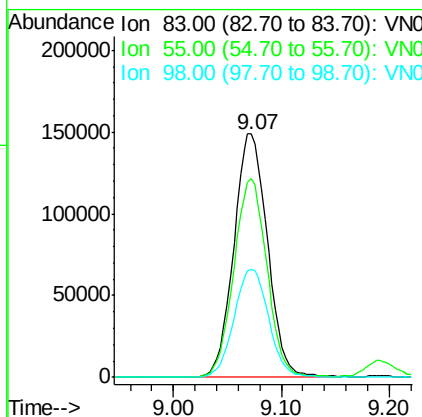
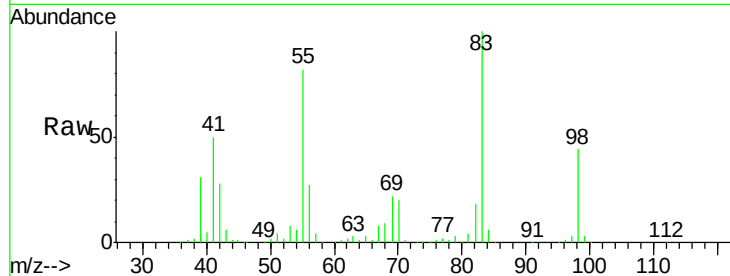
#39
Methylvlcyclohexane
Concen: 41.780 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	323581		
55	81.6		61.6	92.4
98	44.3		34.9	52.3

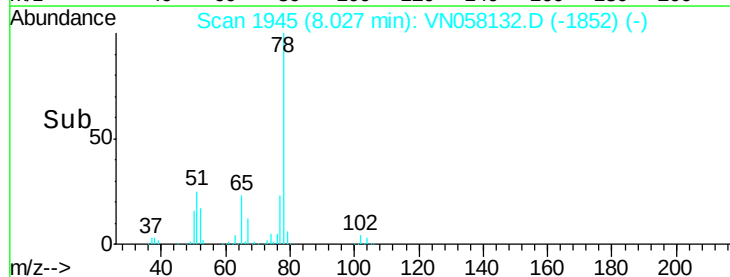
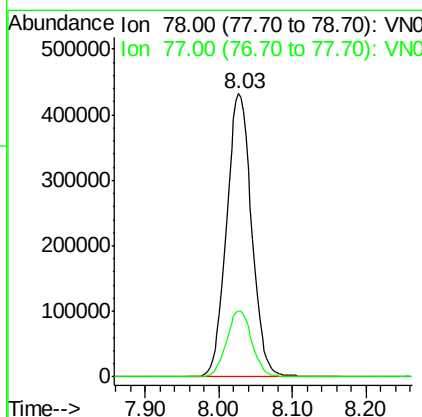
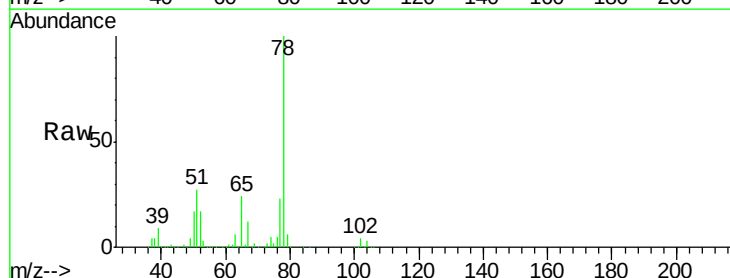
Manual Integrations
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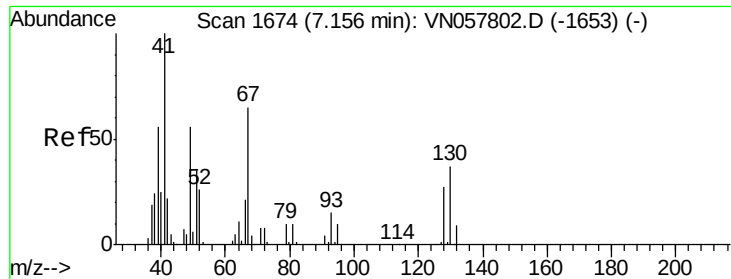
MMDadoda
9/18/2019 2:56:43 PM



#40
Benzene
Concen: 46.087 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1022259		
77	23.4		18.3	27.5





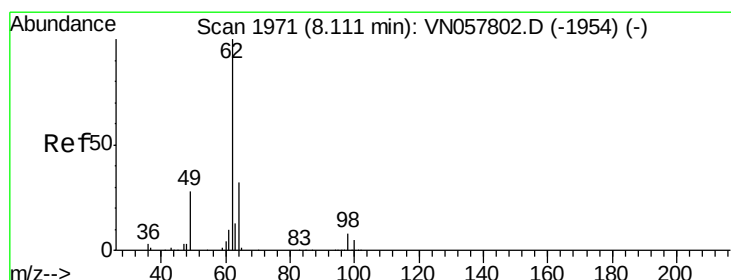
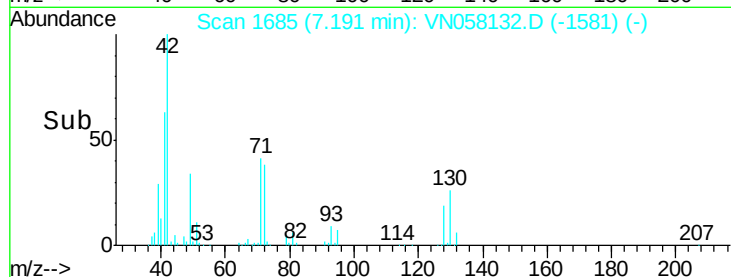
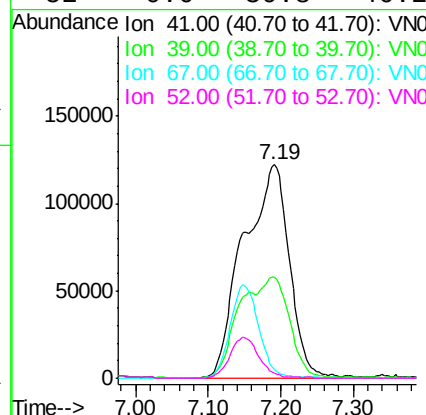
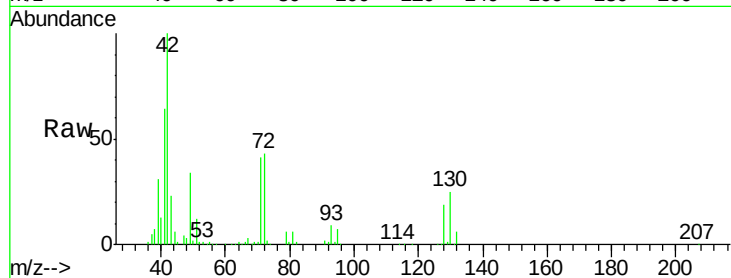
#41
Methacrylonitrile
Concen: 154.878 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.04 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	51.0	76.6#
67	0.0	70.7	106.1#
52	0.0	30.8	46.2#

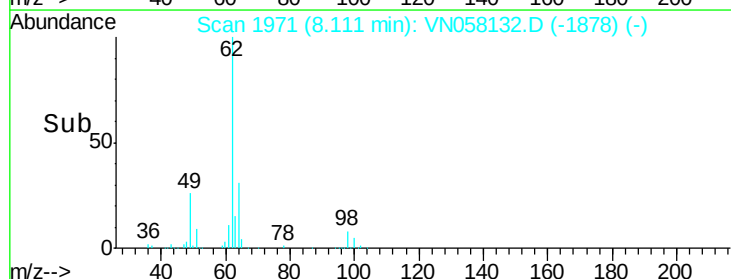
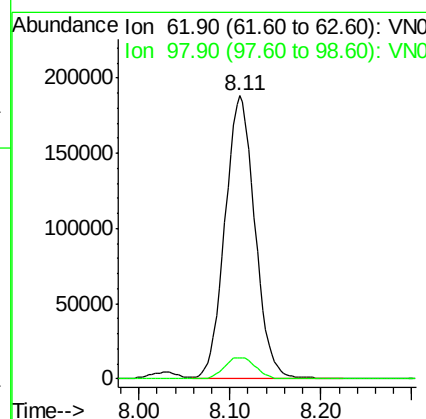
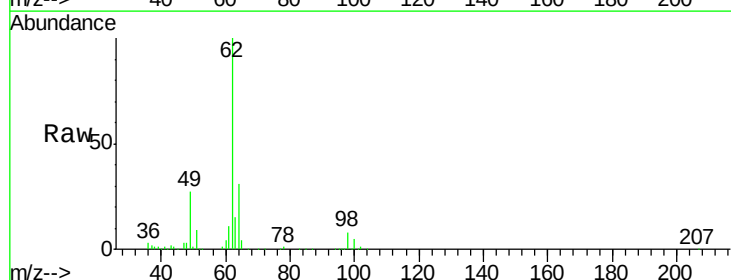
Manual Integrations
APPROVED

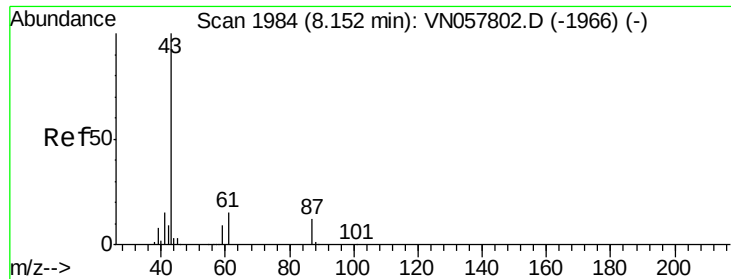
MMDadoda
9/18/2019 2:56:43 PM



#42
1,2-Dichloroethane
Concen: 48.362 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.8





#43

Isopropyl Acetate

Concen: 50.846 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

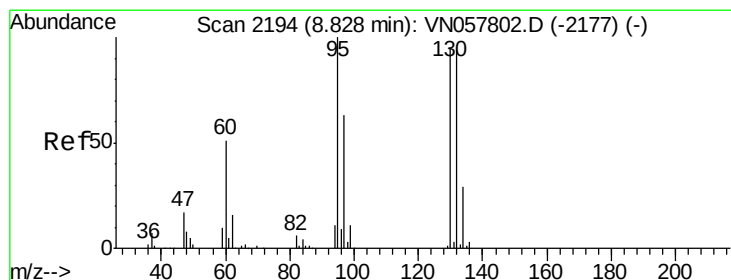
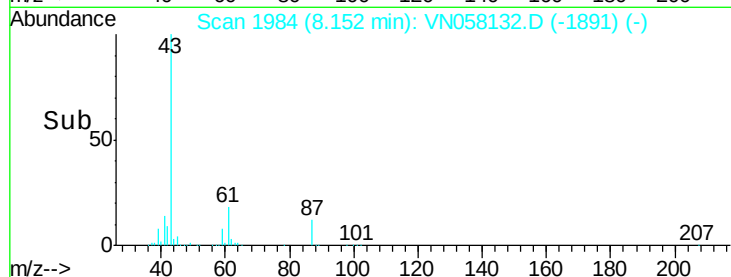
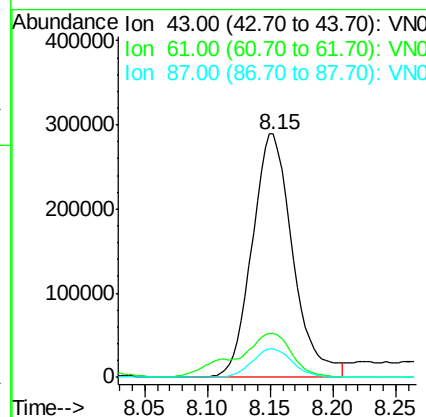
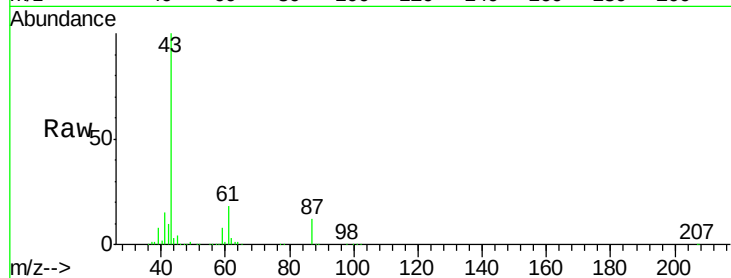
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	650871
Ion Ratio		Lower	Upper
43	100		
61	24.4	20.1	30.1
87	11.7	9.5	14.3

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#44

Trichloroethene

Concen: 45.973 ug/l

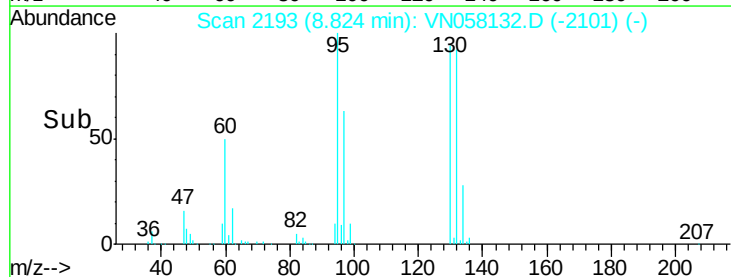
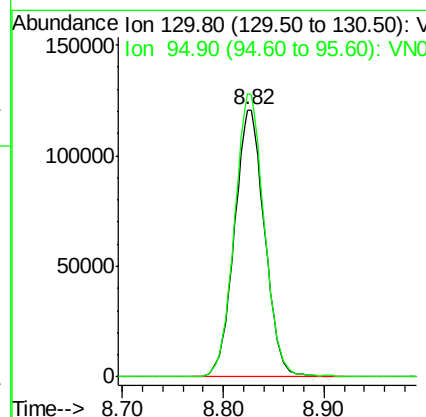
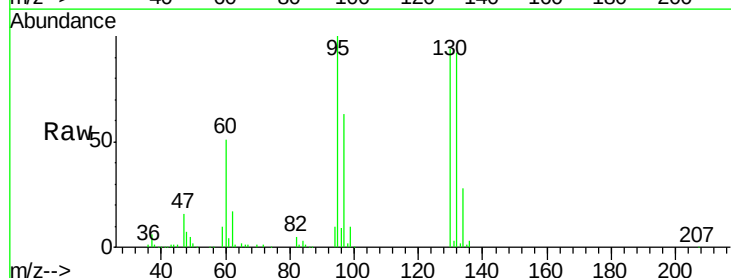
RT: 8.82 min Scan# 2193

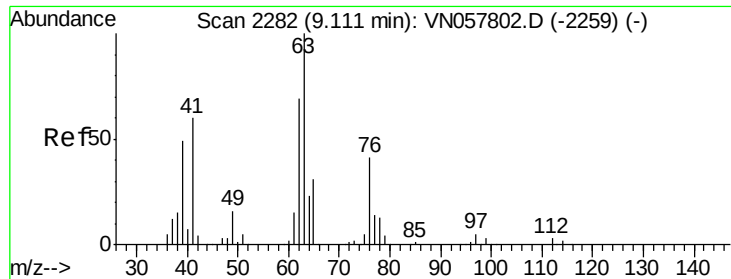
Delta R.T. -0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Tgt Ion:	130	Resp:	250106
Ion Ratio		Lower	Upper
130	100		
95	106.1	0.0	211.4





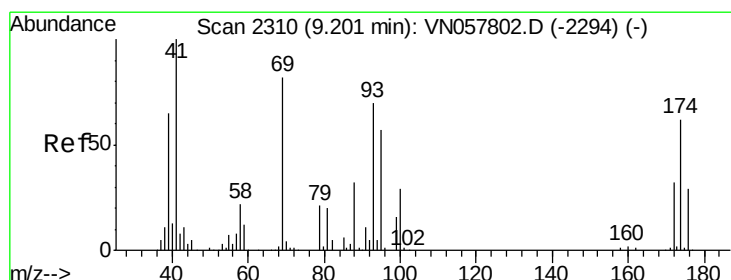
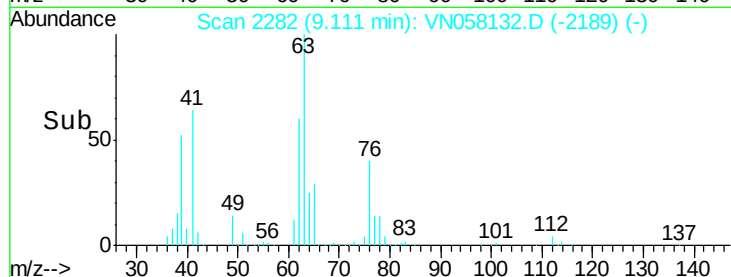
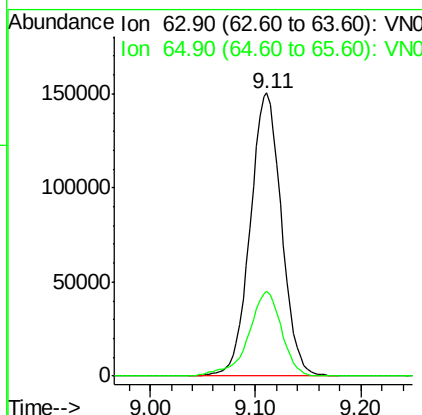
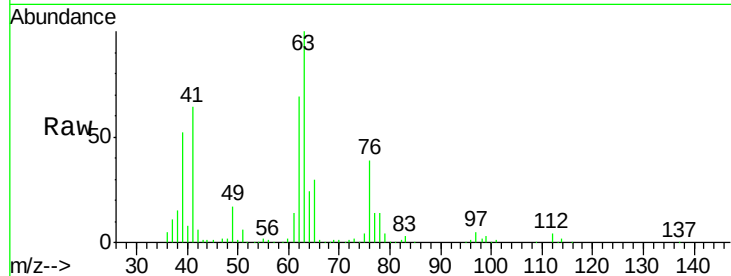
#45
 1,2-Dichloropropane
 Concen: 48.210 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 311163
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.8 37.2

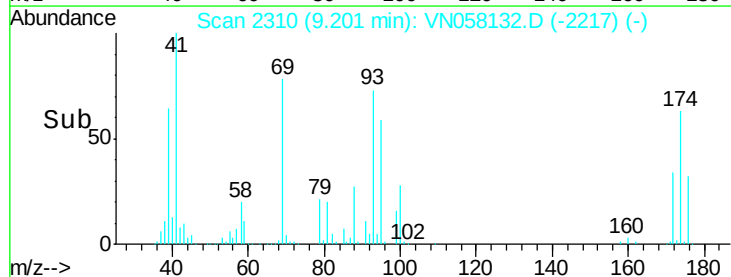
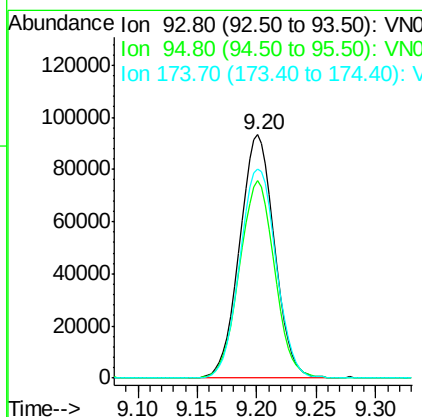
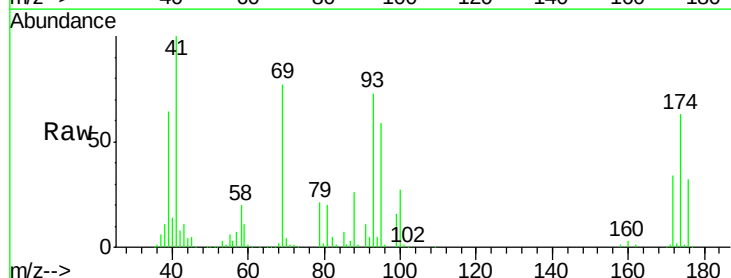
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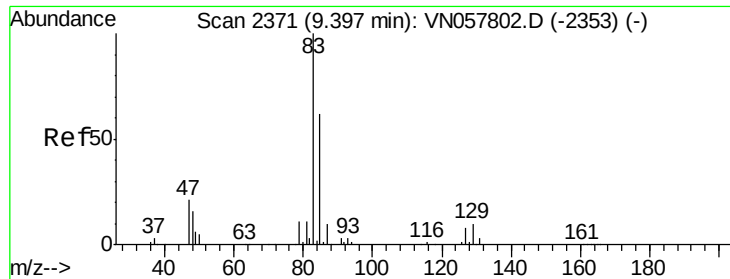
MMDadoda
 9/18/2019 2:56:43 PM



#46
 Dibromomethane
 Concen: 48.617 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

Tgt Ion: 93 Resp: 189615
 Ion Ratio Lower Upper
 93 100
 95 82.2 65.9 98.9
 174 89.6 71.8 107.6





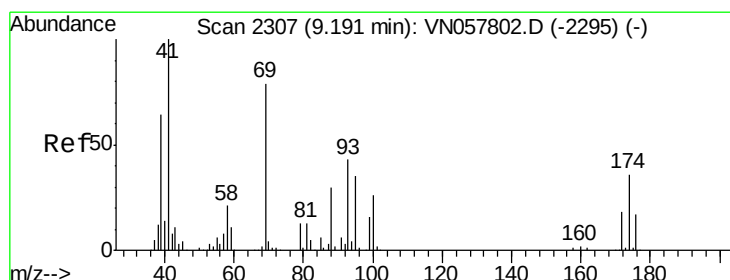
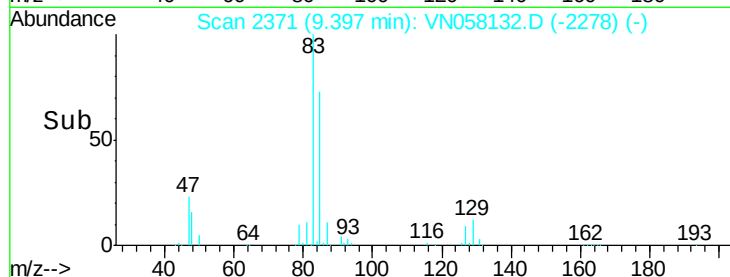
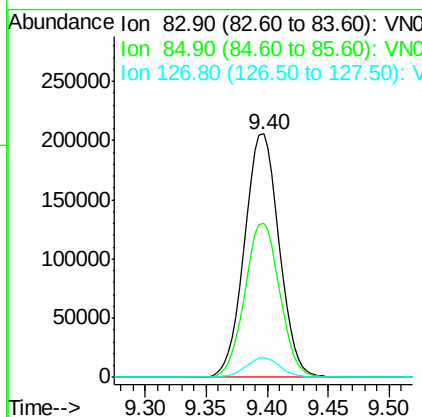
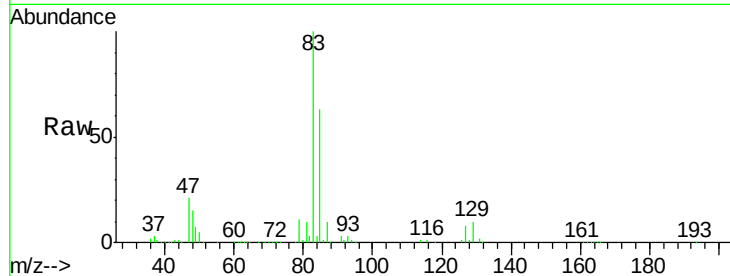
#47
Bromodichloromethane
Concen: 51.715 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	402772
Ion Ratio	100	Lower	Upper
83	100		
85	63.3	49.9	74.9
127	8.2	6.5	9.7

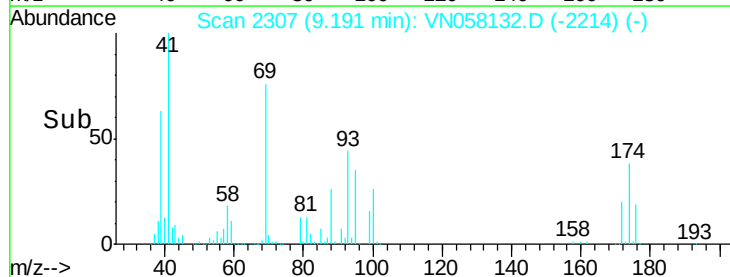
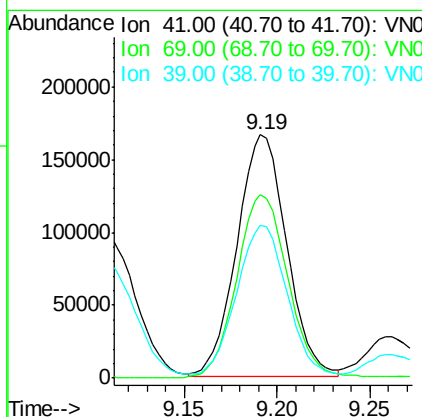
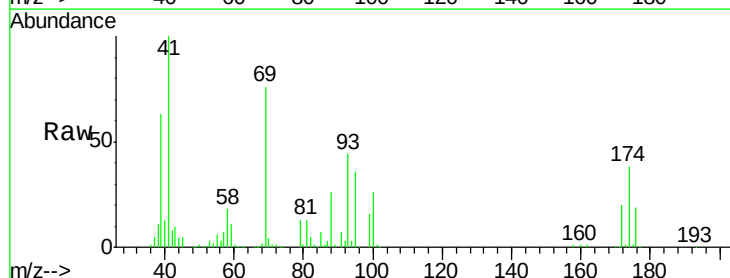
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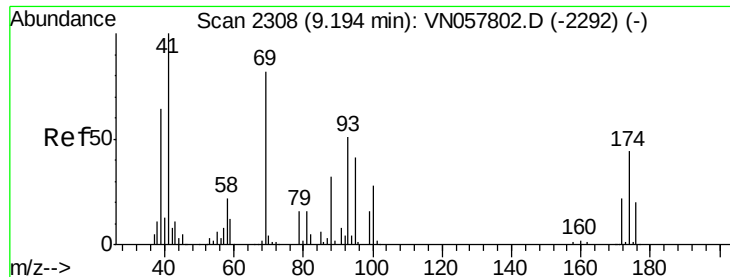
MMDadoda
9/18/2019 2:56:43 PM



#48
Methyl methacrylate
Concen: 47.846 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Tgt Ion	41	Resp	310685
Ion Ratio	100	Lower	Upper
41	100		
69	78.0	62.7	94.1
39	64.7	52.7	79.1





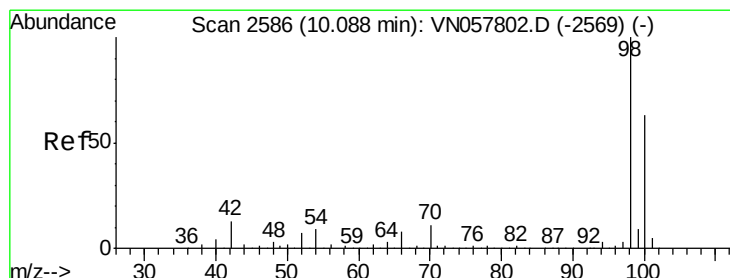
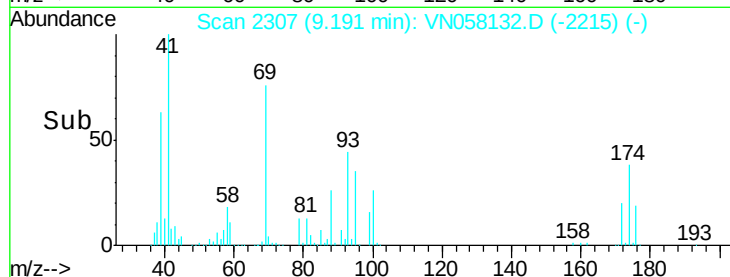
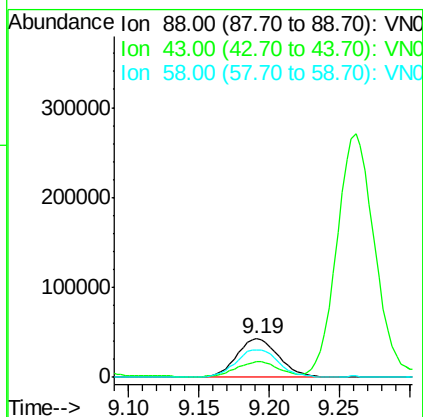
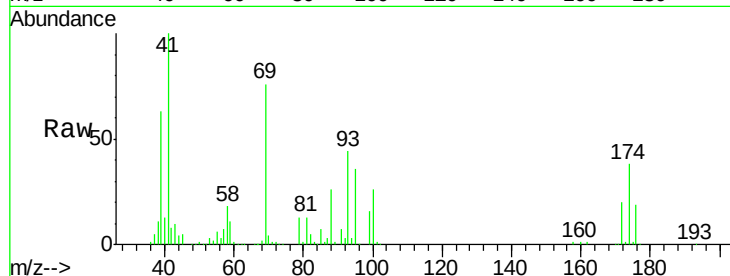
#49
1,4-Dioxane
Concen: 819.293 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.3	28.5	42.7
58	73.2	55.8	83.6

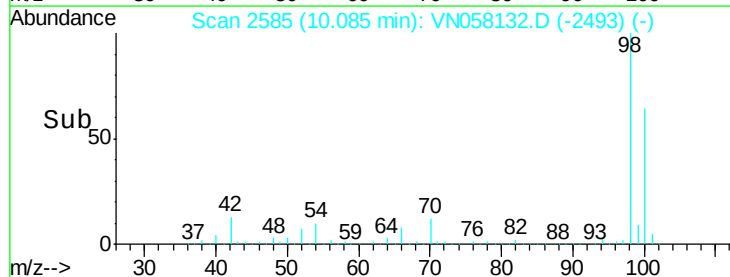
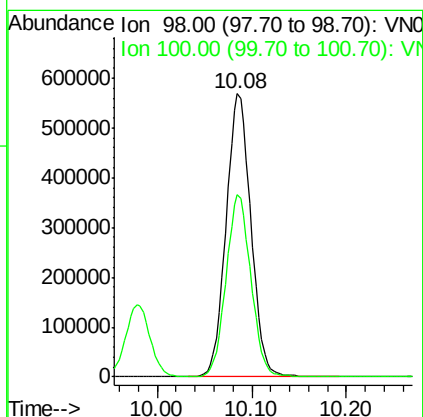
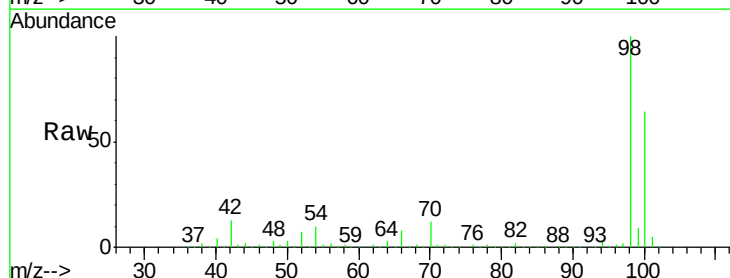
Manual Integrations
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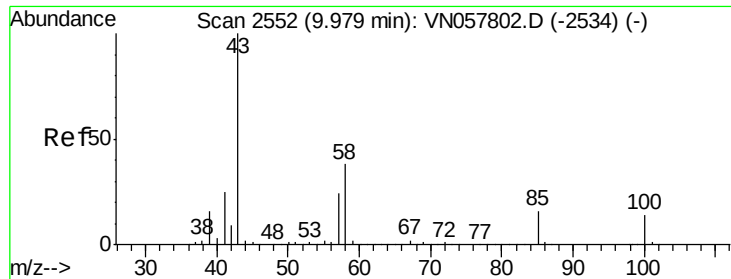
MMDadoda
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#50
Toluene-d8
Concen: 45.602 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 257.218 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1948461

Ion Ratio Lower Upper

43 100

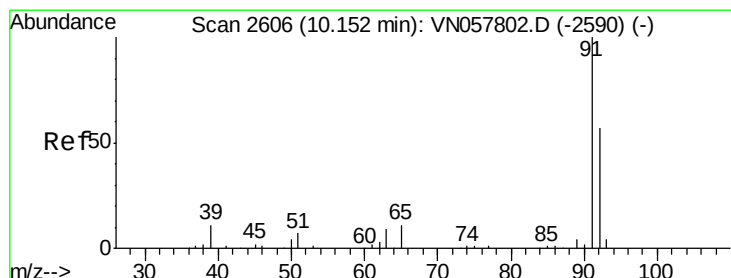
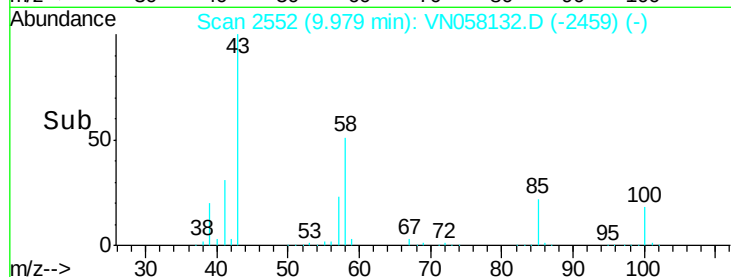
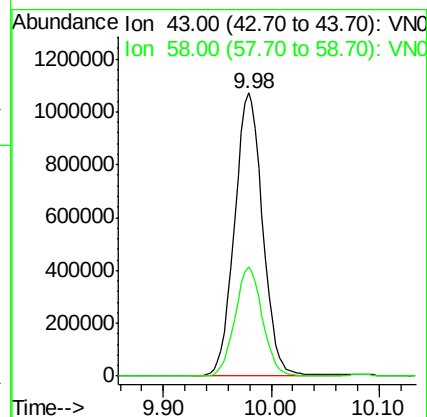
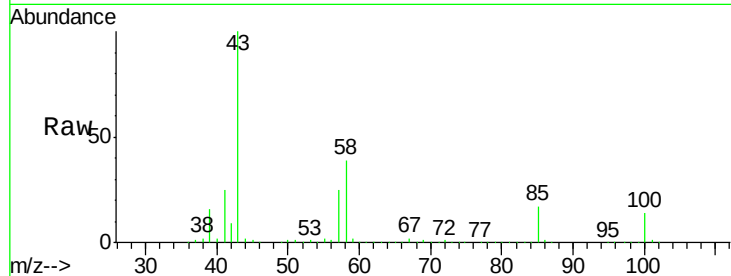
58 37.6 29.8 44.6

Manual Integrations

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#52

Toluene

Concen: 46.518 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058132.D

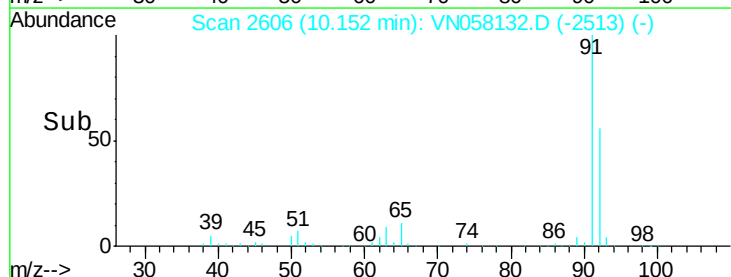
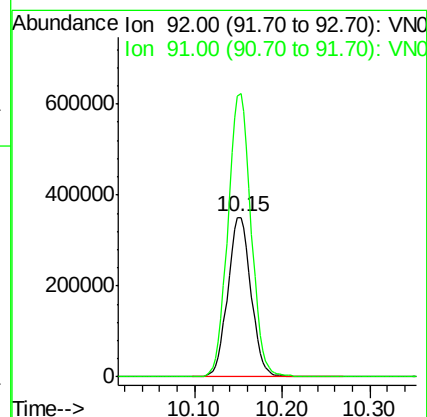
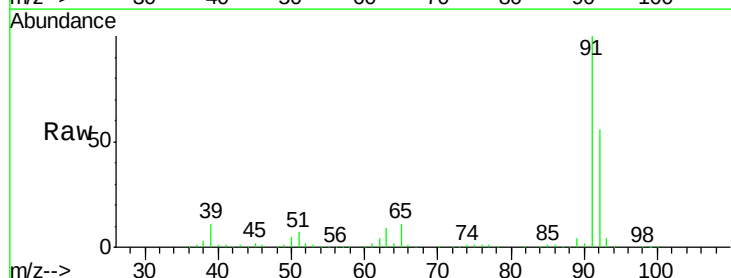
Acq: 16 Sep 2019 20:09

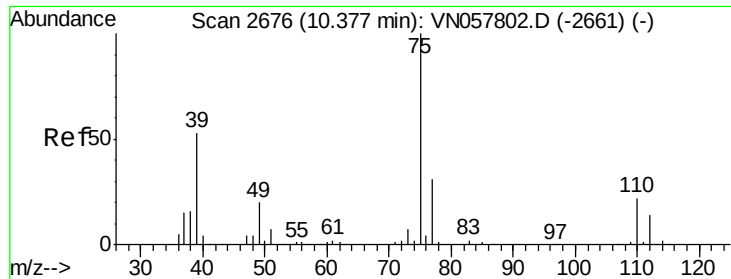
Tgt Ion: 92 Resp: 649876

Ion Ratio Lower Upper

92 100

91 176.6 141.0 211.6





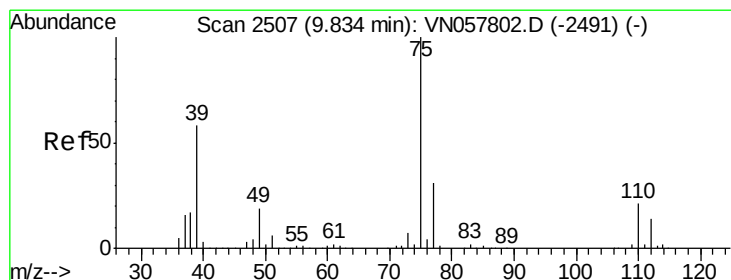
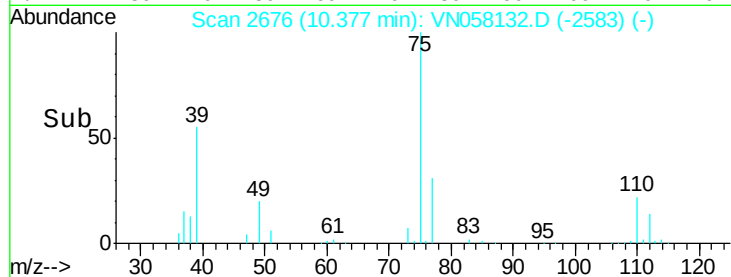
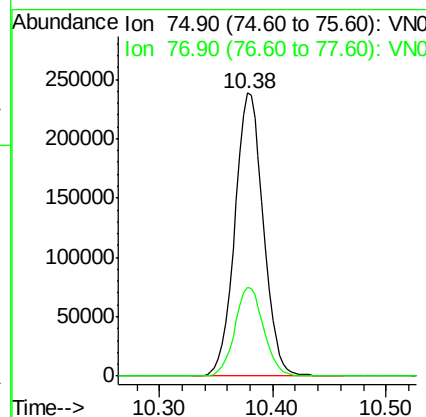
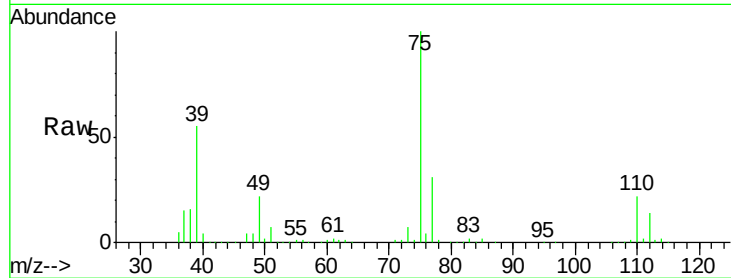
#53
t-1,3-Dichloropropene
Concen: 50.862 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 417146
Ion Ratio Lower Upper
75 100
77 31.2 24.5 36.7

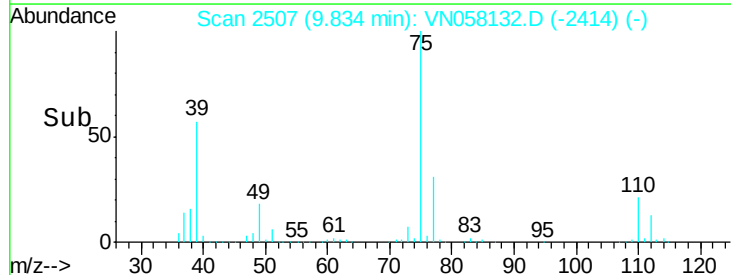
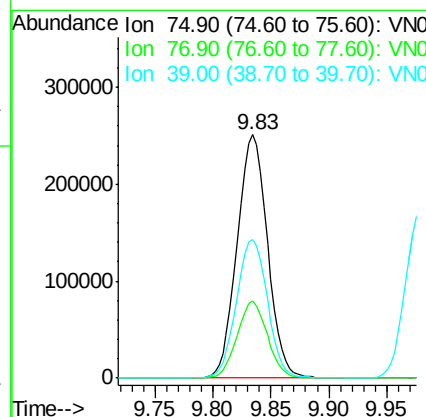
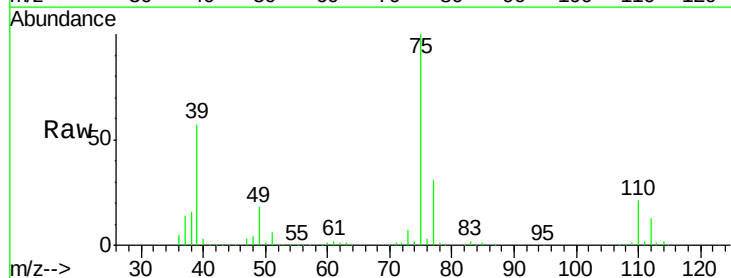
Manual Integrations
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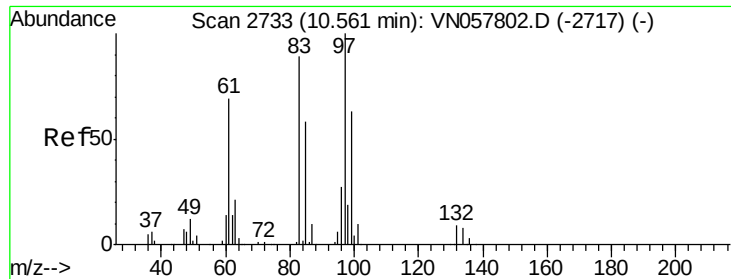
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 50.363 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Tgt Ion: 75 Resp: 456034
Ion Ratio Lower Upper
75 100
77 31.5 24.8 37.2
39 56.9 46.2 69.4





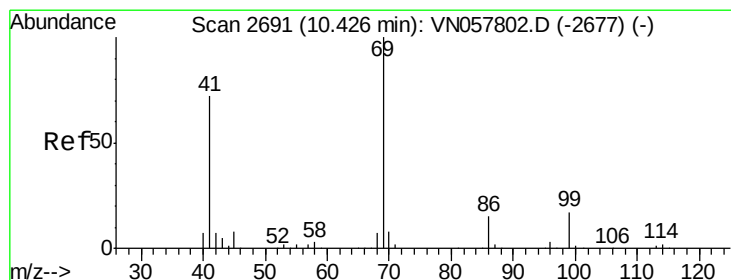
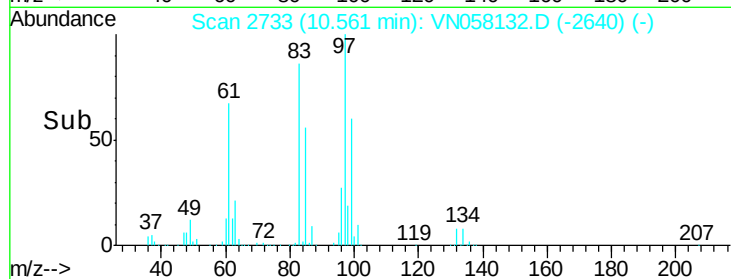
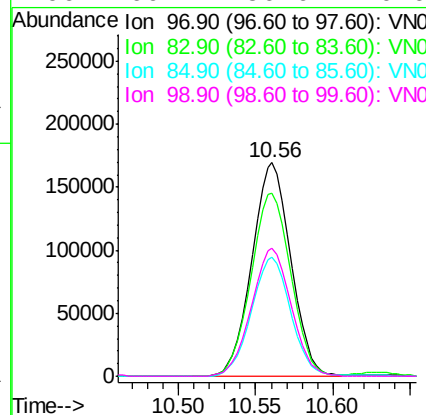
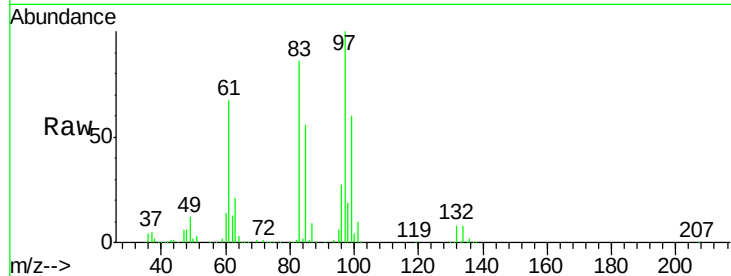
#55
 1,1,2-Trichloroethane
 Concen: 50.184 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		296975		
83	85.8	70.8	106.2		
85	56.0	46.0	69.0		
99	60.1	50.6	76.0		

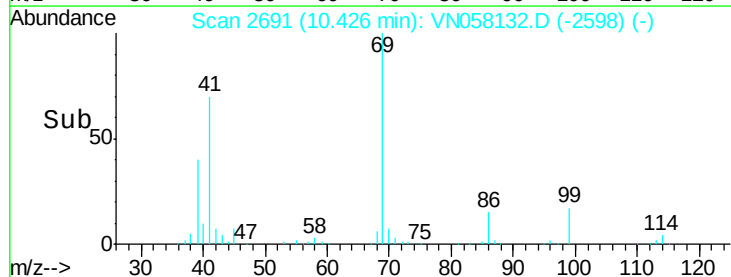
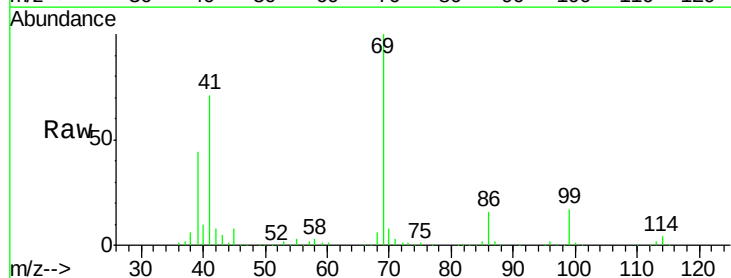
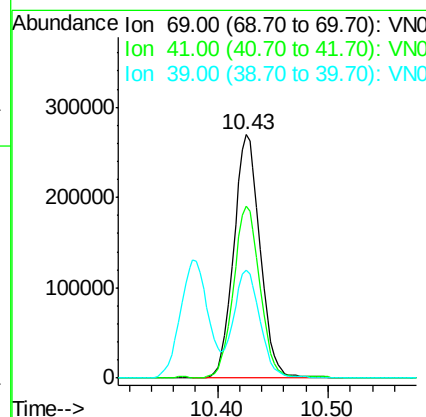
Manual Integrations
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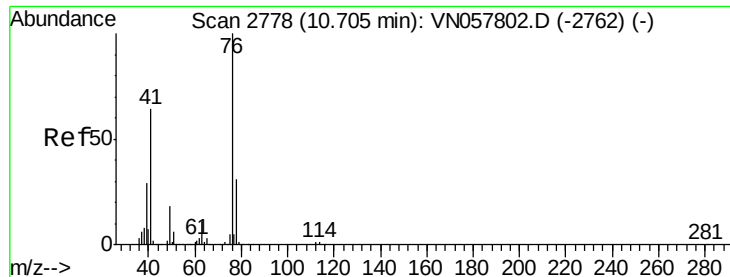
MMDadoda
 9/18/2019 2:56:43 PM



#56
 Ethyl methacrylate
 Concen: 50.260 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		447891		
41	69.9	56.7	85.1		
39	44.2	36.3	54.5		





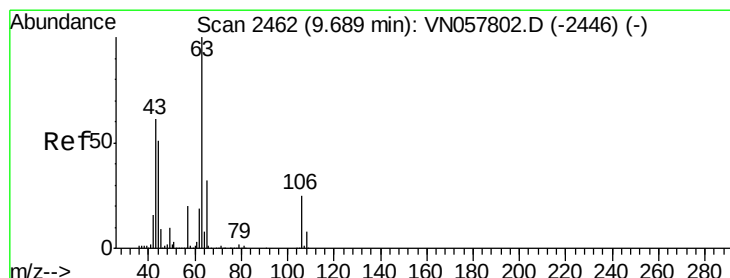
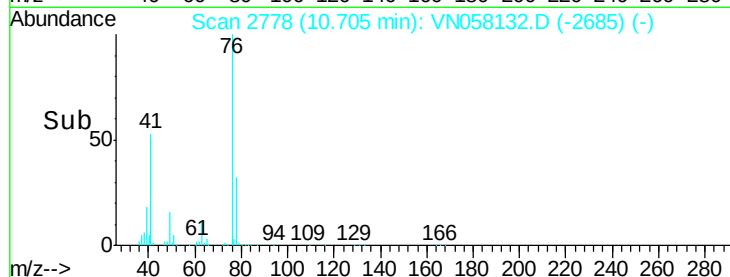
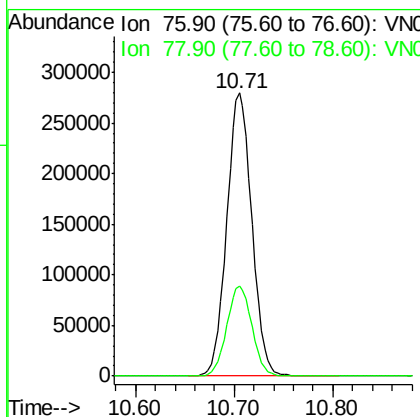
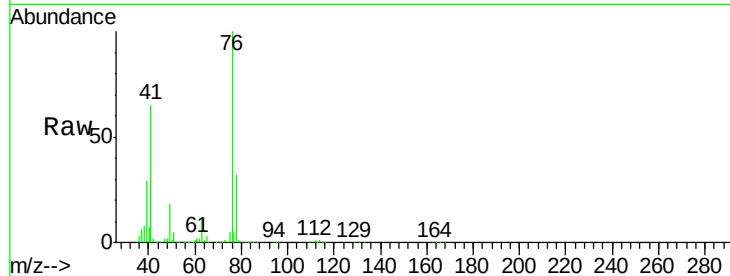
#57
 1,3-Dichloropropane
 Concen: 48.744 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.4	38.2

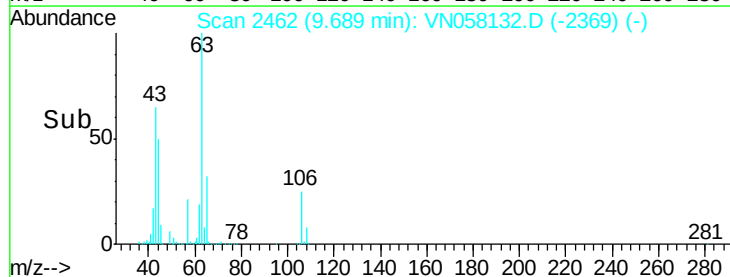
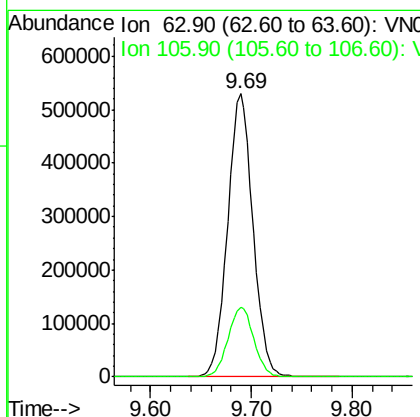
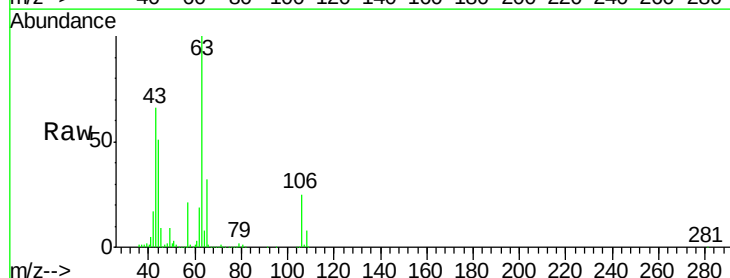
Manual Integrations
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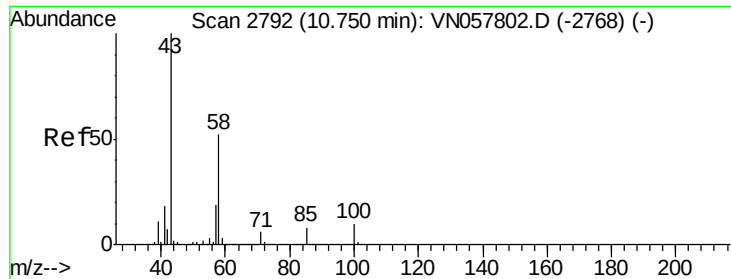
MMDadoda
 9/18/2019 2:56:43 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 221.032 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.1	20.0	30.0





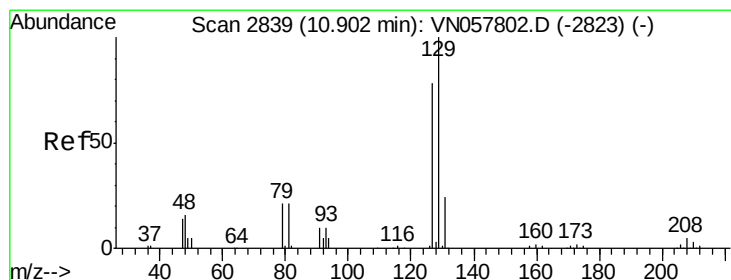
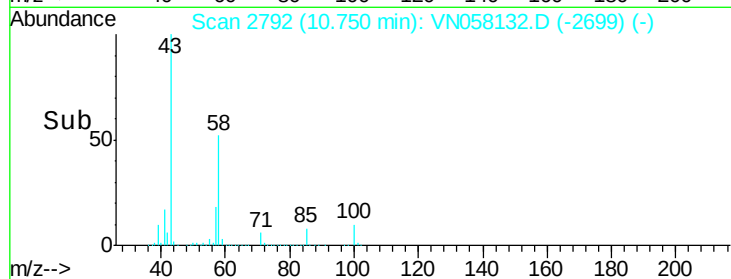
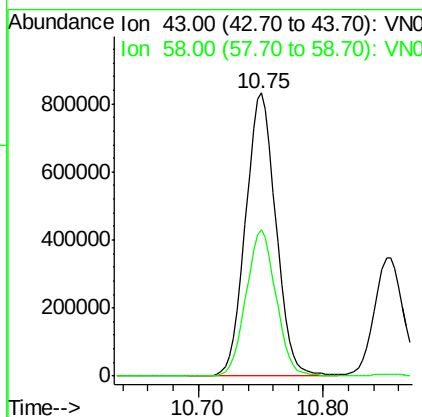
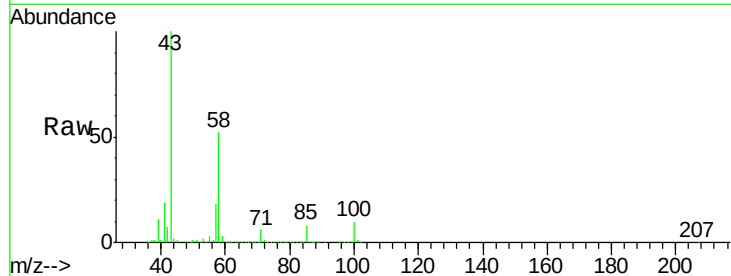
#59
2-Hexanone
Concen: 245.815 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1395701
Ion Ratio Lower Upper
43 100
58 51.3 25.6 76.8

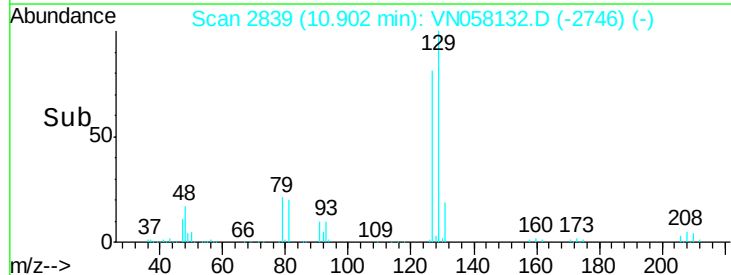
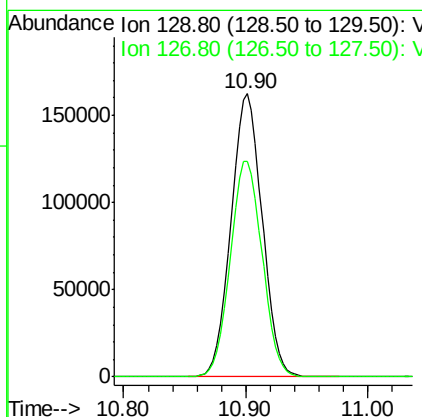
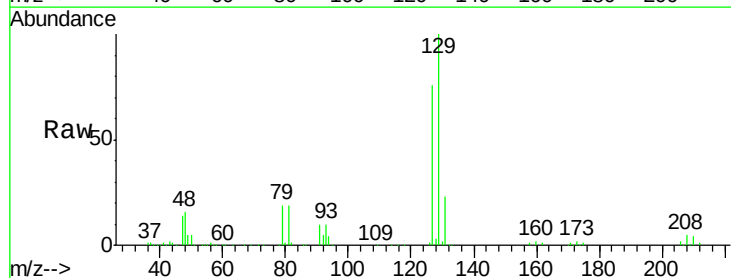
Manual Integrations
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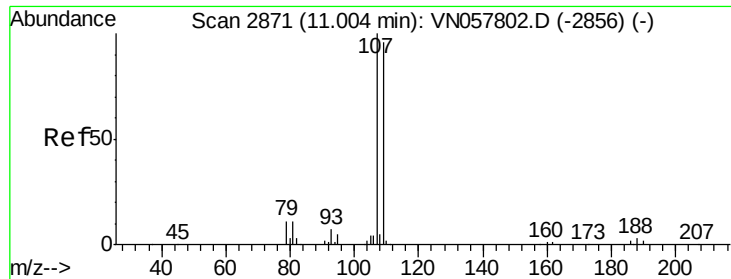
MMDadoda
9/18/2019 2:56:43 PM



#60
Dibromochloromethane
Concen: 52.544 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Tgt Ion: 129 Resp: 288736
Ion Ratio Lower Upper
129 100
127 77.8 38.6 116.0





#61

1,2-Dibromoethane

Concen: 48.694 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 272424

Ion Ratio Lower Upper

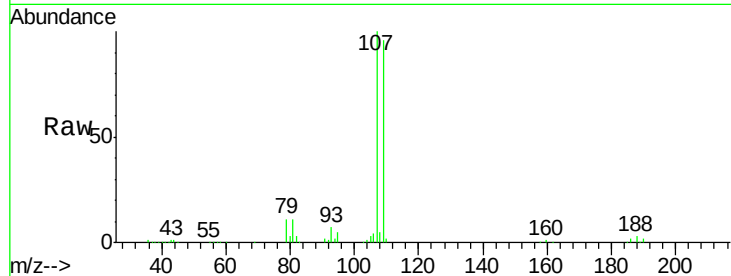
107 100

109 95.3 75.3 112.9

Manual Integrations
APPROVED

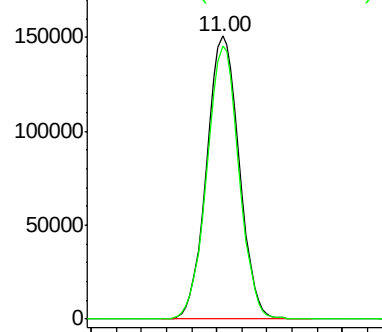
MMDadoda

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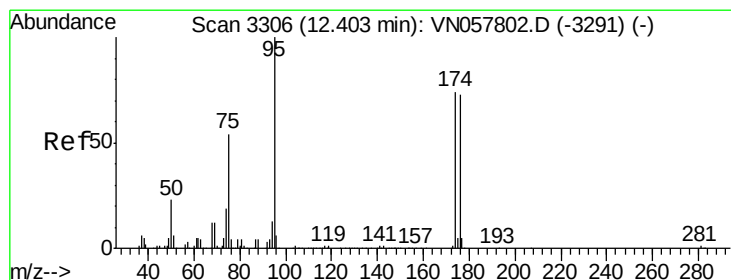
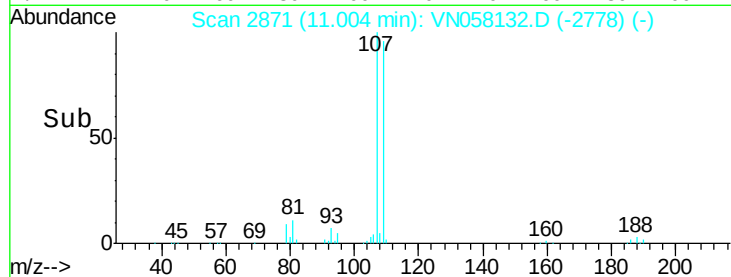


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 45.387 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

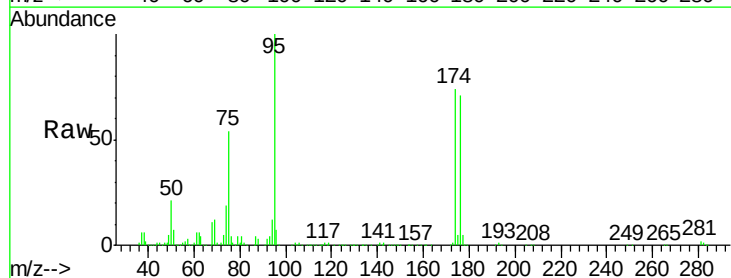
Tgt Ion: 95 Resp: 393748

Ion Ratio Lower Upper

95 100

174 74.2 0.0 150.2

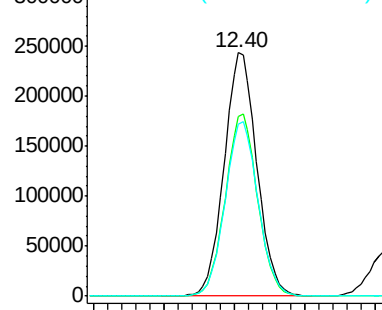
176 72.7 0.0 146.0



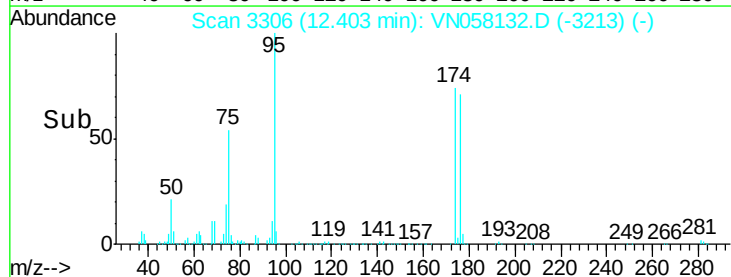
Abundance Ion 94.90 (94.60 to 95.60): V

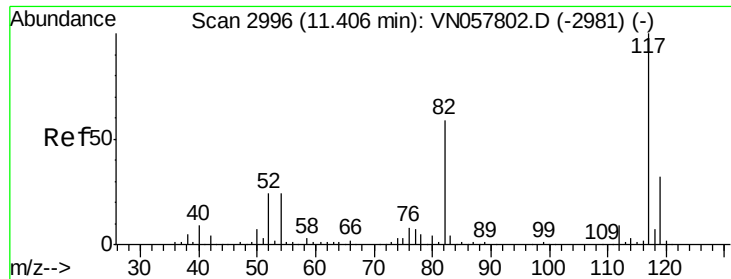
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time--> 12.30 12.35 12.40 12.45





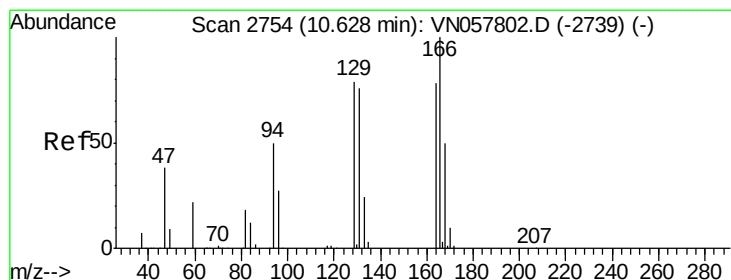
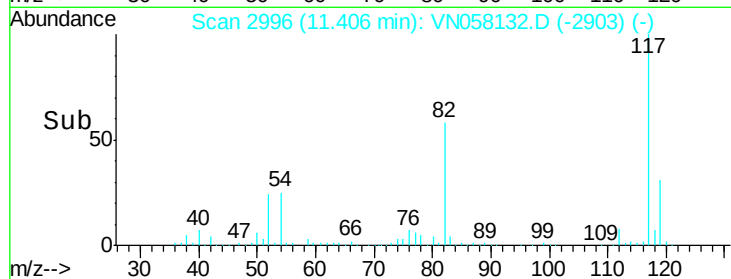
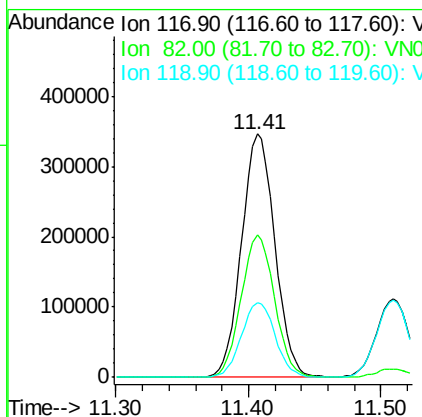
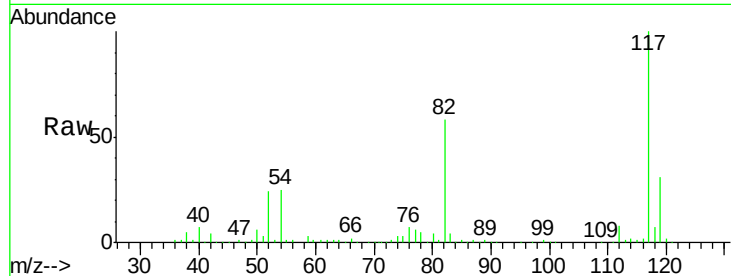
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.3	47.2	70.8
119	30.7	25.3	37.9

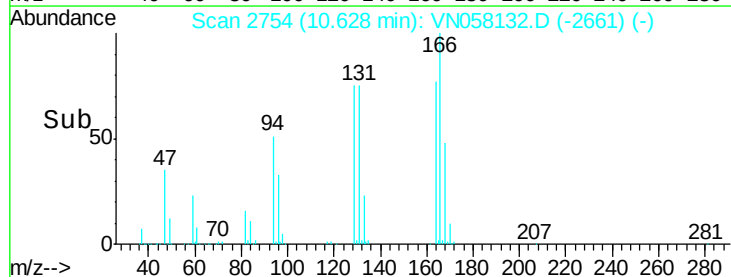
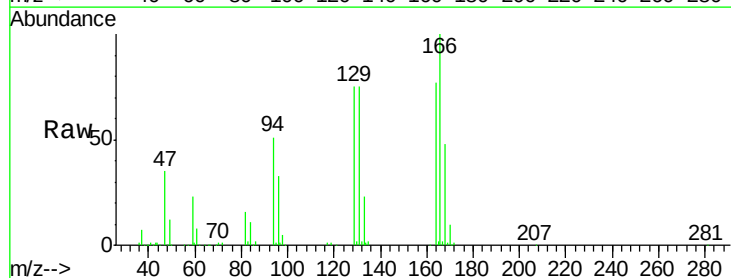
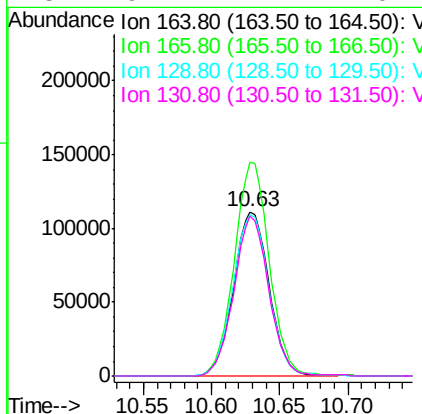
Manual Integrations
APPROVED

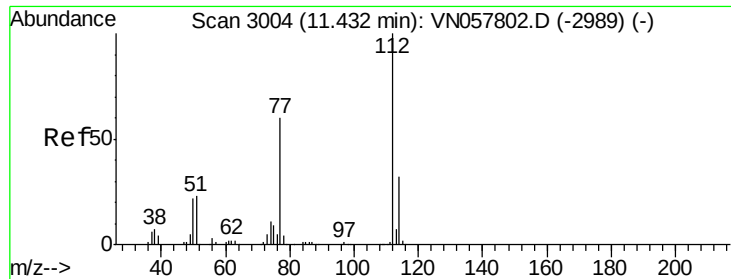
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#64
Tetrachloroethene
Concen: 45.279 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	102.2	153.2
129	98.2	80.8	121.2
131	97.2	77.4	116.2





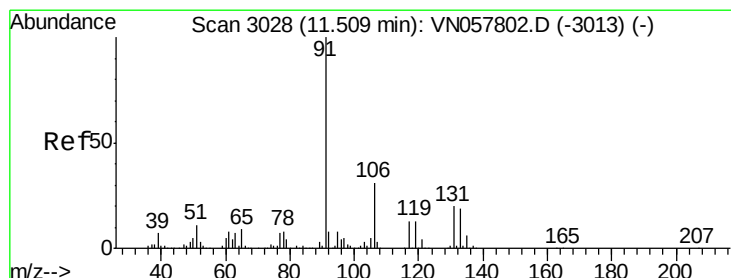
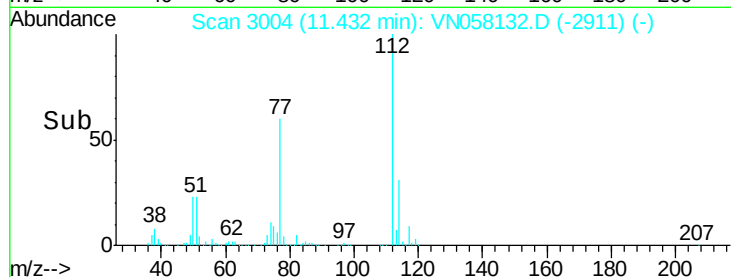
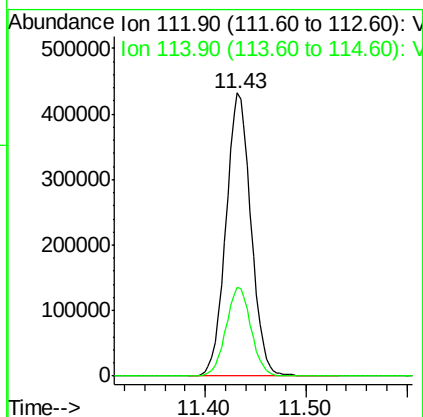
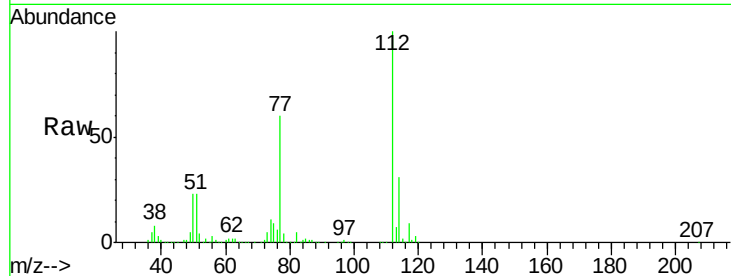
#65
Chlorobenzene
Concen: 47.208 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.2	37.8

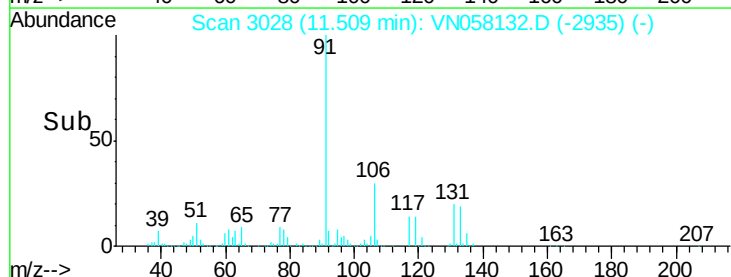
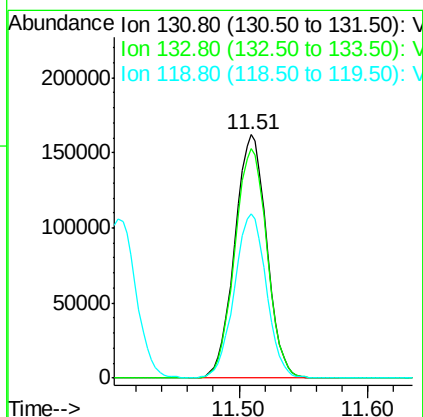
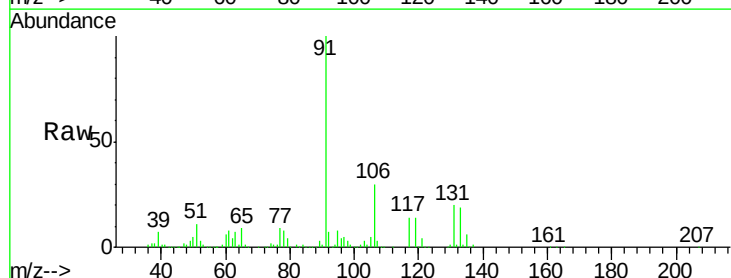
Manual Integrations
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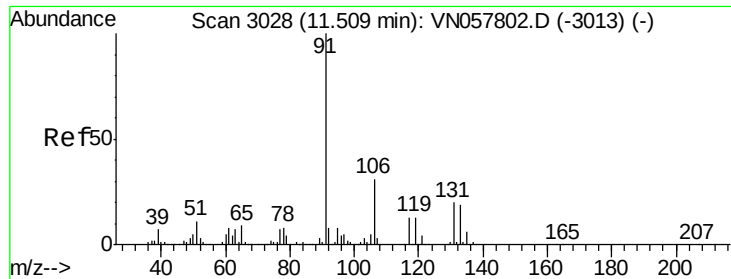
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.884 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.1	141.3
119	67.5	33.3	99.8





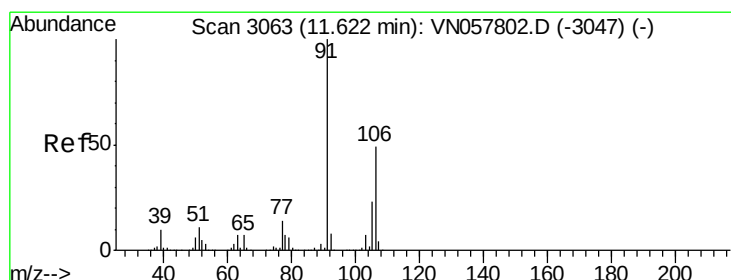
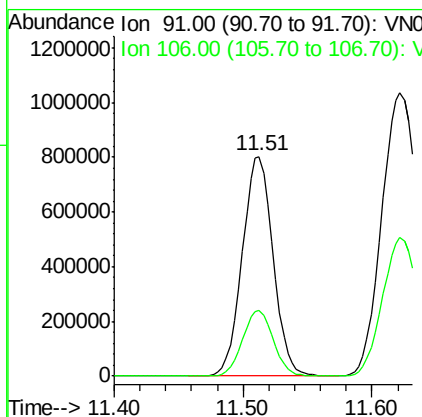
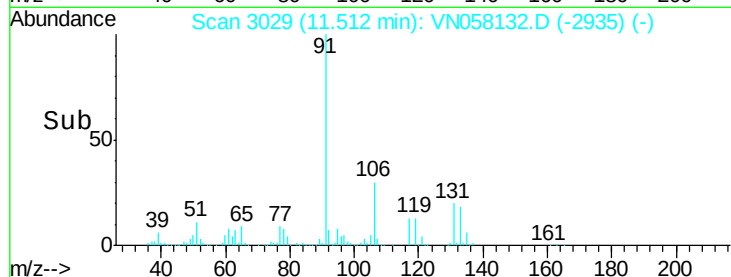
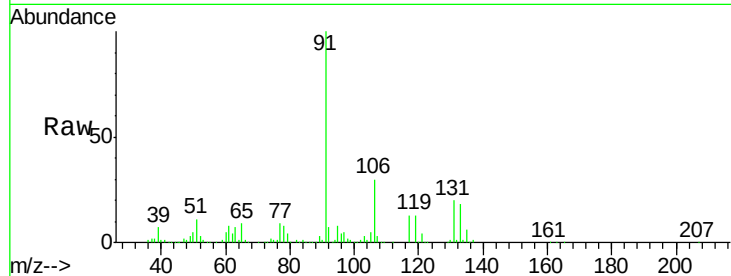
#67
Ethyl Benzene
Concen: 48.191 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1337847
Ion Ratio Lower Upper
91 100
106 29.8 24.4 36.6

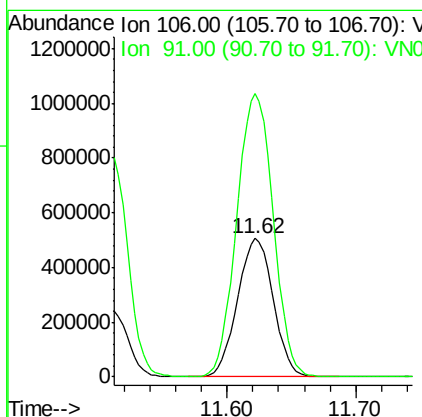
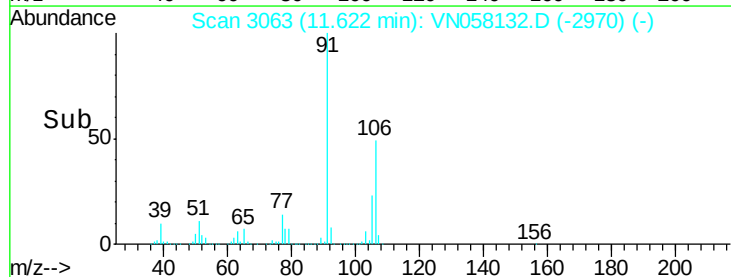
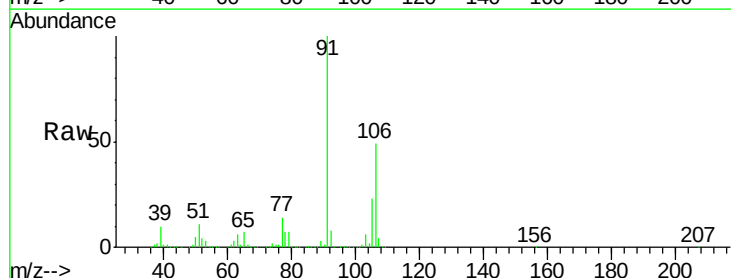
Manual Integrations
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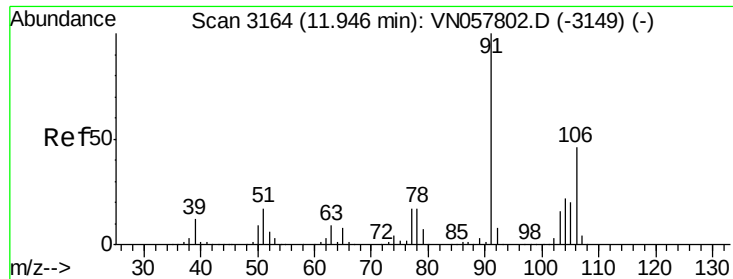
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#68
m/p-Xylenes
Concen: 95.992 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Tgt Ion: 106 Resp: 976128
Ion Ratio Lower Upper
106 100
91 208.4 165.8 248.6





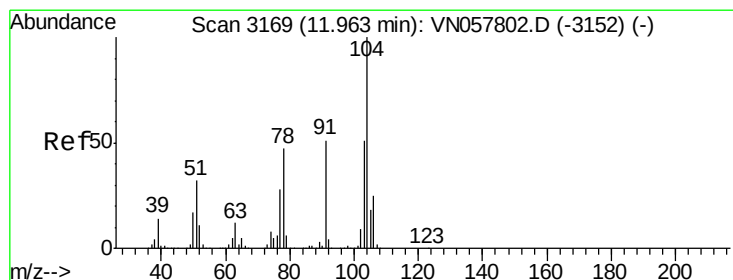
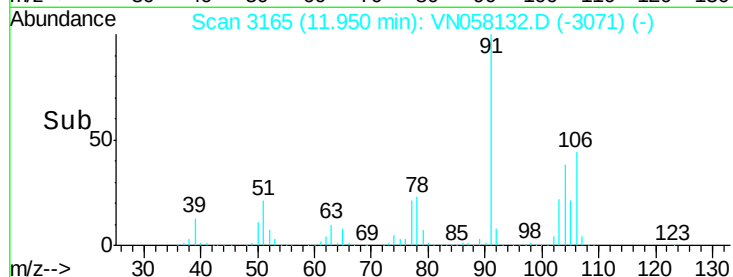
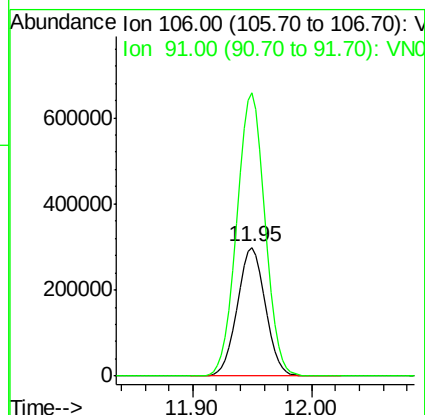
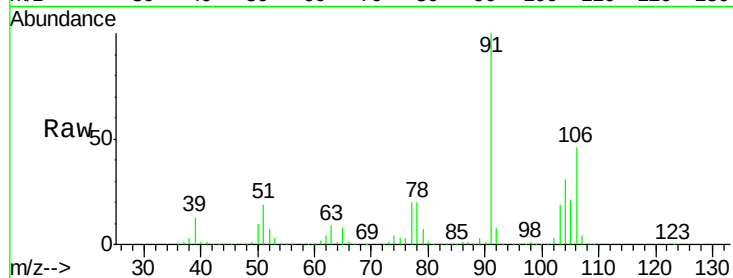
#69
o-Xylene
Concen: 48.425 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 489543
Ion Ratio Lower Upper
106 100
91 220.4 108.7 326.1

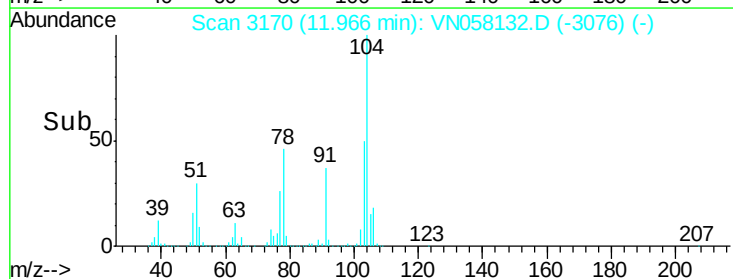
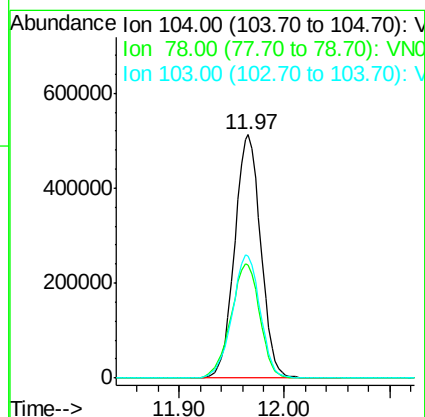
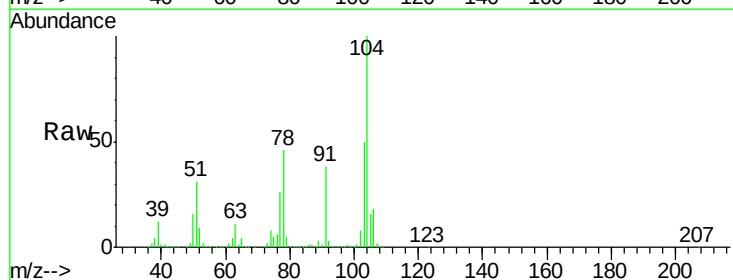
Manual Integrations
APPROVED

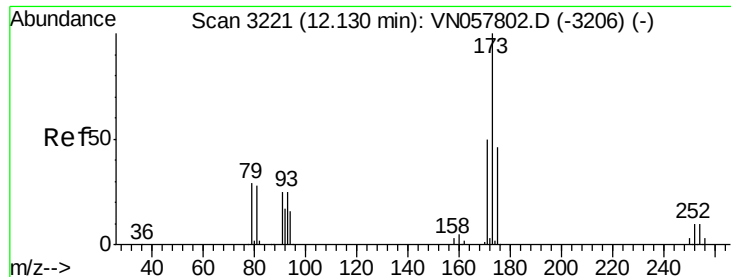
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#70
Styrene
Concen: 50.394 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Tgt Ion:104 Resp: 876755
Ion Ratio Lower Upper
104 100
78 51.9 41.3 61.9
103 54.2 43.7 65.5





#71

Bromoform

Concen: 53.409 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 183026

Ion Ratio Lower Upper

173 100

175 48.7 23.5 70.6

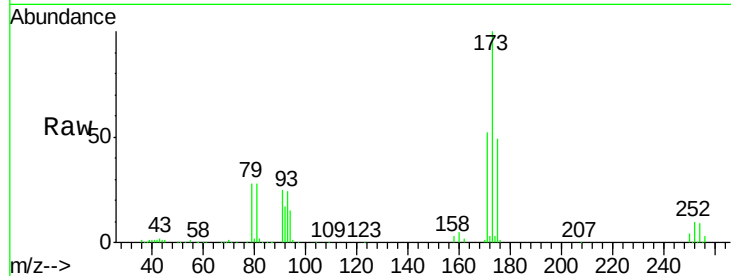
254 0.0 0.1 0.1#

Manual Integrations

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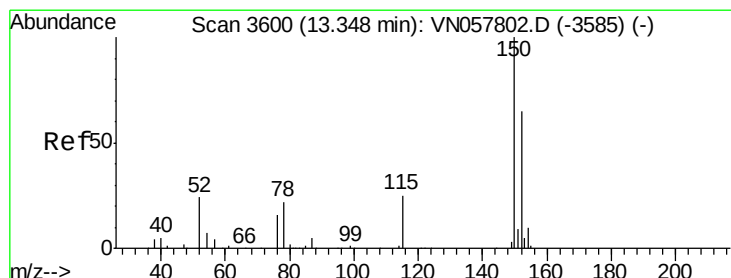
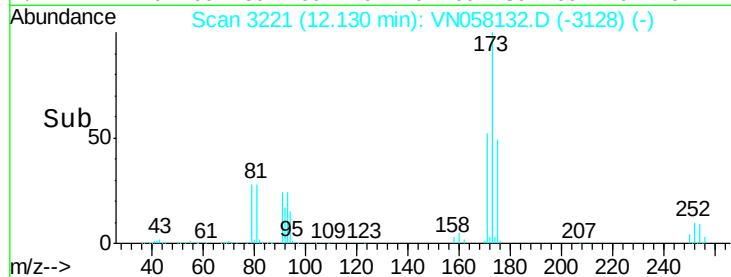
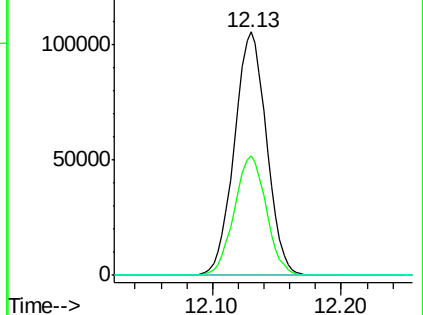
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN058132.D

Acq: 16 Sep 2019 20:09

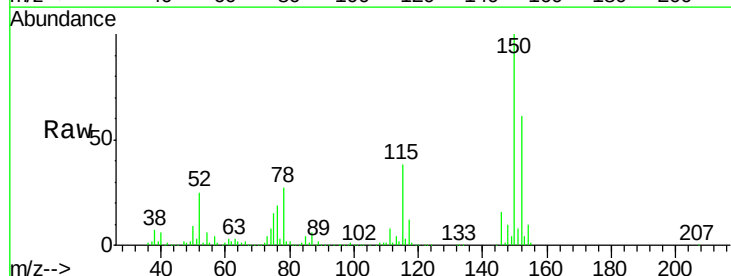
Tgt Ion:152 Resp: 369514

Ion Ratio Lower Upper

152 100

115 60.8 30.3 91.0

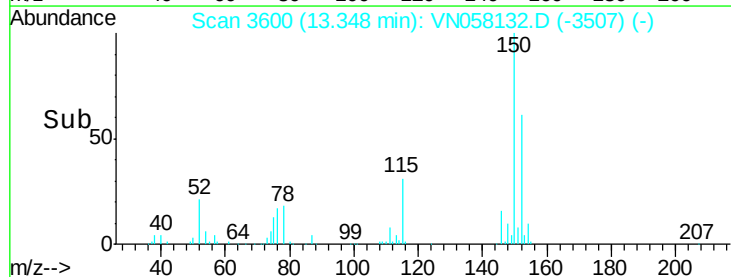
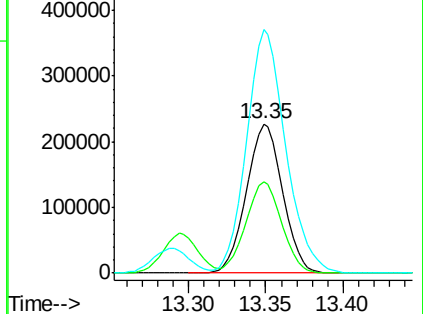
150 176.2 0.0 352.4

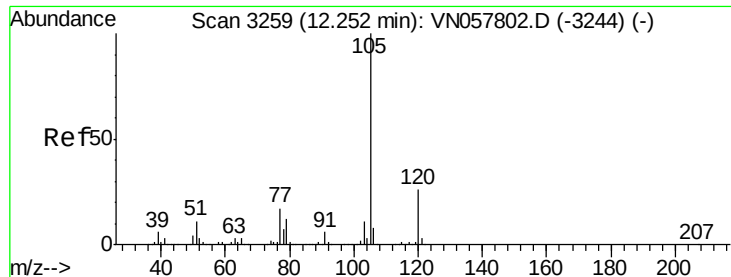


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.789 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1370275

Ion Ratio Lower Upper

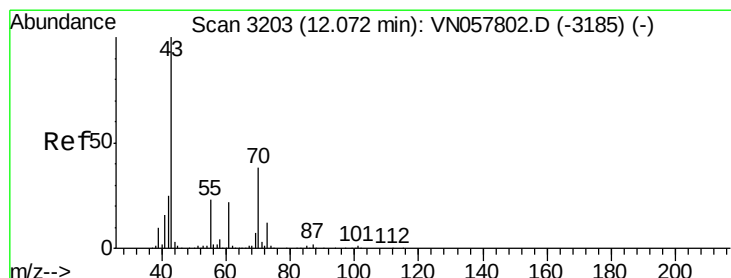
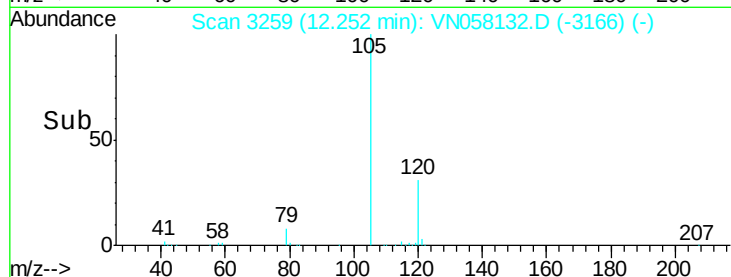
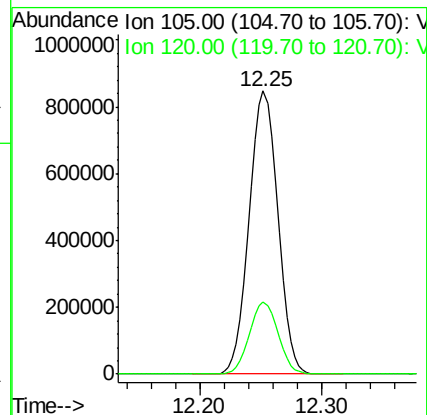
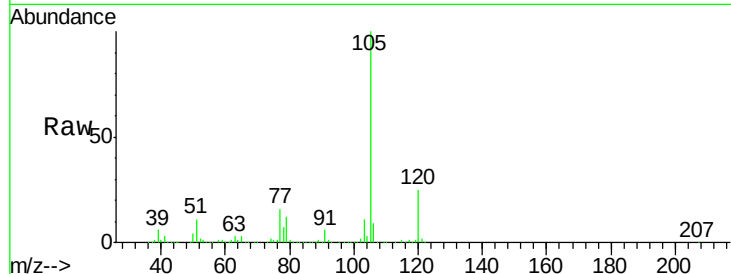
105 100

120 25.5 12.8 38.4

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#74

N-ethyl acetate

Concen: 47.701 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Tgt Ion: 43 Resp: 595242

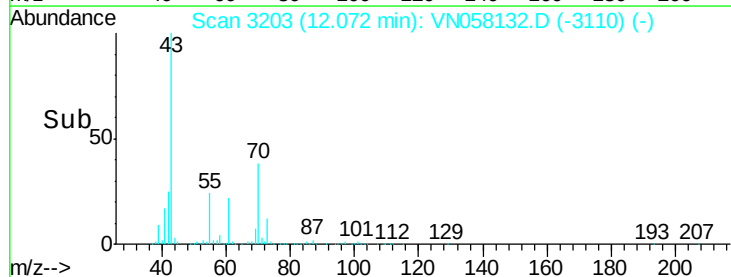
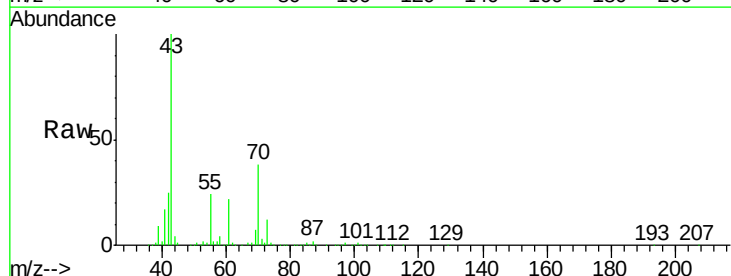
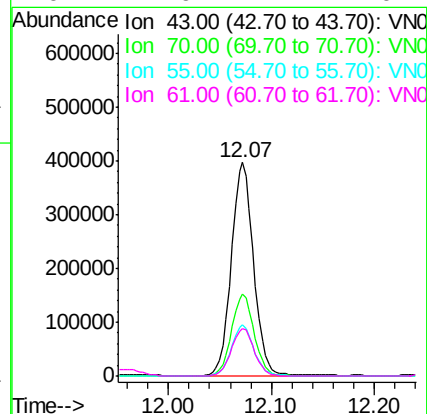
Ion Ratio Lower Upper

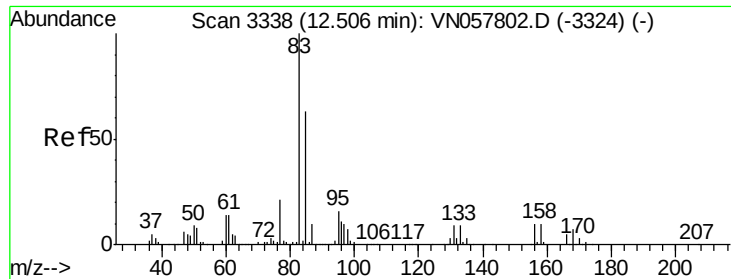
43 100

70 39.2 30.6 45.8

55 24.1 18.6 27.8

61 22.9 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 46.831 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

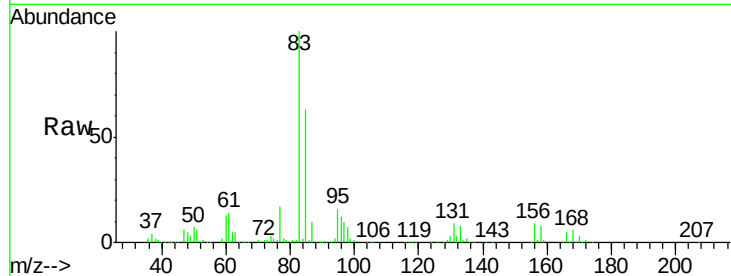
ClientSampleId :

VSTDCCC050EC

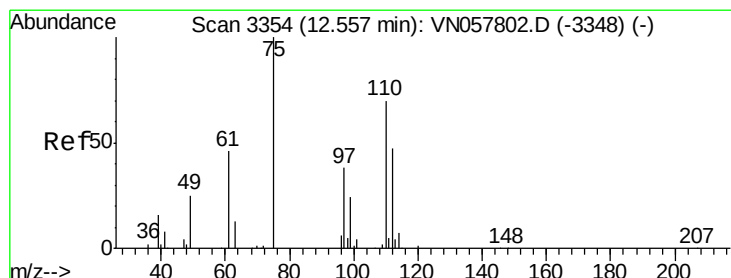
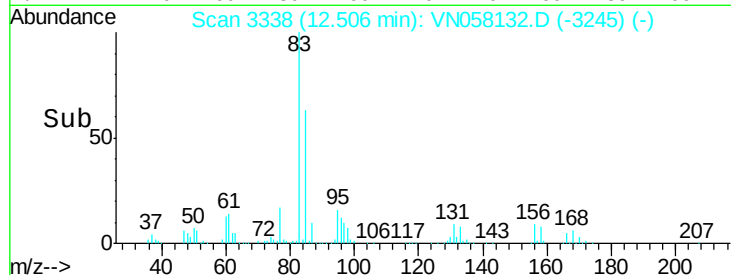
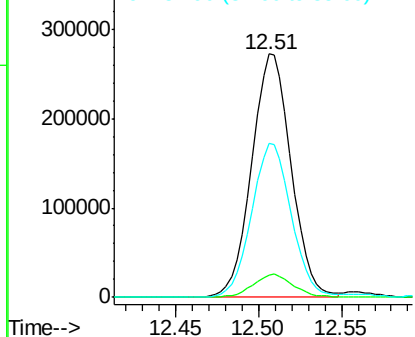
Tot Ion:	83	Resp:	452116
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.8	14.3
85	63.5	31.6	94.7

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 64.525 ug/l

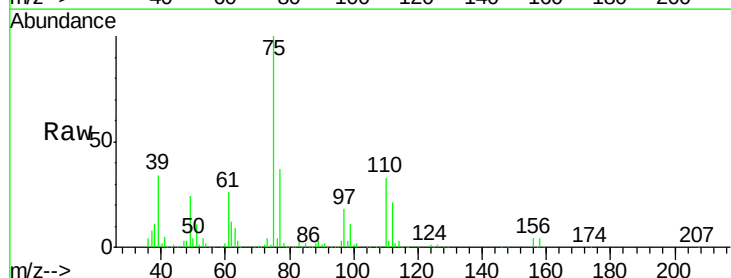
RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

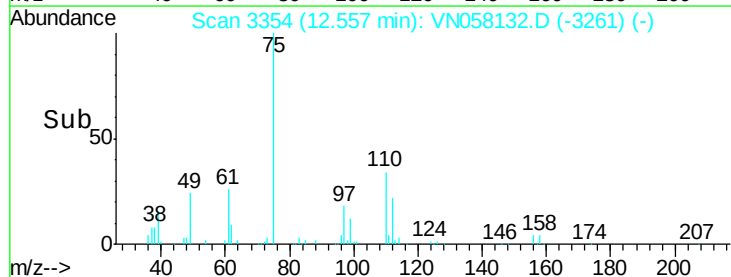
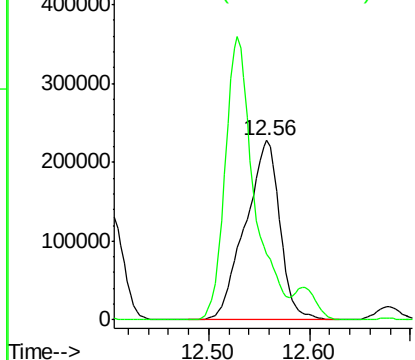
Lab File: VN058132.D

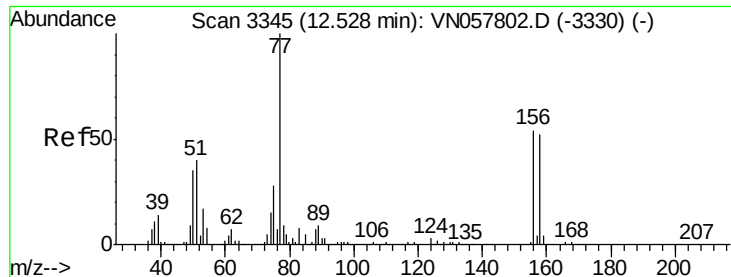
Acq: 16 Sep 2019 20:09

Tgt Ion:	75	Resp:	539370
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 45.035 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 321948

Ion Ratio Lower Upper

156 100

77 225.0 113.7 341.1

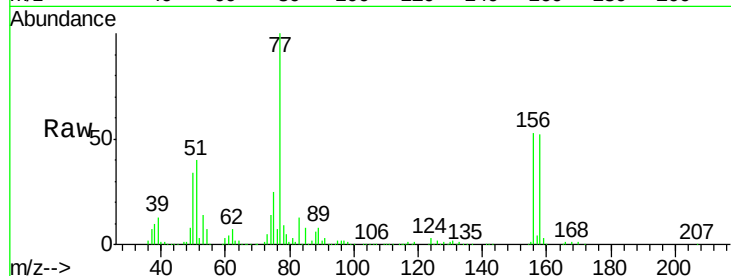
158 97.5 48.5 145.6

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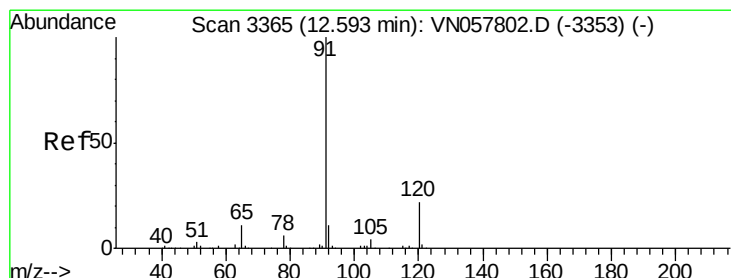
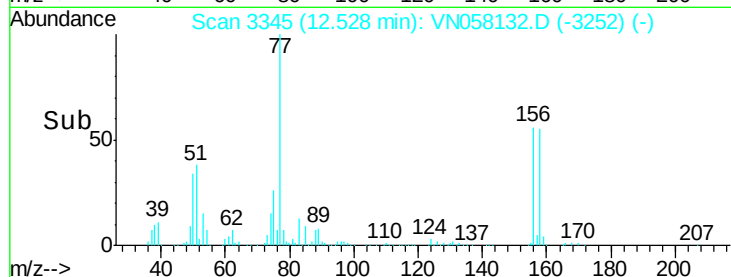
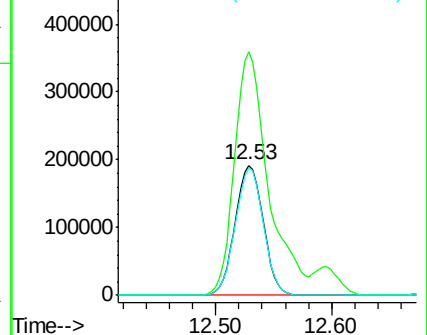
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.905 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058132.D

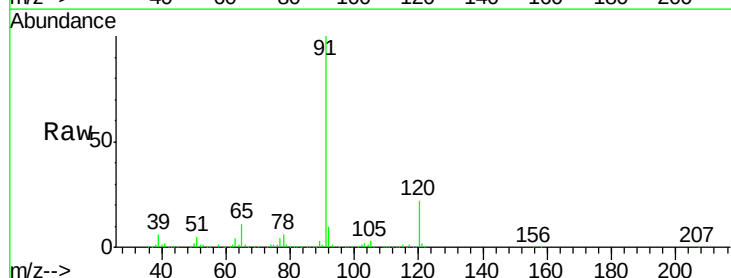
Acq: 16 Sep 2019 20:09

Tgt Ion: 91 Resp: 1610225

Ion Ratio Lower Upper

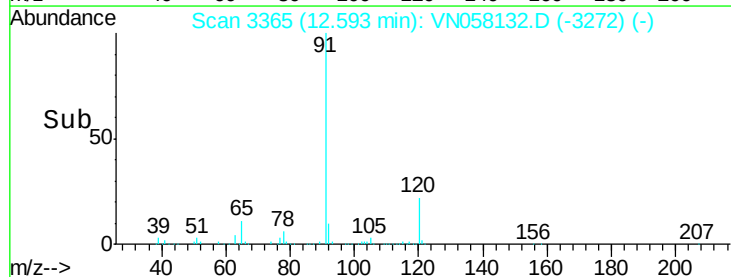
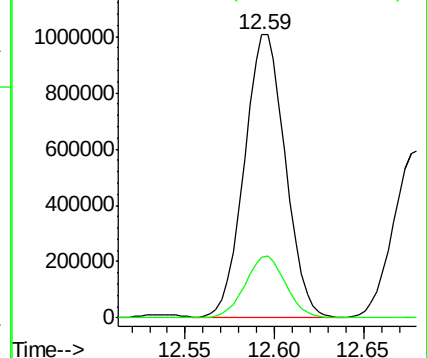
91 100

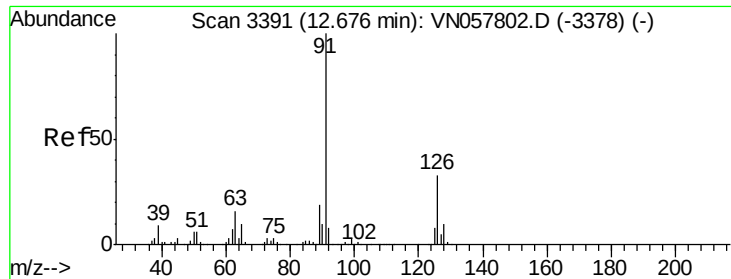
120 21.7 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.731 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 972468

Ion Ratio Lower Upper

91 100

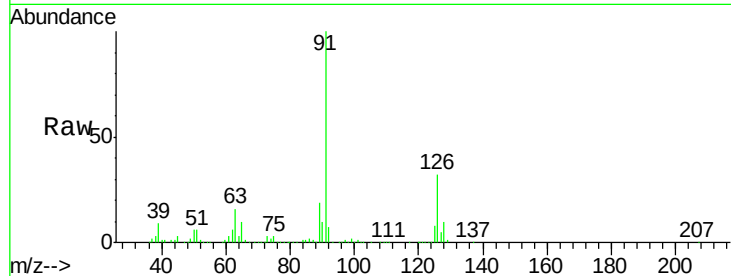
126 32.1 16.4 49.2

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Abundance Ion 91.00 (90.70 to 91.70): VN058132.D (-3298) (-)

Ion 125.90 (125.60 to 126.60): VN058132.D (-3298) (-)

1000000

800000

600000

400000

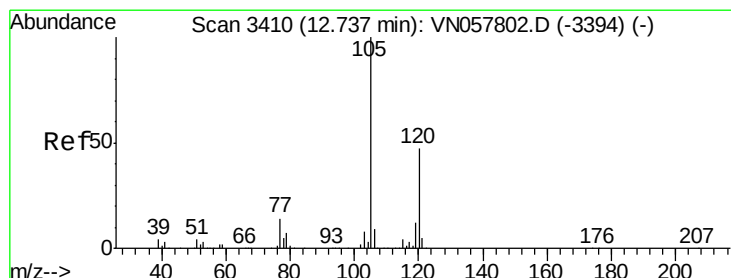
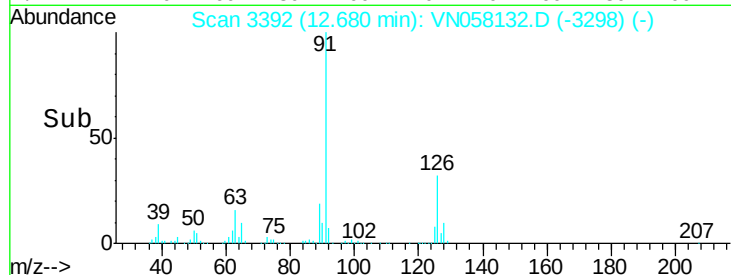
200000

0

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.649 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058132.D

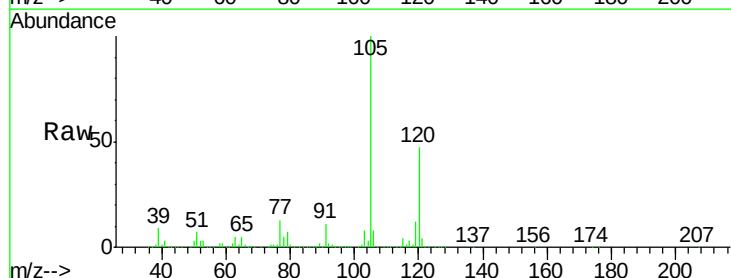
Acq: 16 Sep 2019 20:09

Tgt Ion: 105 Resp: 1178627

Ion Ratio Lower Upper

105 100

120 47.6 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN058132.D (-3317) (-)

Ion 120.00 (119.70 to 120.70): VN058132.D (-3317) (-)

800000

600000

400000

200000

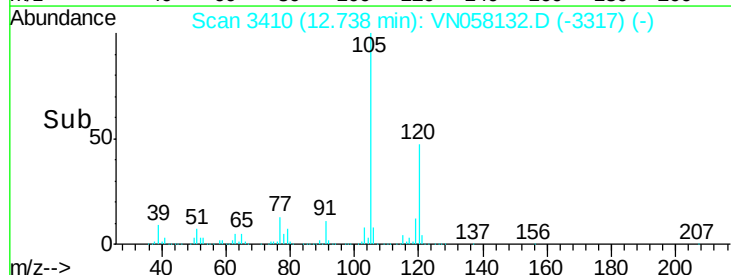
0

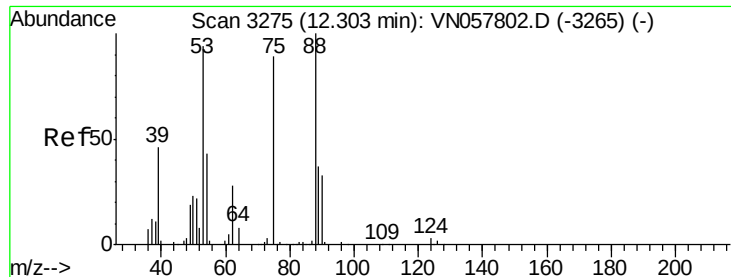
12.70

12.75

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 47.295 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

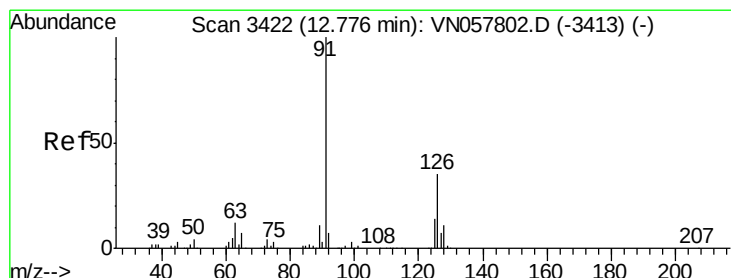
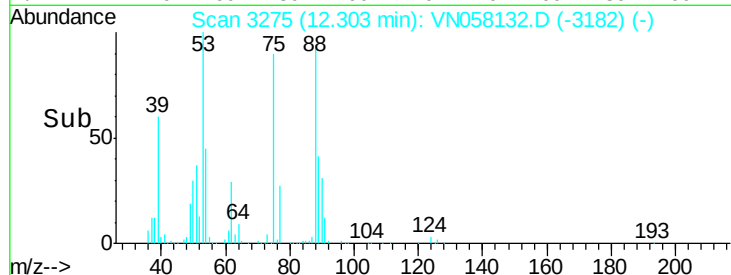
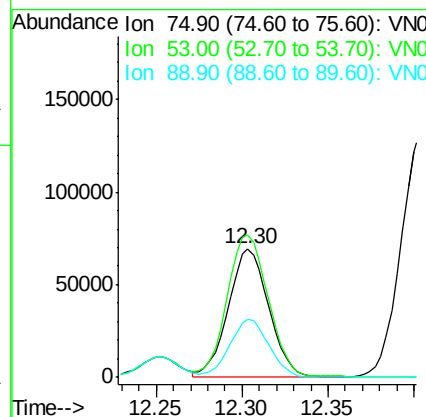
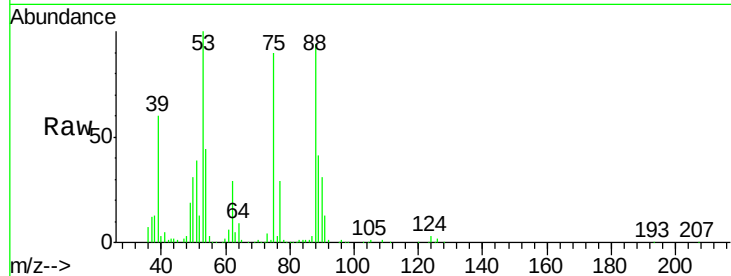
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	112343
Ion Ratio	Lower	Upper	
75	100		
53	114.3	88.4	132.6
89	44.6	35.3	52.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.451 ug/l

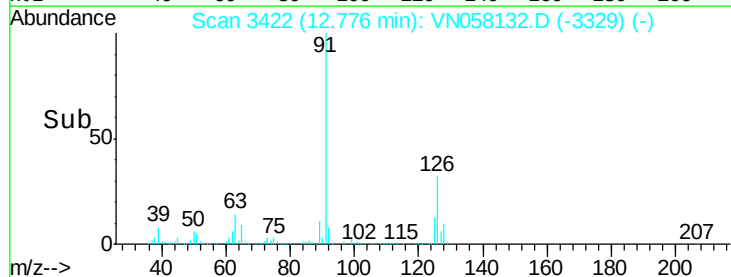
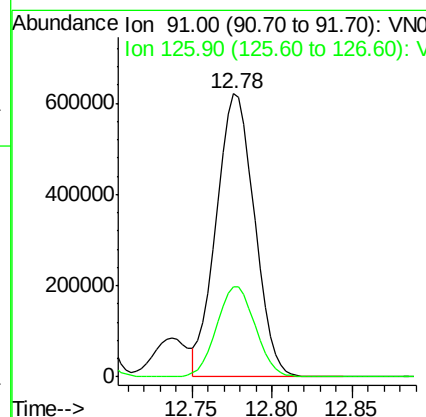
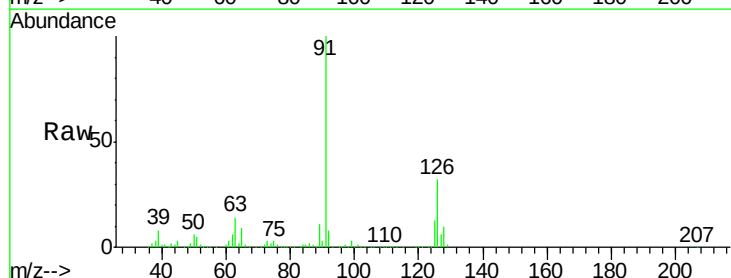
RT: 12.78 min Scan# 3422

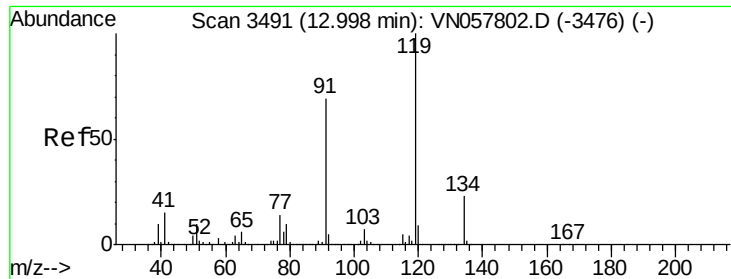
Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Tgt Ion:	91	Resp:	1014044
Ion Ratio	Lower	Upper	
91	100		
126	32.3	16.0	48.0





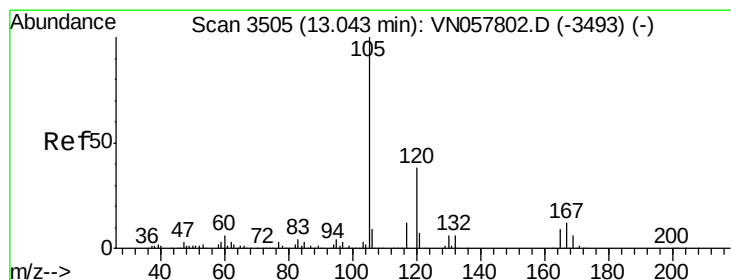
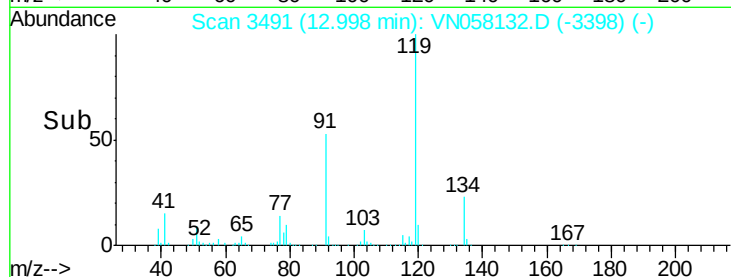
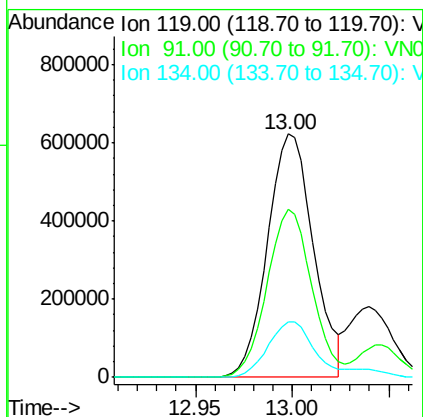
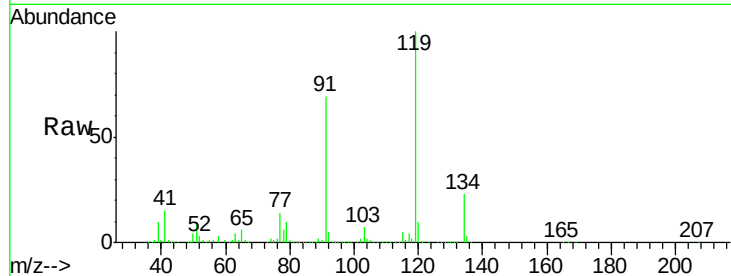
#83
 tert-Butylbenzene
 Concen: 47.896 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:119 Resp: 1031459
 Ion Ratio Lower Upper
 119 100
 91 67.4 33.6 100.8
 134 22.9 11.7 35.0

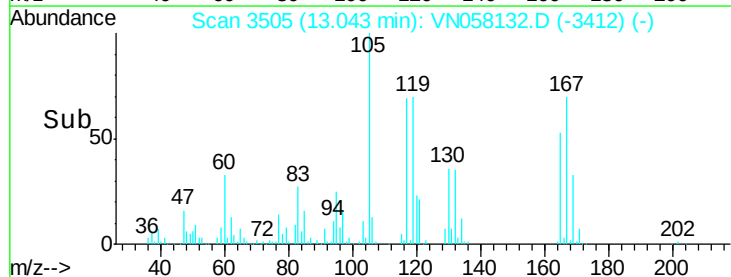
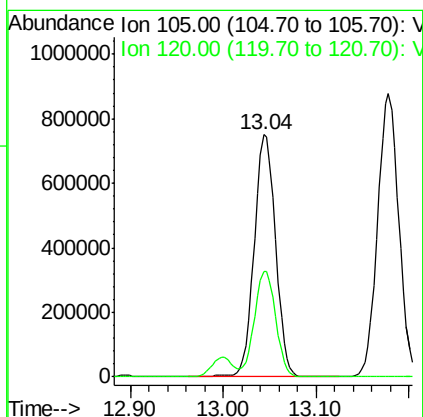
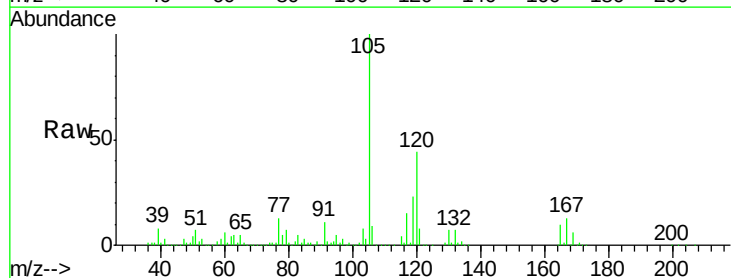
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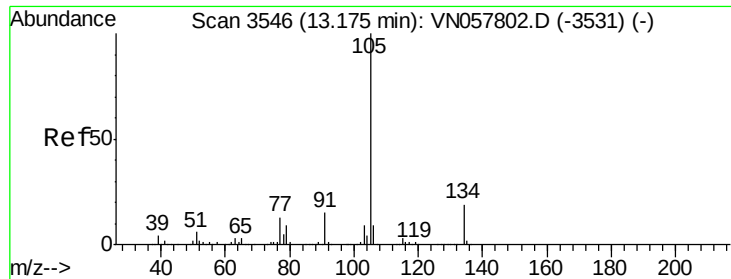
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.899 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

Tgt Ion:105 Resp: 1204051
 Ion Ratio Lower Upper
 105 100
 120 43.4 22.4 67.2





#85

sec-Butylbenzene

Concen: 48.623 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1387877

Ion Ratio Lower Upper

105 100

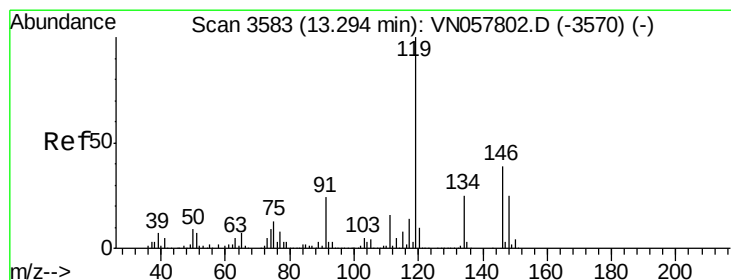
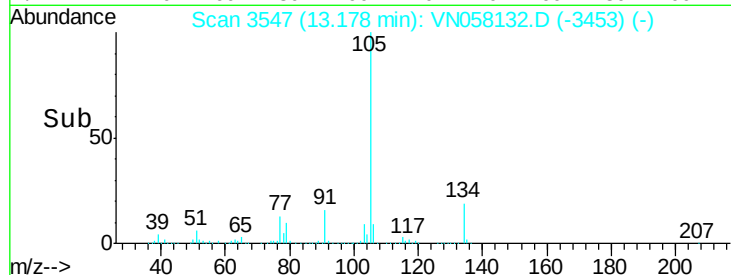
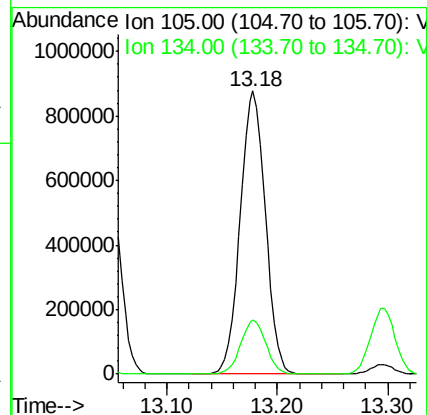
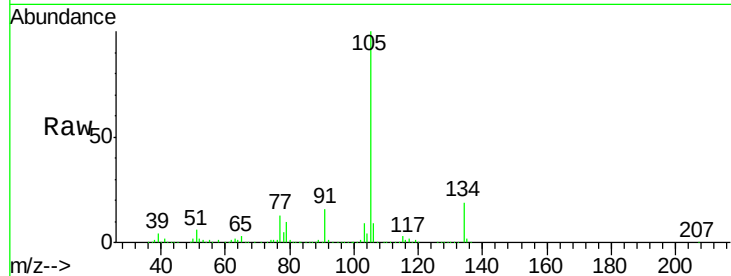
134 19.0 9.6 28.6

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#86

p-Isopropyltoluene

Concen: 49.613 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

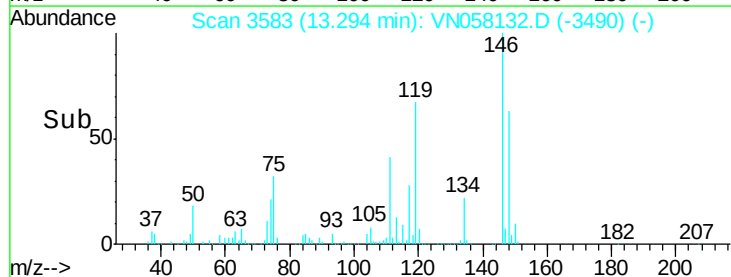
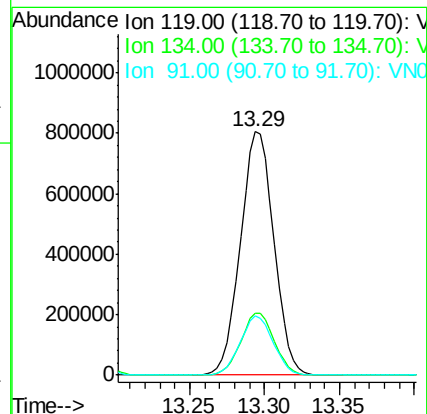
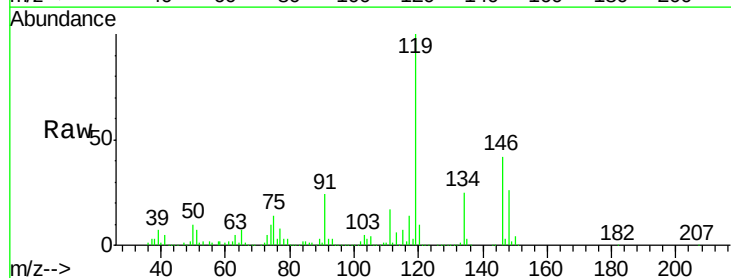
Tgt Ion:119 Resp: 1247759

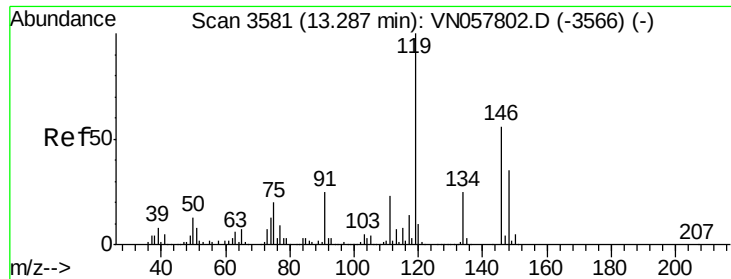
Ion Ratio Lower Upper

119 100

134 25.6 12.5 37.5

91 24.1 12.3 36.8





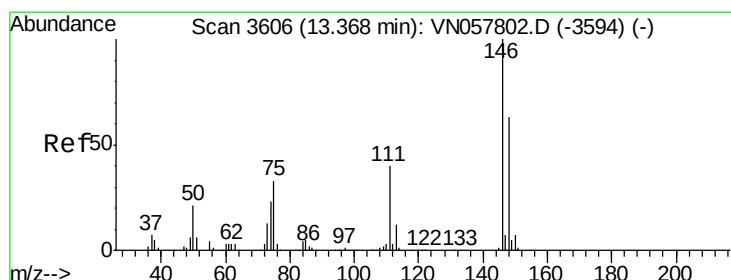
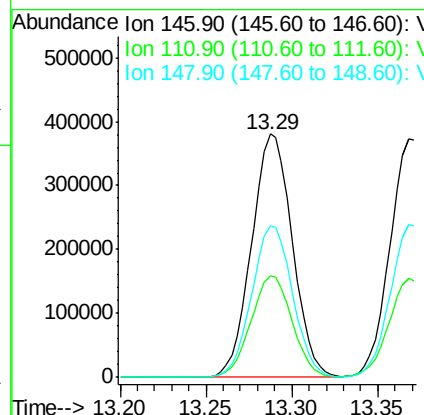
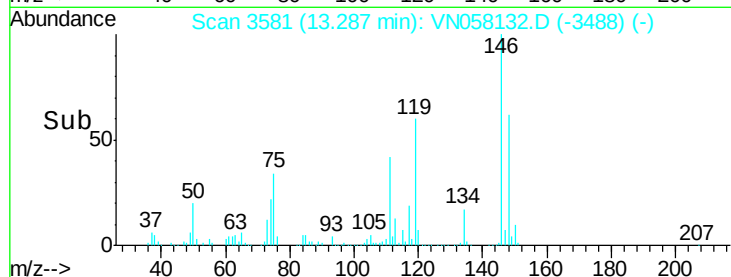
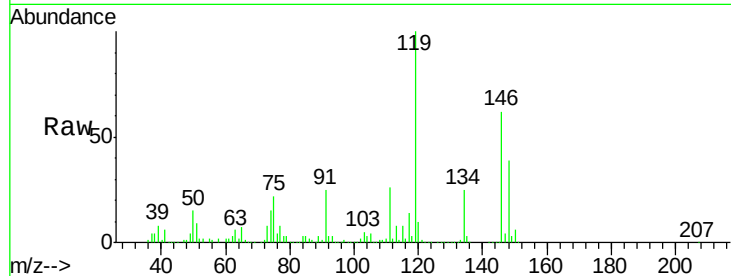
#87
 1,3-Dichlorobenzene
 Concen: 47.729 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.5	61.6
148	62.3	31.5	94.5

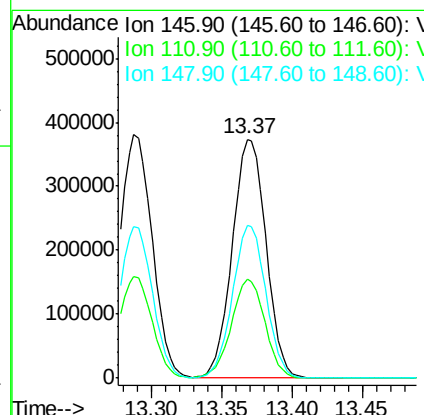
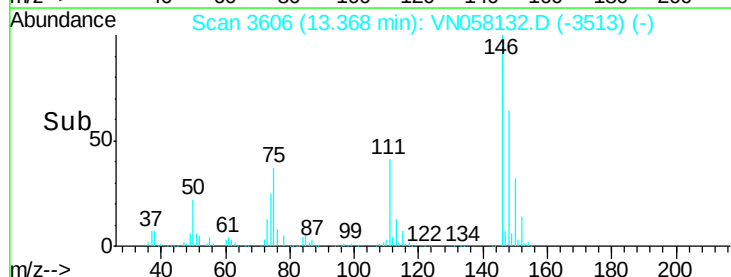
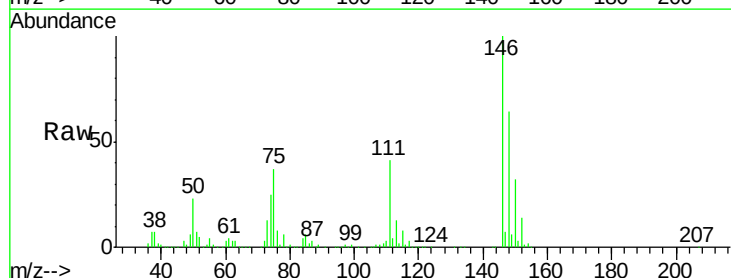
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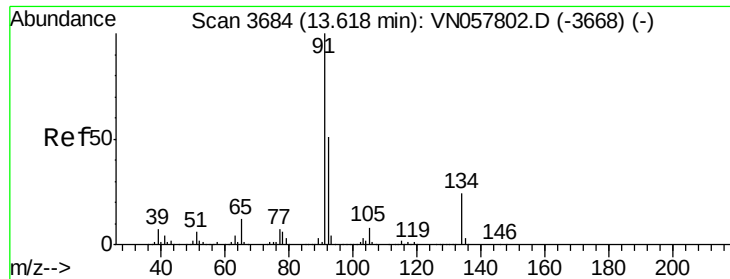
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#88
 1,4-Dichlorobenzene
 Concen: 46.892 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.4	61.2
148	63.3	31.8	95.4





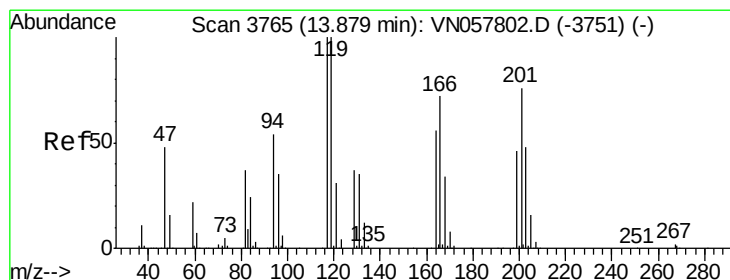
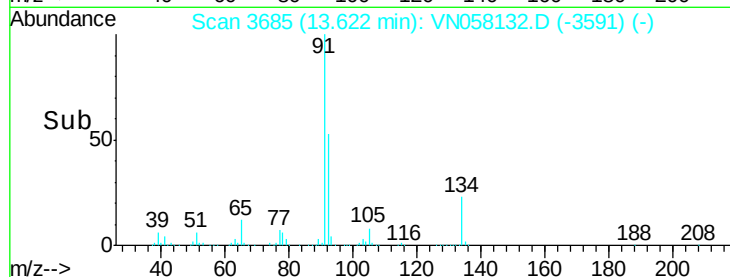
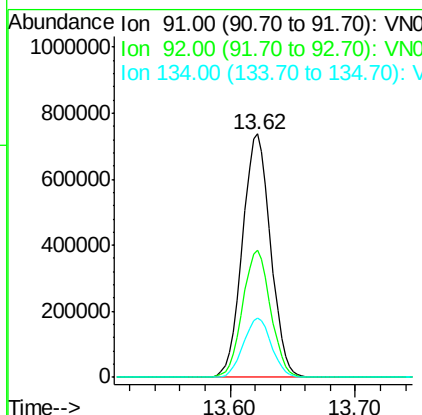
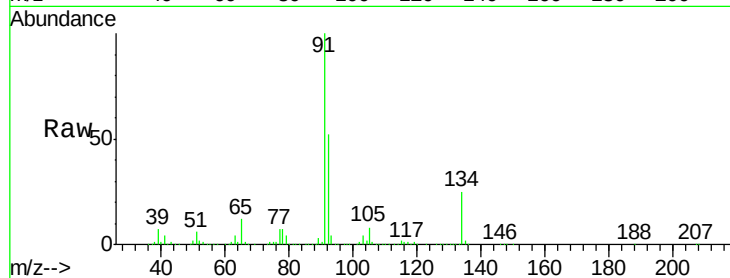
#89
n-Butylbenzene
Concen: 48.410 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1149762
Ion Ratio Lower Upper
91 100
92 51.9 25.7 77.0
134 24.5 11.9 35.7

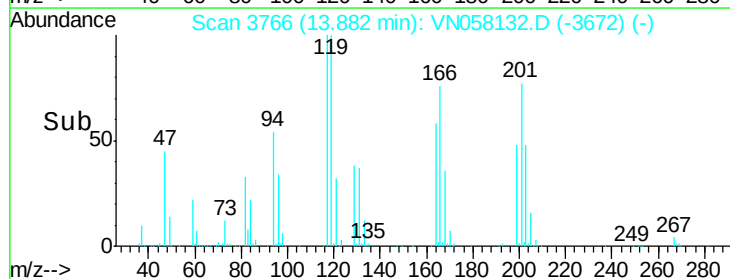
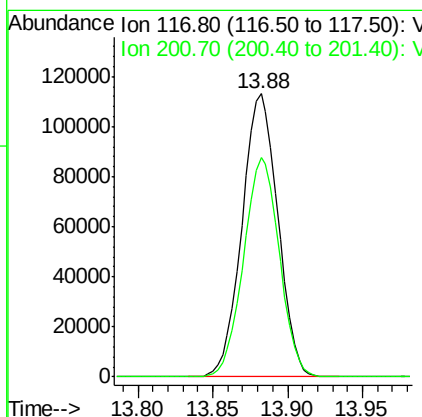
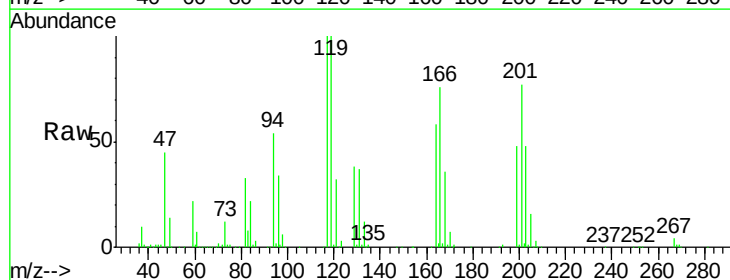
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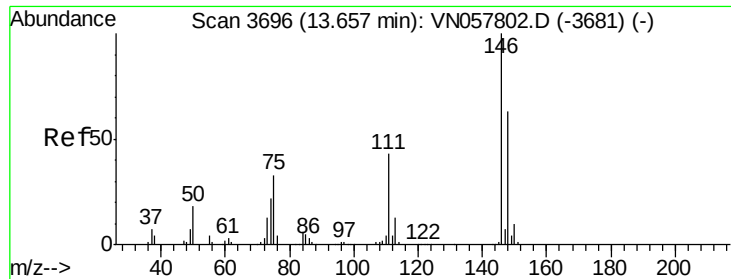
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#90
Hexachloroethane
Concen: 50.540 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Tgt Ion: 117 Resp: 189037
Ion Ratio Lower Upper
117 100
201 77.0 37.5 112.7





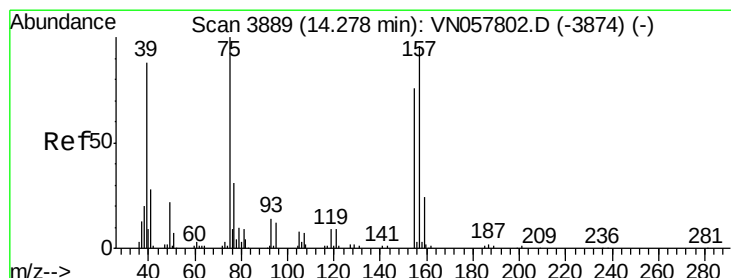
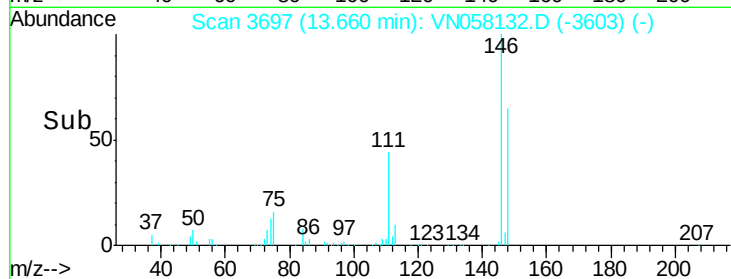
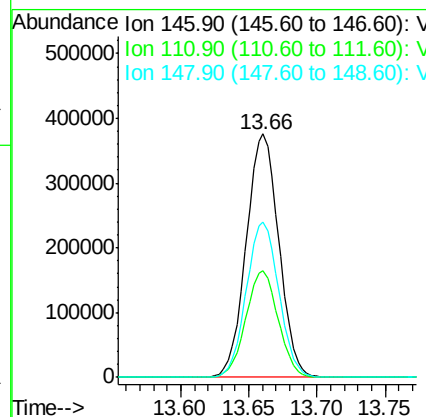
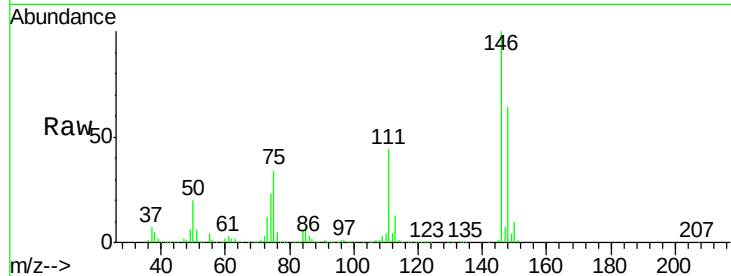
#91
 1,2-Dichlorobenzene
 Concen: 47.556 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.3	63.9
148	63.6	31.4	94.3

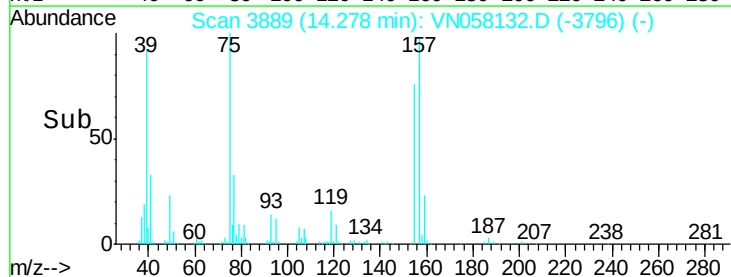
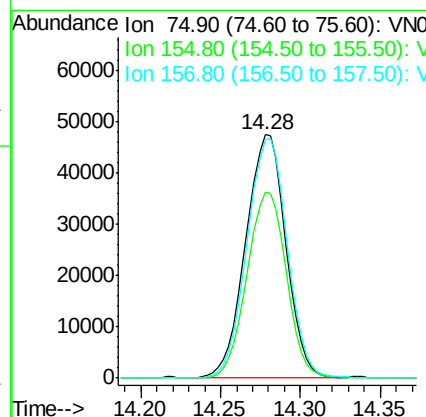
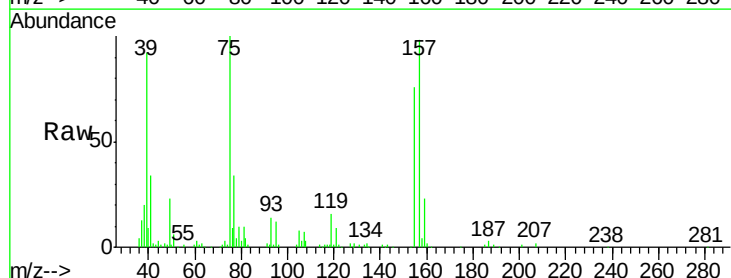
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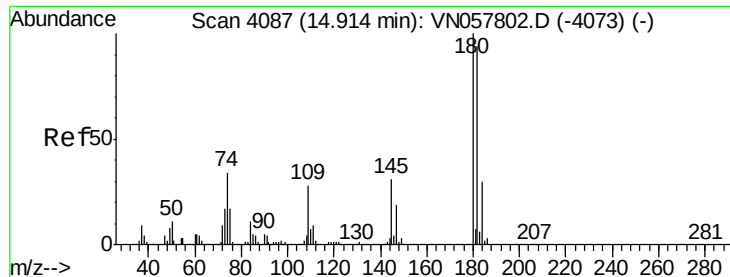
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 9/18/2019 2:56:43 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.091 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.8	37.3	111.8
157	98.7	47.9	143.8





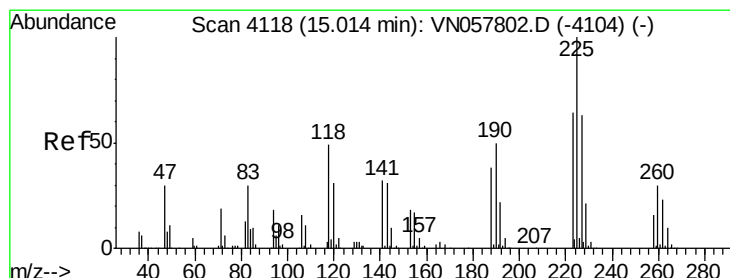
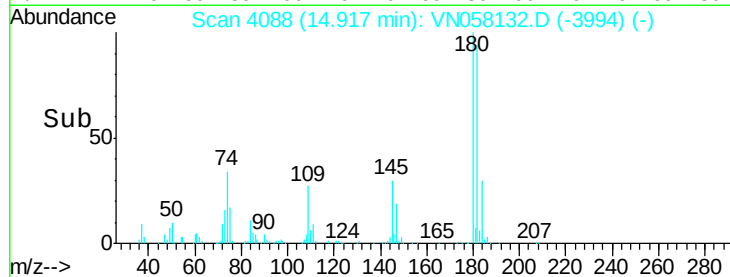
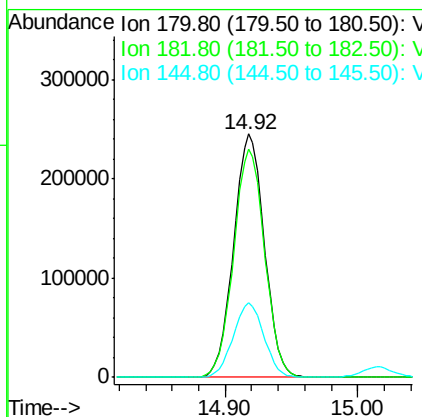
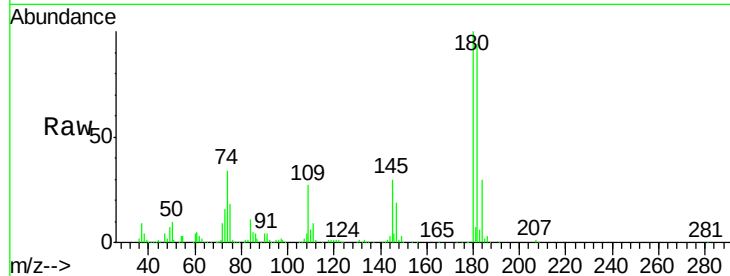
#93
 1,2,4-Trichlorobenzene
 Concen: 46.005 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	394192		
182	94.6	46.9	140.8	
145	30.6	14.9	44.7	

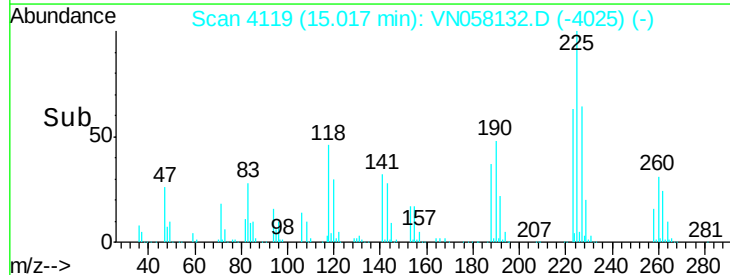
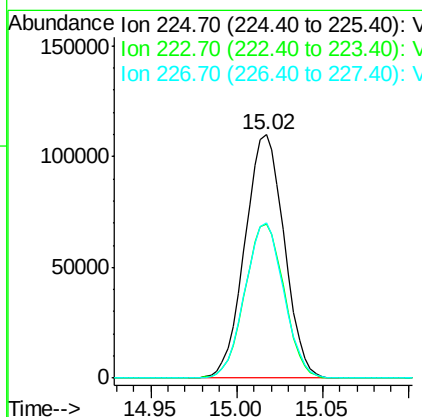
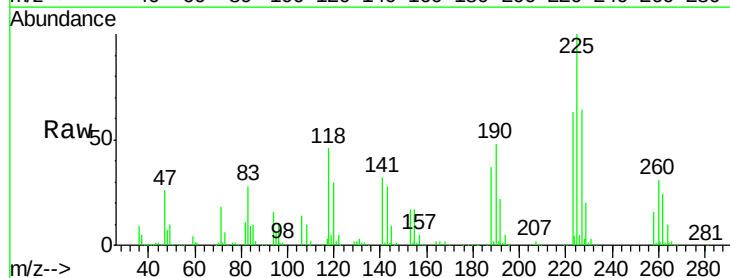
Manual Integrations
 APPROVED

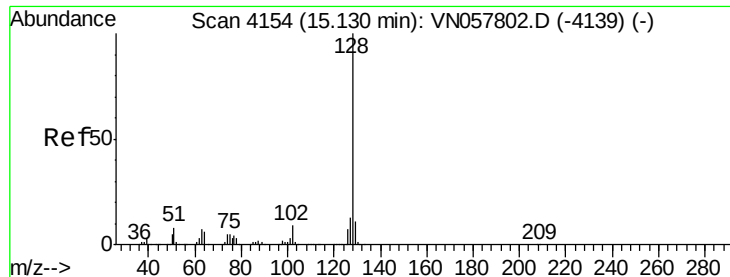
MMDadoda
 9/18/2019 2:56:43 PM



#94
 Hexachlorobutadiene
 Concen: 48.034 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	174467		
223	63.2	32.4	97.2	
227	63.1	31.8	95.4	





#95

Naphthalene

Concen: 51.339 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 1109623

Ion Ratio Lower Upper

128 100

127 12.5 10.3 15.5

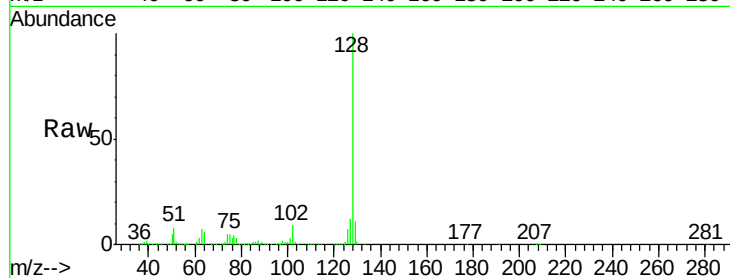
129 10.5 8.6 12.8

Manual Integrations

APPROVED

MMDadoda

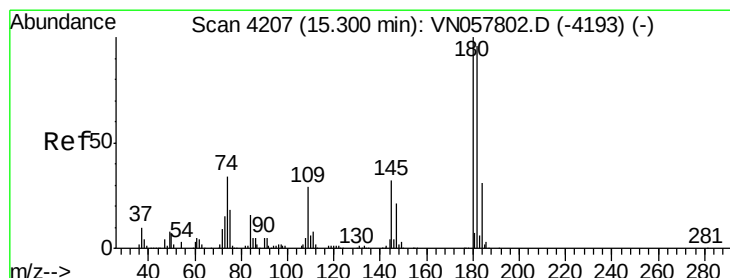
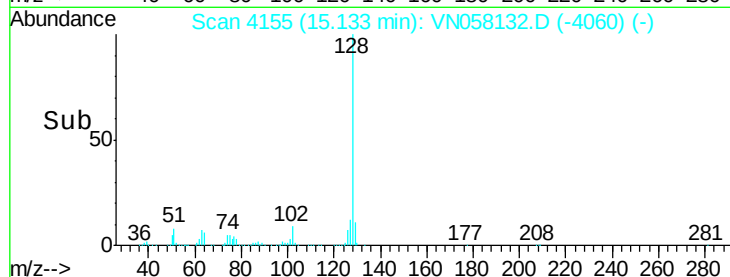
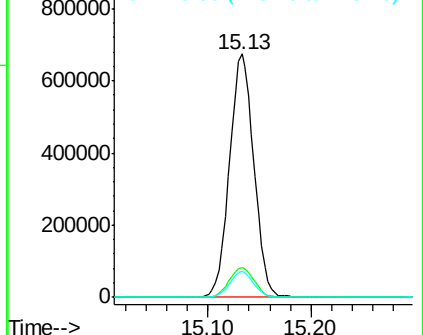
9/18/2019 2:56:43 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.908 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

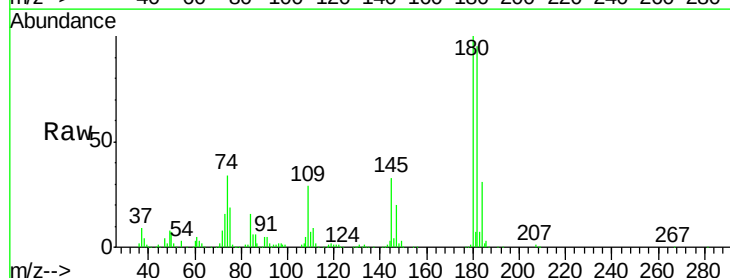
Tgt Ion:180 Resp: 365680

Ion Ratio Lower Upper

180 100

182 95.0 48.3 144.8

145 32.3 16.3 48.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

