

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032519\
 Data File : VF062127.D
 Acq On : 25 Mar 2019 12:48
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 3:59:13 PM

Quant Time: Mar 26 04:50:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	264583	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.59	114	423526	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.77	117	346804	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.55	152	178672	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	100316	50.97	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	101.94%	
35) Dibromofluoromethane	4.11	113	152603	53.26	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	106.52%	
50) Toluene-d8	7.55	98	442206	51.71	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	103.42%	
62) 4-Bromofluorobenzene	11.41	95	166436	50.41	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	100.82%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	180492	53.250	ug/l	97
3) Chloromethane	1.09	50	189003	53.291	ug/l	99
4) Vinyl Chloride	1.13	62	180240	54.942	ug/l	99
5) Bromomethane	1.32	94	124286	52.704	ug/l	98
6) Chloroethane	1.39	64	89564	54.234	ug/l	92
7) Trichlorofluoromethane	1.48	101	223201	56.335	ug/l	98
8) Diethyl Ether	1.62	74	43997	48.613	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.82	101	143230	52.990	ug/l	93
10) Methyl Iodide	1.90	142	268583m	52.289	ug/l	
11) Tert butyl alcohol	2.55	59	28077	259.294	ug/l	100
12) 1,1-Dichloroethene	1.79	96	129446	50.755	ug/l	97
13) Acrolein	2.00	56	36521	280.478	ug/l	91
14) Allyl chloride	2.10	41	192946	70.860	ug/l	100
15) Acrylonitrile	2.93	53	92853	243.854	ug/l	95
16) Acetone	2.23	43	120940	291.988	ug/l	99
17) Carbon Disulfide	1.82	76	412999	53.105	ug/l	97
18) Methyl Acetate	2.34	43	48126	48.710	ug/l	92
19) Methyl tert-butyl Ether	2.42	73	215947	53.574	ug/l	98
20) Methylene Chloride	2.18	84	127642m	51.341	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	129252	52.673	ug/l	91
22) Diisopropyl ether	2.80	45	372500	52.178	ug/l	98
23) Vinyl Acetate	3.18	43	799639	273.574	ug/l	100
24) 1,1-Dichloroethane	2.87	63	224044	52.333	ug/l	99
25) 2-Butanone	4.33	43	226486	261.929	ug/l	95
26) 2,2-Dichloropropane	3.60	77	95826	55.205	ug/l	97
27) cis-1,2-Dichloroethene	3.47	96	169994	52.279	ug/l	96
28) Bromochloromethane	3.71	49	88107	50.370	ug/l	100
29) Tetrahydrofuran	4.07	42	94613	251.662	ug/l	96
30) Chloroform	3.85	83	235383	52.025	ug/l	98
31) Cyclohexane	3.68	56	231121	51.690	ug/l	97
32) 1,1,1-Trichloroethane	4.09	97	174084	63.252	ug/l	99
36) 1,1-Dichloropropene	4.28	75	207851	51.524	ug/l	95
37) Ethyl Acetate	4.10	43	82856	46.997	ug/l #	68
38) Carbon Tetrachloride	3.99	117	151414	55.070	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	246505	52.650	ug/l	96
40) Benzene	4.63	78	541420	50.064	ug/l	98
41) Methacrylonitrile	4.74	41	42646	45.717	ug/l	95
42) 1,2-Dichloroethane	4.94	62	128002	50.052	ug/l	97
43) Isopropyl Acetate	6.95	43	103791	48.612	ug/l #	97
44) Trichloroethene	5.50	130	166021	50.212	ug/l	94
45) 1,2-Dichloropropane	6.22	63	116840	45.298	ug/l	99
46) Dibromomethane	6.08	93	77813	49.339	ug/l	97
47) Bromodichloromethane	6.38	83	180150	51.570	ug/l	99
48) Methyl methacrylate	6.71	41	58807	48.374	ug/l	98
49) 1,4-Dioxane	6.70	88	9941	931.936	ug/l	93
51) 4-Methyl-2-Pentanone	8.25	43	348381	243.786	ug/l	98
52) Toluene	7.62	92	330840	52.817	ug/l	99
53) t-1,3-Dichloropropene	8.27	75	143124	52.191	ug/l	94
54) cis-1,3-Dichloropropene	7.29	75	197540	50.344	ug/l	98
55) 1,1,2-Trichloroethane	8.48	97	87602	49.236	ug/l	96
56) Ethyl methacrylate	8.60	69	108560	51.161	ug/l	94
57) 1,3-Dichloropropane	8.84	76	153597	52.014	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.28	63	79390	246.563	ug/l	100
59) 2-Hexanone	9.48	43	259832	248.083	ug/l	96
60) Dibromochloromethane	8.70	129	130177	52.630	ug/l	96
61) 1,2-Dibromoethane	8.98	107	95073	50.085	ug/l	100
64) Tetrachloroethene	8.14	164	137931	51.479	ug/l	94
65) Chlorobenzene	9.79	112	349173	53.810	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.93	131	139363	53.467	ug/l	96
67) Ethyl Benzene	9.90	91	609064	53.972	ug/l	98
68) m/p-Xylenes	10.12	106	448030	106.223	ug/l	97
69) o-Xylene	10.71	106	232028	52.524	ug/l	99
70) Styrene	10.78	104	349360	52.196	ug/l	98
71) Bromoform	10.76	173	67714	50.791	ug/l	96
73) Isopropylbenzene	11.12	105	701218	55.774	ug/l	99
74) N-amyl acetate	11.37	43	157874	52.700	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	113415	52.538	ug/l	99
76) 1,2,3-Trichloropropane	11.79	75	76069	50.071	ug/l	100
77) Bromobenzene	11.48	156	164128	53.433	ug/l	84
78) n-propylbenzene	11.59	91	762202	52.209	ug/l	96
79) 2-Chlorotoluene	11.71	91	440150	54.243	ug/l	97
80) 1,3,5-Trimethylbenzene	11.82	105	552493	53.425	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	32004m	51.699	ug/l	
82) 4-Chlorotoluene	11.89	91	441257	53.036	ug/l	99
83) tert-Butylbenzene	12.13	119	583292	53.881	ug/l	100
84) 1,2,4-Trimethylbenzene	12.19	105	541328	53.397	ug/l	96
85) sec-Butylbenzene	12.30	105	732205	52.283	ug/l	96
86) p-Isopropyltoluene	12.45	119	657576	54.196	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	303163	53.123	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	288026	51.723	ug/l	94
89) n-Butylbenzene	12.84	91	624688	53.965	ug/l	98
90) Hexachloroethane	12.91	117	154383	53.437	ug/l	79
91) 1,2-Dichlorobenzene	12.93	146	277269	51.743	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.63	75	17709	54.141	ug/l	90

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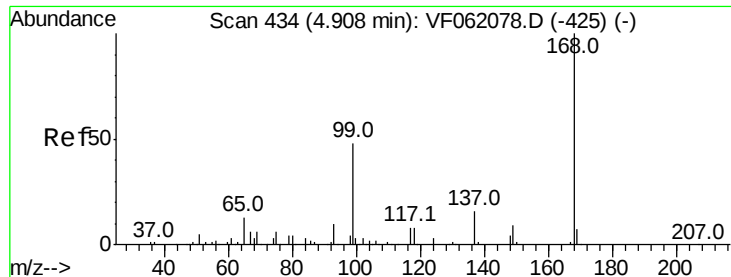
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	198285	53.093	ug/l	96
94) Hexachlorobutadiene	14.19	225	131641	53.013	ug/l	97
95) Naphthalene	14.45	128	337951	51.637	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	191044	54.649	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.05 min

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Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 264583

Ion Ratio Lower Upper

168 100

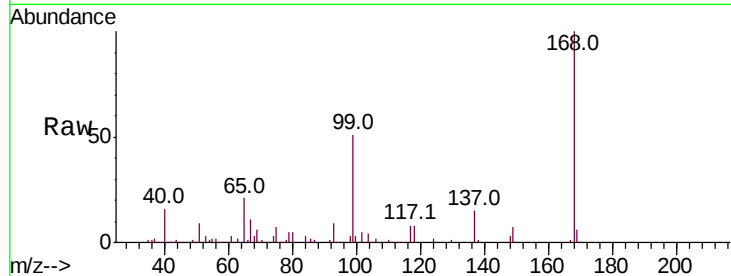
99 50.8 38.2 57.4

Manual Integrations

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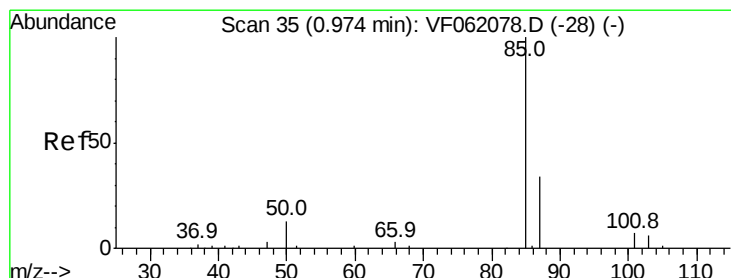
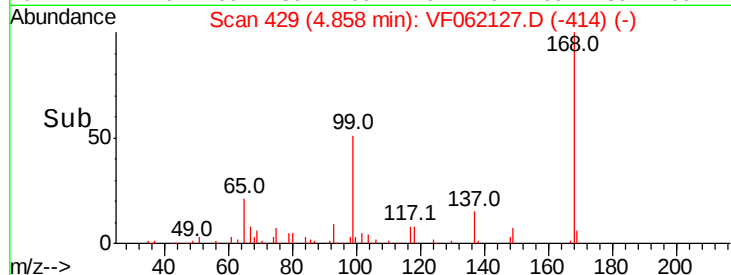
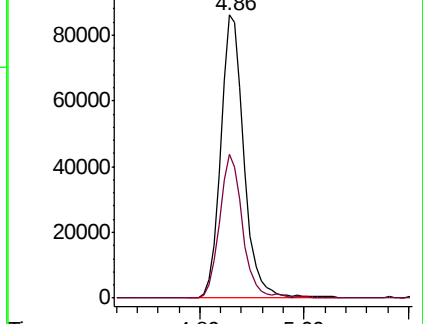
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Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 53.250 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF062127.D

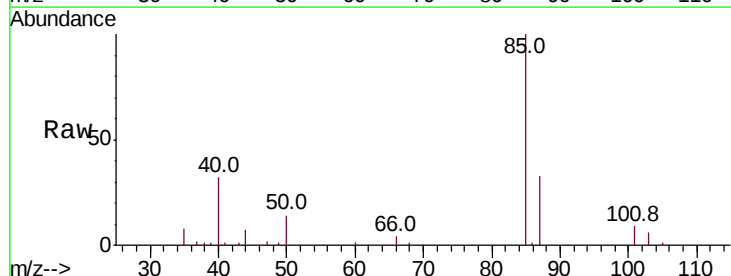
Acq: 25 Mar 2019 12:48

Tgt Ion: 85 Resp: 180492

Ion Ratio Lower Upper

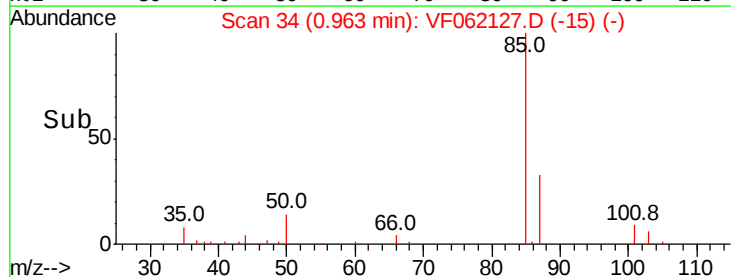
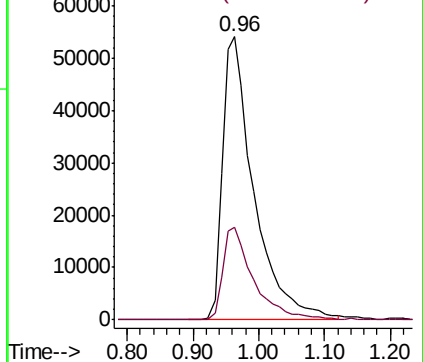
85 100

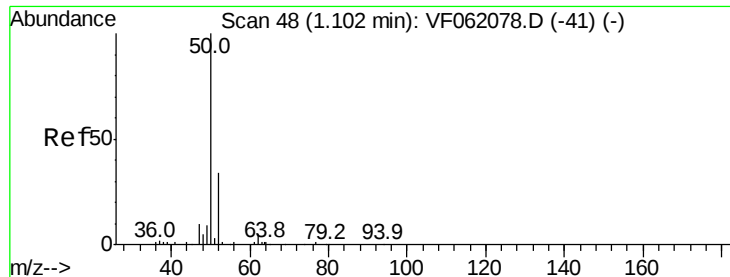
87 32.5 17.0 51.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 53.291 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 189003

Ion Ratio Lower Upper

50 100

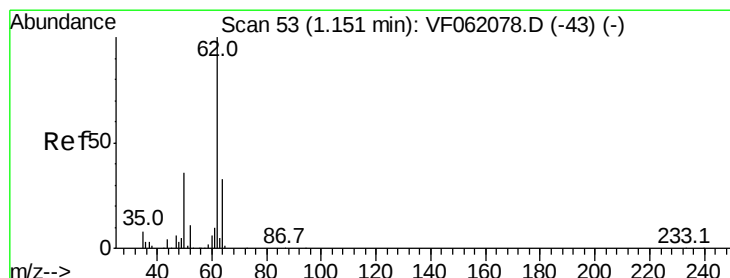
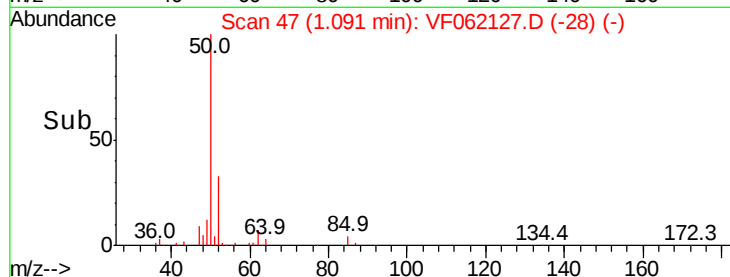
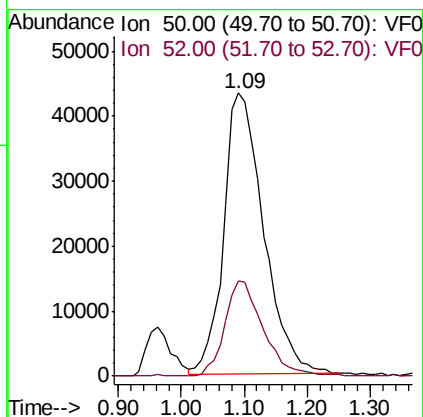
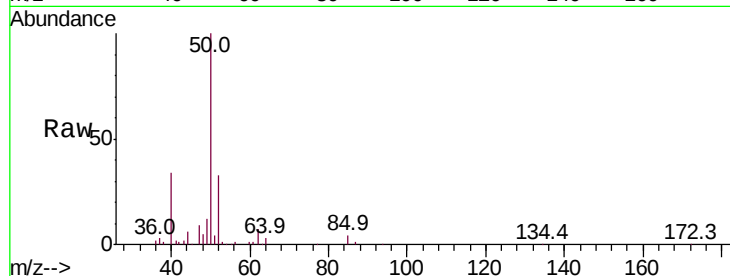
52 33.4 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 54.942 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.02 min

Lab File: VF062127.D

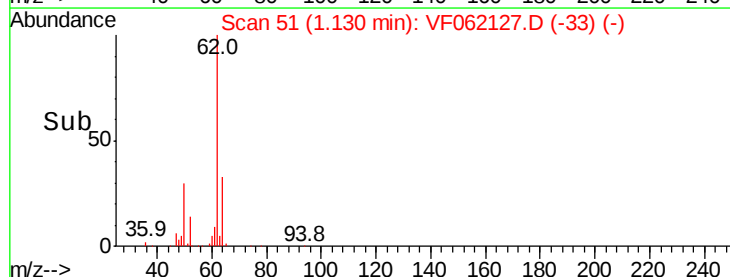
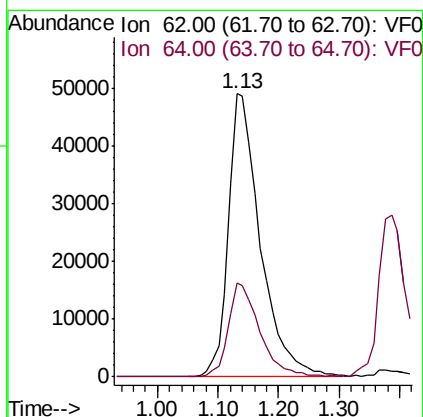
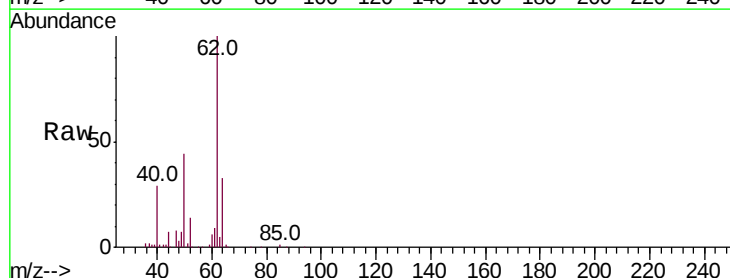
Acq: 25 Mar 2019 12:48

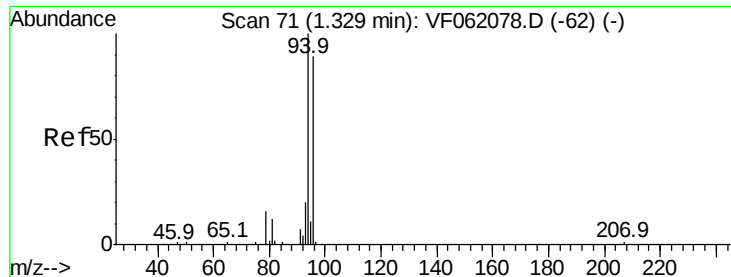
Tgt Ion: 62 Resp: 180240

Ion Ratio Lower Upper

62 100

64 33.3 26.2 39.2





#5

Bromomethane

Concen: 52.704 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 124286

Ion Ratio Lower Upper

94 100

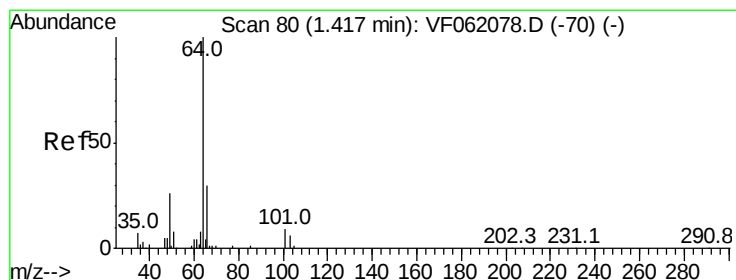
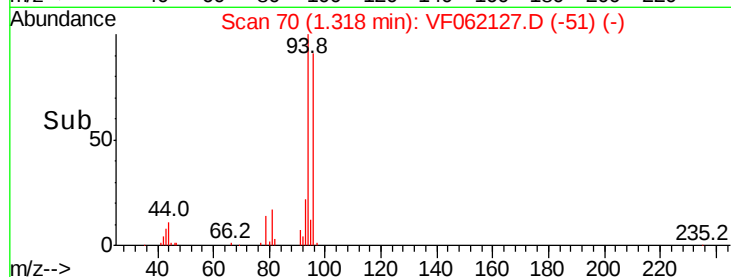
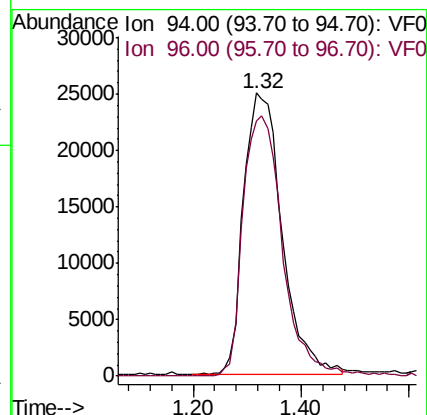
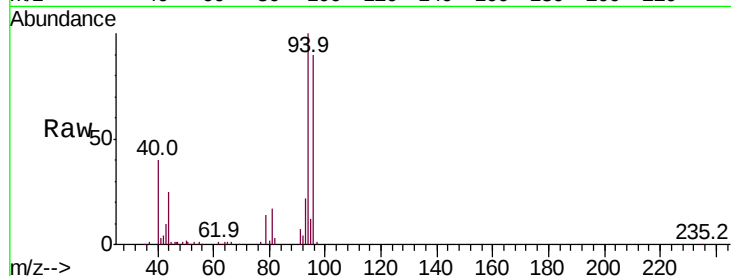
96 90.3 70.9 106.3

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#6

Chloroethane

Concen: 54.234 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.03 min

Lab File: VF062127.D

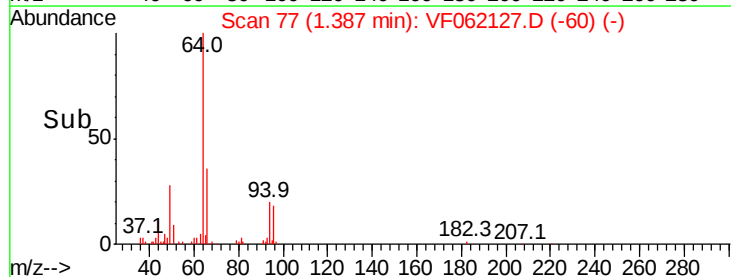
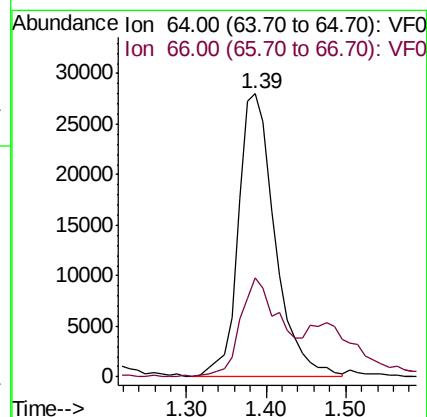
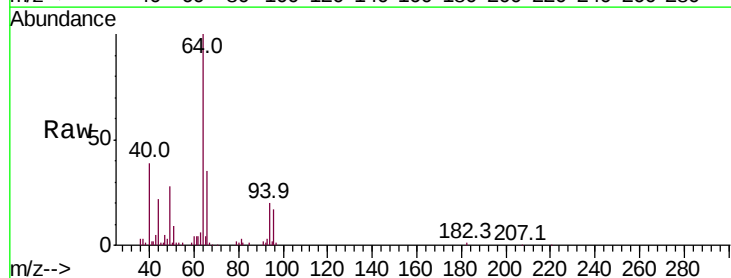
Acq: 25 Mar 2019 12:48

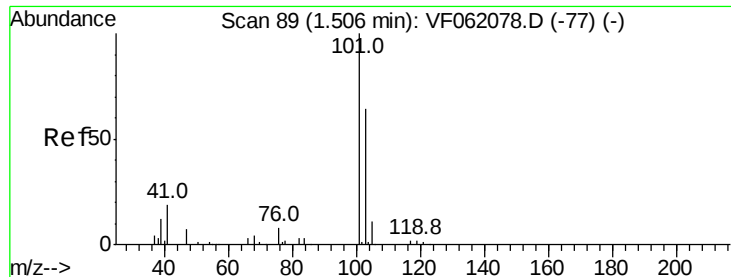
Tgt Ion: 64 Resp: 89564

Ion Ratio Lower Upper

64 100

66 35.0 24.5 36.7





#7

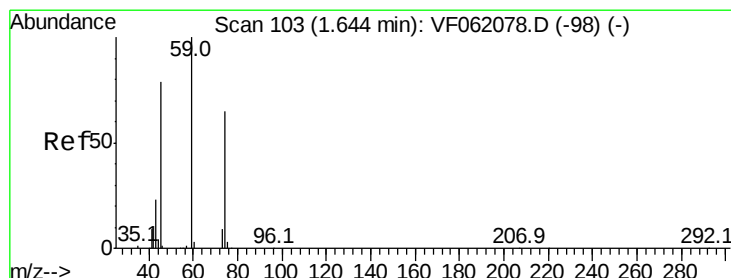
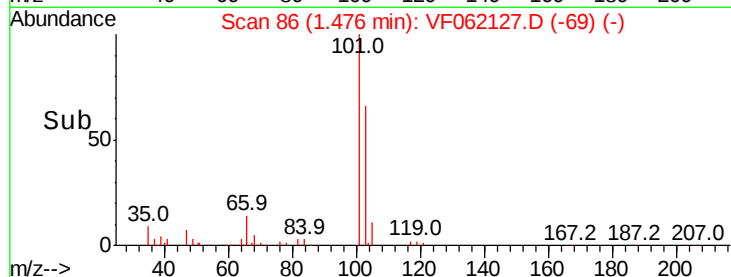
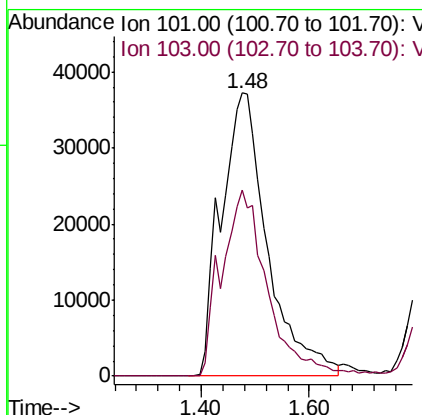
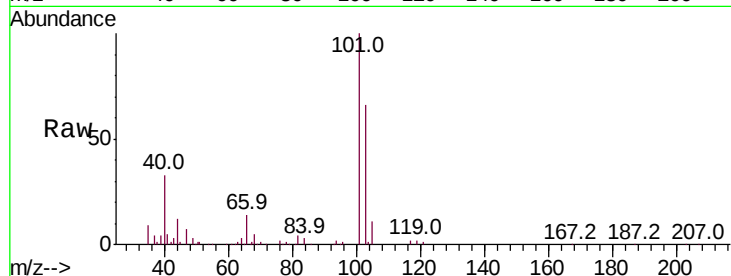
Trichlorofluoromethane
 Concen: 56.335 ug/l
 RT: 1.48 min Scan# 86
 Delta R.T. -0.03 min
 Lab File: VF062127.D
 Acq: 25 Mar 2019 12:48

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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.5	77.3

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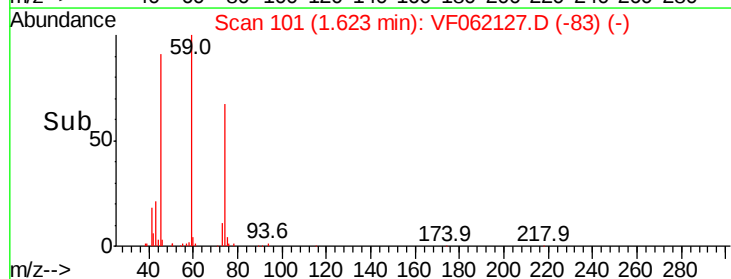
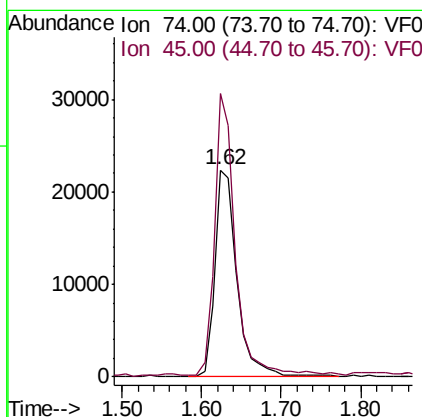
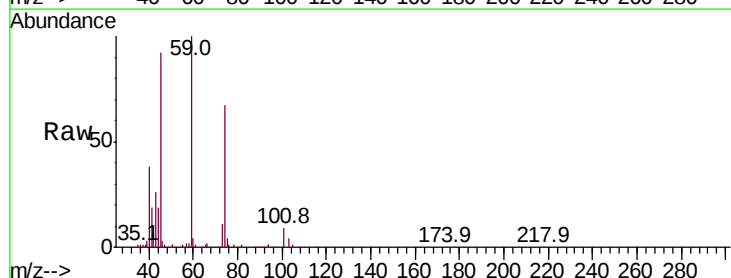
MMDadoda
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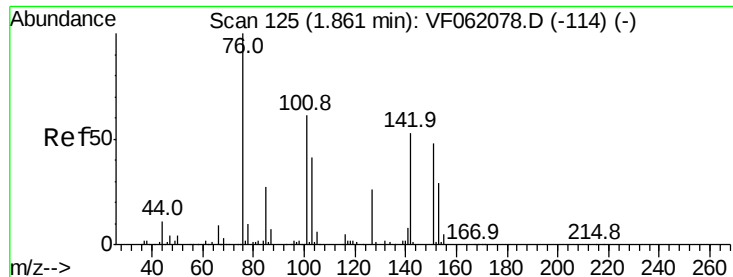


#8

Diethyl Ether
 Concen: 48.613 ug/l
 RT: 1.62 min Scan# 101
 Delta R.T. -0.02 min
 Lab File: VF062127.D
 Acq: 25 Mar 2019 12:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	136.7	61.4	184.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.990 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.04 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

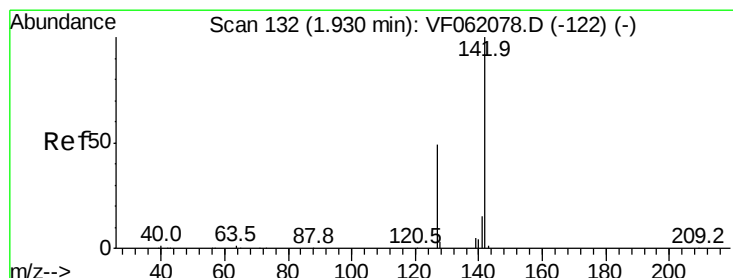
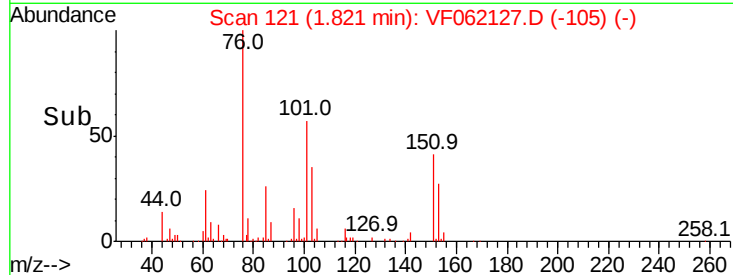
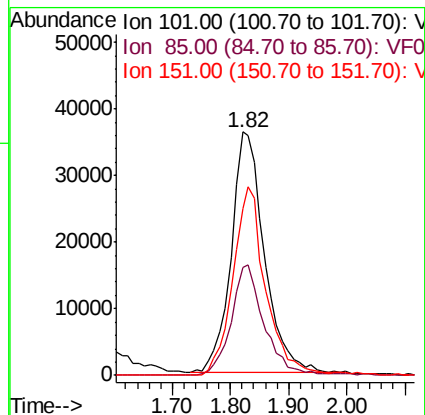
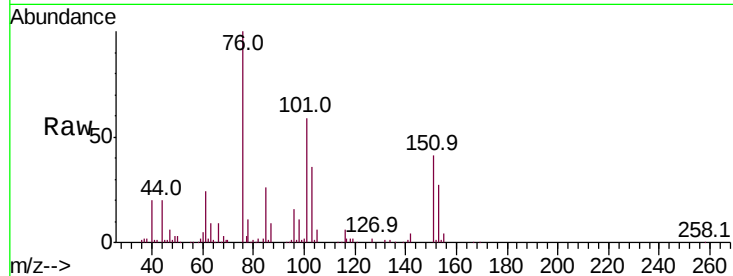
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	143230
Ion Ratio	Lower	Upper	
101	100		
85	44.2	34.6	52.0
151	68.6	61.7	92.5

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#10

Methyl Iodide

Concen: 52.289 ug/l m

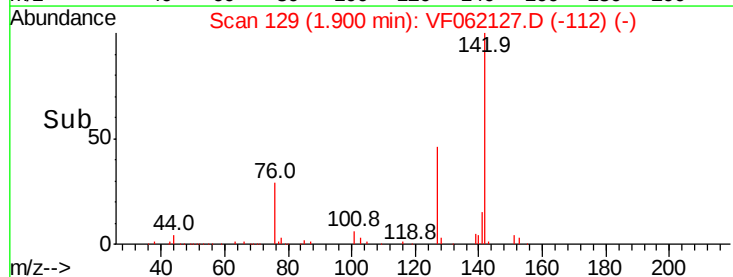
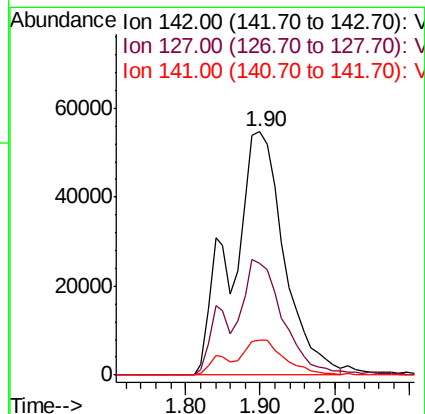
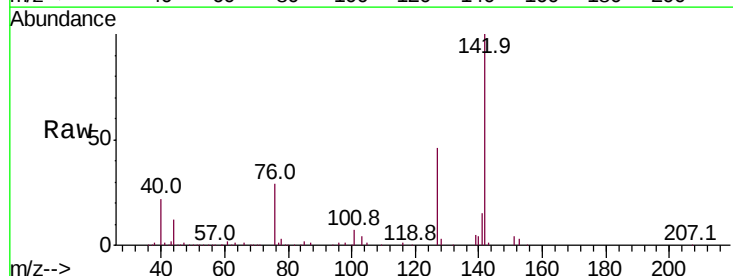
RT: 1.90 min Scan# 129

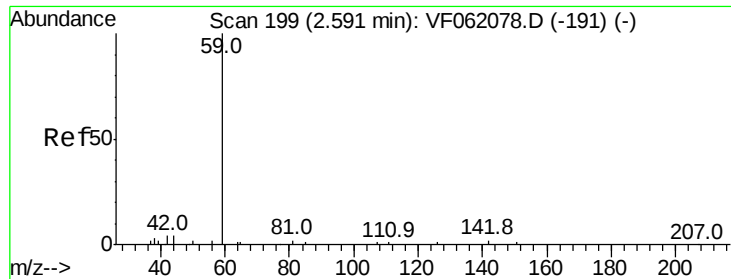
Delta R.T. -0.03 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Tgt Ion:	142	Resp:	268583
Ion Ratio	Lower	Upper	
142	100		
127	45.9	39.1	58.7
141	14.6	12.2	18.4





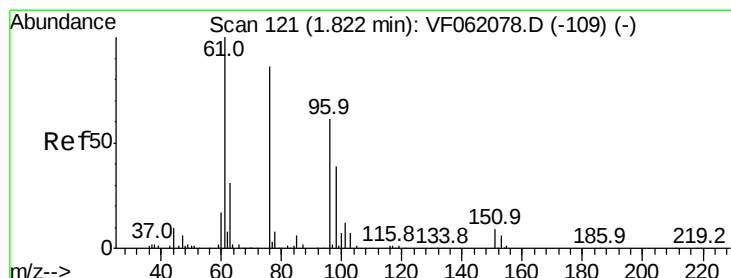
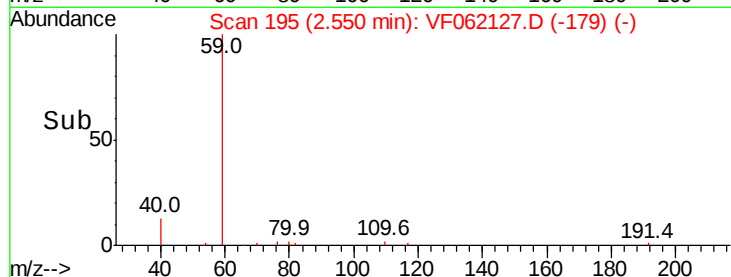
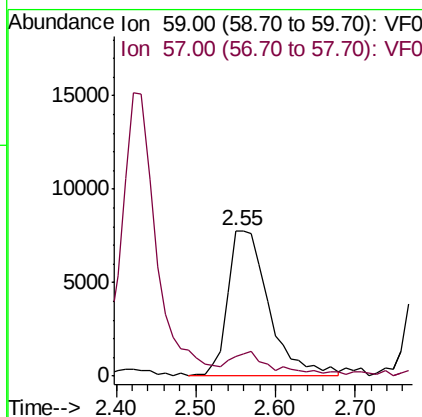
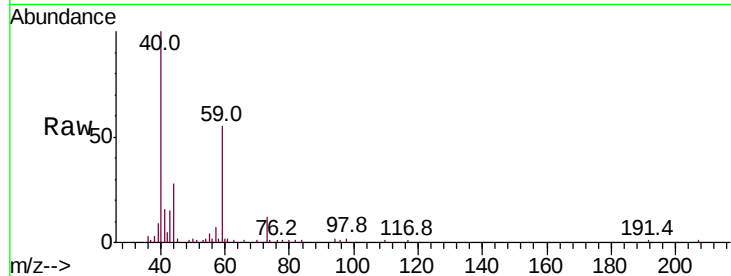
#11
Tert butyl alcohol
Concen: 259.294 ug/l
RT: 2.55 min Scan# 195
Delta R.T. -0.04 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 28077
Ion Ratio Lower Upper
59 100
57 13.6 11.0 16.4

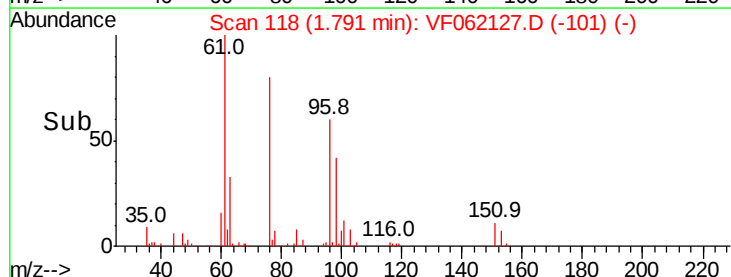
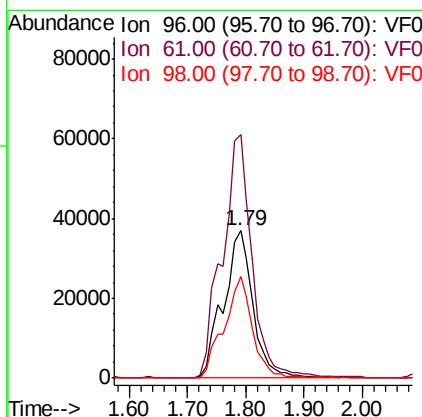
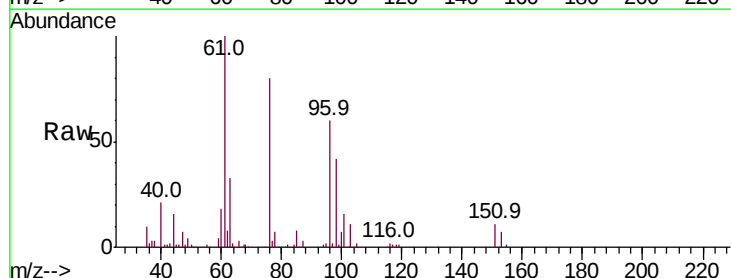
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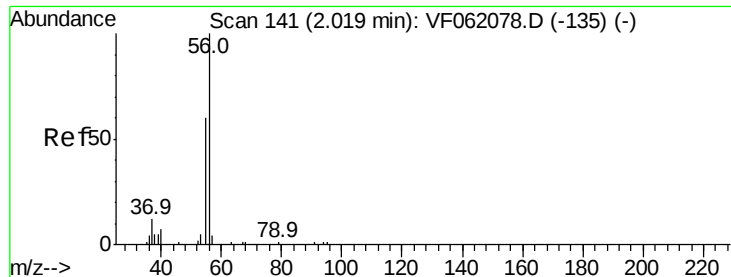
MMDadoda
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#12
1,1-Dichloroethene
Concen: 50.755 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.03 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Tgt Ion: 96 Resp: 129446
Ion Ratio Lower Upper
96 100
61 165.4 131.0 196.6
98 69.3 51.5 77.3





#13

Acrolein

Concen: 280.478 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.02 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 36521

Ion Ratio Lower Upper

56 100

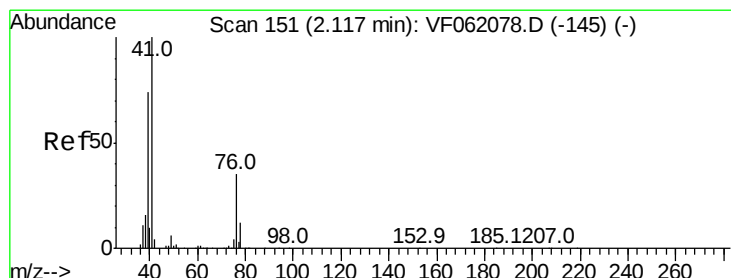
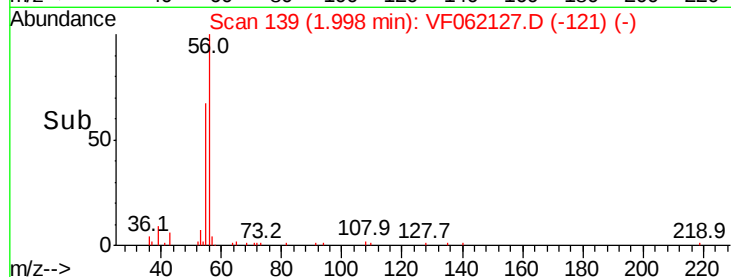
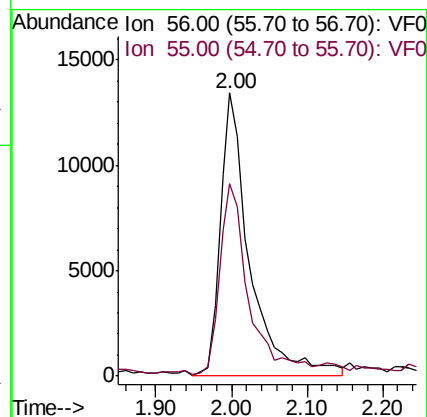
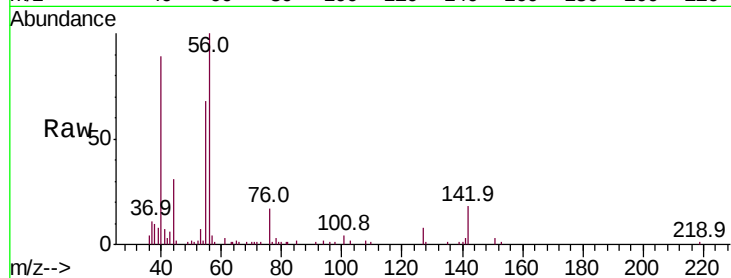
55 67.9 49.0 73.4

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#14

Allyl chloride

Concen: 70.860 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.02 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

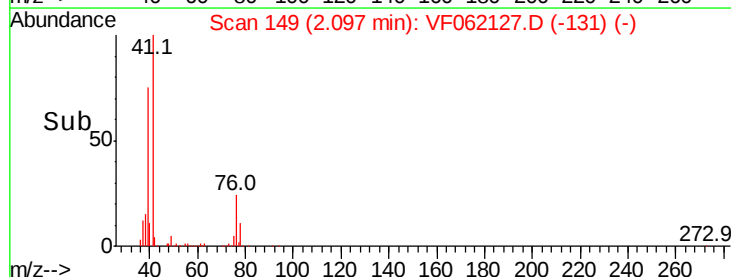
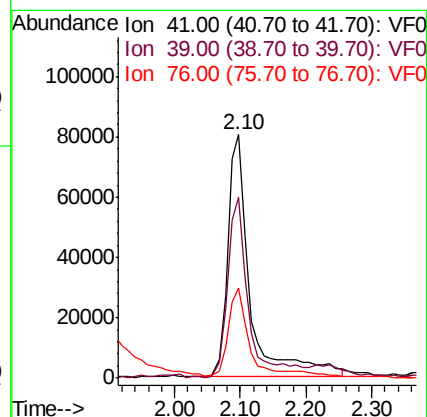
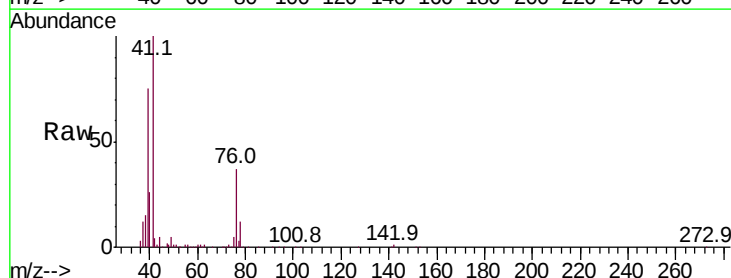
Tgt Ion: 41 Resp: 192946

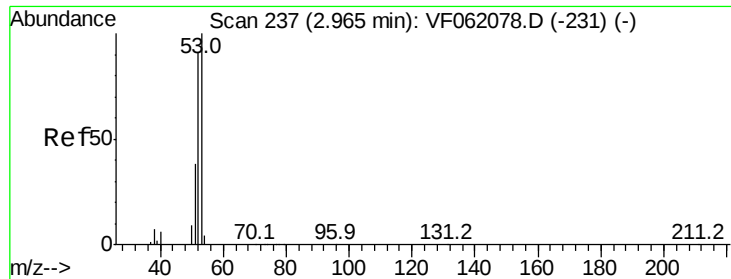
Ion Ratio Lower Upper

41 100

39 74.5 59.8 89.8

76 37.2 30.0 45.0





#15

Acrylonitrile

Concen: 243.854 ug/l

RT: 2.93 min Scan# 234

Delta R.T. -0.03 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

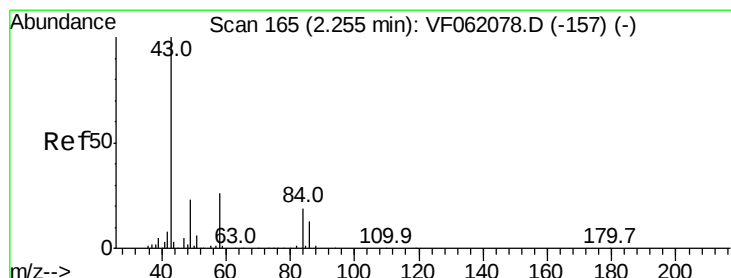
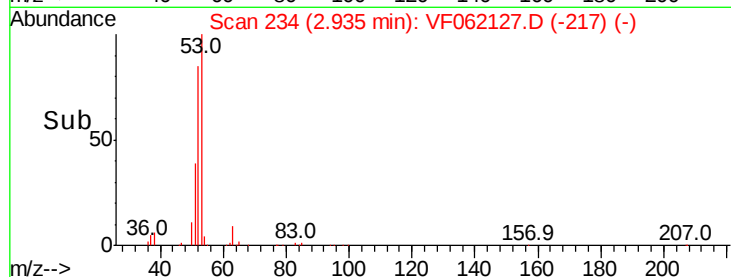
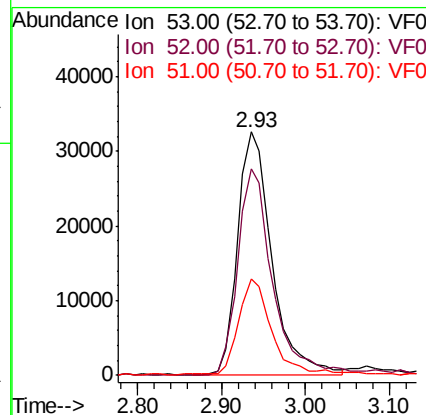
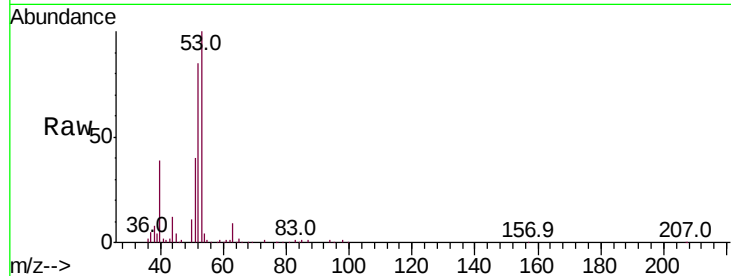
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	92853
Ion	Ratio	Lower	Upper
53	100		
52	84.7	72.3	108.5
51	39.6	30.4	45.6

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#16

Acetone

Concen: 291.988 ug/l

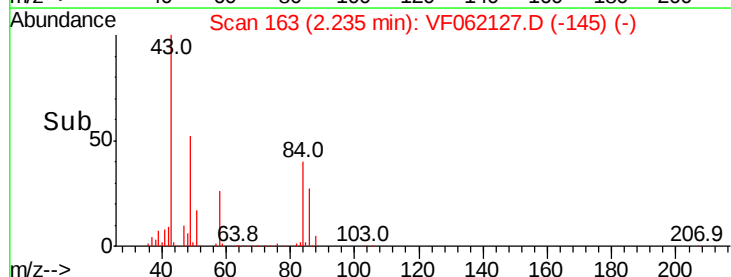
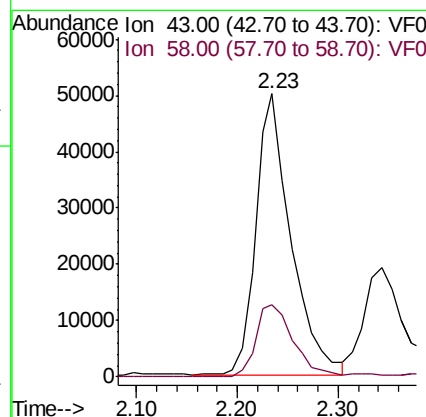
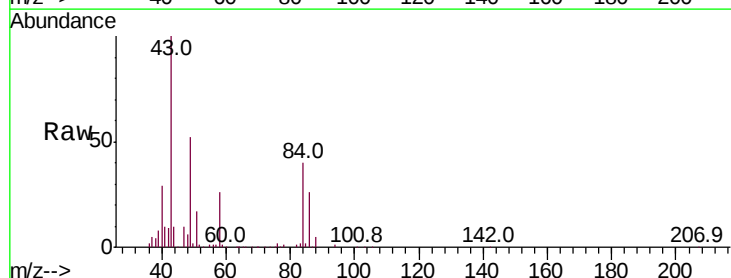
RT: 2.23 min Scan# 163

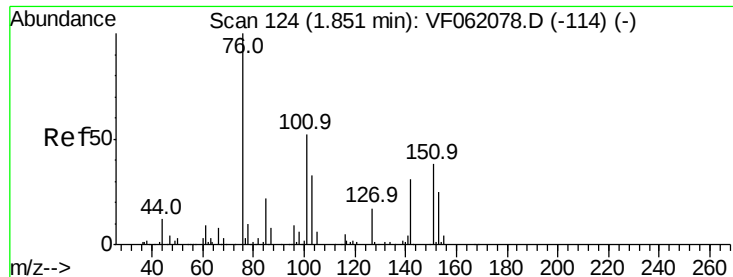
Delta R.T. -0.02 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Tgt Ion:	43	Resp:	120940
Ion	Ratio	Lower	Upper
43	100		
58	25.6	20.8	31.2





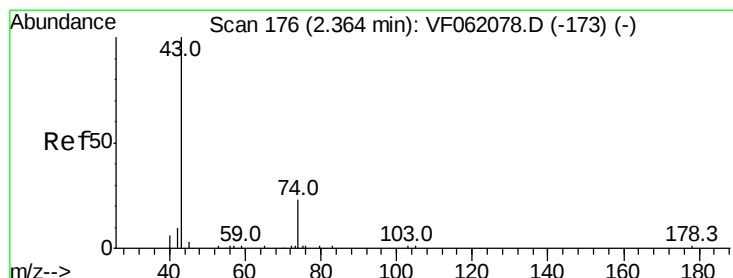
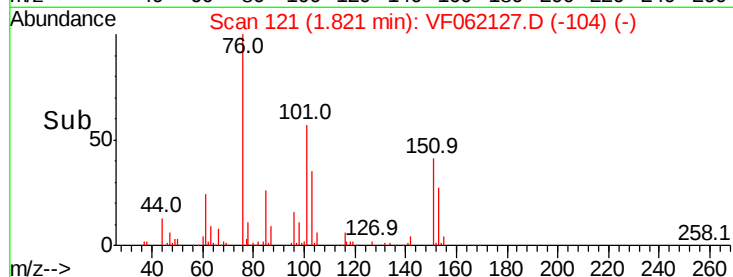
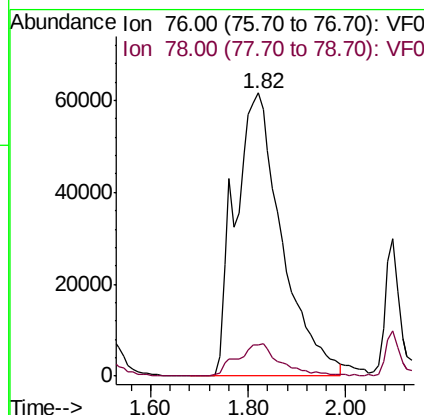
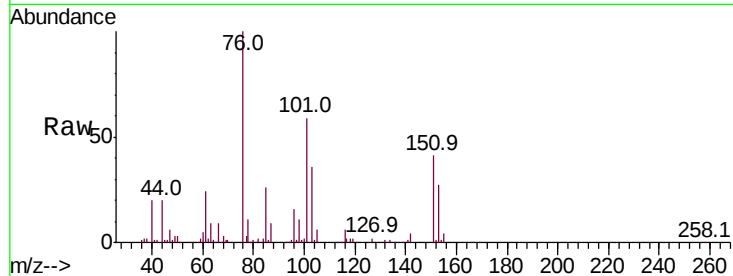
#17
Carbon Disulfide
Concen: 53.105 ug/l
RT: 1.82 min Scan# 121
Delta R.T. -0.03 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 412999
Ion Ratio Lower Upper
76 100
78 10.9 7.9 11.9

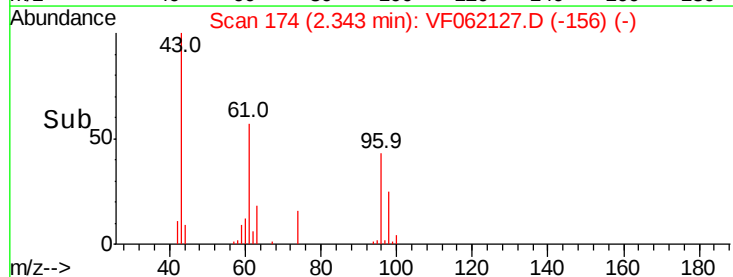
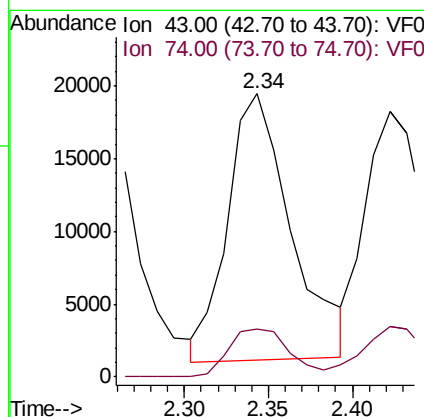
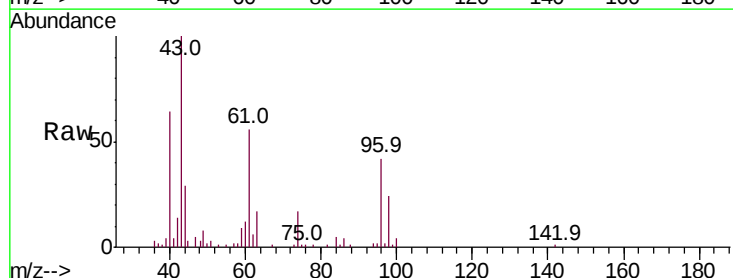
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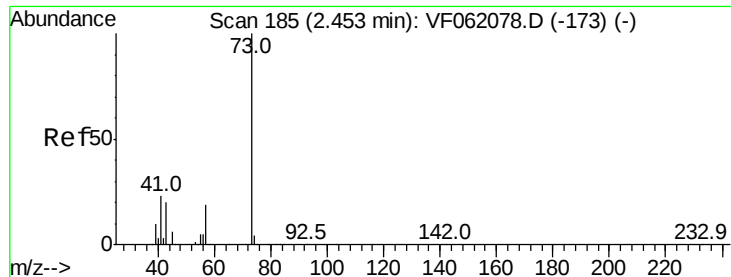
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#18
Methyl Acetate
Concen: 48.710 ug/l
RT: 2.34 min Scan# 174
Delta R.T. -0.02 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Tgt Ion: 43 Resp: 48126
Ion Ratio Lower Upper
43 100
74 16.8 16.3 24.5





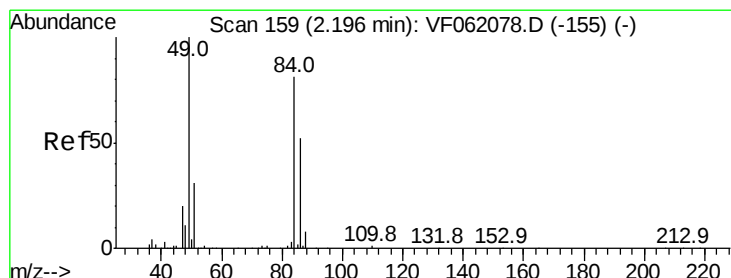
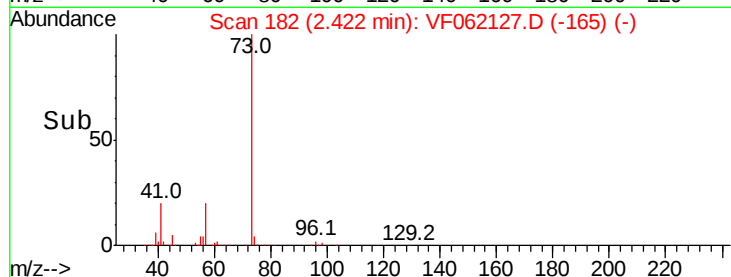
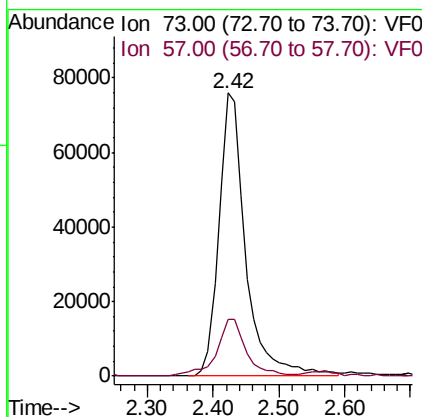
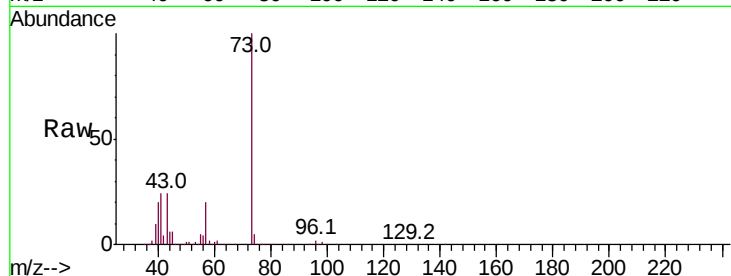
#19
Methyl tert-butyl Ether
Concen: 53.574 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.03 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 215947
Ion Ratio Lower Upper
73 100
57 19.9 15.1 22.7

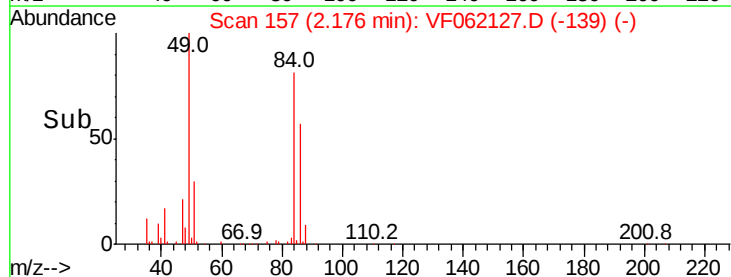
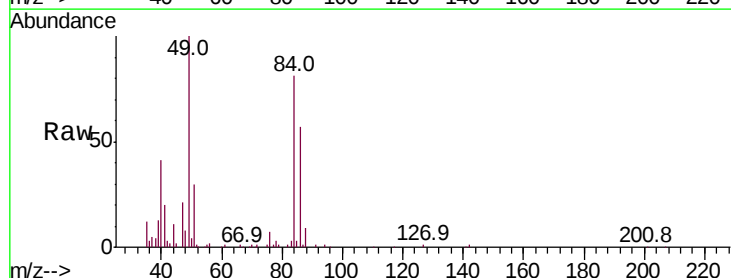
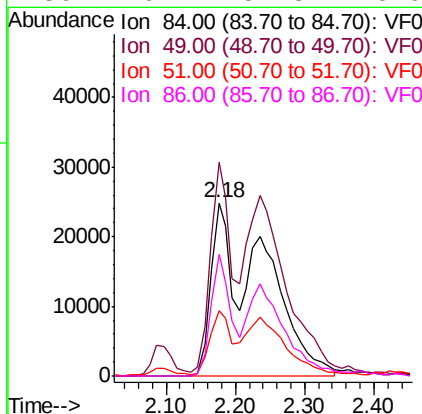
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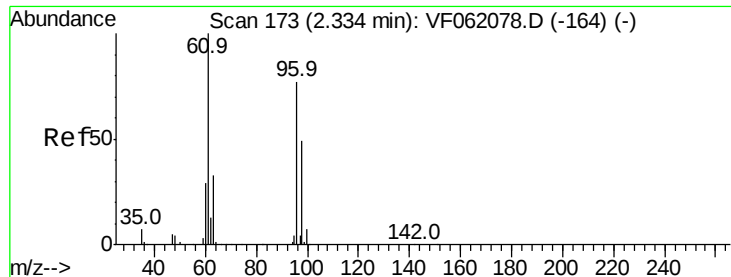
MMDadoda
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#20
Methylene Chloride
Concen: 51.341 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. -0.02 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Tgt Ion: 84 Resp: 127642
Ion Ratio Lower Upper
84 100
49 123.4 100.4 150.6
51 37.6 31.0 46.6
86 70.2 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 52.673 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.03 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 129252

Ion Ratio Lower Upper

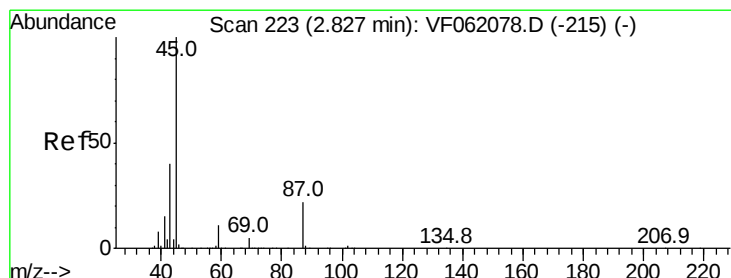
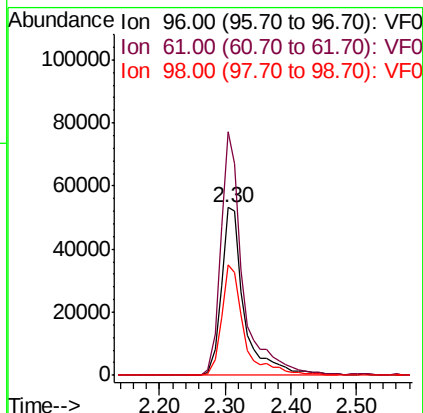
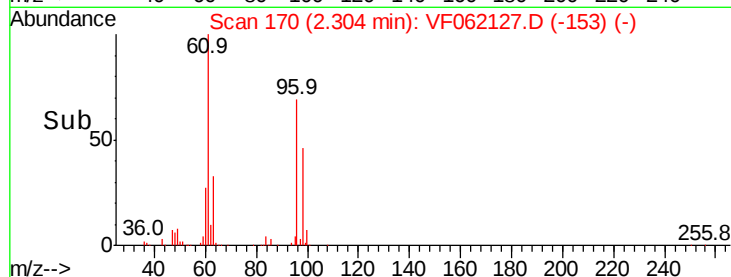
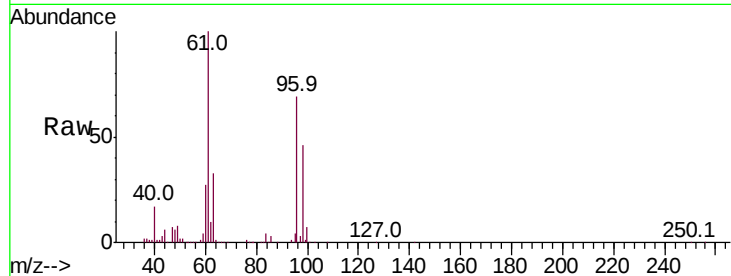
96 100

61 145.1 104.5 156.7

98 66.2 51.2 76.8

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#22

Diisopropyl ether

Concen: 52.178 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.03 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Tgt Ion: 45 Resp: 372500

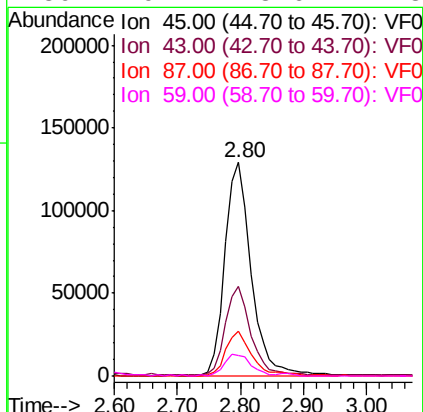
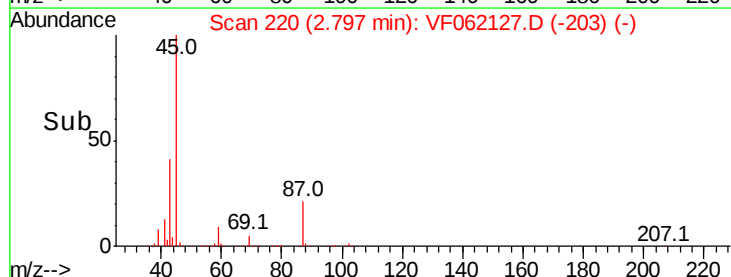
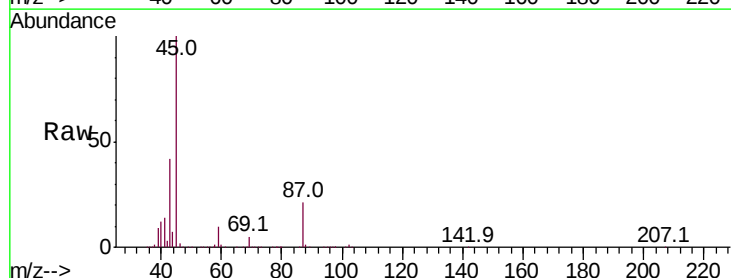
Ion Ratio Lower Upper

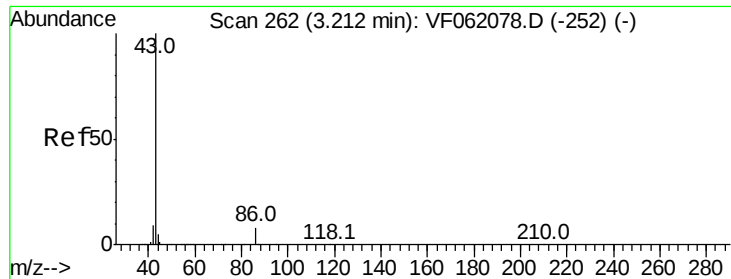
45 100

43 41.8 32.5 48.7

87 20.8 17.4 26.2

59 9.7 8.6 12.8





#23

Vinyl Acetate

Concen: 273.574 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.03 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 799639

Ion Ratio Lower Upper

43 100

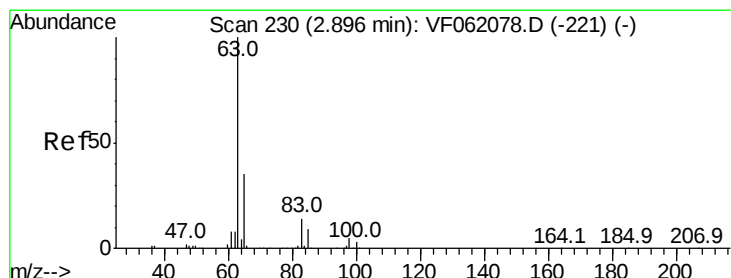
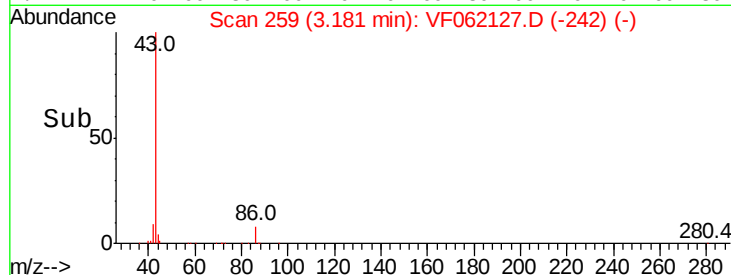
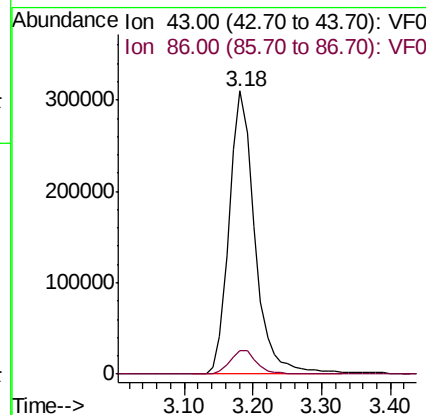
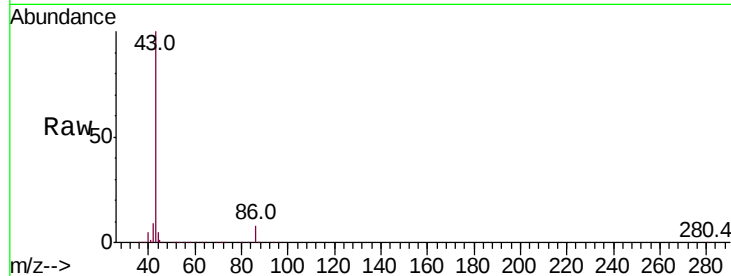
86 8.5 6.8 10.2

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#24

1,1-Dichloroethane

Concen: 52.333 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.03 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

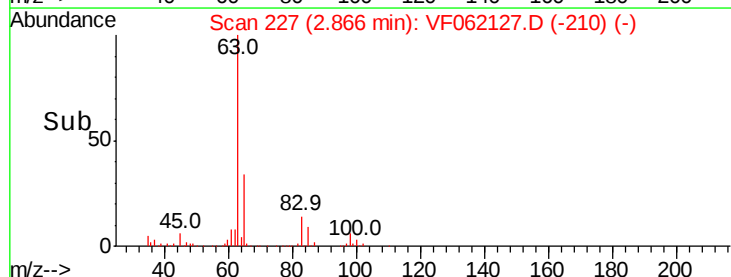
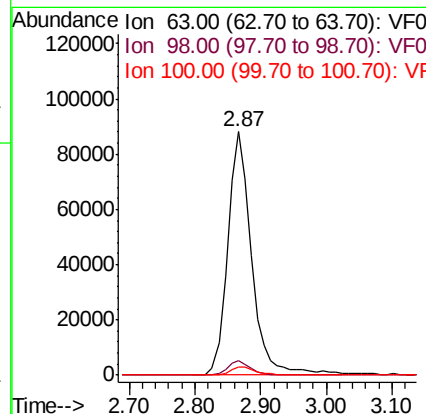
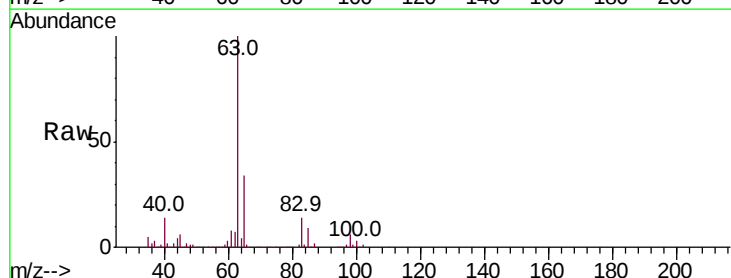
Tgt Ion: 63 Resp: 224044

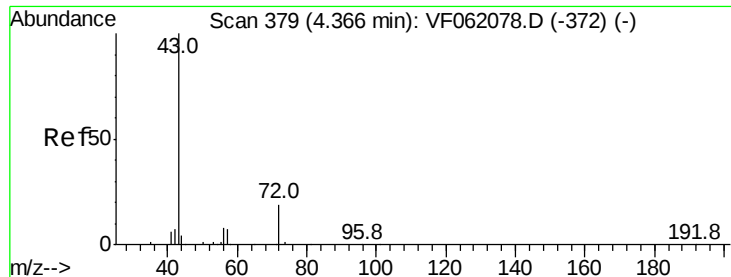
Ion Ratio Lower Upper

63 100

98 5.9 2.7 8.1

100 3.2 1.7 5.1





#25

2-Butanone

Concen: 261.929 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.04 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 226486

Ion Ratio Lower Upper

43 100

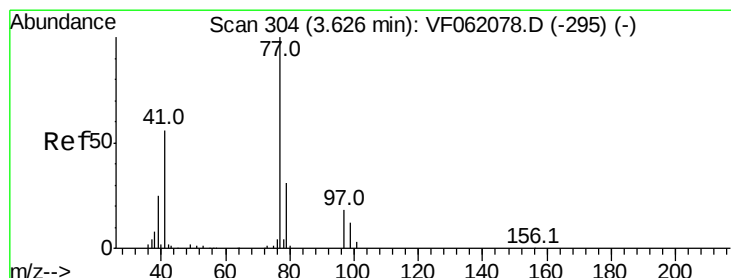
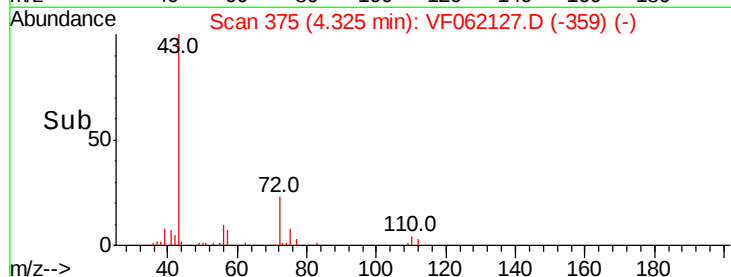
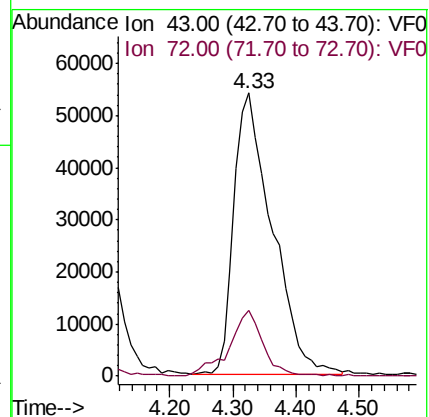
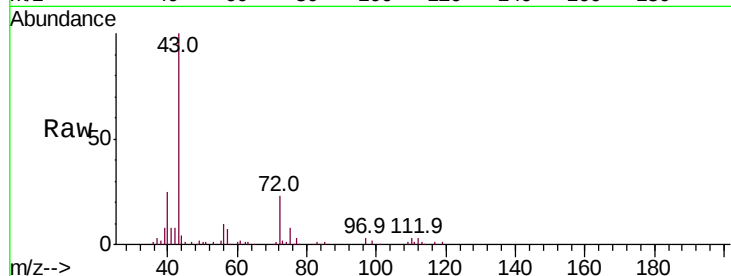
72 23.2 16.7 25.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 55.205 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.03 min

Lab File: VF062127.D

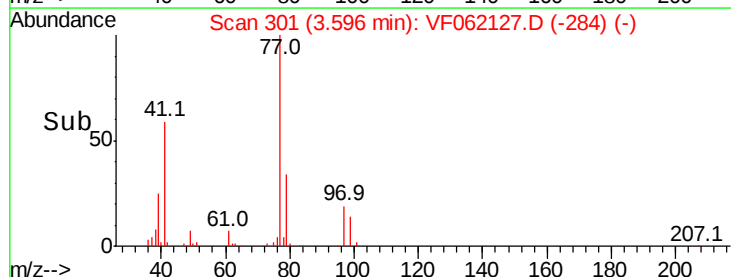
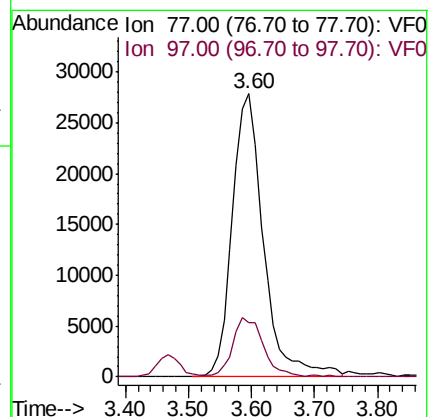
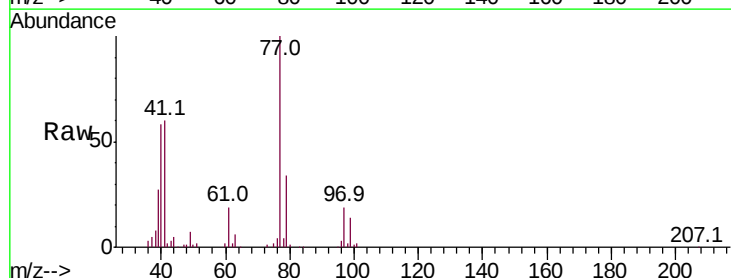
Acq: 25 Mar 2019 12:48

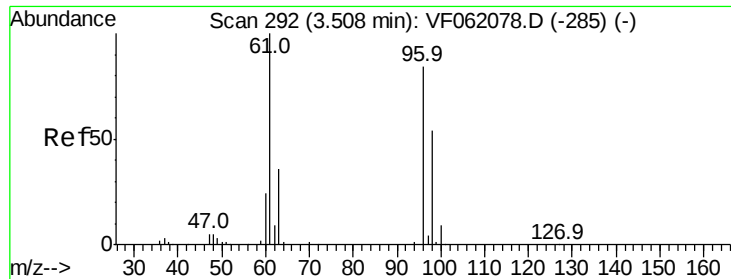
Tgt Ion: 77 Resp: 95826

Ion Ratio Lower Upper

77 100

97 19.2 10.3 30.9





#27

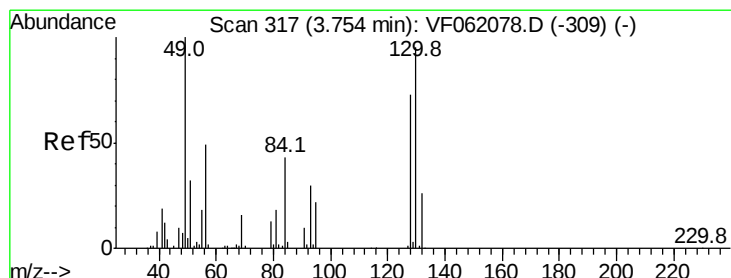
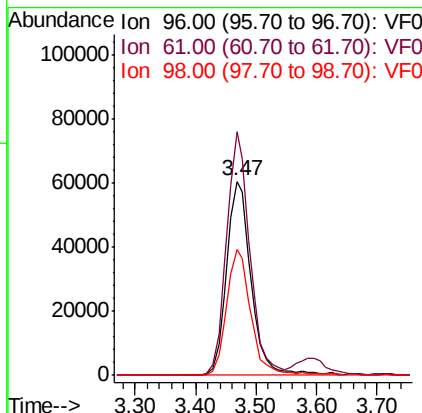
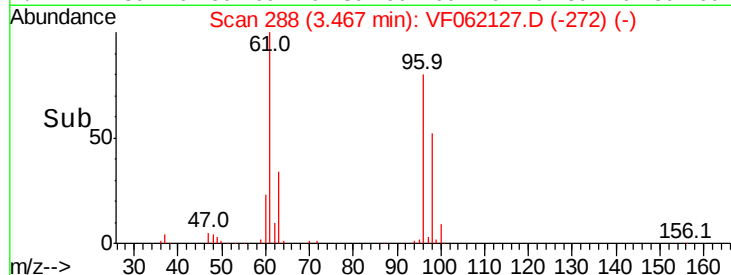
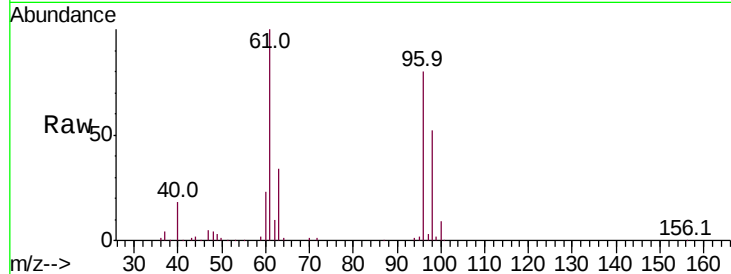
cis-1,2-Dichloroethene
Concen: 52.279 ug/l
RT: 3.47 min Scan# 288
Delta R.T. -0.04 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	169994		
61	125.6	0.0	239.0	
98	64.9	0.0	128.2	

Manual Integrations
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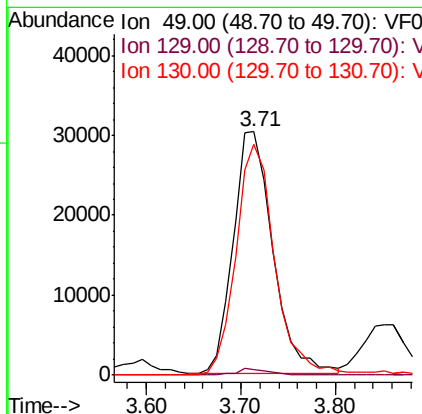
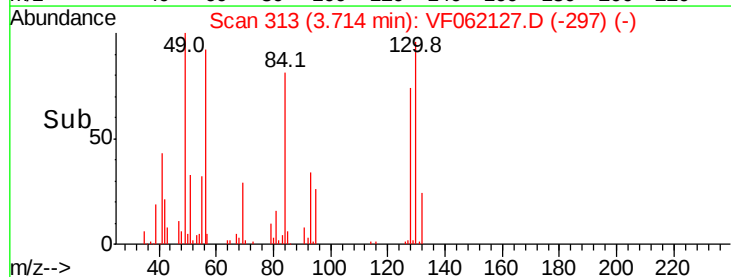
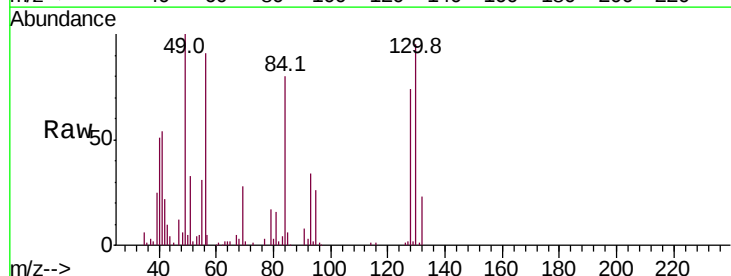
MMDadoda
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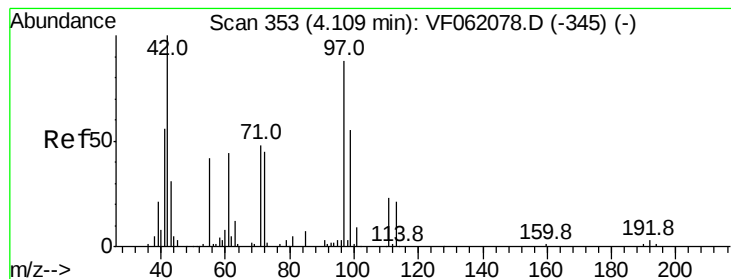


#28

Bromochloromethane
Concen: 50.370 ug/l
RT: 3.71 min Scan# 313
Delta R.T. -0.04 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	88107		
129	2.3	0.0	5.6	
130	94.8	75.5	113.3	





#29

Tetrahydrofuran

Concen: 251.662 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.04 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

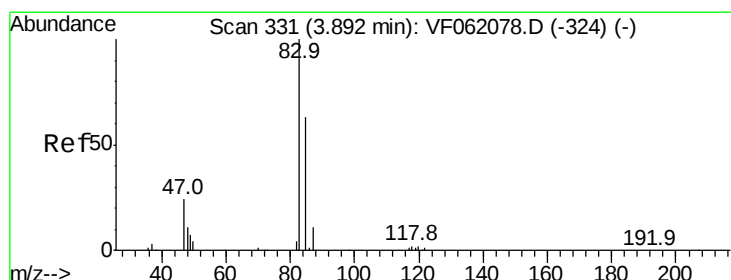
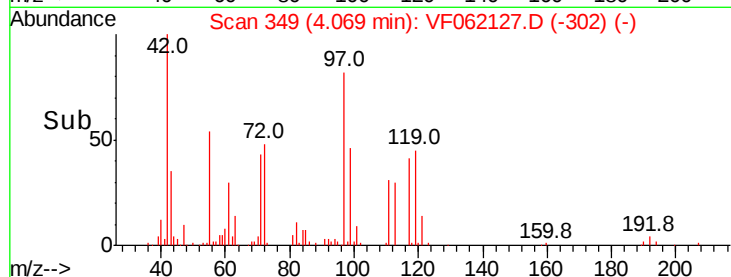
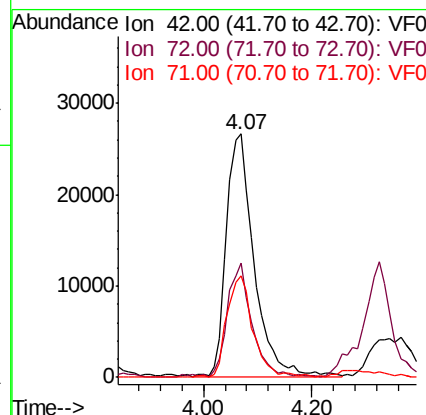
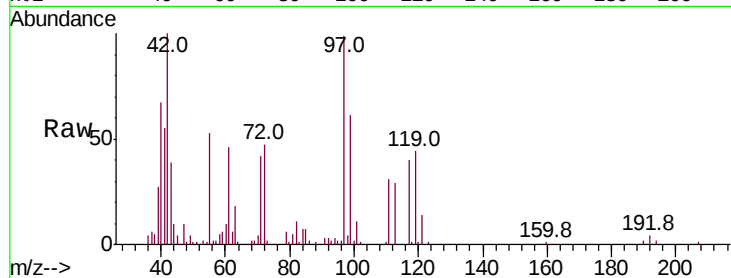
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	94613
Ion	Ratio	Lower	Upper
42	100		
72	41.8	33.3	49.9
71	39.4	35.0	52.4

Manual Integrations
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#30

Chloroform

Concen: 52.025 ug/l

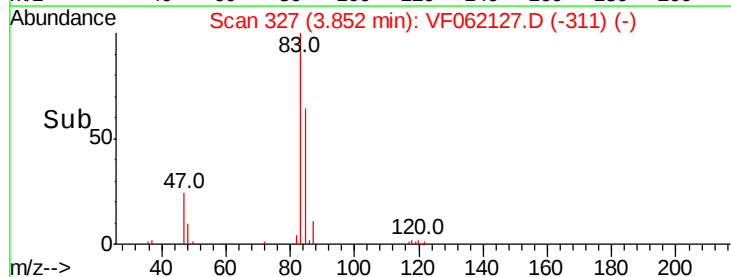
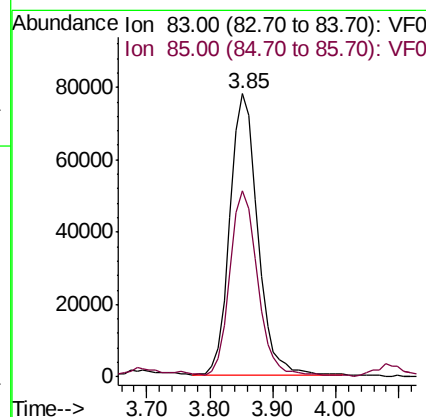
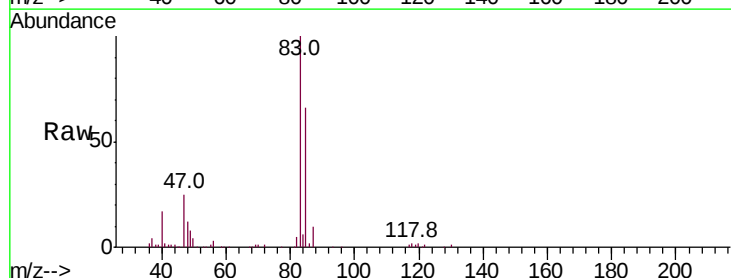
RT: 3.85 min Scan# 327

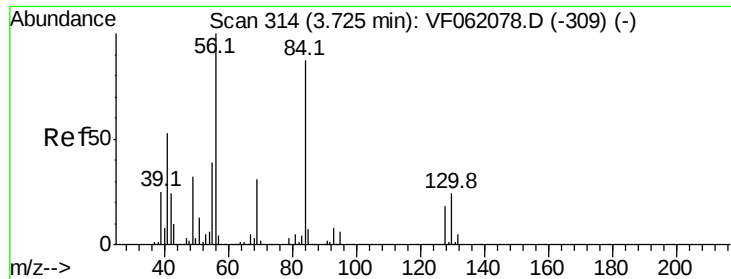
Delta R.T. -0.04 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Tgt Ion:	83	Resp:	235383
Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.5	77.3





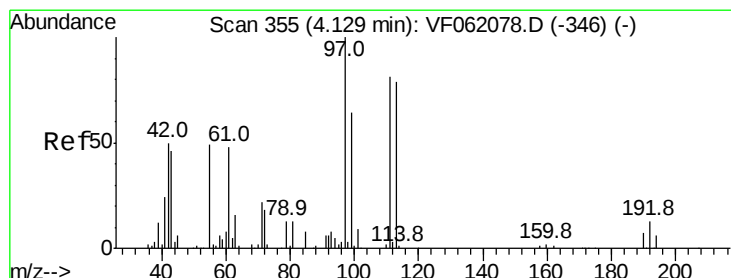
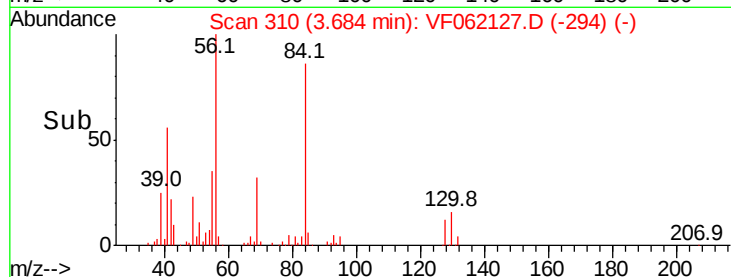
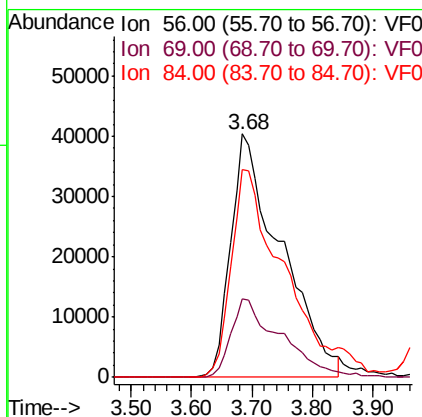
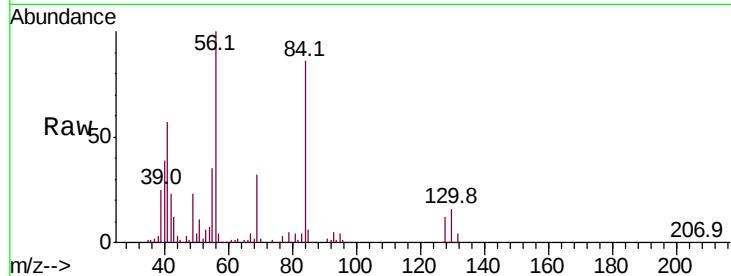
#31
Cyclohexane
Concen: 51.690 ug/l
RT: 3.68 min Scan# 310
Delta R.T. -0.04 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.4	25.9	38.9
84	85.6	71.1	106.7

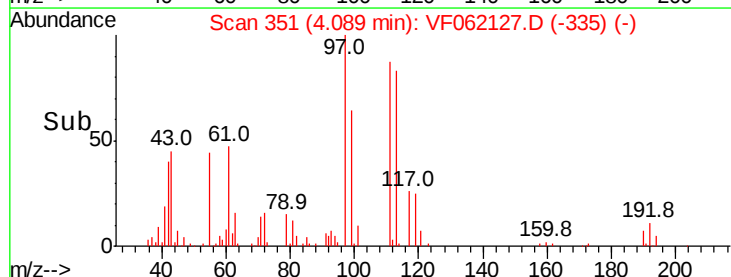
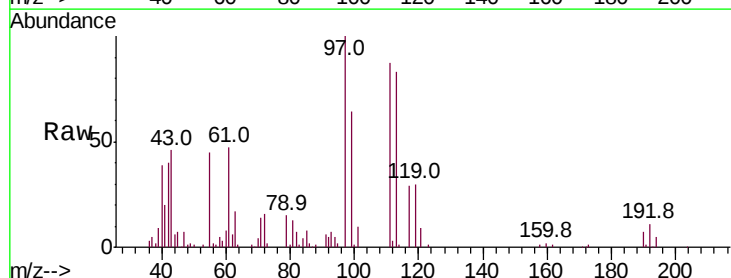
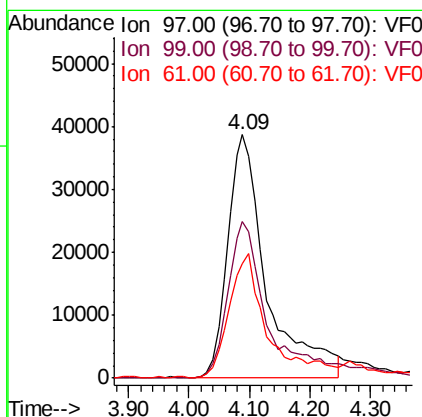
Manual Integrations
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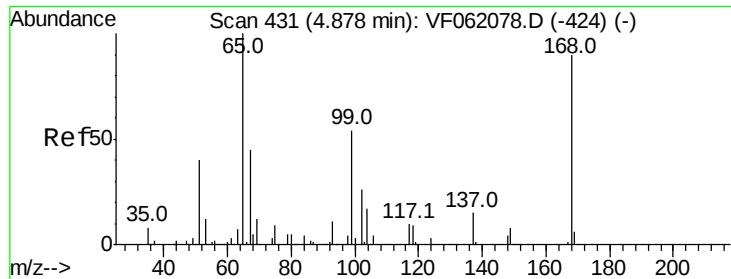
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#32
1,1,1-Trichloroethane
Concen: 63.252 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.04 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.3	76.9
61	47.1	39.0	58.6





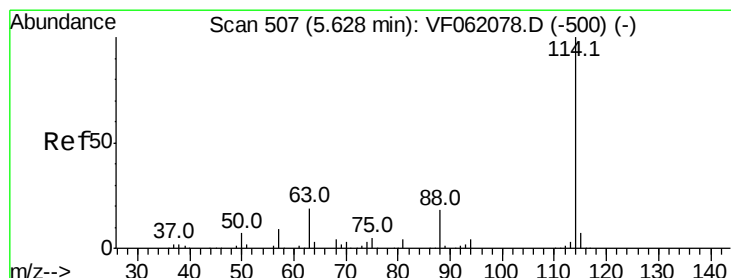
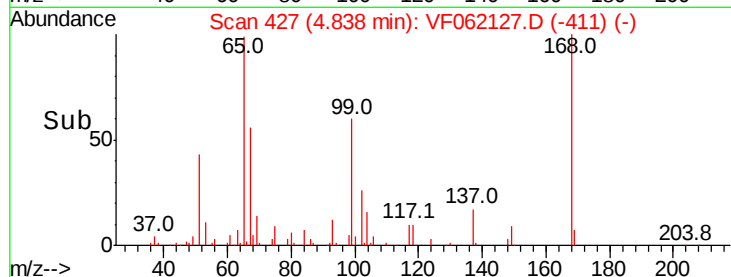
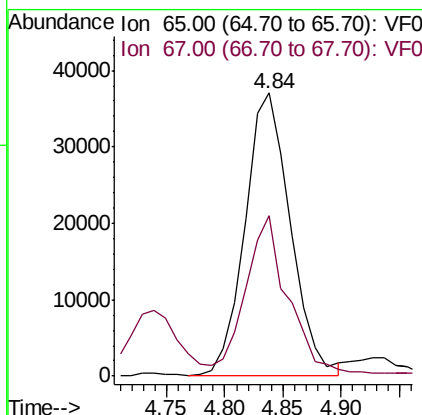
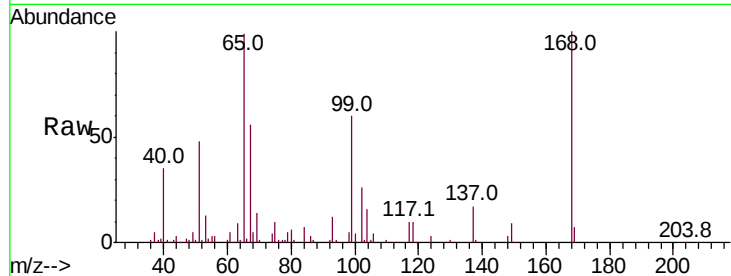
#33
 1,2-Dichloroethane-d4
 Concen: 50.974 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.04 min
 Lab File: VF062127.D
 Acq: 25 Mar 2019 12:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 100316
 Ion Ratio Lower Upper
 65 100
 67 56.7 0.0 106.2

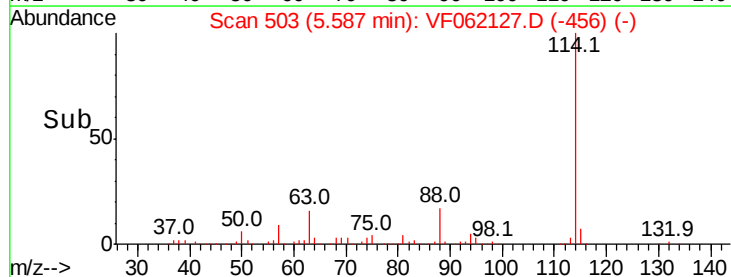
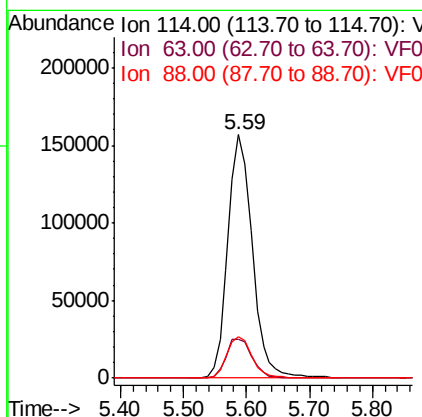
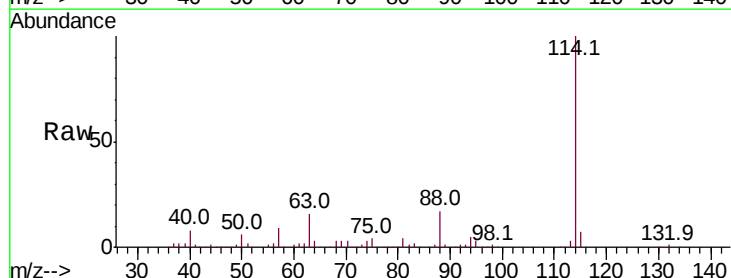
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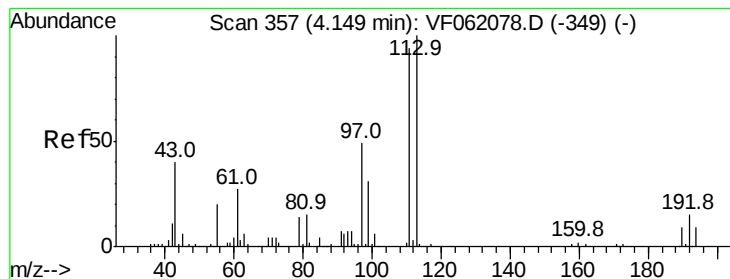
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.04 min
 Lab File: VF062127.D
 Acq: 25 Mar 2019 12:48

Tgt Ion: 114 Resp: 423526
 Ion Ratio Lower Upper
 114 100
 63 15.8 0.0 37.8
 88 17.0 0.0 36.4





#35

Dibromofluoromethane

Concen: 53.265 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.04 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:113 Resp: 152603

Ion Ratio Lower Upper

113 100

111 100.7 75.4 113.0

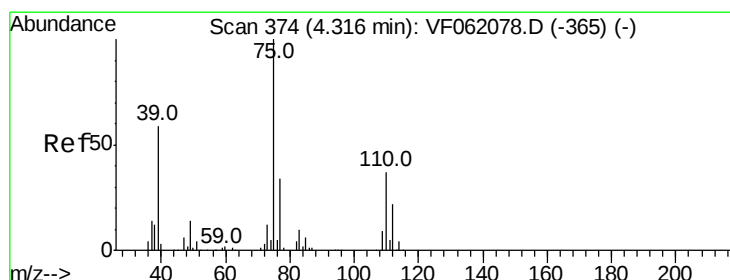
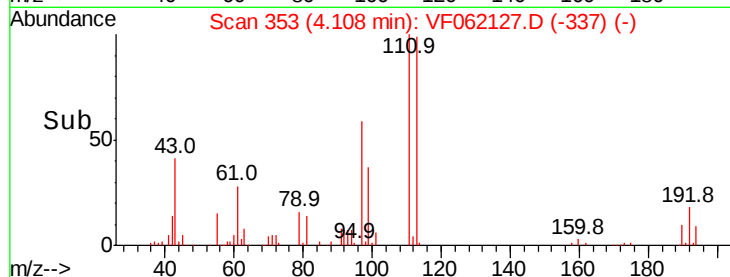
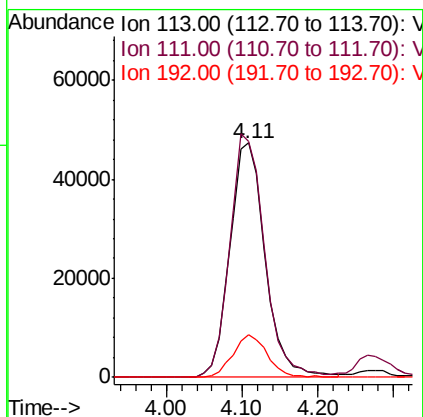
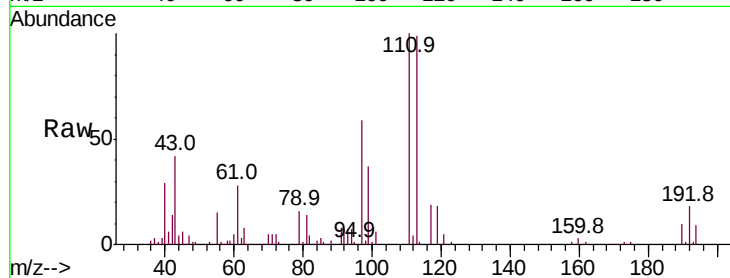
192 18.1 12.3 18.5

Manual Integrations

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#36

1,1-Dichloropropene

Concen: 51.524 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.04 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

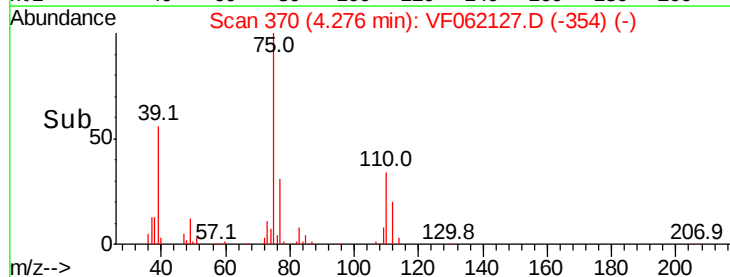
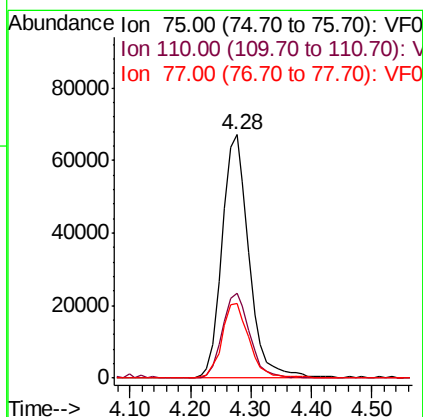
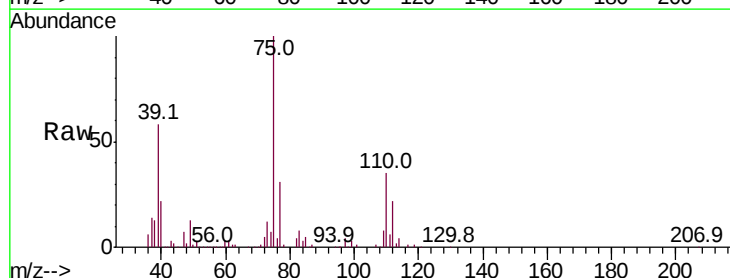
Tgt Ion: 75 Resp: 207851

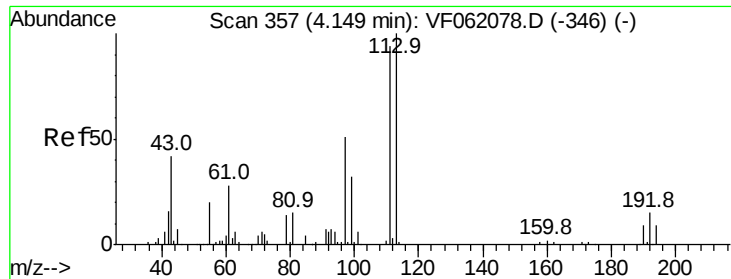
Ion Ratio Lower Upper

75 100

110 35.1 18.5 55.5

77 30.7 27.4 41.0





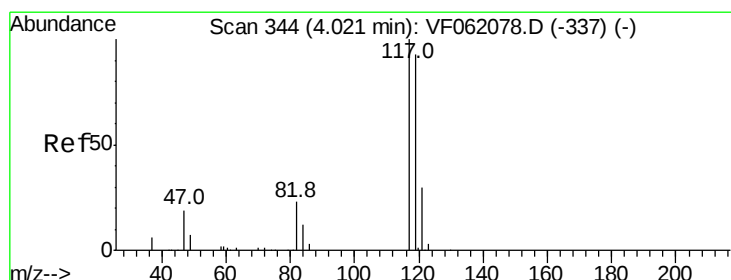
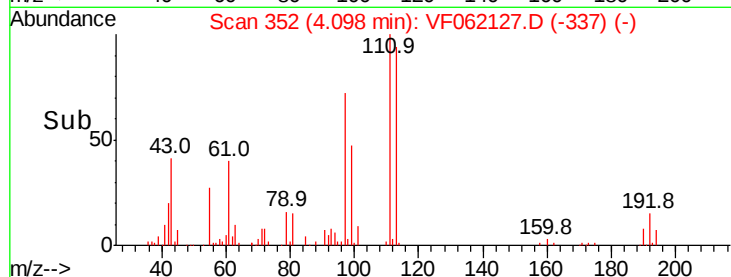
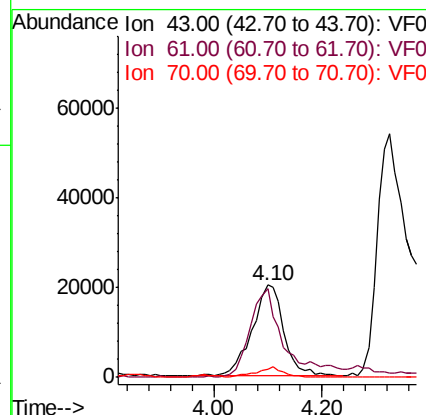
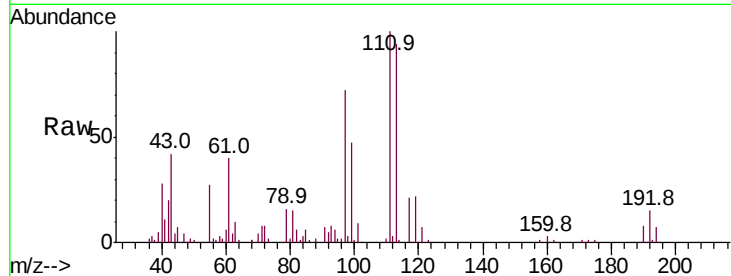
#37
Ethyl Acetate
Concen: 46.997 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.05 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	96.0	53.6	80.4#
70	9.1	9.0	13.6

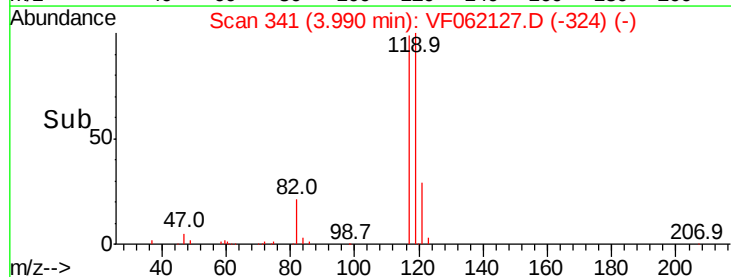
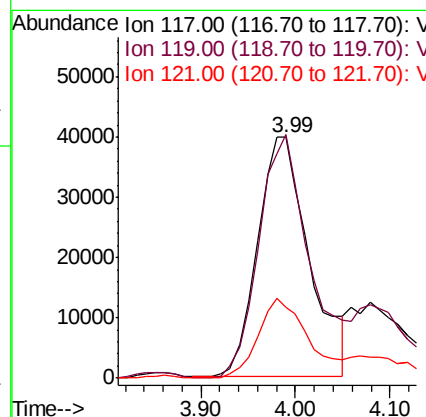
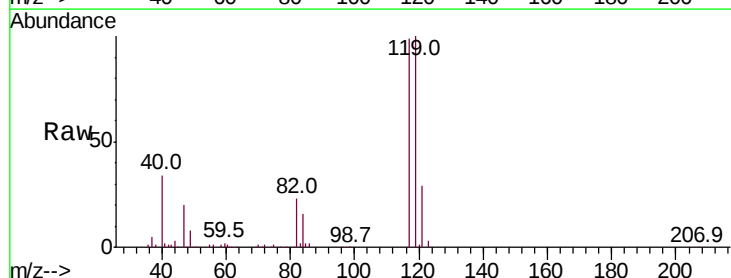
Manual Integrations
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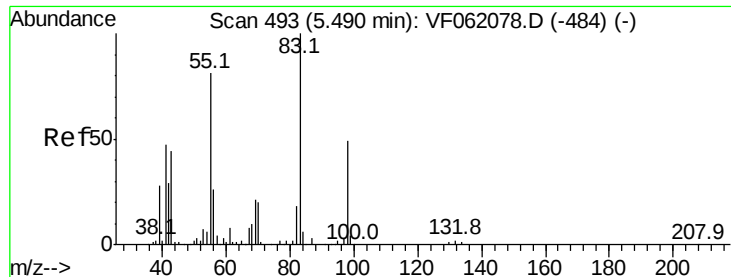
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#38
Carbon Tetrachloride
Concen: 55.070 ug/l
RT: 3.99 min Scan# 341
Delta R.T. -0.03 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.1	74.7	112.1
121	29.3	23.6	35.4





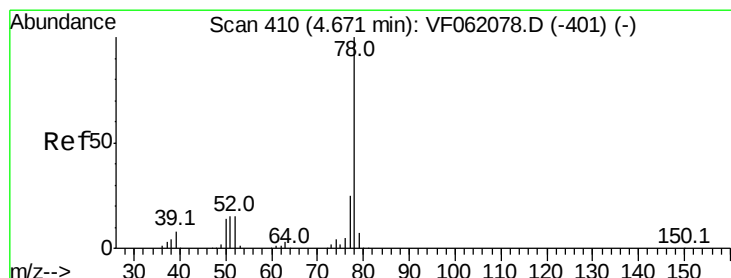
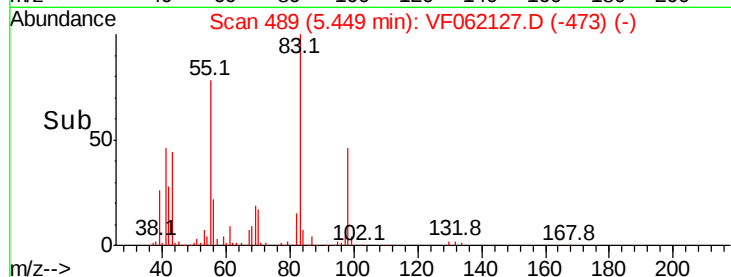
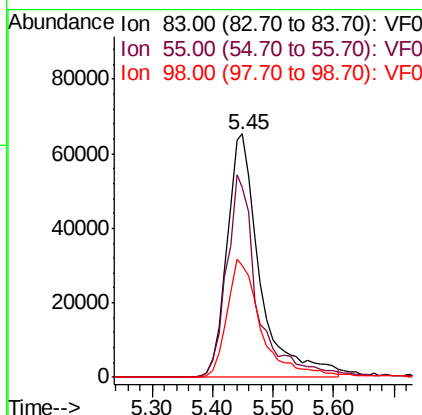
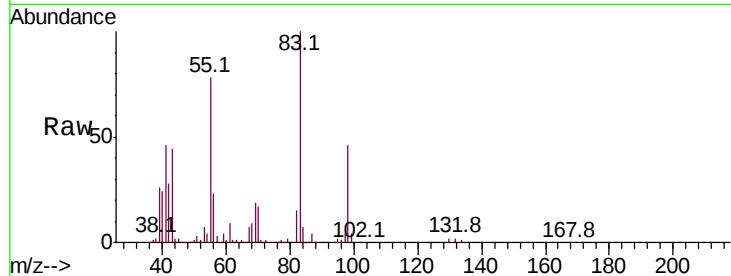
#39
Methvlcvclohexane
Concen: 52.650 ug/l
RT: 5.45 min Scan# 489
Delta R.T. -0.04 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.8	64.5	96.7
98	46.1	39.1	58.7

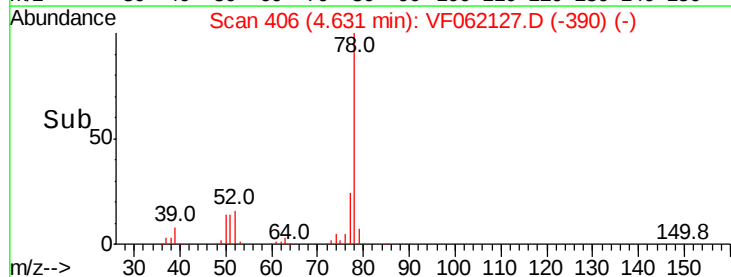
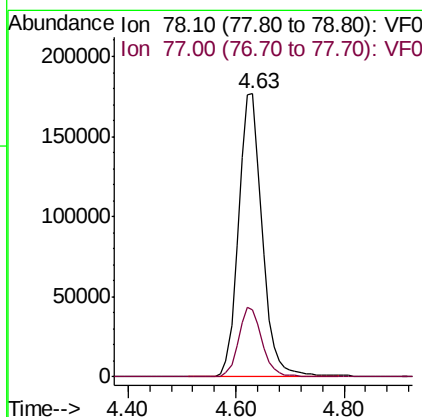
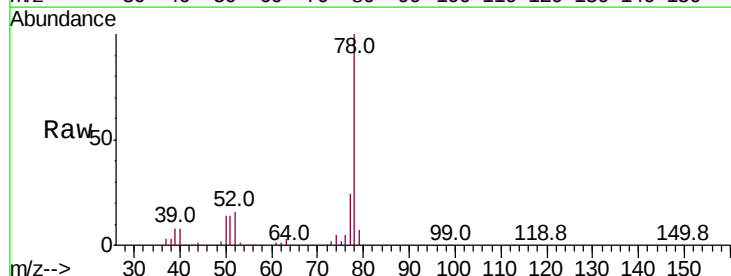
Manual Integrations
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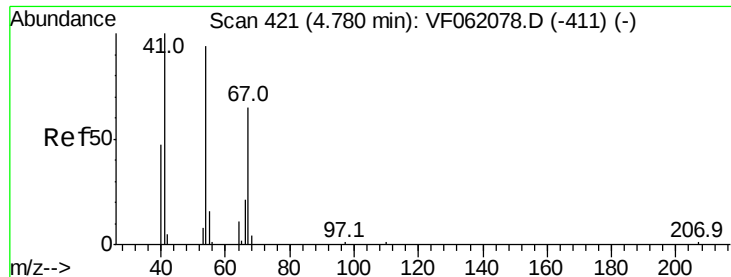
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#40
Benzene
Concen: 50.064 ug/l
RT: 4.63 min Scan# 406
Delta R.T. -0.04 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.8	29.6





#41

Methacrylonitrile

Concen: 45.717 ug/l

RT: 4.74 min Scan# 417

Delta R.T. -0.04 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

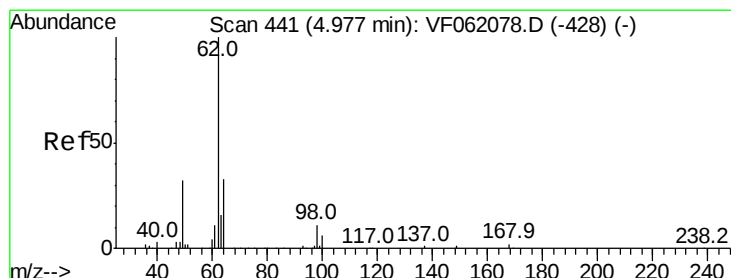
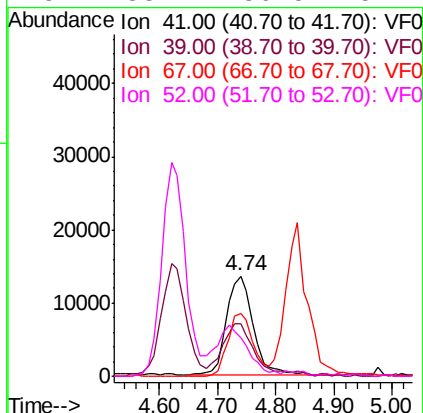
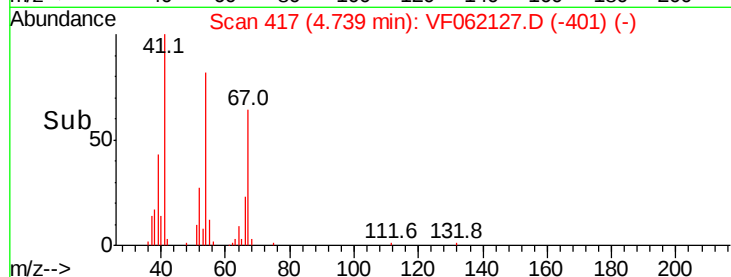
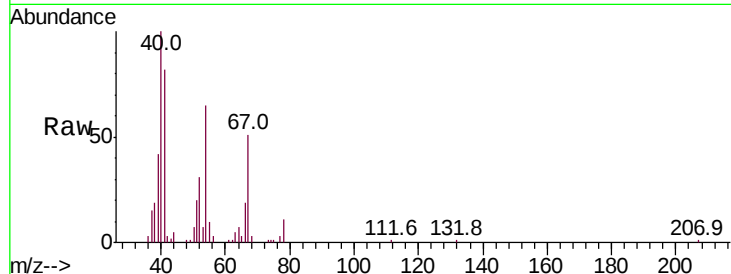
ClientSampleId :

VSTDCCC050

Tot Ion:	41	Resp:	42646
Ion Ratio	Lower	Upper	
41	100		
39	51.8	43.5	65.3
67	62.2	51.6	77.4
52	38.1	36.5	54.7

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 50.052 ug/l

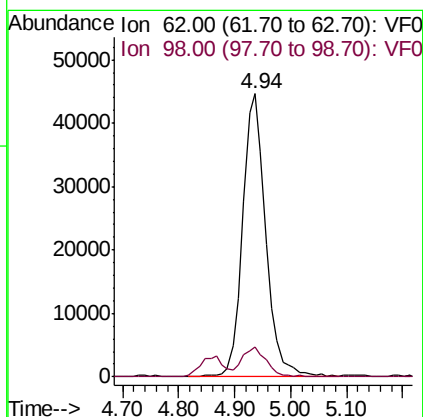
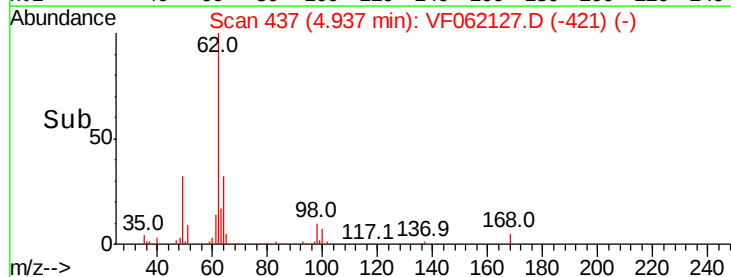
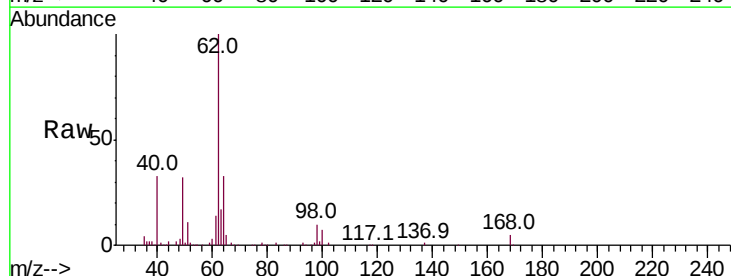
RT: 4.94 min Scan# 437

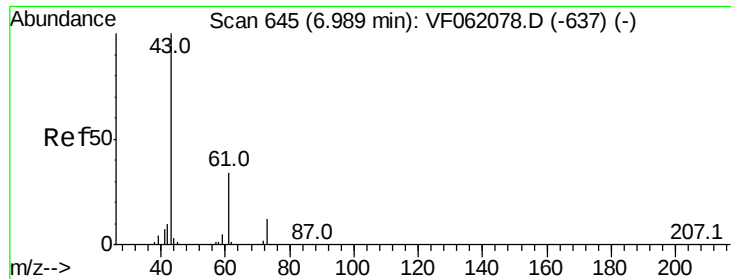
Delta R.T. -0.04 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Tgt Ion:	62	Resp:	128002
Ion Ratio	Lower	Upper	
62	100		
98	10.5	0.0	23.2





#43

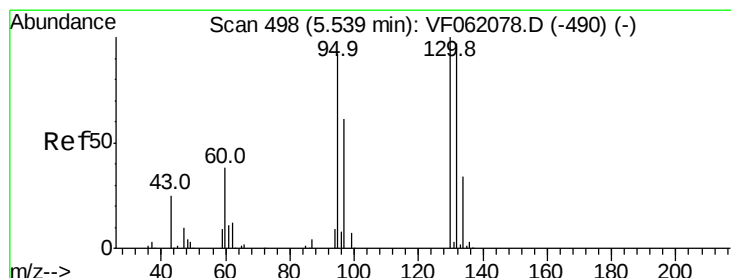
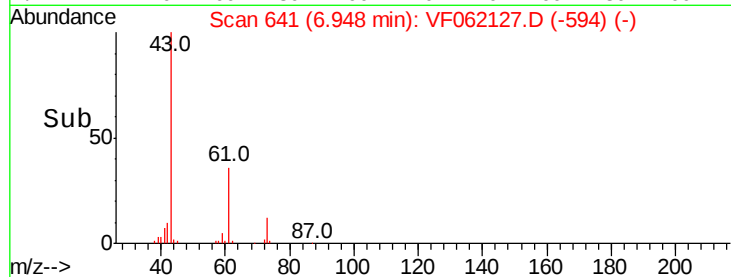
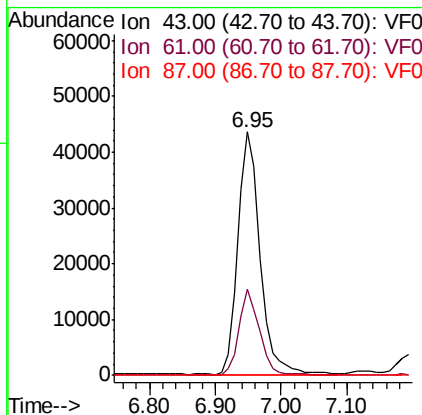
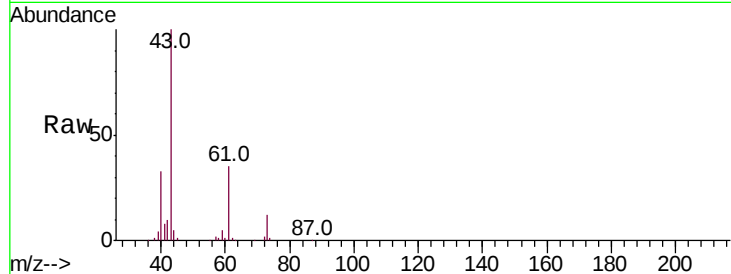
Isopropyl Acetate
 Concen: 48.612 ug/l
 RT: 6.95 min Scan# 641
 Delta R.T. -0.04 min
 Lab File: VF062127.D
 Acq: 25 Mar 2019 12:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	35.2	27.0	40.4
87	0.4	0.4	0.6

Manual Integrations
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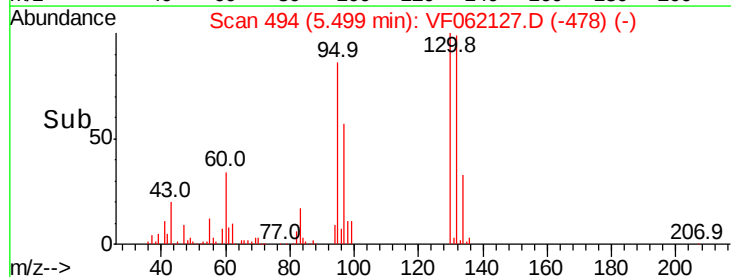
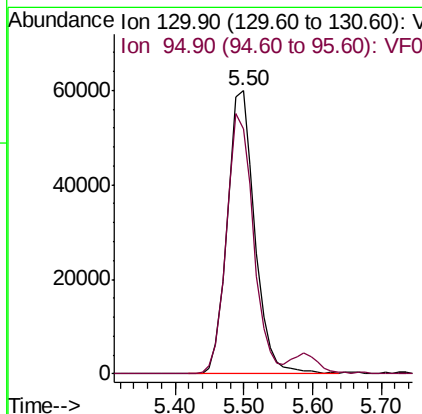
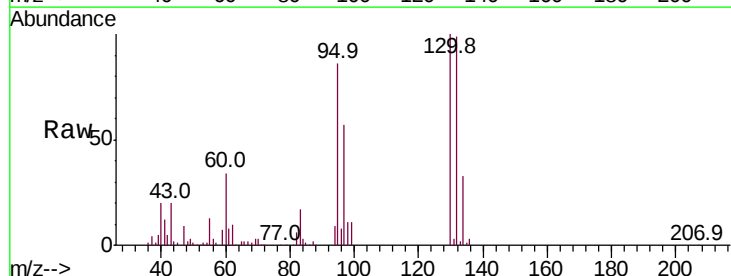
MMDadoda
 3/26/2019 3:59:13 PM

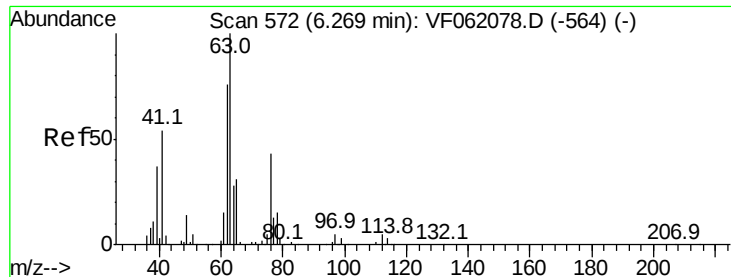


#44

Trichloroethene
 Concen: 50.212 ug/l
 RT: 5.50 min Scan# 494
 Delta R.T. -0.04 min
 Lab File: VF062127.D
 Acq: 25 Mar 2019 12:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.4	0.0	183.4





#45

1,2-Dichloropropane

Concen: 45.298 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.05 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 116840

Ion Ratio Lower Upper

63 100

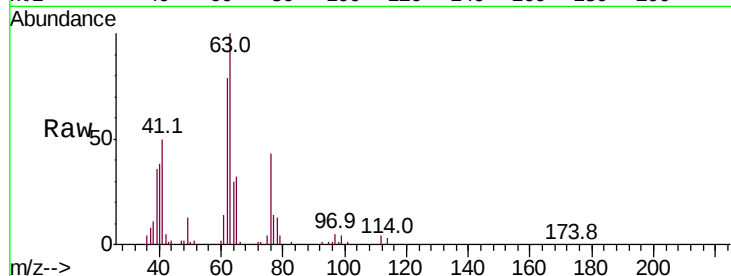
65 31.7 24.9 37.3

Manual Integrations

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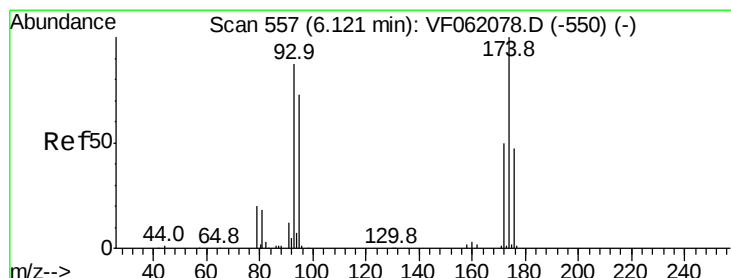
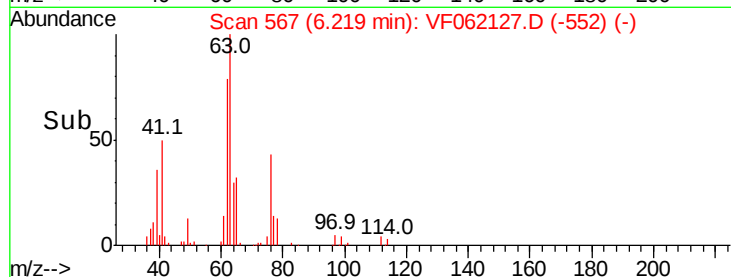
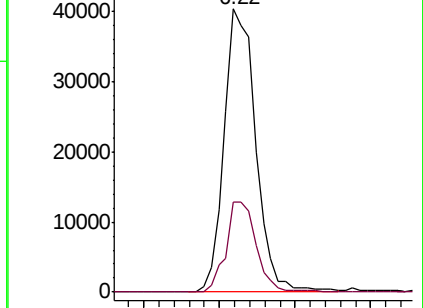
MMDadoda

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 49.339 ug/l

RT: 6.08 min Scan# 553

Delta R.T. -0.04 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

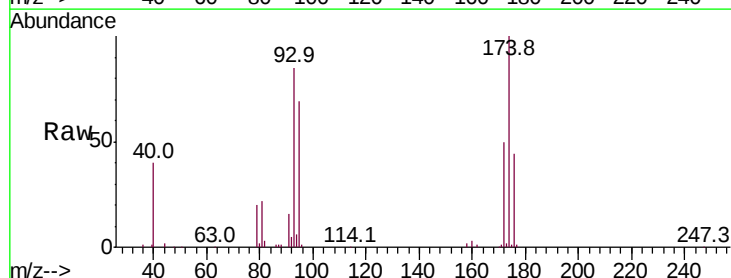
Tgt Ion: 93 Resp: 77813

Ion Ratio Lower Upper

93 100

95 81.2 67.4 101.2

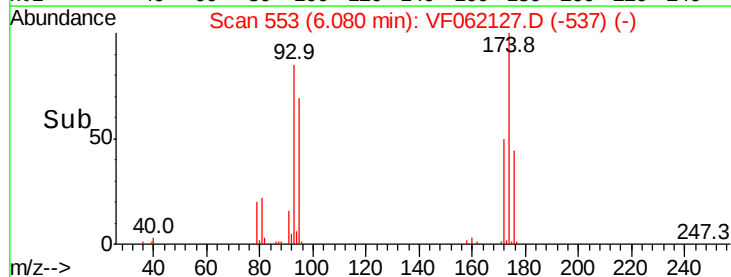
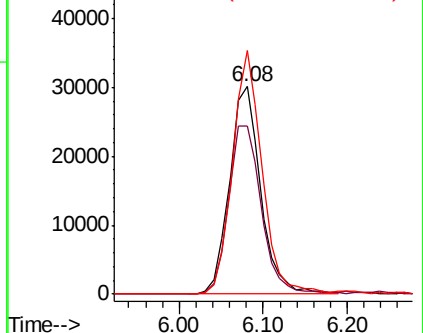
174 117.3 92.0 138.0

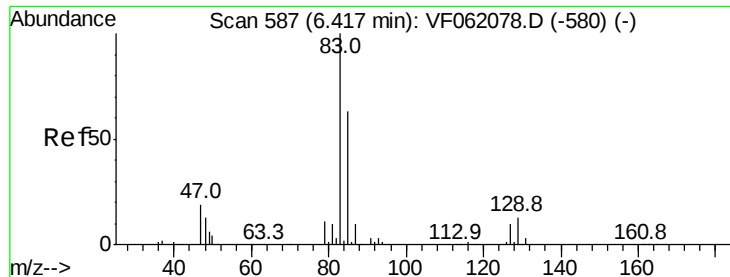


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 51.570 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.04 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

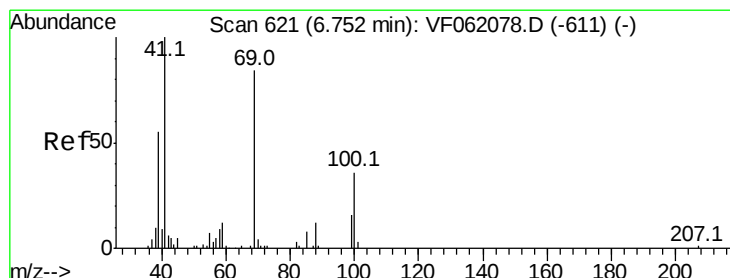
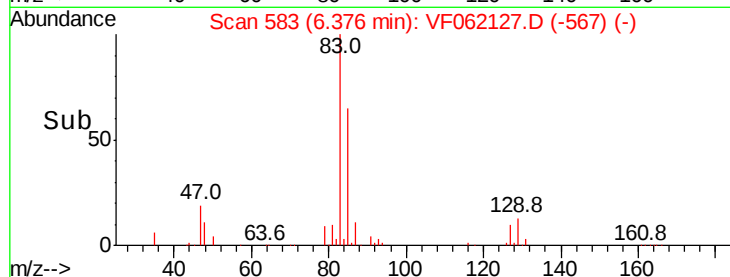
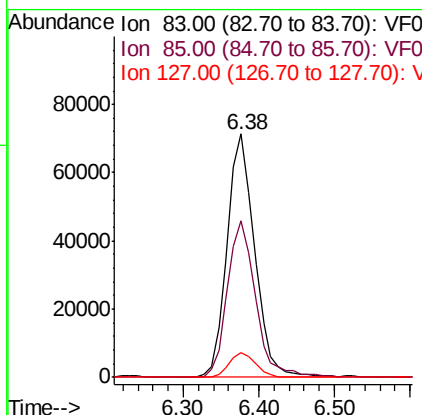
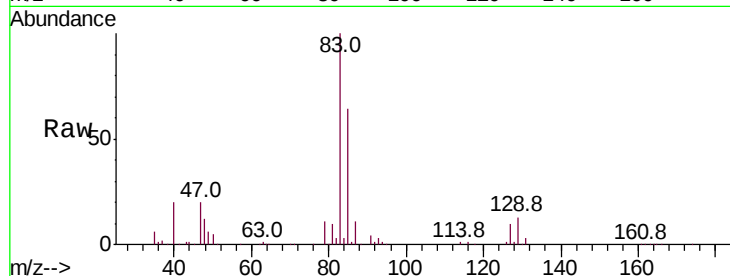
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	180150
Ion Ratio	Lower	Upper	
83	100		
85	64.5	50.7	76.1
127	10.2	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.374 ug/l

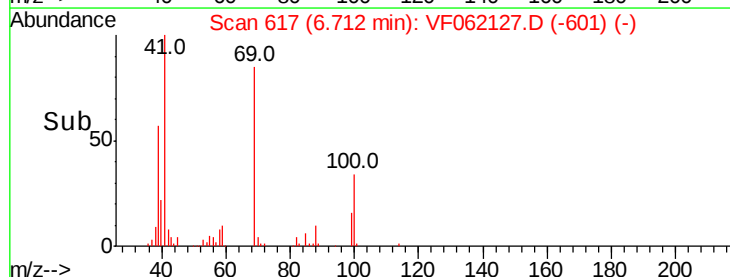
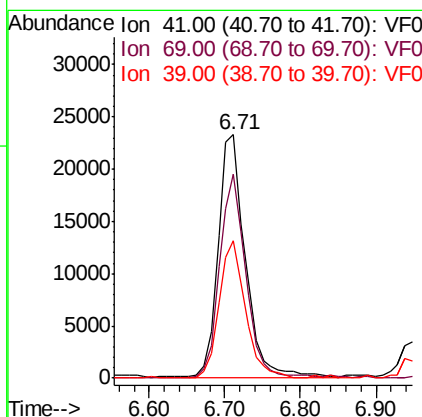
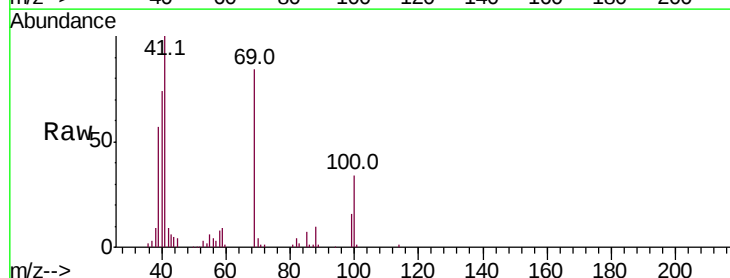
RT: 6.71 min Scan# 617

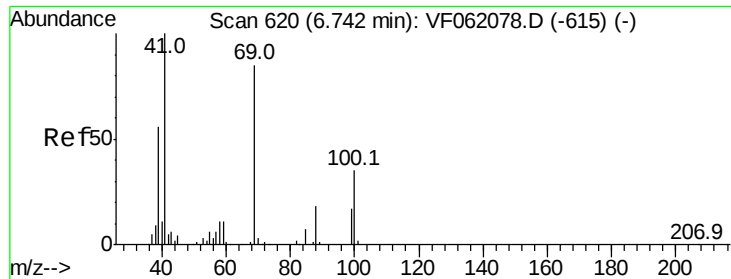
Delta R.T. -0.04 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Tgt Ion:	41	Resp:	58807
Ion Ratio	Lower	Upper	
41	100		
69	83.8	66.6	100.0
39	56.7	43.6	65.4





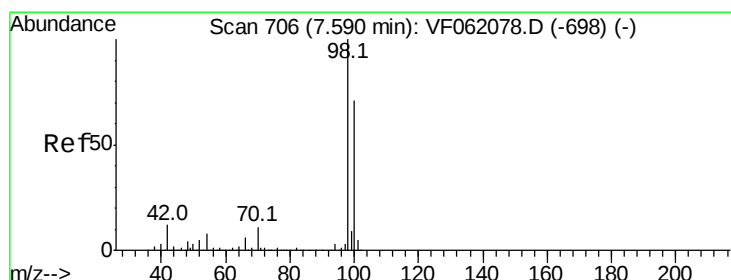
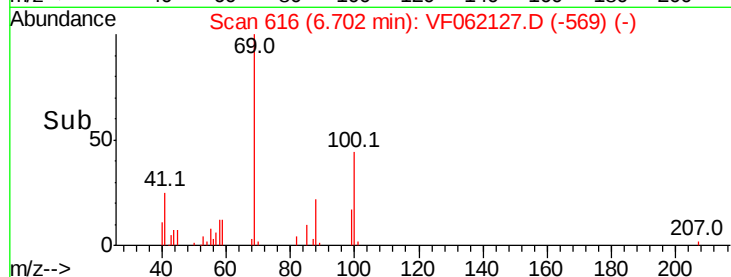
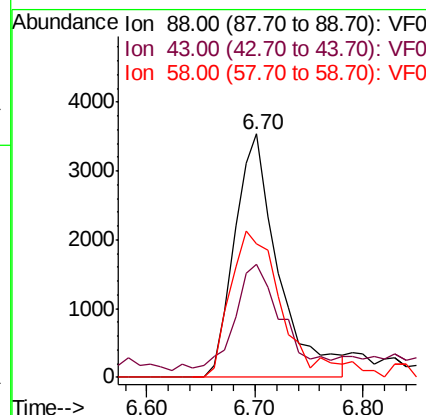
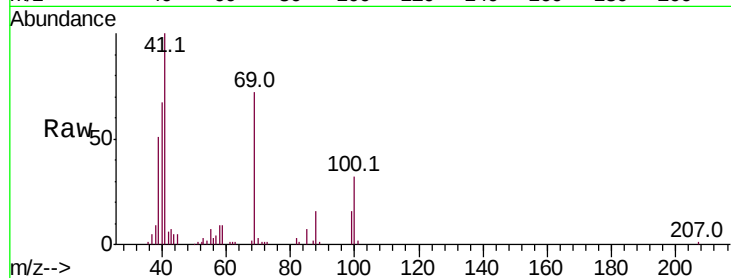
#49
1,4-Dioxane
Concen: 931.936 ug/l
RT: 6.70 min Scan# 616
Delta R.T. -0.04 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	46.3	35.0	52.4
58	55.1	49.9	74.9

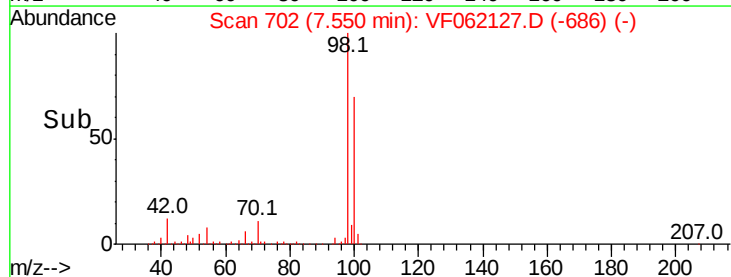
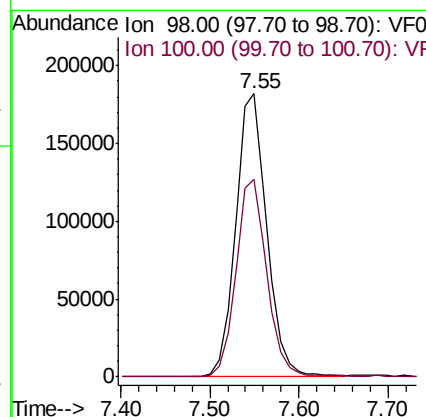
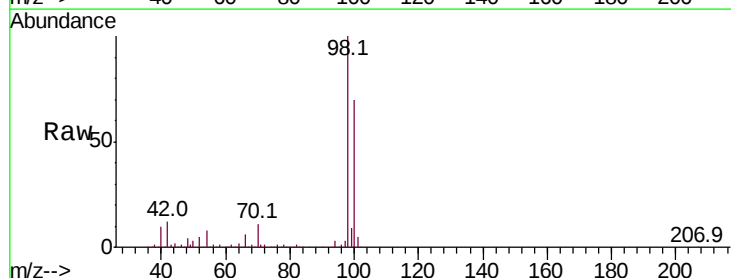
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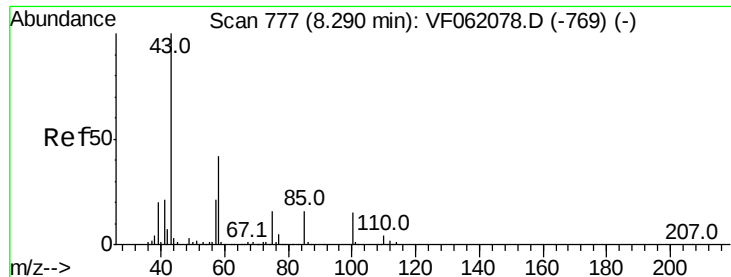
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#50
Toluene-d8
Concen: 51.708 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.04 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.9	57.0	85.6





#51

4-Methyl-2-Pentanone

Concen: 243.786 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.04 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Tot Ion: 43 Resp: 348381

Ion Ratio Lower Upper

43 100

58 41.2 33.8 50.8

Instrument :

MSVOA_F

ClientSampleId :

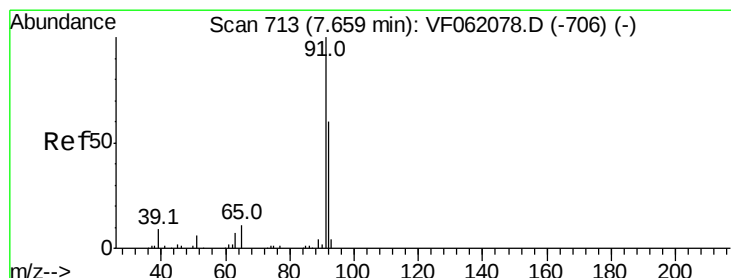
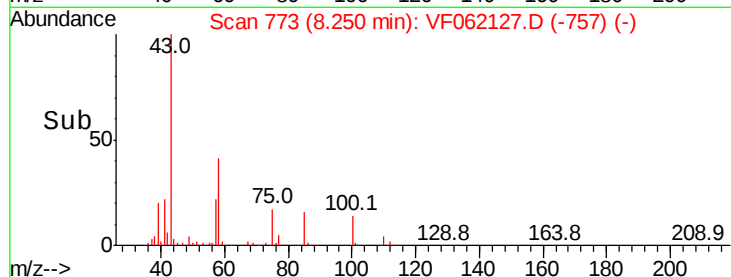
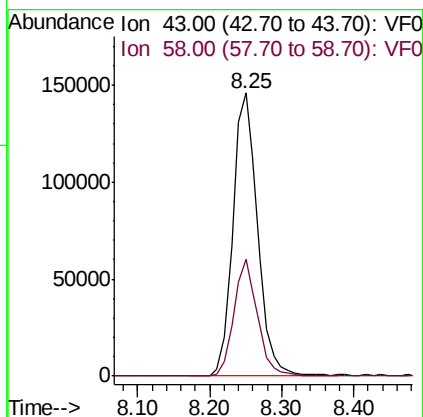
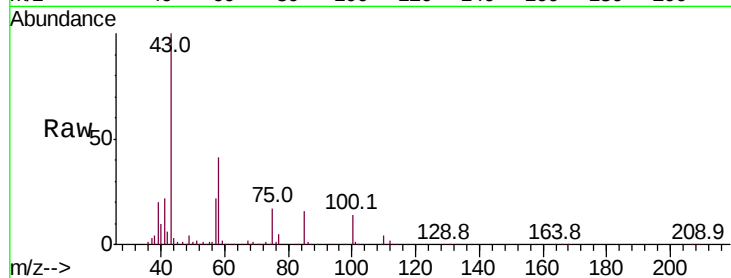
VSTDCCC050

Manual Integrations

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#52

Toluene

Concen: 52.817 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.04 min

Lab File: VF062127.D

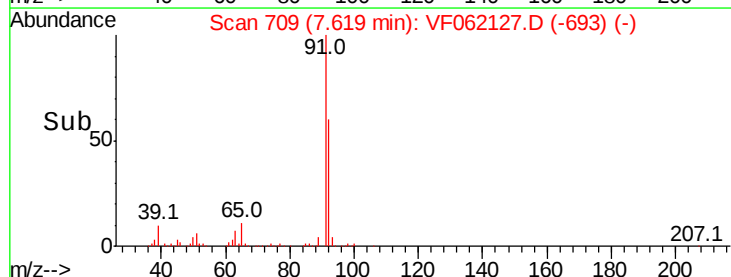
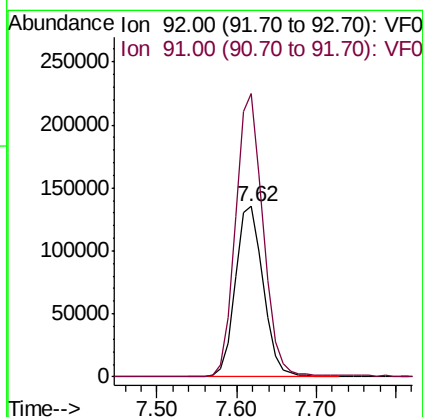
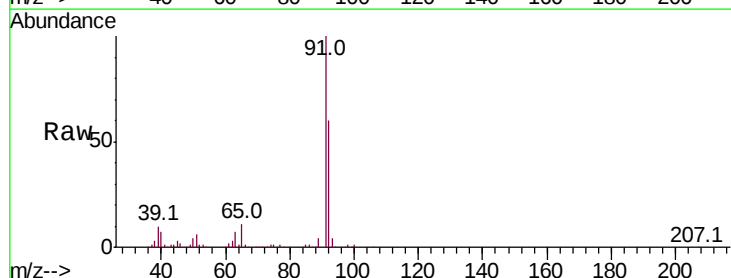
Acq: 25 Mar 2019 12:48

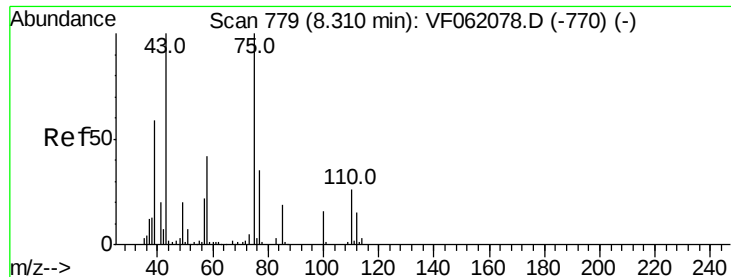
Tgt Ion: 92 Resp: 330840

Ion Ratio Lower Upper

92 100

91 166.2 134.1 201.1





#53

t-1,3-Dichloropropene

Concen: 52.191 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.04 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 143124

Ion Ratio Lower Upper

75 100

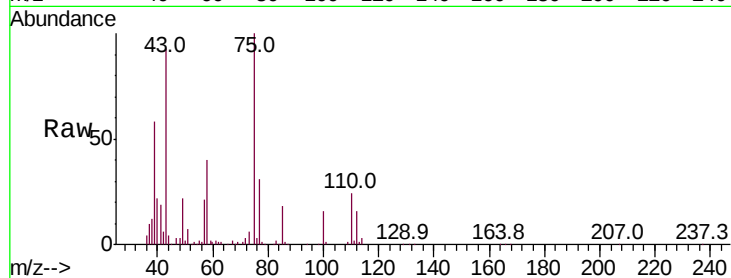
77 31.4 28.0 42.0

Manual Integrations

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.27

60000

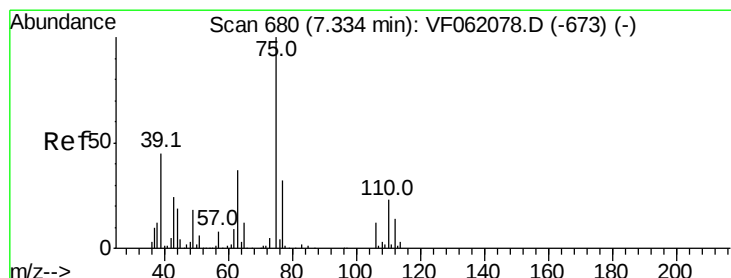
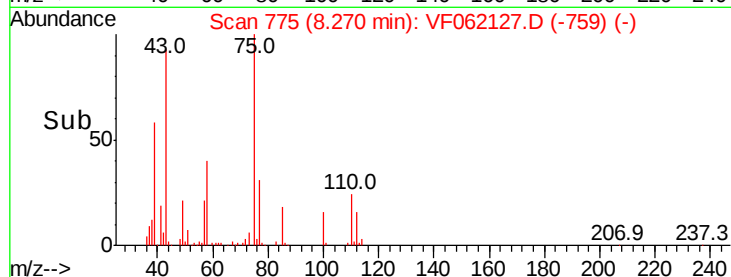
40000

20000

0

8.20 8.30 8.40

Time-->



#54

cis-1,3-Dichloropropene

Concen: 50.344 ug/l

RT: 7.29 min Scan# 676

Delta R.T. -0.04 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

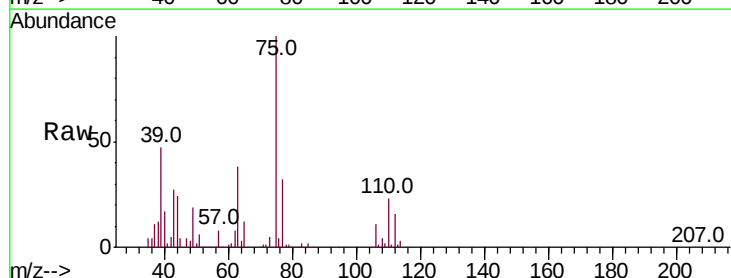
Tgt Ion: 75 Resp: 197540

Ion Ratio Lower Upper

75 100

77 32.4 25.8 38.6

39 47.3 35.9 53.9



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

7.29

100000

80000

60000

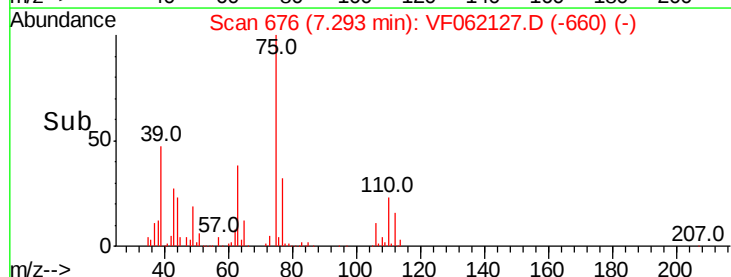
40000

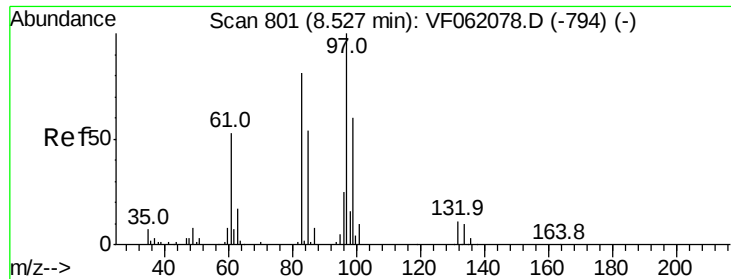
20000

0

7.20 7.30 7.40

Time-->





#55

1,1,2-Trichloroethane

Concen: 49.236 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.05 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

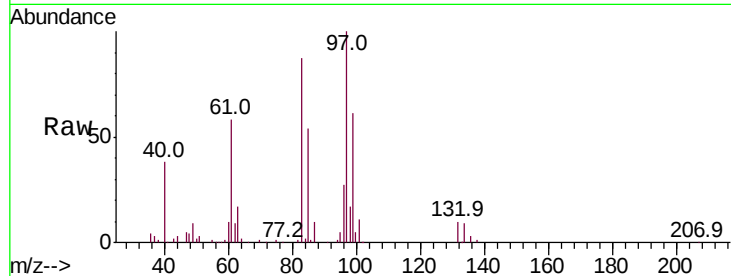
ClientSampleId :

VSTDCCC050

Tot Ion	97	Resp	87602
Ion	Ratio	Lower	Upper
97	100		
83	87.2	64.6	97.0
85	53.8	43.6	65.4
99	60.8	48.2	72.2

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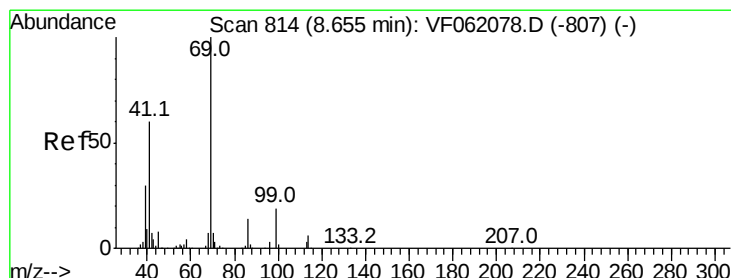
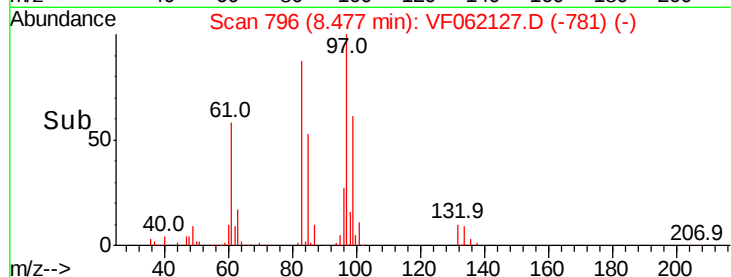
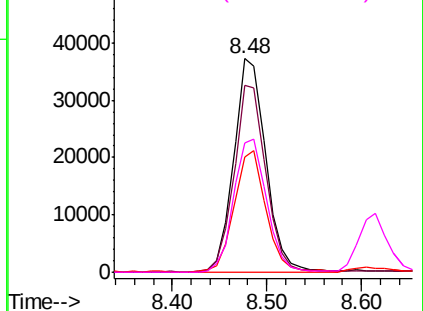


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 51.161 ug/l

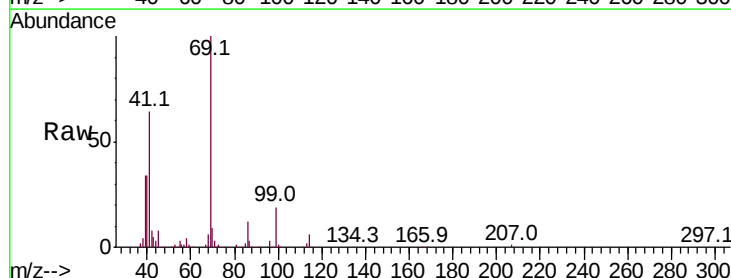
RT: 8.60 min Scan# 809

Delta R.T. -0.05 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

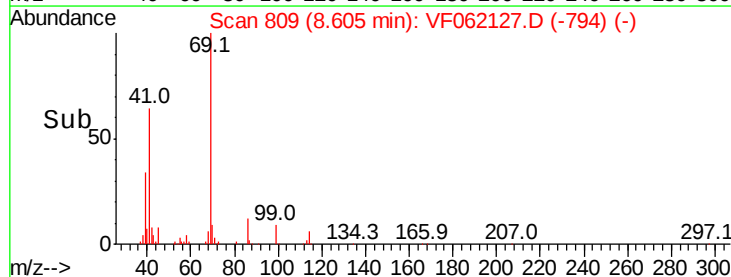
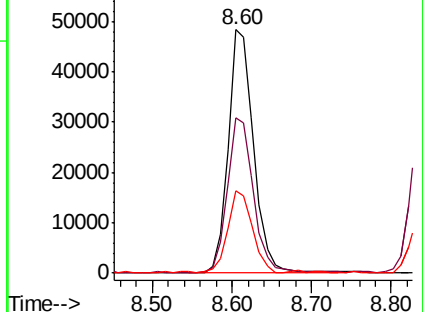
Tgt Ion	69	Resp	108560
Ion	Ratio	Lower	Upper
69	100		
41	64.0	48.2	72.2
39	33.6	24.0	36.0

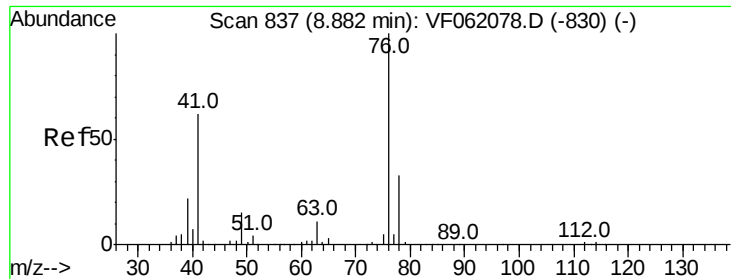


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 52.014 ug/l

RT: 8.84 min Scan# 833

Delta R.T. -0.04 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 153597

Ion Ratio Lower Upper

76 100

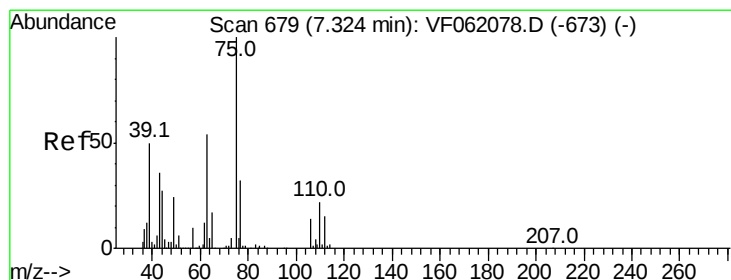
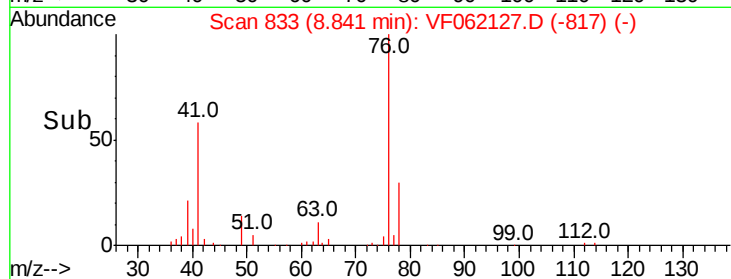
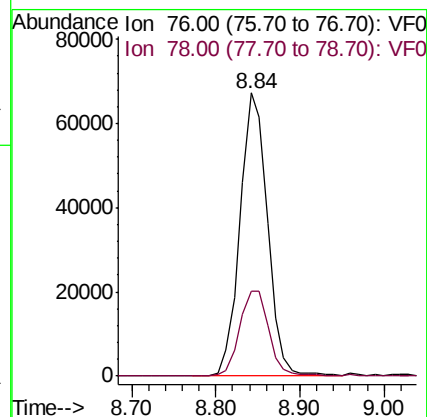
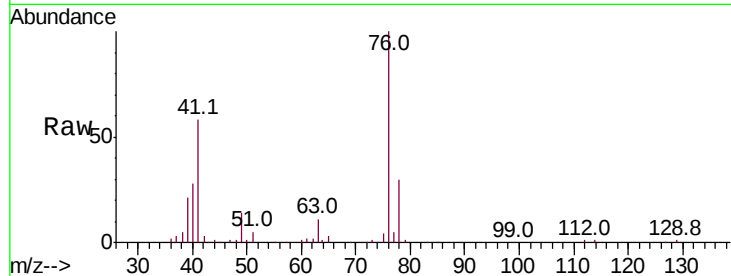
78 30.2 26.6 39.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 246.563 ug/l

RT: 7.28 min Scan# 675

Delta R.T. -0.04 min

Lab File: VF062127.D

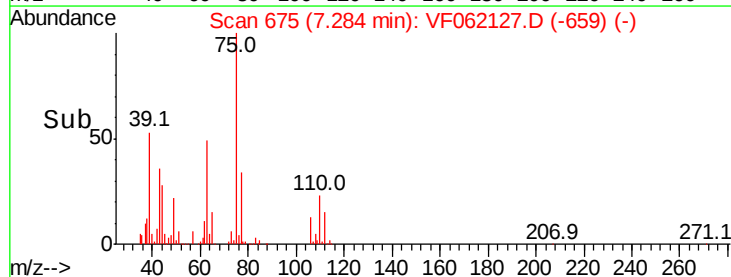
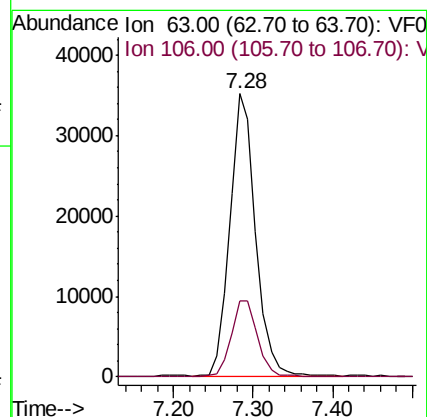
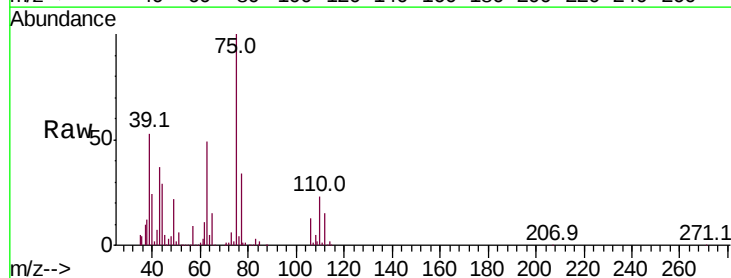
Acq: 25 Mar 2019 12:48

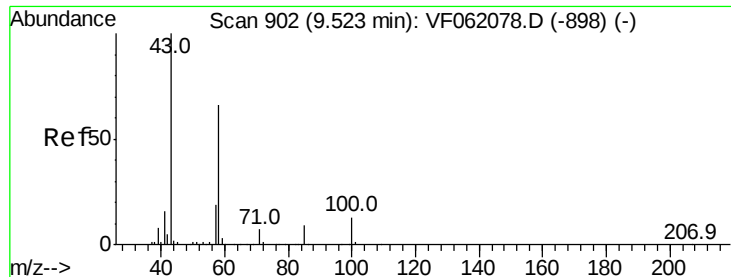
Tgt Ion: 63 Resp: 79390

Ion Ratio Lower Upper

63 100

106 26.9 21.5 32.3





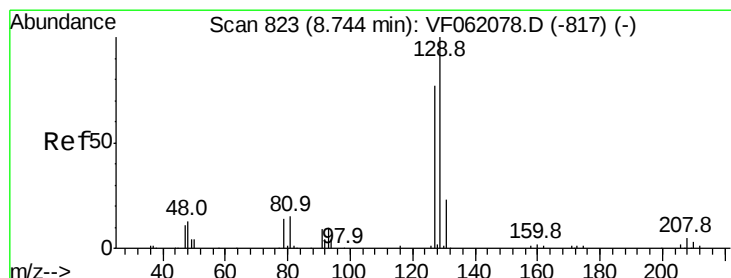
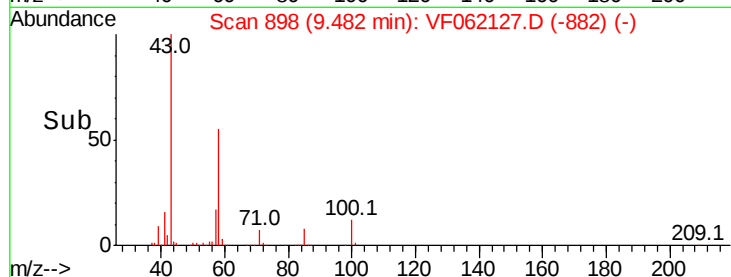
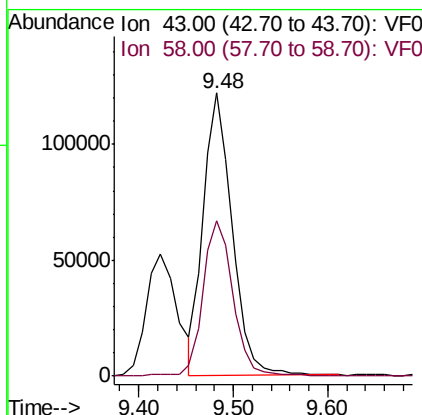
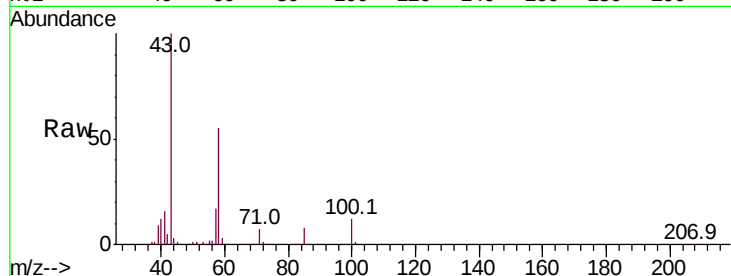
#59
2-Hexanone
Concen: 248.083 ug/l
RT: 9.48 min Scan# 898
Delta R.T. -0.04 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 259832
Ion Ratio Lower Upper
43 100
58 54.7 28.8 86.4

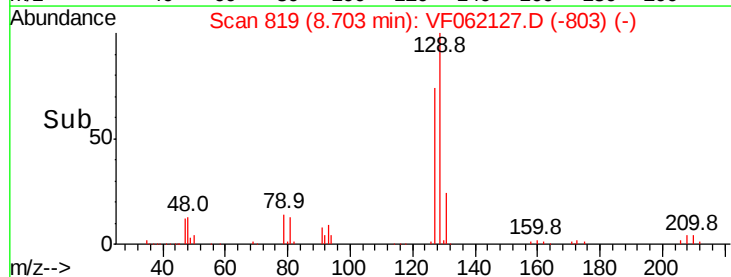
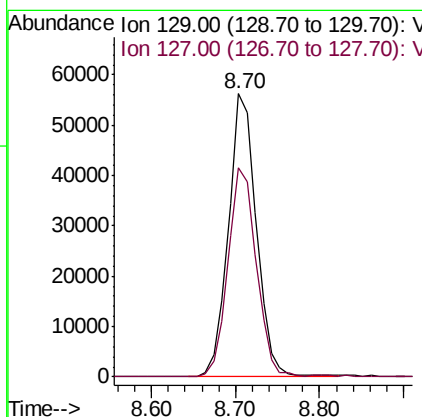
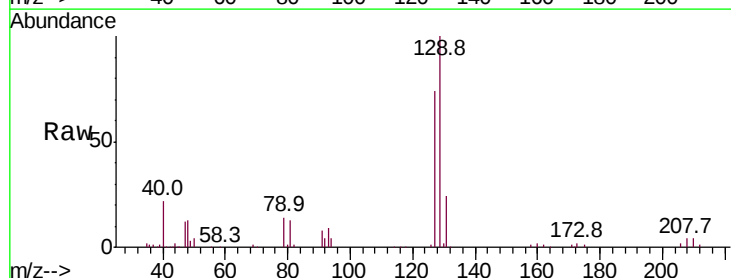
Manual Integrations
APPROVED

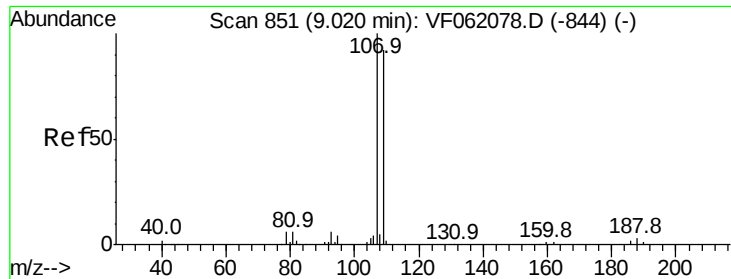
MMDadoda
3/26/2019 3:59:13 PM



#60
Dibromochloromethane
Concen: 52.630 ug/l
RT: 8.70 min Scan# 819
Delta R.T. -0.04 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Tgt Ion: 129 Resp: 130177
Ion Ratio Lower Upper
129 100
127 73.9 38.7 116.1





#61

1,2-Dibromoethane

Concen: 50.085 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.04 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 95073

Ion Ratio Lower Upper

107 100

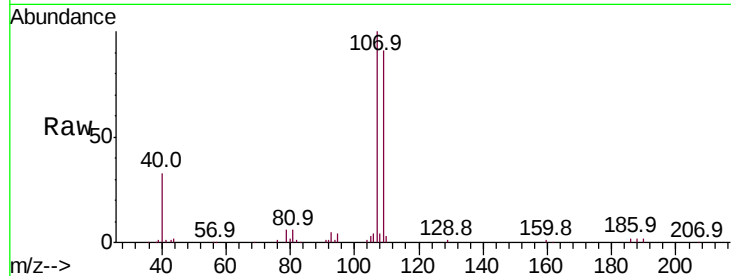
109 91.4 73.4 110.0

Manual Integrations

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3/26/2019 3:59:13 PM



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.98

50000

40000

30000

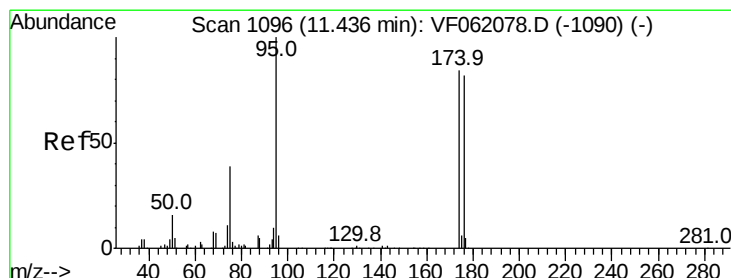
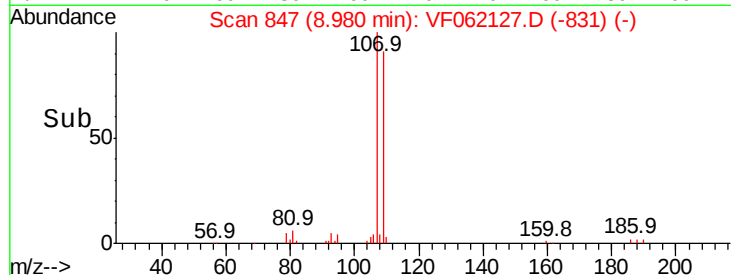
20000

10000

0

Time-->

8.90 9.00 9.10



#62

4-Bromofluorobenzene

Concen: 50.411 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

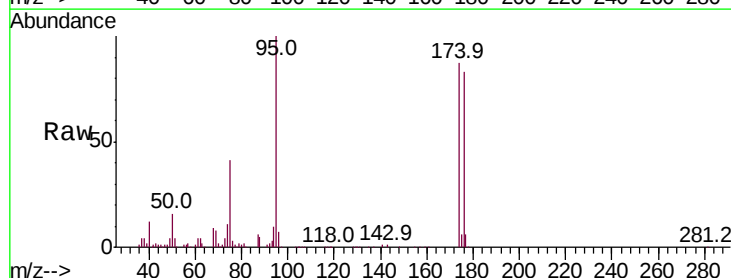
Tgt Ion: 95 Resp: 166436

Ion Ratio Lower Upper

95 100

174 87.2 0.0 168.2

176 82.7 0.0 164.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.41

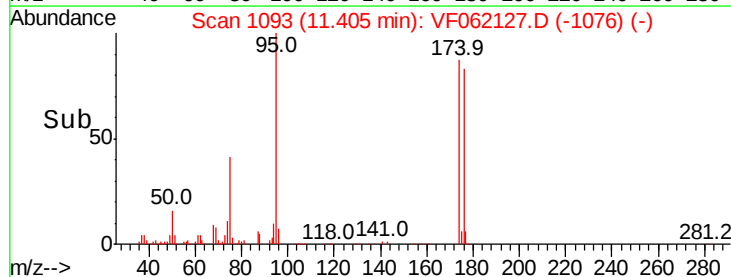
100000

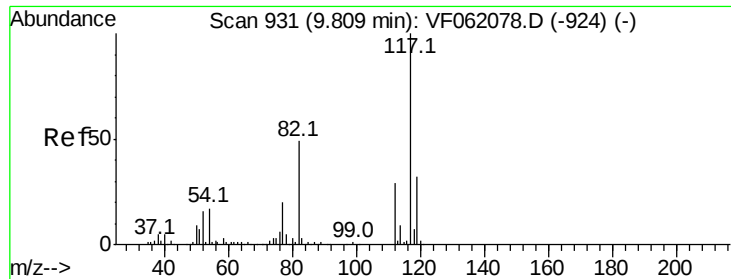
50000

0

Time-->

11.30 11.40 11.50





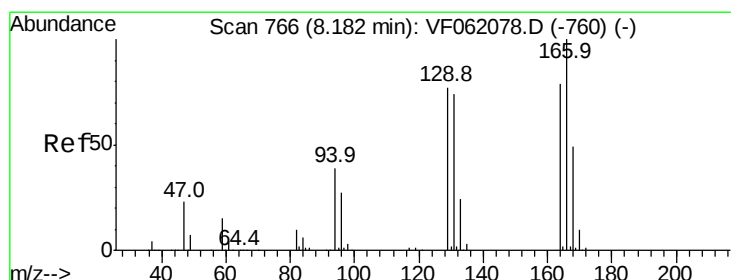
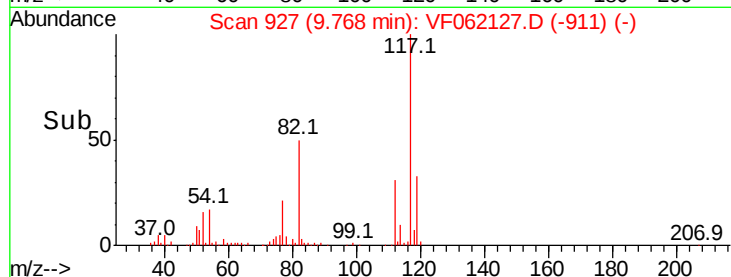
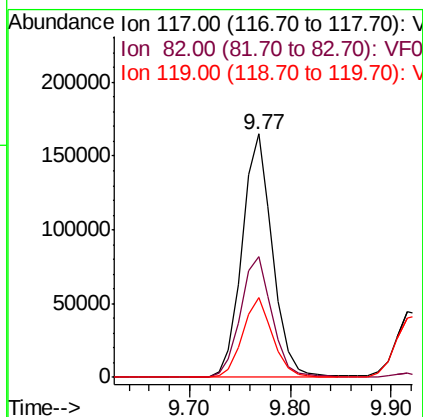
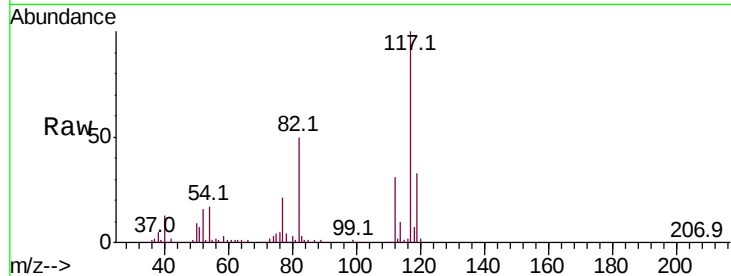
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.04 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	346804		
82	49.8		39.2	58.8
119	32.9		25.4	38.2

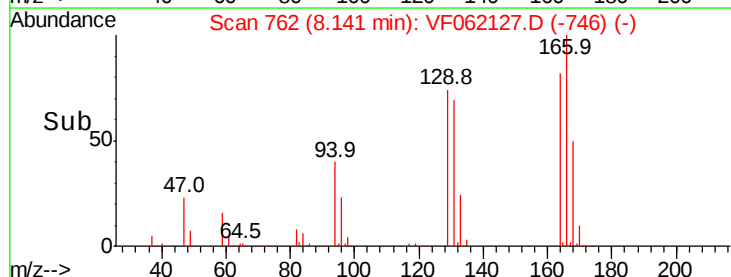
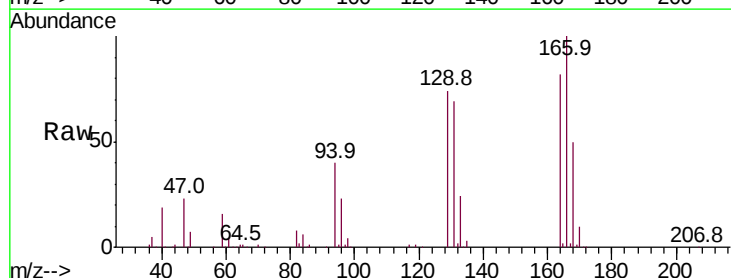
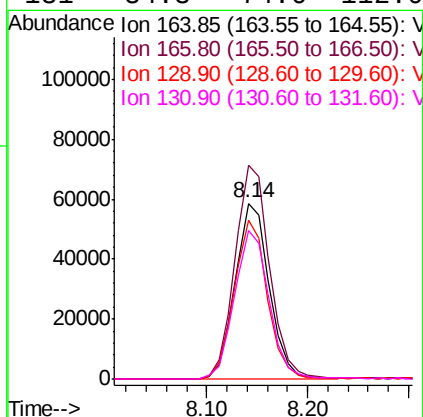
Manual Integrations
APPROVED

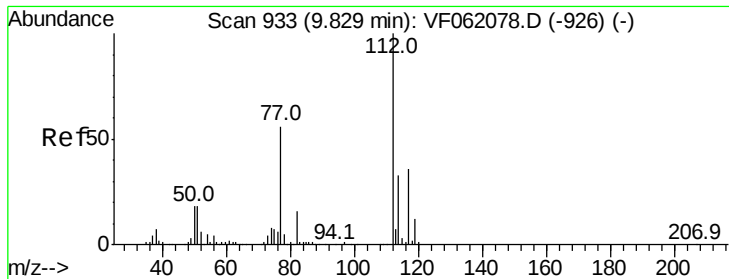
MMDadoda
3/26/2019 3:59:13 PM



#64
Tetrachloroethene
Concen: 51.479 ug/l
RT: 8.14 min Scan# 762
Delta R.T. -0.04 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	137931		
166	121.7		100.9	151.3
129	90.4		77.9	116.9
131	84.3		74.6	112.0





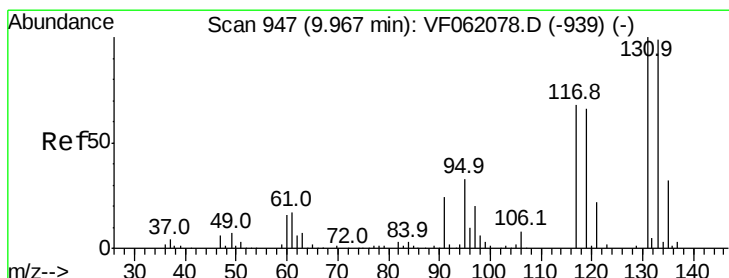
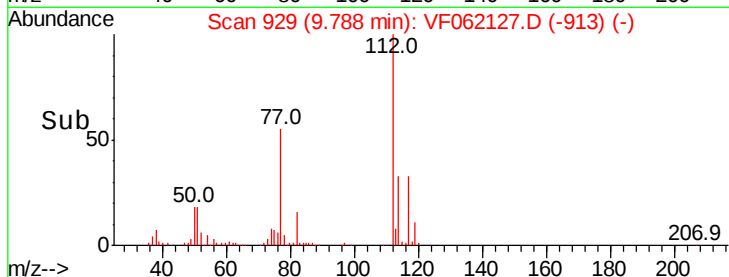
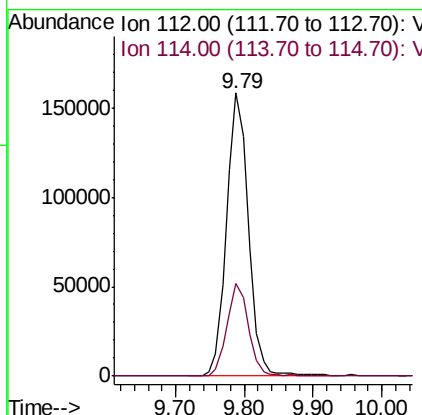
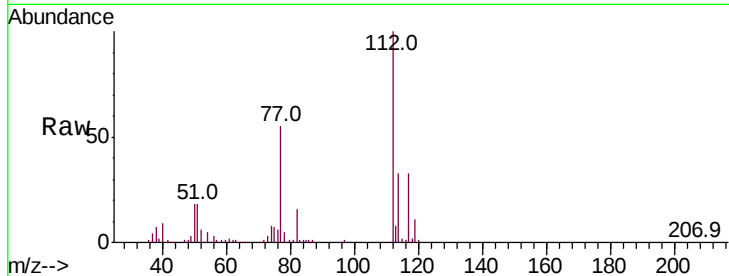
#65
Chlorobenzene
Concen: 53.810 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.04 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	349173		
114	32.7	26.0	39.0	

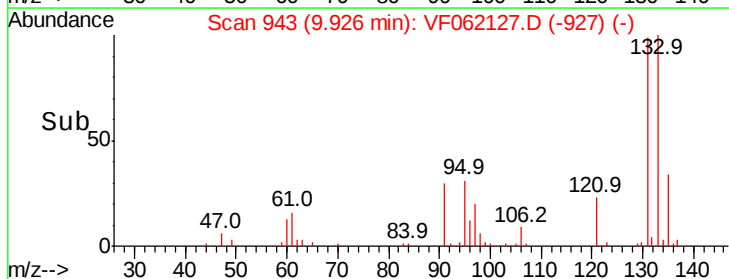
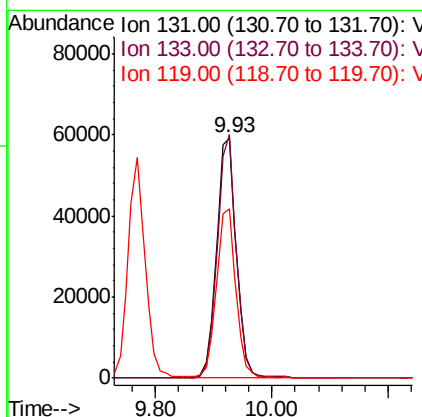
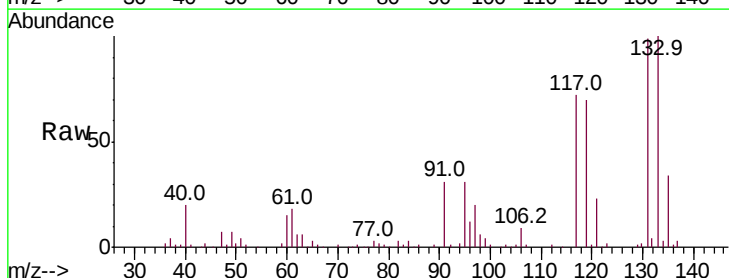
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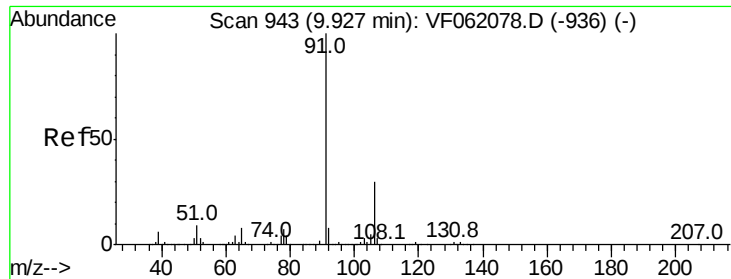
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.467 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.04 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	139363		
133	101.4	49.3	147.8	
119	70.7	33.5	100.4	





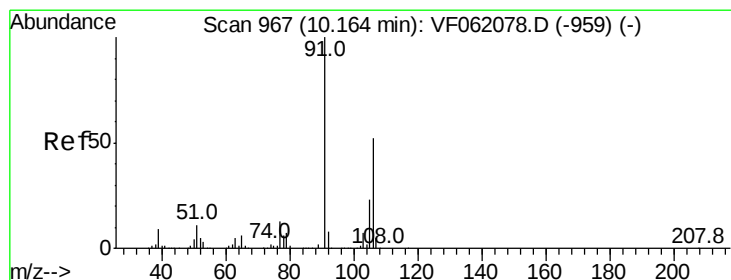
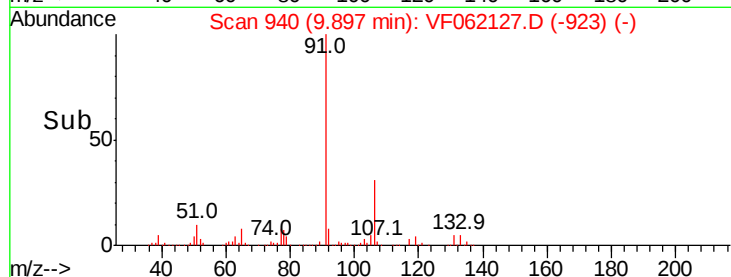
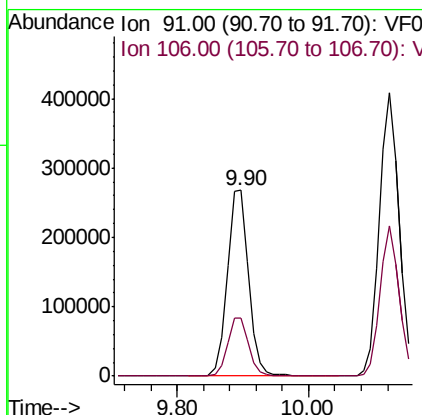
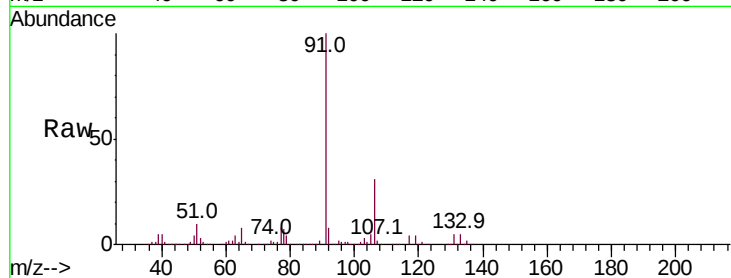
#67
Ethyl Benzene
Concen: 53.972 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.03 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 609064
Ion Ratio Lower Upper
91 100
106 31.1 24.0 36.0

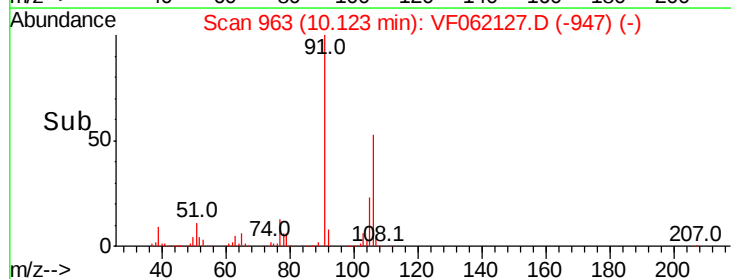
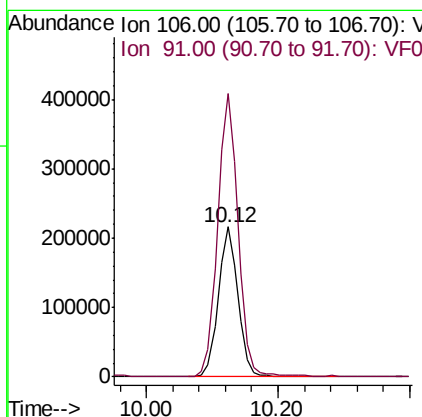
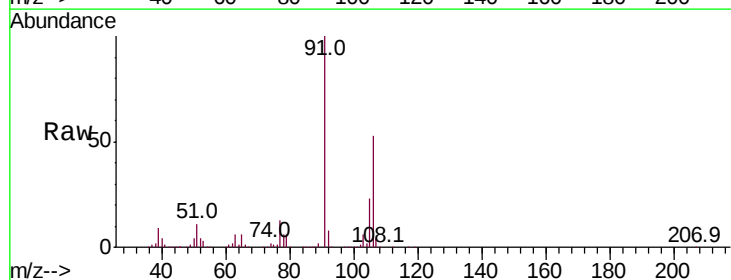
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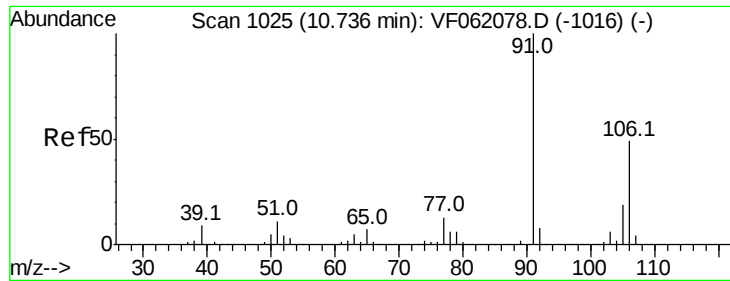
MMDadoda
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#68
m/p-Xylenes
Concen: 106.223 ug/l
RT: 10.12 min Scan# 963
Delta R.T. -0.04 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Tgt Ion: 106 Resp: 448030
Ion Ratio Lower Upper
106 100
91 189.1 154.4 231.6





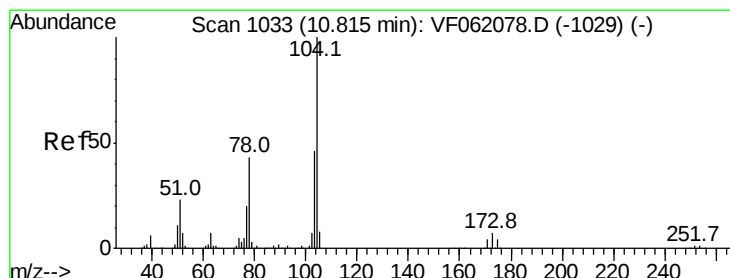
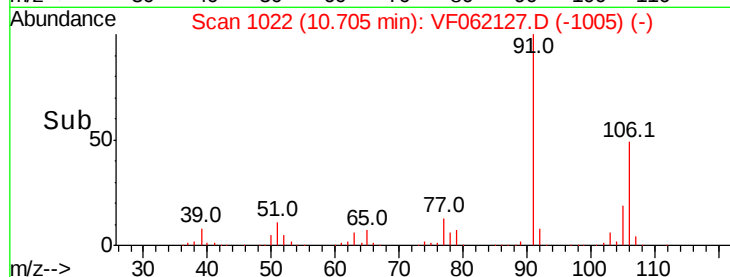
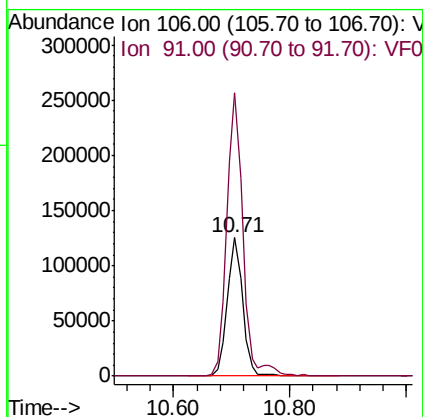
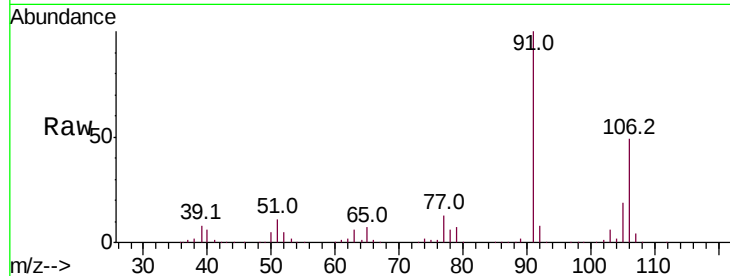
#69
o-Xylene
Concen: 52.524 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.03 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 232028
Ion Ratio Lower Upper
106 100
91 204.3 102.6 307.8

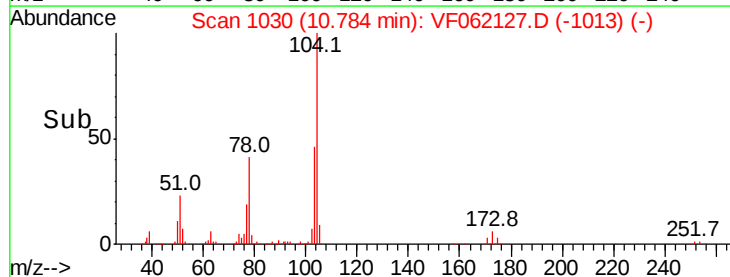
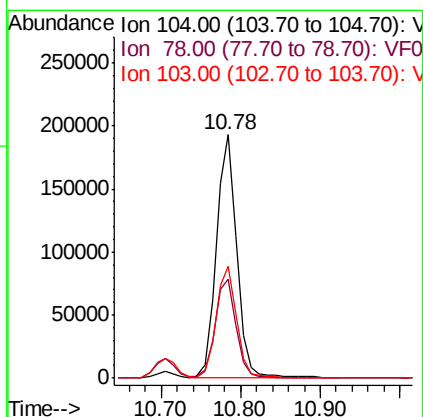
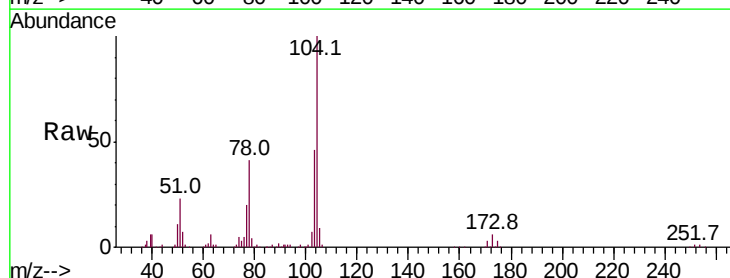
Manual Integrations
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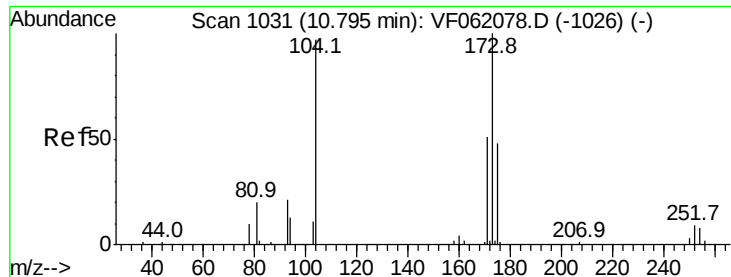
MMDadoda
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#70
Styrene
Concen: 52.196 ug/l
RT: 10.78 min Scan# 1030
Delta R.T. -0.03 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Tgt Ion:104 Resp: 349360
Ion Ratio Lower Upper
104 100
78 40.9 34.3 51.5
103 46.0 36.9 55.3





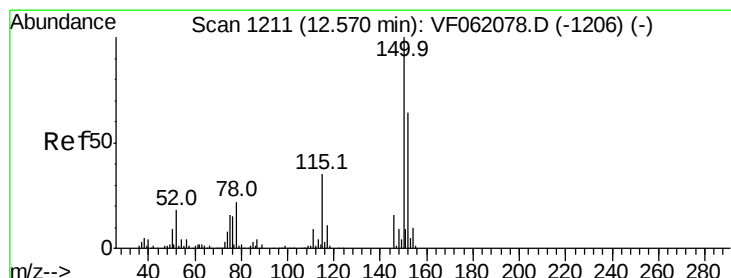
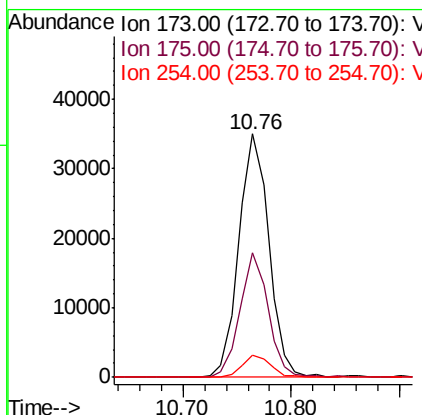
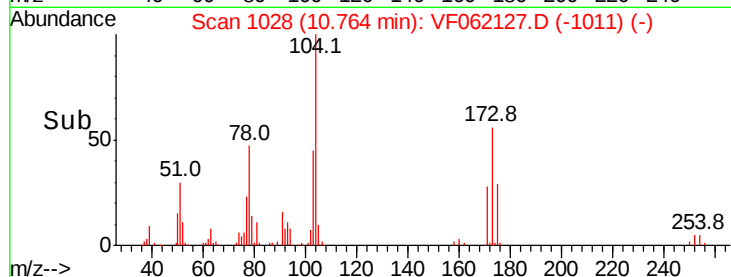
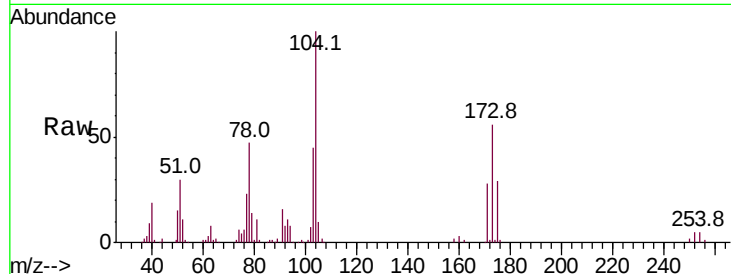
#71
Bromoform
Concen: 50.791 ug/l
RT: 10.76 min Scan# 1028
Delta R.T. -0.03 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.3	24.1	72.4
254	9.0	6.2	9.4

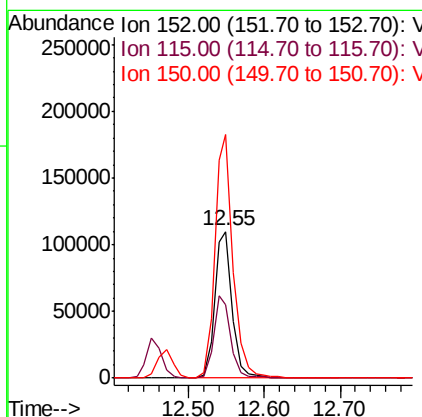
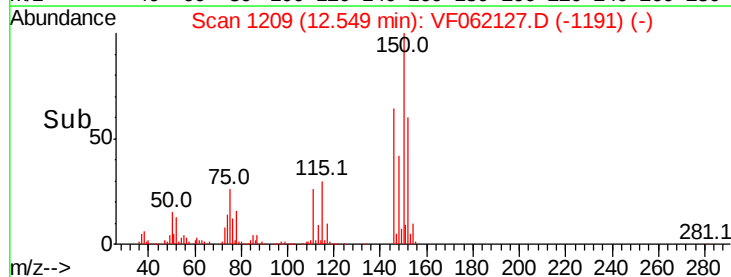
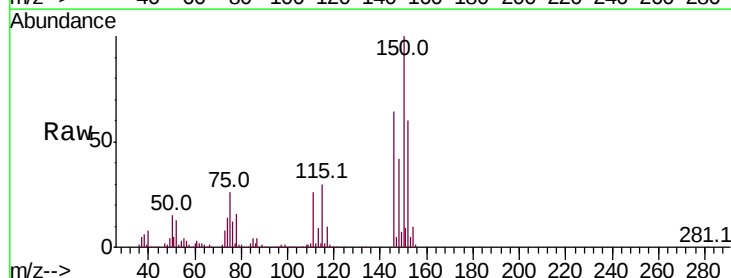
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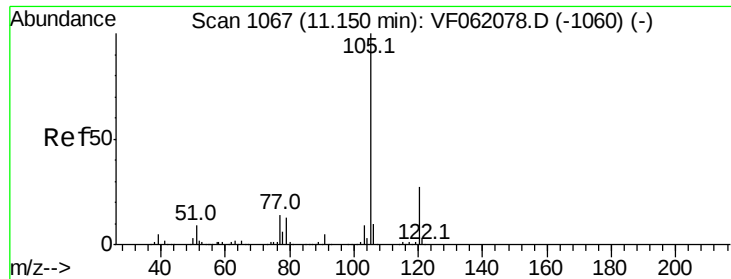
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.02 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	50.4	27.7	83.1
150	165.8	0.0	313.2





#73

Isopropylbenzene

Concen: 55.774 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.03 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 701218

Ion Ratio Lower Upper

105 100

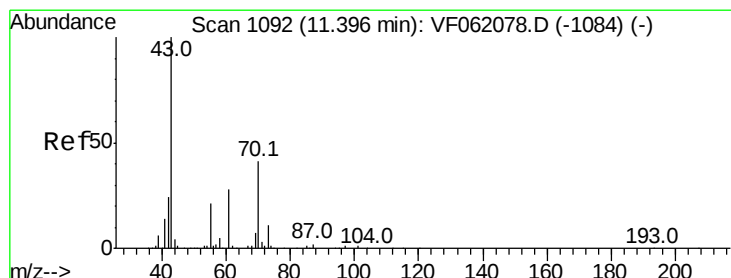
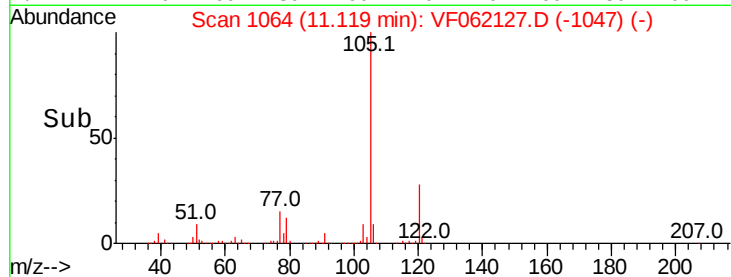
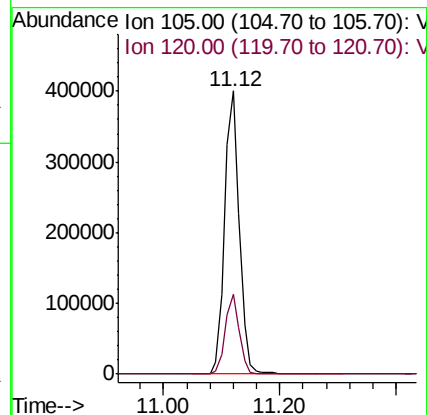
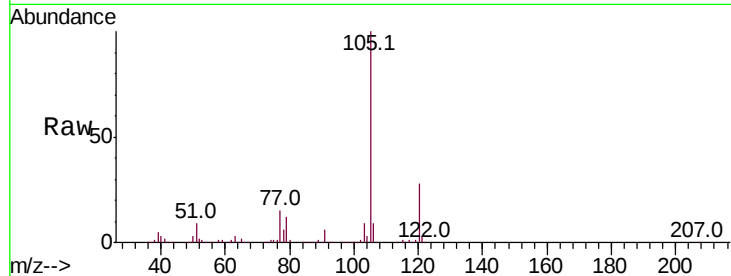
120 28.2 13.8 41.3

Manual Integrations

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MMDadoda

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#74

N-ethyl acetate

Concen: 52.700 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.03 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Tgt Ion: 43 Resp: 157874

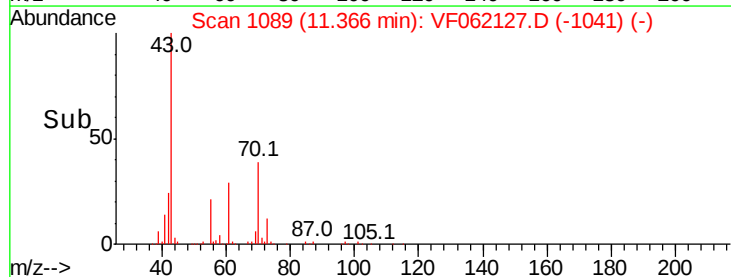
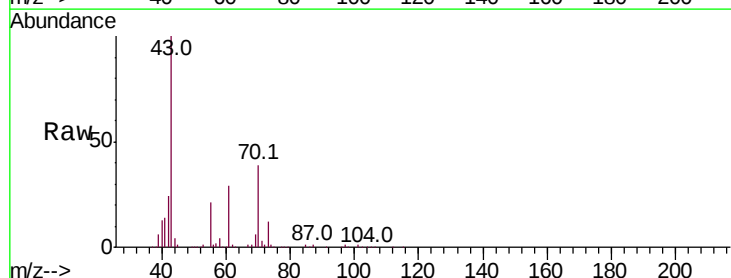
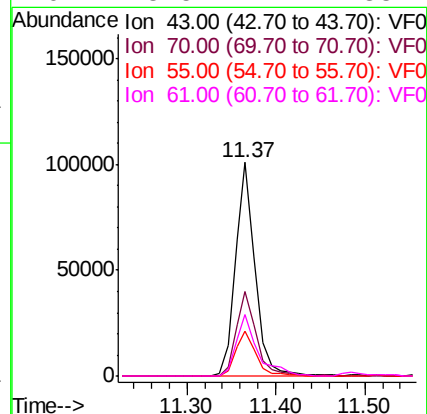
Ion Ratio Lower Upper

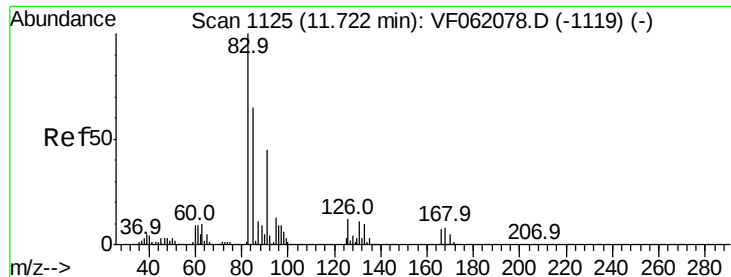
43 100

70 39.3 32.9 49.3

55 21.1 17.1 25.7

61 28.5 22.2 33.2





#75

1,1,2,2-Tetrachloroethane

Concen: 52.538 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.03 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

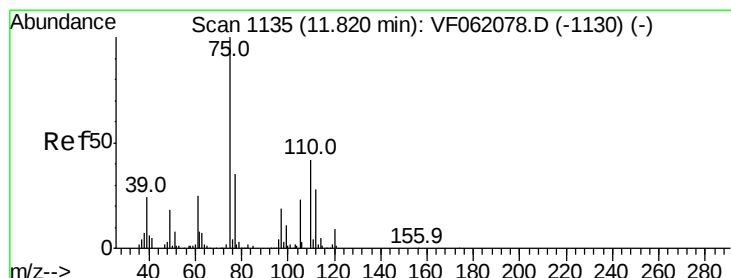
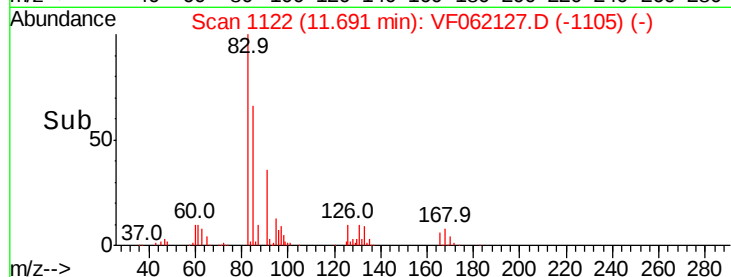
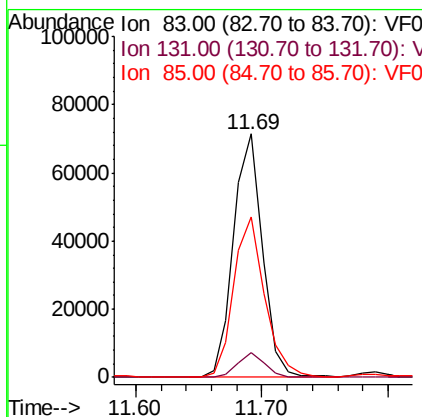
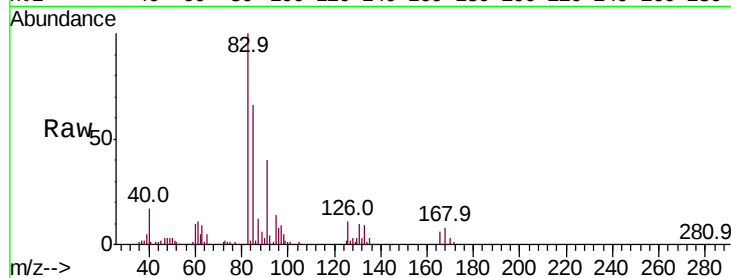
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	113415
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.3	15.8
85	65.8	32.6	98.0

Manual Integrations
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3/26/2019 3:59:13 PM



#76

1,2,3-Trichloropropane

Concen: 50.071 ug/l

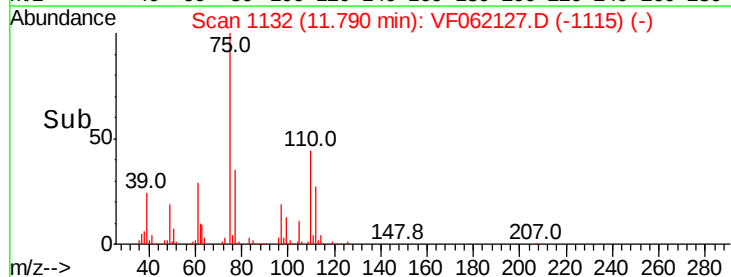
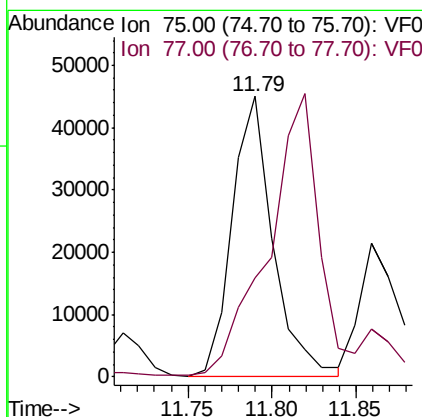
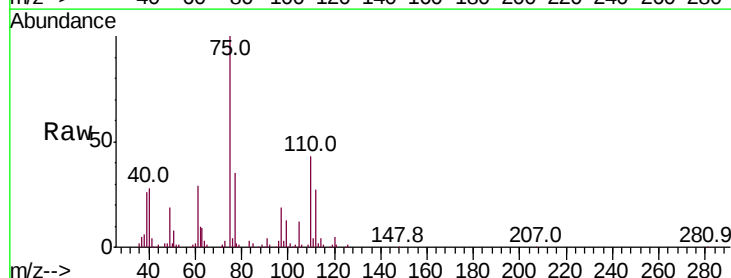
RT: 11.79 min Scan# 1132

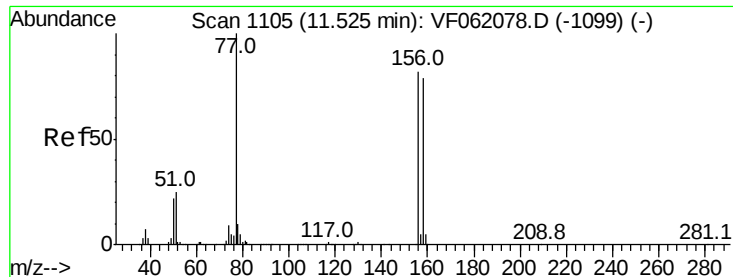
Delta R.T. -0.03 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Tgt Ion:	75	Resp:	76069
Ion Ratio	Lower	Upper	
75	100		
77	35.3	17.8	53.3





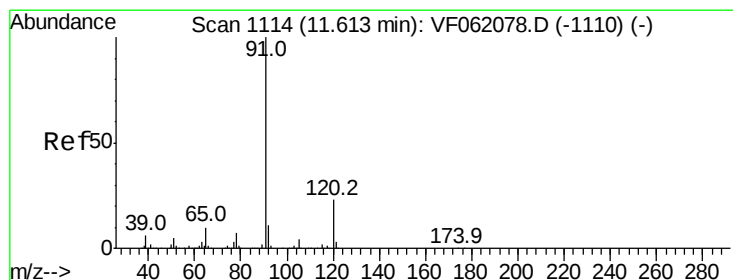
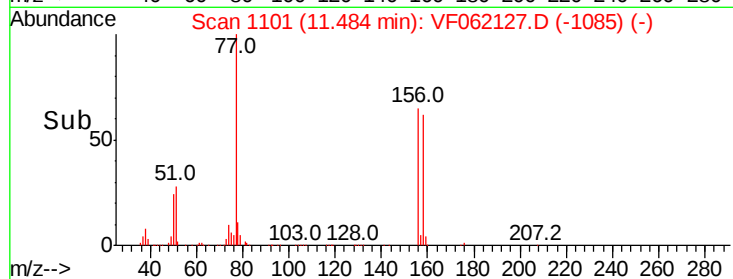
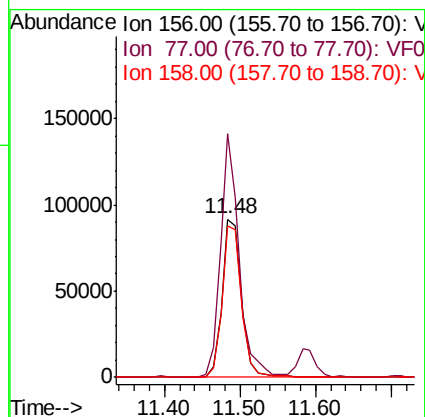
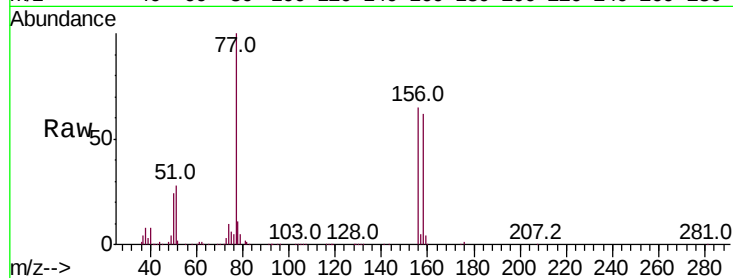
#77
Bromobenzene
Concen: 53.433 ug/l
RT: 11.48 min Scan# 1101
Delta R.T. -0.04 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	154.2	61.3	183.9
158	96.2	48.6	145.9

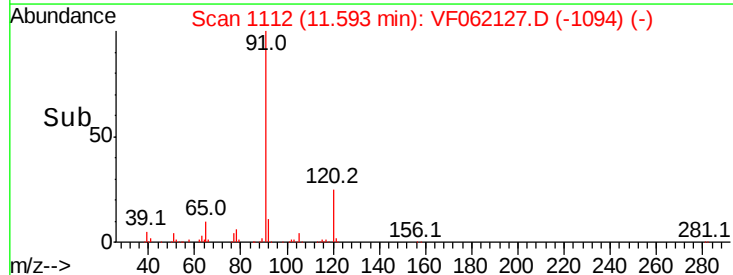
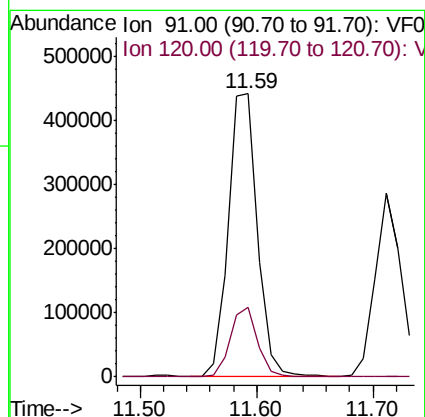
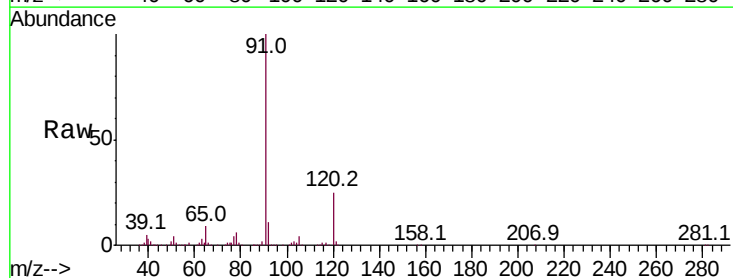
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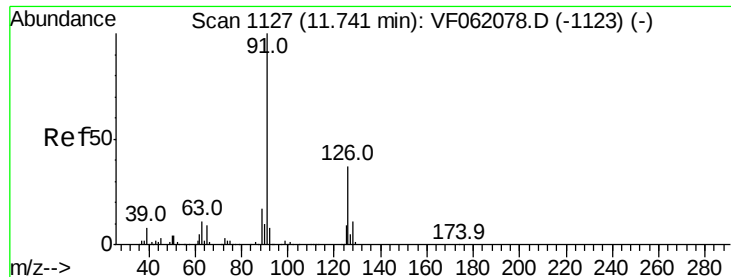
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#78
n-propylbenzene
Concen: 52.209 ug/l
RT: 11.59 min Scan# 1112
Delta R.T. -0.02 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.6	11.3	33.8





#79

2-Chlorotoluene

Concen: 54.243 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. -0.03 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 440150

Ion Ratio Lower Upper

91 100

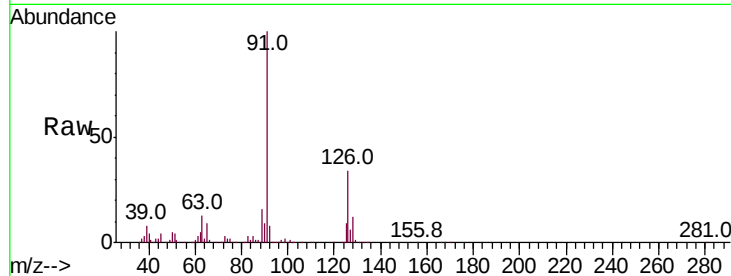
126 34.5 18.3 54.8

Manual Integrations

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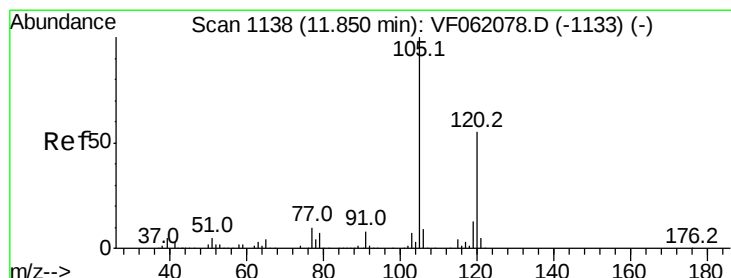
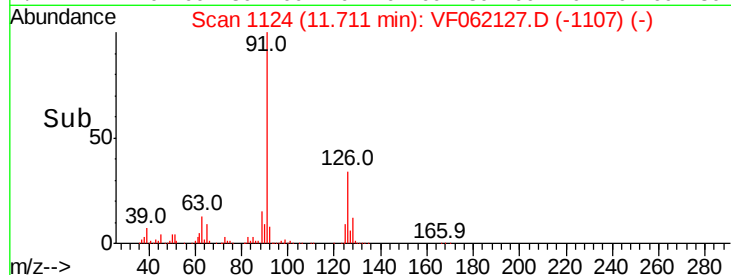
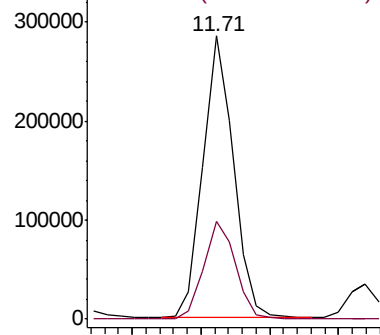
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 53.425 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.03 min

Lab File: VF062127.D

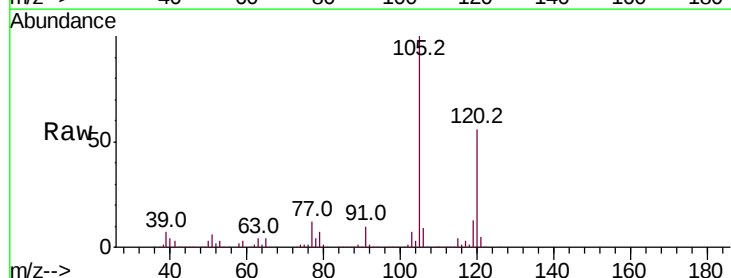
Acq: 25 Mar 2019 12:48

Tgt Ion:105 Resp: 552493

Ion Ratio Lower Upper

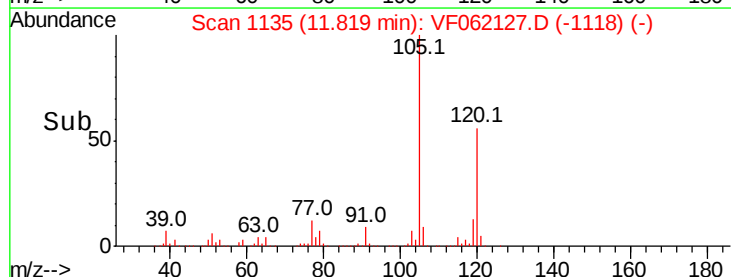
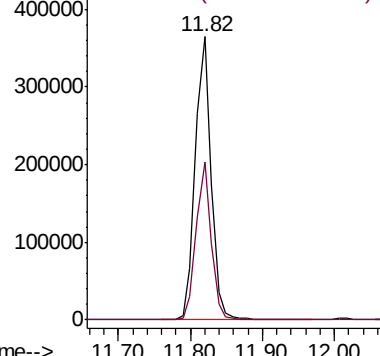
105 100

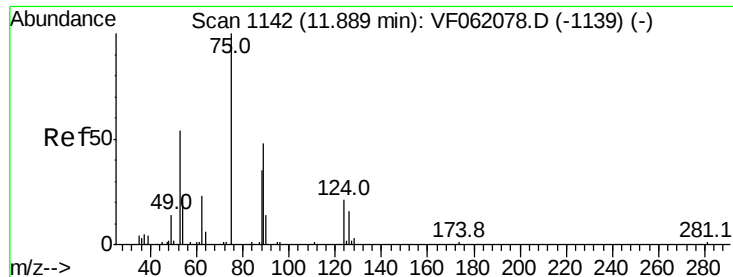
120 56.0 27.8 83.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 51.699 ug/l m

RT: 11.86 min Scan# 1139

Delta R.T. -0.03 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

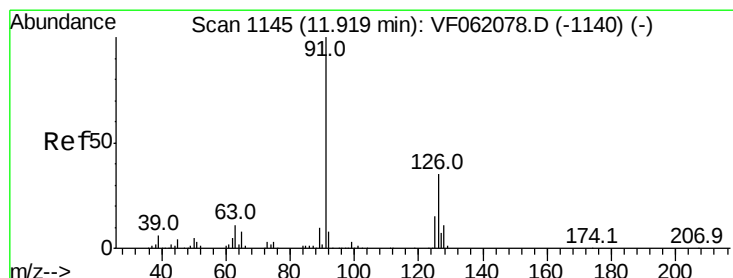
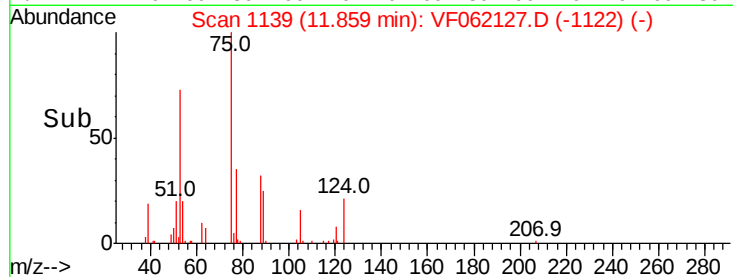
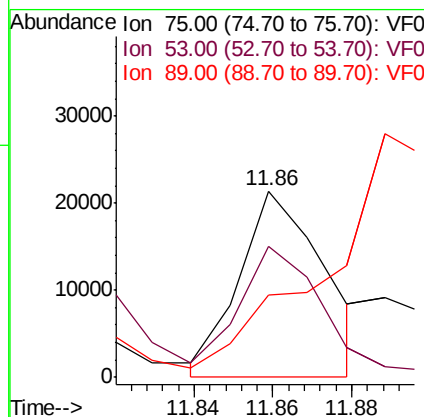
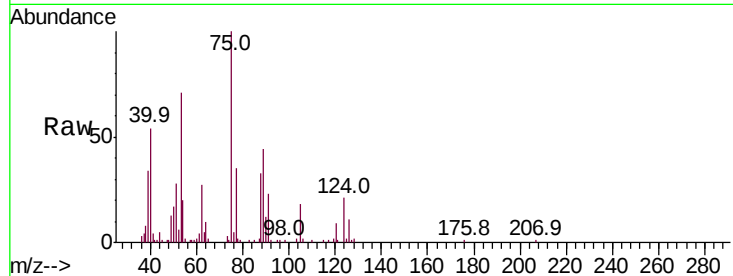
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	32004
Ion	Ratio	Lower	Upper
75	100		
53	70.5	49.4	74.0
89	44.3	40.6	60.8

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#82

4-Chlorotoluene

Concen: 53.036 ug/l

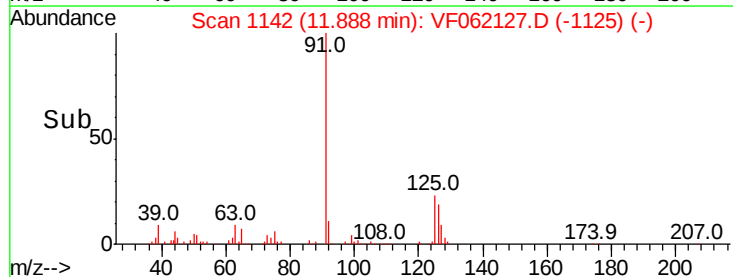
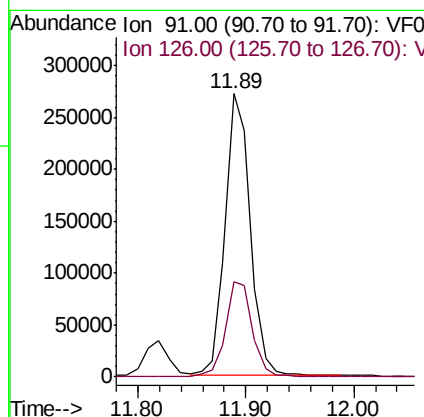
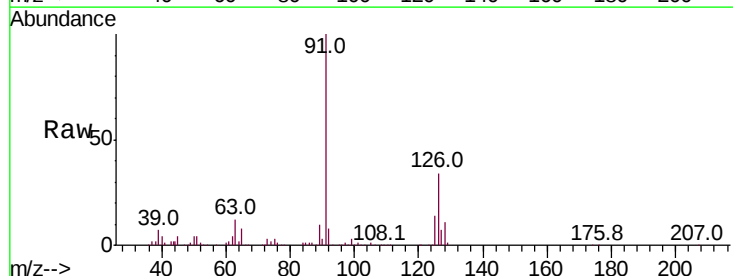
RT: 11.89 min Scan# 1142

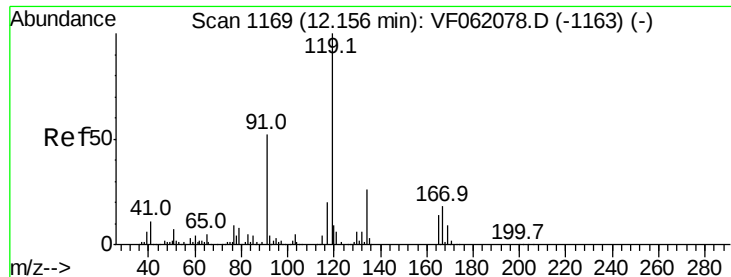
Delta R.T. -0.03 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Tgt Ion:	91	Resp:	441257
Ion	Ratio	Lower	Upper
91	100		
126	33.7	17.2	51.6





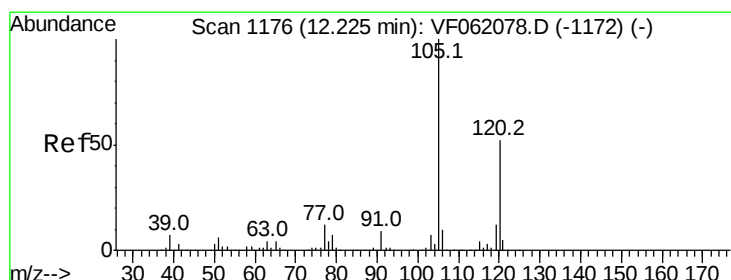
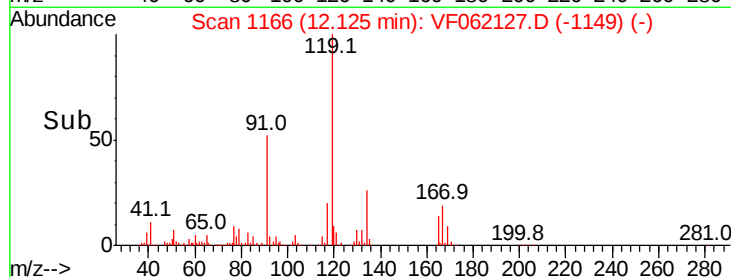
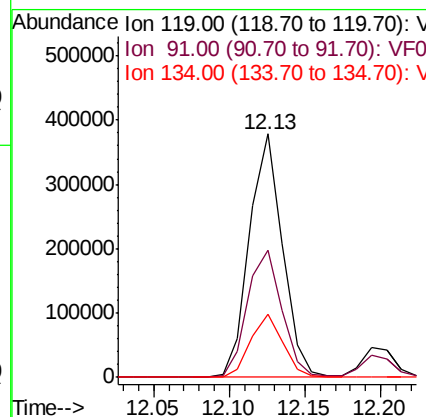
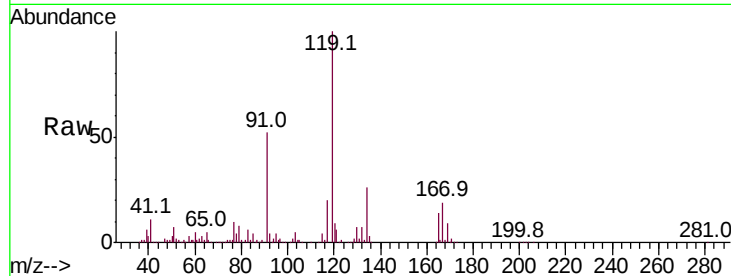
#83
tert-Butylbenzene
Concen: 53.881 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. -0.03 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	583292		
91	52.5	26.1	78.2	
134	25.8	12.8	38.4	

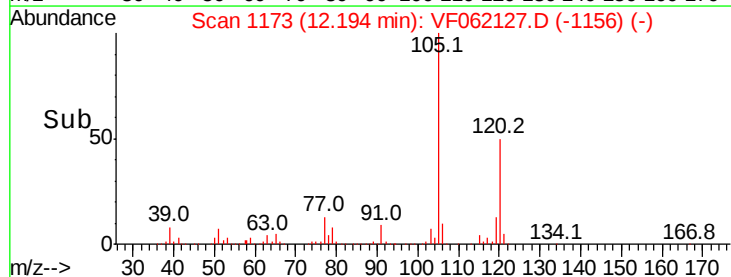
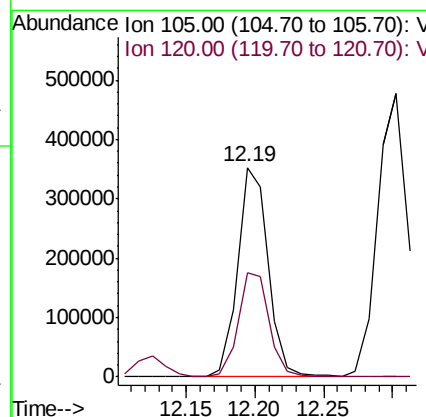
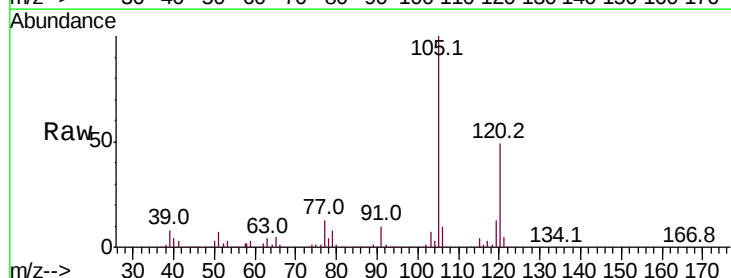
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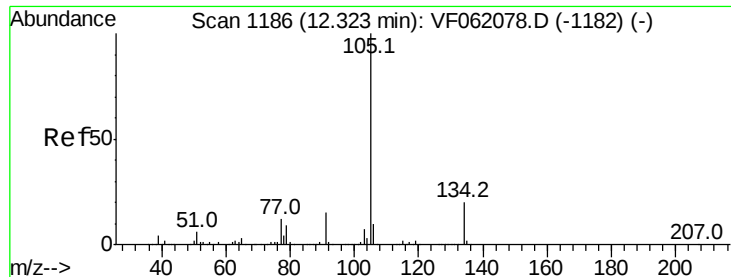
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#84
1,2,4-Trimethylbenzene
Concen: 53.397 ug/l
RT: 12.19 min Scan# 1173
Delta R.T. -0.03 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	541328		
120	49.4	26.1	78.2	





#85

sec-Butylbenzene

Concen: 52.283 ug/l

RT: 12.30 min Scan# 1184

Delta R.T. -0.02 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 732205

Ion Ratio Lower Upper

105 100

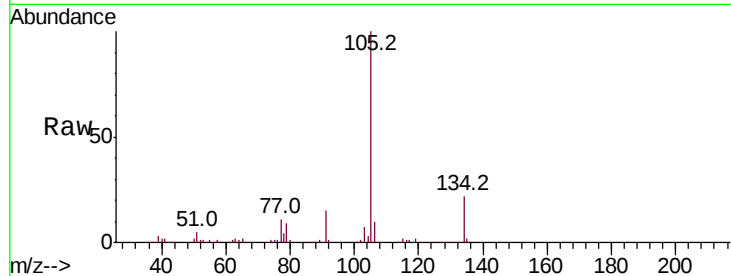
134 22.0 10.2 30.4

Manual Integrations

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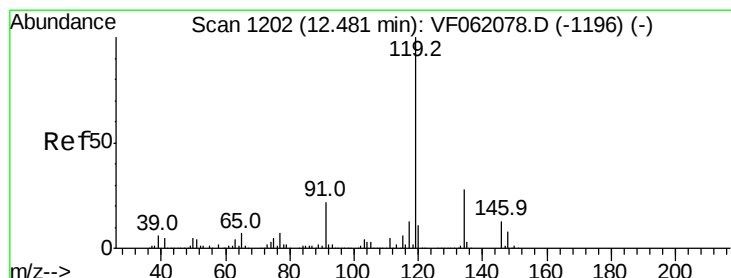
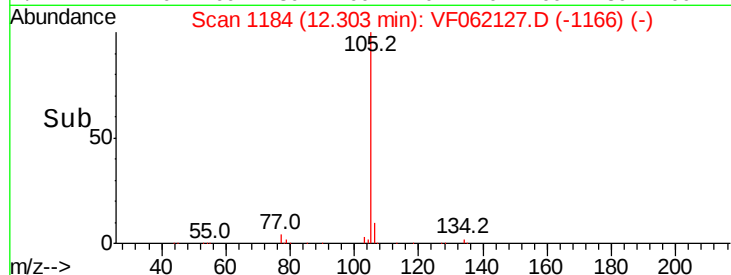
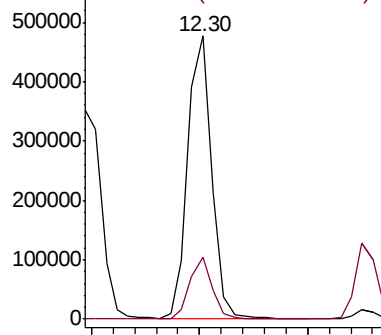
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.196 ug/l

RT: 12.45 min Scan# 1199

Delta R.T. -0.03 min

Lab File: VF062127.D

Acq: 25 Mar 2019 12:48

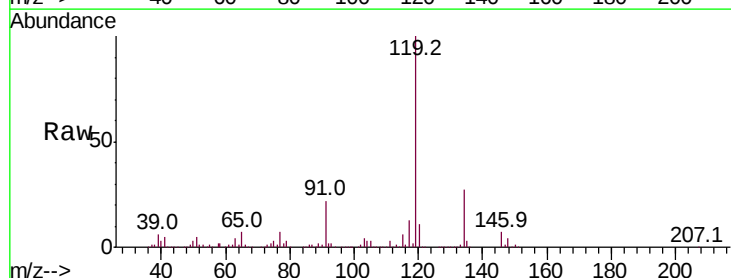
Tgt Ion:119 Resp: 657576

Ion Ratio Lower Upper

119 100

134 27.5 14.0 42.0

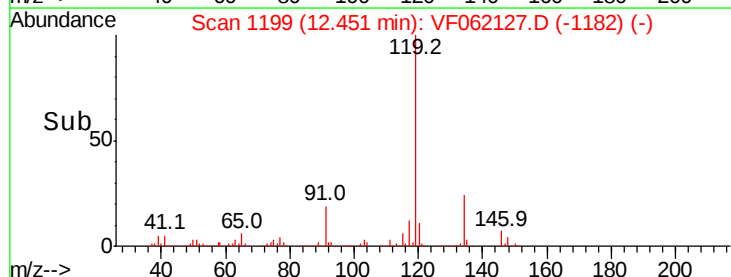
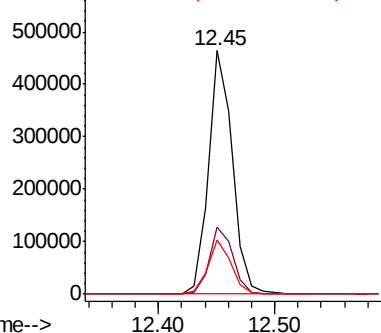
91 22.0 10.8 32.4

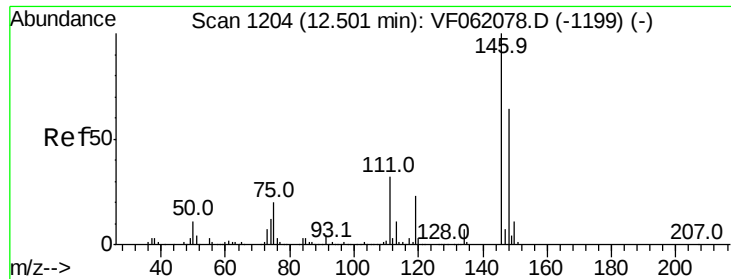


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





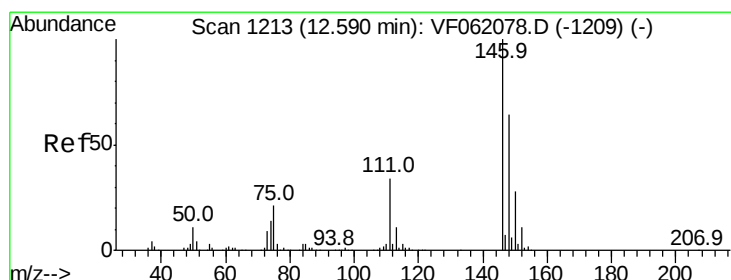
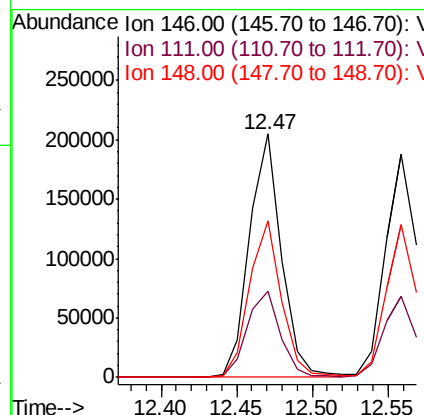
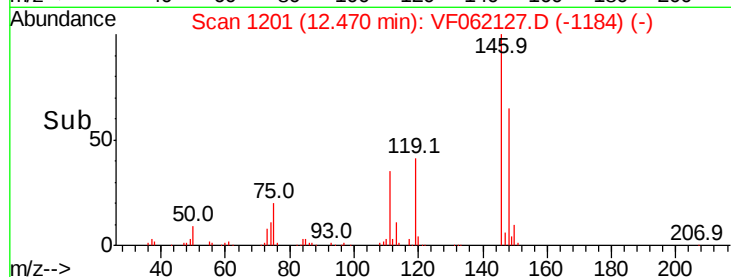
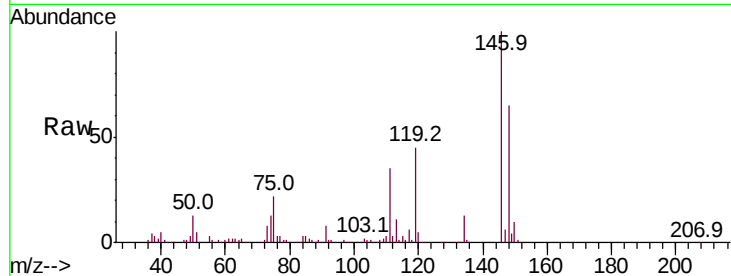
#87
 1,3-Dichlorobenzene
 Concen: 53.123 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.03 min
 Lab File: VF062127.D
 Acq: 25 Mar 2019 12:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	303163		
111	35.2	16.1	48.3	
148	64.6	31.9	95.7	

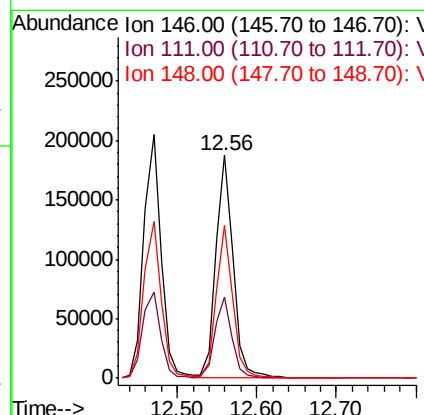
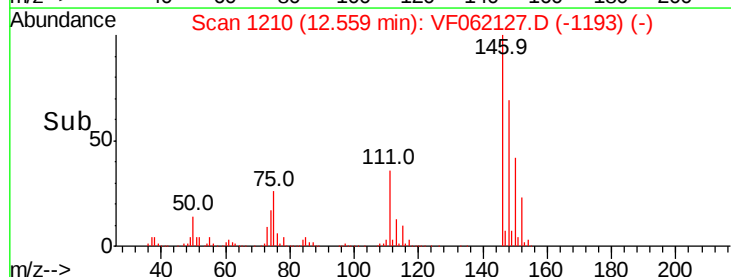
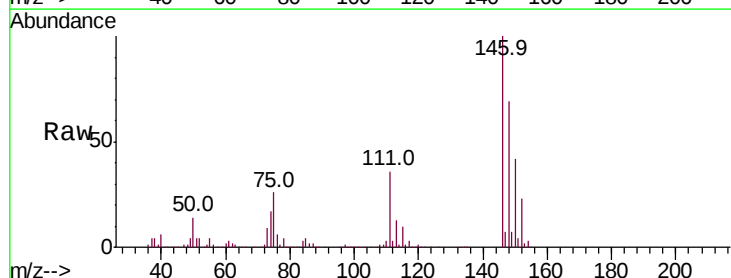
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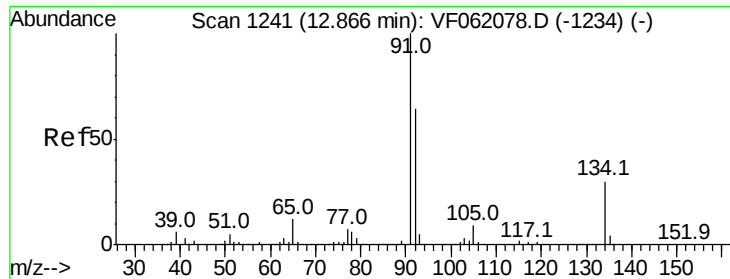
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#88
 1,4-Dichlorobenzene
 Concen: 51.723 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.03 min
 Lab File: VF062127.D
 Acq: 25 Mar 2019 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	288026		
111	36.3	16.9	50.6	
148	68.9	31.9	95.7	





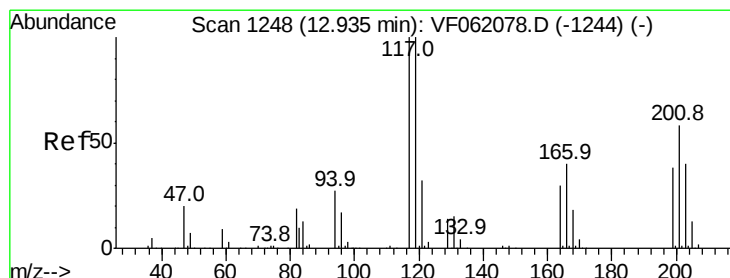
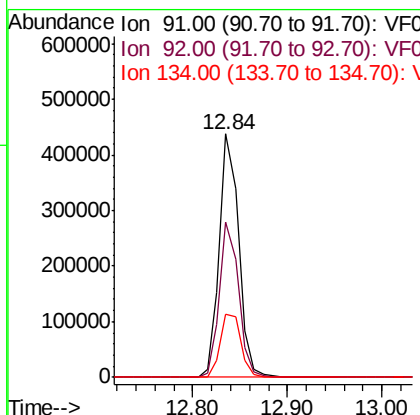
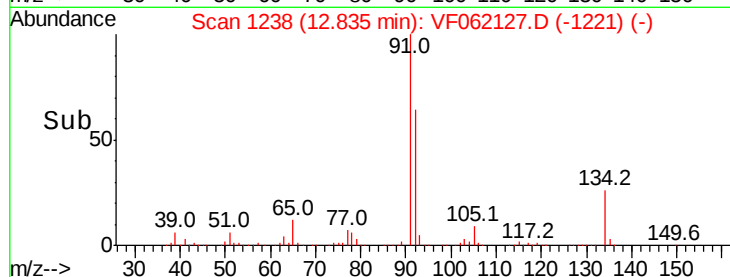
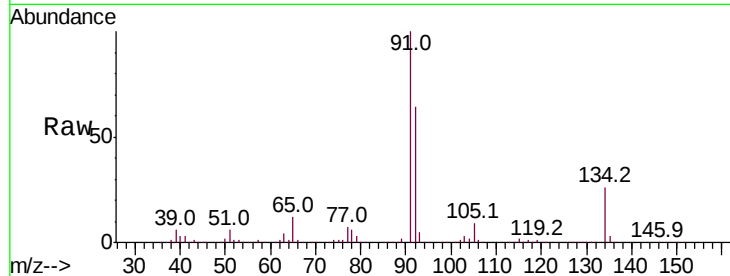
#89
n-Butylbenzene
Concen: 53.965 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.03 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	63.9	31.9	95.5
134	26.1	14.9	44.9

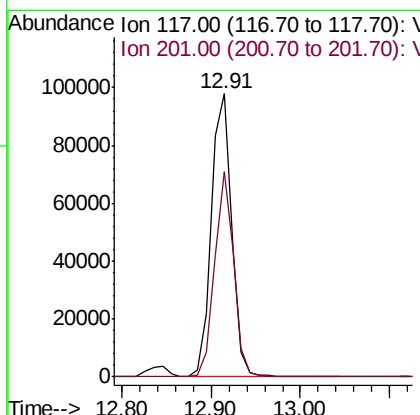
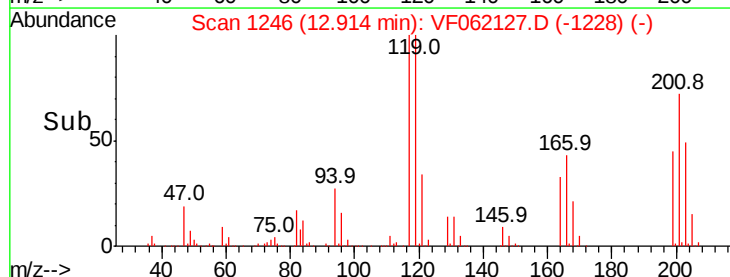
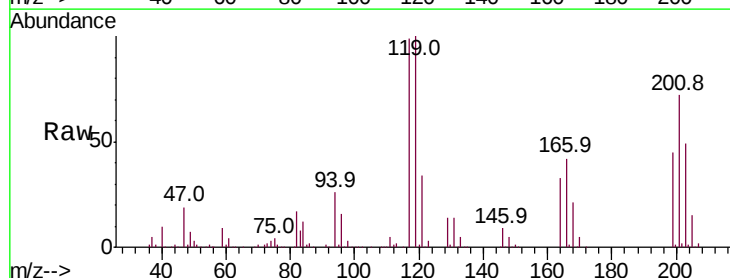
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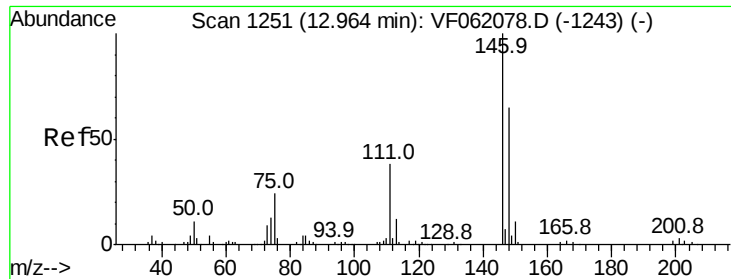
MMDadoda
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#90
Hexachloroethane
Concen: 53.437 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. -0.02 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.6	28.7	86.1





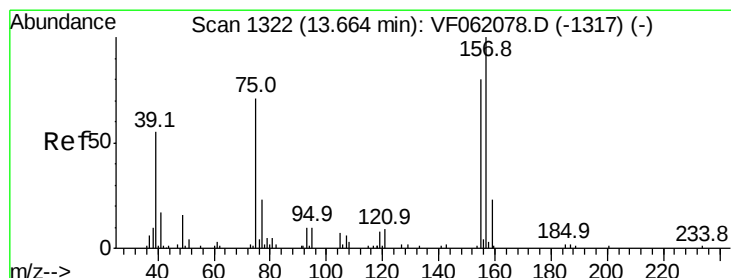
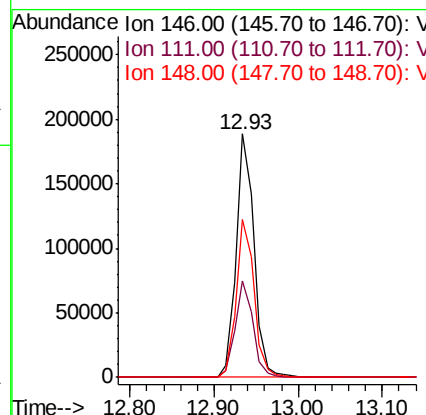
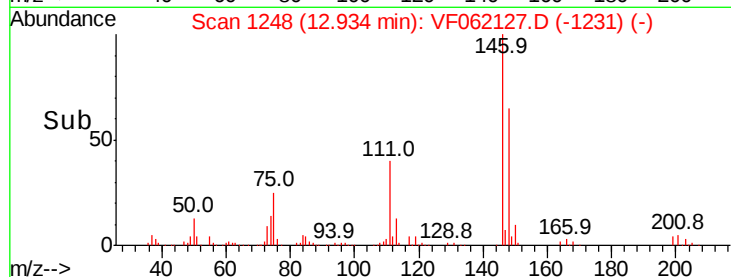
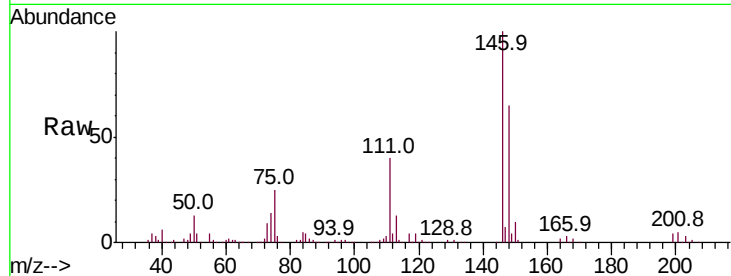
#91
 1,2-Dichlorobenzene
 Concen: 51.743 ug/l
 RT: 12.93 min Scan# 1248
 Delta R.T. -0.03 min
 Lab File: VF062127.D
 Acq: 25 Mar 2019 12:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.1	57.3
148	65.0	32.8	98.3

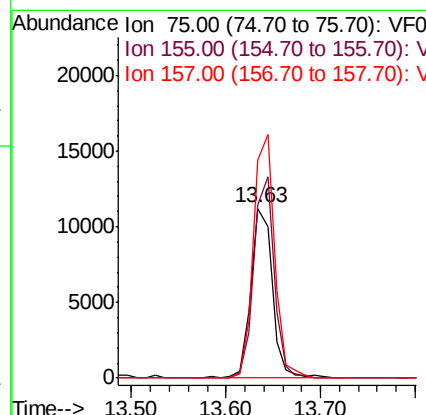
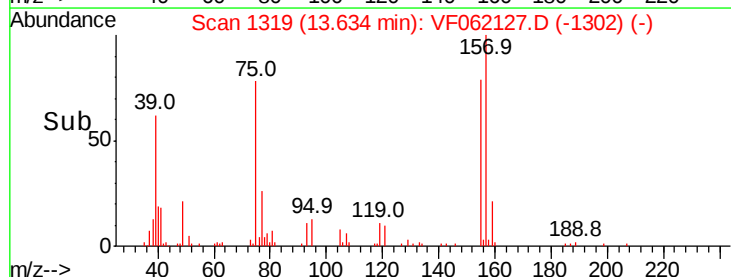
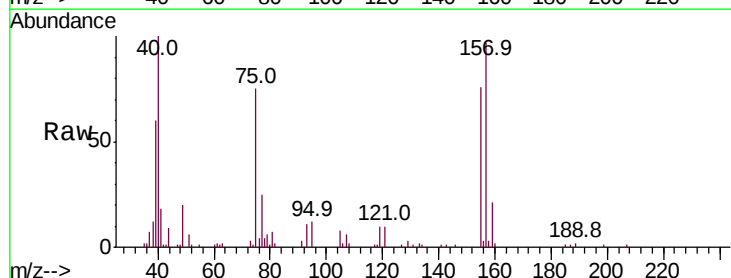
Manual Integrations
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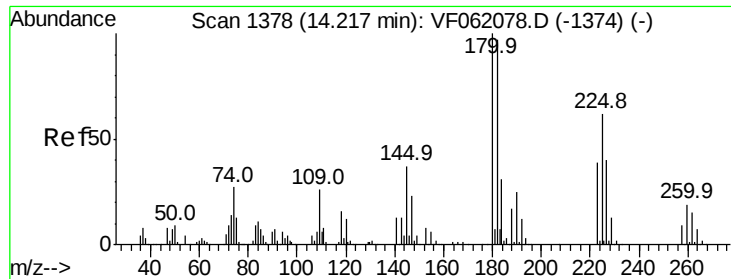
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.141 ug/l
 RT: 13.63 min Scan# 1319
 Delta R.T. -0.03 min
 Lab File: VF062127.D
 Acq: 25 Mar 2019 12:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.5	56.1	168.4
157	128.4	70.4	211.2





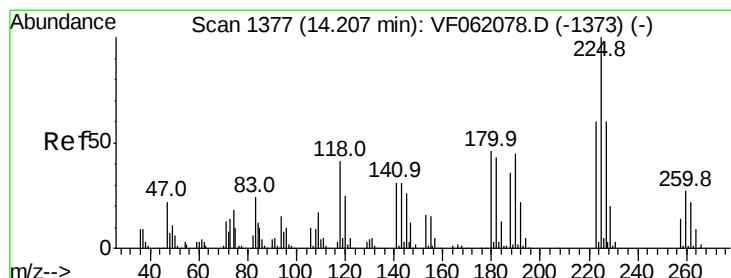
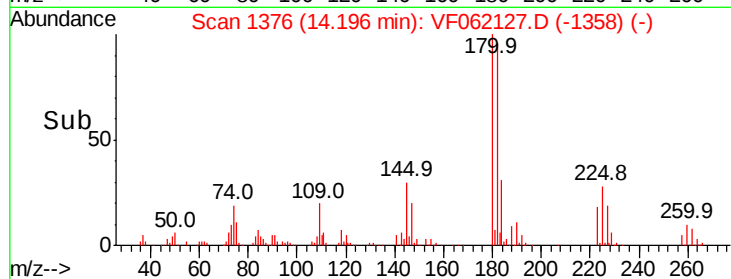
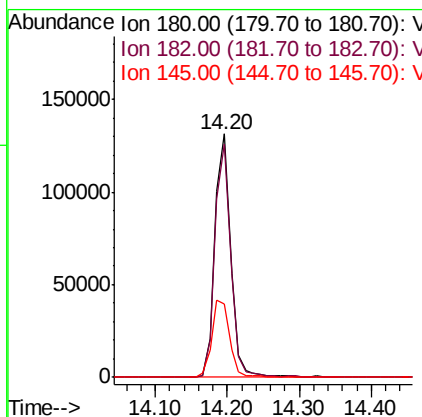
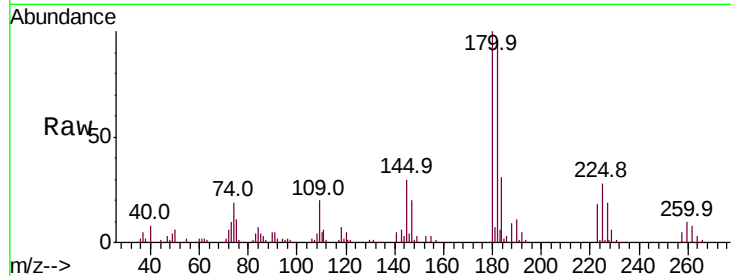
#93
 1,2,4-Trichlorobenzene
 Concen: 53.093 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.02 min
 Lab File: VF062127.D
 Acq: 25 Mar 2019 12:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	198285		
182	95.7	48.7	146.1	
145	30.2	18.3	54.8	

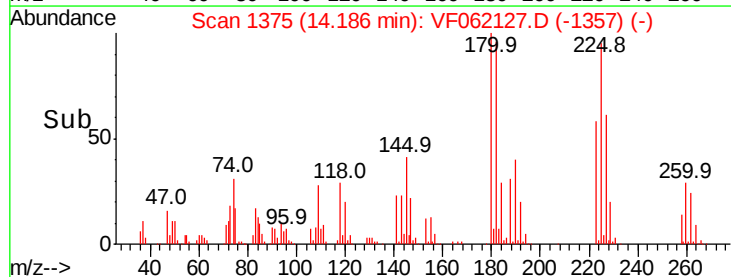
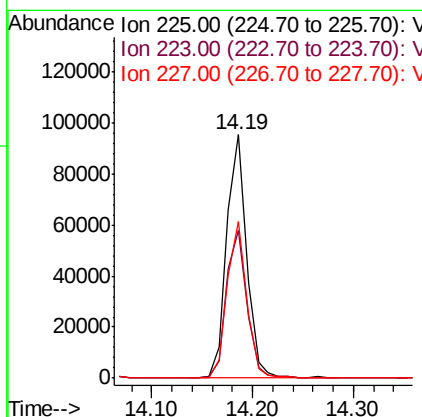
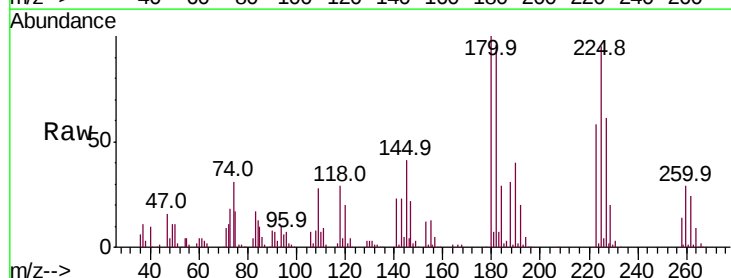
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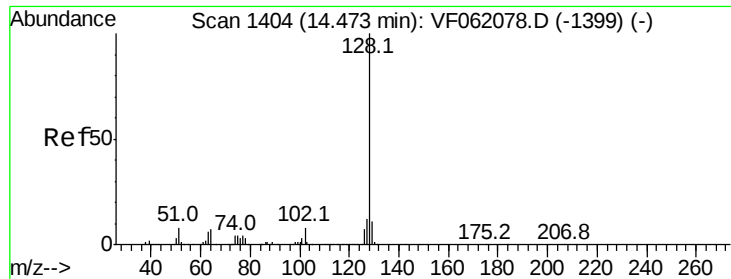
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#94
 Hexachlorobutadiene
 Concen: 53.013 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF062127.D
 Acq: 25 Mar 2019 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	131641		
223	60.8	30.0	90.0	
227	64.1	30.2	90.6	





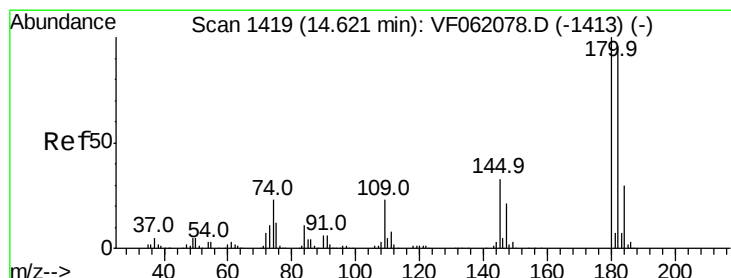
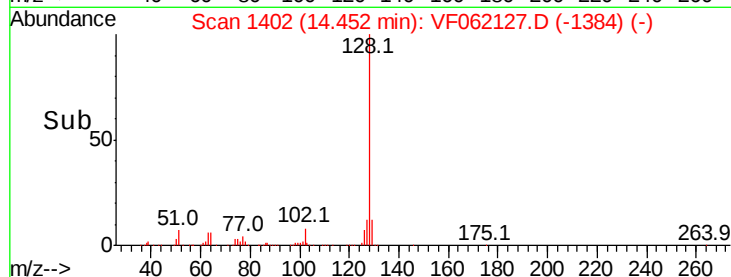
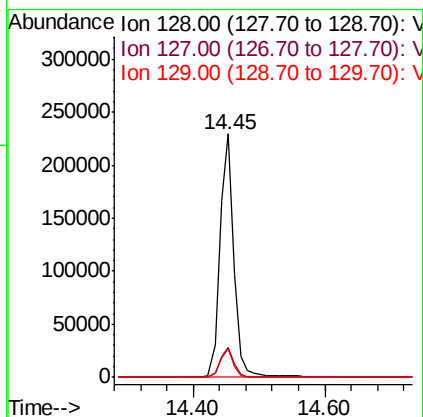
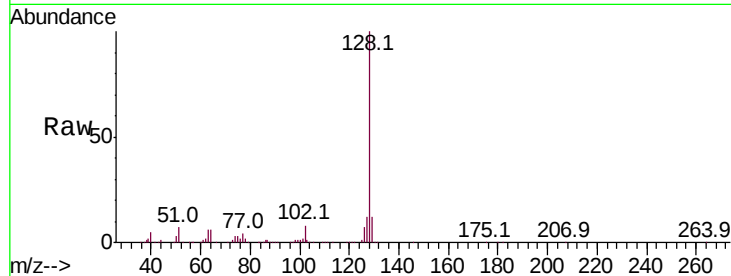
#95
Naphthalene
Concen: 51.637 ug/l
RT: 14.45 min Scan# 1402
Delta R.T. -0.02 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	337951		
127	12.1		9.5	14.3
129	11.8		8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 54.649 ug/l
RT: 14.60 min Scan# 1417
Delta R.T. -0.02 min
Lab File: VF062127.D
Acq: 25 Mar 2019 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	191044		
182	96.3		47.9	143.7
145	29.6		16.6	49.7

