

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058275.D
 Acq On : 23 Sep 2019 8:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:47:31 AM

Quant Time: Sep 23 13:03:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	470201	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	793108	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	735444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	366875	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	341162	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
35) Dibromofluoromethane	7.57	113	242651	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
50) Toluene-d8	10.09	98	963952	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
62) 4-Bromofluorobenzene	12.40	95	361893	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	171225	44.329	ug/l	98
3) Chloromethane	2.03	50	146786	49.287	ug/l	96
4) Vinyl Chloride	2.17	62	156324	47.978	ug/l	98
5) Bromomethane	2.54	94	87899	50.987	ug/l	98
6) Chloroethane	2.68	64	107581	51.642	ug/l	99
7) Trichlorofluoromethane	3.00	101	236864	44.927	ug/l	99
8) Diethyl Ether	3.39	74	111131	46.003	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.74	101	180583	47.506	ug/l	99
10) Methyl Iodide	3.93	142	149509	46.938	ug/l	100
11) Tert butyl alcohol	4.75	59	184273	236.546	ug/l	100
12) 1,1-Dichloroethene	3.72	96	141859	49.170	ug/l	93
13) Acrolein	3.59	56	37232	322.502	ug/l	100
14) Allyl chloride	4.30	41	274984	44.209	ug/l	91
15) Acrylonitrile	4.96	53	541815	261.050	ug/l	100
16) Acetone	3.79	43	655079	294.684	ug/l	98
17) Carbon Disulfide	4.03	76	191834	47.259	ug/l	98
18) Methyl Acetate	4.30	43	287383	49.130	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	720711	50.269	ug/l	99
20) Methylene Chloride	4.53	84	200247	51.457	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	154603	49.176	ug/l	97
22) Diisopropyl ether	5.93	45	811609	51.367	ug/l	99
23) Vinyl Acetate	5.87	43	2929910	271.001	ug/l	100
24) 1,1-Dichloroethane	5.82	63	419704	49.770	ug/l	99
25) 2-Butanone	6.81	43	847826	279.944	ug/l	99
26) 2,2-Dichloropropane	6.80	77	356431	49.821	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	233464	48.962	ug/l	99
28) Bromochloromethane	7.18	49	214916	53.873	ug/l	98
29) Tetrahydrofuran	7.19	42	458763	245.919	ug/l	99
30) Chloroform	7.35	83	452609	49.862	ug/l	99
31) Cyclohexane	7.63	56	264642	48.475	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	351258	50.831	ug/l	99
36) 1,1-Dichloropropene	7.78	75	260545	45.554	ug/l	100
37) Ethyl Acetate	6.91	43	300976	50.707	ug/l	100
38) Carbon Tetrachloride	7.76	117	282782	49.185	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	261706	47.329	ug/l	98
40) Benzene	8.03	78	842149	48.207	ug/l	100
41) Methacrylonitrile	7.16	41	167723	55.980	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	362496	49.452	ug/l	100
43) Isopropyl Acetate	8.15	43	535744	48.329	ug/l #	92
44) Trichloroethene	8.82	130	206759	48.365	ug/l	99
45) 1,2-Dichloropropane	9.11	63	265561	50.903	ug/l	99
46) Dibromomethane	9.20	93	156850	49.451	ug/l	99
47) Bromodichloromethane	9.39	83	356974	53.721	ug/l	100
48) Methyl methacrylate	9.19	41	261923	52.039	ug/l	99
49) 1,4-Dioxane	9.19	88	87112	1054.169	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1686155	286.370	ug/l	99
52) Toluene	10.15	92	537272	49.074	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	373321	54.846	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	395062	52.569	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	253395	52.155	ug/l	98
56) Ethyl methacrylate	10.43	69	378737	54.028	ug/l	99
57) 1,3-Dichloropropane	10.71	76	425568	50.952	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	936453	280.454	ug/l	100
59) 2-Hexanone	10.75	43	1315286	300.776	ug/l	98
60) Dibromochloromethane	10.90	129	266004	56.910	ug/l	100
61) 1,2-Dibromoethane	11.00	107	230097	51.103	ug/l	100
64) Tetrachloroethene	10.63	164	163450	45.591	ug/l	99
65) Chlorobenzene	11.43	112	633217	48.950	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	249602	53.213	ug/l	100
67) Ethyl Benzene	11.51	91	1139803	51.422	ug/l	100
68) m/p-Xylenes	11.62	106	834069	99.910	ug/l	98
69) o-Xylene	11.95	106	419262	51.075	ug/l	100
70) Styrene	11.97	104	756754	53.505	ug/l	100
71) Bromoform	12.13	173	172830	49.720	ug/l #	99
73) Isopropylbenzene	12.25	105	1197476	52.146	ug/l	99
74) N-amyl acetate	12.07	43	523253	54.467	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	398915	51.874	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	335989m	51.172	ug/l	
77) Bromobenzene	12.53	156	282248	48.862	ug/l	98
78) n-propylbenzene	12.60	91	1421941	54.490	ug/l	99
79) 2-Chlorotoluene	12.68	91	853099	52.310	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1025575	52.813	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	107292	48.792	ug/l	99
82) 4-Chlorotoluene	12.78	91	886342	51.702	ug/l	99
83) tert-Butylbenzene	13.00	119	893636	51.604	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	1048142	54.238	ug/l	99
85) sec-Butylbenzene	13.18	105	1232108	54.409	ug/l	100
86) p-Isopropyltoluene	13.30	119	1105849	54.930	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	544074	51.568	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	545312	50.627	ug/l	100
89) n-Butylbenzene	13.62	91	1022443	53.568	ug/l	100
90) Hexachloroethane	13.88	117	182037	51.476	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	543463	51.351	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	74657	53.925	ug/l	98

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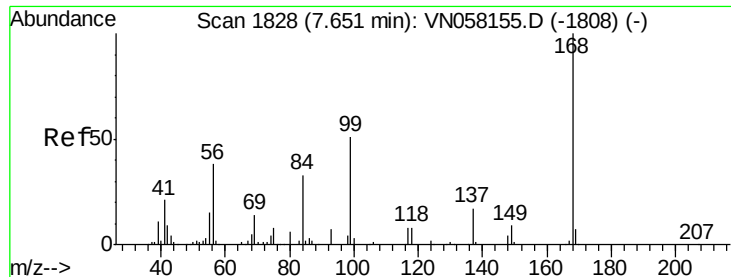
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	339058	50.142	ug/l	99
94) Hexachlorobutadiene	15.02	225	152163	46.557	ug/l	100
95) Naphthalene	15.13	128	904845	51.634	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	315907	49.428	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Instrument :

MSVOA_N

ClientSampleID :

VSTDCCC050

Tot Ion:168 Resp: 470201

Ion Ratio Lower Upper

168 100

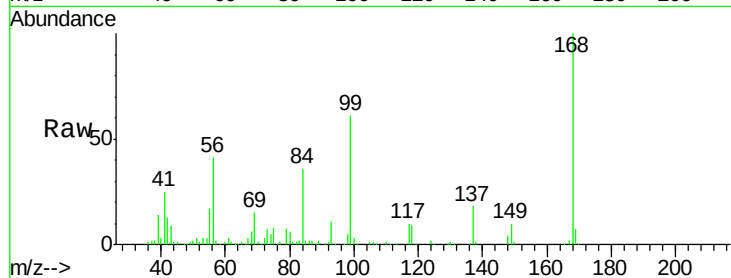
99 60.1 47.4 71.2

Manual Integrations

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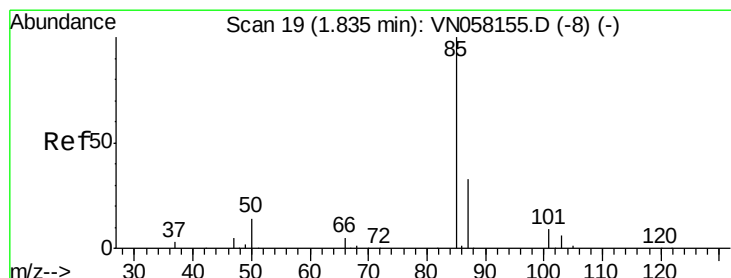
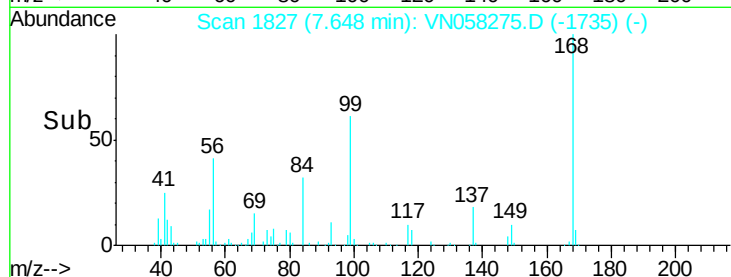
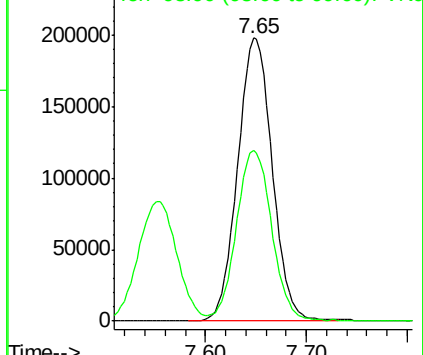
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 44.329 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058275.D

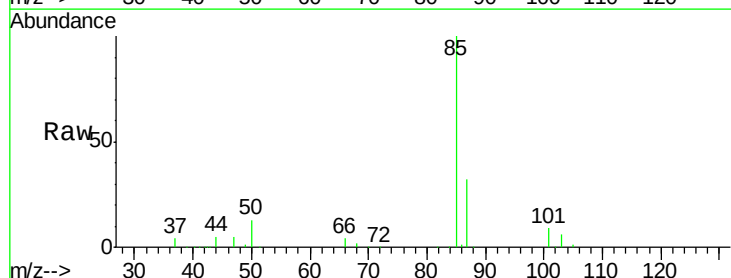
Acq: 23 Sep 2019 8:42

Tgt Ion: 85 Resp: 171225

Ion Ratio Lower Upper

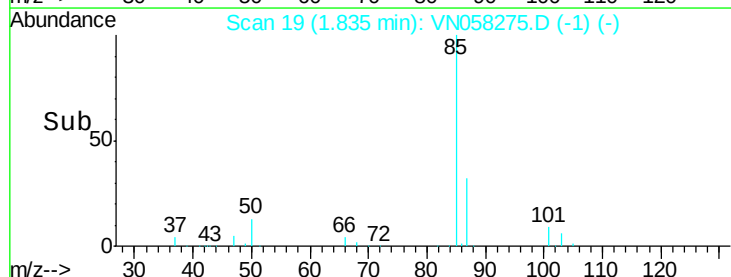
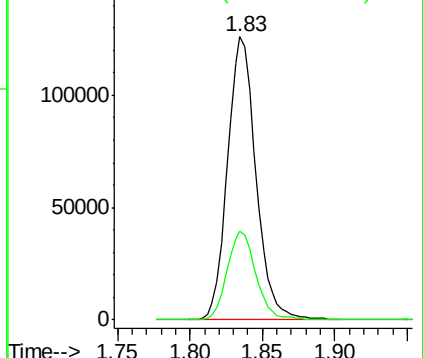
85 100

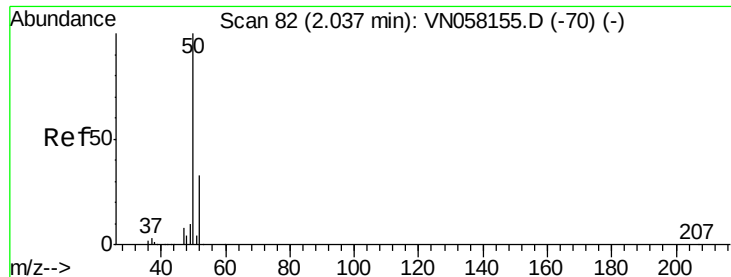
87 31.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 49.287 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 146786

Ion Ratio Lower Upper

50 100

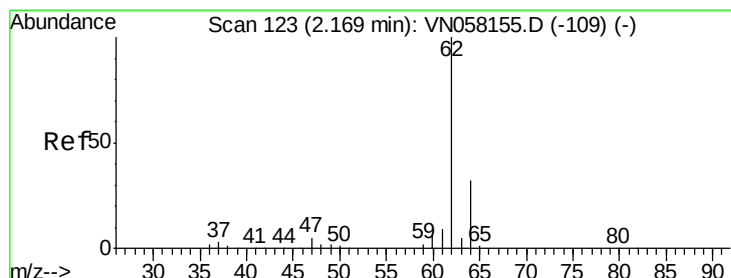
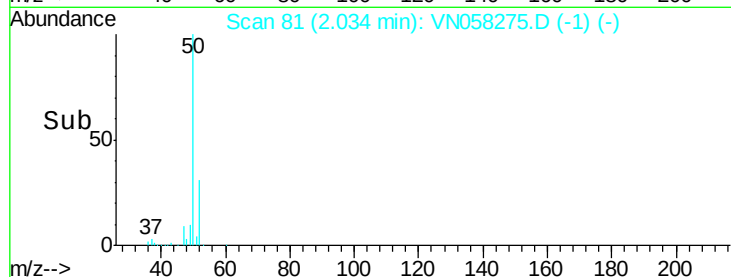
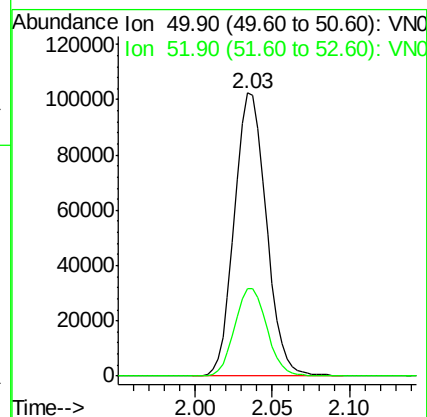
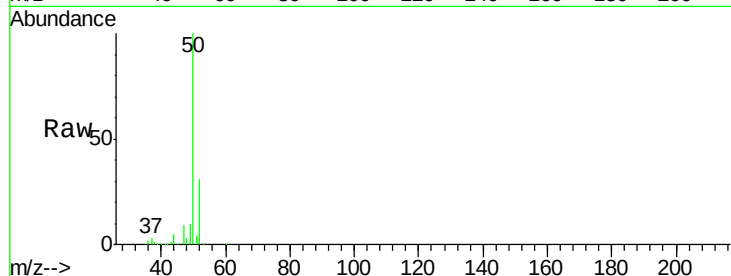
52 30.8 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.978 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058275.D

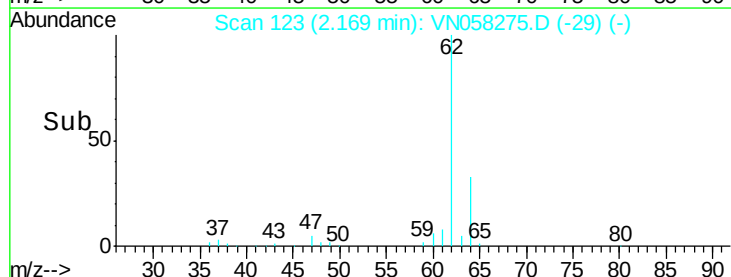
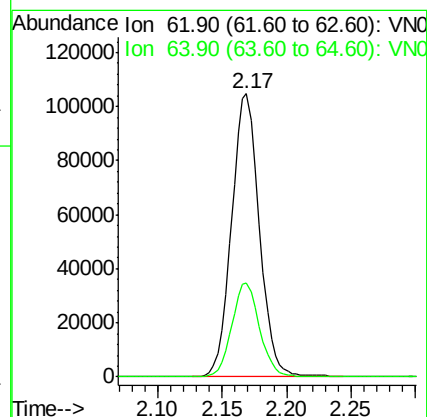
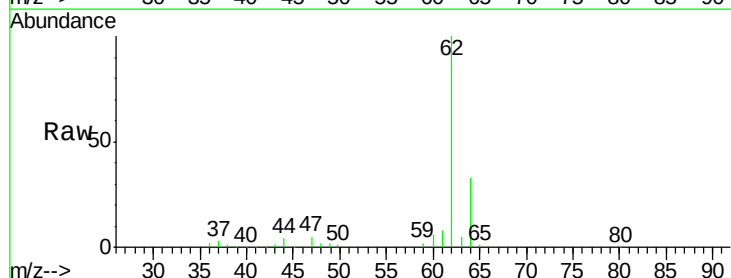
Acq: 23 Sep 2019 8:42

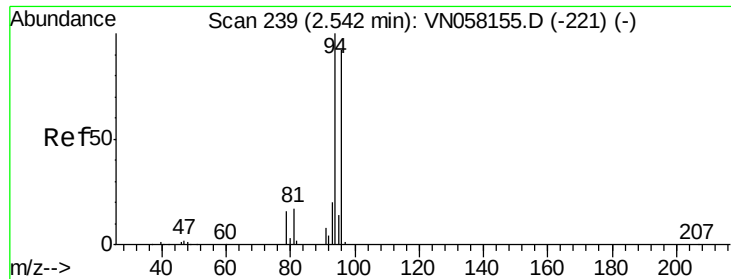
Tgt Ion: 62 Resp: 156324

Ion Ratio Lower Upper

62 100

64 33.2 25.4 38.2





#5

Bromomethane

Concen: 50.987 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 87899

Ion Ratio Lower Upper

94 100

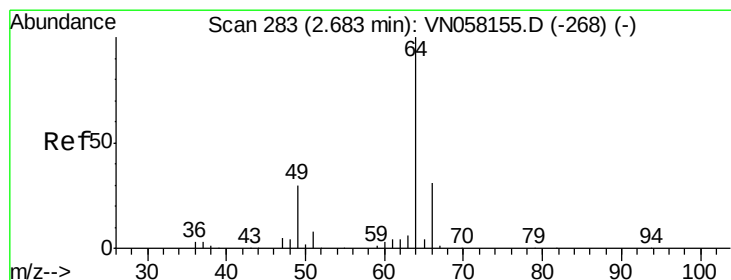
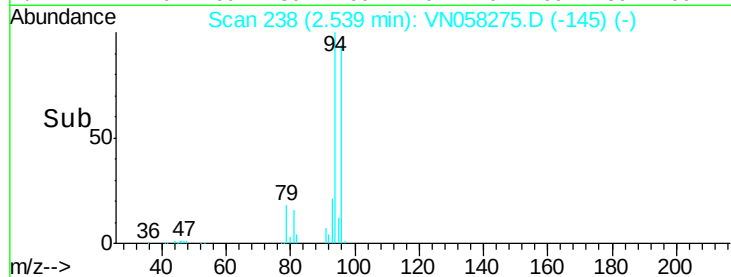
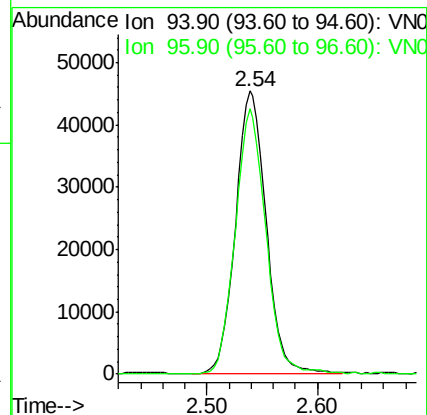
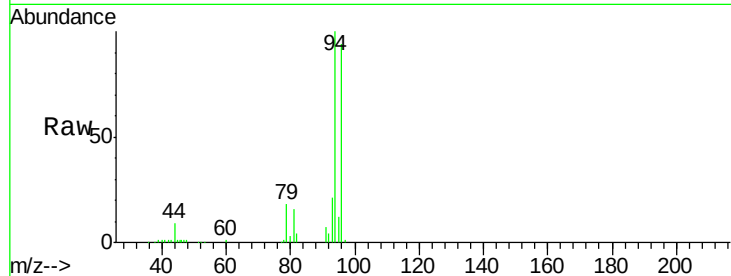
96 93.6 73.3 109.9

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#6

Chloroethane

Concen: 51.642 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN058275.D

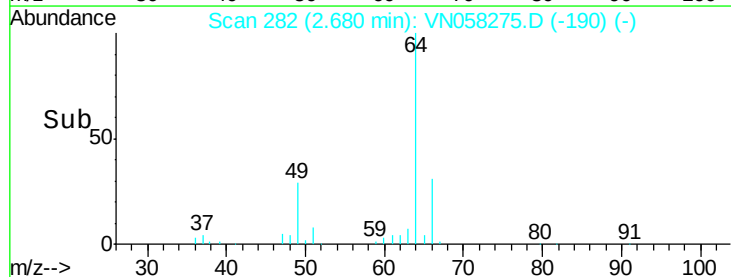
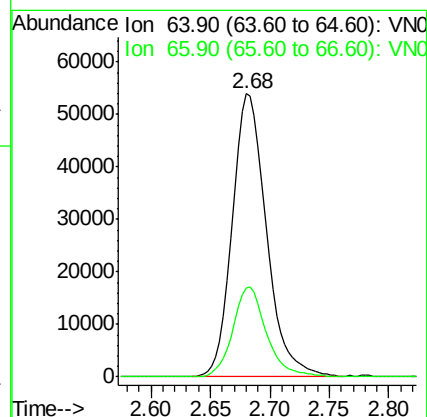
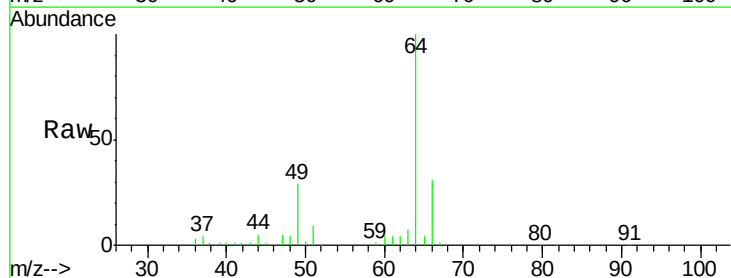
Acq: 23 Sep 2019 8:42

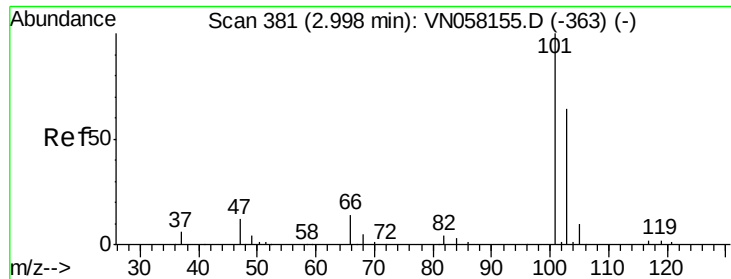
Tgt Ion: 64 Resp: 107581

Ion Ratio Lower Upper

64 100

66 31.4 24.6 37.0





#7

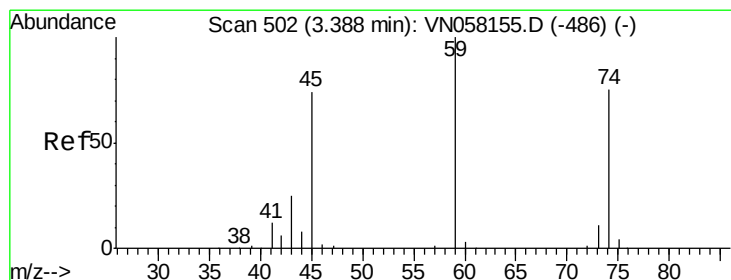
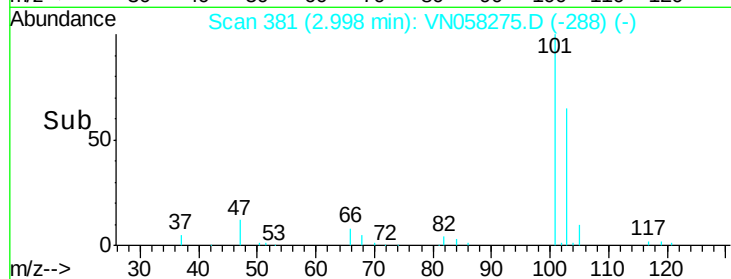
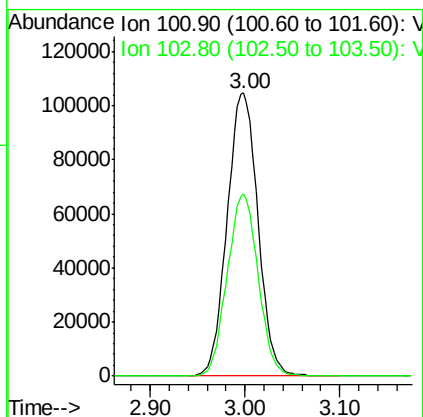
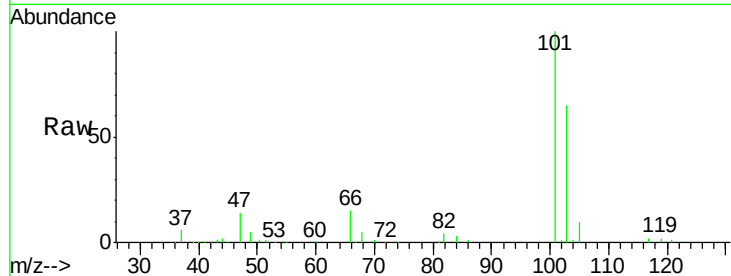
Trichlorofluoromethane
Concen: 44.927 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

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VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		236864		
103	64.6	51.0	76.6		

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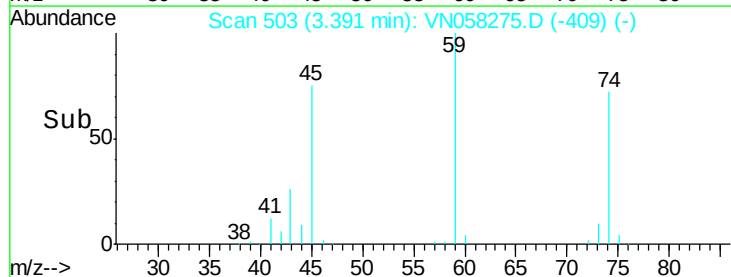
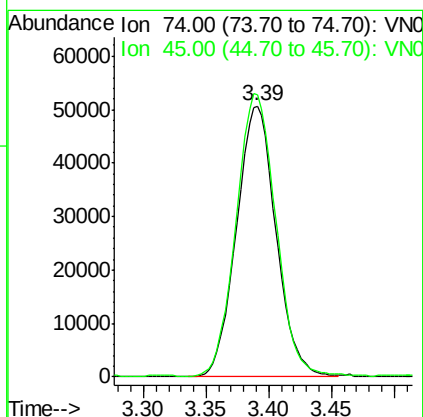
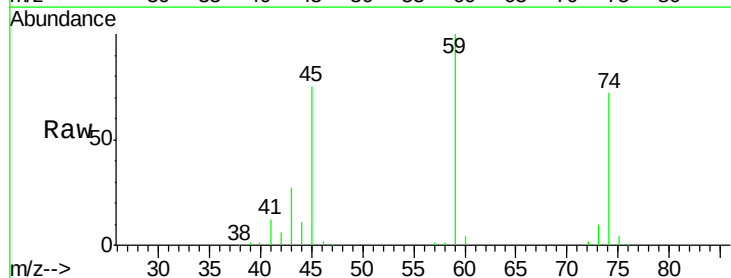
MMDadoda
9/25/2019 12:47:31 AM

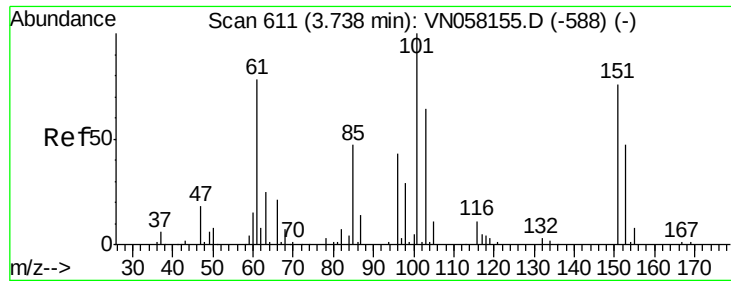


#8

Diethyl Ether
Concen: 46.003 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		111131		
45	106.1	48.5	145.5		





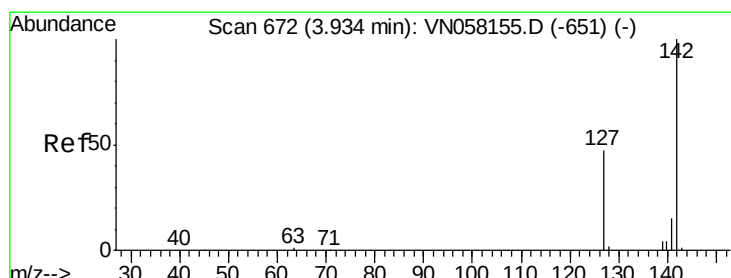
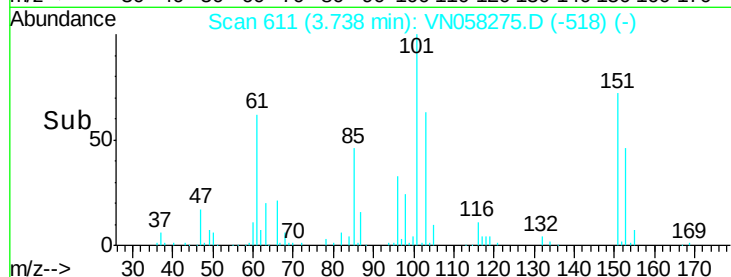
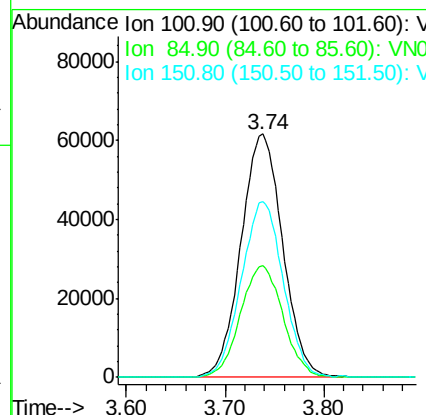
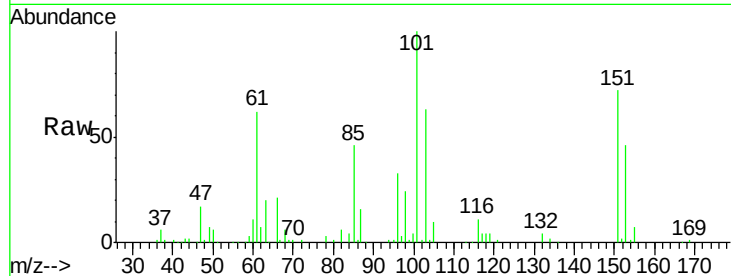
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.506 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument :
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 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	180583		
85	46.9	37.3	55.9	
151	72.7	59.6	89.4	

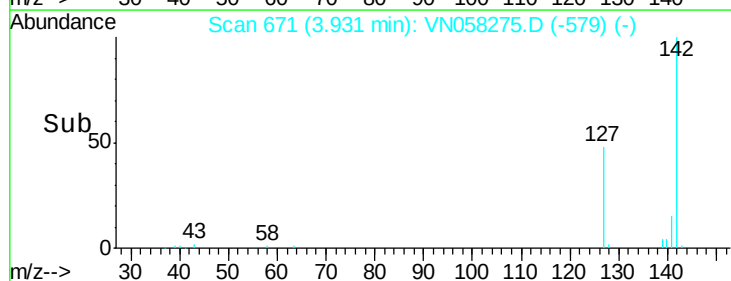
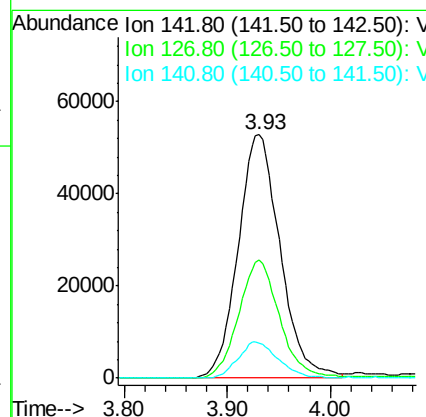
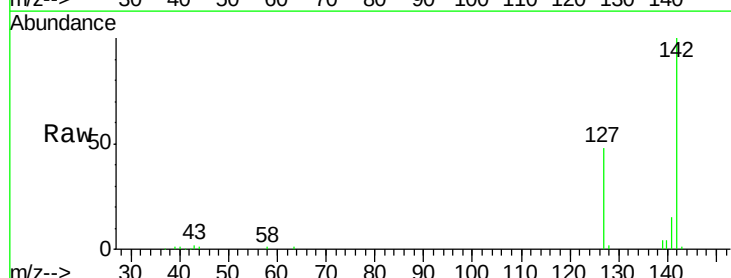
Manual Integrations
 APPROVED

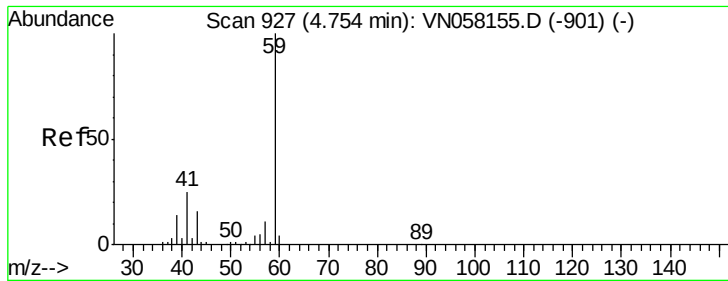
MMDadoda
 9/25/2019 12:47:31 AM



#10
 Methyl Iodide
 Concen: 46.938 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. -0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	149509		
127	47.3	37.5	56.3	
141	14.3	11.4	17.2	





#11

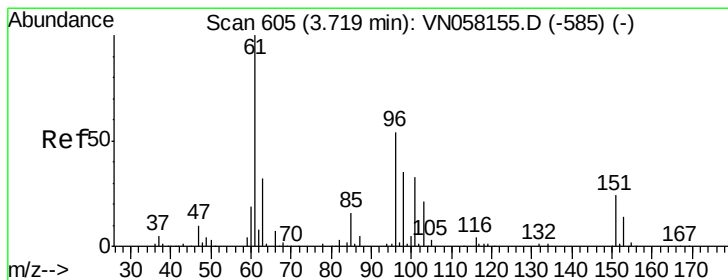
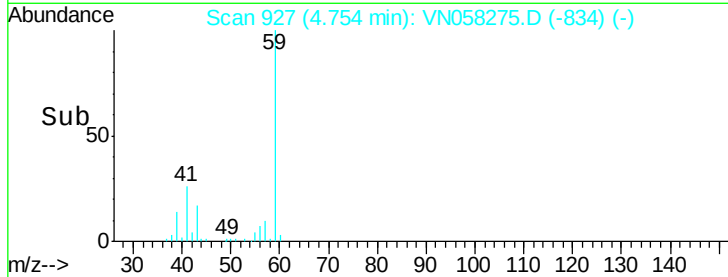
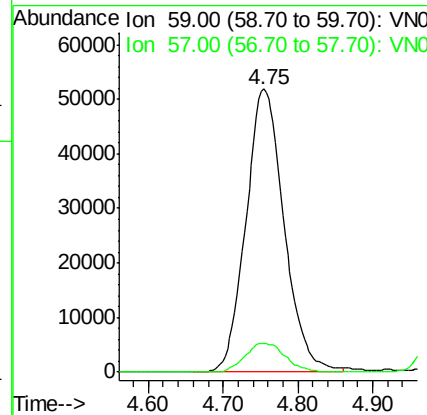
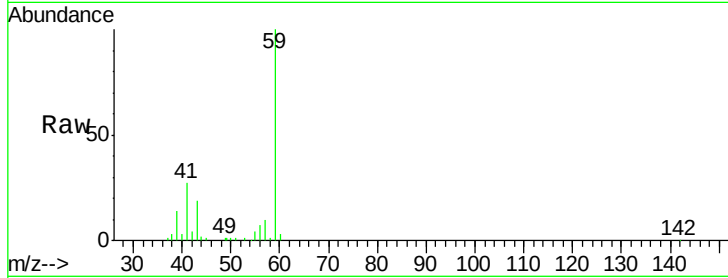
Tert butyl alcohol
Concen: 236.546 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	184273		
57	10.7		8.6	13.0

Manual Integrations
APPROVED

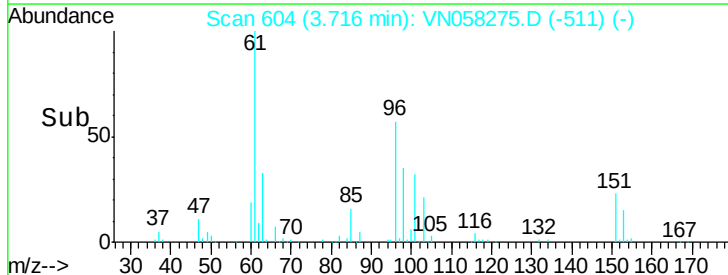
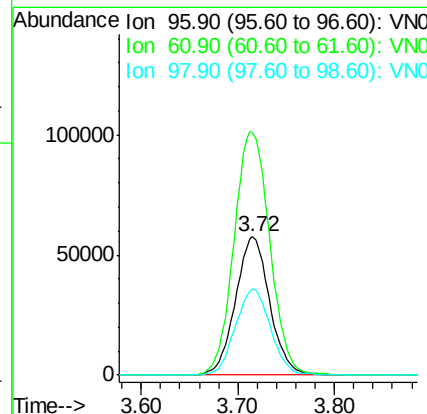
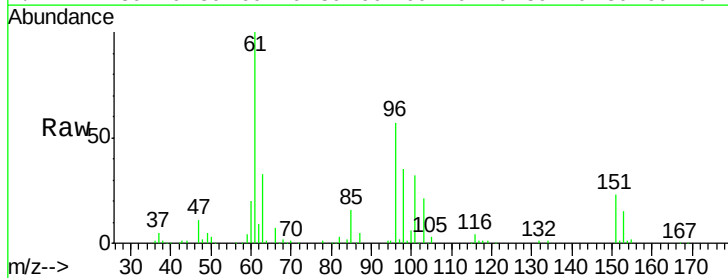
MMDadoda
9/25/2019 12:47:31 AM

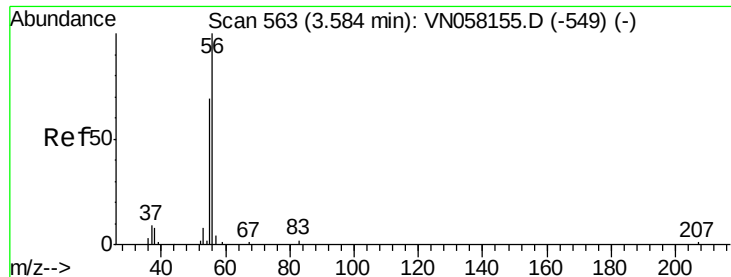


#12

1,1-Dichloroethene
Concen: 49.170 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	141859		
61	175.3		149.5	224.3
98	62.0		52.4	78.6





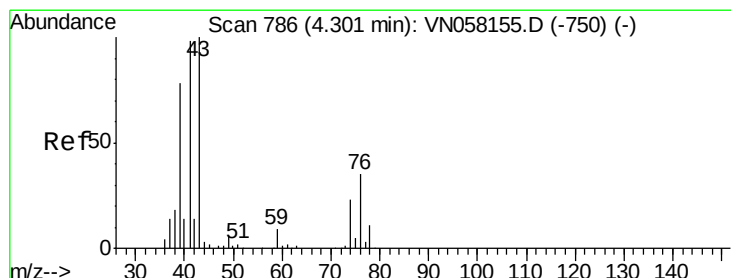
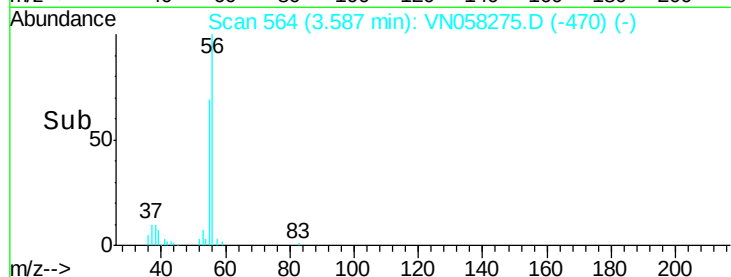
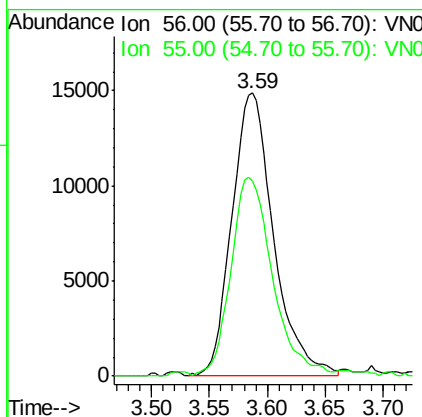
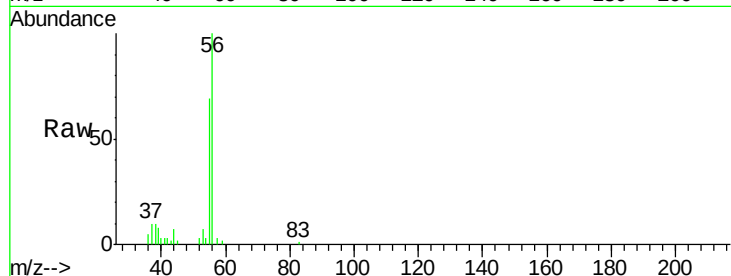
#13
Acrolein
Concen: 322.502 ug/l
RT: 3.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	37232
Ion Ratio	Lower	Upper	
56	100		
55	70.1	56.1	84.1

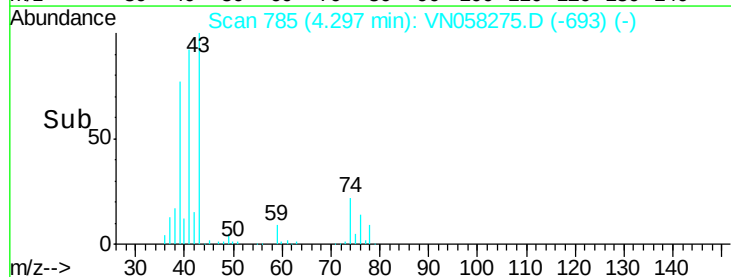
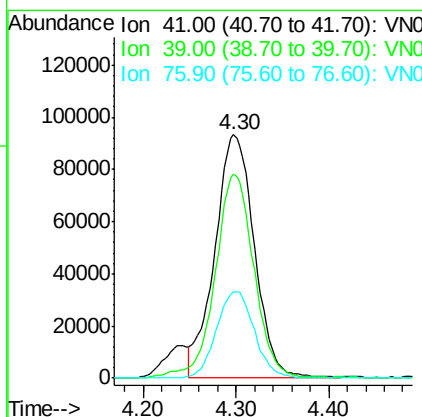
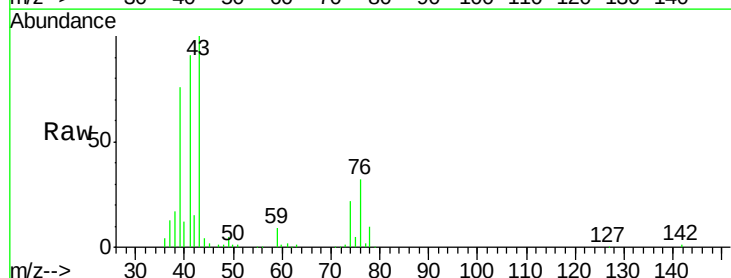
Manual Integrations
APPROVED

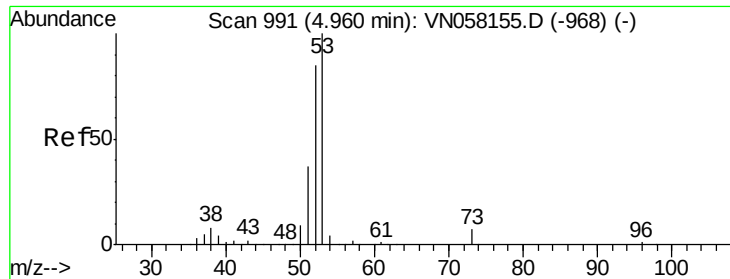
MMDadoda
9/25/2019 12:47:31 AM



#14
Allyl chloride
Concen: 44.209 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Tgt Ion	41	Resp	274984
Ion Ratio	Lower	Upper	
41	100		
39	82.4	59.1	88.7
76	34.2	25.1	37.7





#15

Acrylonitrile

Concen: 261.050 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Instrument :

MSVOA_N

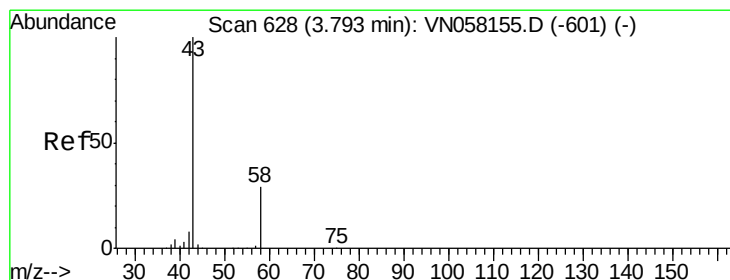
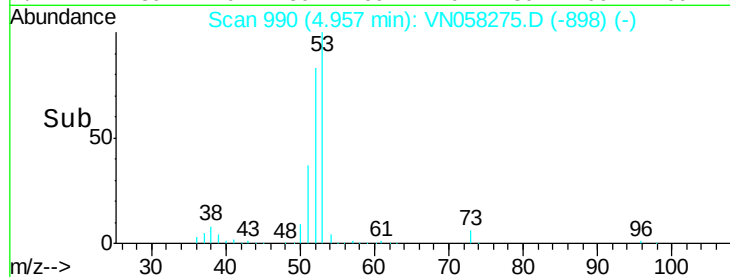
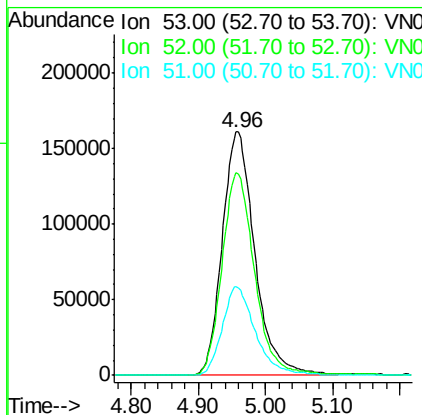
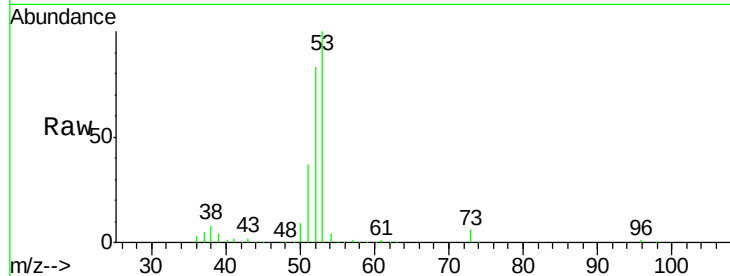
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	541815
Ion Ratio	Lower	Upper	
53	100		
52	83.1	66.6	100.0
51	37.2	29.7	44.5

Manual Integrations
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9/25/2019 12:47:31 AM



#16

Acetone

Concen: 294.684 ug/l

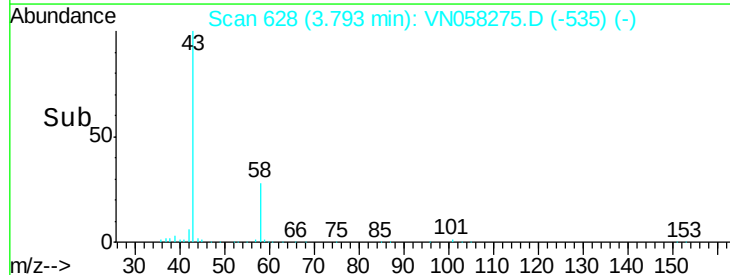
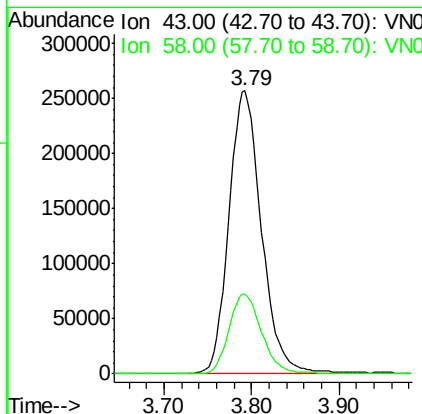
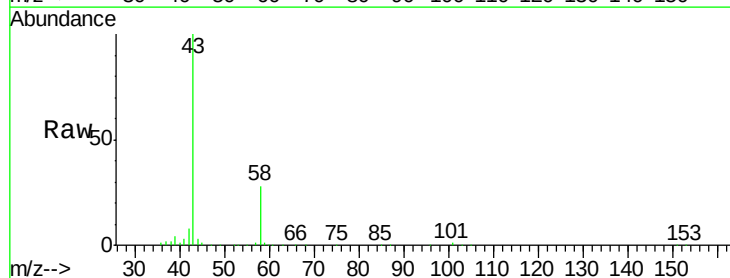
RT: 3.79 min Scan# 628

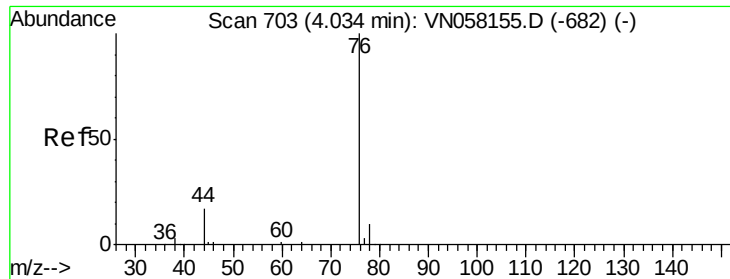
Delta R.T. 0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Tgt Ion:	43	Resp:	655079
Ion Ratio	Lower	Upper	
43	100		
58	28.1	23.4	35.2





#17

Carbon Disulfide

Concen: 47.259 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 191834

Ion Ratio Lower Upper

76 100

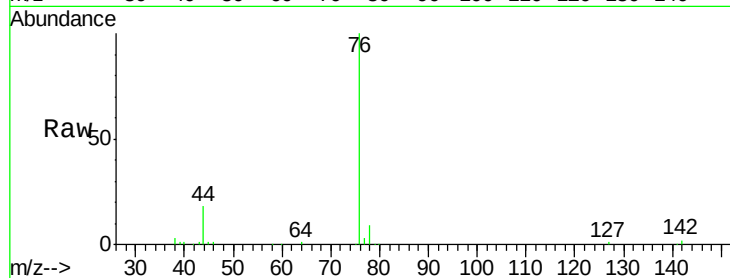
78 8.8 7.7 11.5

Manual Integrations

APPROVED

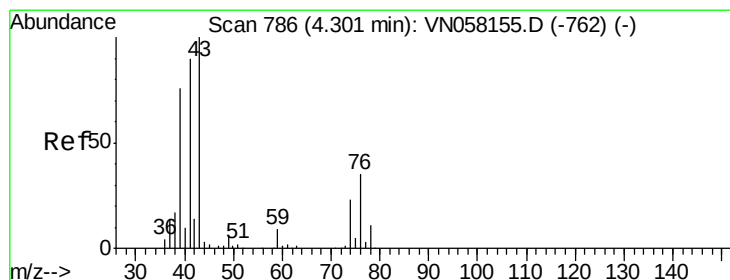
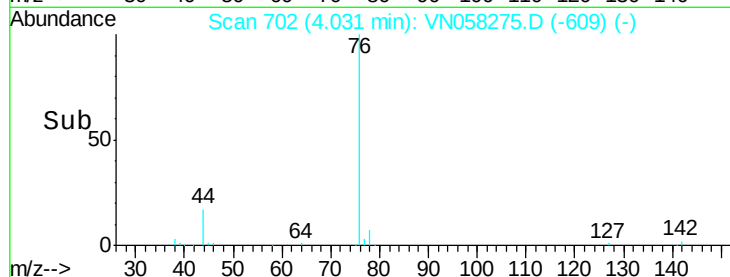
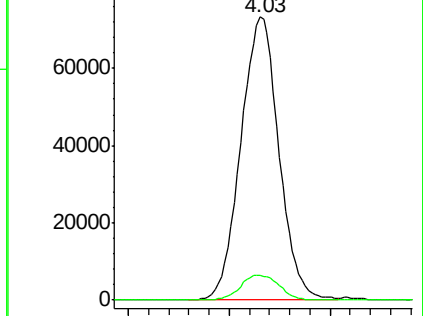
MMDadoda

9/25/2019 12:47:31 AM



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 49.130 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058275.D

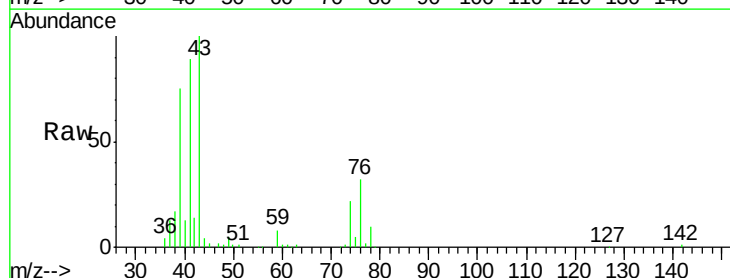
Acq: 23 Sep 2019 8:42

Tgt Ion: 43 Resp: 287383

Ion Ratio Lower Upper

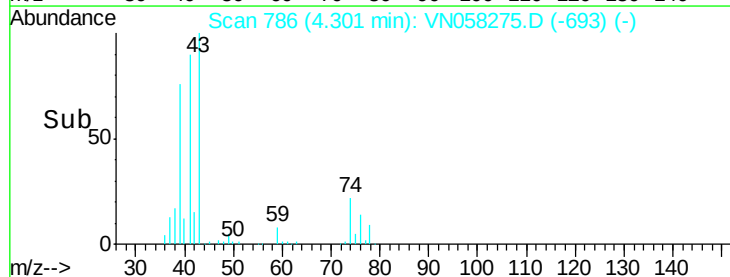
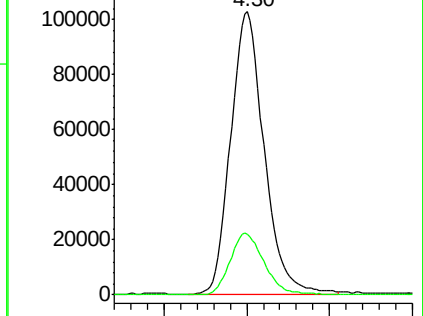
43 100

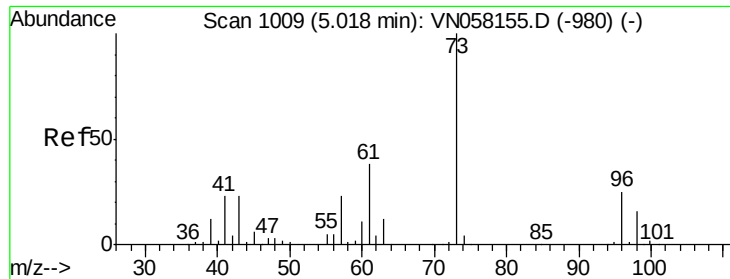
74 22.2 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





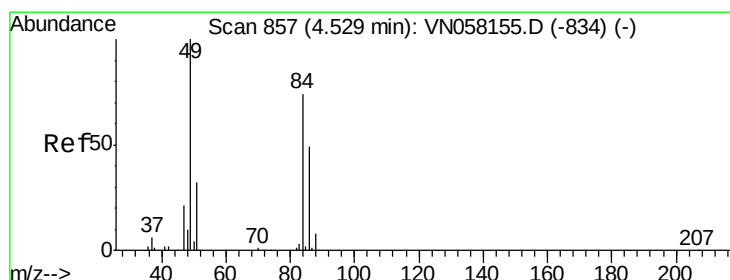
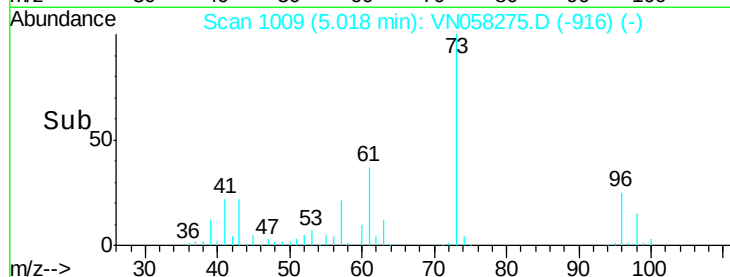
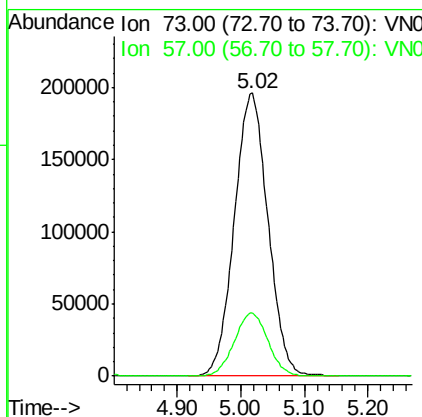
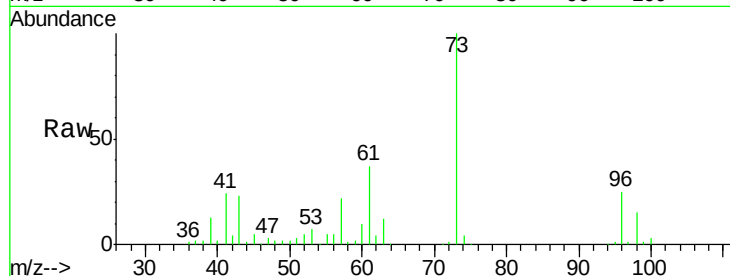
#19
Methyl tert-butyl Ether
Concen: 50.269 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	18.1	27.1

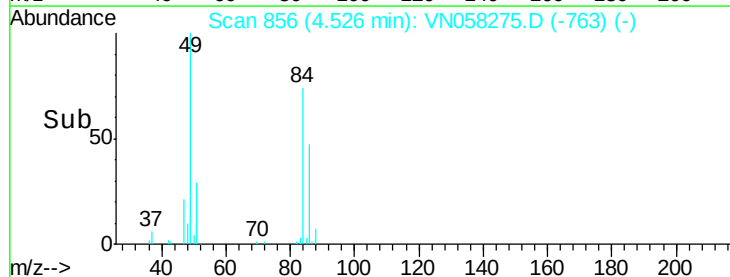
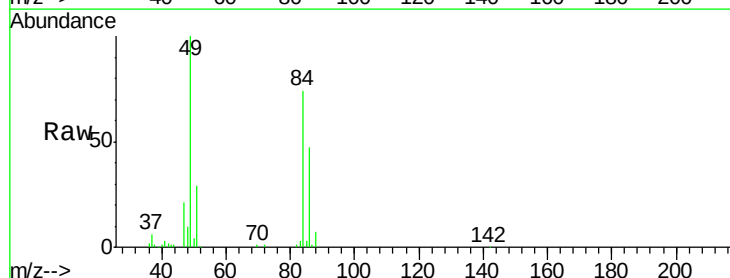
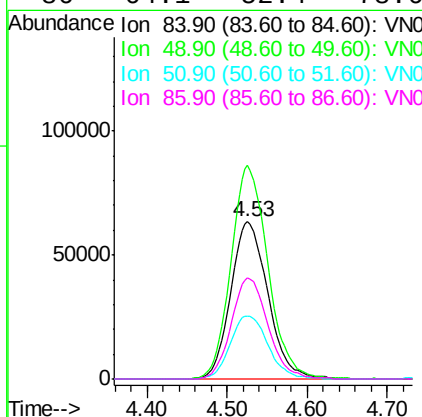
Manual Integrations
APPROVED

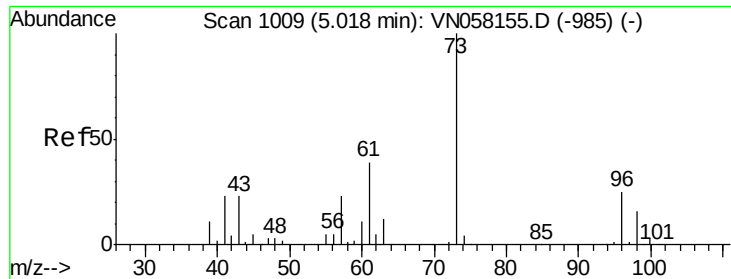
MMDadoda
9/25/2019 12:47:31 AM



#20
Methylene Chloride
Concen: 51.457 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	135.9	107.5	161.3
51	40.0	33.9	50.9
86	64.1	52.4	78.6





#21

trans-1,2-Dichloroethene

Concen: 49.176 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Instrument :

MSVOA_N

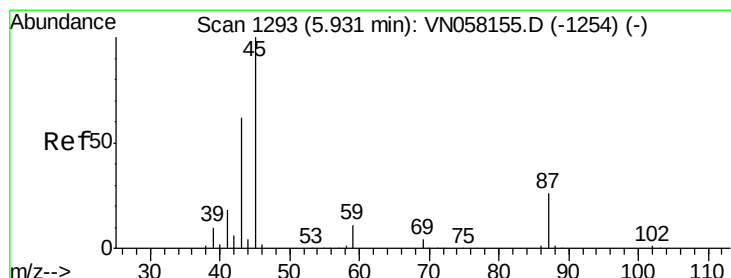
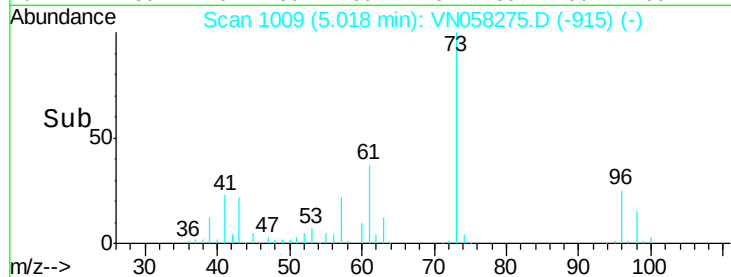
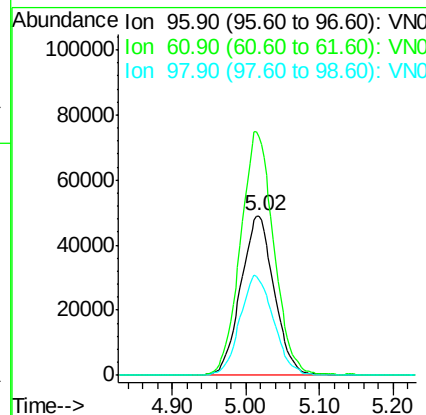
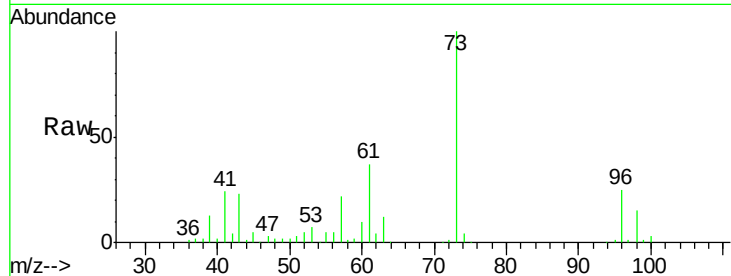
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	154603
Ion	Ratio	Lower	Upper
96	100		
61	149.6	122.2	183.4
98	59.9	49.9	74.9

Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:47:31 AM



#22

Diisopropyl ether

Concen: 51.367 ug/l

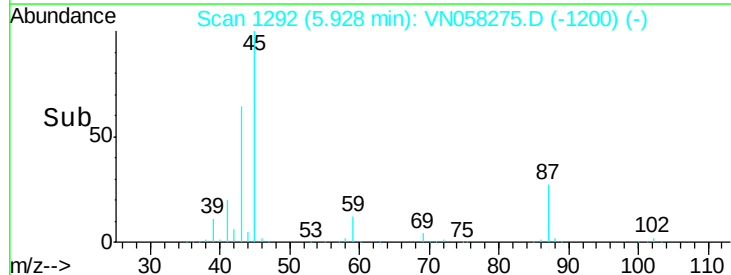
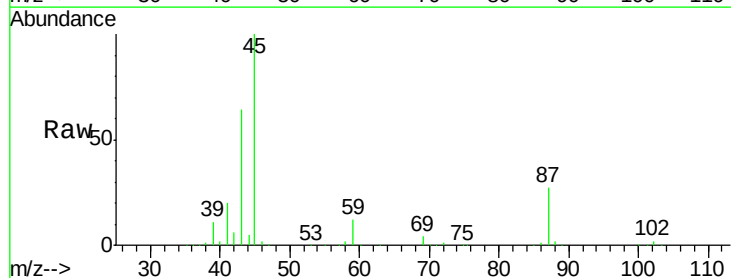
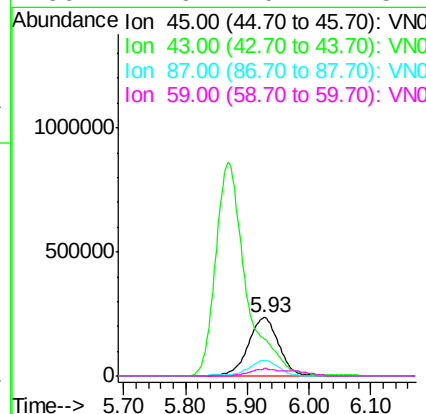
RT: 5.93 min Scan# 1292

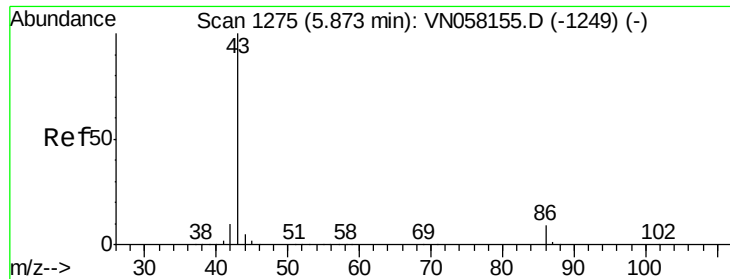
Delta R.T. -0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Tgt Ion:	45	Resp:	811609
Ion	Ratio	Lower	Upper
45	100		
43	62.5	49.7	74.5
87	26.8	20.7	31.1
59	11.9	9.1	13.7





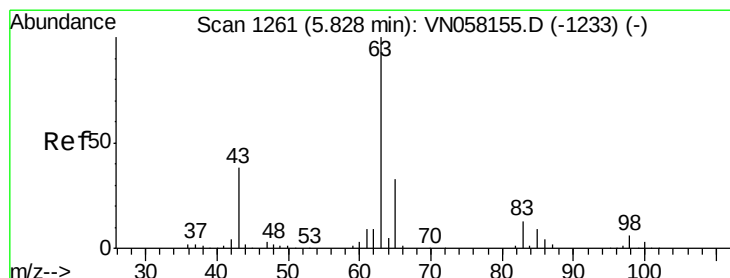
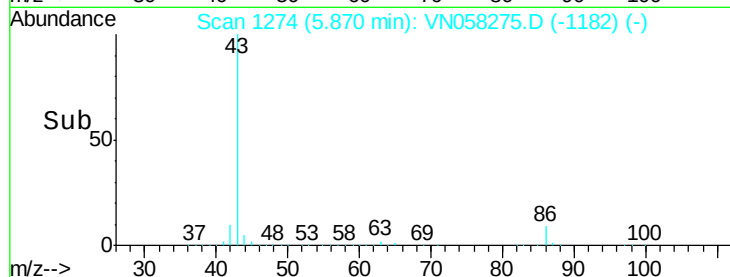
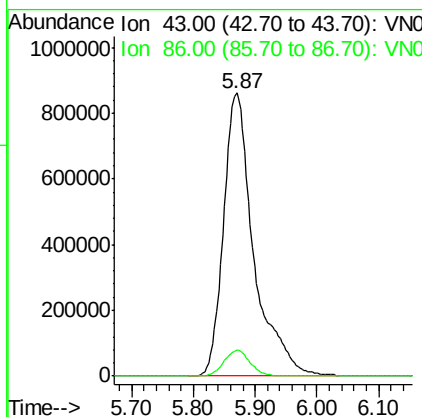
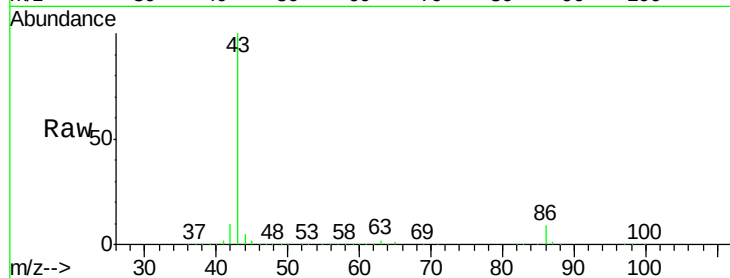
#23
 Vinyl Acetate
 Concen: 271.001 ug/l
 RT: 5.87 min Scan# 1274
 Delta R.T. -0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2929910
 Ion Ratio Lower Upper
 43 100
 86 9.2 7.4 11.2

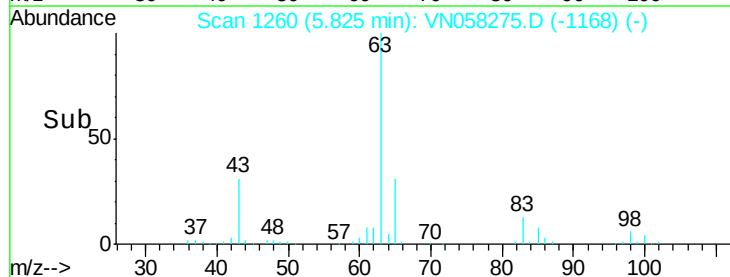
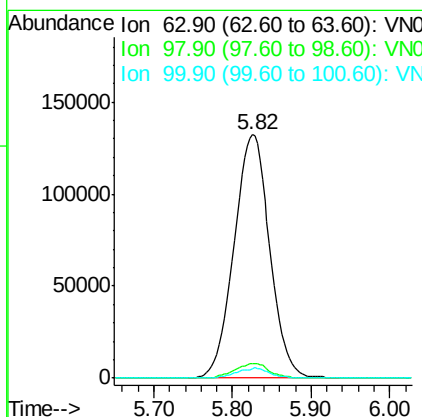
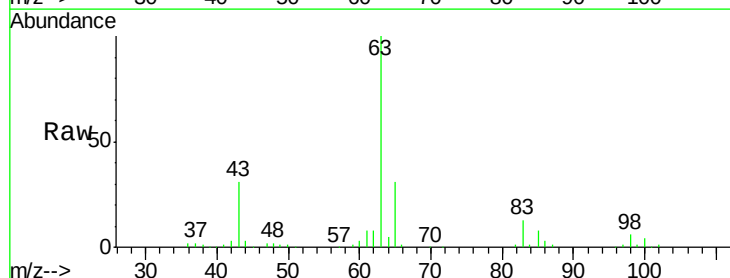
Manual Integrations
 APPROVED

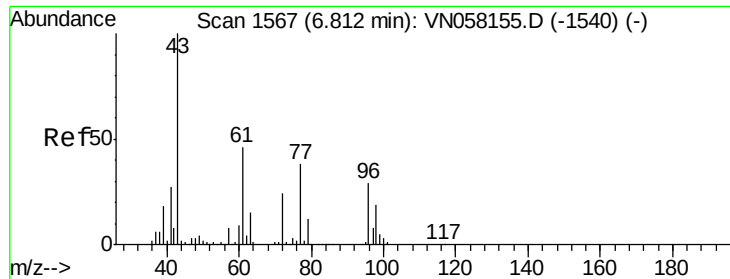
MMDadoda
 9/25/2019 12:47:31 AM



#24
 1,1-Dichloroethane
 Concen: 49.770 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion: 63 Resp: 419704
 Ion Ratio Lower Upper
 63 100
 98 5.7 2.9 8.6
 100 4.0 1.8 5.3





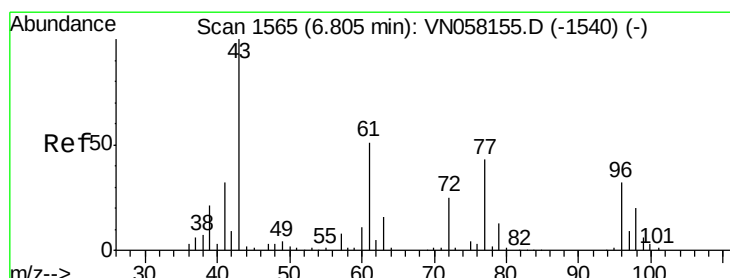
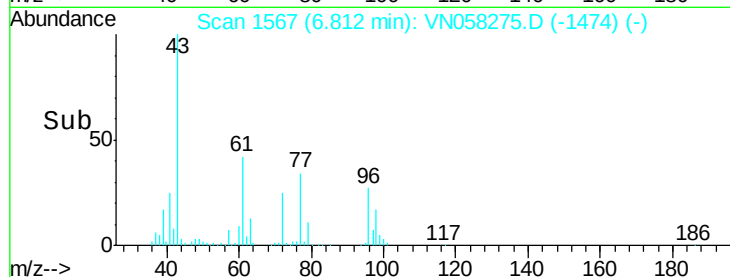
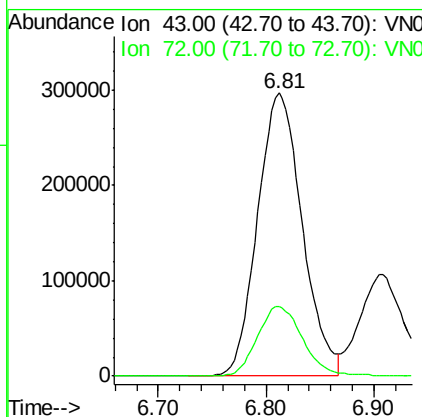
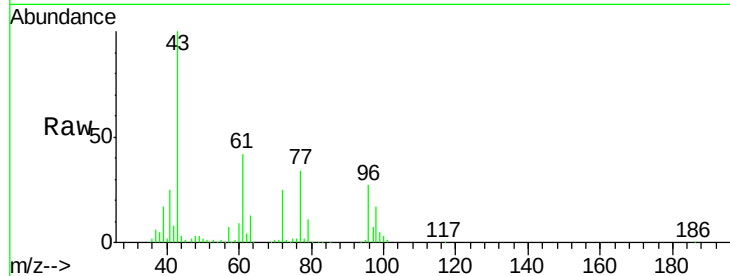
#25
2-Butanone
Concen: 279.944 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 847826
Ion Ratio Lower Upper
43 100
72 24.8 19.5 29.3

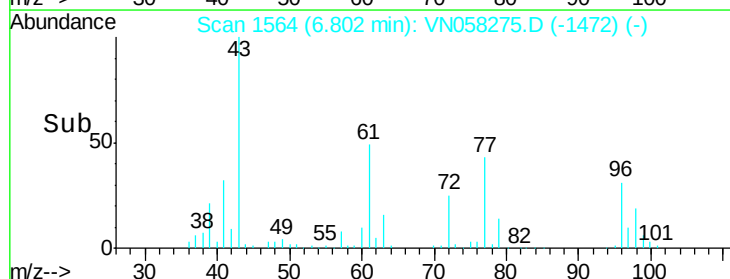
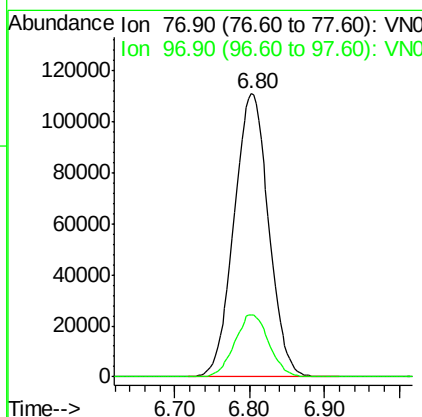
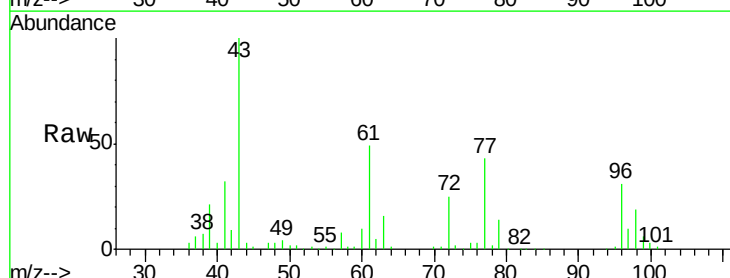
Manual Integrations
APPROVED

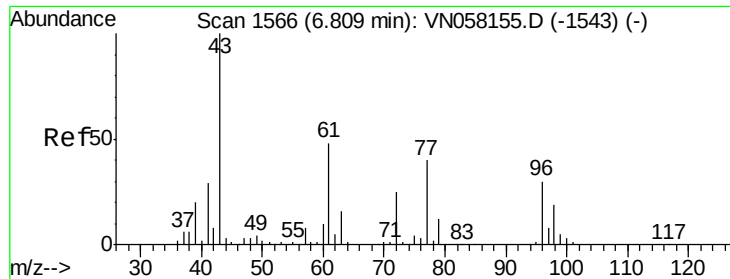
MMDadoda
9/25/2019 12:47:31 AM



#26
2,2-Dichloropropane
Concen: 49.821 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Tgt Ion: 77 Resp: 356431
Ion Ratio Lower Upper
77 100
97 21.8 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 48.962 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Instrument :

MSVOA_N

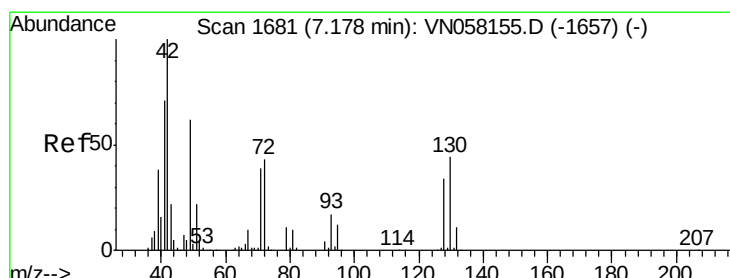
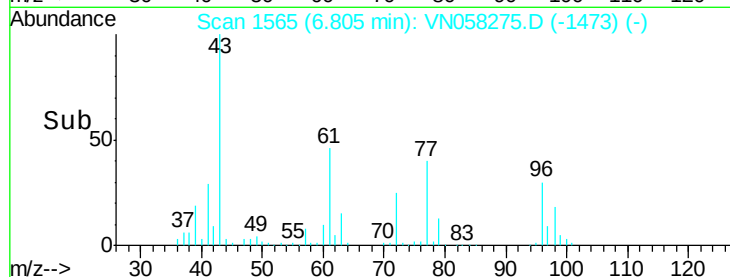
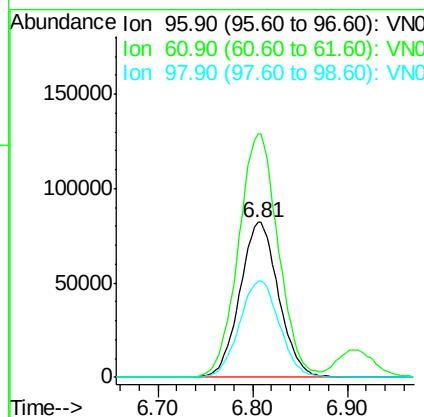
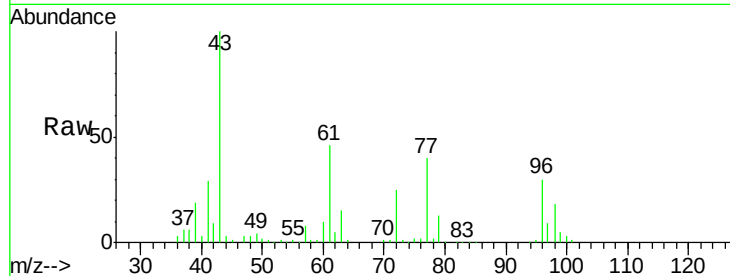
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	233464
Ion Ratio	Lower	Upper	
96	100		
61	161.5	0.0	319.0
98	64.3	0.0	126.6

Manual Integrations
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9/25/2019 12:47:31 AM



#28

Bromochloromethane

Concen: 53.873 ug/l

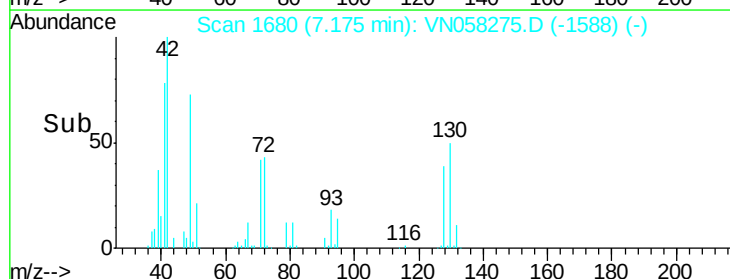
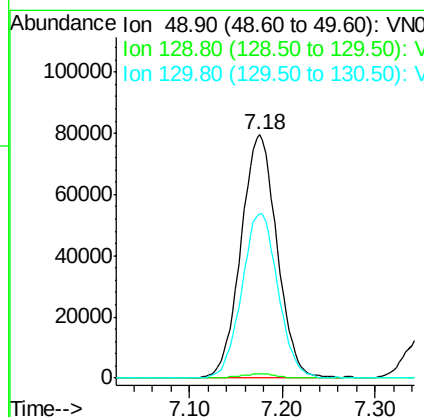
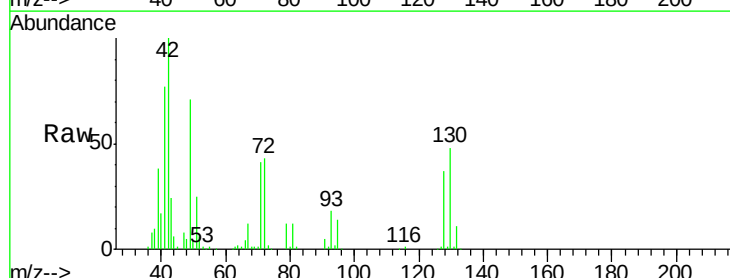
RT: 7.18 min Scan# 1680

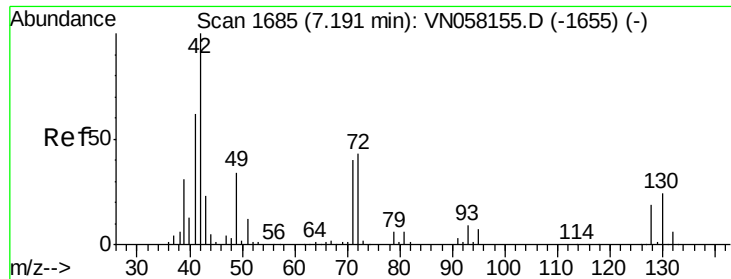
Delta R.T. -0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Tgt Ion:	49	Resp:	214916
Ion Ratio	Lower	Upper	
49	100		
129	1.7	0.0	1.8
130	67.7	55.4	83.2





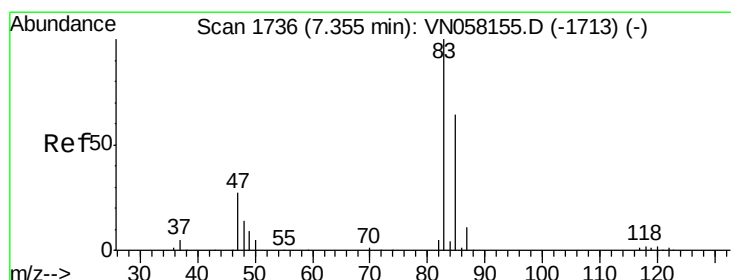
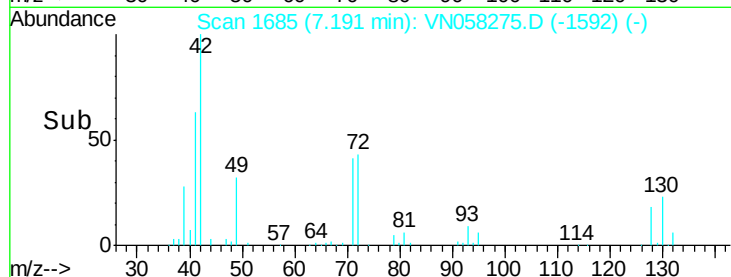
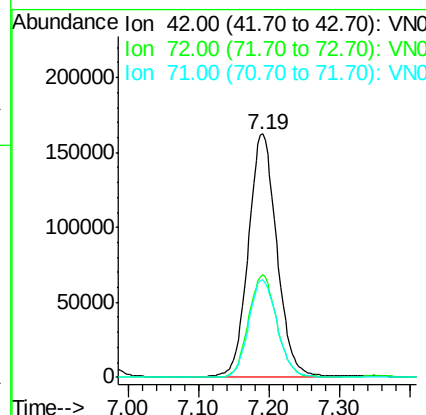
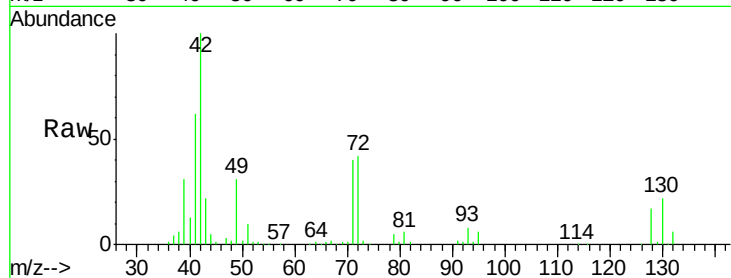
#29
Tetrahydrofuran
Concen: 245.919 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	33.8	50.6
71	39.8	31.4	47.0

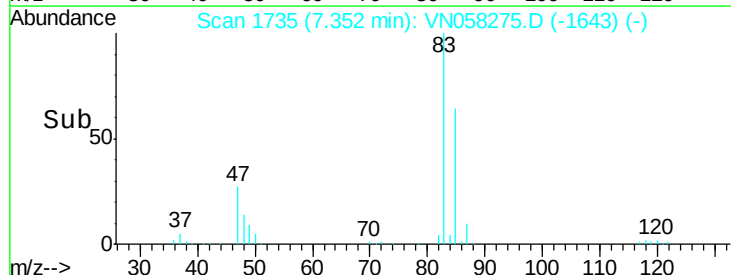
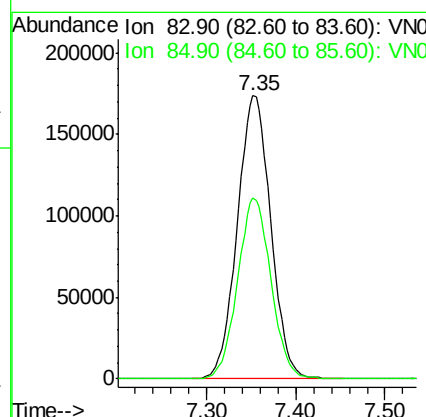
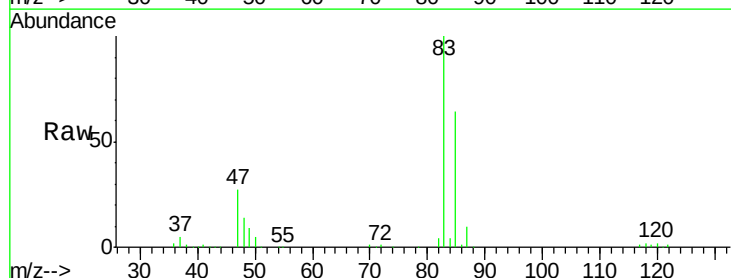
Manual Integrations
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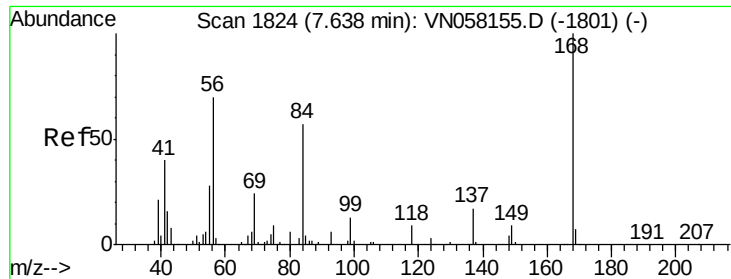
MMDadoda
9/25/2019 12:47:31 AM



#30
Chloroform
Concen: 49.862 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.4	77.2





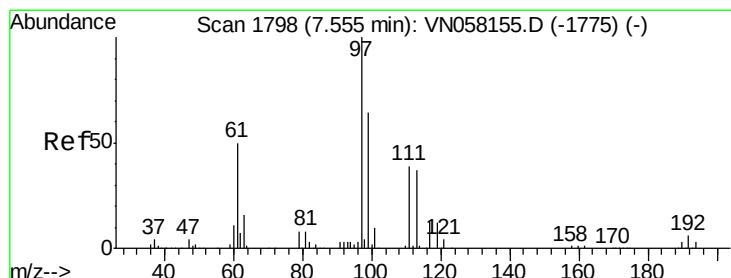
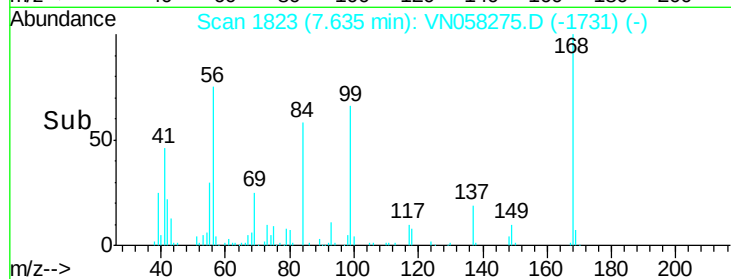
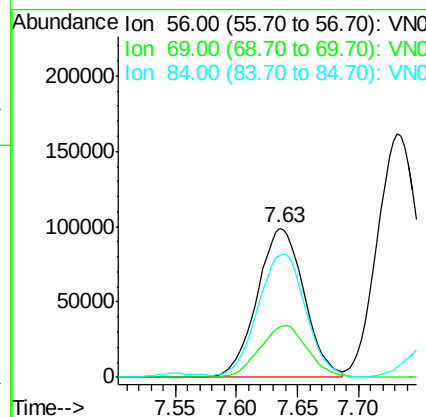
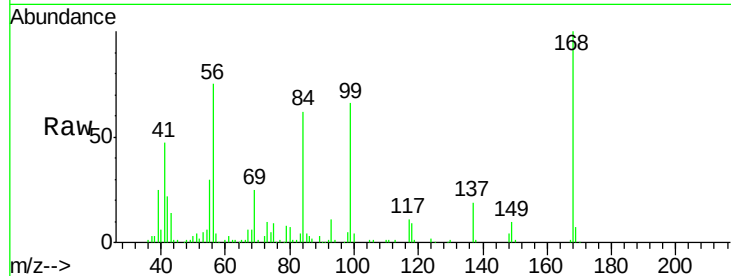
#31
Cyclohexane
Concen: 48.475 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.3	27.3	40.9
84	80.0	65.0	97.4

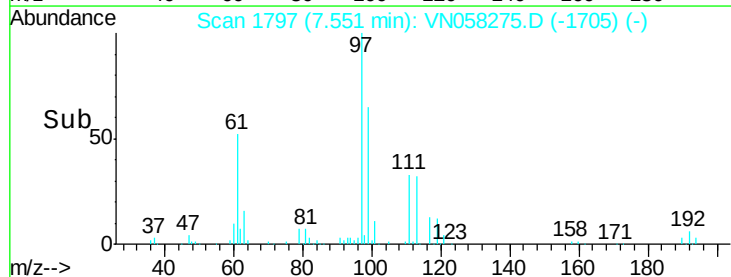
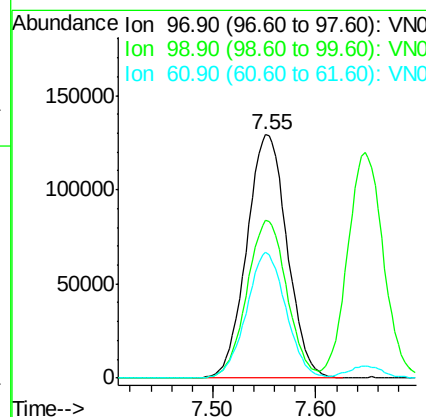
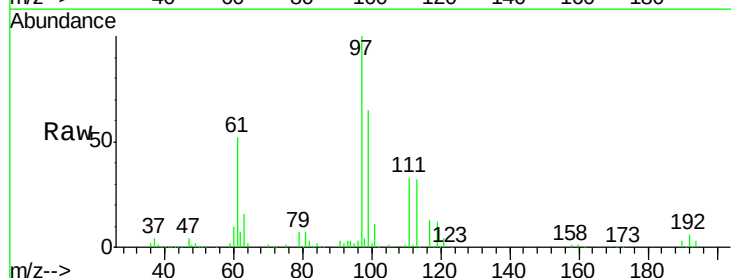
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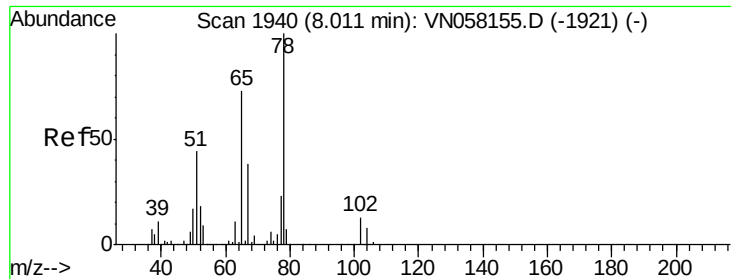
MMDadoda
9/25/2019 12:47:31 AM



#32
1,1,1-Trichloroethane
Concen: 50.831 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.9	76.3
61	50.4	39.2	58.8





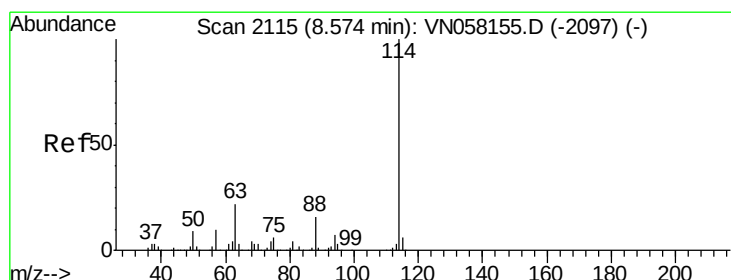
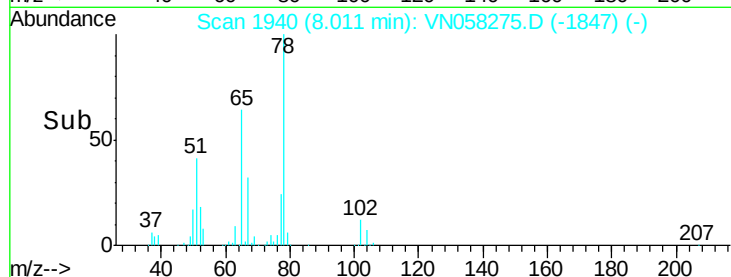
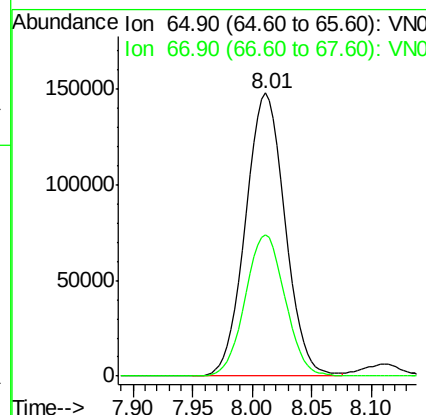
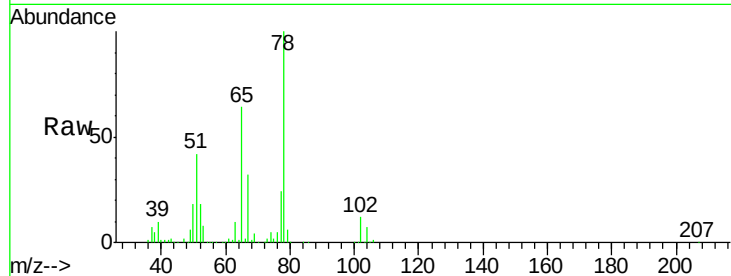
#33
 1,2-Dichloroethane-d4
 Concen: 52.094 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.4	0.0	103.4	

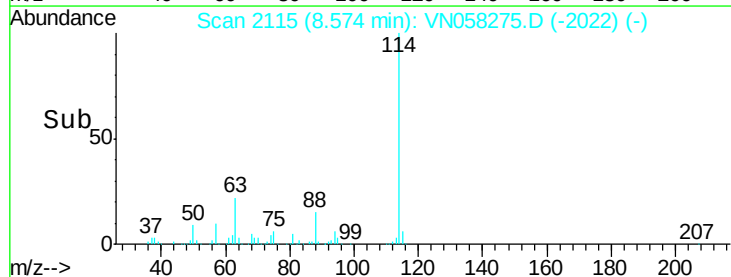
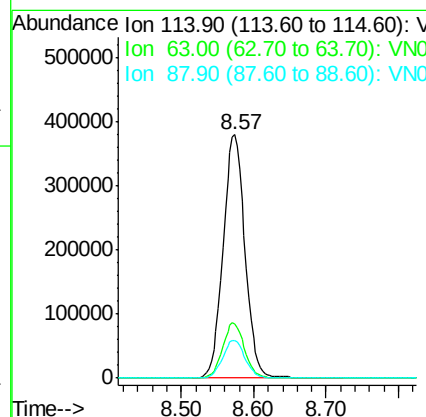
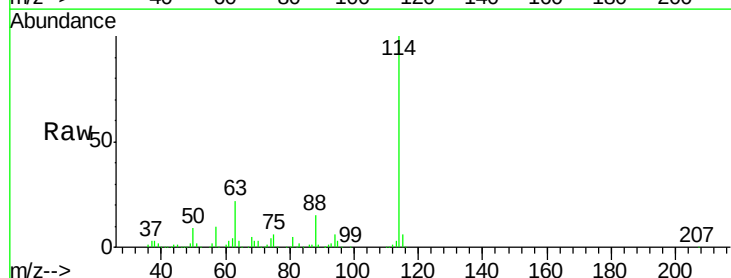
Manual Integrations
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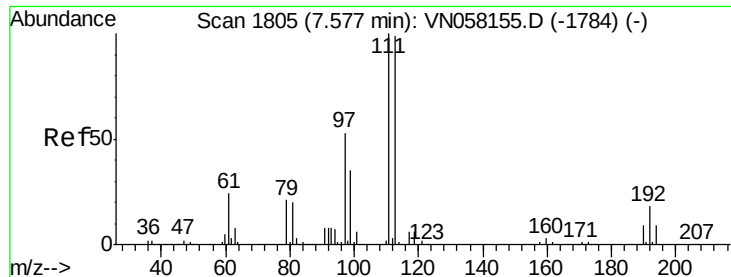
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.4	0.0	44.2	
88	15.4	0.0	31.6	





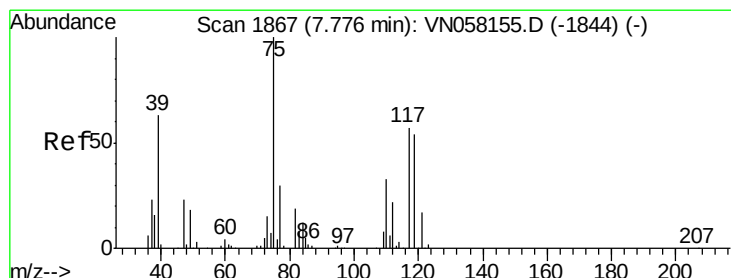
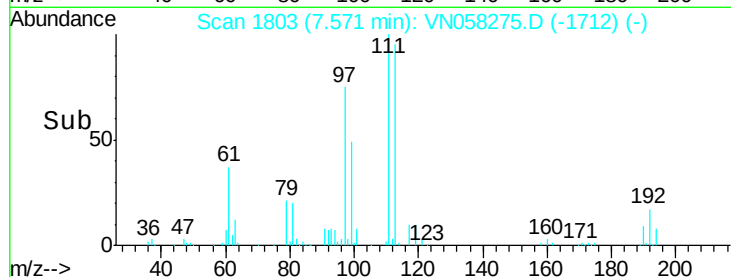
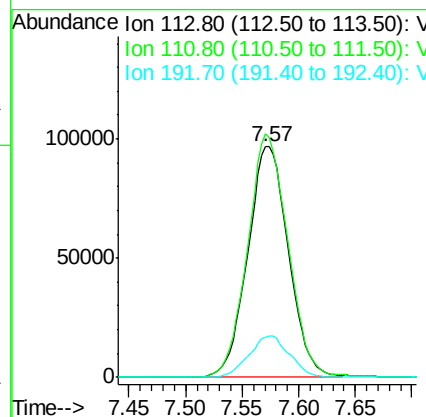
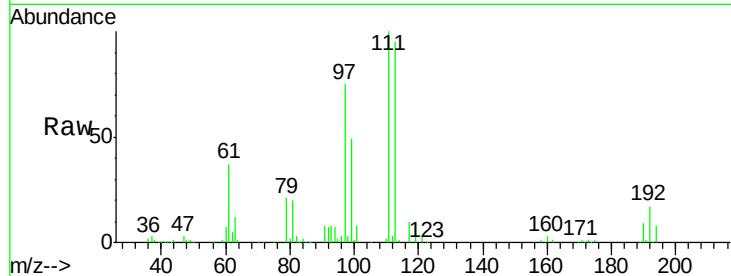
#35
 Dibromofluoromethane
 Concen: 50.327 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	242651		
111	104.8	81.8	122.6	
192	17.9	14.5	21.7	

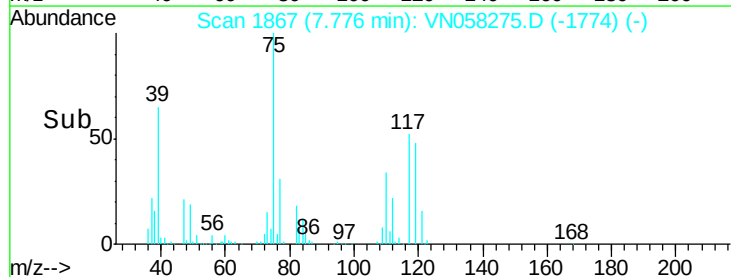
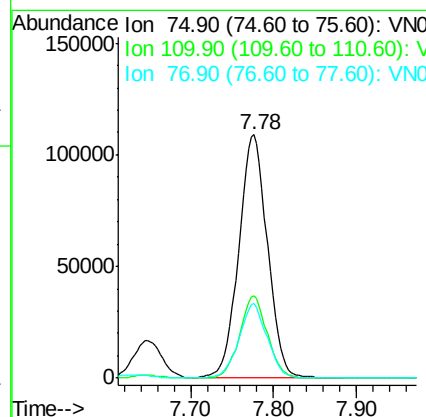
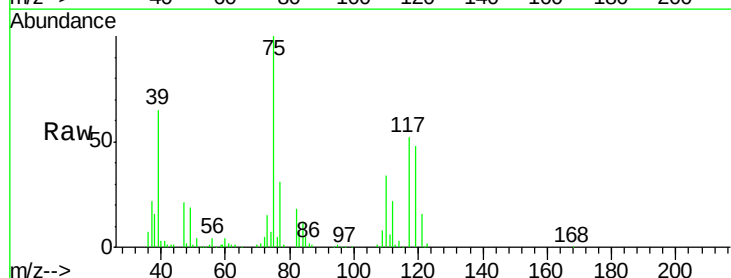
Manual Integrations
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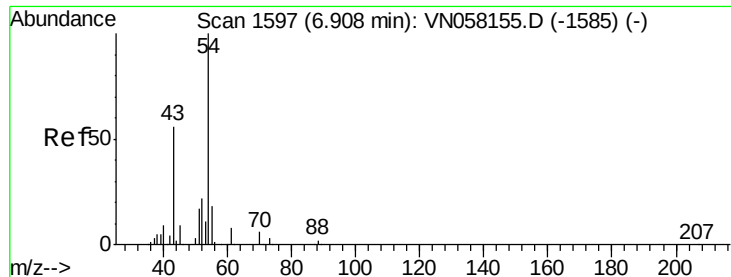
MMDadoda
 9/25/2019 12:47:31 AM



#36
 1,1-Dichloropropene
 Concen: 45.554 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	260545		
110	32.9	16.6	49.7	
77	30.4	24.3	36.5	





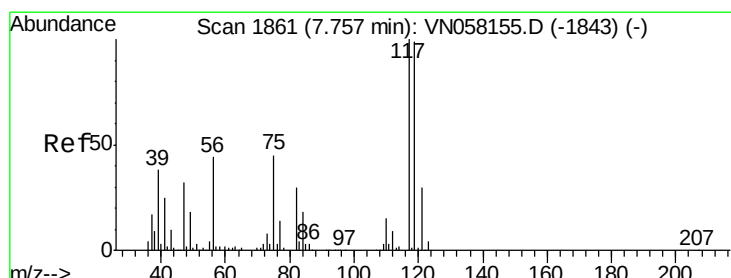
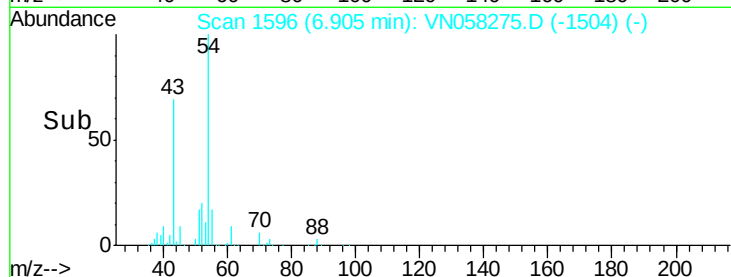
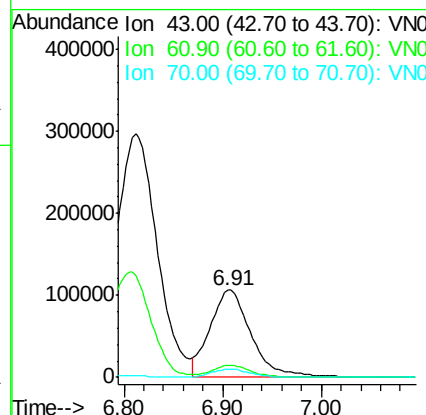
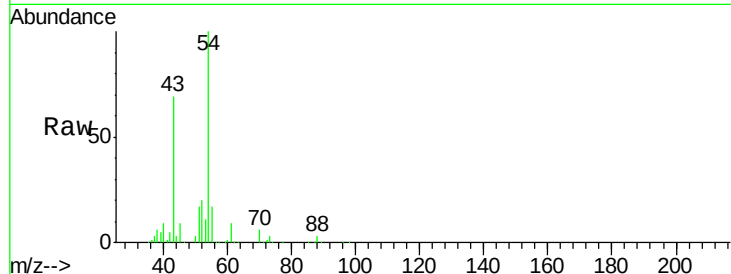
#37
Ethyl Acetate
Concen: 50.707 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	13.2	10.7	16.1	
70	9.4	7.6	11.4	

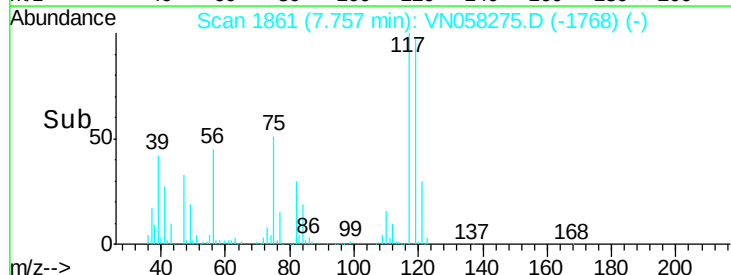
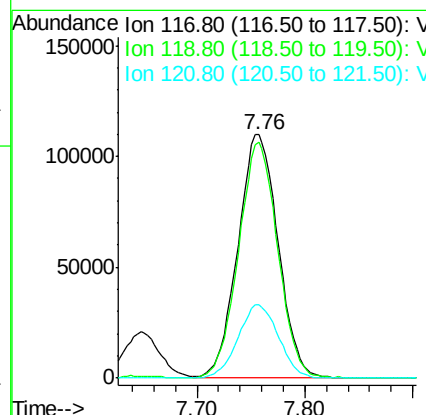
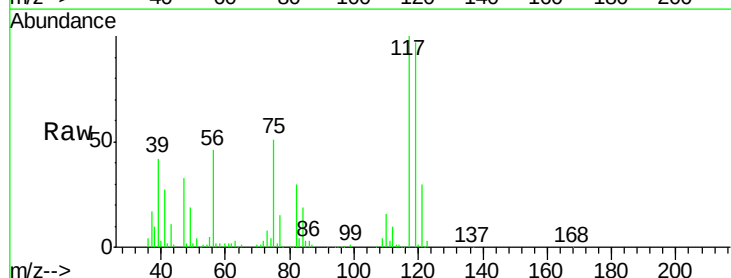
Manual Integrations
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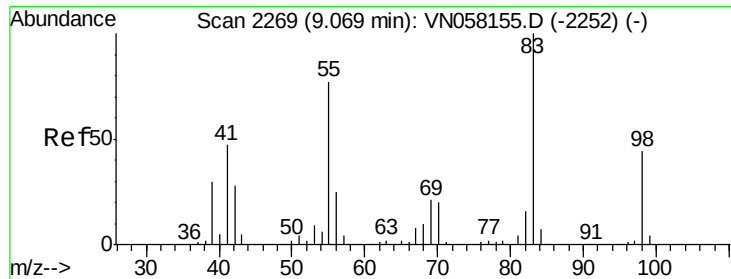
MMDadoda
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#38
Carbon Tetrachloride
Concen: 49.185 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.0	78.6	117.8	
121	30.3	24.1	36.1	





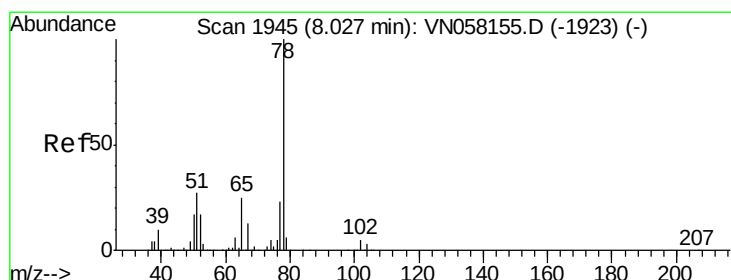
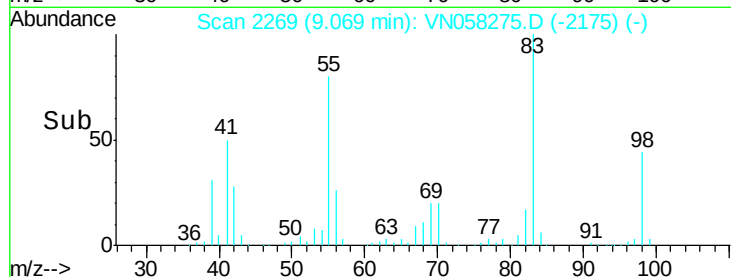
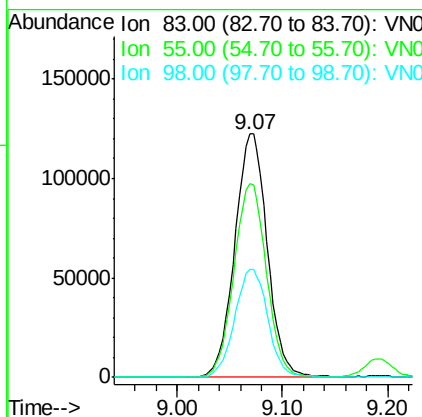
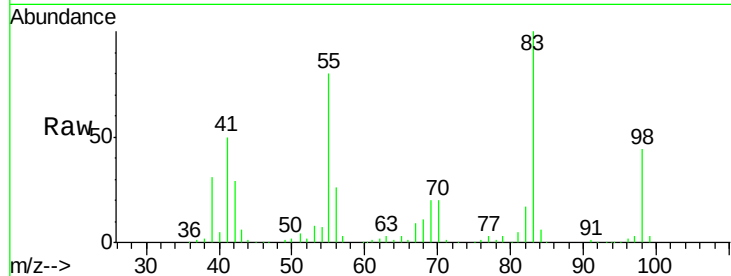
#39
Methylvlcyclohexane
Concen: 47.329 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	261706
Ion Ratio	Lower	Upper	
83	100		
55	79.6	61.9	92.9
98	44.5	35.4	53.2

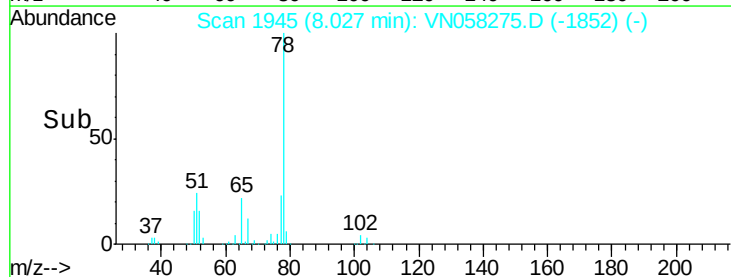
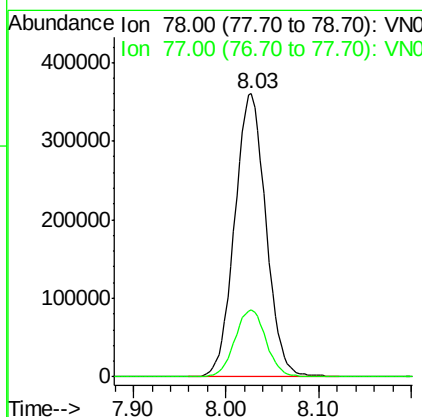
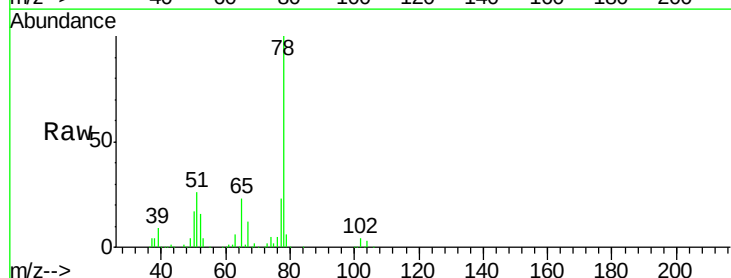
Manual Integrations
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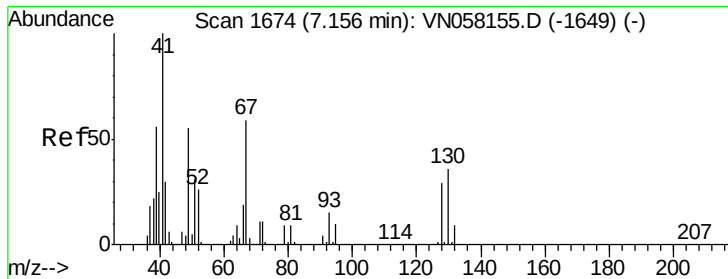
MMDadoda
9/25/2019 12:47:31 AM



#40
Benzene
Concen: 48.207 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Tgt Ion	78	Resp	842149
Ion Ratio	Lower	Upper	
78	100		
77	23.5	18.8	28.2





#41

Methacrylonitrile

Concen: 55.980 ug/l

RT: 7.16 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 167723
Ion Ratio Lower Upper

41 100

39 60.5 0.0 0.0#

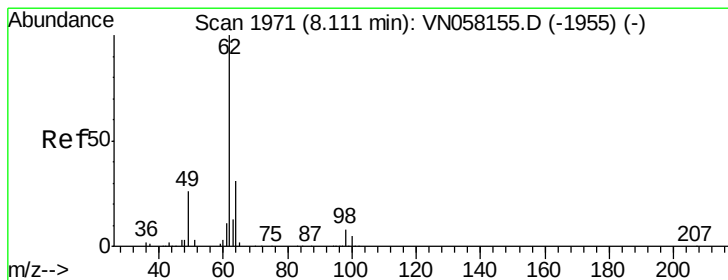
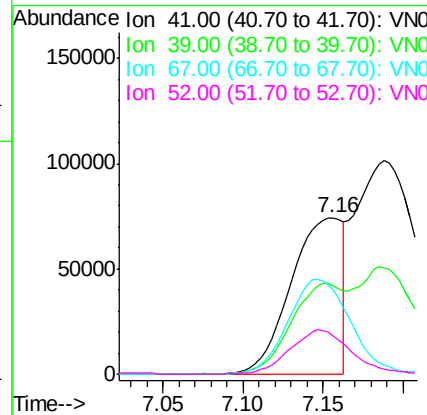
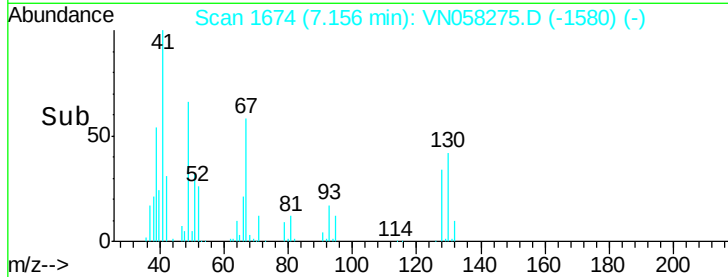
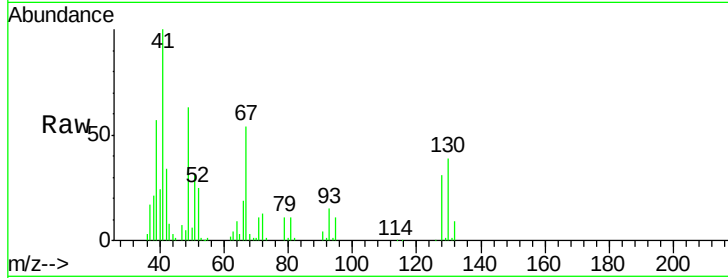
67 74.0 0.0 0.0#

52 33.1 0.0 0.0#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 49.452 ug/l

RT: 8.11 min Scan# 1970

Delta R.T. -0.00 min

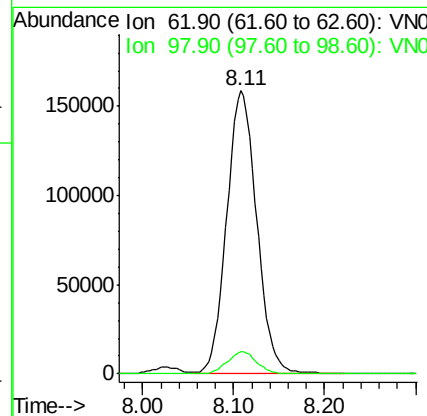
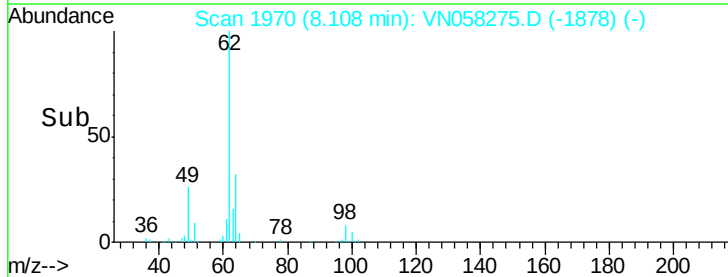
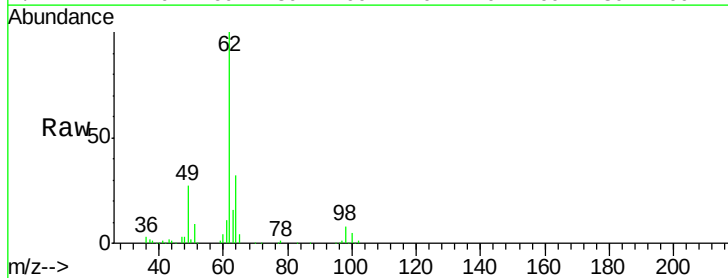
Lab File: VN058275.D

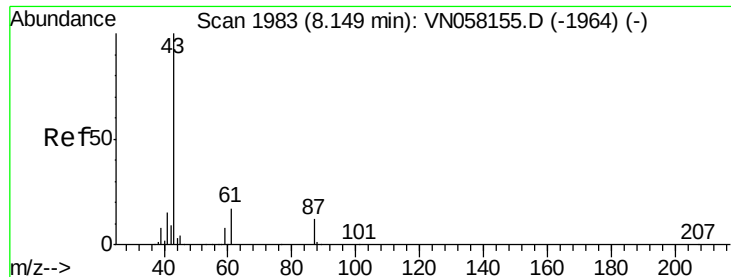
Acq: 23 Sep 2019 8:42

Tgt Ion: 62 Resp: 362496
Ion Ratio Lower Upper

62 100

98 7.7 0.0 15.6





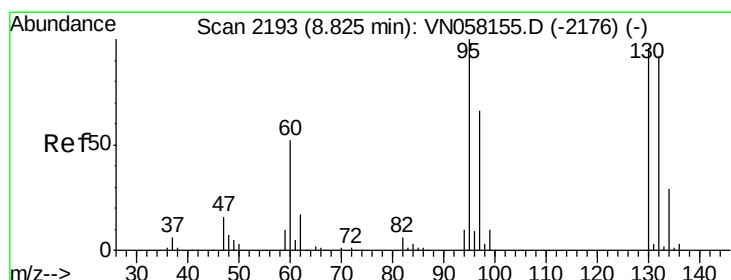
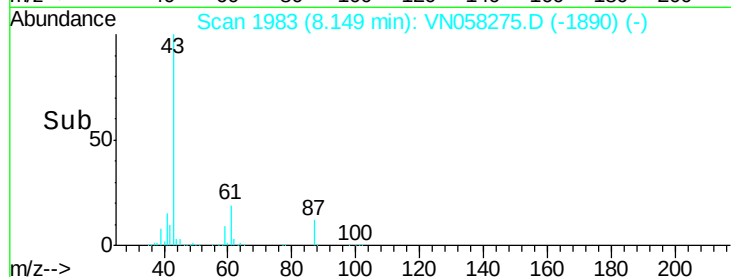
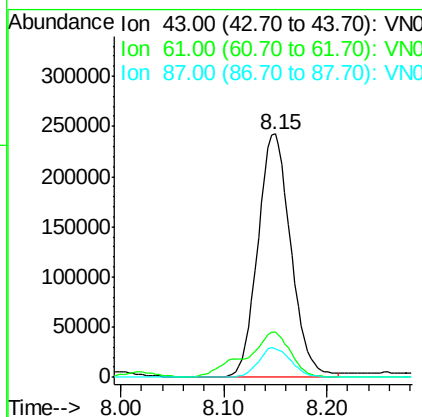
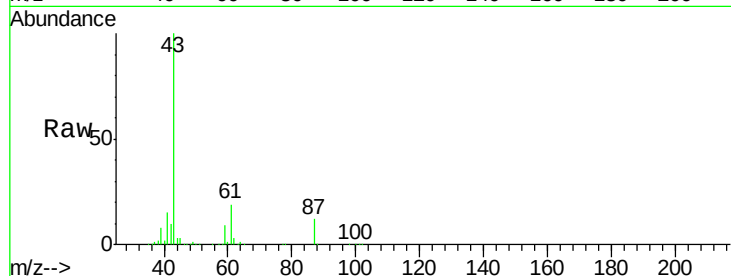
#43
Isopropyl Acetate
Concen: 48.329 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	19.7	29.5#
87	12.1	9.4	14.2

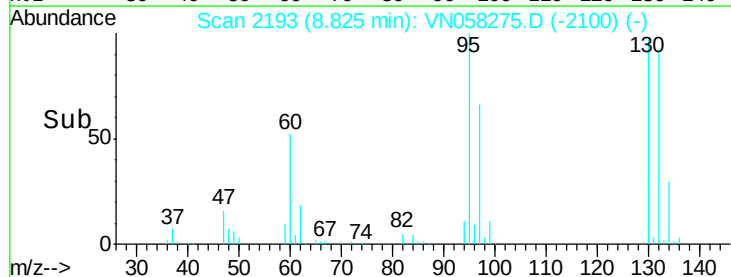
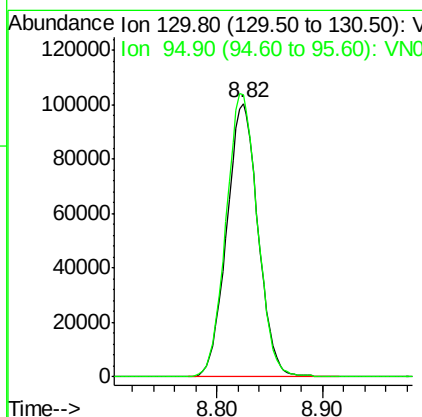
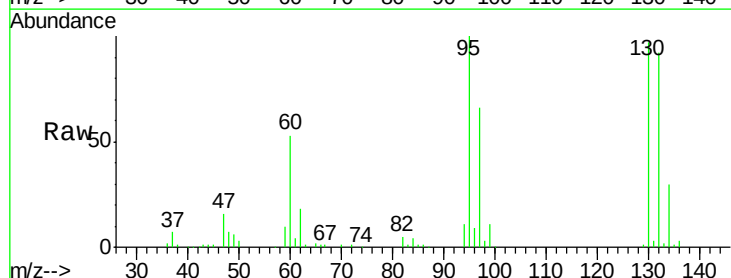
Manual Integrations
APPROVED

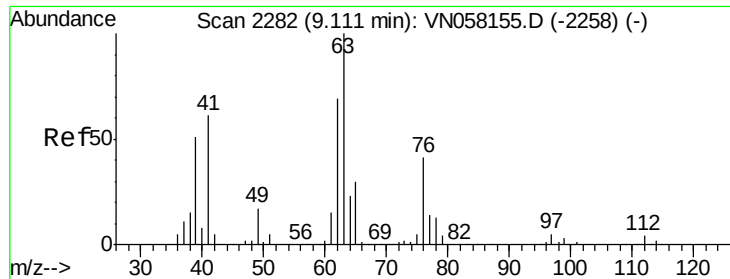
MMDadoda
9/25/2019 12:47:31 AM



#44
Trichloroethene
Concen: 48.365 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.1	0.0	207.8





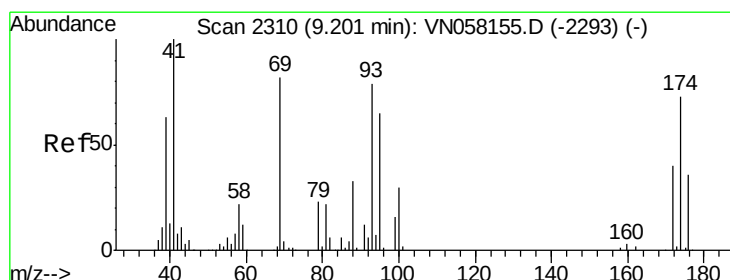
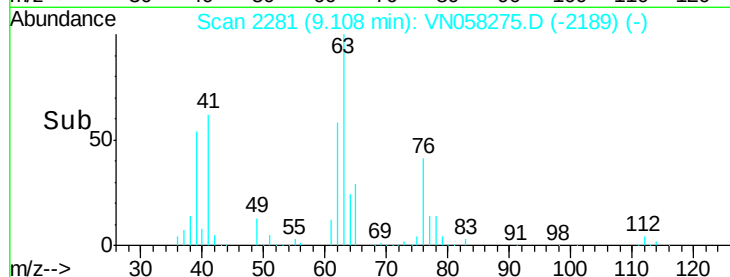
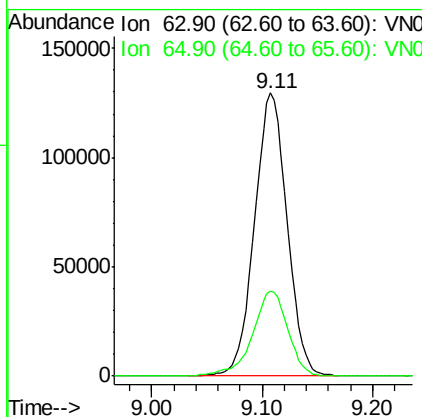
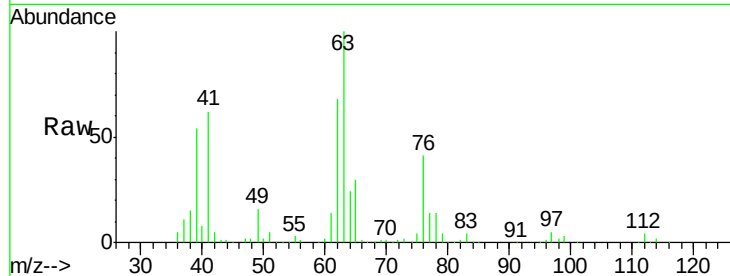
#45
 1,2-Dichloropropane
 Concen: 50.903 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
63	100	265561		
65	30.0		23.8	35.6

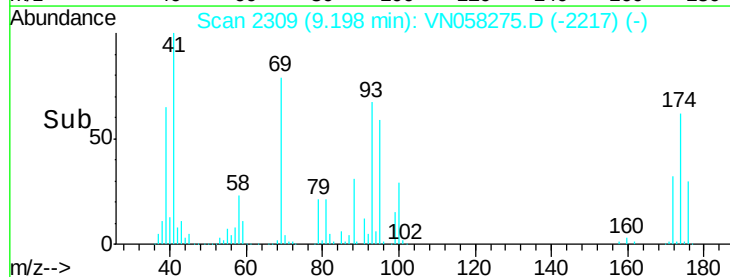
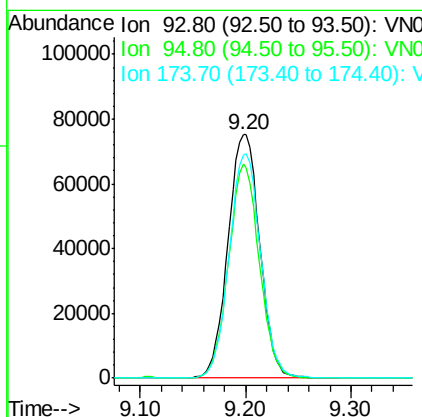
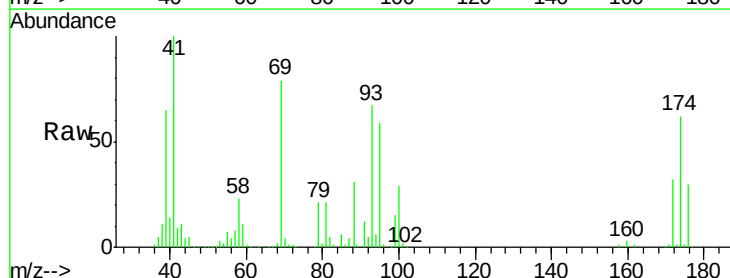
Manual Integrations
 APPROVED

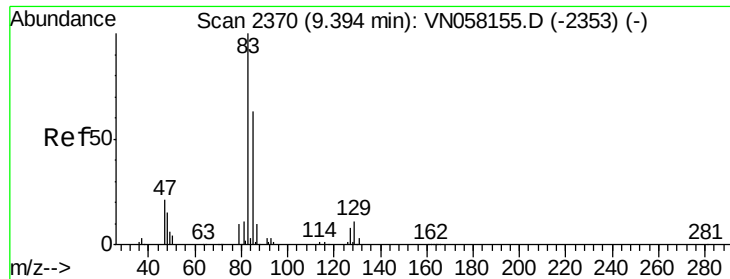
MMDadoda
 9/25/2019 12:47:31 AM



#46
 Dibromomethane
 Concen: 49.451 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	156850		
95	84.9		66.8	100.2
174	91.5		73.8	110.8





#47

Bromodichloromethane

Concen: 53.721 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Instrument :

MSVOA_N

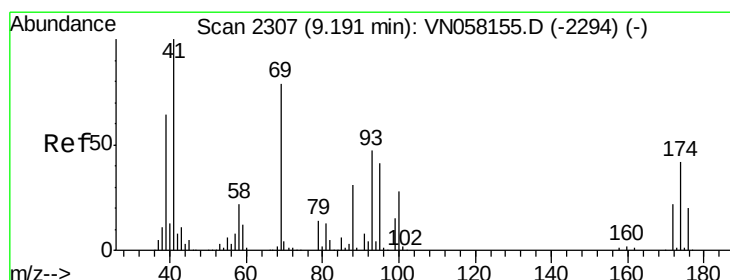
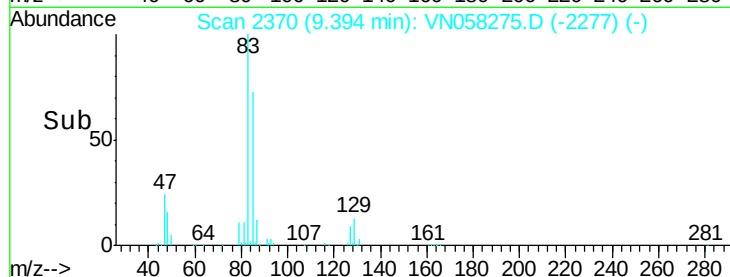
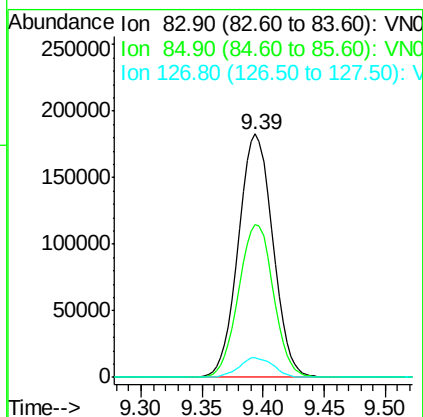
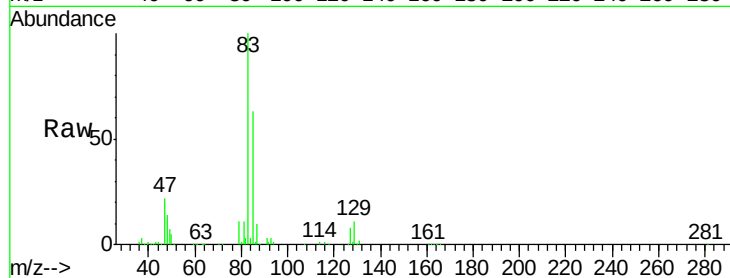
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	356974
Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.1	75.1
127	8.1	6.4	9.6

Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:47:31 AM



#48

Methyl methacrylate

Concen: 52.039 ug/l

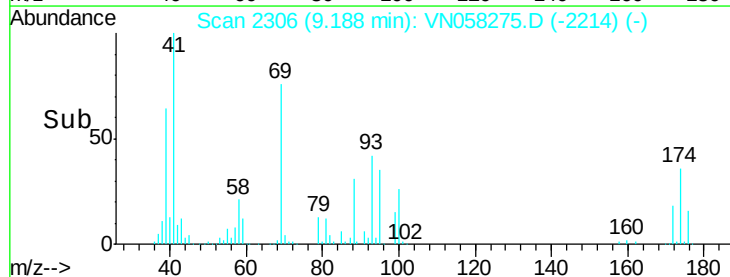
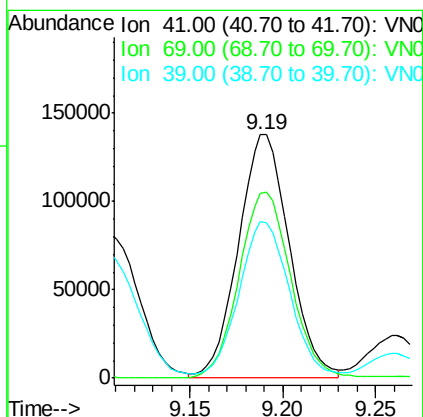
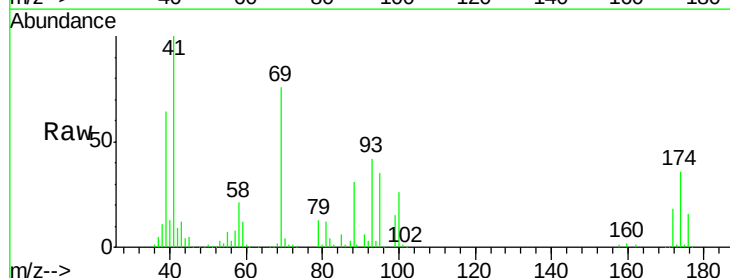
RT: 9.19 min Scan# 2306

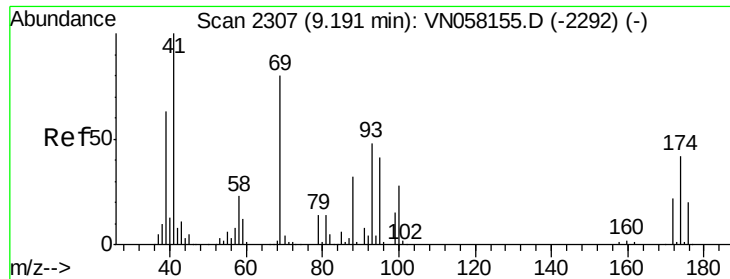
Delta R.T. -0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Tgt Ion:	41	Resp:	261923
Ion	Ratio	Lower	Upper
41	100		
69	78.1	62.5	93.7
39	64.4	52.3	78.5





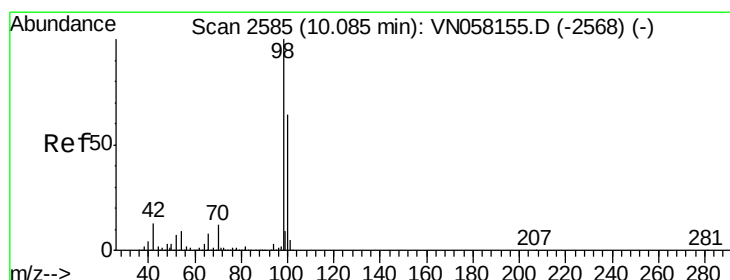
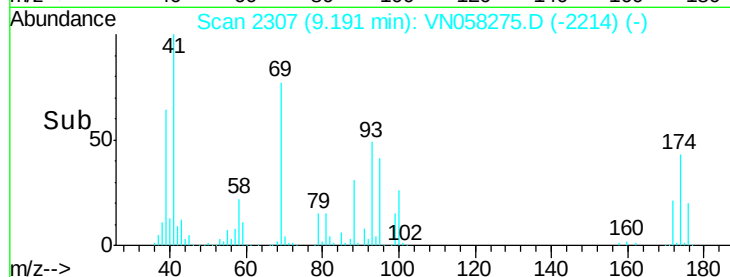
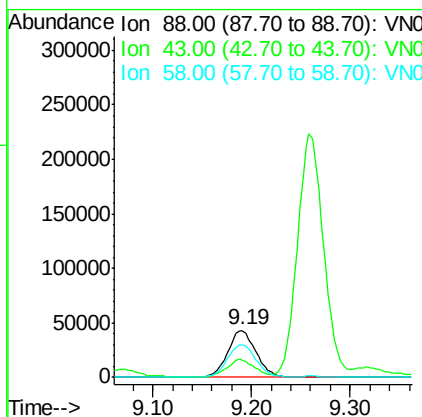
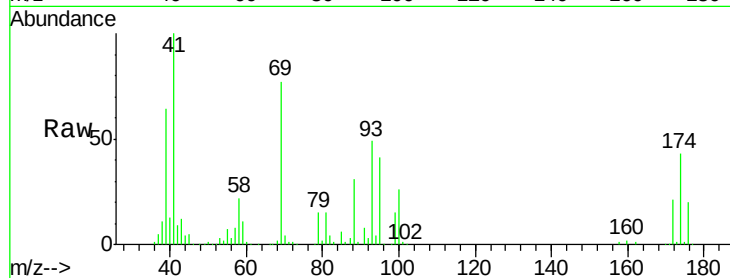
#49
1,4-Dioxane
Concen: 1054.169 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	27.8	41.8
58	71.3	55.0	82.4

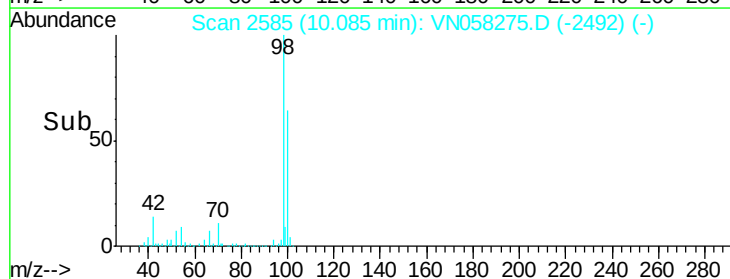
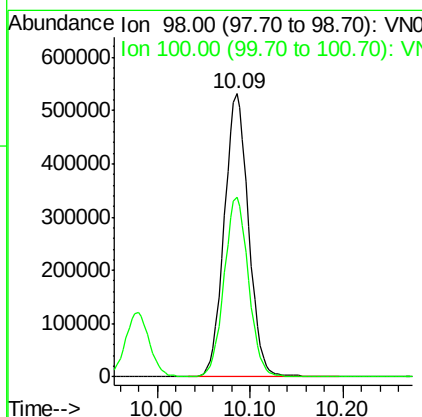
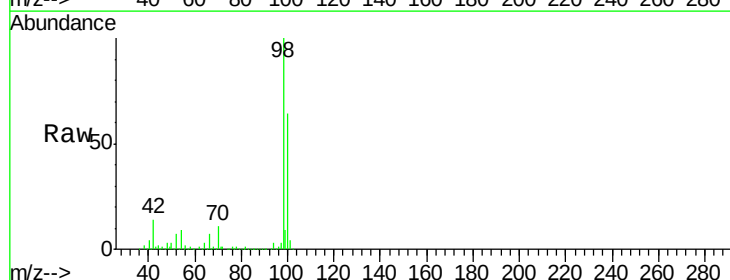
Manual Integrations
APPROVED

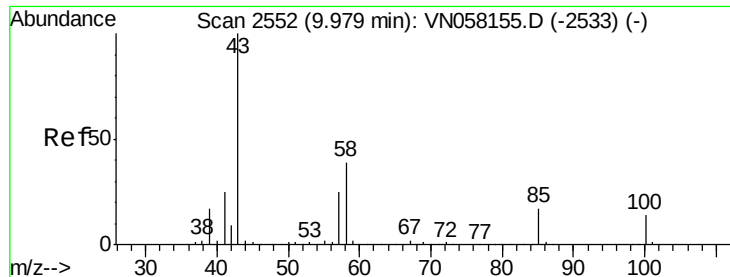
MMDadoda
9/25/2019 12:47:31 AM



#50
Toluene-d8
Concen: 51.314 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 286.370 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1686155

Ion Ratio Lower Upper

43 100

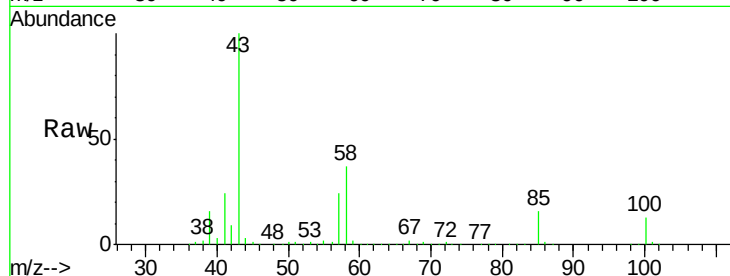
58 37.1 30.2 45.4

Manual Integrations

APPROVED

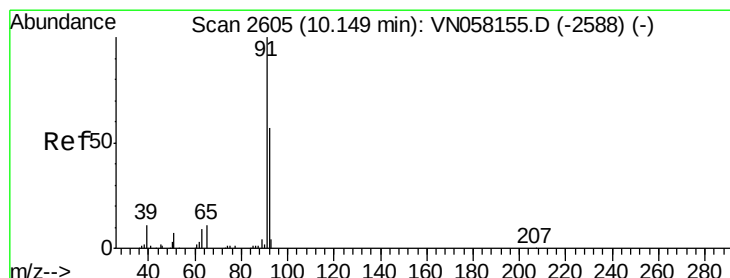
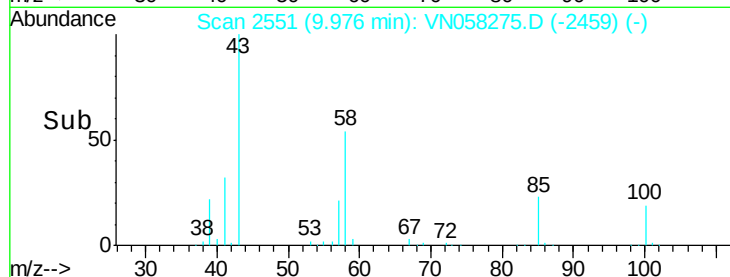
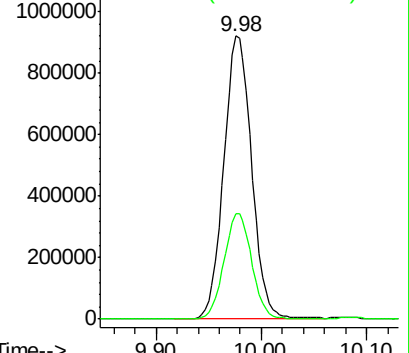
MMDadoda

9/25/2019 12:47:31 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.074 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058275.D

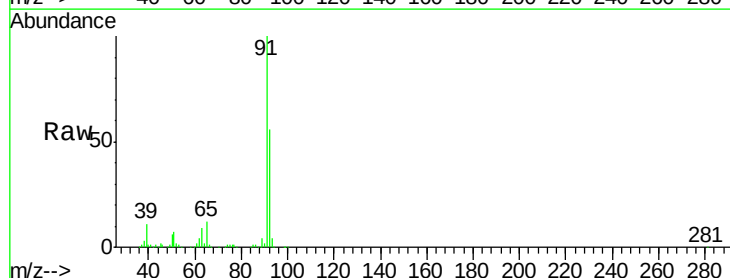
Acq: 23 Sep 2019 8:42

Tgt Ion: 92 Resp: 537272

Ion Ratio Lower Upper

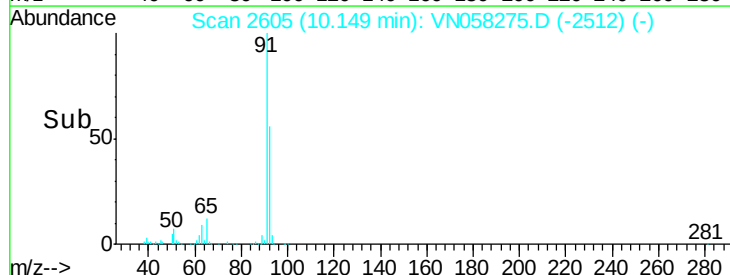
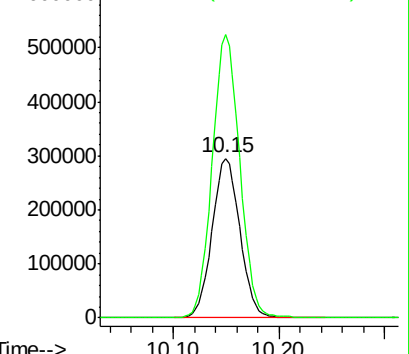
92 100

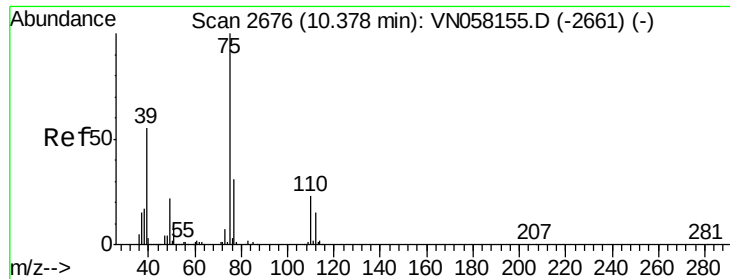
91 176.2 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





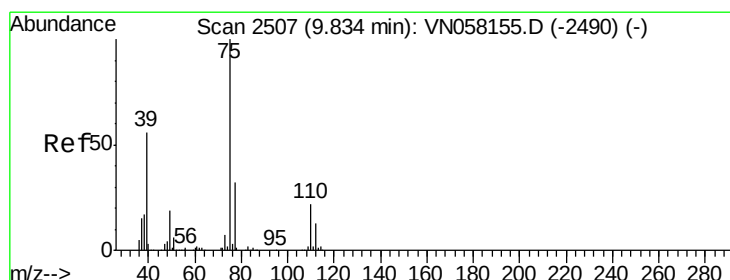
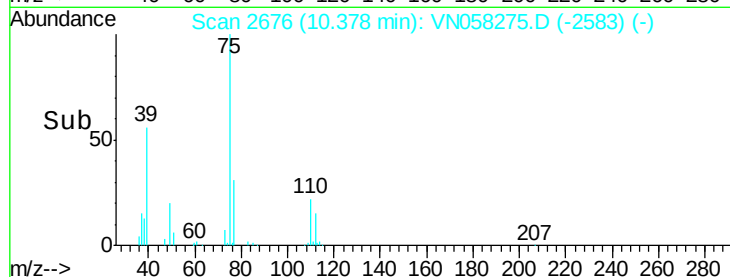
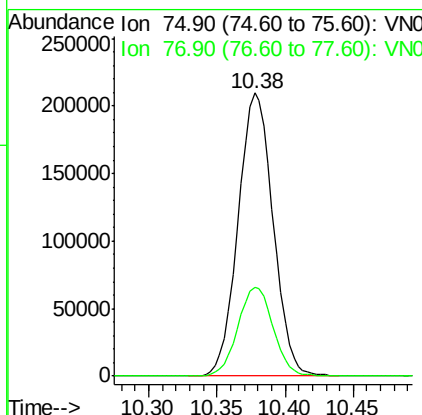
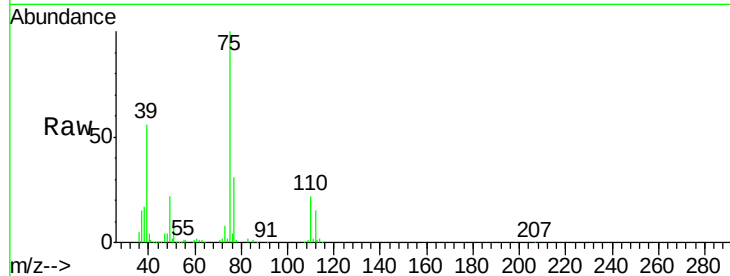
#53
t-1,3-Dichloropropene
Concen: 54.846 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.9	37.3

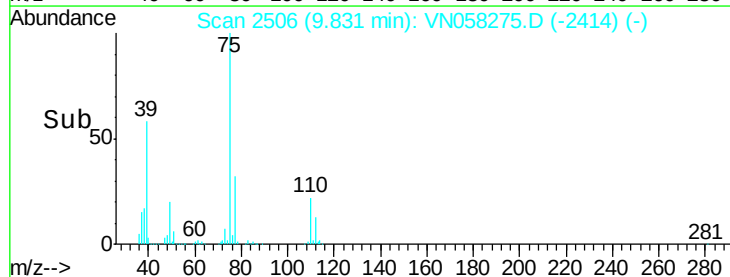
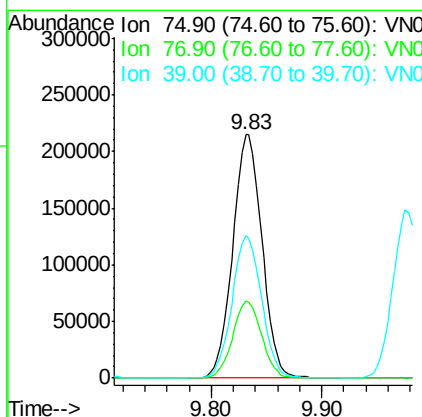
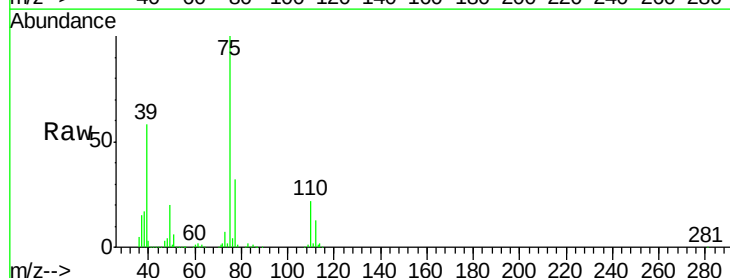
Manual Integrations
APPROVED

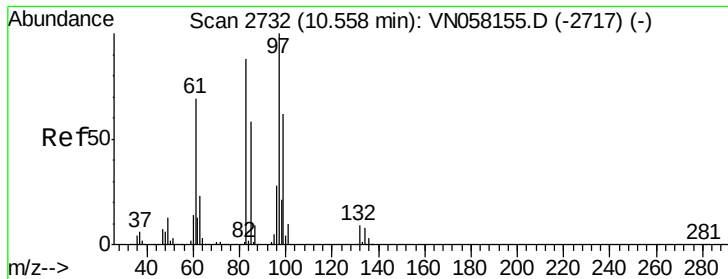
MMDadoda
9/25/2019 12:47:31 AM



#54
cis-1,3-Dichloropropene
Concen: 52.569 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. -0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.4	38.0
39	58.3	45.0	67.6





#55

1,1,2-Trichloroethane

Concen: 52.155 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Instrument :

MSVOA_N

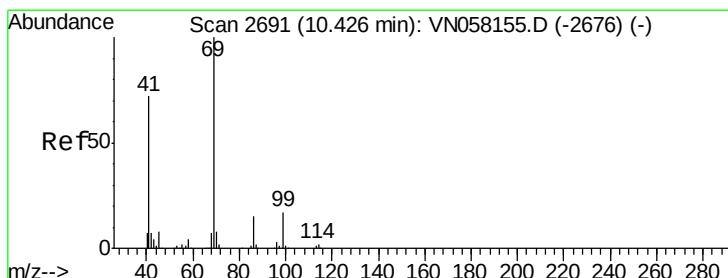
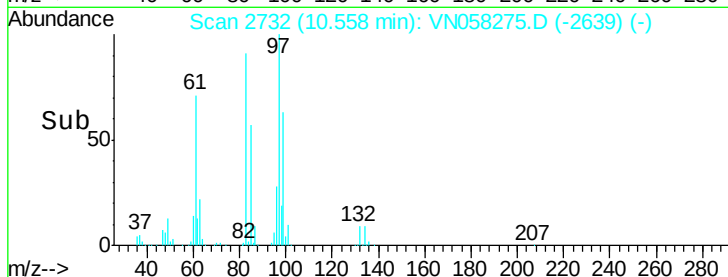
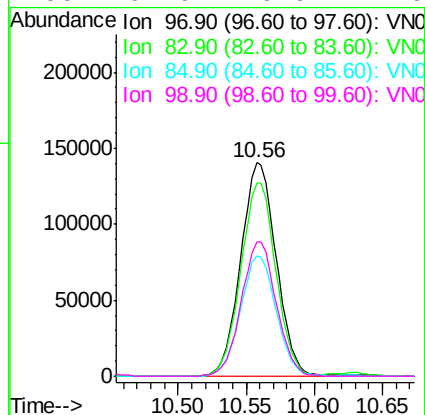
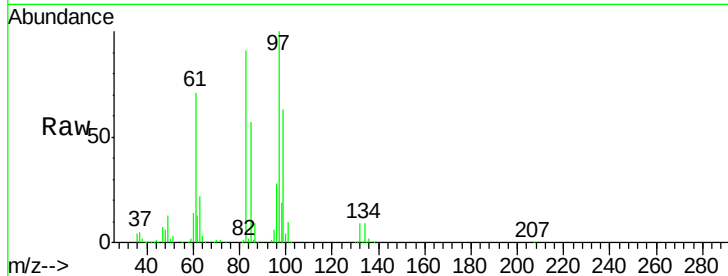
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	253395
Ion	Ratio	Lower	Upper
97	100		
83	90.8	70.4	105.6
85	56.6	46.8	70.2
99	62.6	49.9	74.9

Manual Integrations
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9/25/2019 12:47:31 AM



#56

Ethyl methacrylate

Concen: 54.028 ug/l

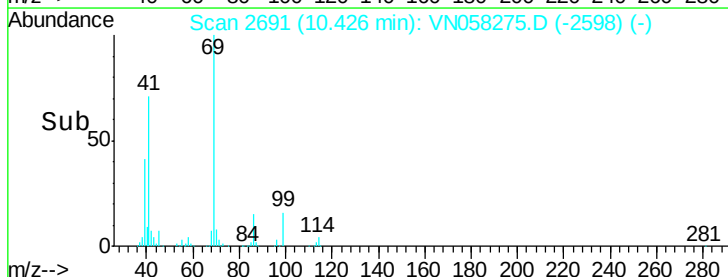
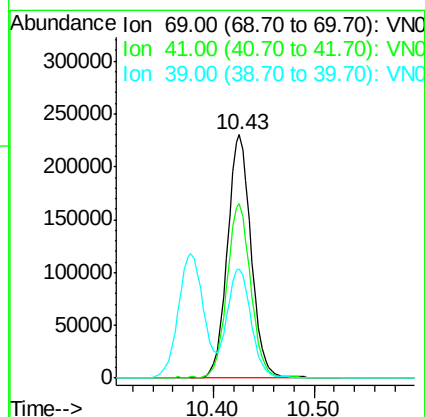
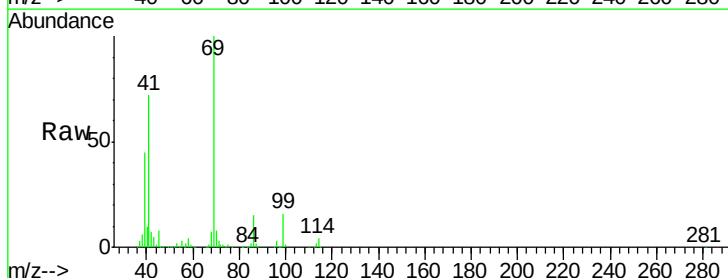
RT: 10.43 min Scan# 2691

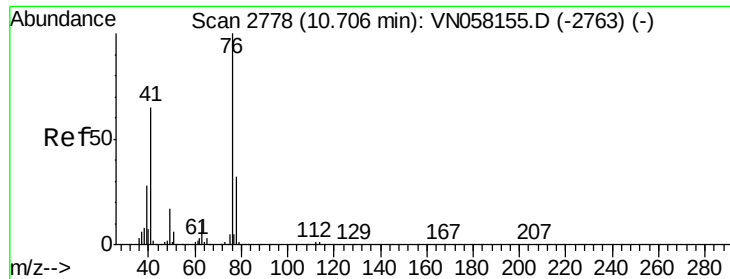
Delta R.T. 0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Tgt Ion:	69	Resp:	378737
Ion	Ratio	Lower	Upper
69	100		
41	71.0	57.5	86.3
39	44.9	36.1	54.1





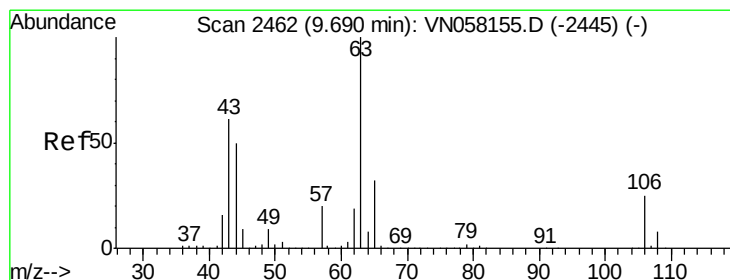
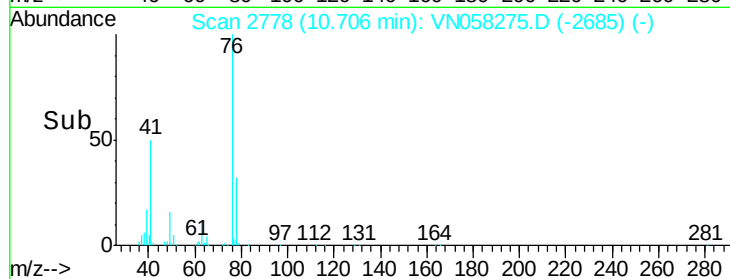
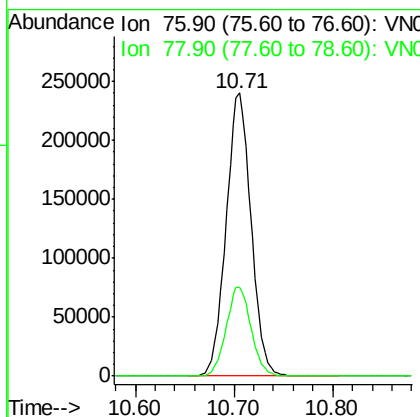
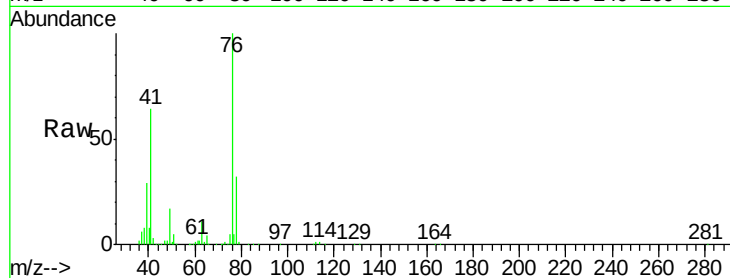
#57
 1,3-Dichloropropane
 Concen: 50.952 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.4	38.0

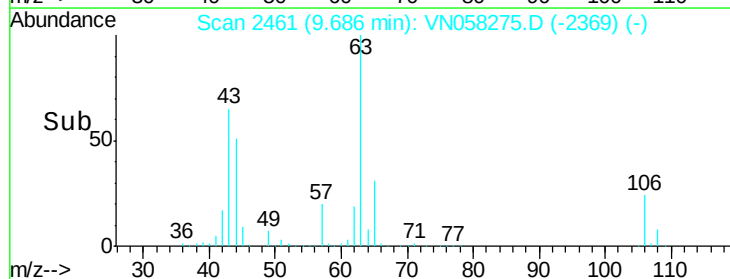
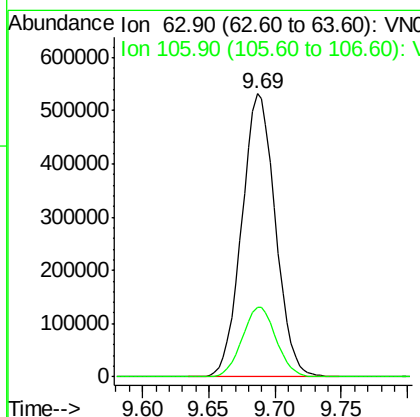
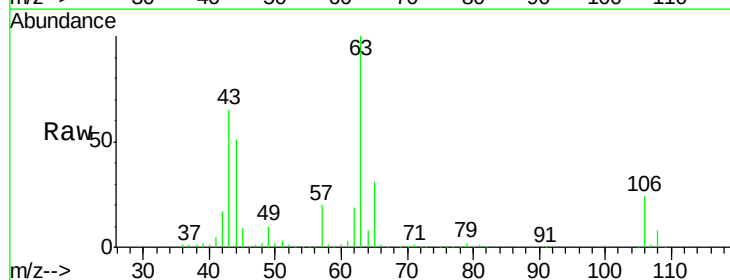
Manual Integrations
 APPROVED

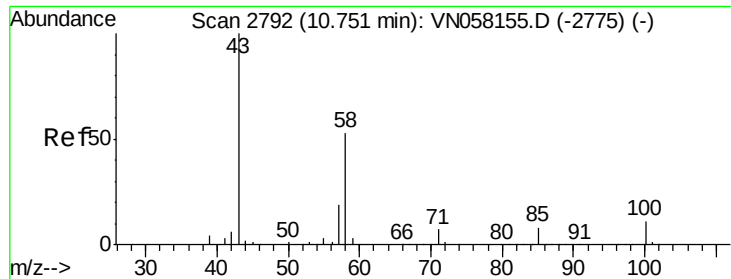
MMDadoda
 9/25/2019 12:47:31 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 280.454 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. -0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.0	19.9	29.9





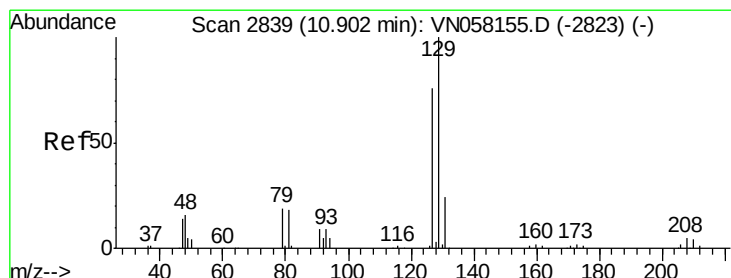
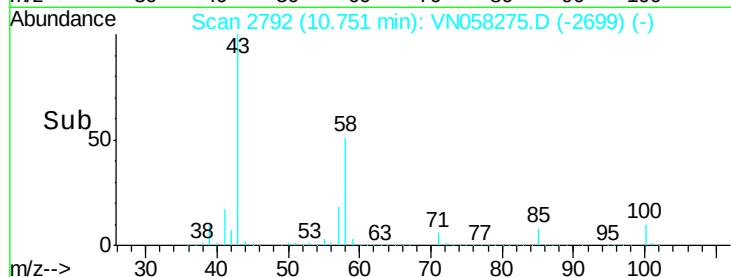
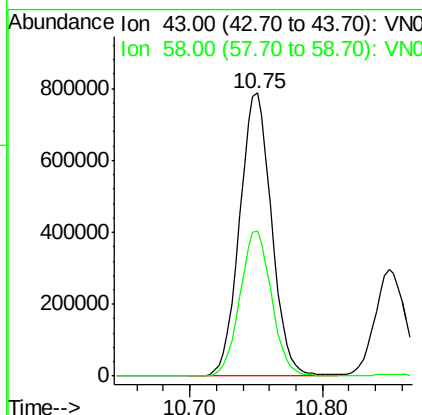
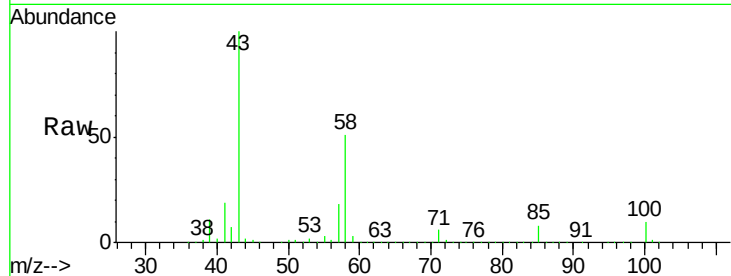
#59
2-Hexanone
Concen: 300.776 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1315286
Ion Ratio Lower Upper
43 100
58 50.9 26.0 78.0

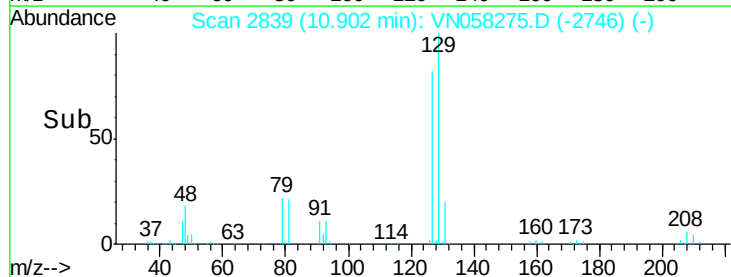
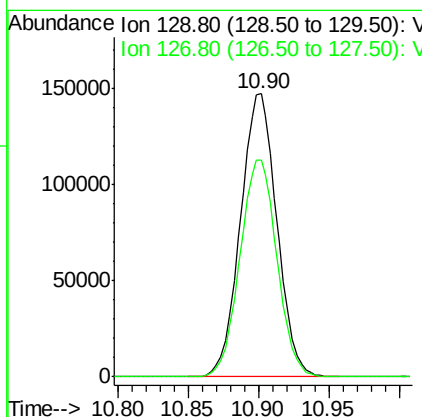
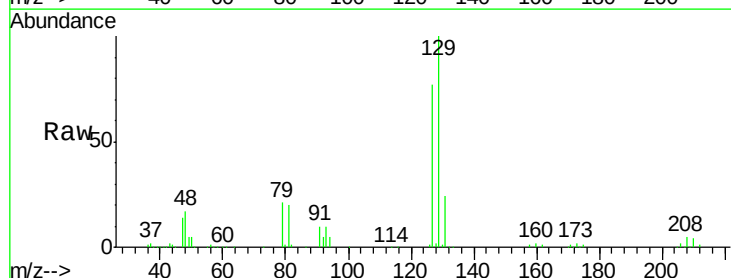
Manual Integrations
APPROVED

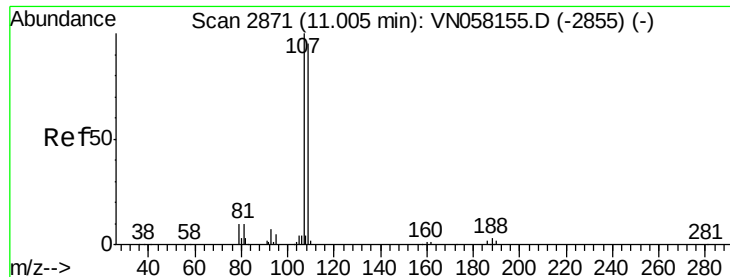
MMDadoda
9/25/2019 12:47:31 AM



#60
Dibromochloromethane
Concen: 56.910 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Tgt Ion: 129 Resp: 266004
Ion Ratio Lower Upper
129 100
127 77.7 38.7 116.1





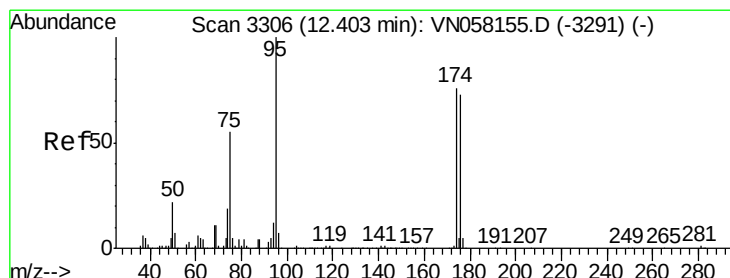
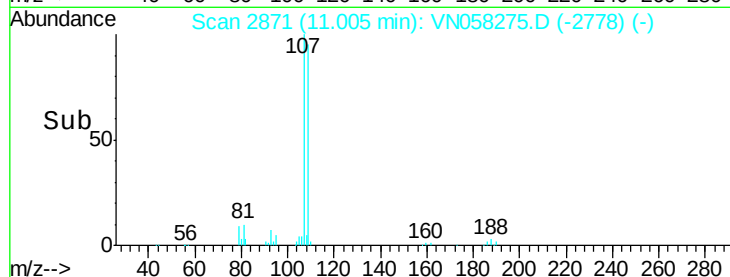
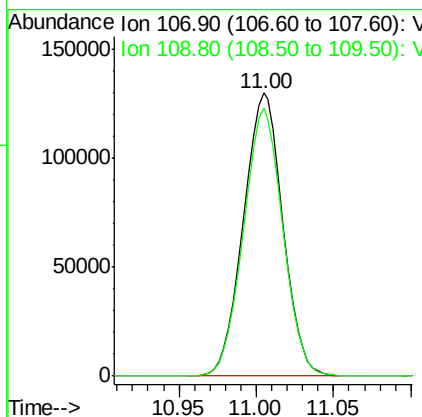
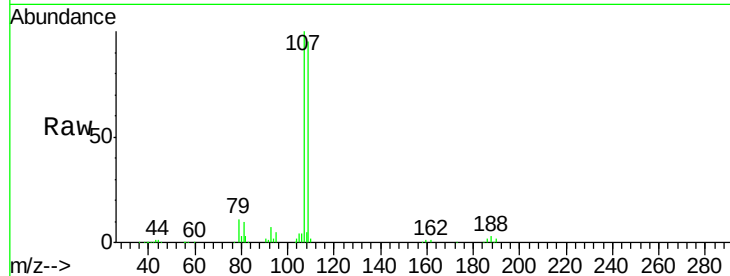
#61
 1,2-Dibromoethane
 Concen: 51.103 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	230097		
109	94.7	75.4	113.2	

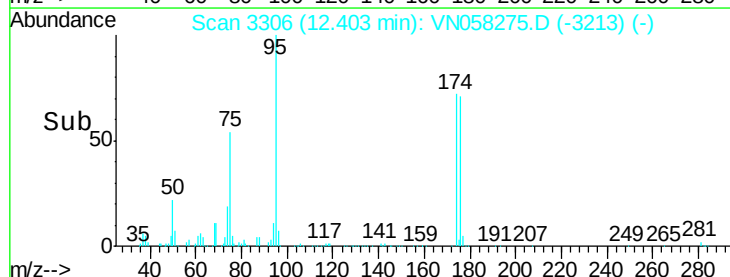
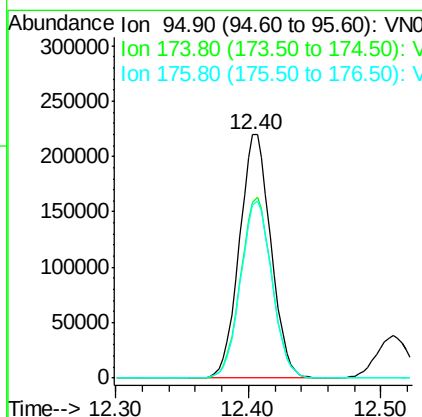
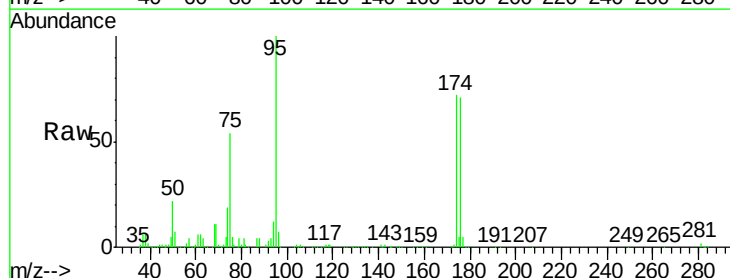
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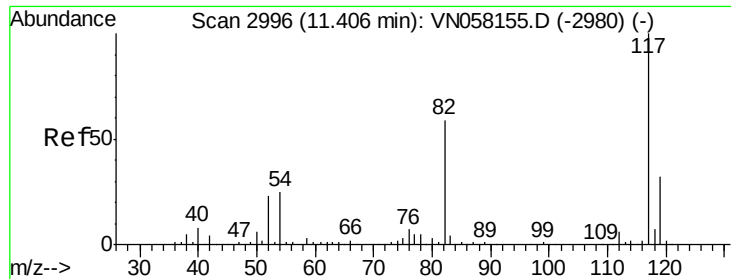
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 51.862 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	361893		
174	73.9	0.0	152.2	
176	72.4	0.0	148.0	





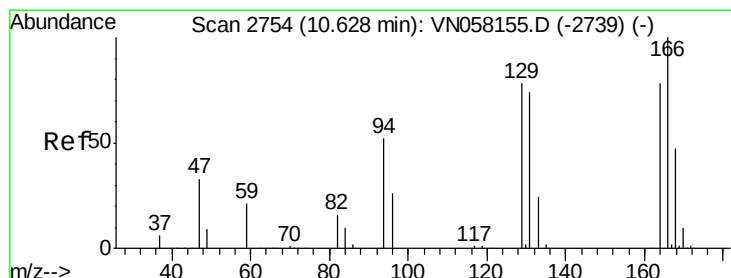
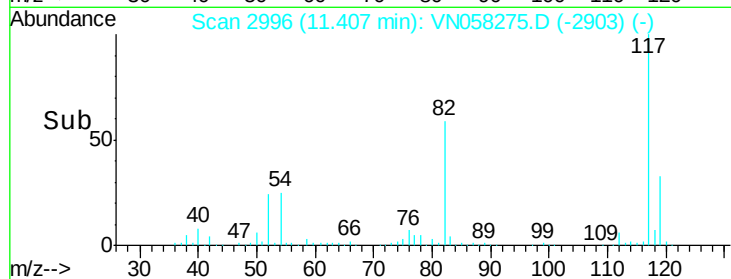
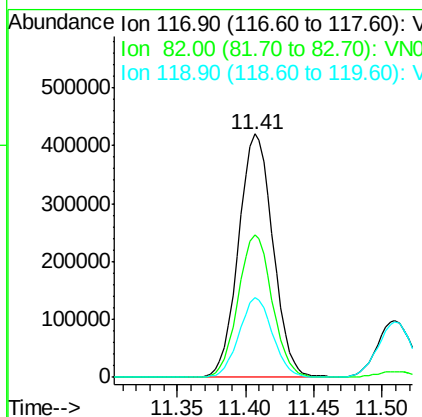
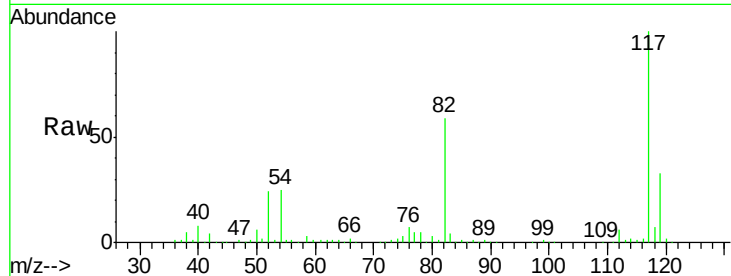
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.7	46.9	70.3
119	32.6	25.3	37.9

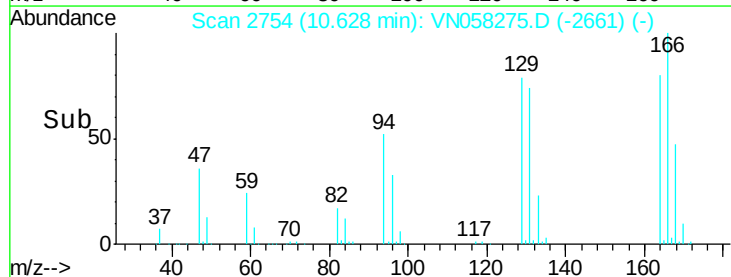
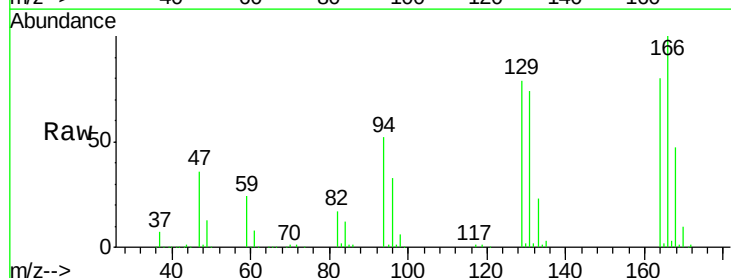
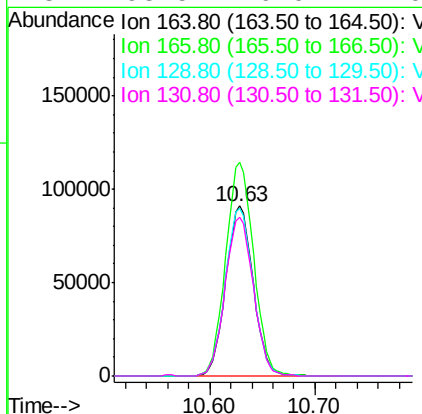
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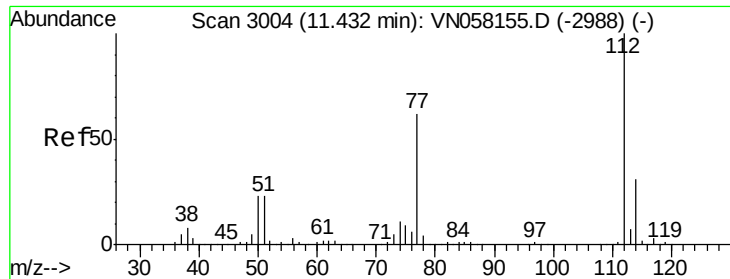
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#64
Tetrachloroethene
Concen: 45.591 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	102.2	153.4
129	99.0	79.6	119.4
131	93.5	76.0	114.0





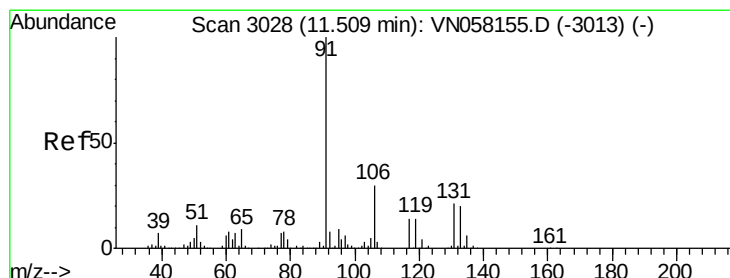
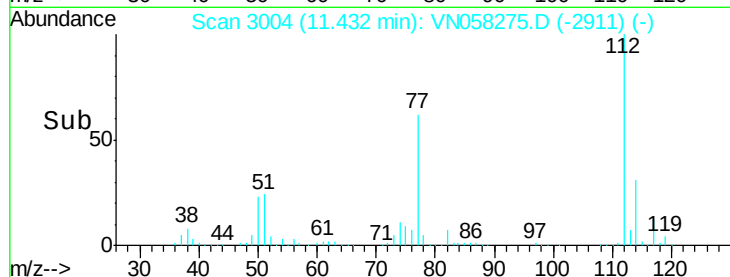
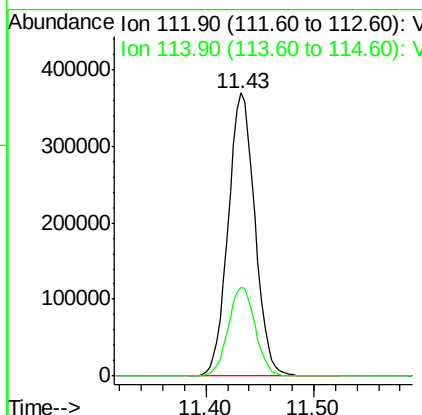
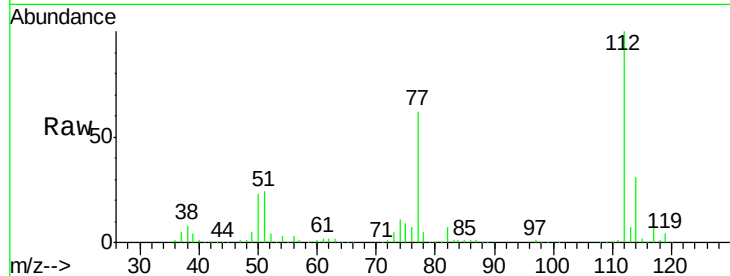
#65
Chlorobenzene
Concen: 48.950 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 633217
Ion Ratio Lower Upper
112 100
114 31.4 25.1 37.7

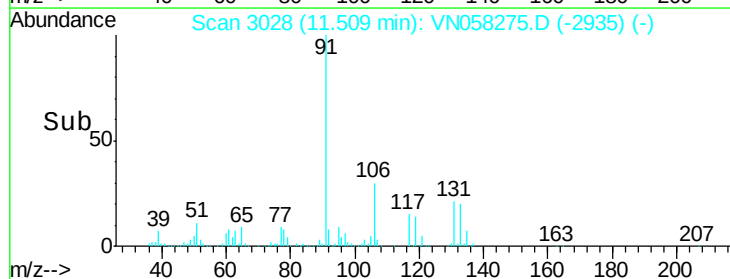
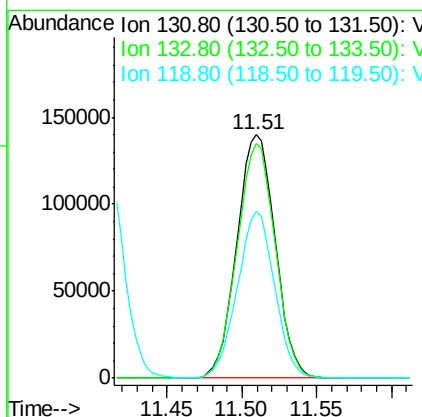
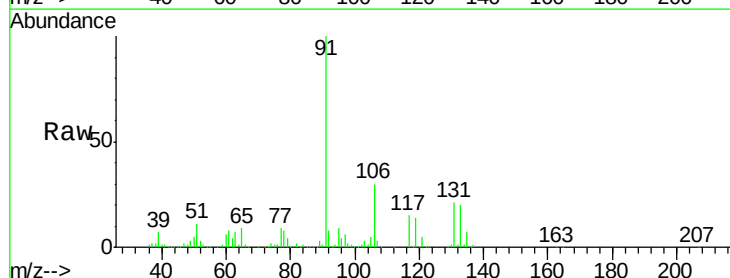
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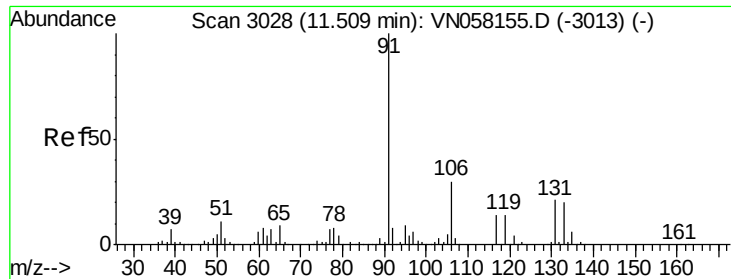
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.213 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Tgt Ion:131 Resp: 249602
Ion Ratio Lower Upper
131 100
133 95.9 47.8 143.3
119 66.3 33.1 99.3





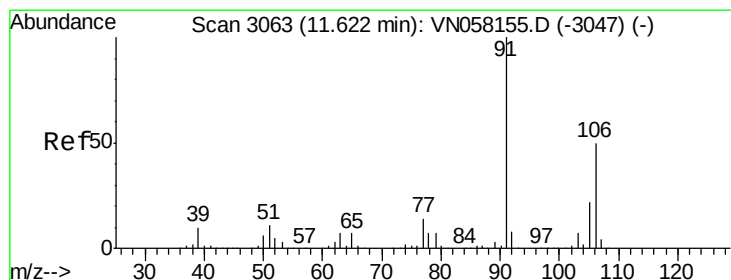
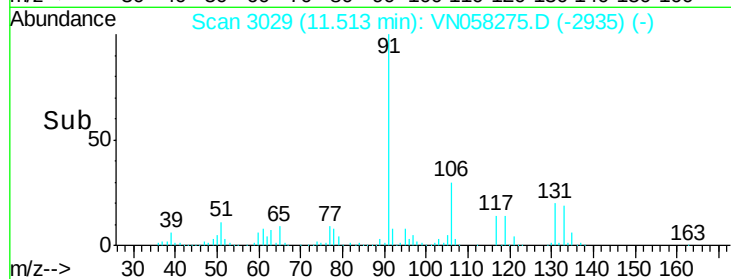
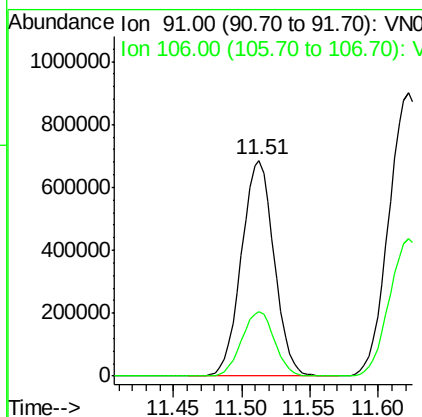
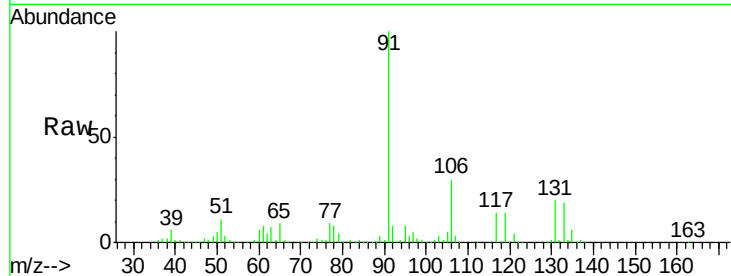
#67
Ethyl Benzene
Concen: 51.422 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1139803
Ion Ratio Lower Upper
91 100
106 29.8 24.0 36.0

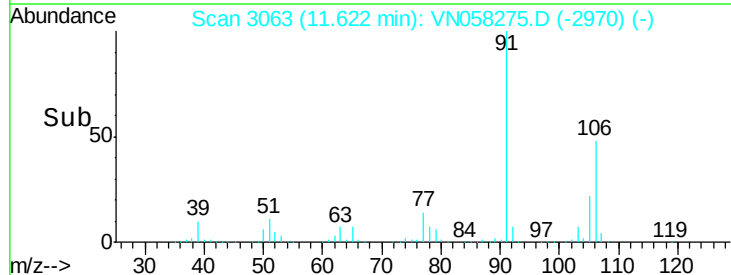
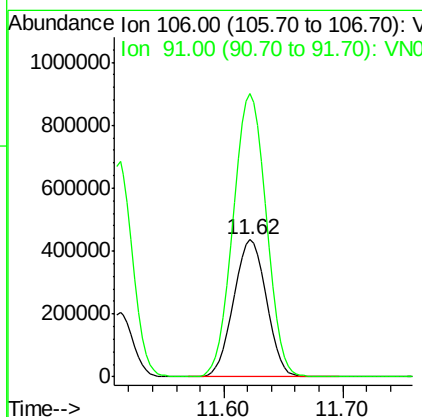
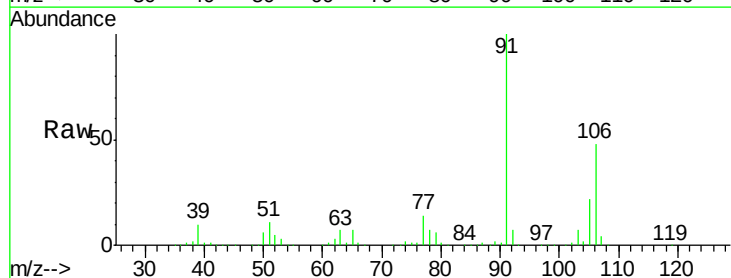
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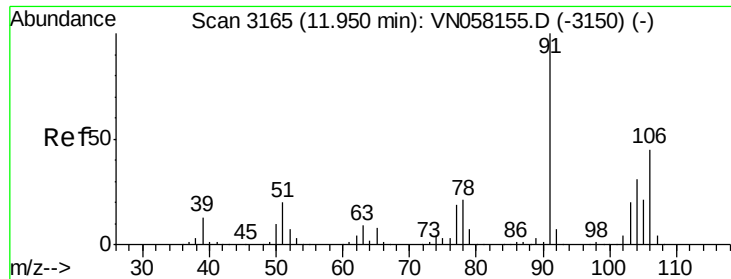
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#68
m/p-Xylenes
Concen: 99.910 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Tgt Ion: 106 Resp: 834069
Ion Ratio Lower Upper
106 100
91 208.3 163.6 245.4





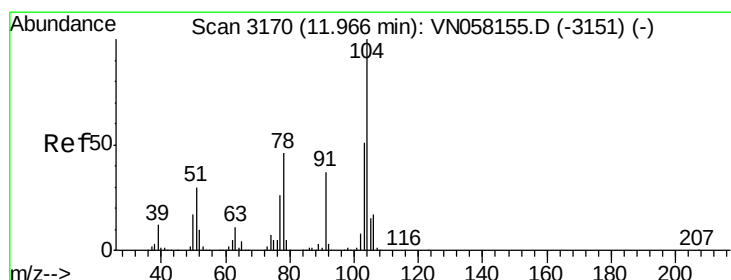
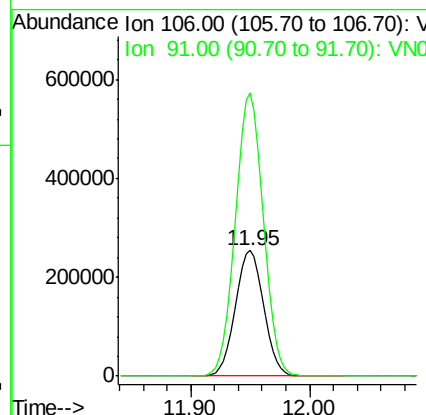
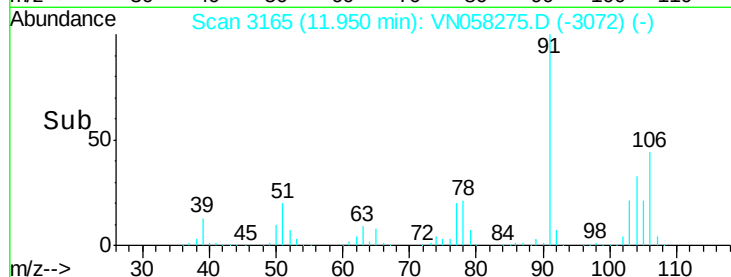
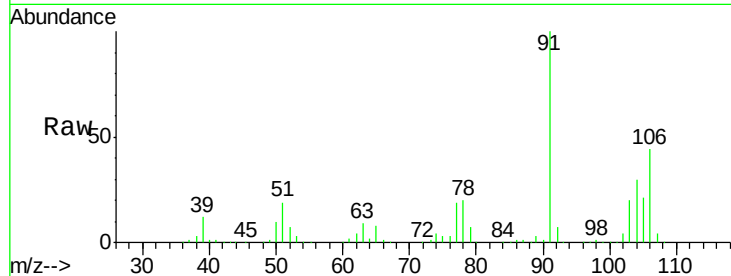
#69
o-Xylene
Concen: 51.075 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 419262
Ion Ratio Lower Upper
106 100
91 222.8 111.8 335.3

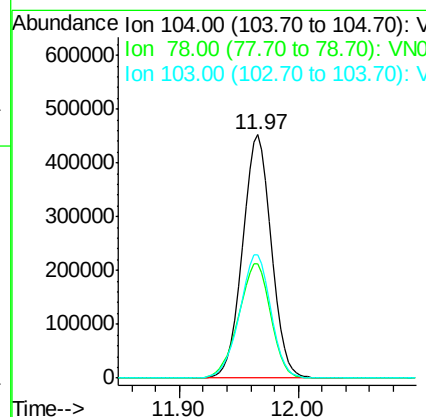
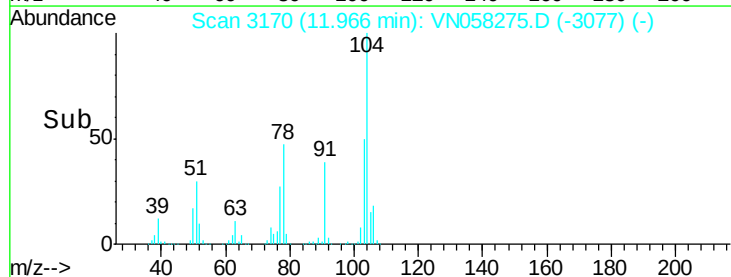
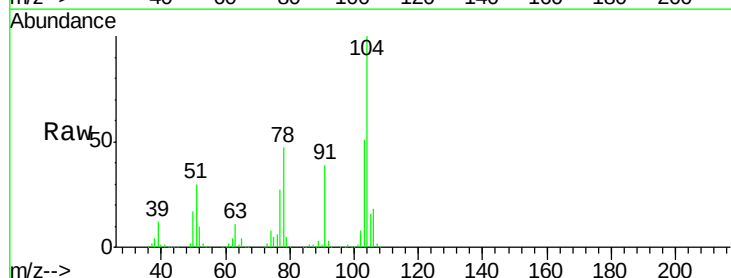
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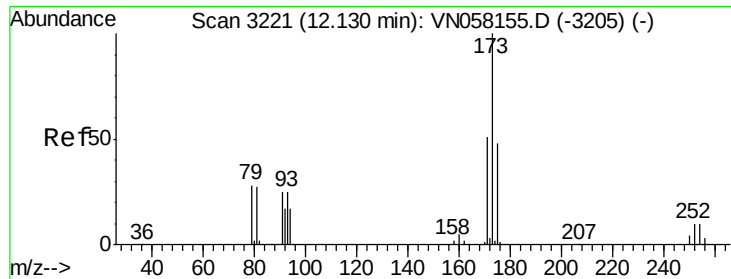
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#70
Styrene
Concen: 53.505 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Tgt Ion:104 Resp: 756754
Ion Ratio Lower Upper
104 100
78 52.7 41.8 62.8
103 55.1 44.2 66.2





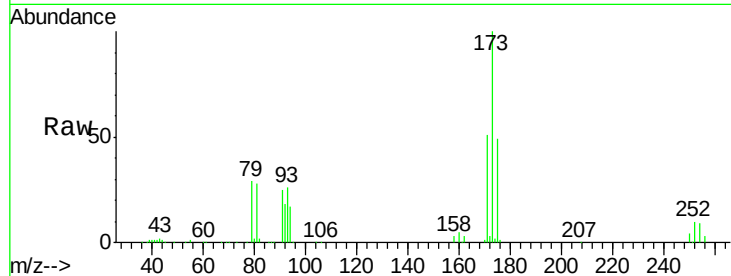
#71
Bromoform
Concen: 49.720 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

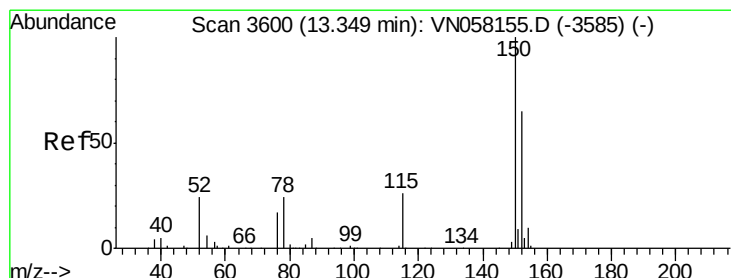
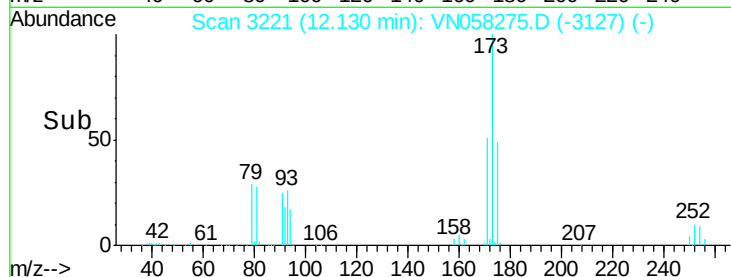
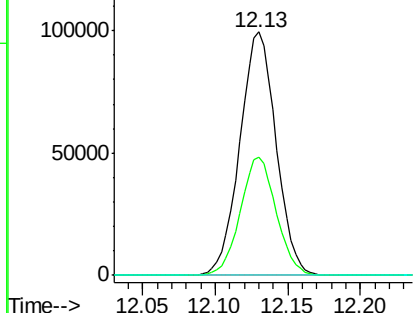
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.2	72.6
254	0.1	0.1	0.1

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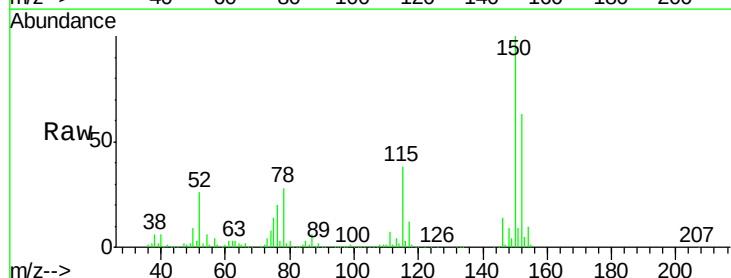


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

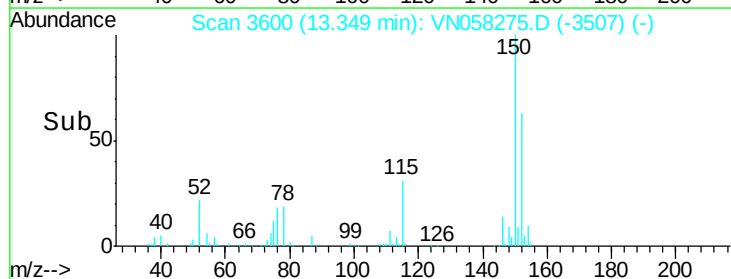
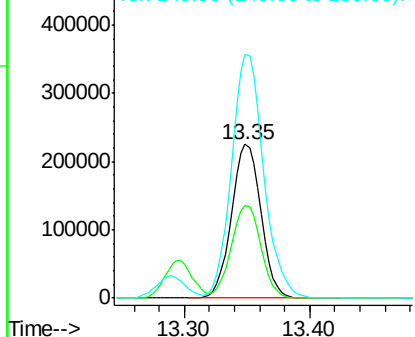


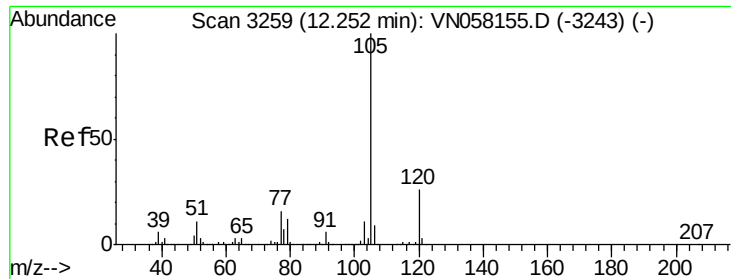
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.8	30.1	90.3
150	172.3	0.0	346.4



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





#73

Isopropylbenzene

Concen: 52.146 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1197476

Ion Ratio Lower Upper

105 100

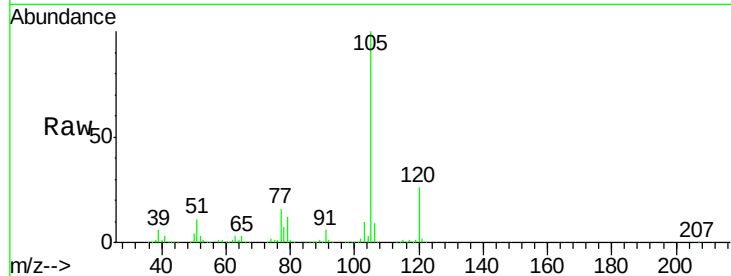
120 26.0 12.8 38.3

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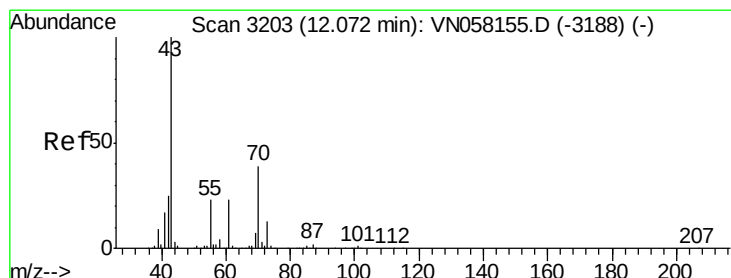
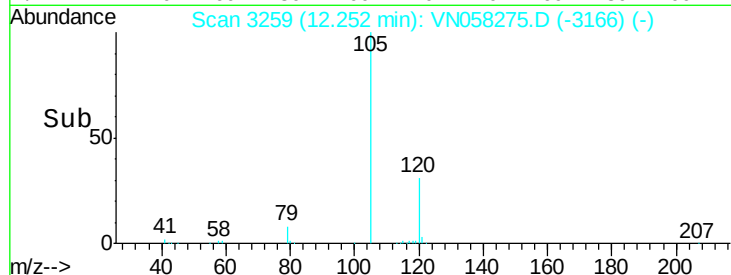
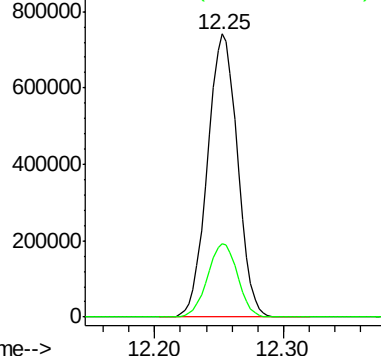
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.467 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Tgt Ion: 43 Resp: 523253

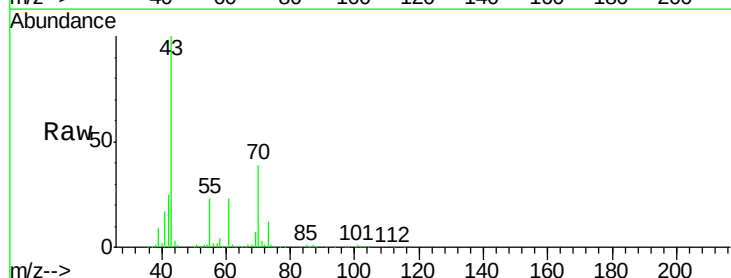
Ion Ratio Lower Upper

43 100

70 39.0 31.0 46.6

55 23.8 18.5 27.7

61 22.6 18.2 27.2

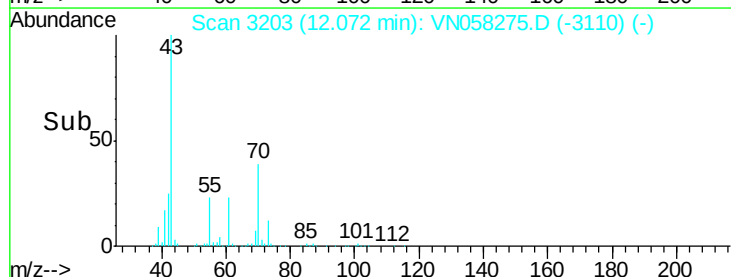
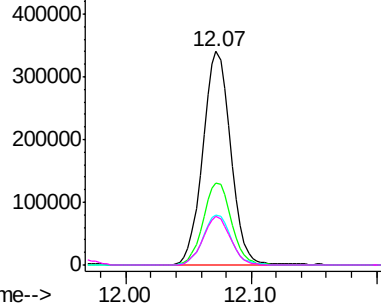


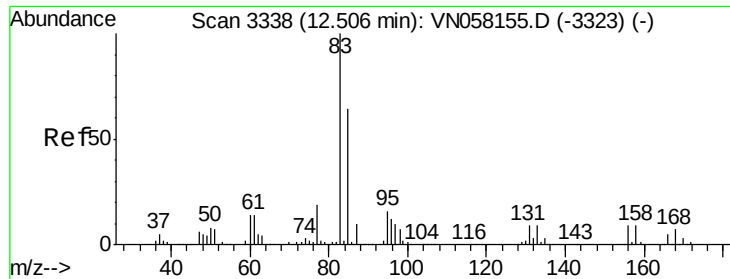
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 51.874 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Instrument :

MSVOA_N

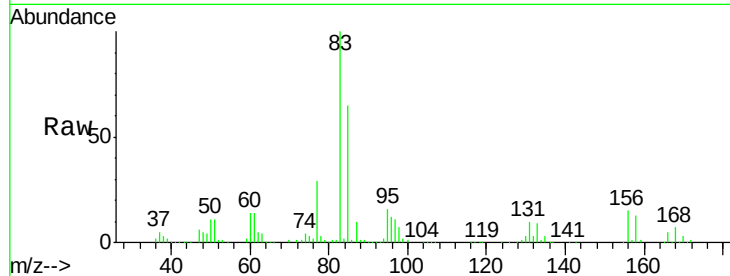
ClientSampled :

VSTDCCC050

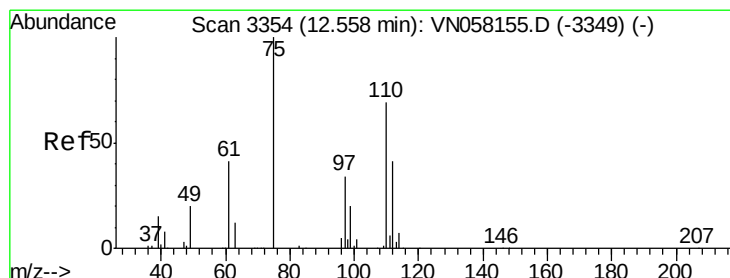
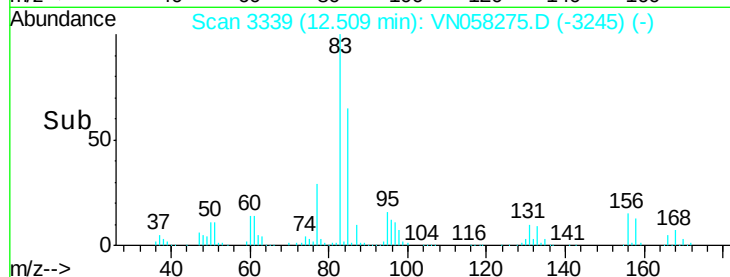
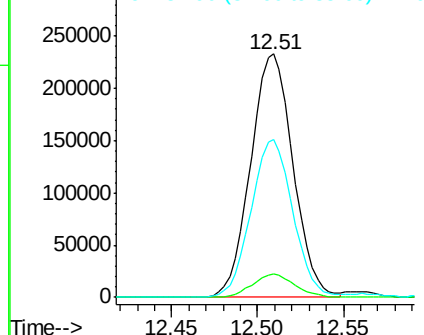
Tot Ion:	83	Resp:	398915
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.8	14.3
85	63.9	31.9	95.5

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Abundance Ion 82.90 (82.60 to 83.60): VN058275.D (-3339) (-)



#76

1,2,3-Trichloropropane

Concen: 51.172 ug/l m

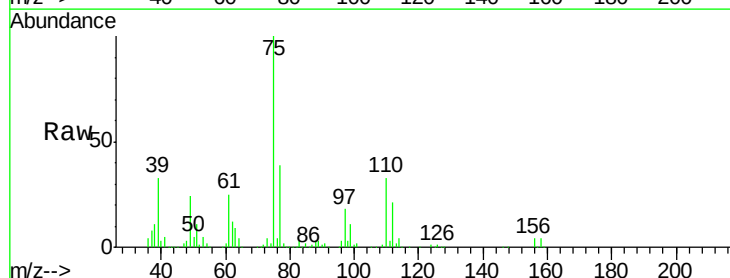
RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

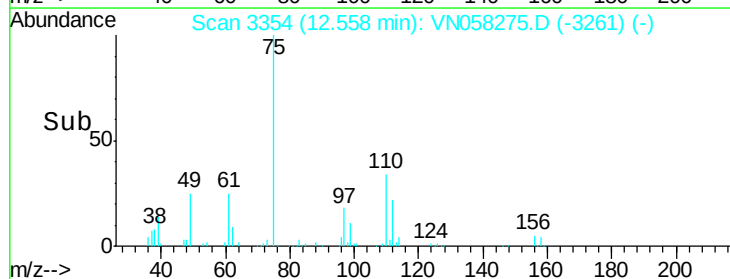
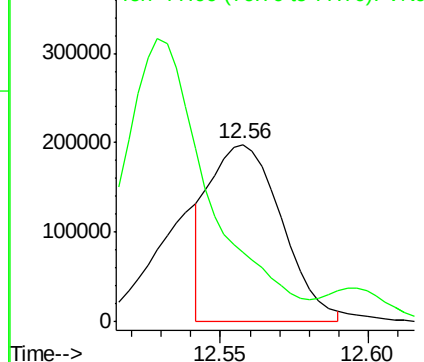
Lab File: VN058275.D

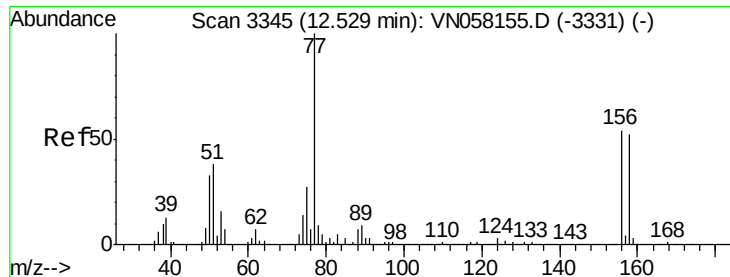
Acq: 23 Sep 2019 8:42

Tgt Ion:	75	Resp:	335989
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058275.D (-3354) (-)





#77

Bromobenzene

Concen: 48.862 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 282248

Ion Ratio Lower Upper

156 100

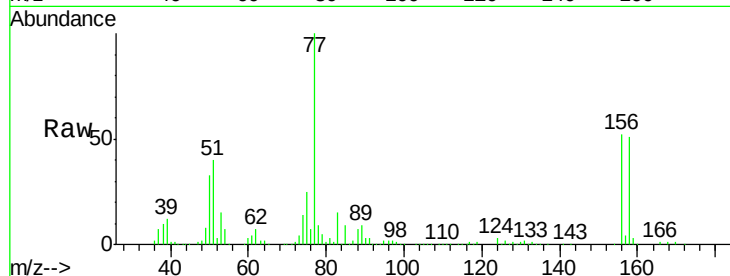
77 227.8 111.7 335.1

158 97.4 47.9 143.8

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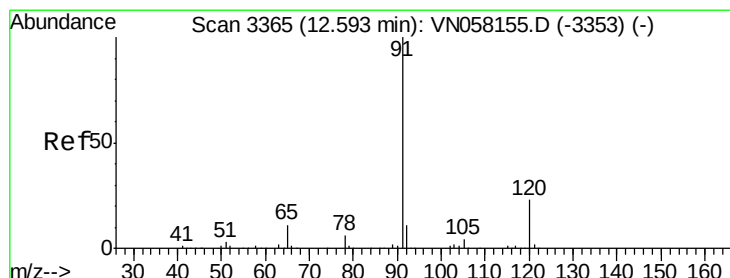
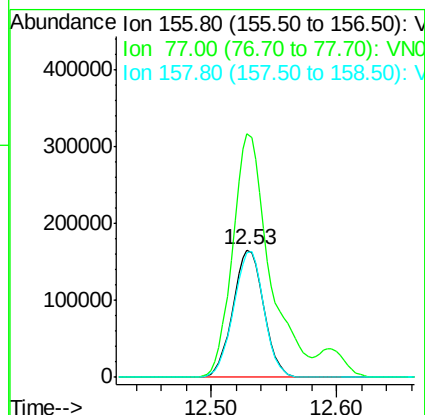
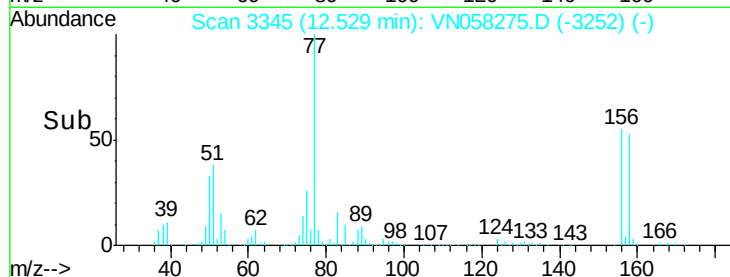
9/25/2019 12:47:31 AM



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: 54.490 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058275.D

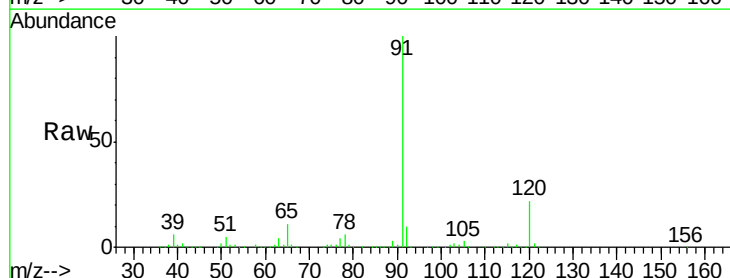
Acq: 23 Sep 2019 8:42

Tgt Ion: 91 Resp: 1421941

Ion Ratio Lower Upper

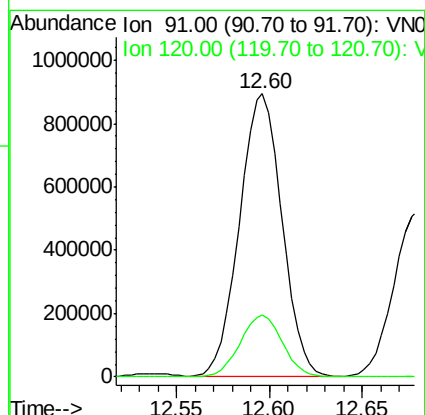
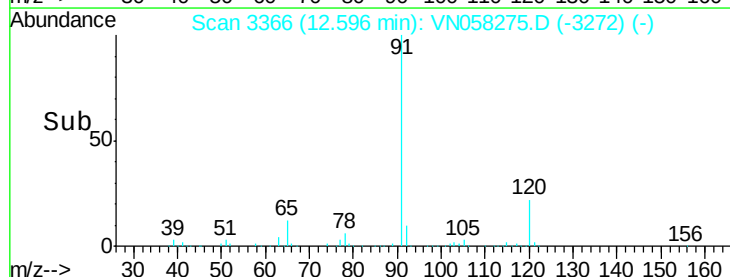
91 100

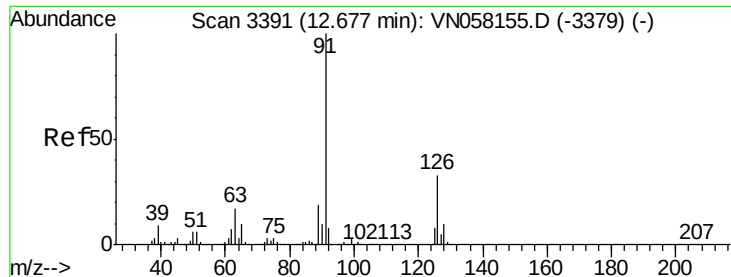
120 21.7 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





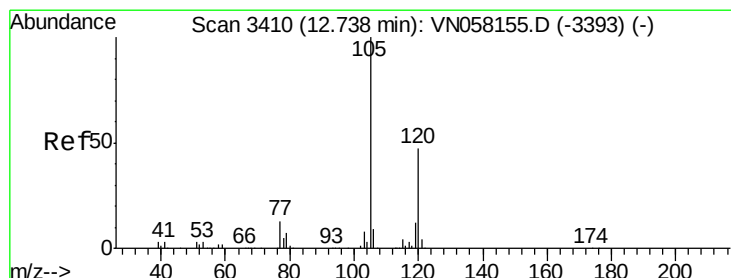
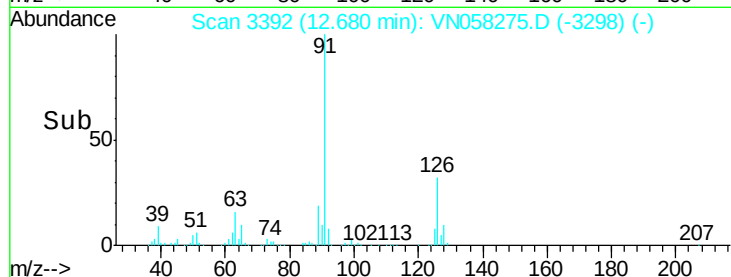
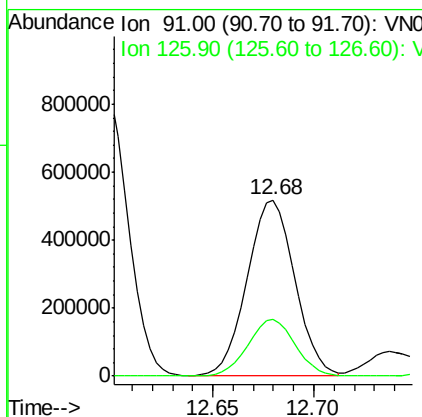
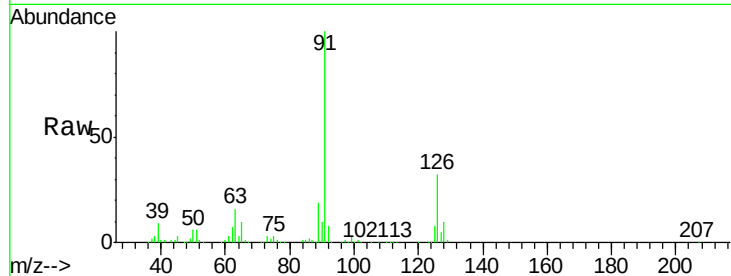
#79
2-Chlorotoluene
Concen: 52.310 ug/l
RT: 12.68 min Scan# 3392
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 853099
Ion Ratio Lower Upper
91 100
126 32.2 16.4 49.1

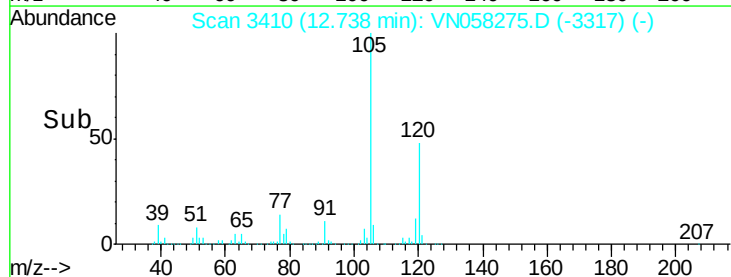
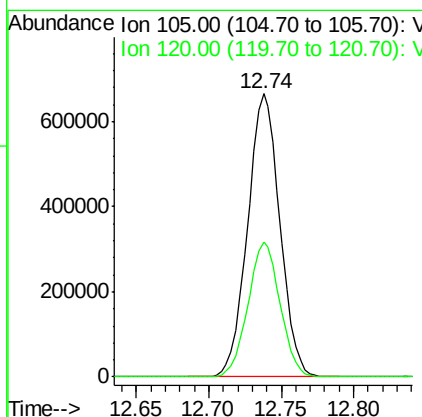
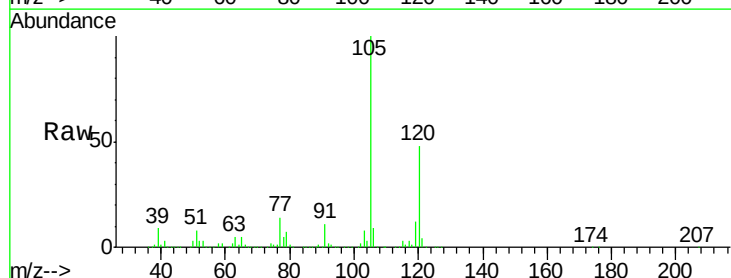
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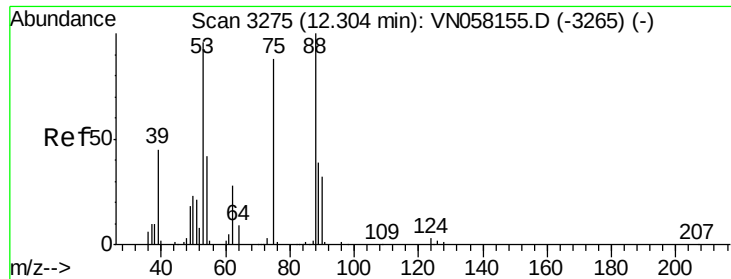
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#80
1,3,5-Trimethylbenzene
Concen: 52.813 ug/l
RT: 12.74 min Scan# 3410
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Tgt Ion: 105 Resp: 1025575
Ion Ratio Lower Upper
105 100
120 47.5 23.4 70.0





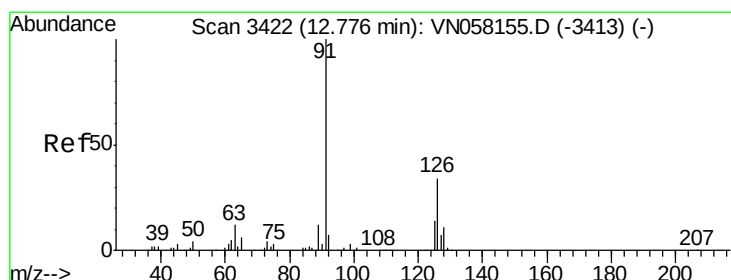
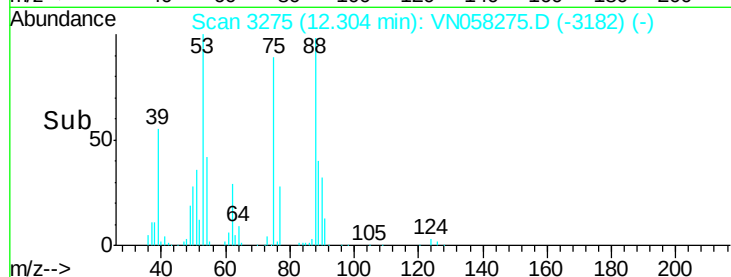
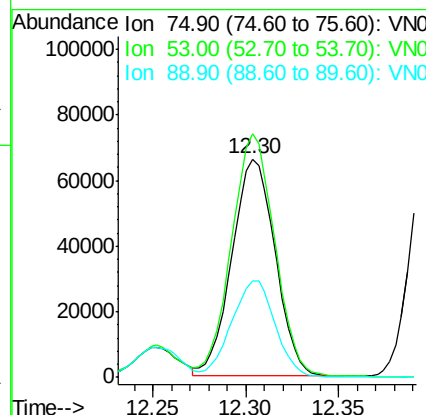
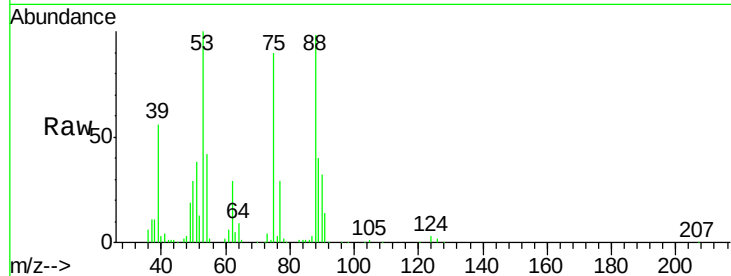
#81
trans-1,4-Dichloro-2-butene
Concen: 48.792 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.6	90.1	135.1
89	45.2	36.2	54.2

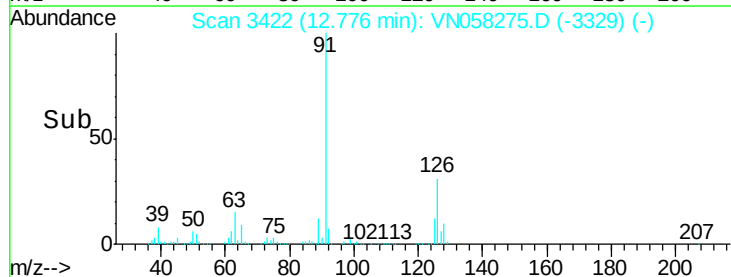
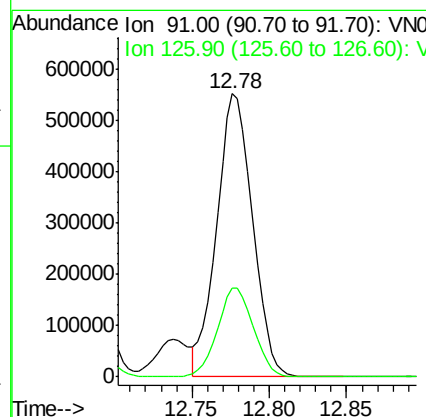
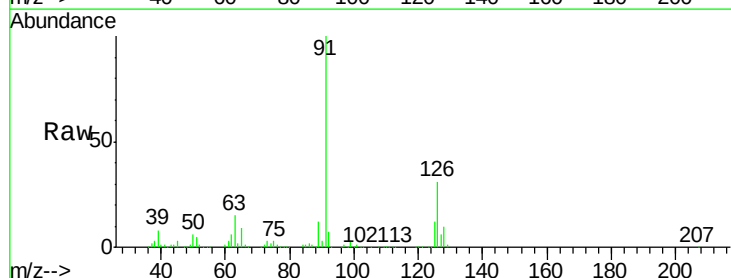
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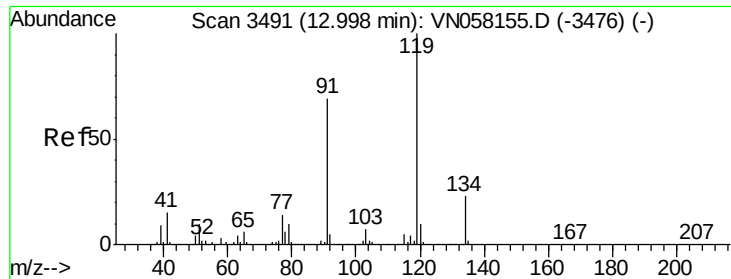
MMDadoda
9/25/2019 12:47:31 AM



#82
4-Chlorotoluene
Concen: 51.702 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.7	47.1





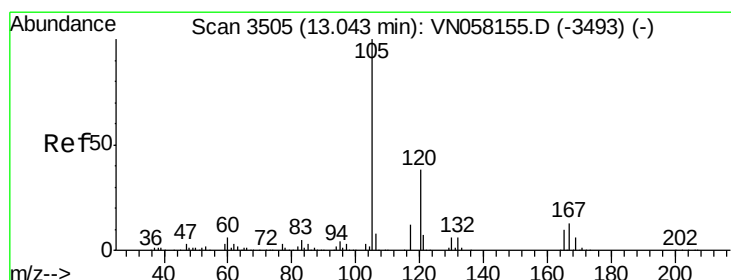
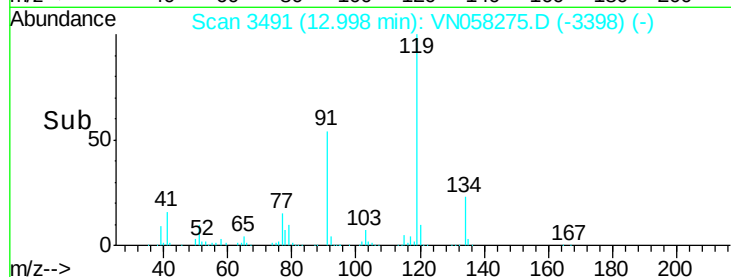
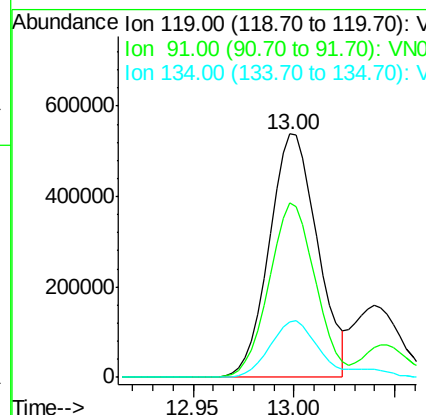
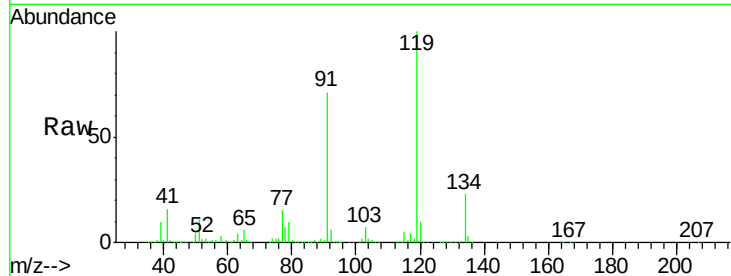
#83
 tert-Butylbenzene
 Concen: 51.604 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	893636		
91	68.9		33.8	101.3
134	23.4		11.6	34.8

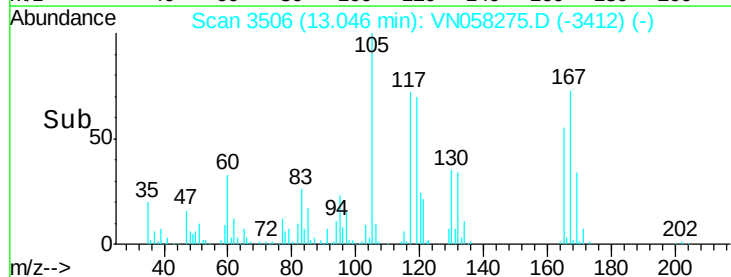
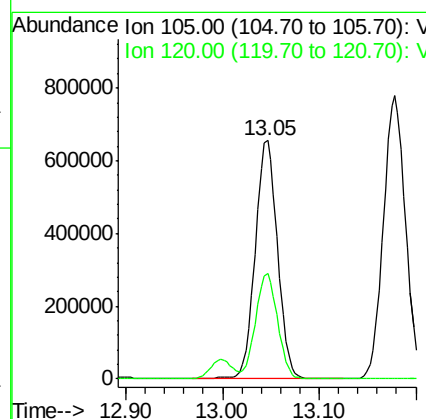
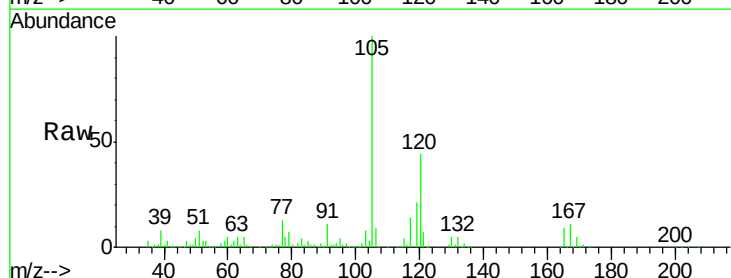
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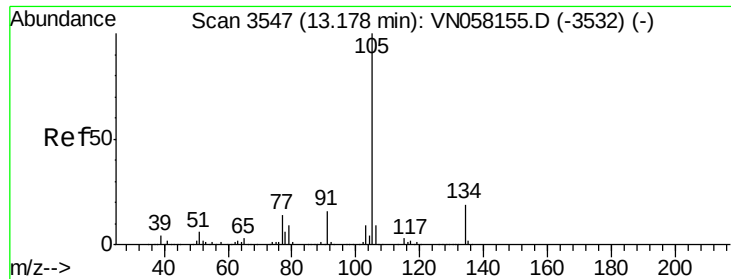
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.238 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1048142		
120	43.8		22.1	66.5





#85

sec-Butylbenzene

Concen: 54.409 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1232108

Ion Ratio Lower Upper

105 100

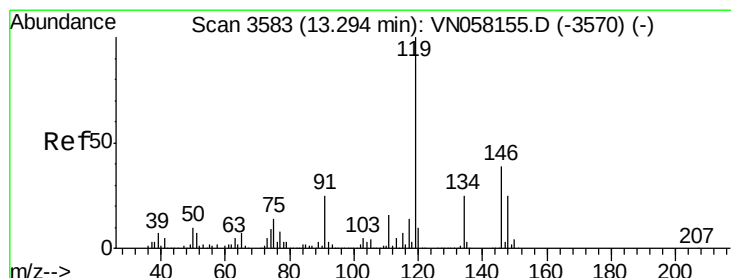
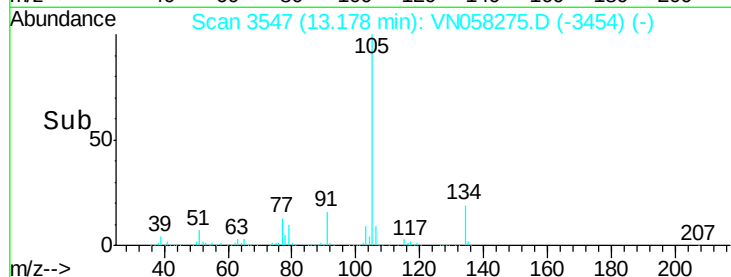
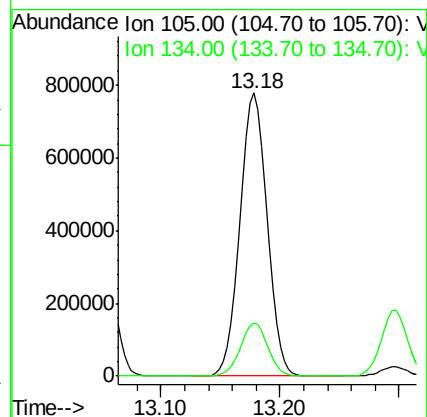
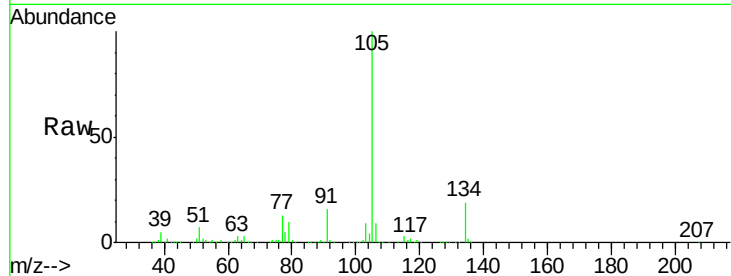
134 18.9 9.5 28.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 54.930 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

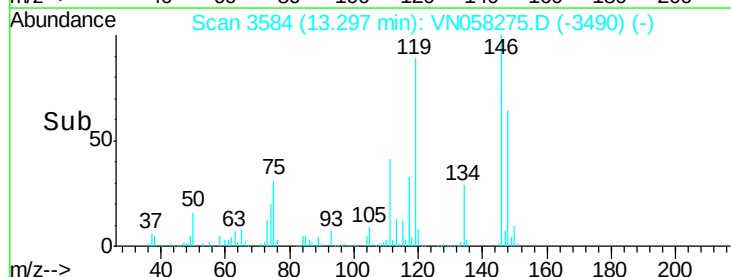
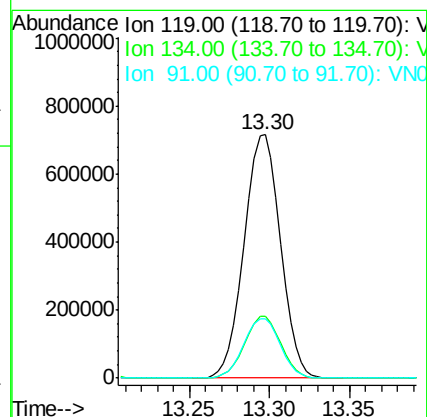
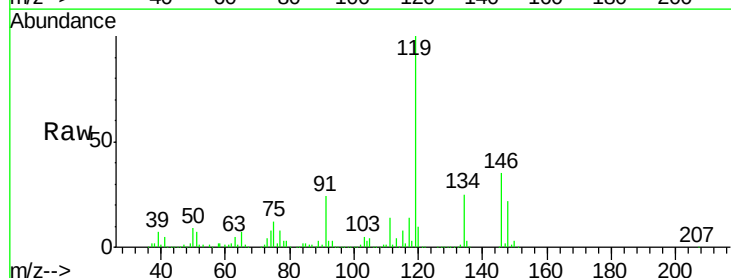
Tgt Ion:119 Resp: 1105849

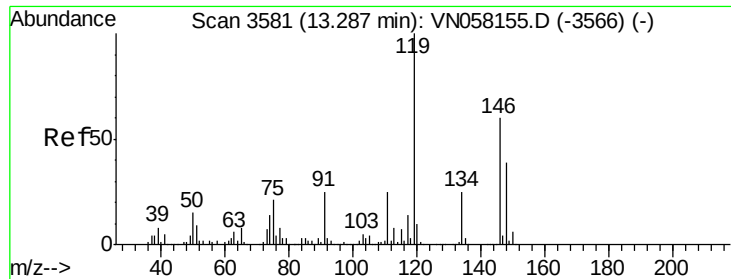
Ion Ratio Lower Upper

119 100

134 25.2 12.7 38.0

91 24.5 12.3 36.8





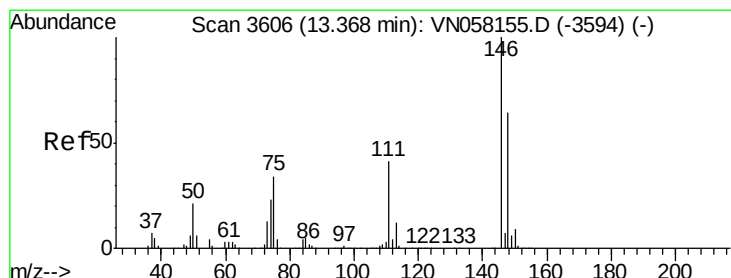
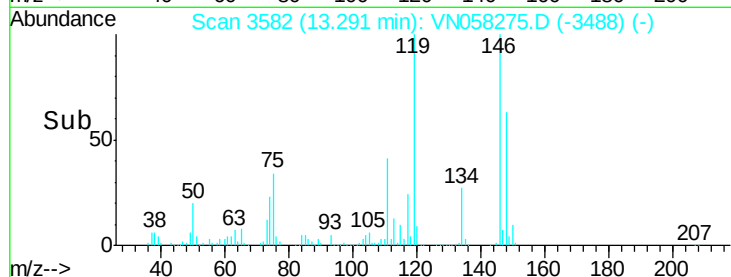
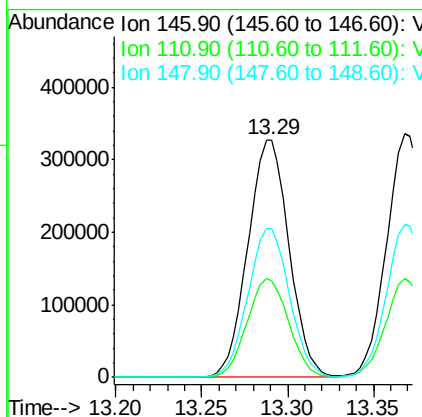
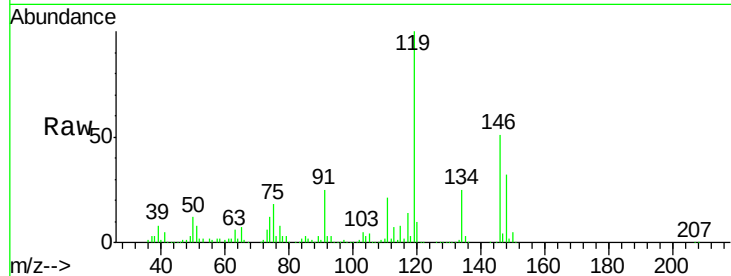
#87
 1,3-Dichlorobenzene
 Concen: 51.568 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	544074		
111	41.9	20.9	62.8	
148	63.3	32.0	96.2	

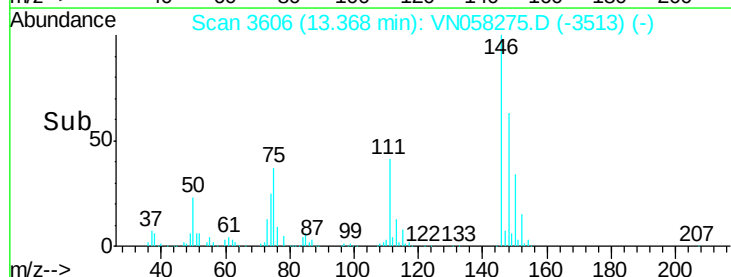
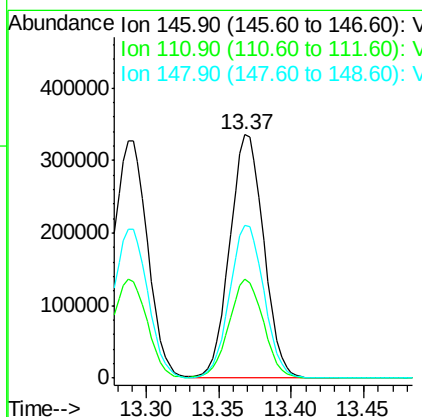
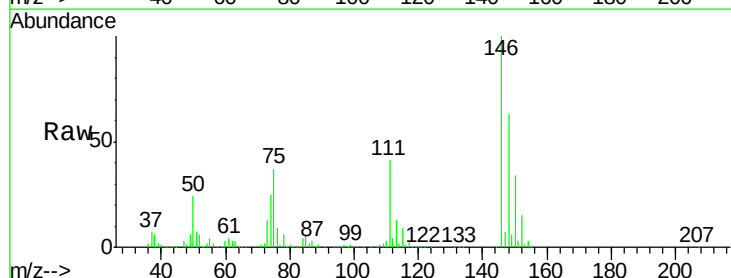
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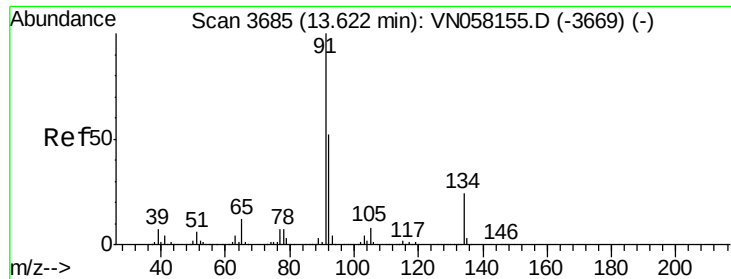
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#88
 1,4-Dichlorobenzene
 Concen: 50.627 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	545312		
111	41.1	20.5	61.5	
148	63.5	31.9	95.5	





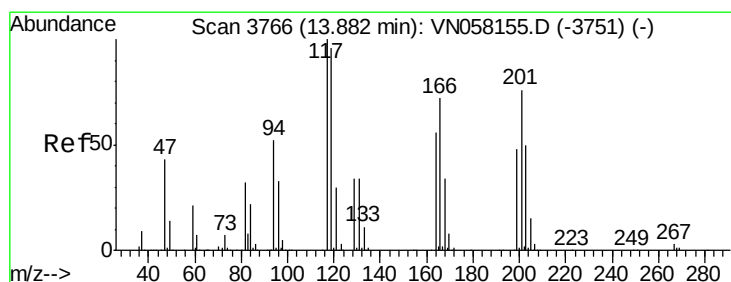
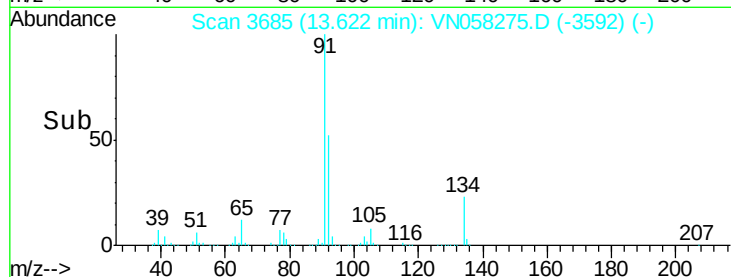
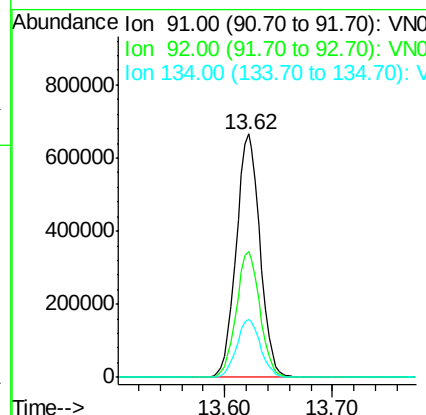
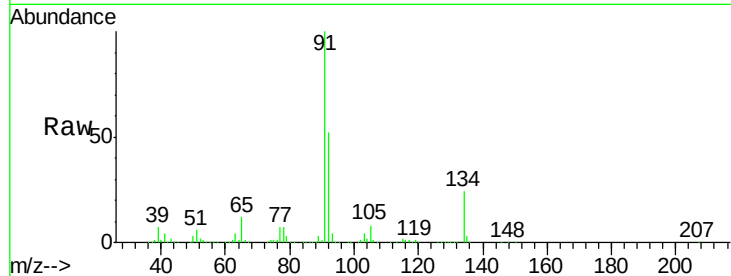
#89
n-Butylbenzene
Concen: 53.568 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1022443
Ion Ratio Lower Upper
91 100
92 51.4 25.7 77.0
134 24.0 11.8 35.4

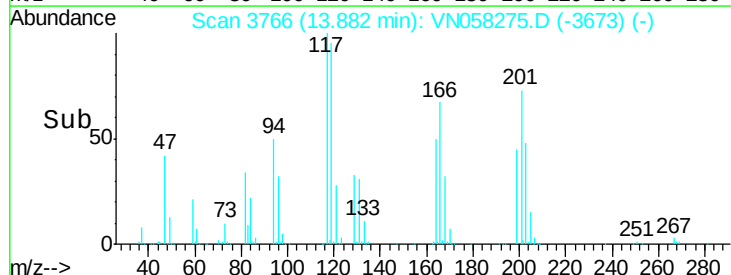
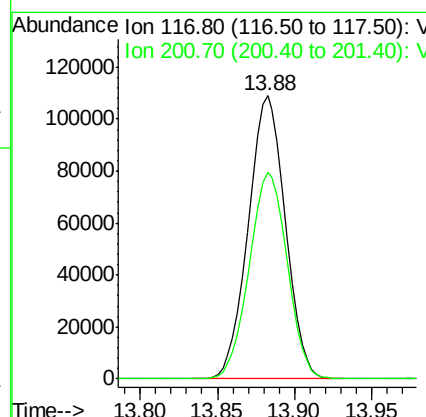
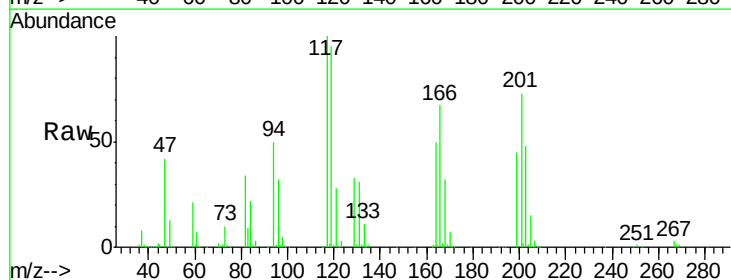
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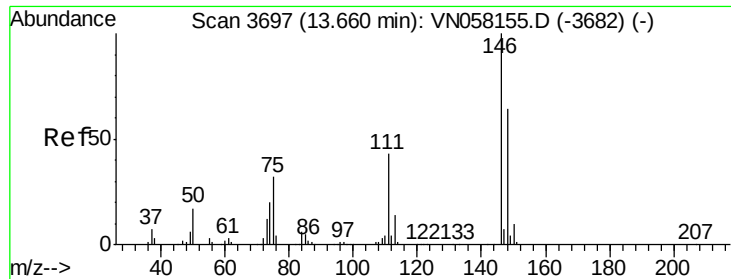
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#90
Hexachloroethane
Concen: 51.476 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Tgt Ion: 117 Resp: 182037
Ion Ratio Lower Upper
117 100
201 74.7 37.5 112.5





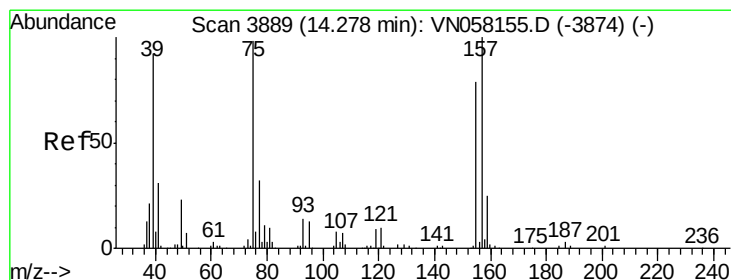
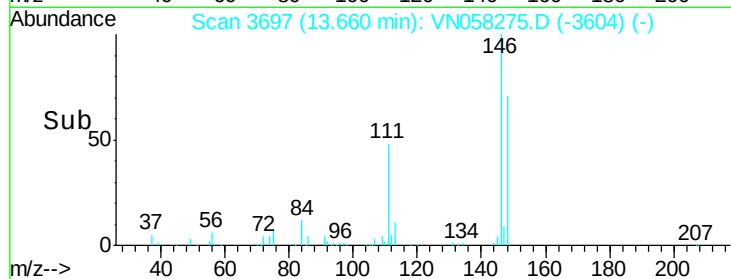
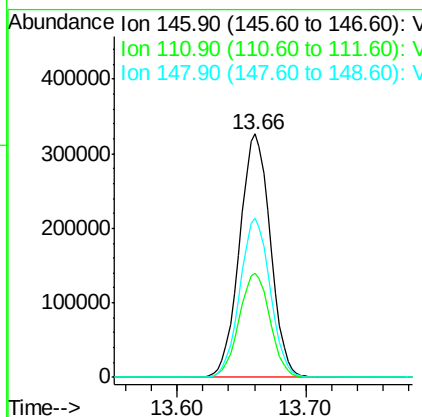
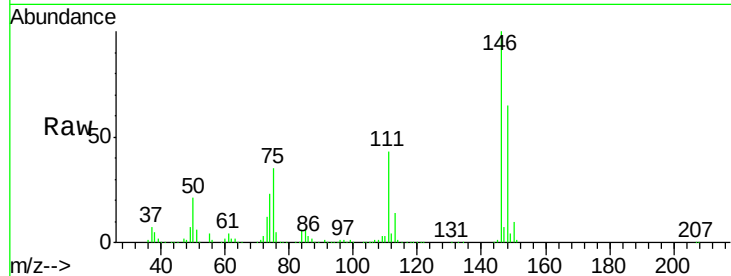
#91
 1,2-Dichlorobenzene
 Concen: 51.351 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.1	63.1
148	64.3	31.8	95.4

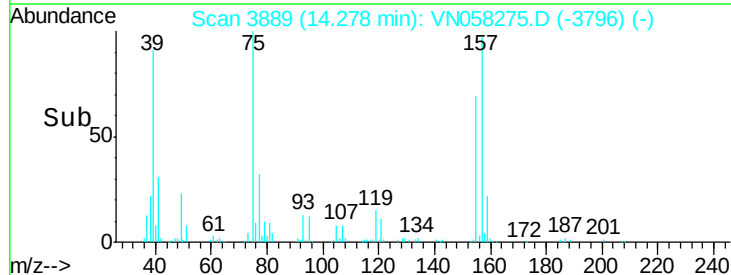
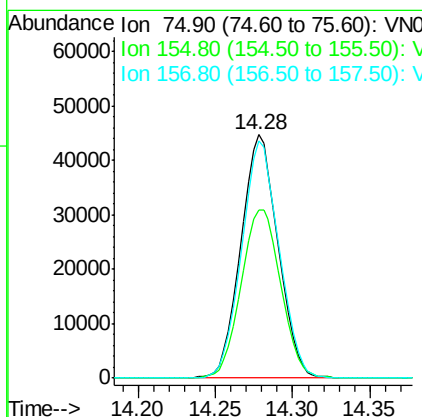
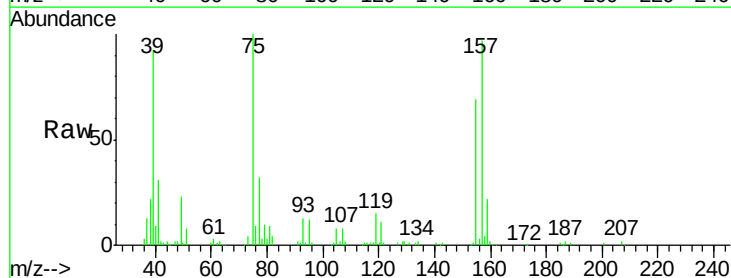
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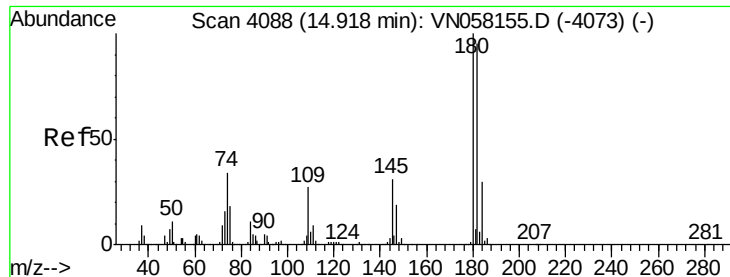
MMDadoda
 9/25/2019 12:47:31 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.925 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.9	38.3	114.8
157	97.9	48.0	144.0





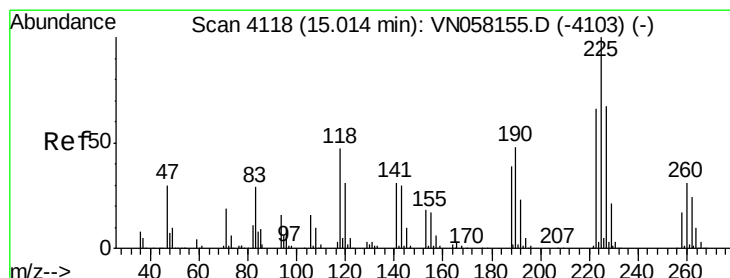
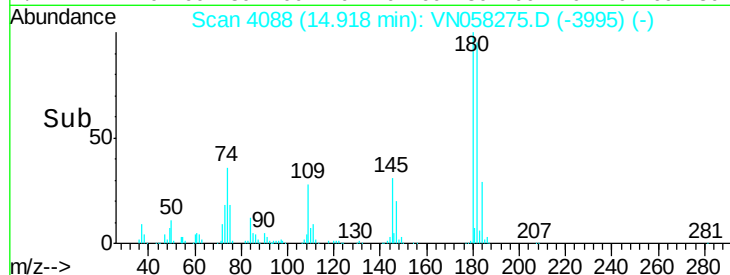
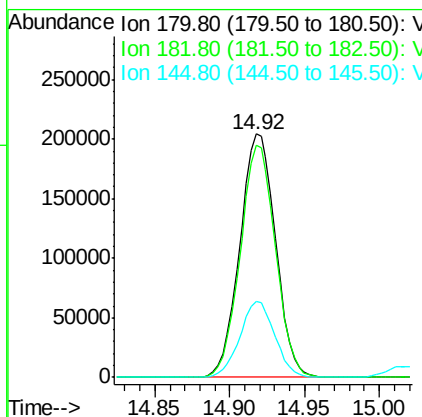
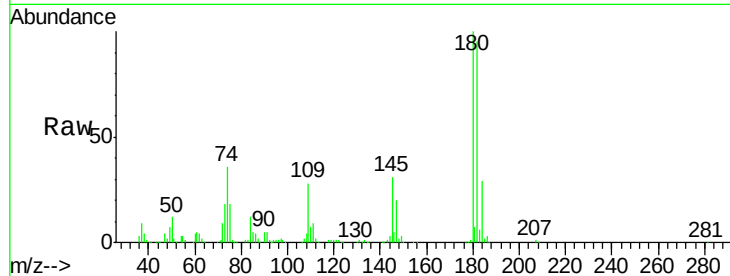
#93
 1,2,4-Trichlorobenzene
 Concen: 50.142 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:	180	Resp:	339058
Ion Ratio	Lower	Upper	
180	100		
182	94.2	47.8	143.3
145	30.4	15.4	46.4

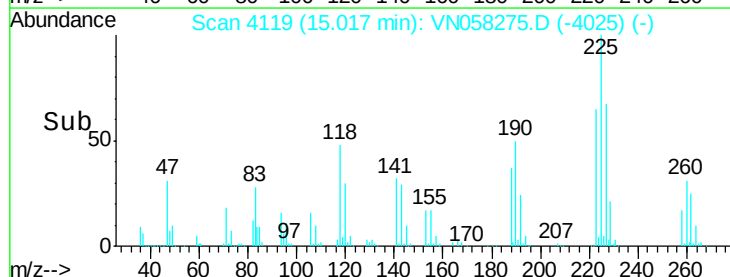
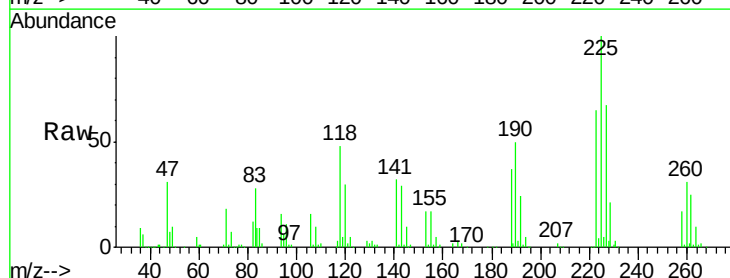
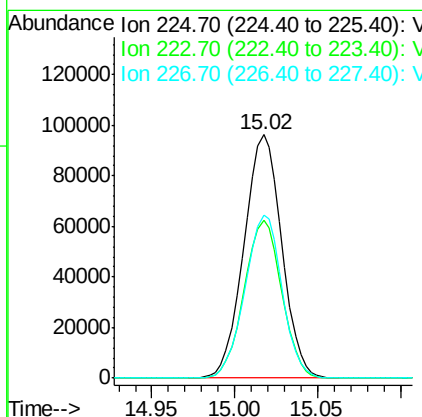
Manual Integrations
 APPROVED

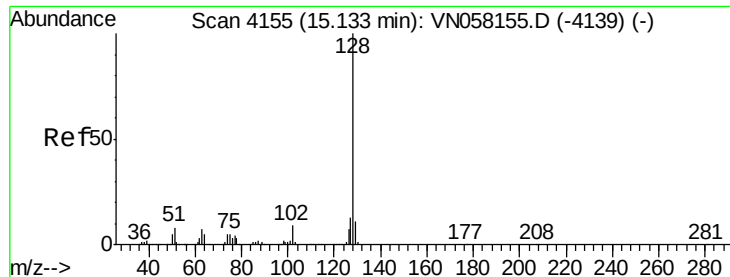
MMDadoda
 9/25/2019 12:47:31 AM



#94
 Hexachlorobutadiene
 Concen: 46.557 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion:	225	Resp:	152163
Ion Ratio	Lower	Upper	
225	100		
223	64.5	32.6	97.7
227	65.9	33.0	99.0





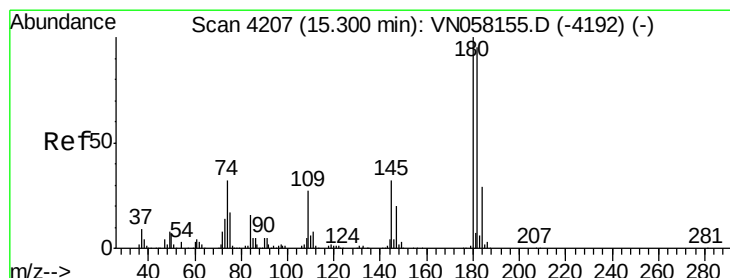
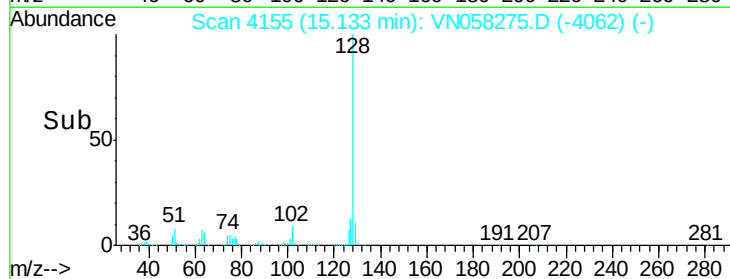
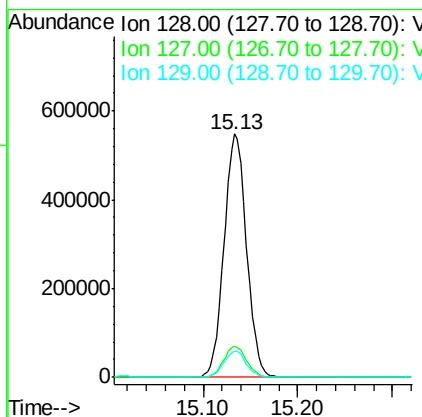
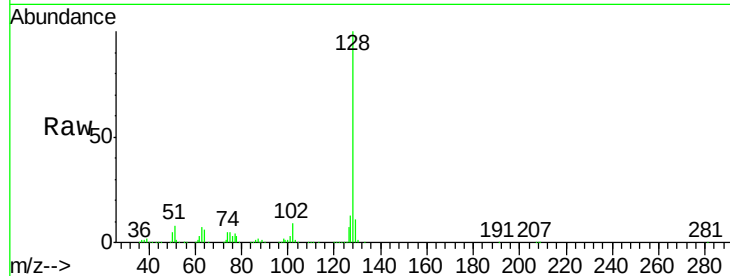
#95
Naphthalene
Concen: 51.634 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	12.9	10.2	15.2	
129	10.7	8.6	12.8	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 49.428 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.3	47.4	142.2	
145	32.2	16.1	48.2	

