

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF040419\
 Data File : VF062161.D
 Acq On : 4 Apr 2019 17:06
 Operator : FY/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Quant Time: Apr 05 05:10:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F040419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 04:46:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	203312	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.57	114	321906	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.75	117	260836	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	132408	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	130674	78.02	ug/l	0.00
Spiked Amount			Recovery	=	156.04%	
35) Dibromofluoromethane	4.09	113	131584	59.28	ug/l	0.00
Spiked Amount			Recovery	=	118.56%	
50) Toluene-d8	7.53	98	391387	59.51	ug/l	0.00
Spiked Amount			Recovery	=	119.02%	
62) 4-Bromofluorobenzene	11.39	95	151649	59.22	ug/l	0.00
Spiked Amount			Recovery	=	118.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	140990	53.247	ug/l	100
3) Chloromethane	1.09	50	120450	45.019	ug/l	100
4) Vinyl Chloride	1.13	62	118810	47.671	ug/l	100
5) Bromomethane	1.34	94	91092	50.083	ug/l	100
6) Chloroethane	1.38	64	66538	52.064	ug/l	100
7) Trichlorofluoromethane	1.48	101	175702	56.440	ug/l	100
8) Diethyl Ether	1.62	74	33696	48.757	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.82	101	102972	49.797	ug/l	100
10) Methyl Iodide	1.89	142	187652m	47.901	ug/l	
11) Tert butyl alcohol	2.56	59	25803	300.030	ug/l	100
12) 1,1-Dichloroethene	1.78	96	97451	49.755	ug/l	100
13) Acrolein	1.99	56	28605	281.869	ug/l	100
14) Allyl chloride	2.09	41	134630	61.535	ug/l	100
15) Acrylonitrile	2.92	53	72680	248.110	ug/l	100
16) Acetone	2.23	43	132934	386.712	ug/l	100
17) Carbon Disulfide	1.83	76	312416	52.146	ug/l	100
18) Methyl Acetate	2.33	43	44087	55.717	ug/l	100
19) Methyl tert-butyl Ether	2.41	73	184566	57.703	ug/l	100
20) Methylene Chloride	2.17	84	111046m	50.004	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	100791	53.036	ug/l	100
22) Diisopropyl ether	2.79	45	306283	54.519	ug/l	100
23) Vinyl Acetate	3.17	43	718129	306.071	ug/l	100
24) 1,1-Dichloroethane	2.86	63	182503	54.234	ug/l	100
25) 2-Butanone	4.31	43	199358	293.319	ug/l	100
26) 2,2-Dichloropropane	3.58	77	96392	67.601	ug/l	100
27) cis-1,2-Dichloroethene	3.46	96	124782	49.653	ug/l	100
28) Bromochloromethane	3.69	49	91608	64.852	ug/l	100
29) Tetrahydrofuran	4.05	42	78266	265.771	ug/l	100
30) Chloroform	3.83	83	216301	59.568	ug/l	100
31) Cyclohexane	3.66	56	170236	49.463	ug/l	100
32) 1,1,1-Trichloroethane	4.07	97	166229	71.548	ug/l	100
36) 1,1-Dichloropropene	4.25	75	177218	56.522	ug/l	100
37) Ethyl Acetate	4.09	43	72704	53.394	ug/l	100
38) Carbon Tetrachloride	3.96	117	135851	62.264	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	170443	48.935	ug/l	100
40) Benzene	4.61	78	389155	47.971	ug/l	100
41) Methacrylonitrile	4.71	41	40886	56.487	ug/l	100
42) 1,2-Dichloroethane	4.91	62	141179	67.910	ug/l	100
43) Isopropyl Acetate	6.93	43	81643	50.370	ug/l	100
44) Trichloroethene	5.49	130	121527	48.862	ug/l	100
45) 1,2-Dichloropropane	6.20	63	96669	49.583	ug/l	100
46) Dibromomethane	6.07	93	63848	52.919	ug/l	100
47) Bromodichloromethane	6.36	83	166573	60.370	ug/l	100
48) Methyl methacrylate	6.70	41	63164	64.718	ug/l	100
49) 1,4-Dioxane	6.69	88	8056	1020.056	ug/l	100
51) 4-Methyl-2-Pentanone	8.23	43	311172	280.244	ug/l	100
52) Toluene	7.60	92	249137	52.073	ug/l	100
53) t-1,3-Dichloropropene	8.25	75	135178	61.888	ug/l	100
54) cis-1,3-Dichloropropene	7.28	75	165294	54.682	ug/l	100
55) 1,1,2-Trichloroethane	8.47	97	68864	51.259	ug/l	100
56) Ethyl methacrylate	8.60	69	92128	56.366	ug/l	100
57) 1,3-Dichloropropane	8.83	76	115217	51.703	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.27	63	68050	277.252	ug/l	100
59) 2-Hexanone	9.46	43	240095	297.042	ug/l	100
60) Dibromochloromethane	8.70	129	103654	54.763	ug/l	100
61) 1,2-Dibromoethane	8.96	107	75293	52.589	ug/l	100
64) Tetrachloroethene	8.13	164	99249	49.404	ug/l	100
65) Chlorobenzene	9.77	112	261076	53.014	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.91	131	114747	57.097	ug/l	100
67) Ethyl Benzene	9.88	91	507403	57.920	ug/l	100
68) m/p-Xylenes	10.10	106	368186	112.948	ug/l	100
69) o-Xylene	10.69	106	183056	54.823	ug/l	100
70) Styrene	10.76	104	278804	54.086	ug/l	100
71) Bromoform	10.75	173	59015	57.192	ug/l	100
73) Isopropylbenzene	11.11	105	525355	55.499	ug/l	100
74) N-amyl acetate	11.35	43	140576	61.209	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.68	83	81721	51.367	ug/l	100
76) 1,2,3-Trichloropropane	11.78	75	65476	56.546	ug/l	100
77) Bromobenzene	11.47	156	114349	50.130	ug/l	100
78) n-propylbenzene	11.57	91	639402	57.460	ug/l	100
79) 2-Chlorotoluene	11.70	91	357394	57.945	ug/l	100
80) 1,3,5-Trimethylbenzene	11.81	105	473864	59.874	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.85	75	29825m	62.781	ug/l	100
82) 4-Chlorotoluene	11.88	91	378695	59.148	ug/l	100
83) tert-Butylbenzene	12.11	119	475360	57.912	ug/l	100
84) 1,2,4-Trimethylbenzene	12.19	105	451500	58.330	ug/l	100
85) sec-Butylbenzene	12.29	105	590294	55.822	ug/l	100
86) p-Isopropyltoluene	12.45	119	543653	58.335	ug/l	100
87) 1,3-Dichlorobenzene	12.46	146	230735	53.602	ug/l	100
88) 1,4-Dichlorobenzene	12.55	146	219994	53.043	ug/l	100
89) n-Butylbenzene	12.83	91	520638	58.895	ug/l	100
90) Hexachloroethane	12.90	117	123898	56.945	ug/l	100
91) 1,2-Dichlorobenzene	12.92	146	207323	51.993	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.63	75	16288	64.354	ug/l	100

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Quant Title : SW846 8260
QLast Update : Fri Apr 05 04:46:45 2019
Response via : Initial Calibration

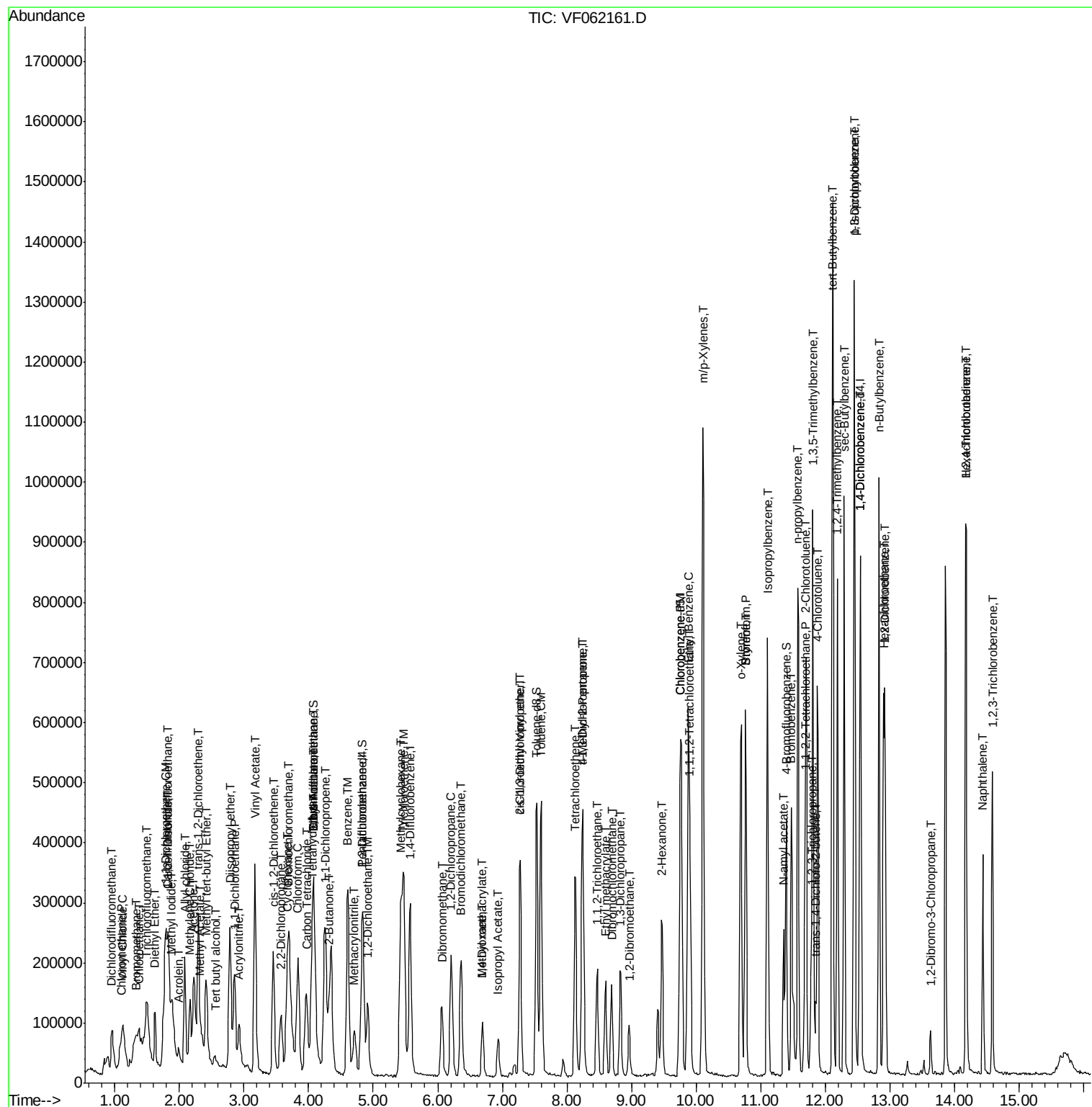
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	148390	52.833	ug/l	100
94) Hexachlorobutadiene	14.17	225	99231	53.486	ug/l	100
95) Naphthalene	14.44	128	248783	51.772	ug/l	100
96) 1,2,3-Trichlorobenzene	14.58	180	129295	50.205	ug/l	100

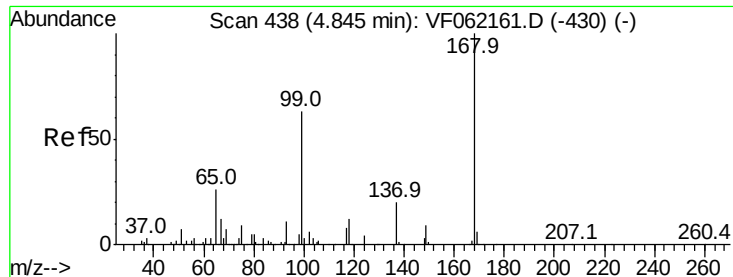
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 438

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

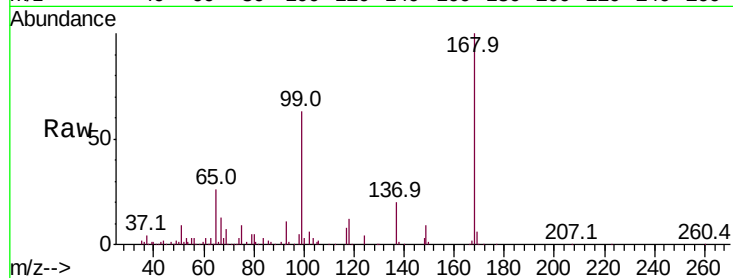
VSTDICCC050

Tot Ion:168 Resp: 203312

Ion Ratio Lower Upper

168 100

99 63.1 50.5 75.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.84

60000

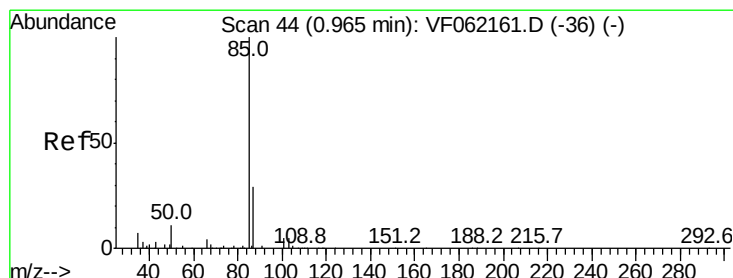
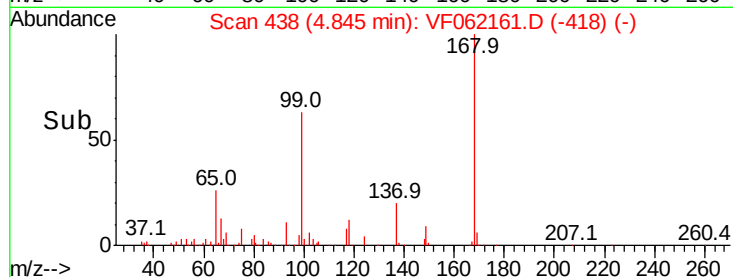
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 53.247 ug/l

RT: 0.96 min Scan# 44

Delta R.T. 0.00 min

Lab File: VF062161.D

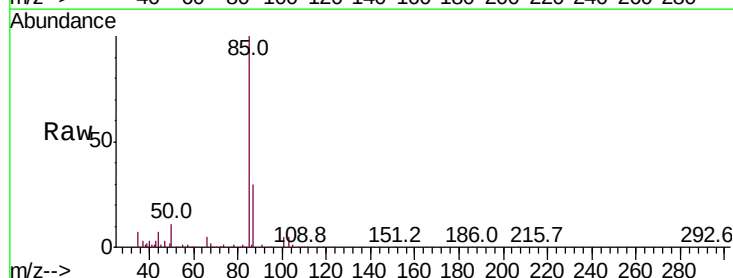
Acq: 4 Apr 2019 17:06

Tgt Ion: 85 Resp: 140990

Ion Ratio Lower Upper

85 100

87 29.7 14.9 44.5



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

50000

40000

30000

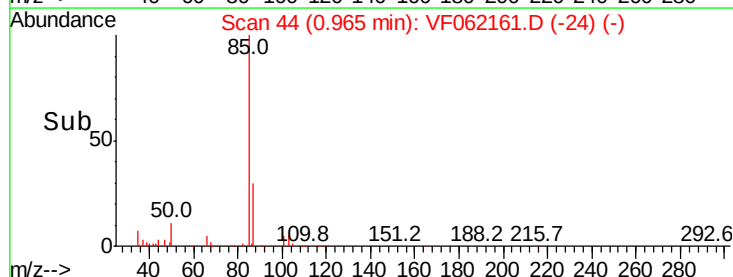
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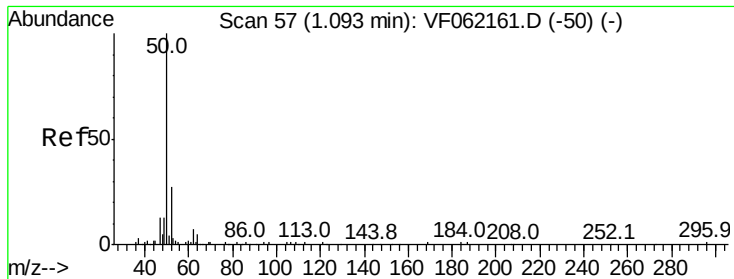
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0

Time-->

0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 45.019 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

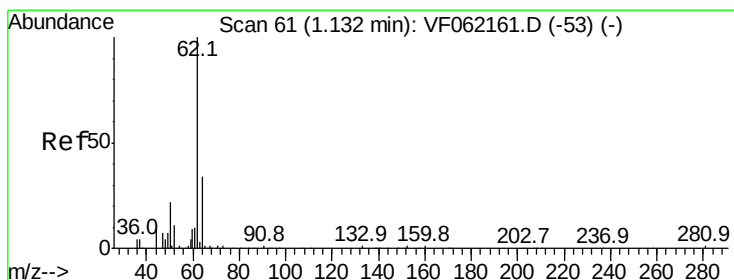
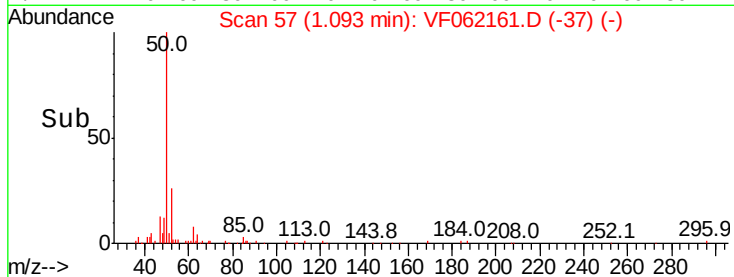
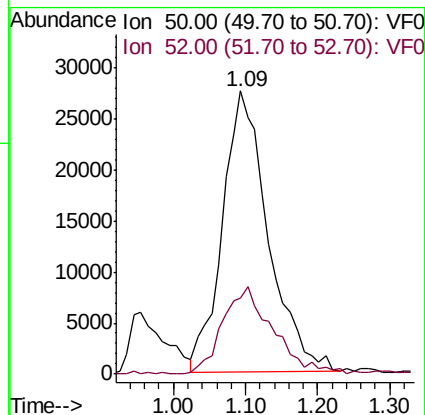
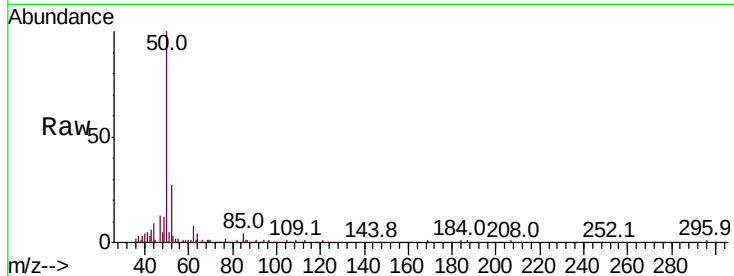
VSTDICCC050

Tot Ion: 50 Resp: 120450

Ion Ratio Lower Upper

50 100

52 26.7 21.4 32.0



#4

Vinyl Chloride

Concen: 47.671 ug/l

RT: 1.13 min Scan# 61

Delta R.T. 0.00 min

Lab File: VF062161.D

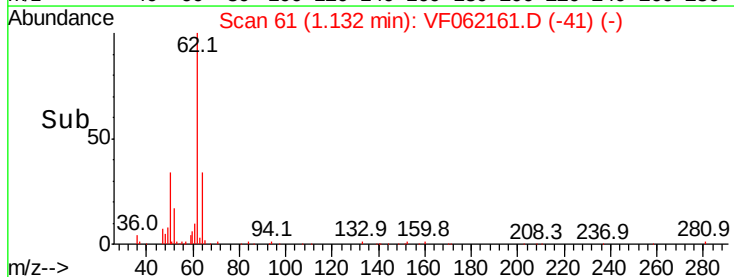
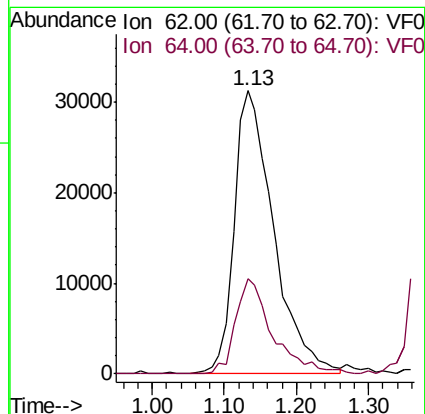
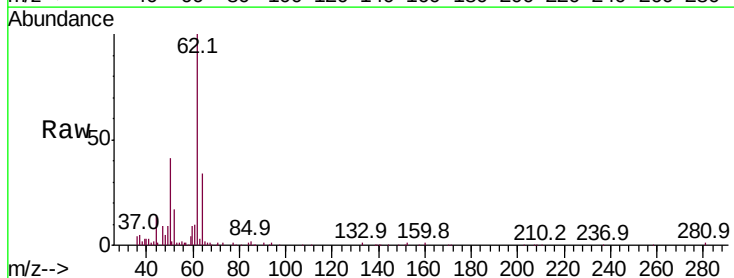
Acq: 4 Apr 2019 17:06

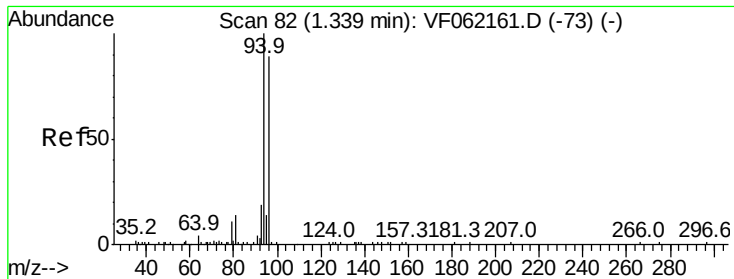
Tgt Ion: 62 Resp: 118810

Ion Ratio Lower Upper

62 100

64 33.7 27.0 40.4





#5

Bromomethane

Concen: 50.083 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

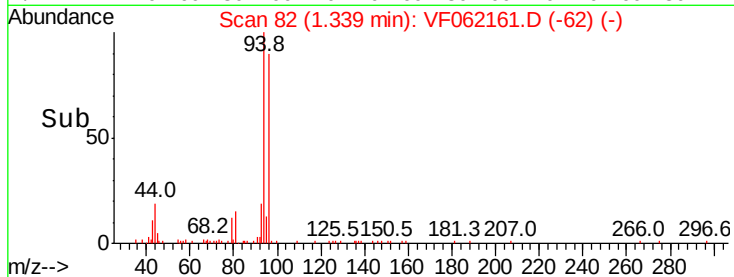
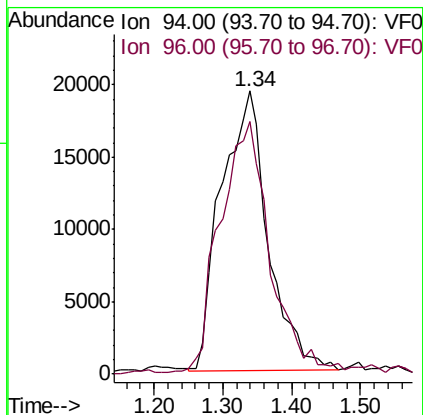
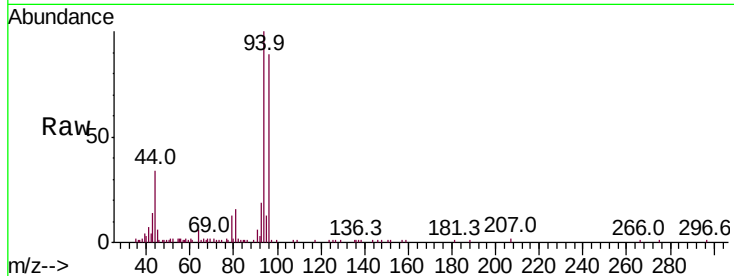
VSTDICCC050

Tot Ion: 94 Resp: 91092

Ion Ratio Lower Upper

94 100

96 89.1 71.3 106.9



#6

Chloroethane

Concen: 52.064 ug/l

RT: 1.38 min Scan# 86

Delta R.T. 0.00 min

Lab File: VF062161.D

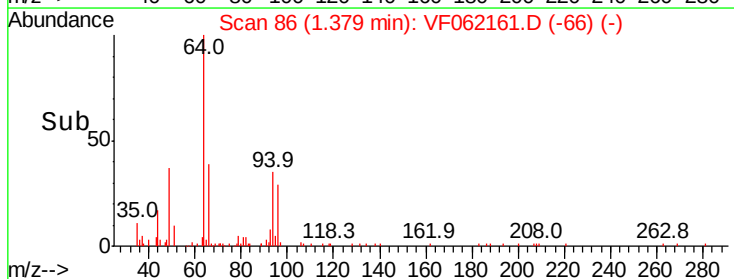
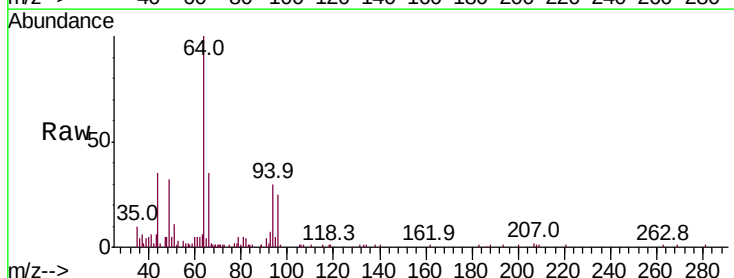
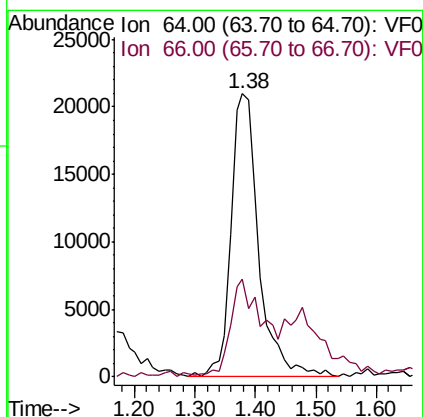
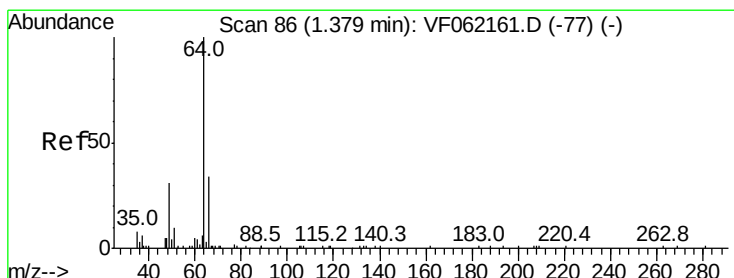
Acq: 4 Apr 2019 17:06

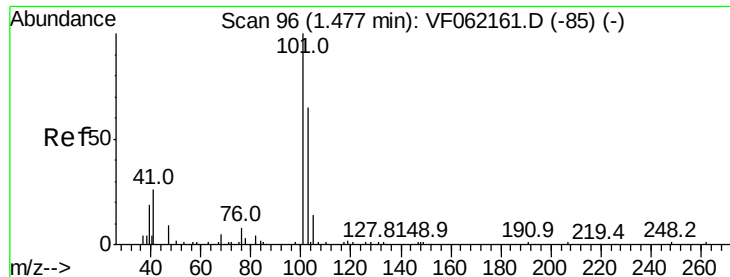
Tgt Ion: 64 Resp: 66538

Ion Ratio Lower Upper

64 100

66 34.7 27.8 41.6





#7

Trichlorofluoromethane

Concen: 56.440 ug/l

RT: 1.48 min Scan# 96

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

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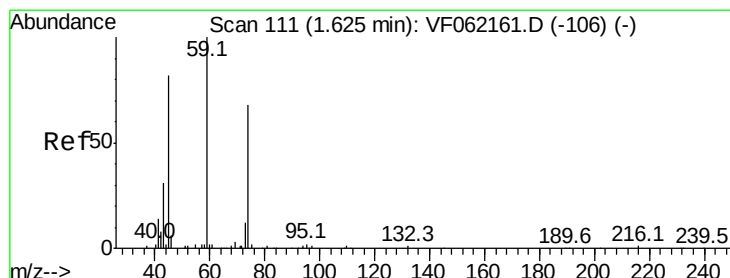
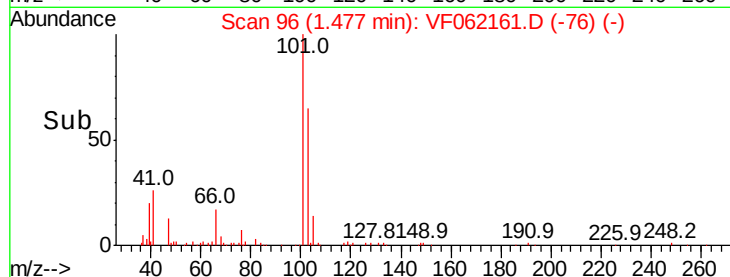
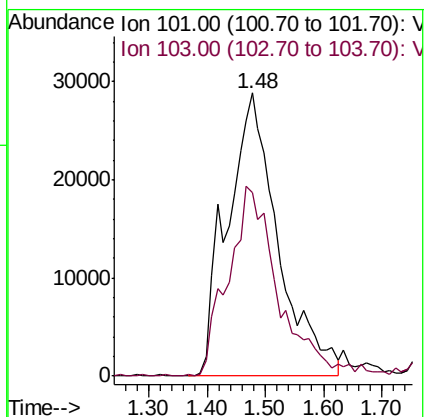
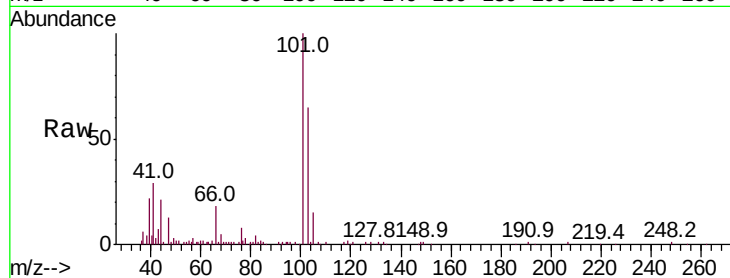
VSTDICCC050

Tot Ion:101 Resp: 175702

Ion Ratio Lower Upper

101 100

103 65.0 52.0 78.0



#8

Diethyl Ether

Concen: 48.757 ug/l

RT: 1.62 min Scan# 111

Delta R.T. 0.00 min

Lab File: VF062161.D

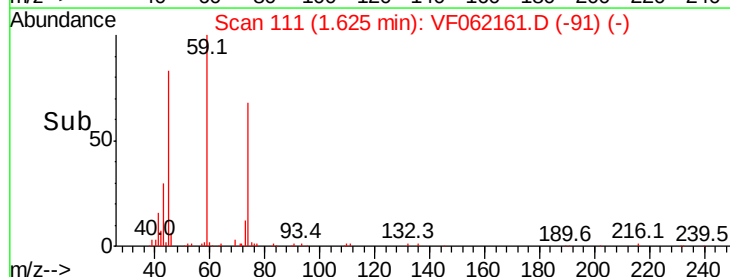
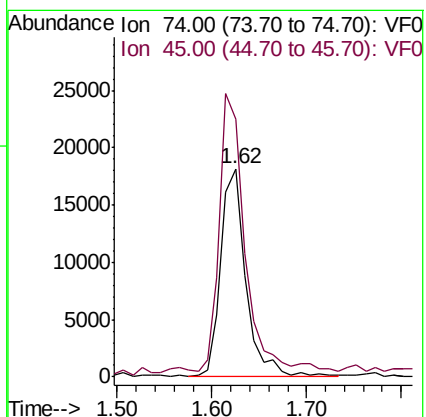
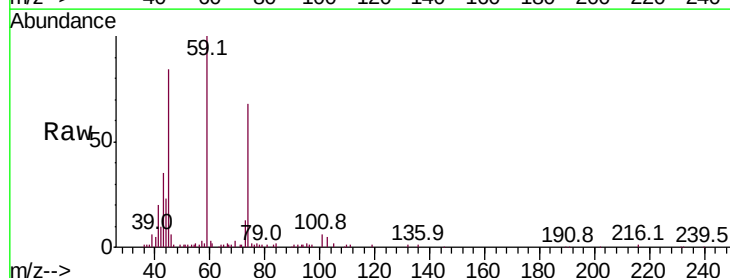
Acq: 4 Apr 2019 17:06

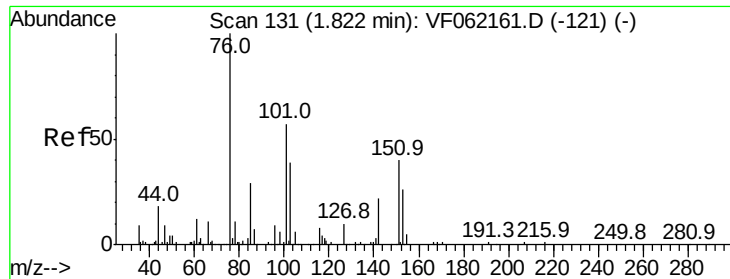
Tgt Ion: 74 Resp: 33696

Ion Ratio Lower Upper

74 100

45 123.7 61.9 185.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.797 ug/l

RT: 1.82 min Scan# 131

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

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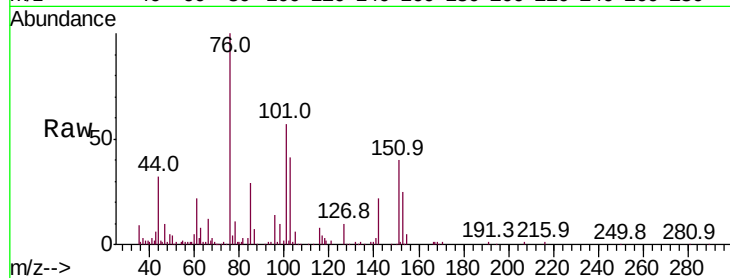
Tot Ion:101 Resp: 102972

Ion Ratio Lower Upper

101 100

85 51.3 41.0 61.6

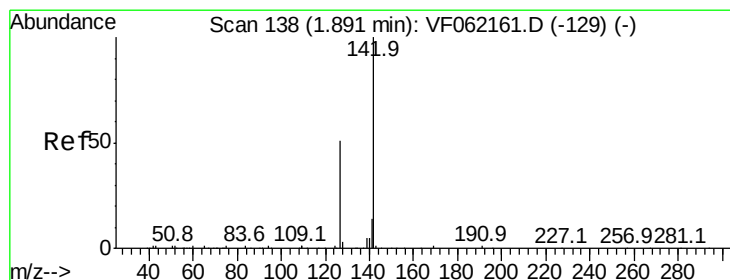
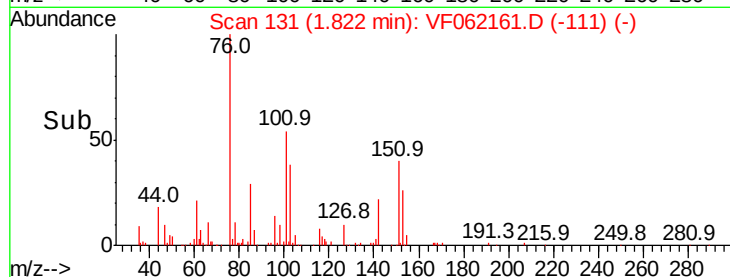
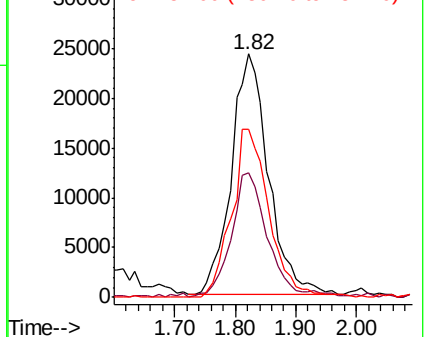
151 70.6 56.5 84.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 47.901 ug/l m

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

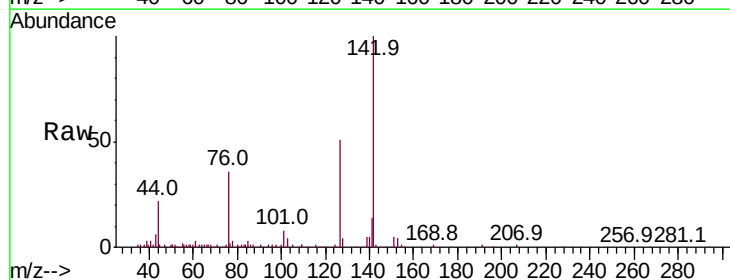
Tgt Ion:142 Resp: 187652

Ion Ratio Lower Upper

142 100

127 50.9 40.7 61.1

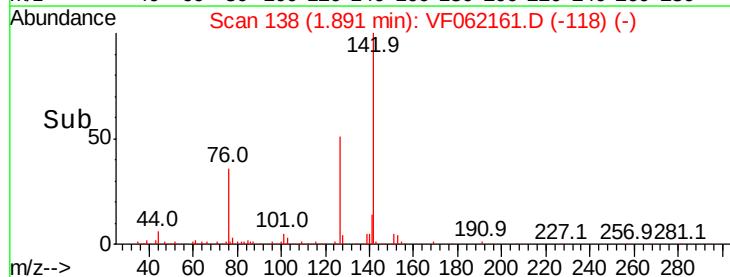
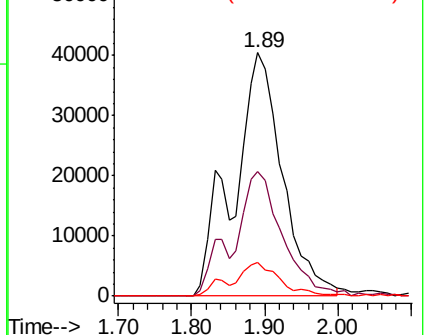
141 13.9 11.1 16.7

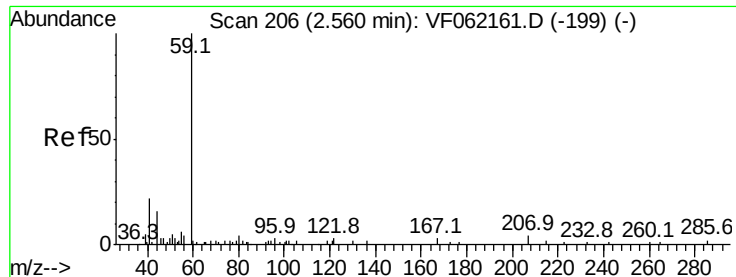


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



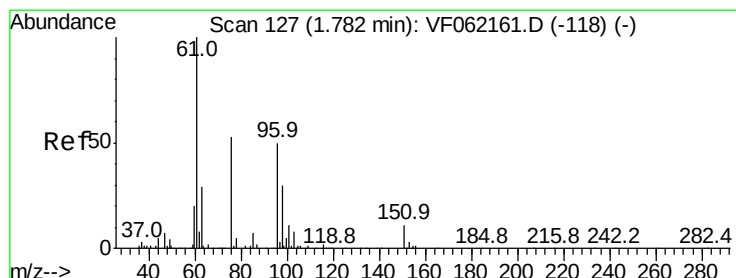
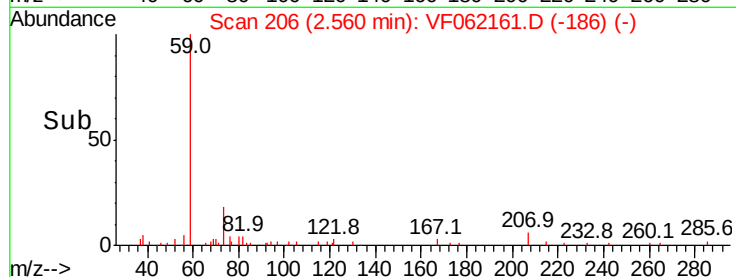
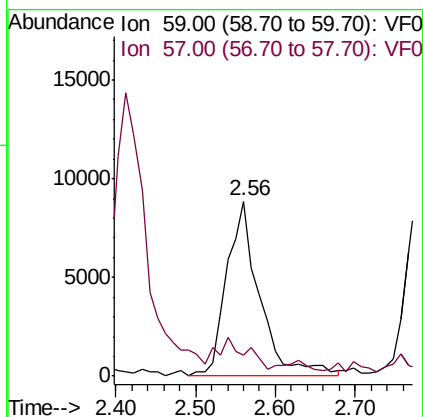
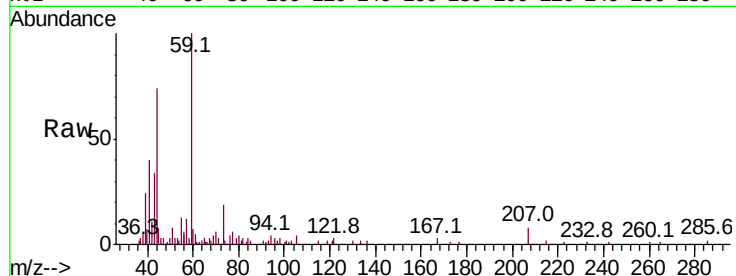


#11

Tert butyl alcohol
 Concen: 300.030 ug/l
 RT: 2.56 min Scan# 206
 Delta R.T. 0.00 min
 Lab File: VF062161.D
 Acq: 4 Apr 2019 17:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

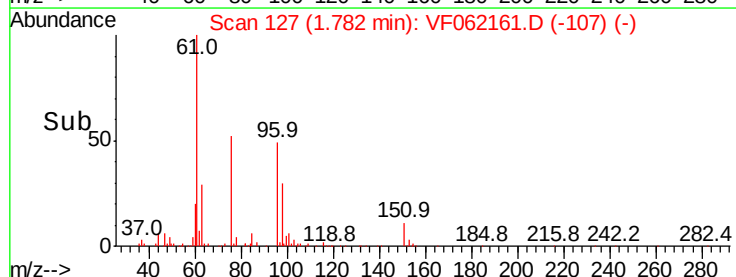
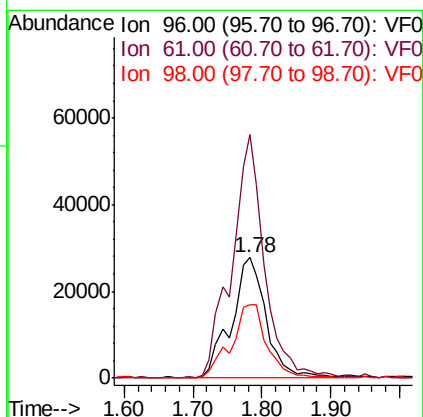
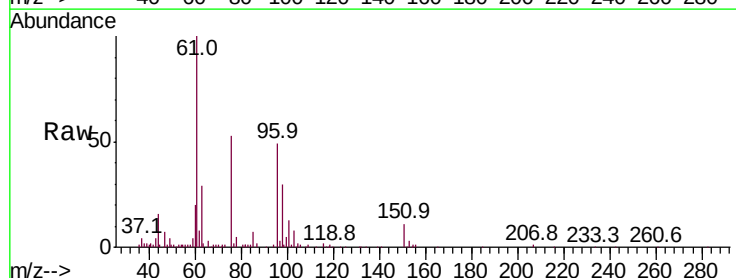
Tot Ion: 59 Resp: 25803
 Ion Ratio Lower Upper
 59 100
 57 11.9 9.5 14.3

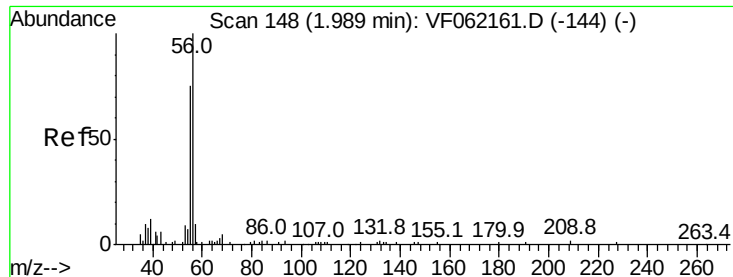


#12

1,1-Dichloroethene
 Concen: 49.755 ug/l
 RT: 1.78 min Scan# 127
 Delta R.T. 0.00 min
 Lab File: VF062161.D
 Acq: 4 Apr 2019 17:06

Tgt Ion: 96 Resp: 97451
 Ion Ratio Lower Upper
 96 100
 61 202.2 161.8 242.6
 98 61.5 49.2 73.8

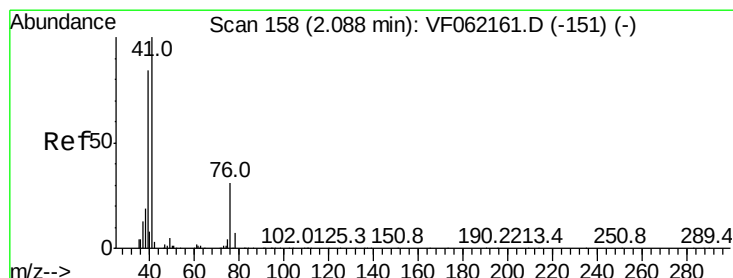
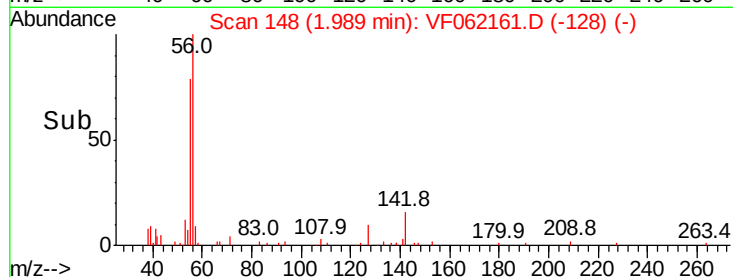
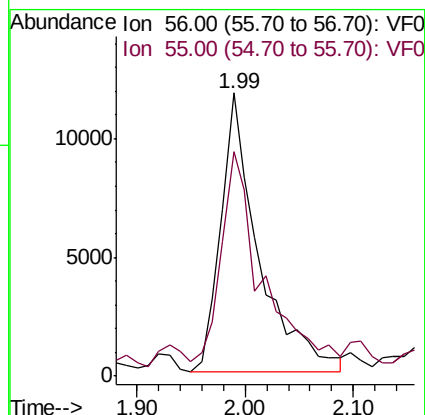
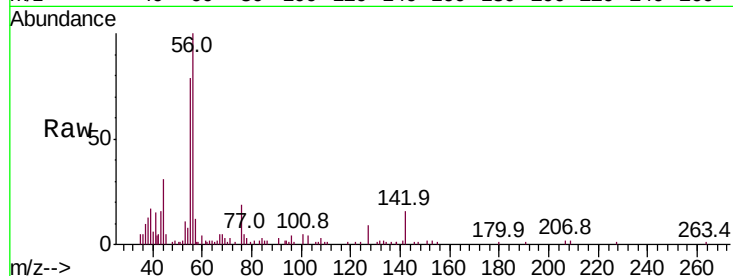




#13
Acrolein
Concen: 281.869 ug/l
RT: 1.99 min Scan# 148
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

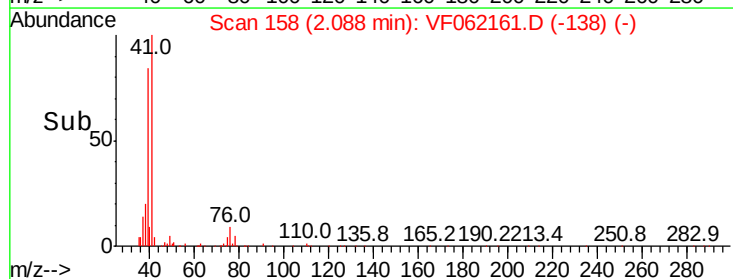
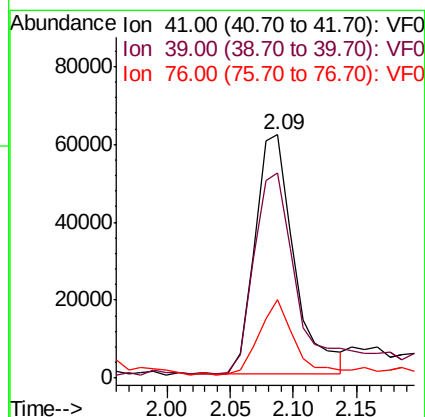
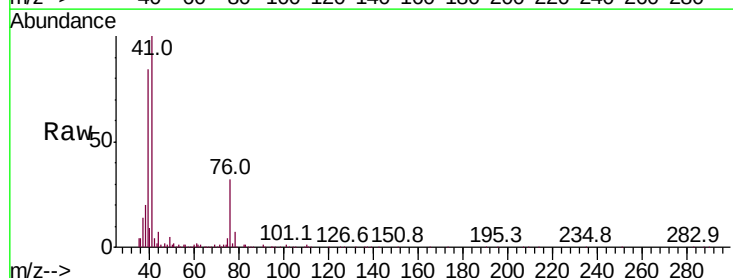
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

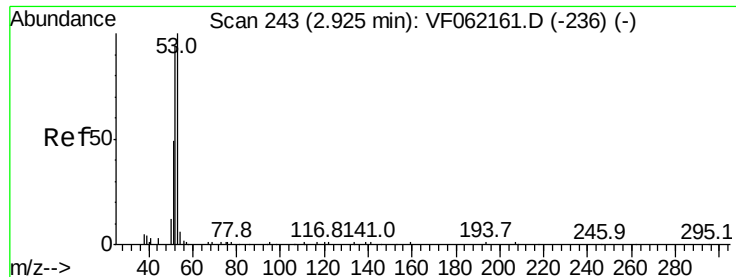
Tot Ion: 56 Resp: 28605
Ion Ratio Lower Upper
56 100
55 79.4 63.5 95.3



#14
Allyl chloride
Concen: 61.535 ug/l
RT: 2.09 min Scan# 158
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

Tgt Ion: 41 Resp: 134630
Ion Ratio Lower Upper
41 100
39 84.5 67.6 101.4
76 32.1 25.7 38.5

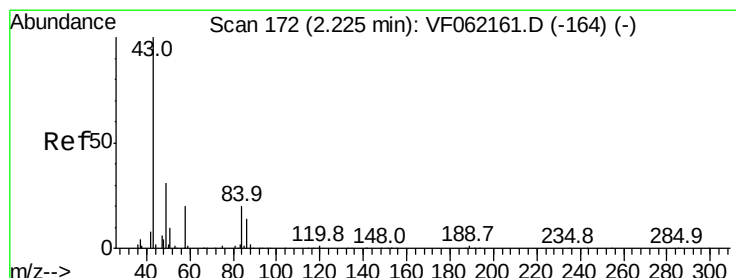
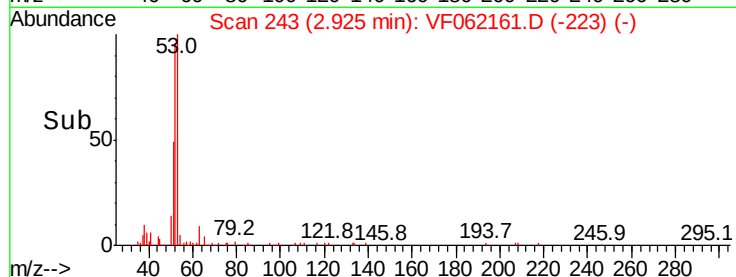
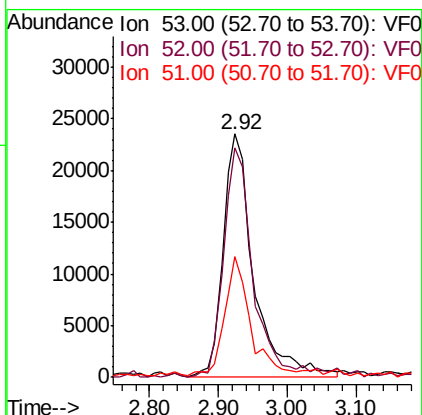
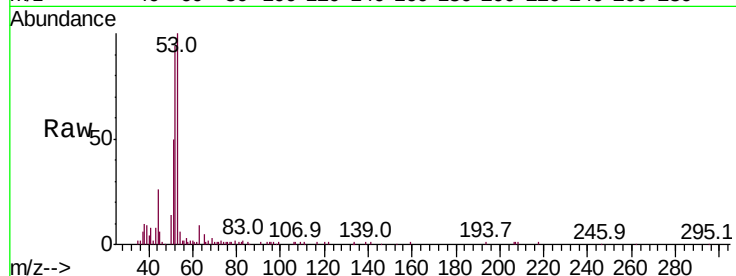




#15
 Acrylonitrile
 Concen: 248.110 ug/l
 RT: 2.92 min Scan# 243
 Delta R.T. 0.00 min
 Lab File: VF062161.D
 Acq: 4 Apr 2019 17:06

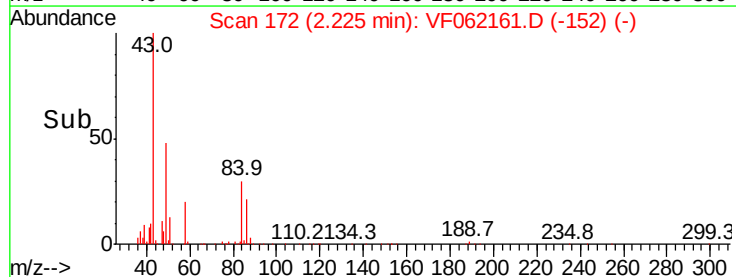
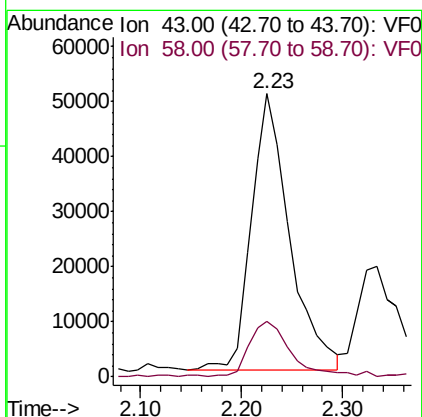
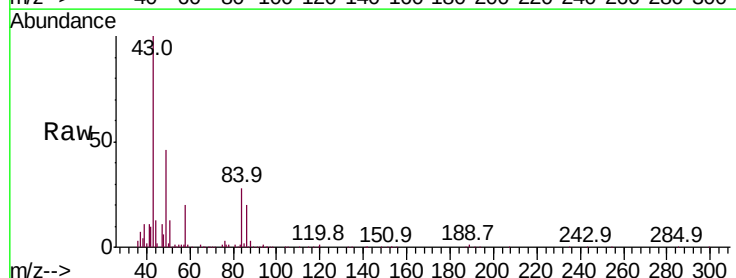
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

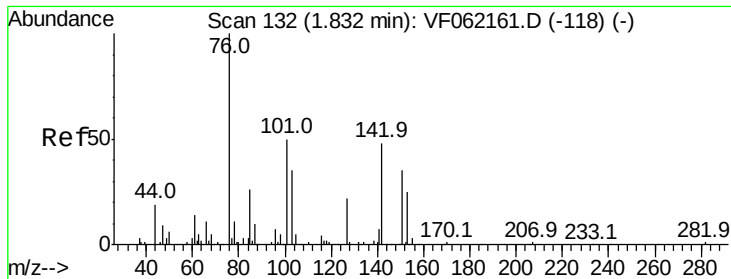
Tot Ion: 53 Resp: 72680
 Ion Ratio Lower Upper
 53 100
 52 94.4 75.5 113.3
 51 49.6 39.7 59.5



#16
 Acetone
 Concen: 386.712 ug/l
 RT: 2.23 min Scan# 172
 Delta R.T. 0.00 min
 Lab File: VF062161.D
 Acq: 4 Apr 2019 17:06

Tgt Ion: 43 Resp: 132934
 Ion Ratio Lower Upper
 43 100
 58 19.6 15.7 23.5





#17

Carbon Disulfide

Concen: 52.146 ug/l

RT: 1.83 min Scan# 132

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

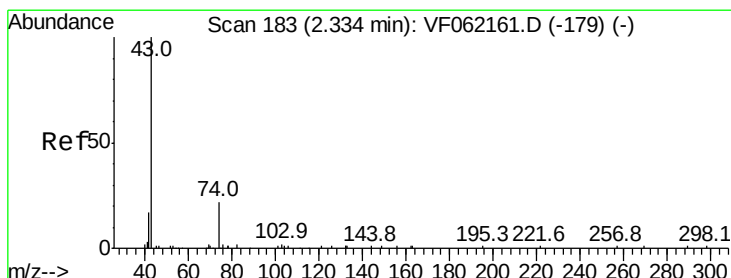
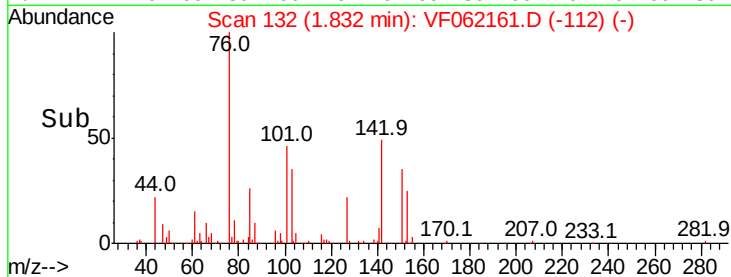
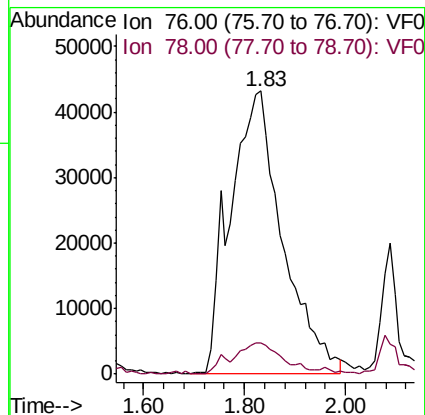
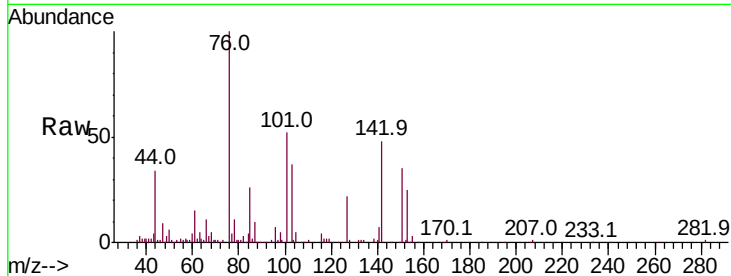
VSTDICCC050

Tot Ion: 76 Resp: 312416

Ion Ratio Lower Upper

76 100

78 10.8 8.6 13.0



#18

Methyl Acetate

Concen: 55.717 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF062161.D

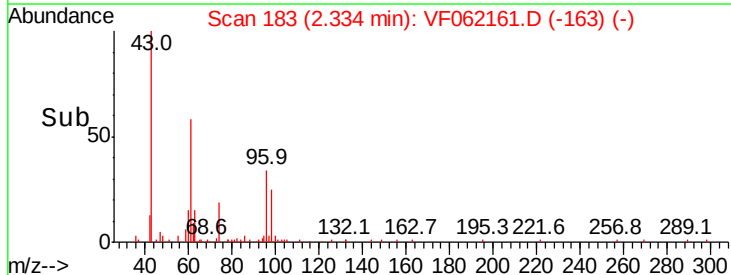
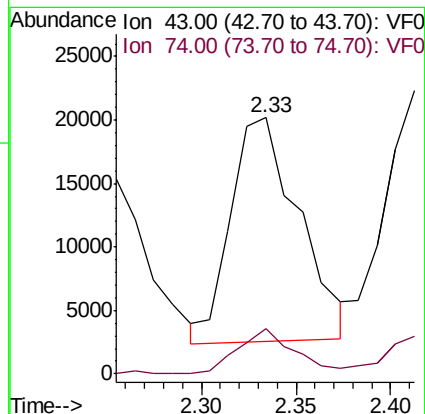
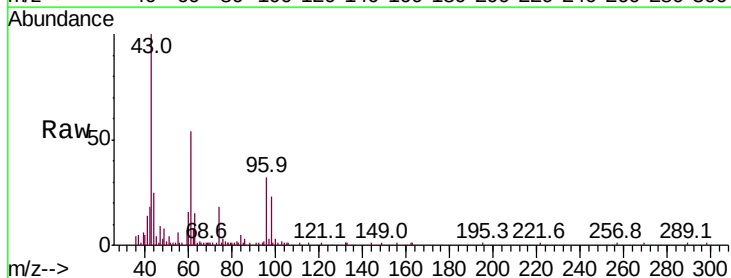
Acq: 4 Apr 2019 17:06

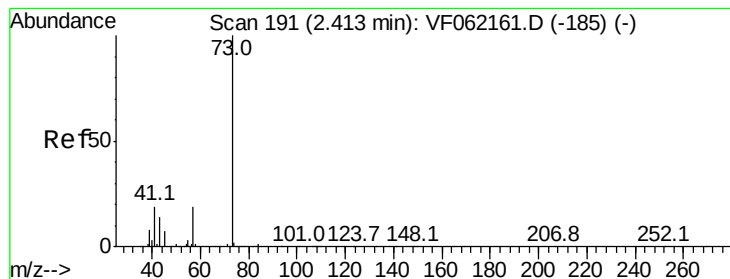
Tgt Ion: 43 Resp: 44087

Ion Ratio Lower Upper

43 100

74 17.9 14.3 21.5



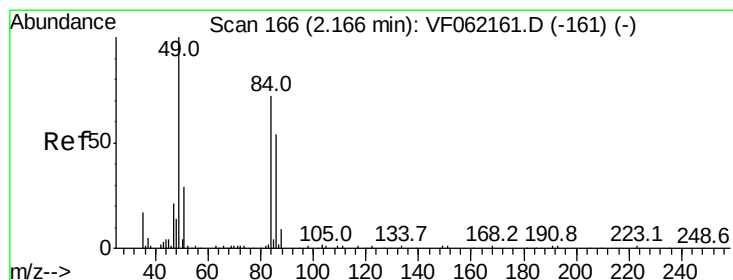
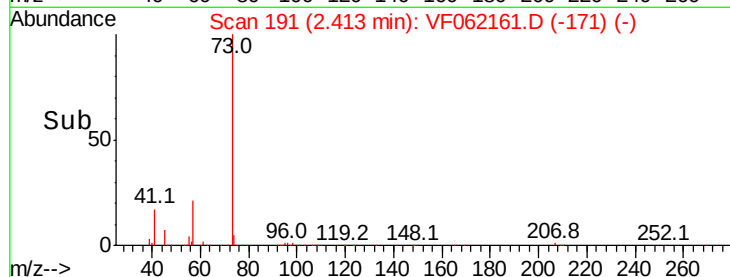
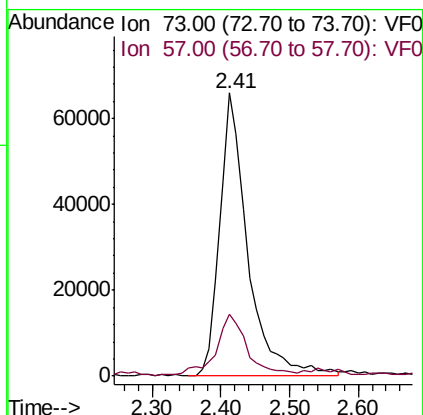
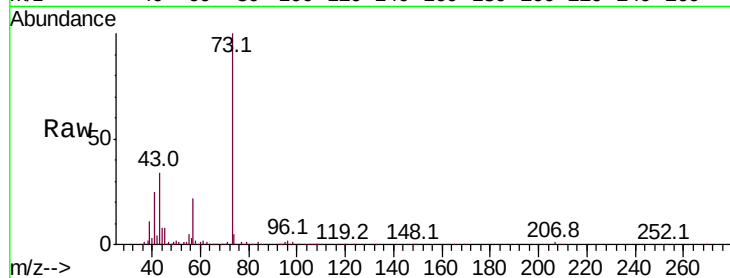


#19

Methyl tert-butyl Ether
 Concen: 57.703 ug/l
 RT: 2.41 min Scan# 191
 Delta R.T. 0.00 min
 Lab File: VF062161.D
 Acq: 4 Apr 2019 17:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

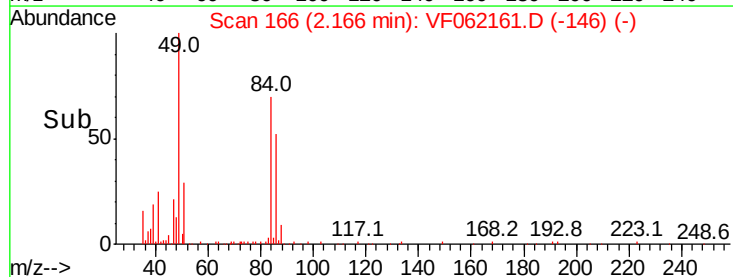
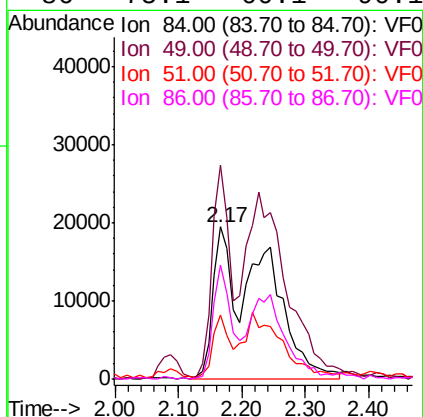
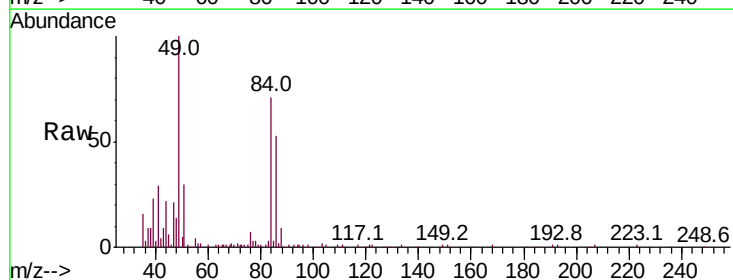
Tot Ion: 73 Resp: 184566
 Ion Ratio Lower Upper
 73 100
 57 21.7 17.4 26.0

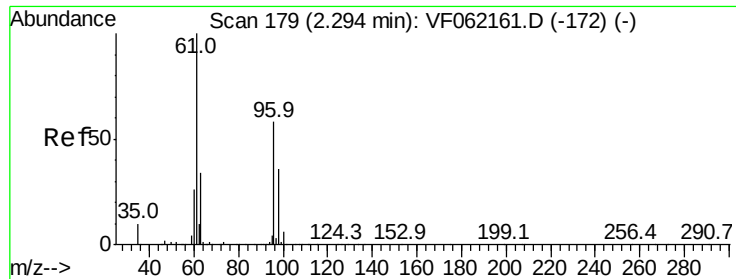


#20

Methylene Chloride
 Concen: 50.004 ug/l m
 RT: 2.17 min Scan# 166
 Delta R.T. 0.00 min
 Lab File: VF062161.D
 Acq: 4 Apr 2019 17:06

Tgt Ion: 84 Resp: 111046
 Ion Ratio Lower Upper
 84 100
 49 140.7 112.6 168.8
 51 41.8 33.4 50.2
 86 75.1 60.1 90.1





#21

trans-1,2-Dichloroethene

Concen: 53.036 ug/l

RT: 2.29 min Scan# 179

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

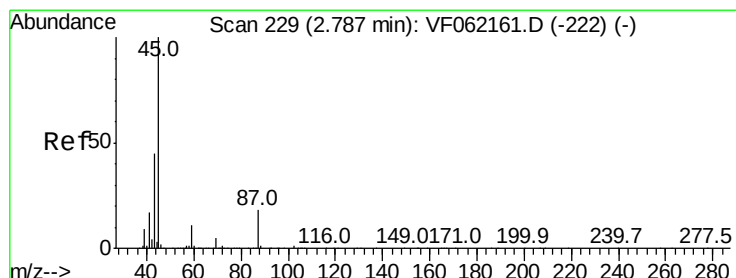
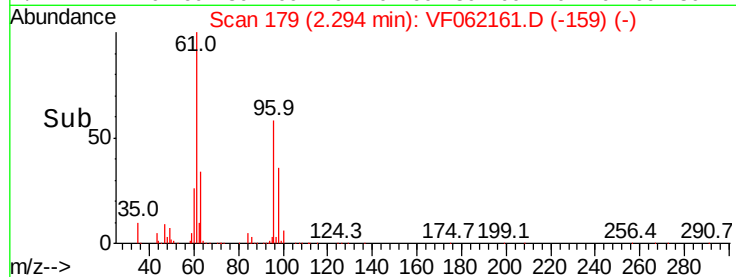
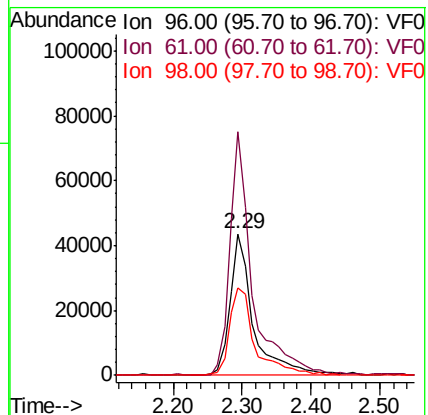
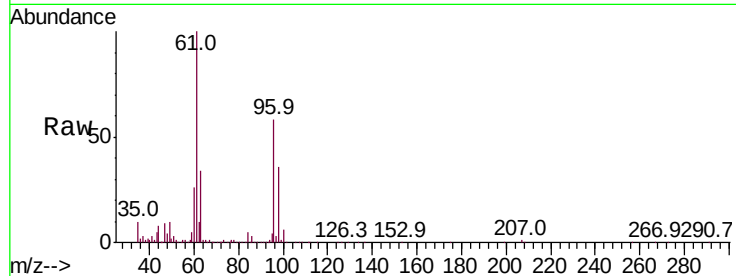
Tot Ion: 96 Resp: 100791

Ion Ratio Lower Upper

96 100

61 171.7 137.4 206.0

98 61.7 49.4 74.0



#22

Diisopropyl ether

Concen: 54.519 ug/l

RT: 2.79 min Scan# 229

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Tgt Ion: 45 Resp: 306283

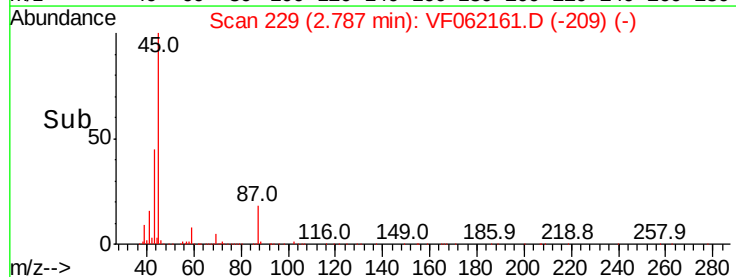
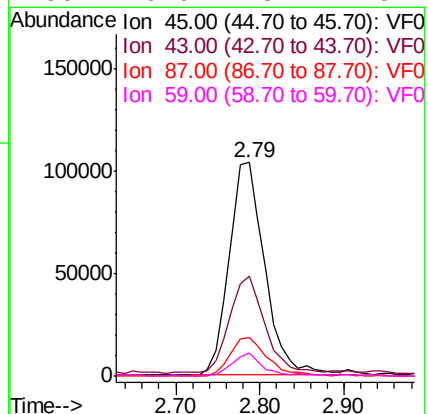
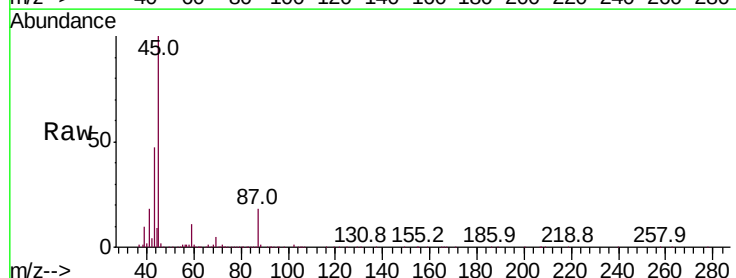
Ion Ratio Lower Upper

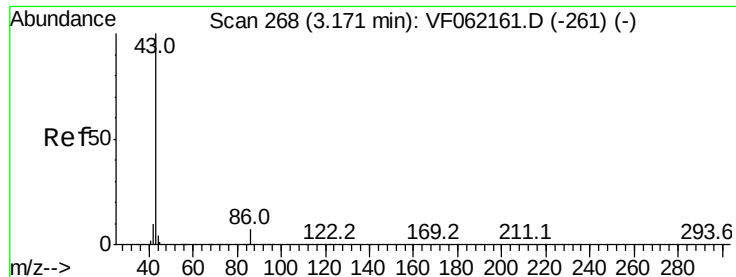
45 100

43 46.8 37.4 56.2

87 17.9 14.3 21.5

59 10.9 8.7 13.1





#23

Vinyl Acetate

Concen: 306.071 ug/l

RT: 3.17 min Scan# 268

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

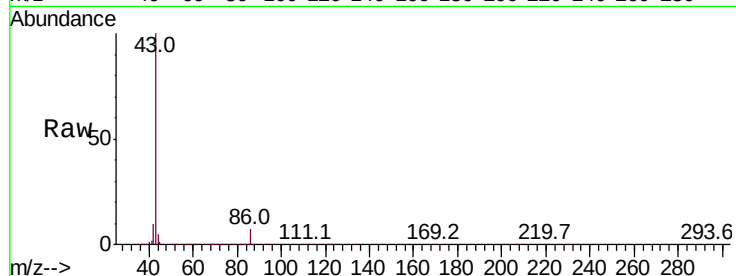
VSTDICCC050

Tot Ion: 43 Resp: 718129

Ion Ratio Lower Upper

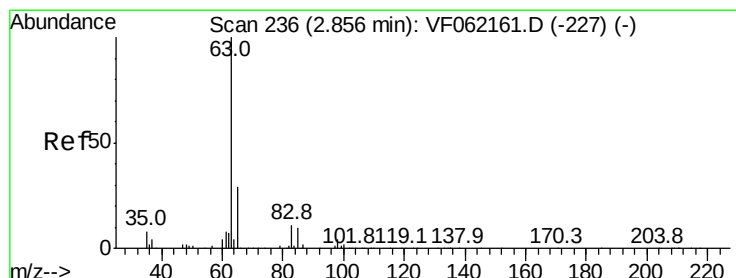
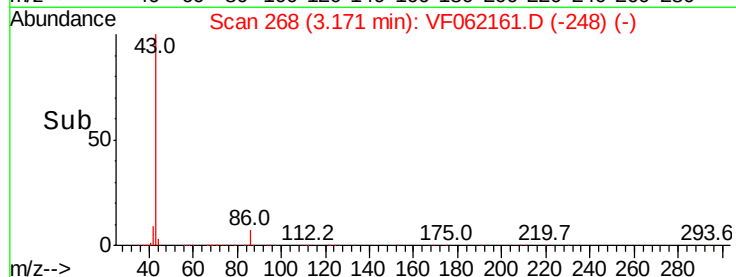
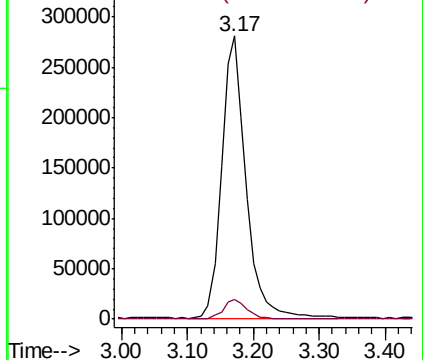
43 100

86 7.1 5.7 8.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 54.234 ug/l

RT: 2.86 min Scan# 236

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

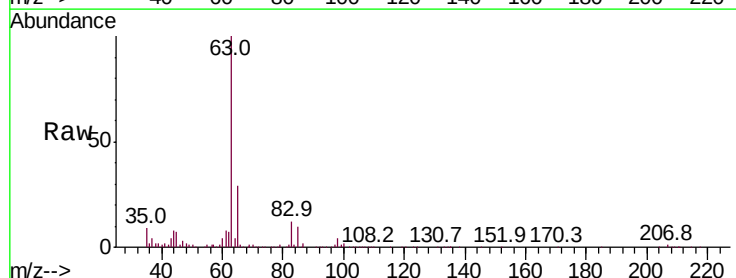
Tgt Ion: 63 Resp: 182503

Ion Ratio Lower Upper

63 100

98 4.0 2.0 6.0

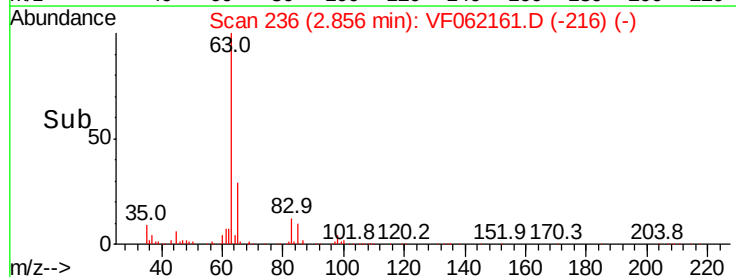
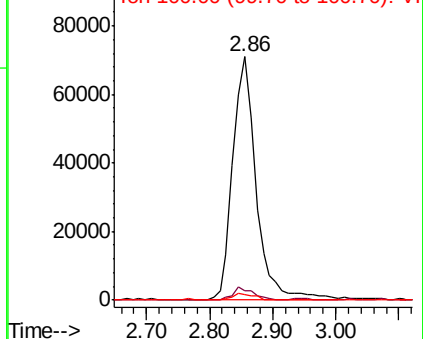
100 2.0 1.0 3.0

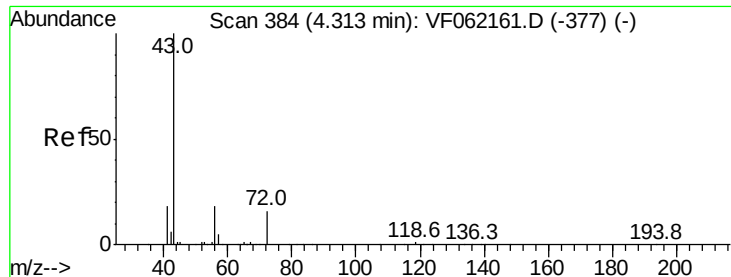


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 293.319 ug/l

RT: 4.31 min Scan# 384

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

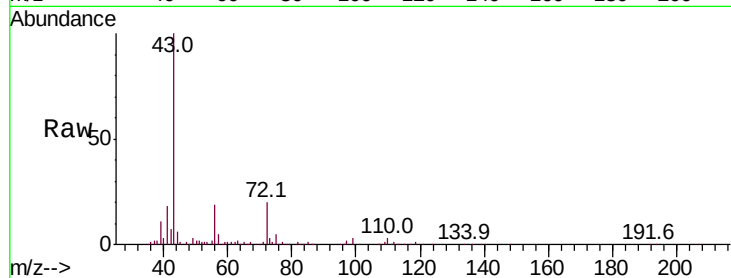
VSTDICCC050

Tot Ion: 43 Resp: 199358

Ion Ratio Lower Upper

43 100

72 20.5 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

60000

50000

40000

30000

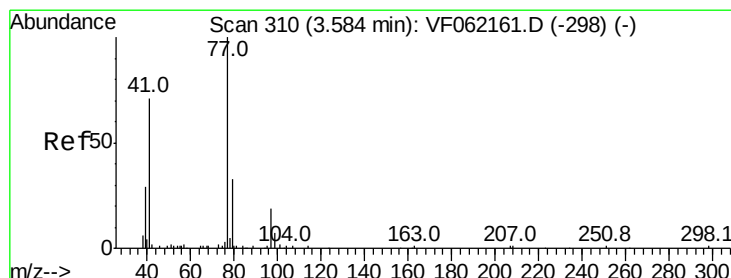
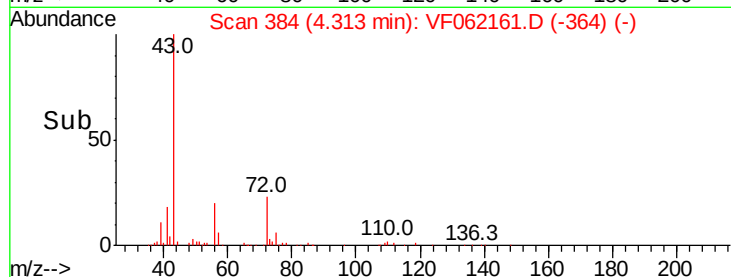
20000

10000

0

4.20 4.30 4.40

Time-->



#26

2,2-Dichloropropane

Concen: 67.601 ug/l

RT: 3.58 min Scan# 310

Delta R.T. 0.00 min

Lab File: VF062161.D

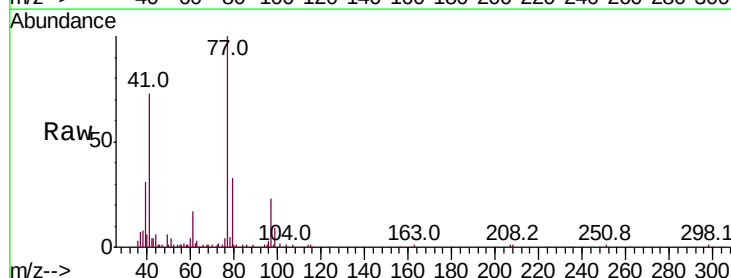
Acq: 4 Apr 2019 17:06

Tgt Ion: 77 Resp: 96392

Ion Ratio Lower Upper

77 100

97 22.8 11.4 34.2



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

30000

25000

20000

15000

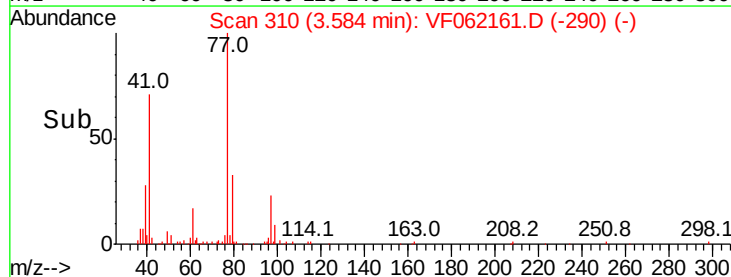
10000

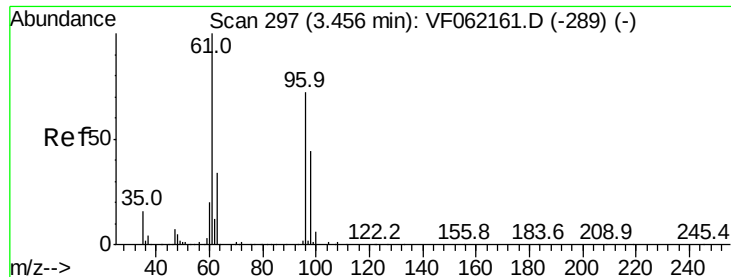
5000

0

3.40 3.50 3.60 3.70

Time-->



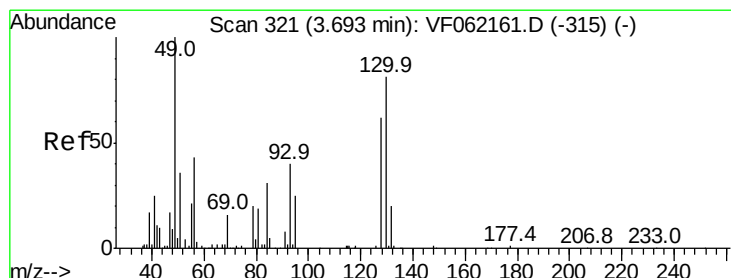
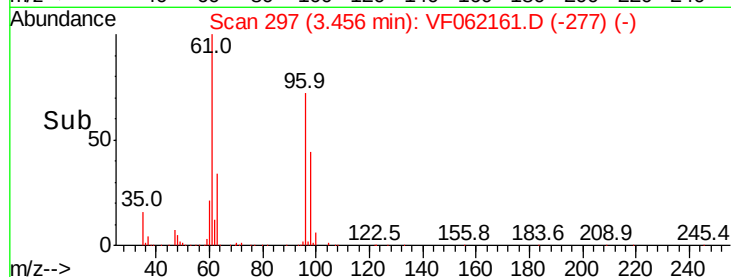
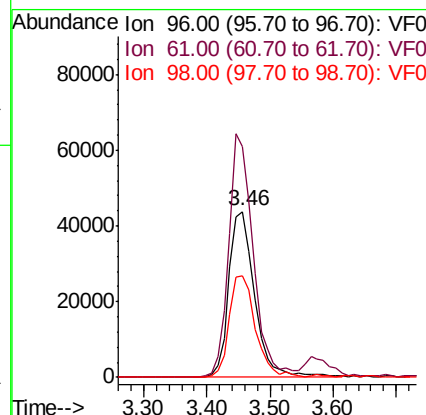
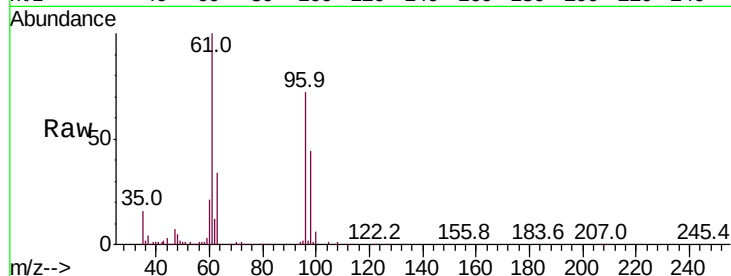


#27

cis-1,2-Dichloroethene
 Concen: 49.653 ug/l
 RT: 3.46 min Scan# 297
 Delta R.T. 0.00 min
 Lab File: VF062161.D
 Acq: 4 Apr 2019 17:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

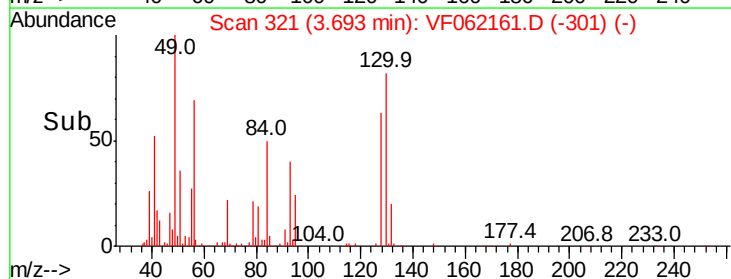
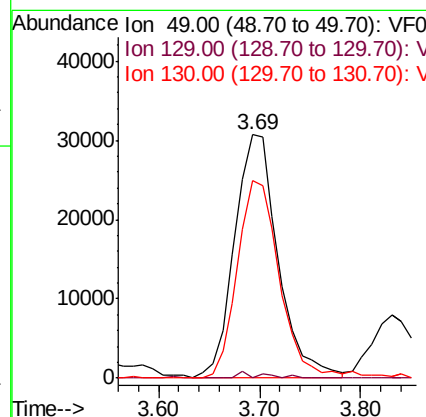
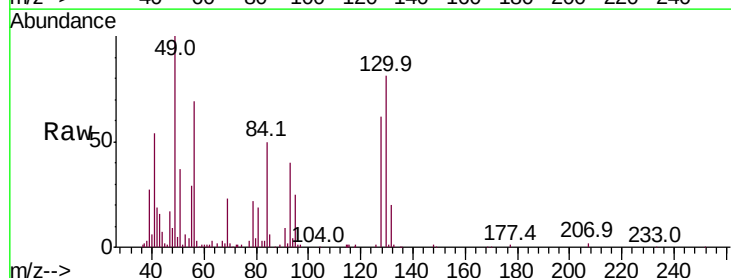
Tot Ion: 96 Resp: 124782
 Ion Ratio Lower Upper
 96 100
 61 139.1 0.0 278.2
 98 61.1 0.0 122.2

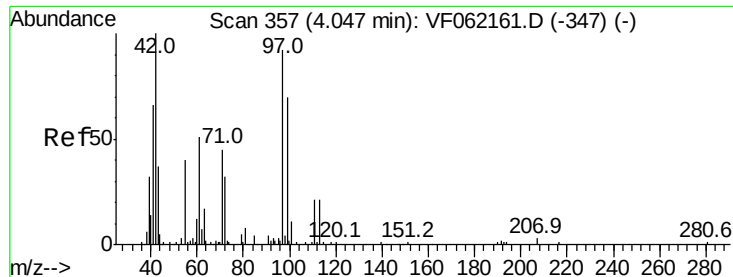


#28

Bromochloromethane
 Concen: 64.852 ug/l
 RT: 3.69 min Scan# 321
 Delta R.T. 0.00 min
 Lab File: VF062161.D
 Acq: 4 Apr 2019 17:06

Tgt Ion: 49 Resp: 91608
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 81.2 65.0 97.4

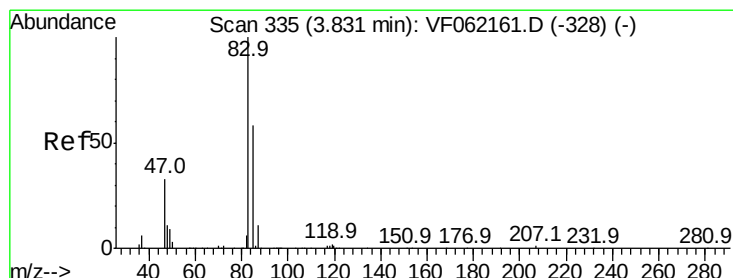
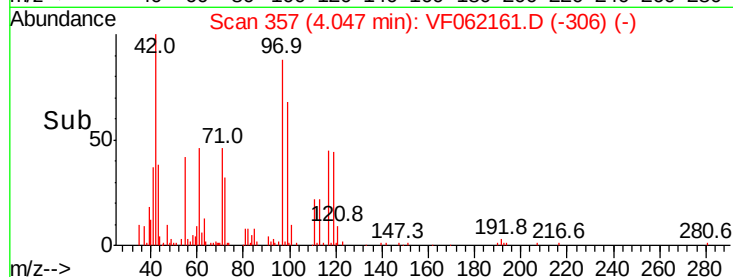
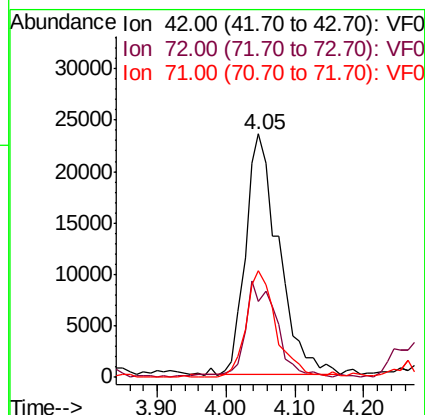
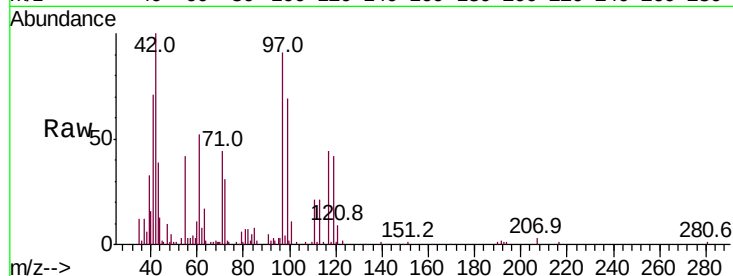




#29
Tetrahydrofuran
Concen: 265.771 ug/l
RT: 4.05 min Scan# 357
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

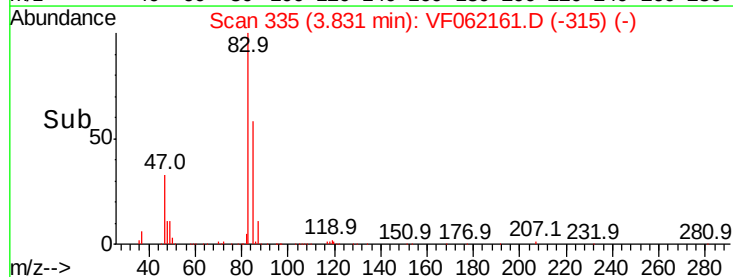
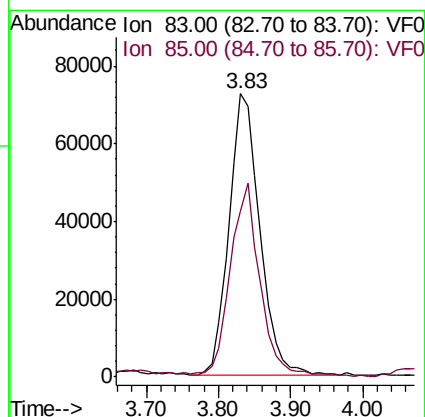
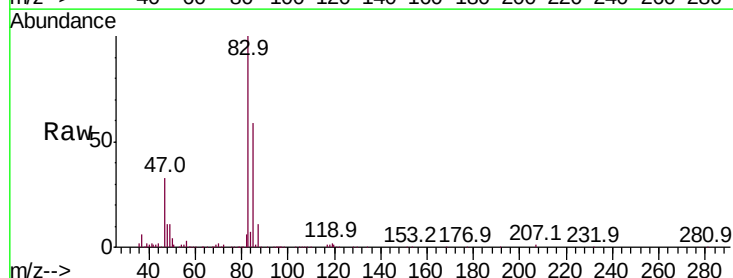
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

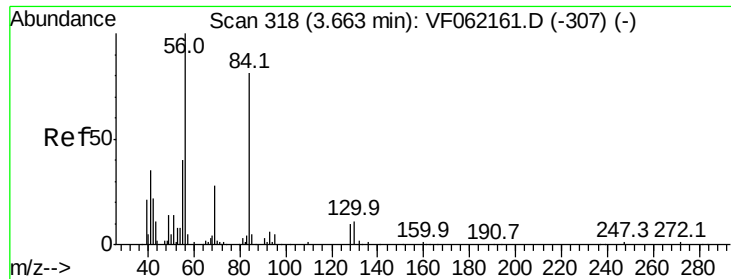
Tot Ion	Ratio	Lower	Upper
42	100		
72	38.6	30.9	46.3
71	40.0	32.0	48.0



#30
Chloroform
Concen: 59.568 ug/l
RT: 3.83 min Scan# 335
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.6	46.9	70.3

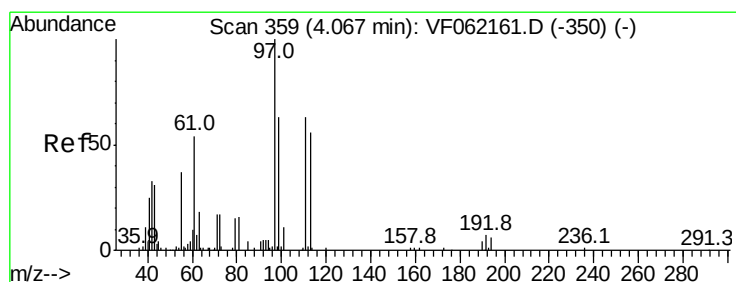
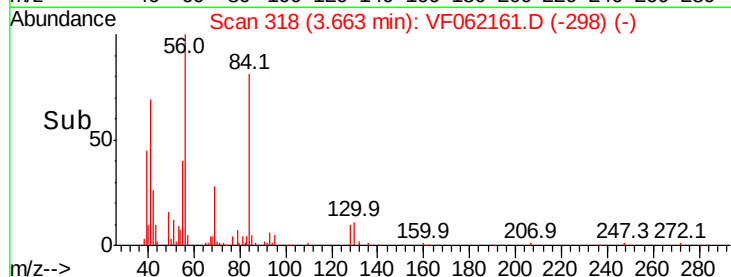
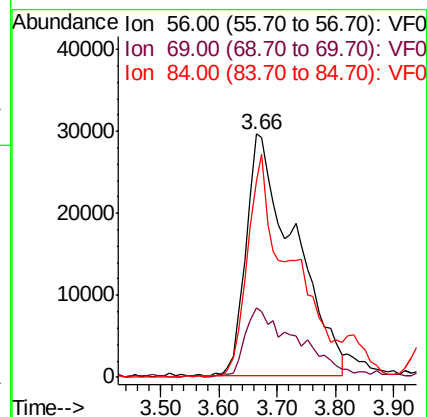
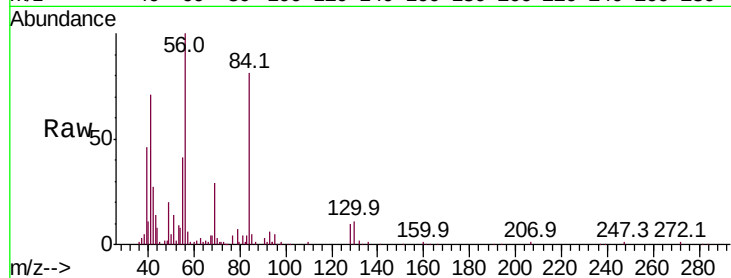




#31
Cyclohexane
Concen: 49.463 ug/l
RT: 3.66 min Scan# 318
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

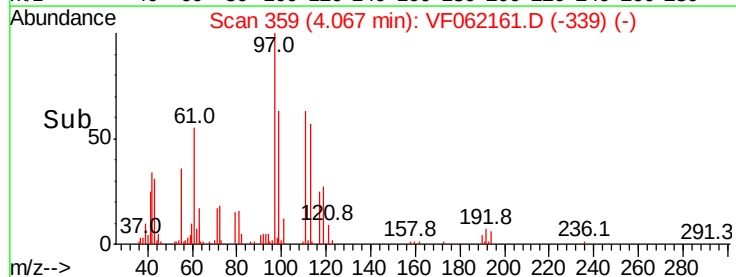
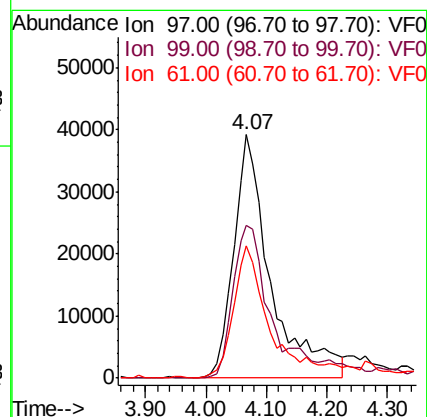
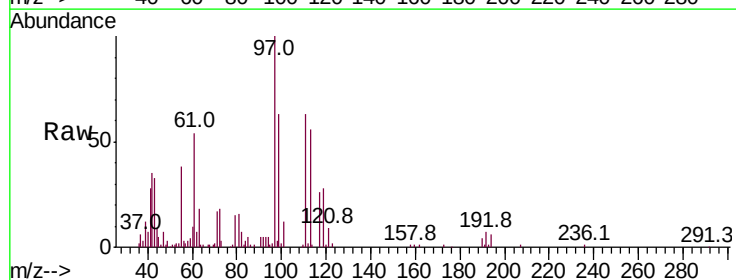
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

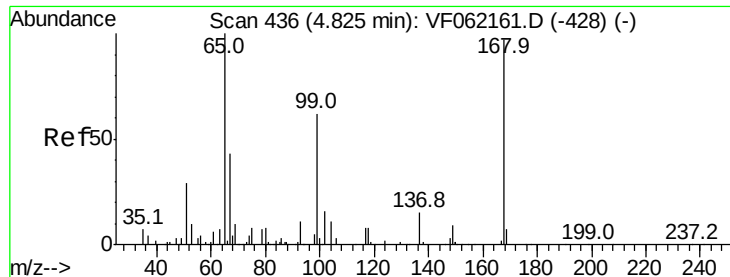
Tot Ion: 56 Resp: 170236
Ion Ratio Lower Upper
56 100
69 28.7 23.0 34.4
84 80.5 64.4 96.6



#32
1,1,1-Trichloroethane
Concen: 71.548 ug/l
RT: 4.07 min Scan# 359
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

Tgt Ion: 97 Resp: 166229
Ion Ratio Lower Upper
97 100
99 62.7 50.2 75.2
61 54.4 43.5 65.3





#33

1,2-Dichloroethane-d4

Concen: 78.019 ug/l

RT: 4.83 min Scan# 436

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

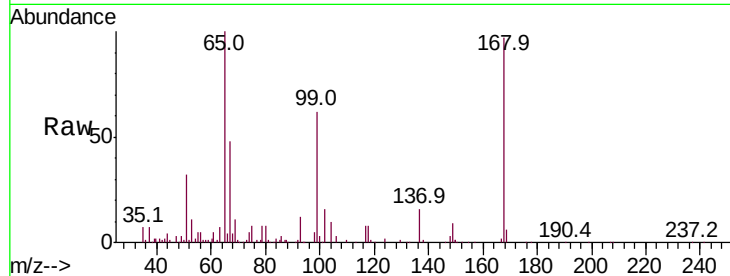
VSTDICCC050

Tot Ion: 65 Resp: 130674

Ion Ratio Lower Upper

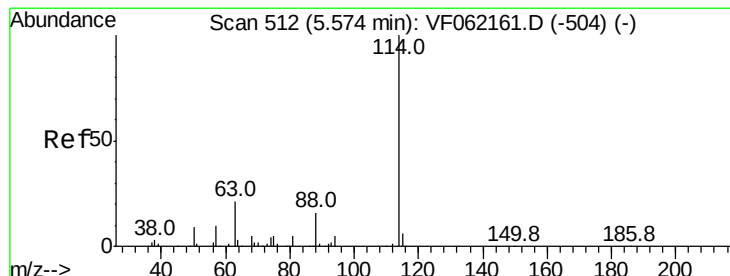
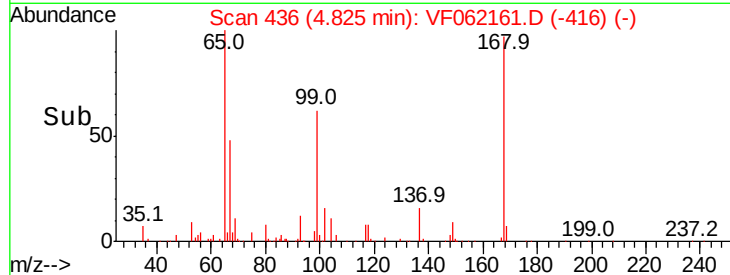
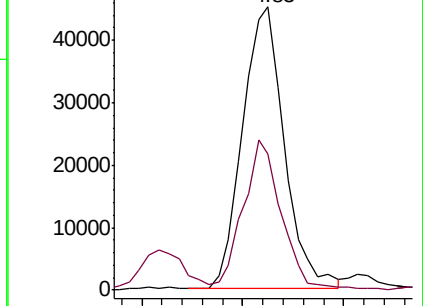
65 100

67 48.0 0.0 96.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.57 min Scan# 512

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

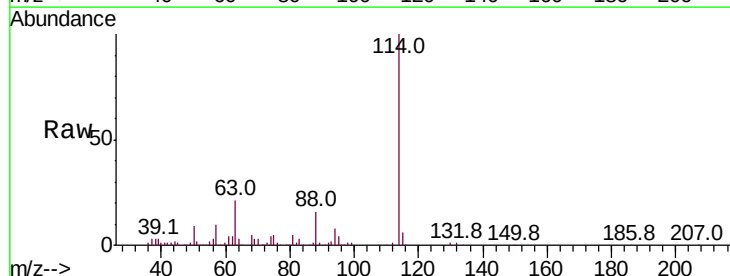
Tgt Ion: 114 Resp: 321906

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.8

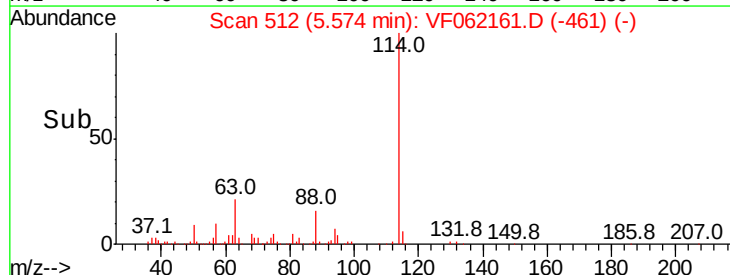
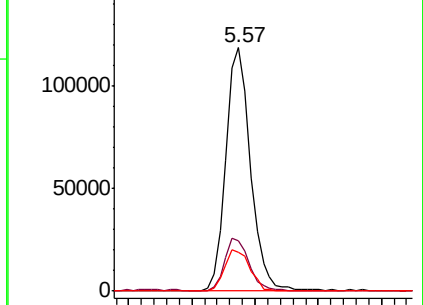
88 15.7 0.0 31.4

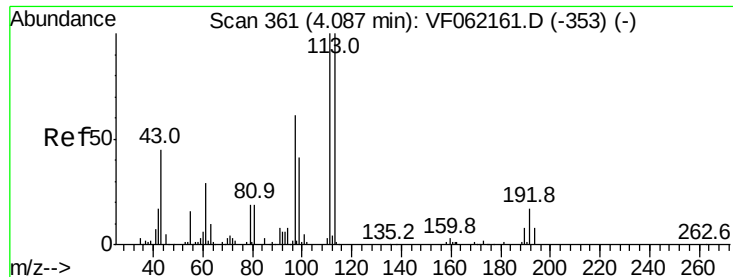


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

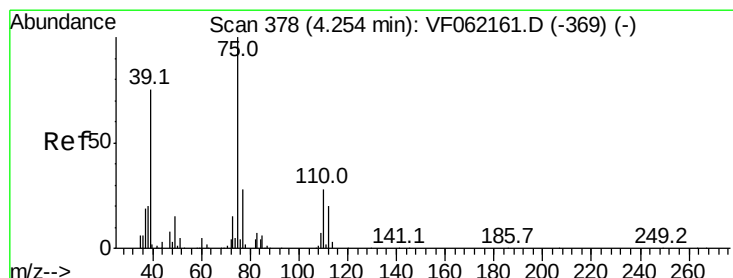
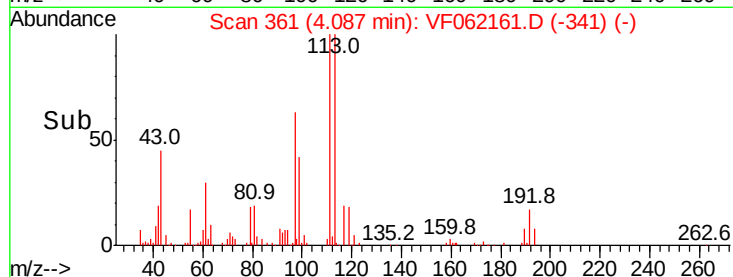
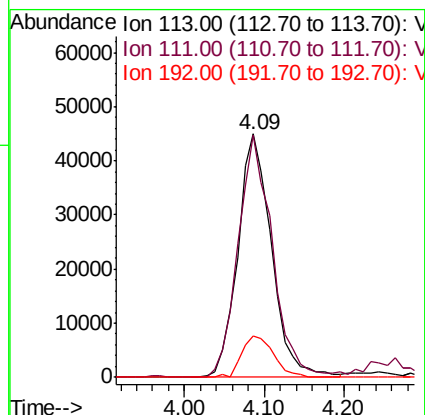
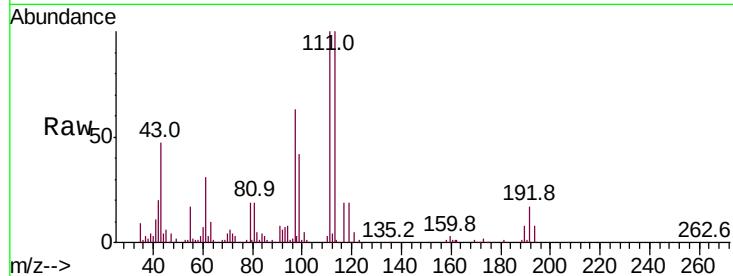




#35
 Dibromofluoromethane
 Concen: 59.280 ug/l
 RT: 4.09 min Scan# 361
 Delta R.T. 0.00 min
 Lab File: VF062161.D
 Acq: 4 Apr 2019 17:06

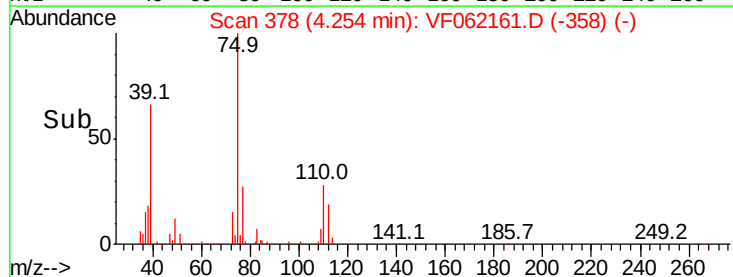
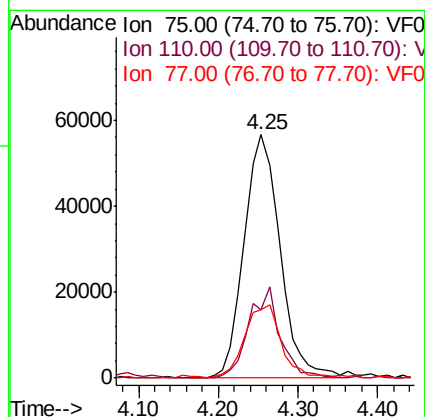
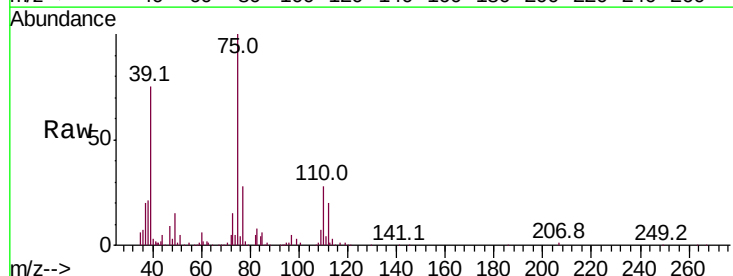
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

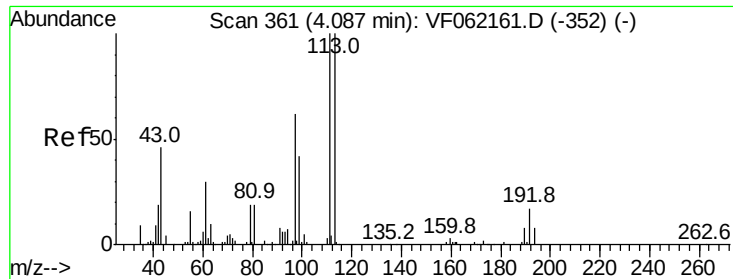
Tot Ion: 113 Resp: 131584
 Ion Ratio Lower Upper
 113 100
 111 99.7 79.8 119.6
 192 17.2 13.8 20.6



#36
 1,1-Dichloropropene
 Concen: 56.522 ug/l
 RT: 4.25 min Scan# 378
 Delta R.T. 0.00 min
 Lab File: VF062161.D
 Acq: 4 Apr 2019 17:06

Tgt Ion: 75 Resp: 177218
 Ion Ratio Lower Upper
 75 100
 110 27.8 13.9 41.7
 77 28.3 22.6 34.0

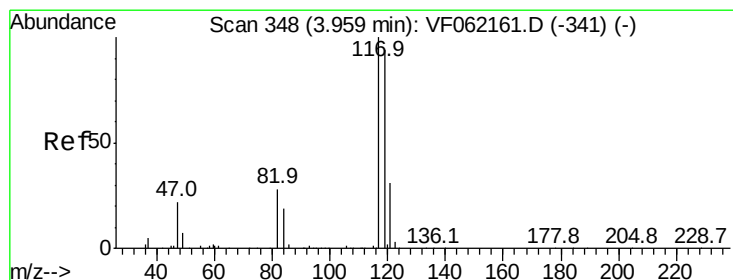
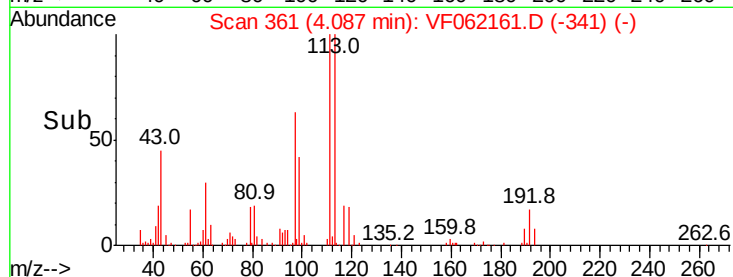
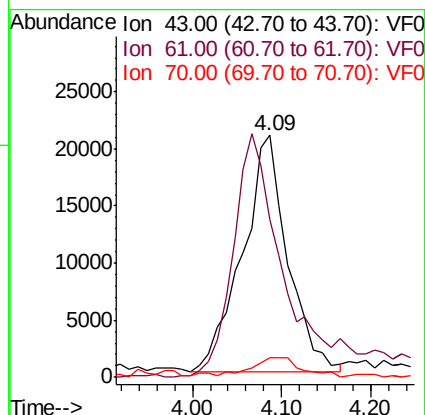
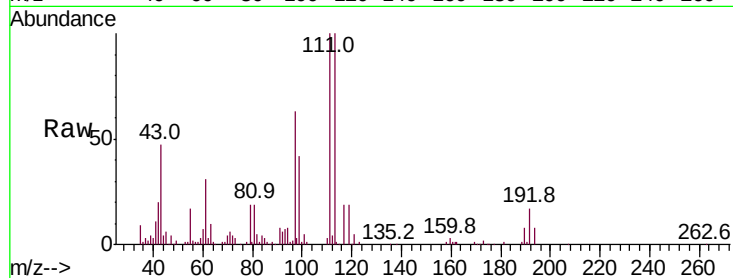




#37
Ethyl Acetate
Concen: 53.394 ug/l
RT: 4.09 min Scan# 361
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

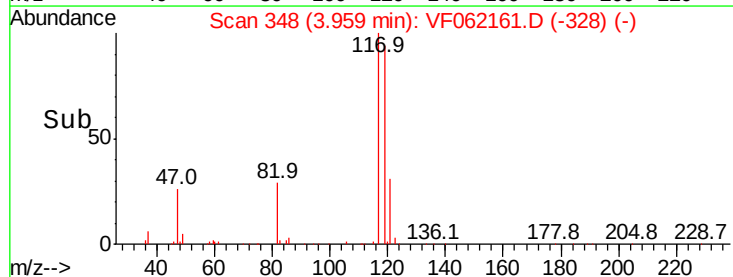
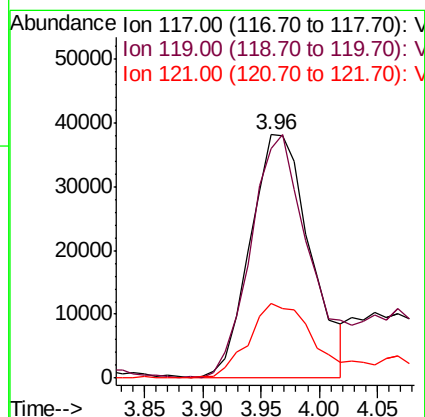
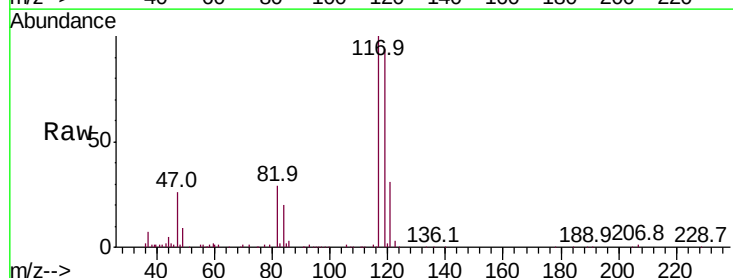
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

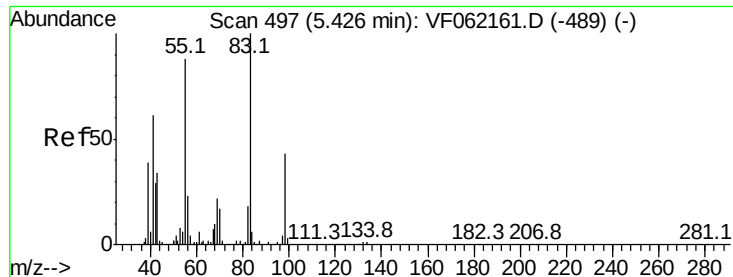
Tot Ion: 43 Resp: 72704
Ion Ratio Lower Upper
43 100
61 65.4 52.3 78.5
70 8.0 6.4 9.6



#38
Carbon Tetrachloride
Concen: 62.264 ug/l
RT: 3.96 min Scan# 348
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

Tgt Ion: 117 Resp: 135851
Ion Ratio Lower Upper
117 100
119 94.4 75.5 113.3
121 30.8 24.6 37.0

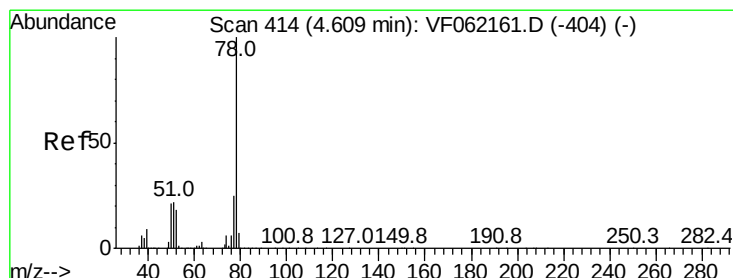
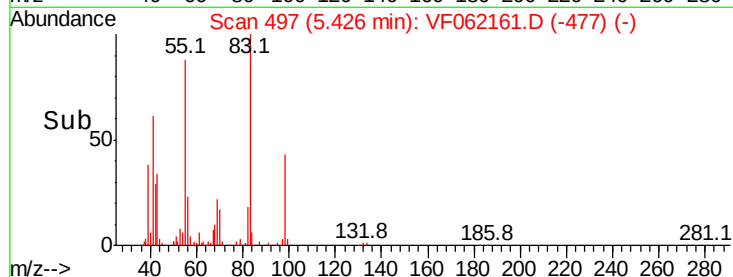
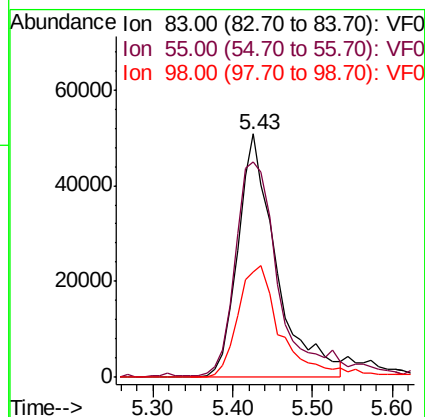
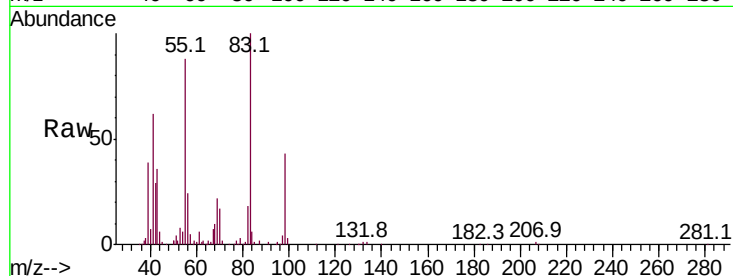




#39
Methylcyclohexane
Concen: 48.935 ug/l
RT: 5.43 min Scan# 497
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

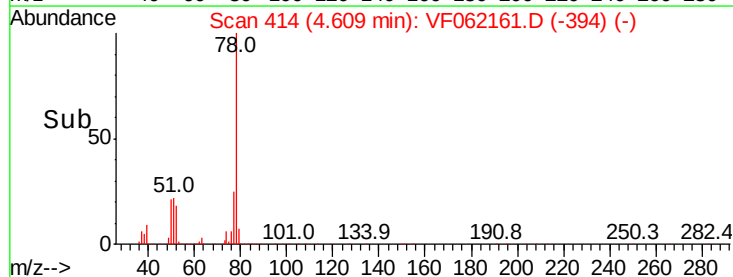
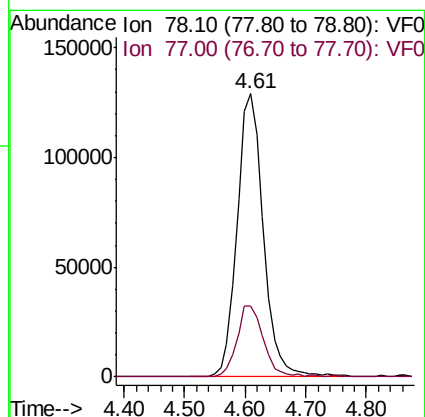
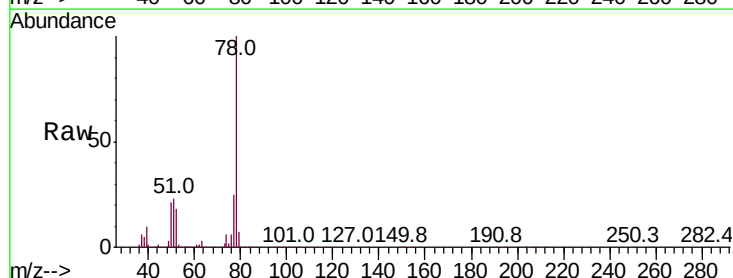
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

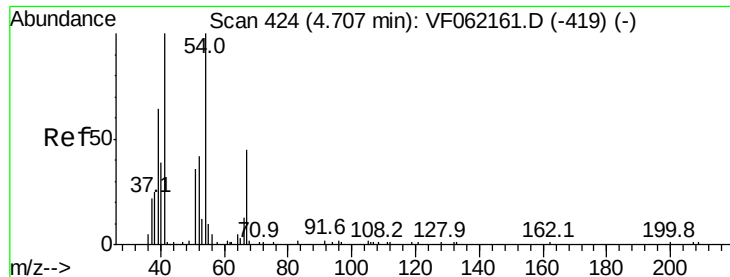
Tot Ion: 83 Resp: 170443
Ion Ratio Lower Upper
83 100
55 88.4 70.7 106.1
98 43.2 34.6 51.8



#40
Benzene
Concen: 47.971 ug/l
RT: 4.61 min Scan# 414
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

Tgt Ion: 78 Resp: 389155
Ion Ratio Lower Upper
78 100
77 24.9 19.9 29.9





#41

Methacrylonitrile

Concen: 56.487 ug/l

RT: 4.71 min Scan# 424

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 41 Resp: 40886

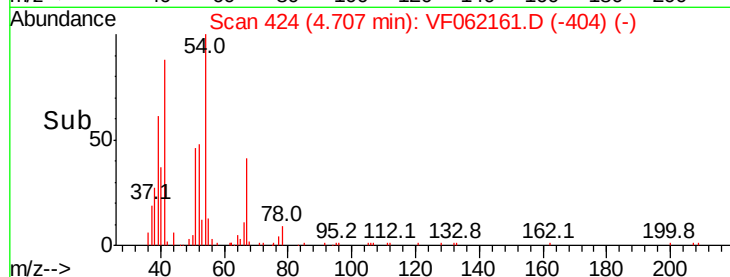
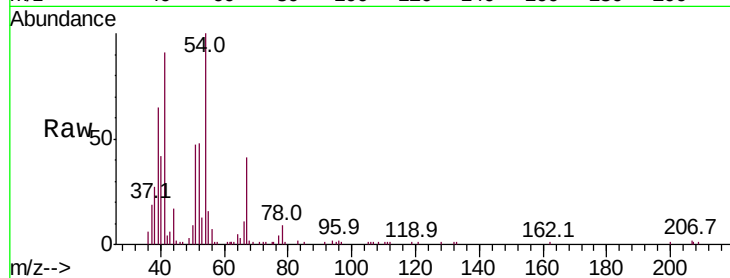
Ion	Ratio	Lower	Upper
41	100		
39	70.6	56.5	84.7
67	44.6	35.7	53.5
52	52.8	42.2	63.4

41 100

39 70.6 56.5 84.7

67 44.6 35.7 53.5

52 52.8 42.2 63.4

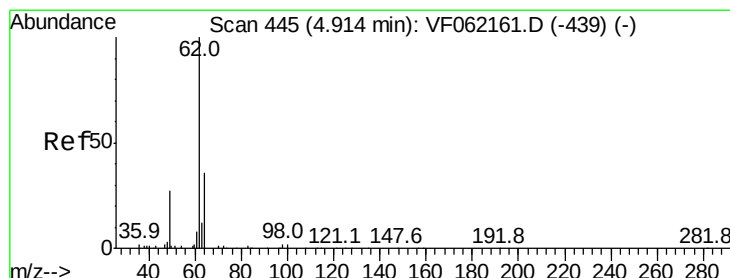
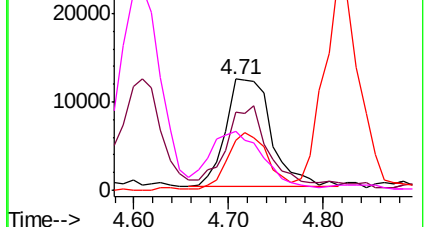


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 67.910 ug/l

RT: 4.91 min Scan# 445

Delta R.T. 0.00 min

Lab File: VF062161.D

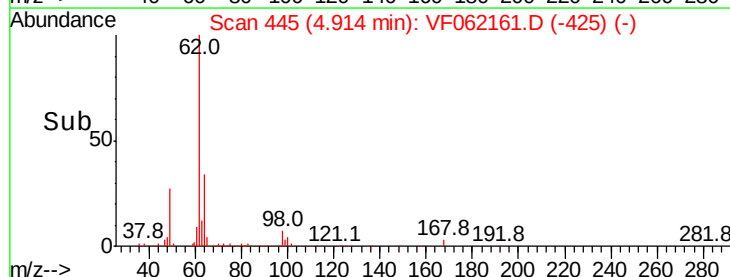
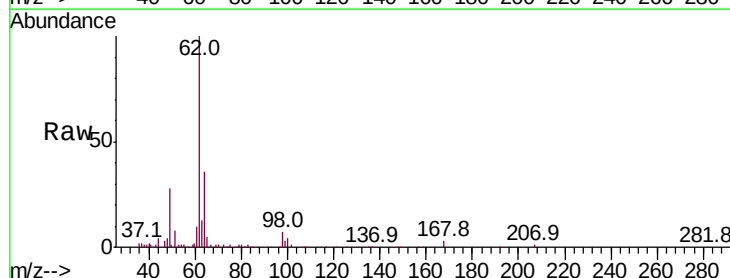
Acq: 4 Apr 2019 17:06

Tgt Ion: 62 Resp: 141179

Ion	Ratio	Lower	Upper
62	100		
98	7.1	0.0	14.2

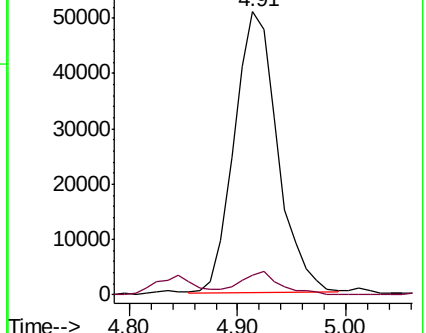
62 100

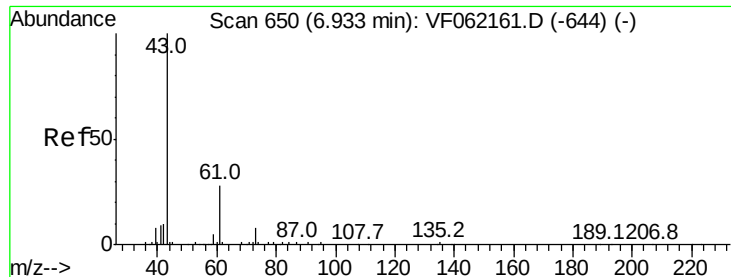
98 7.1 0.0 14.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 50.370 ug/l

RT: 6.93 min Scan# 650

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

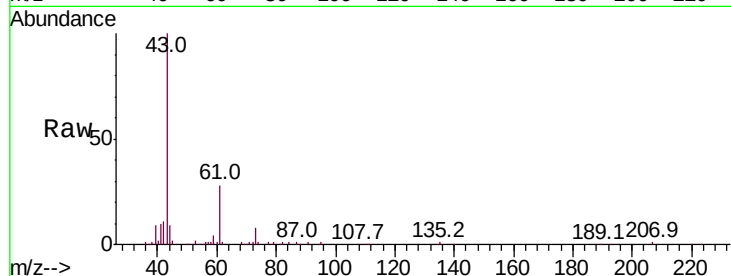
Tot Ion: 43 Resp: 81643

Ion Ratio Lower Upper

43 100

61 28.1 22.5 33.7

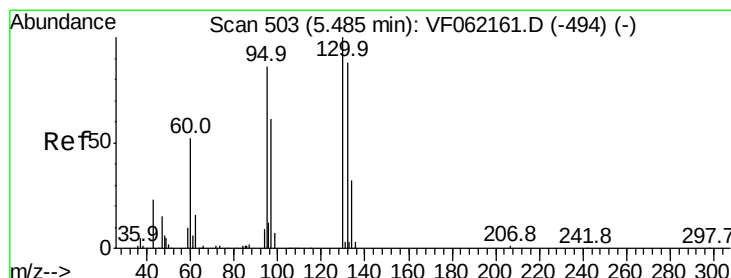
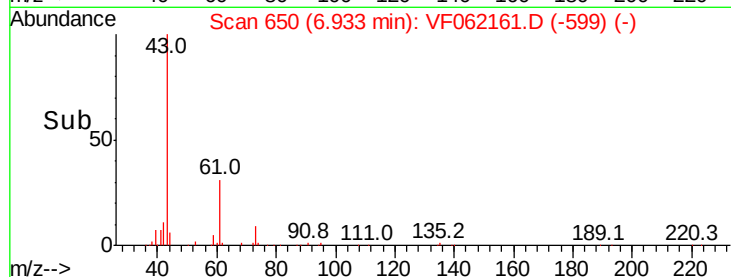
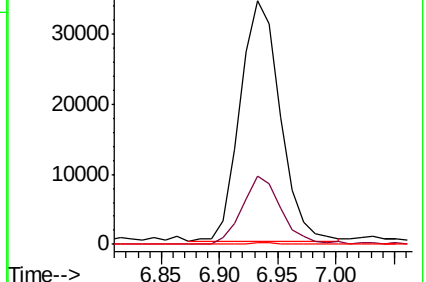
87 0.6 0.5 0.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 48.862 ug/l

RT: 5.49 min Scan# 503

Delta R.T. 0.00 min

Lab File: VF062161.D

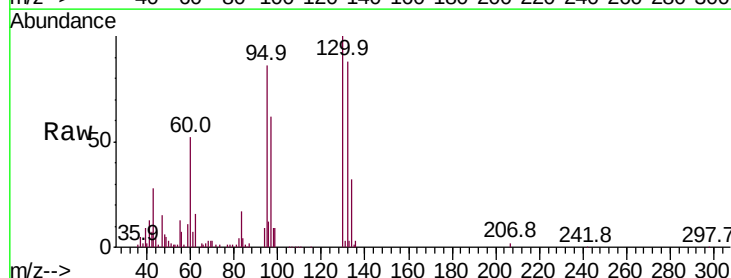
Acq: 4 Apr 2019 17:06

Tgt Ion:130 Resp: 121527

Ion Ratio Lower Upper

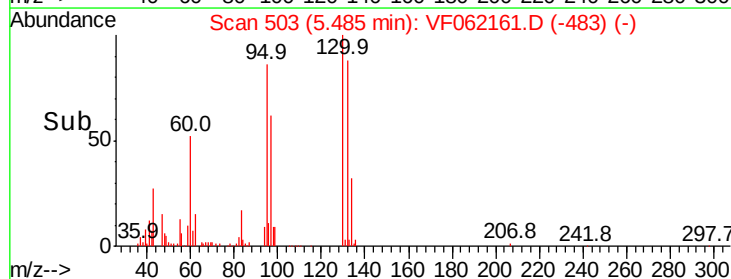
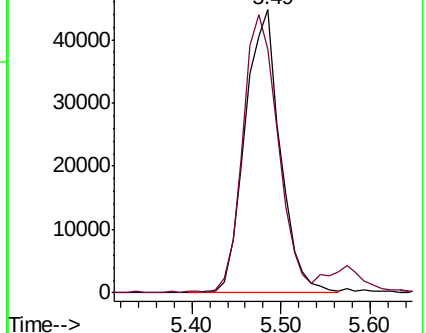
130 100

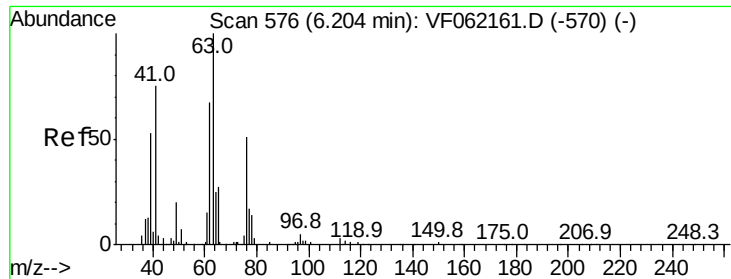
95 86.1 0.0 172.2



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 49.583 ug/l

RT: 6.20 min Scan# 576

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

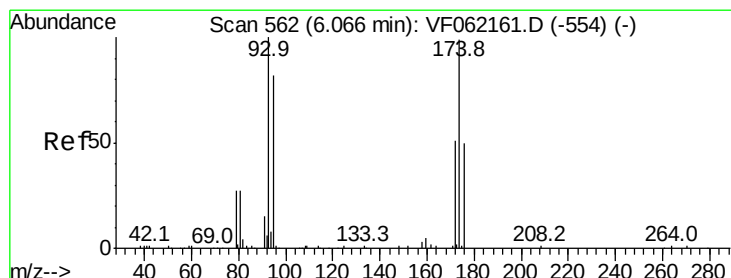
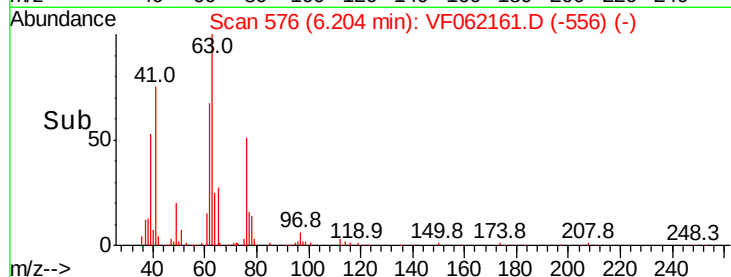
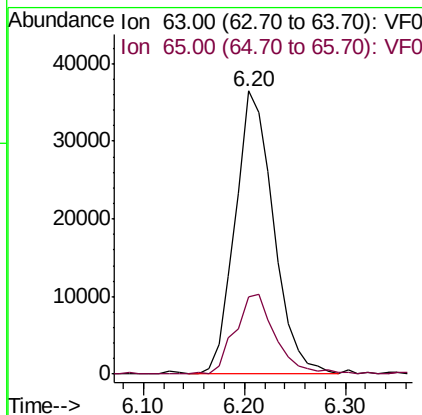
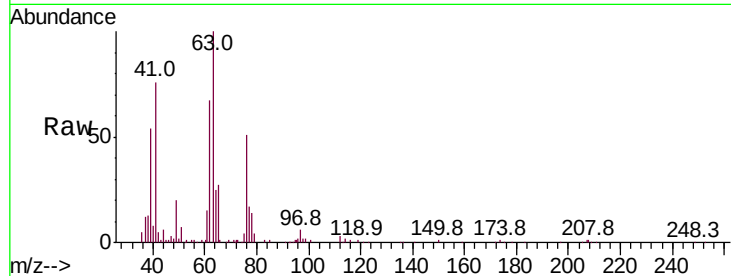
VSTDICCC050

Tot Ion: 63 Resp: 96669

Ion Ratio Lower Upper

63 100

65 27.2 21.8 32.6



#46

Dibromomethane

Concen: 52.919 ug/l

RT: 6.07 min Scan# 562

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

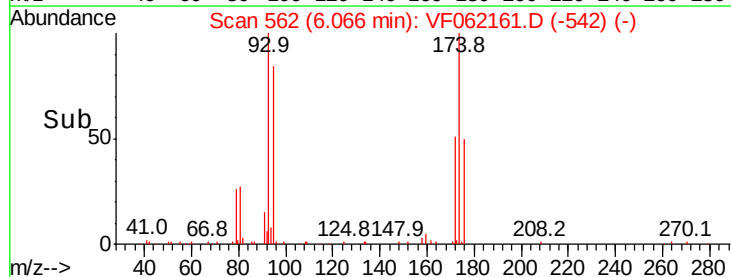
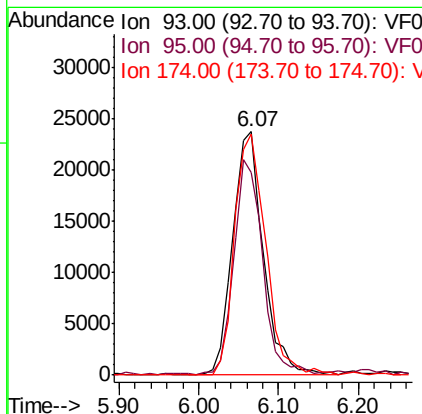
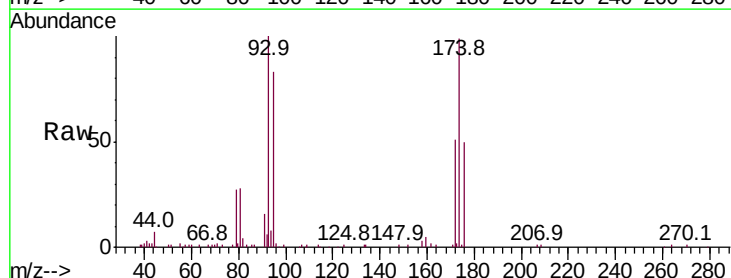
Tgt Ion: 93 Resp: 63848

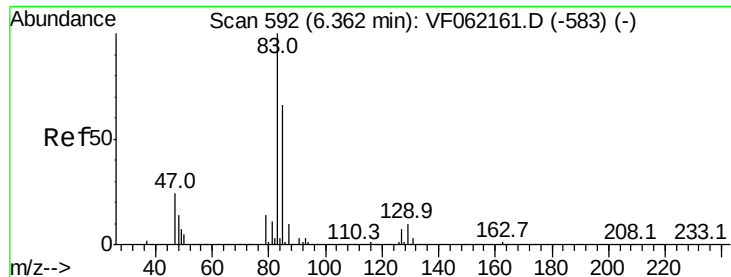
Ion Ratio Lower Upper

93 100

95 83.1 66.5 99.7

174 99.0 79.2 118.8





#47

Bromodichloromethane

Concen: 60.370 ug/l

RT: 6.36 min Scan# 592

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

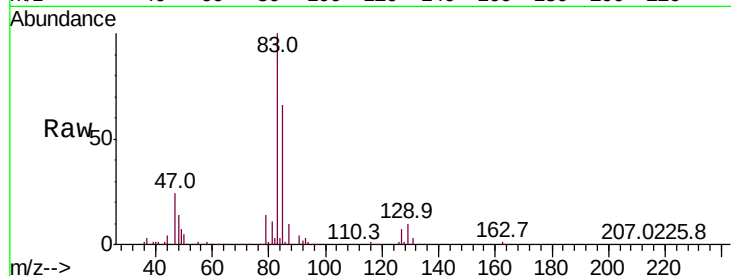
Tot Ion: 83 Resp: 166573

Ion Ratio Lower Upper

83 100

85 66.1 52.9 79.3

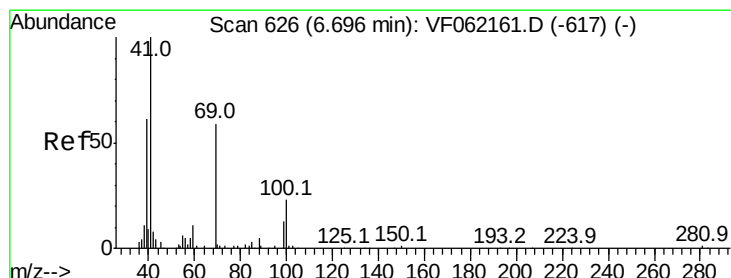
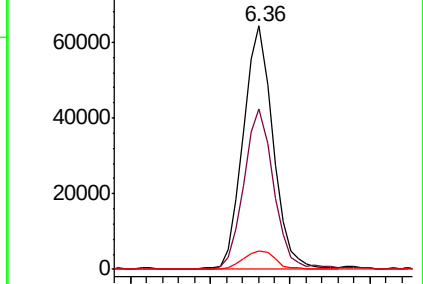
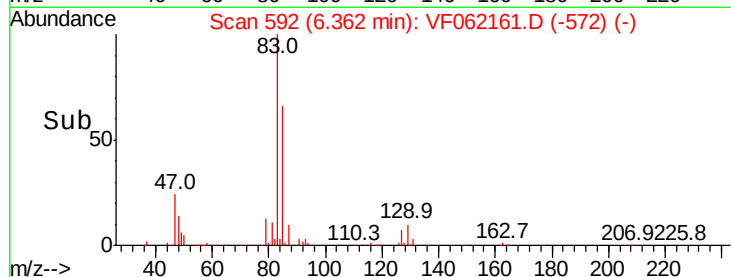
127 7.4 5.9 8.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): VF0



#48

Methyl methacrylate

Concen: 64.718 ug/l

RT: 6.70 min Scan# 626

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

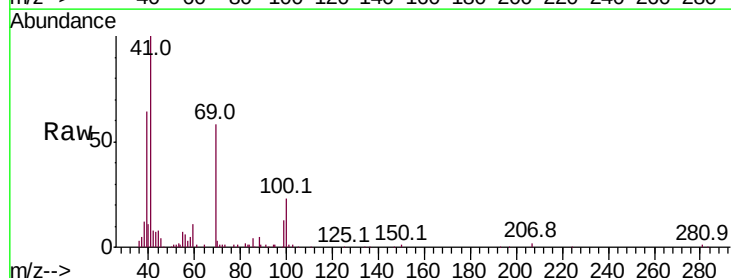
Tgt Ion: 41 Resp: 63164

Ion Ratio Lower Upper

41 100

69 58.4 46.7 70.1

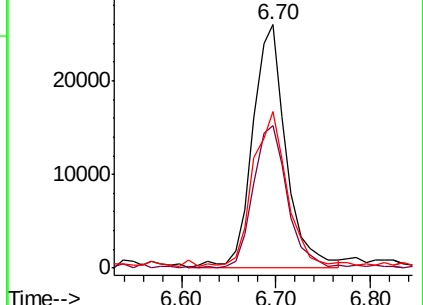
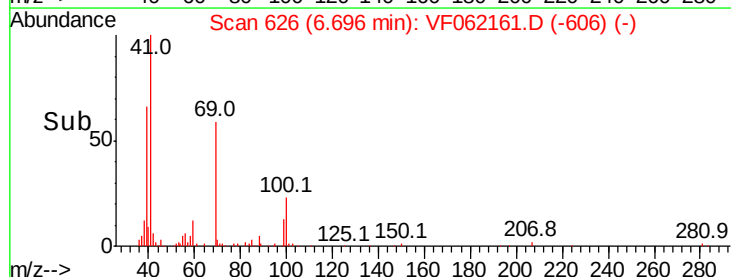
39 64.2 51.4 77.0

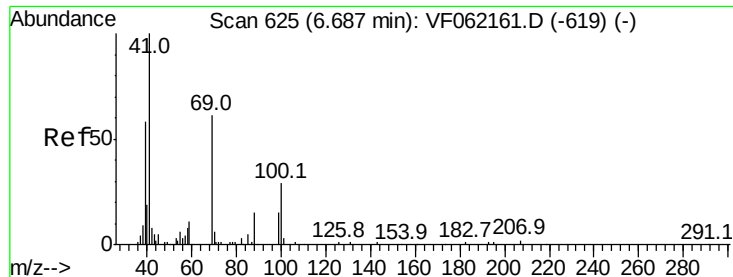


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

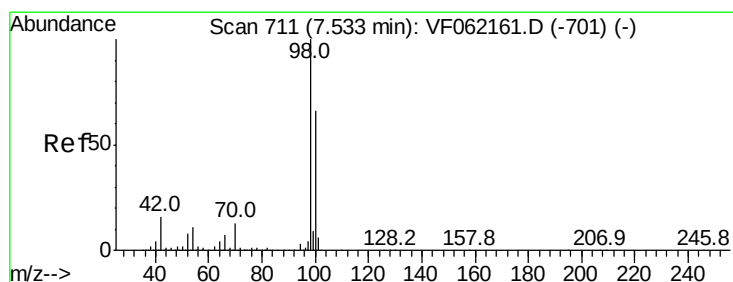
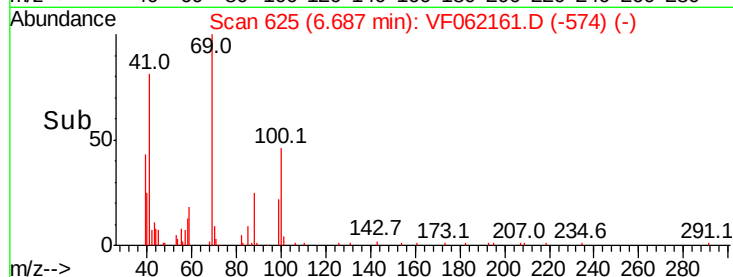
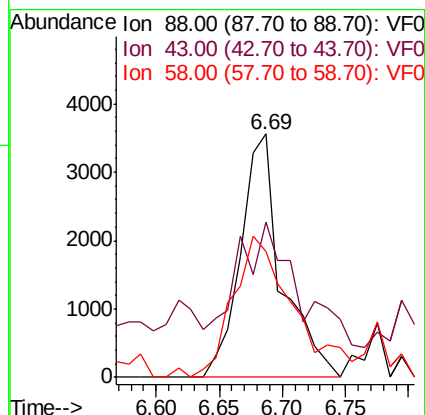
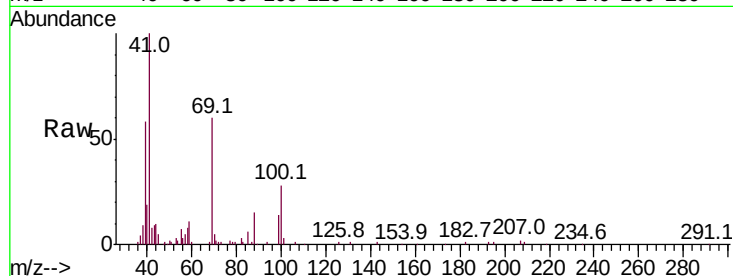




#49
1,4-Dioxane
Concen: 1020.056 ug/l
RT: 6.69 min Scan# 625
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

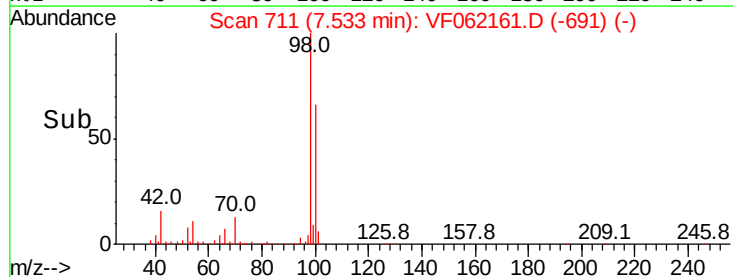
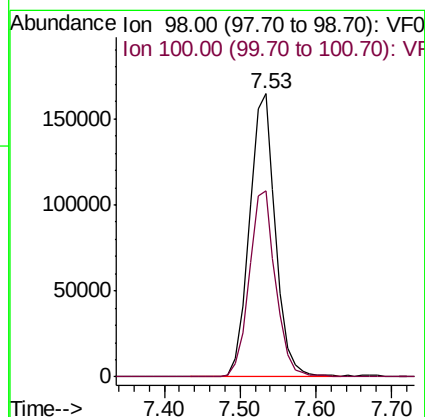
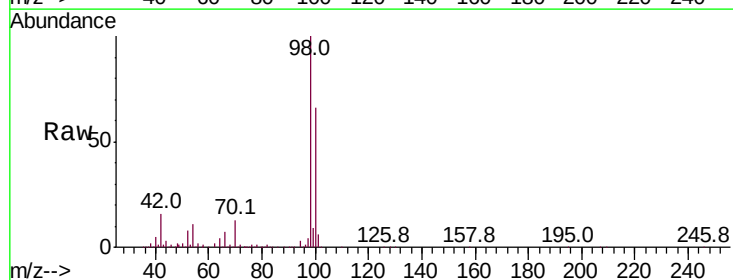
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

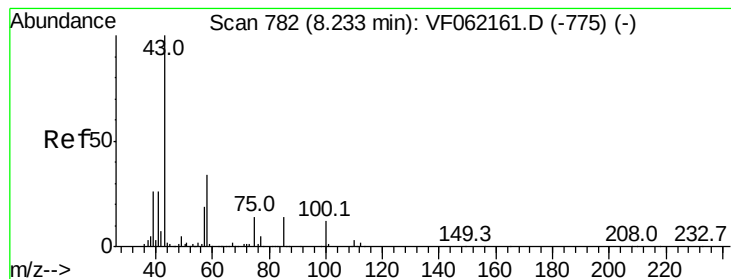
Tot Ion: 88 Resp: 8056
Ion Ratio Lower Upper
88 100
43 63.8 51.0 76.6
58 51.6 41.3 61.9



#50
Toluene-d8
Concen: 59.512 ug/l
RT: 7.53 min Scan# 711
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

Tgt Ion: 98 Resp: 391387
Ion Ratio Lower Upper
98 100
100 65.7 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 280.244 ug/l

RT: 8.23 min Scan# 782

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

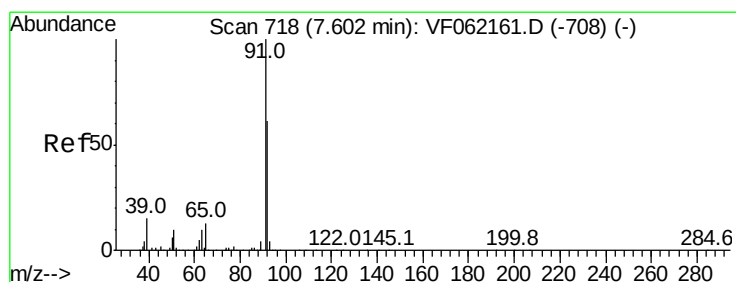
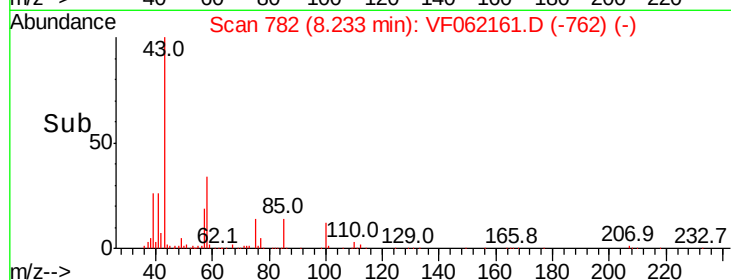
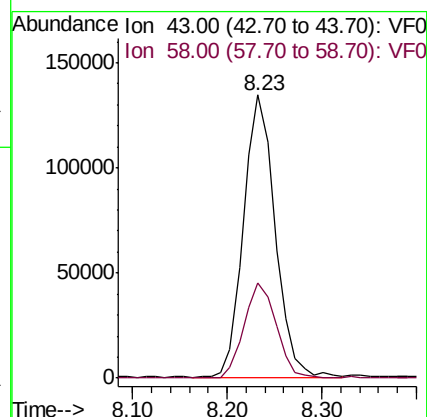
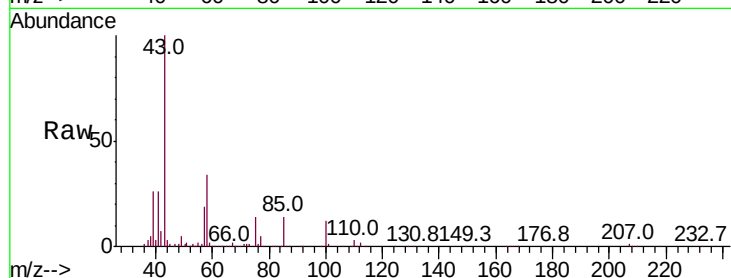
VSTDICCC050

Tot Ion: 43 Resp: 311172

Ion Ratio Lower Upper

43 100

58 33.7 27.0 40.4



#52

Toluene

Concen: 52.073 ug/l

RT: 7.60 min Scan# 718

Delta R.T. 0.00 min

Lab File: VF062161.D

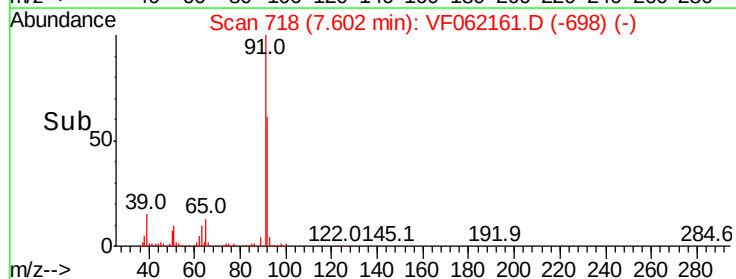
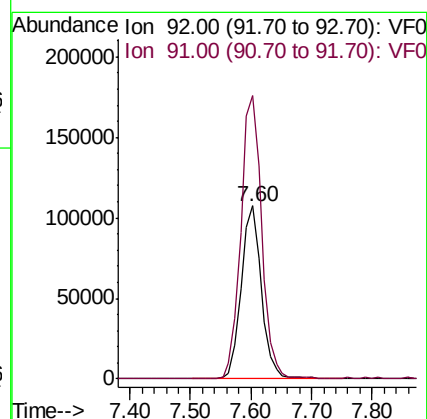
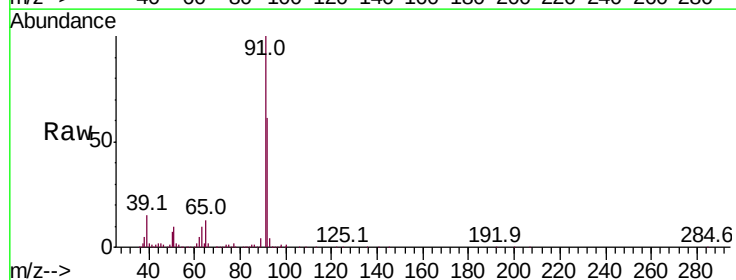
Acq: 4 Apr 2019 17:06

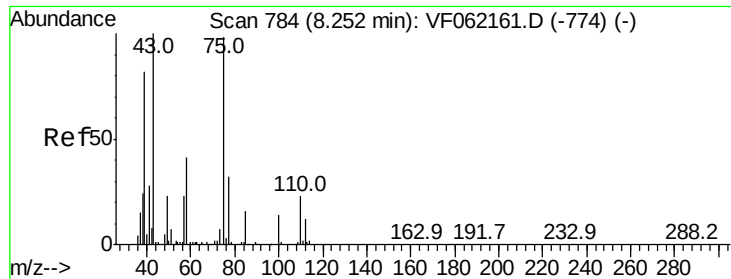
Tgt Ion: 92 Resp: 249137

Ion Ratio Lower Upper

92 100

91 163.5 130.8 196.2





#53

t-1,3-Dichloropropene

Concen: 61.888 ug/l

RT: 8.25 min Scan# 784

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

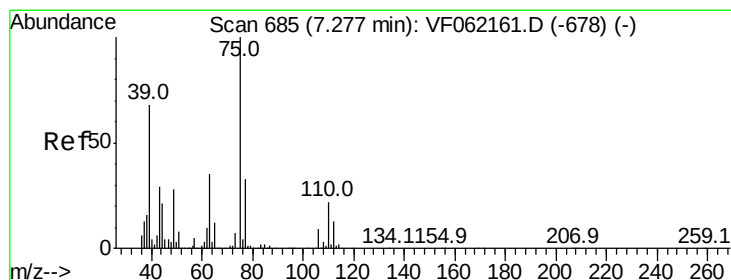
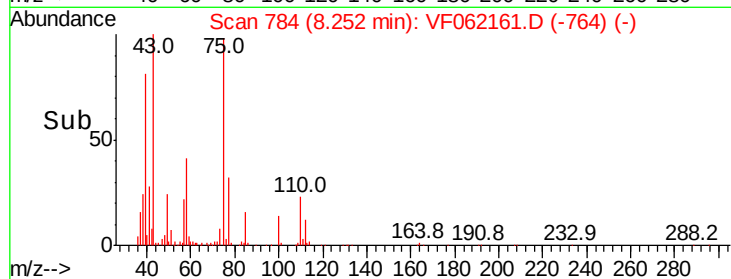
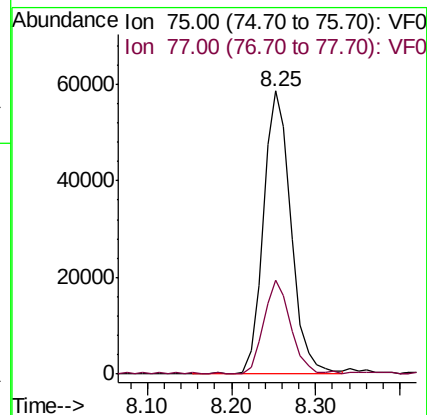
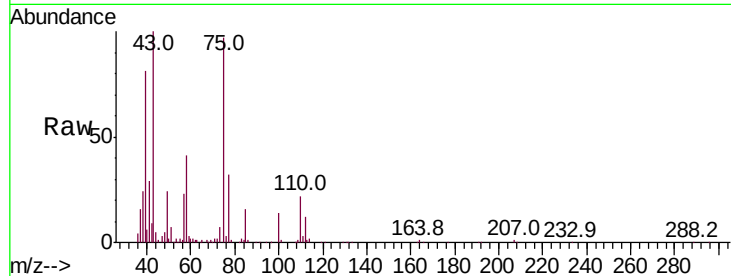
VSTDICCC050

Tot Ion: 75 Resp: 135178

Ion Ratio Lower Upper

75 100

77 33.2 26.6 39.8



#54

cis-1,3-Dichloropropene

Concen: 54.682 ug/l

RT: 7.28 min Scan# 685

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

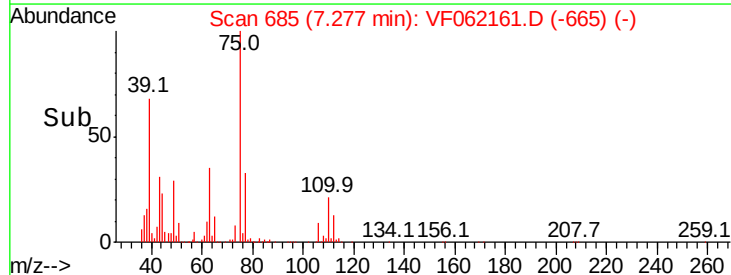
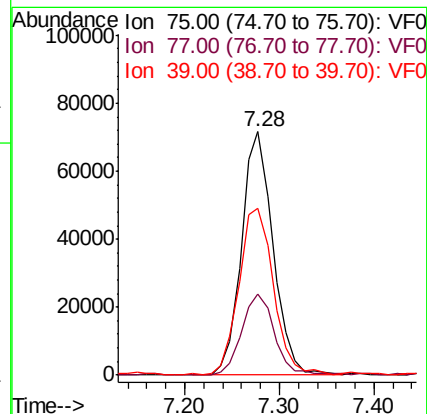
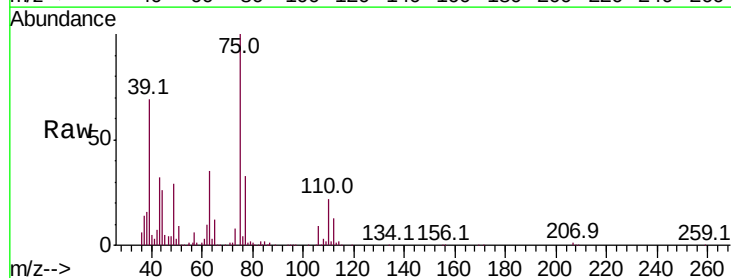
Tgt Ion: 75 Resp: 165294

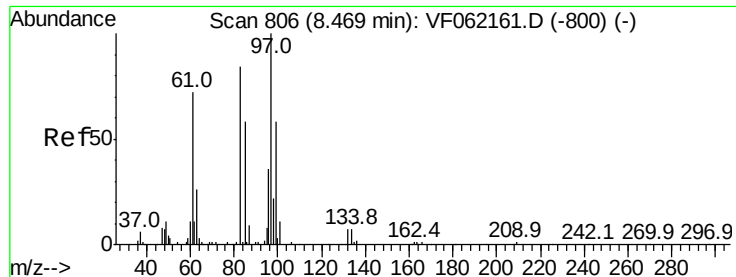
Ion Ratio Lower Upper

75 100

77 33.4 26.7 40.1

39 68.7 55.0 82.4





#55

1,1,2-Trichloroethane

Concen: 51.259 ug/l

RT: 8.47 min Scan# 806

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 97 Resp: 68864

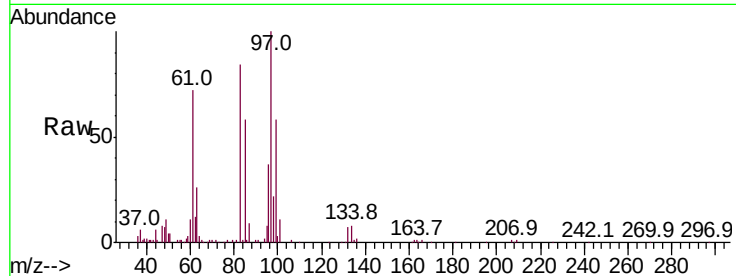
Ion Ratio Lower Upper

97 100

83 84.2 67.4 101.0

85 58.3 46.6 70.0

99 58.1 46.5 69.7

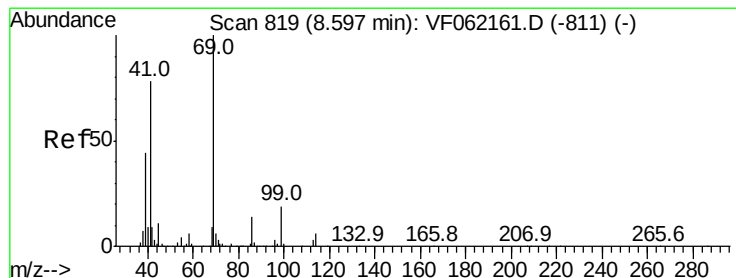
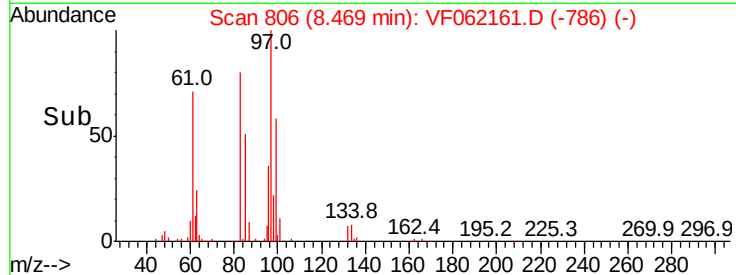
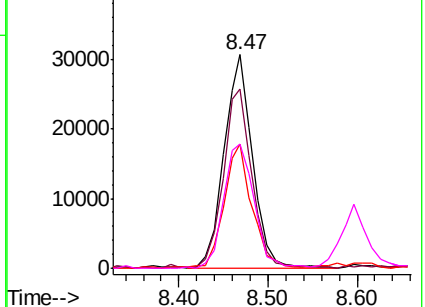


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 56.366 ug/l

RT: 8.60 min Scan# 819

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

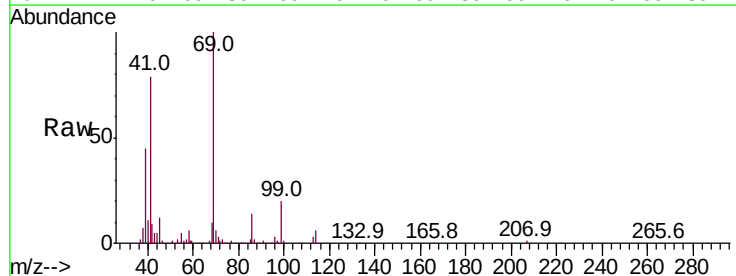
Tgt Ion: 69 Resp: 92128

Ion Ratio Lower Upper

69 100

41 78.7 63.0 94.4

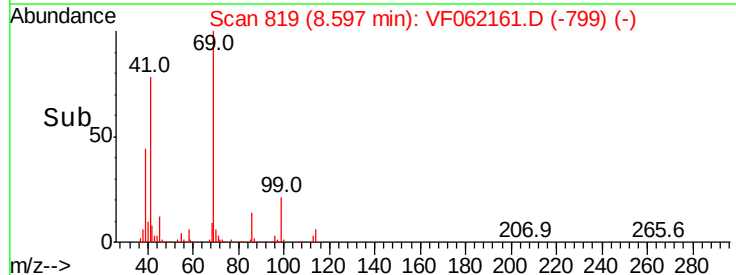
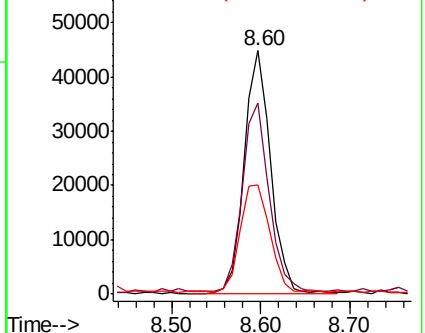
39 45.1 36.1 54.1

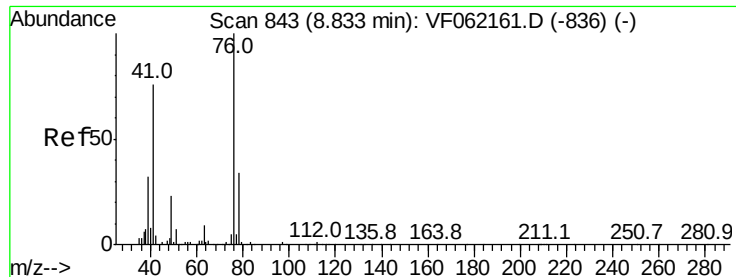


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 51.703 ug/l

RT: 8.83 min Scan# 843

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

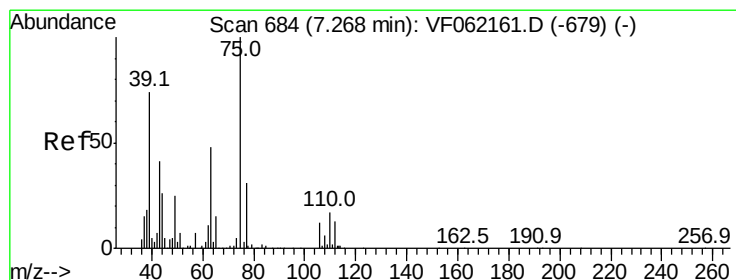
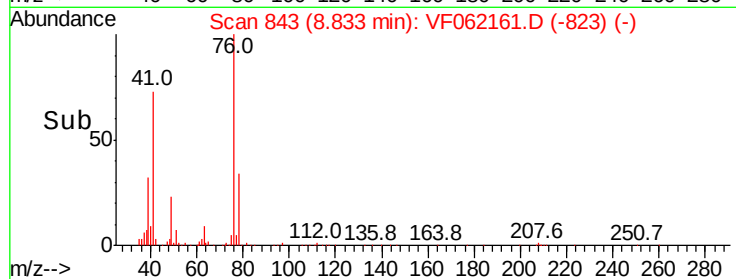
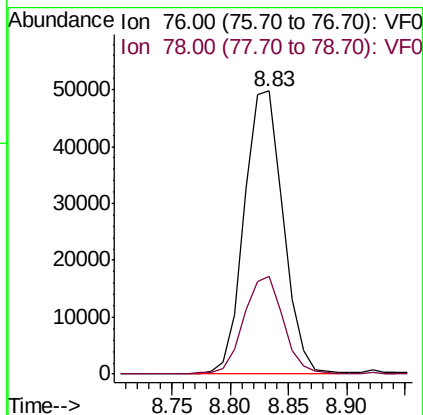
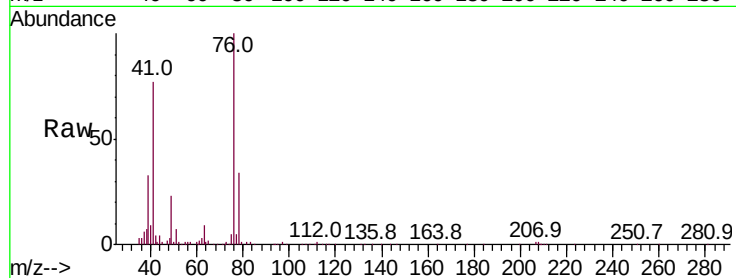
VSTDICCC050

Tot Ion: 76 Resp: 115217

Ion Ratio Lower Upper

76 100

78 34.3 27.4 41.2



#58

2-Chloroethyl Vinyl ether

Concen: 277.252 ug/l

RT: 7.27 min Scan# 684

Delta R.T. 0.00 min

Lab File: VF062161.D

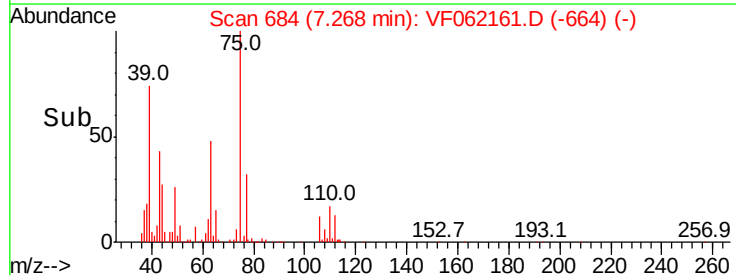
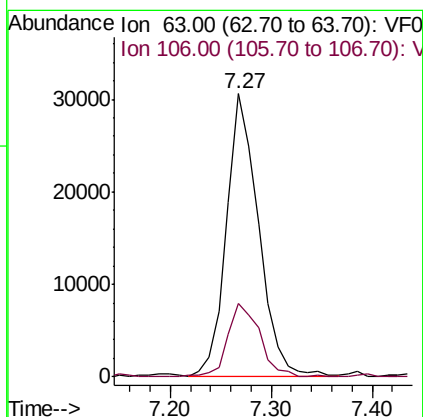
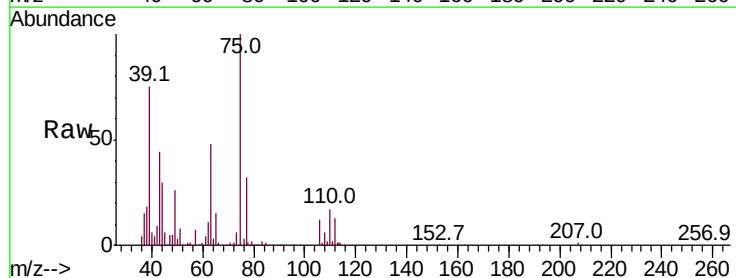
Acq: 4 Apr 2019 17:06

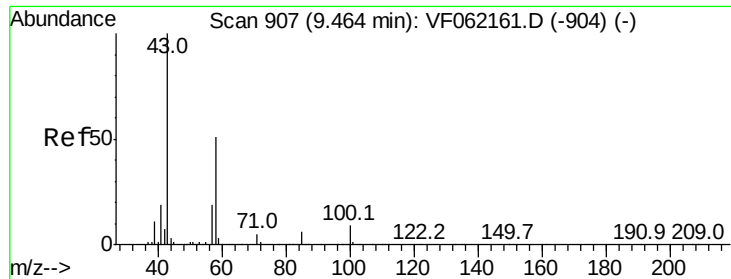
Tgt Ion: 63 Resp: 68050

Ion Ratio Lower Upper

63 100

106 25.8 20.6 31.0

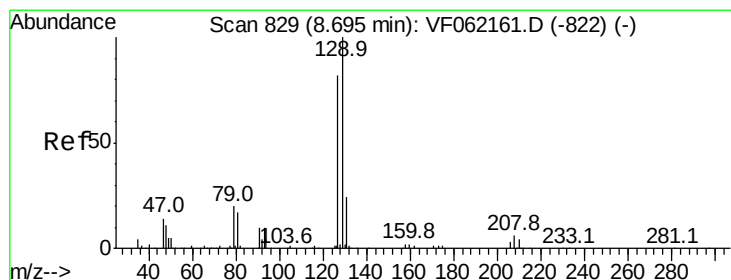
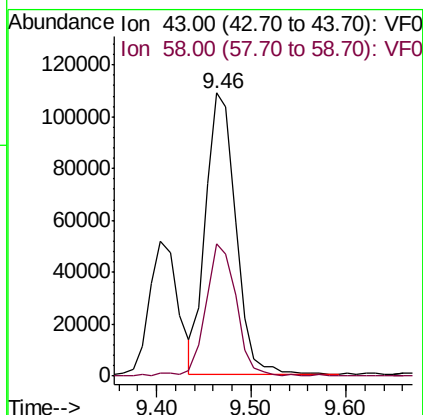
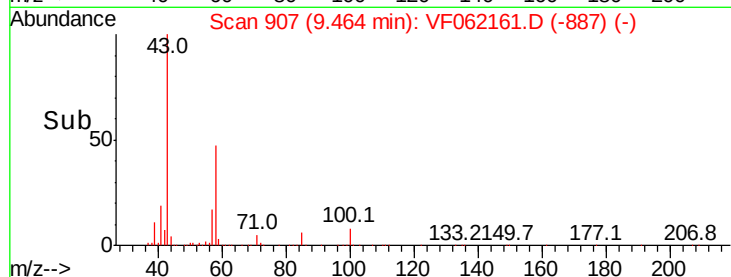
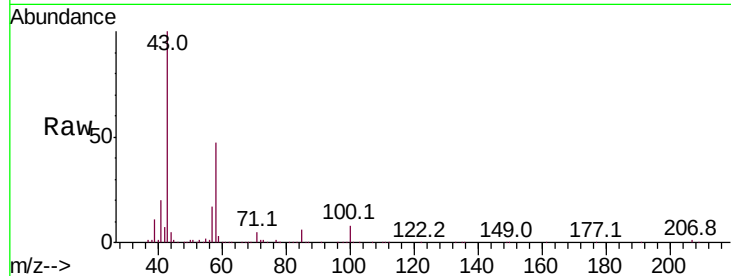




#59
2-Hexanone
Concen: 297.042 ug/l
RT: 9.46 min Scan# 907
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

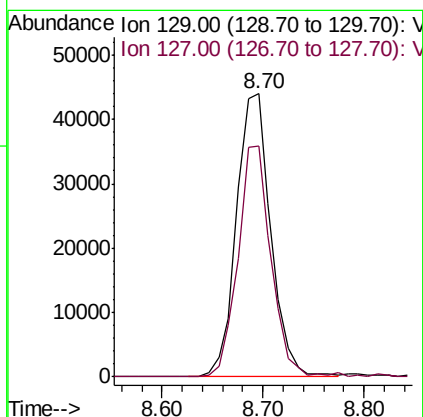
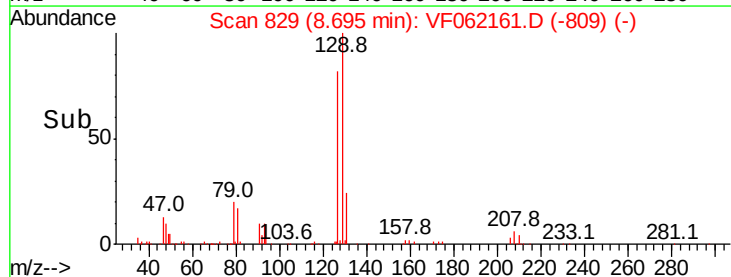
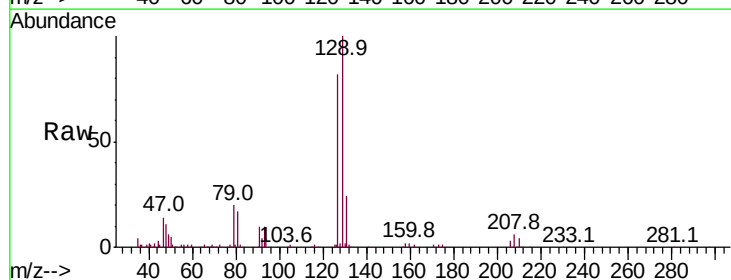
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

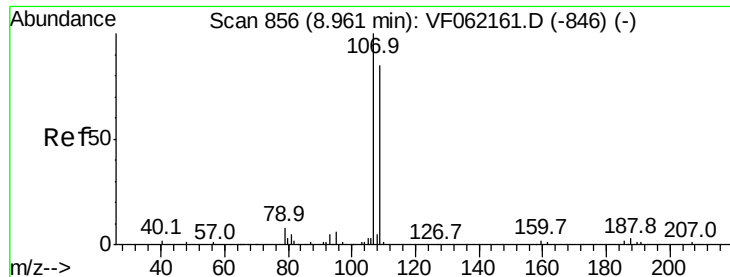
Tot Ion: 43 Resp: 240095
Ion Ratio Lower Upper
43 100
58 46.6 23.3 69.9



#60
Dibromochloromethane
Concen: 54.763 ug/l
RT: 8.70 min Scan# 829
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

Tgt Ion: 129 Resp: 103654
Ion Ratio Lower Upper
129 100
127 81.8 40.9 122.7





#61

1,2-Dibromoethane

Concen: 52.589 ug/l

RT: 8.96 min Scan# 856

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

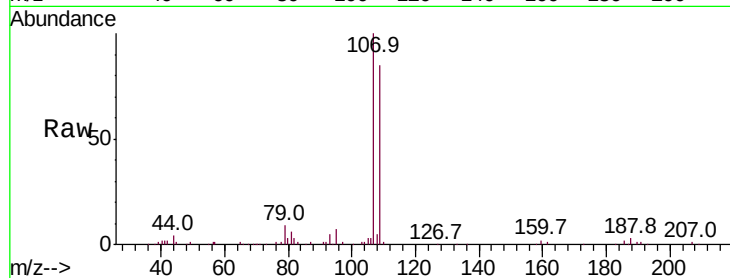
VSTDICCC050

Tot Ion:107 Resp: 75293

Ion Ratio Lower Upper

107 100

109 85.5 68.4 102.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.96

40000

30000

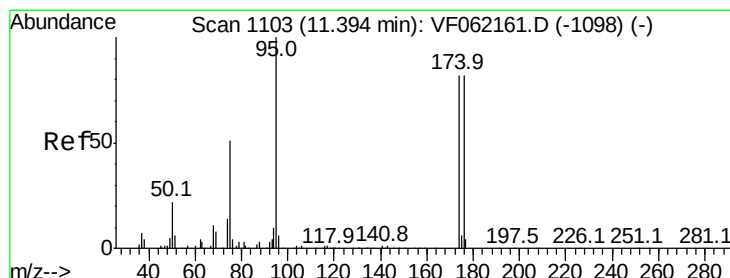
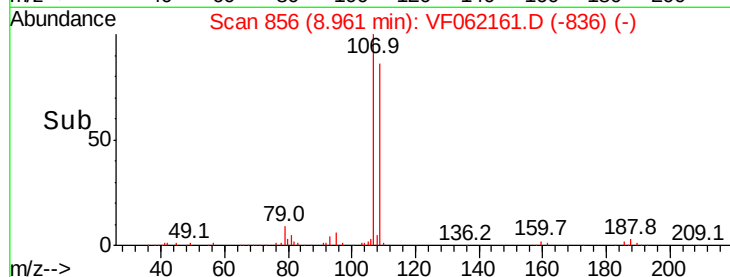
20000

10000

0

8.80 8.90 9.00

Time-->



#62

4-Bromofluorobenzene

Concen: 59.220 ug/l

RT: 11.39 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

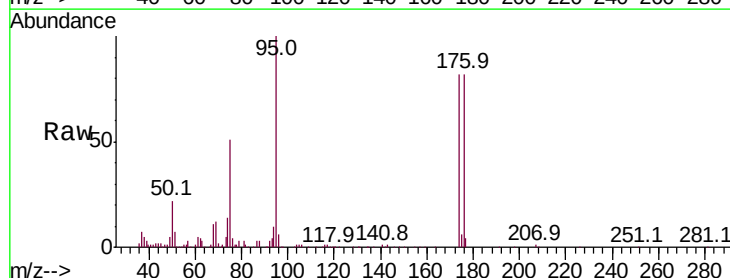
Tgt Ion: 95 Resp: 151649

Ion Ratio Lower Upper

95 100

174 82.4 0.0 164.8

176 82.3 0.0 164.6



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

120000

100000

80000

60000

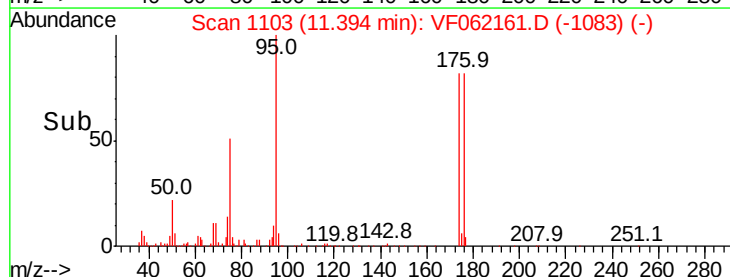
40000

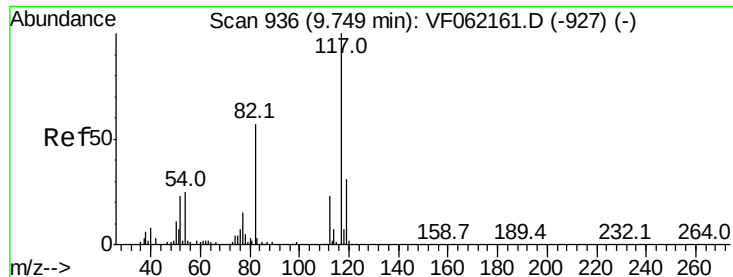
20000

0

11.30 11.40 11.50 11.60

Time-->

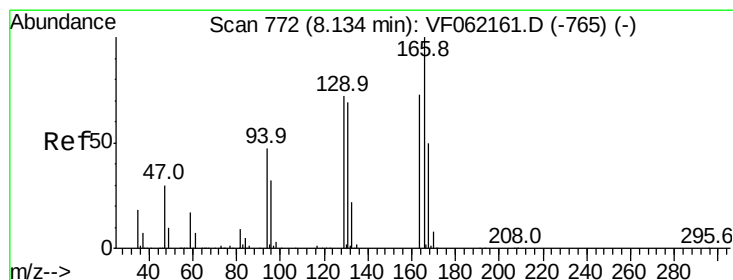
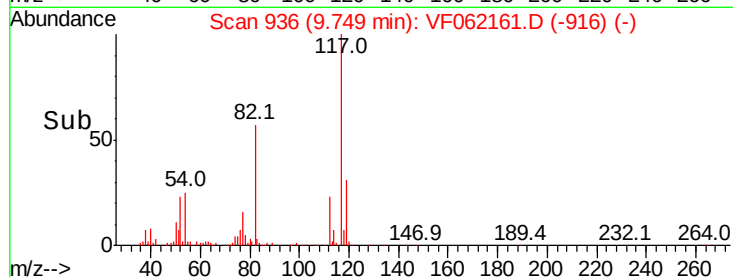
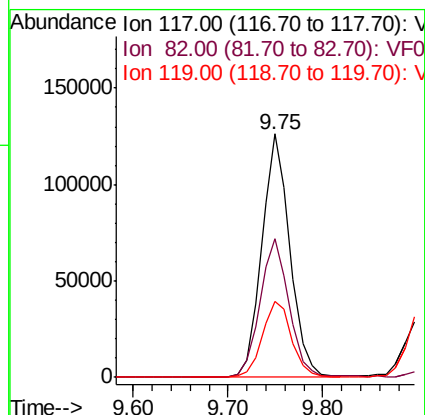
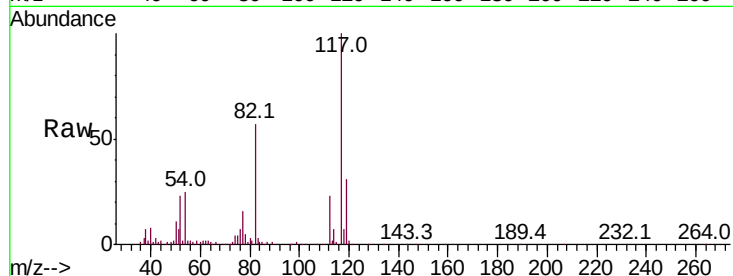




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 936
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

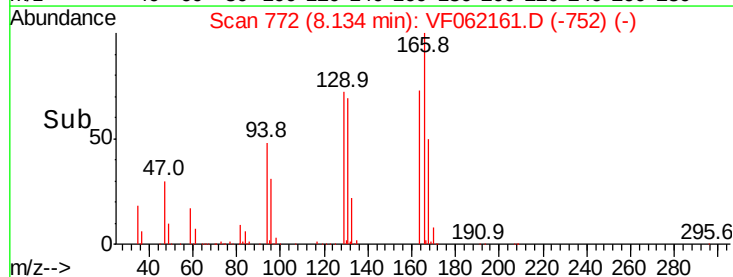
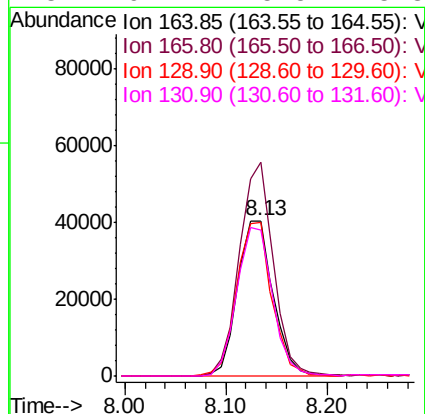
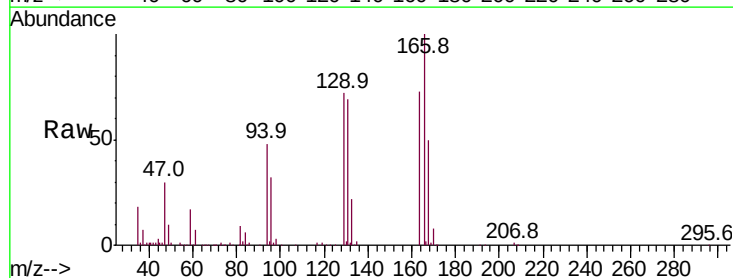
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

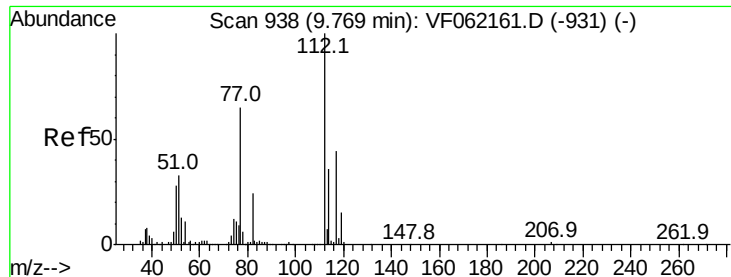
Tot Ion:117 Resp: 260836
Ion Ratio Lower Upper
117 100
82 56.9 45.5 68.3
119 31.1 24.9 37.3



#64
Tetrachloroethene
Concen: 49.404 ug/l
RT: 8.13 min Scan# 772
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

Tgt Ion:164 Resp: 99249
Ion Ratio Lower Upper
164 100
166 137.7 110.2 165.2
129 98.8 79.0 118.6
131 94.4 75.5 113.3





#65

Chlorobenzene

Concen: 53.014 ug/l

RT: 9.77 min Scan# 938

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

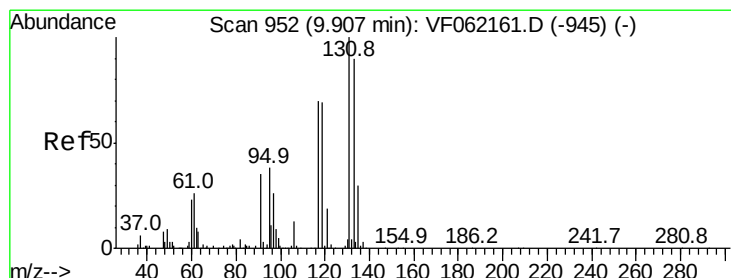
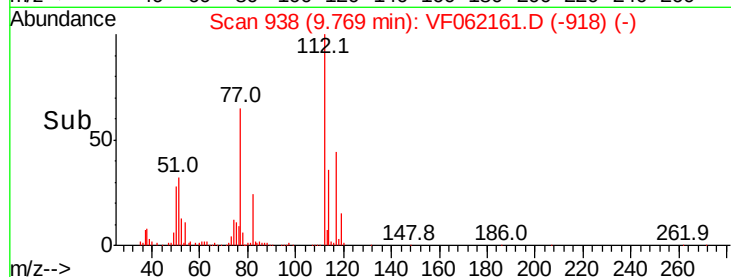
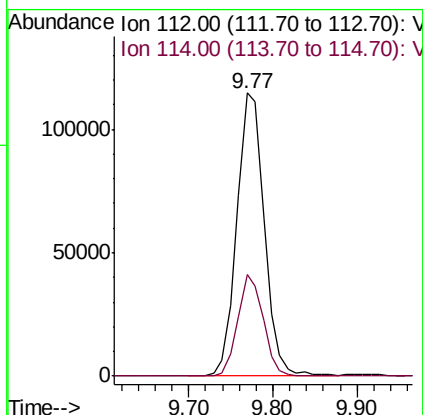
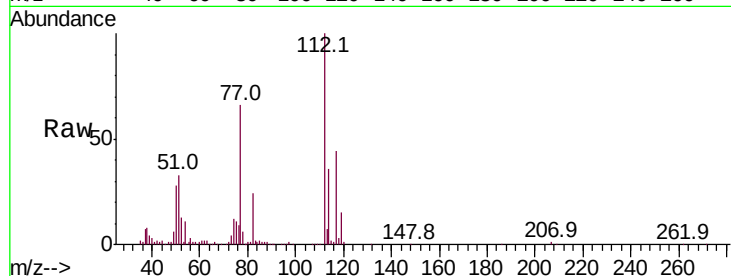
VSTDICCC050

Tot Ion:112 Resp: 261076

Ion Ratio Lower Upper

112 100

114 35.8 28.6 43.0



#66

1,1,1,2-Tetrachloroethane

Concen: 57.097 ug/l

RT: 9.91 min Scan# 952

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

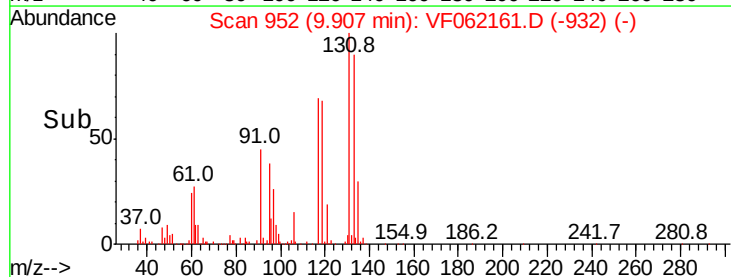
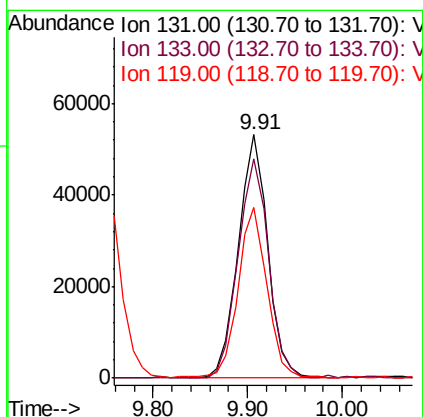
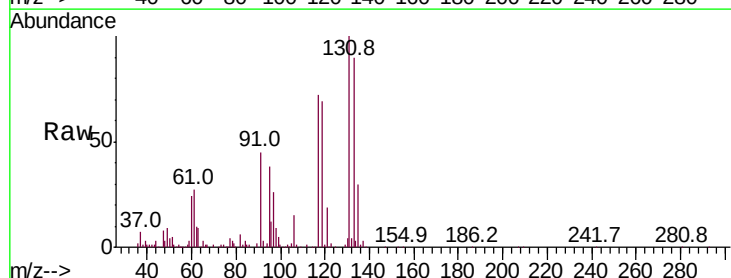
Tgt Ion:131 Resp: 114747

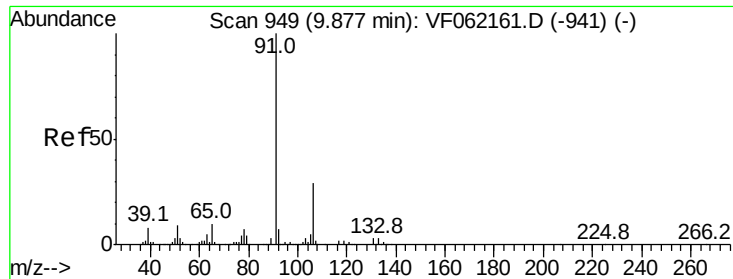
Ion Ratio Lower Upper

131 100

133 90.2 45.1 135.3

119 69.8 34.9 104.7

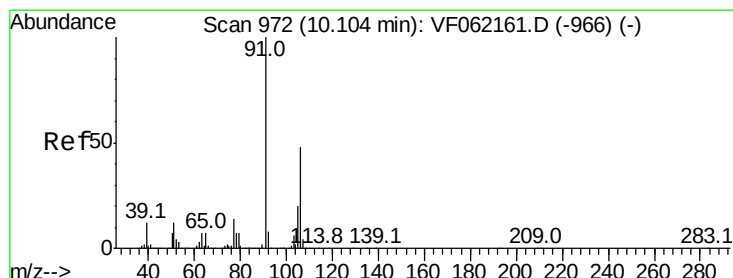
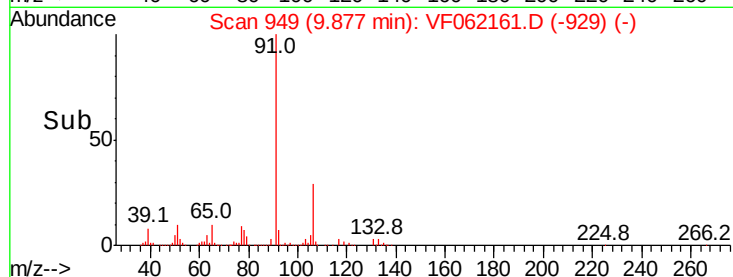
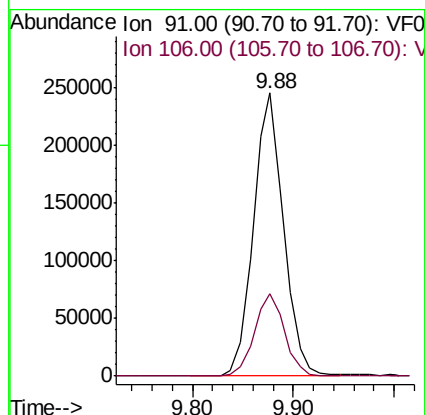
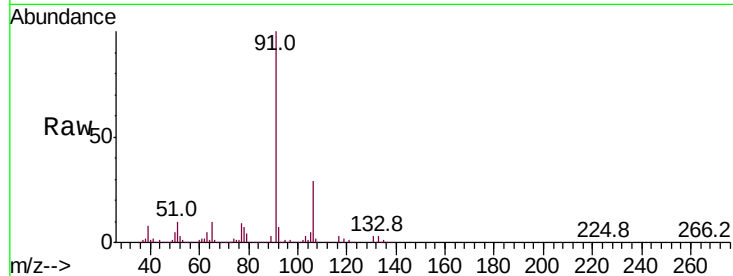




#67
Ethyl Benzene
Concen: 57.920 ug/l
RT: 9.88 min Scan# 949
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

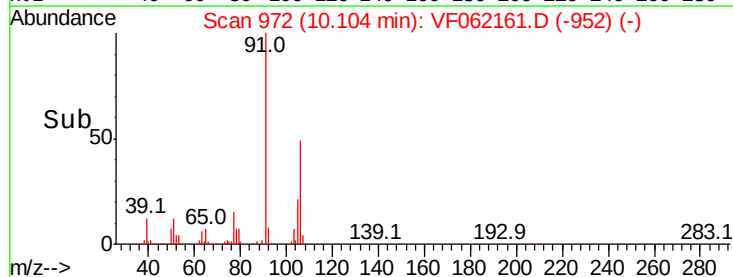
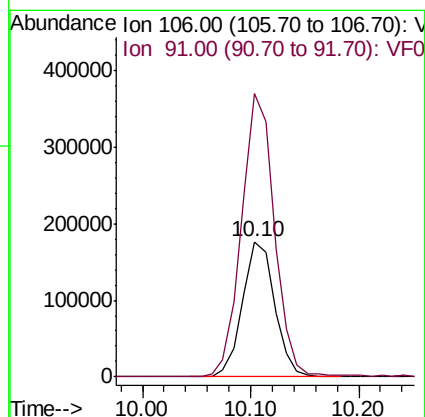
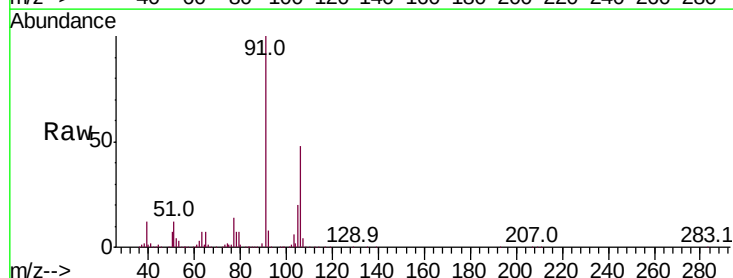
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

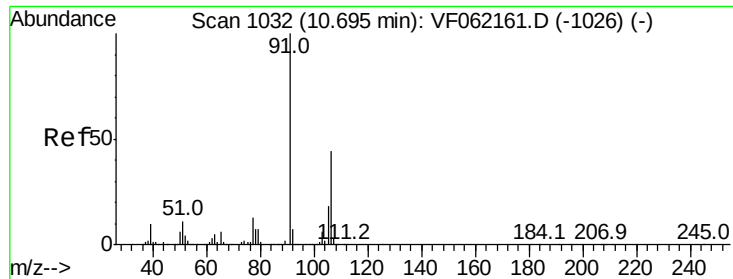
Tot Ion: 91 Resp: 507403
Ion Ratio Lower Upper
91 100
106 29.0 23.2 34.8



#68
m/p-Xylenes
Concen: 112.948 ug/l
RT: 10.10 min Scan# 972
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

Tgt Ion: 106 Resp: 368186
Ion Ratio Lower Upper
106 100
91 209.1 167.3 250.9

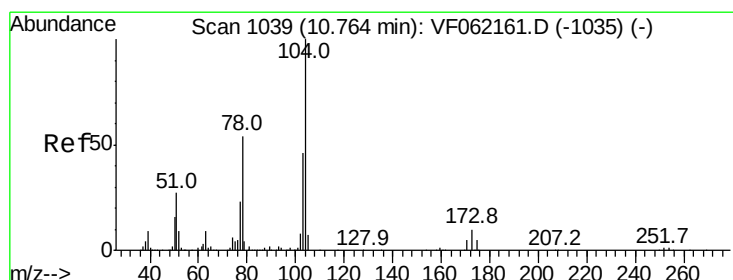
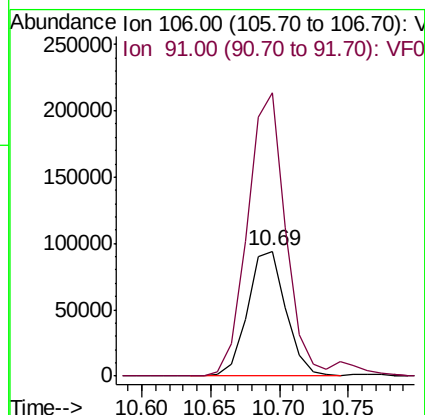
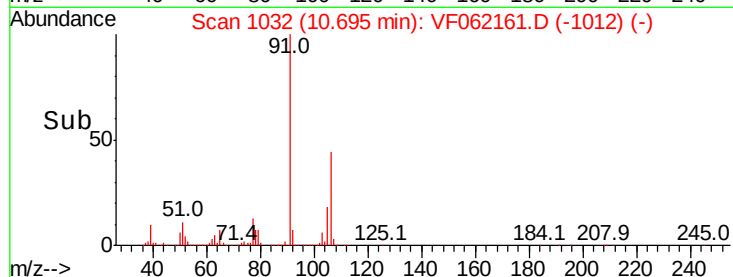
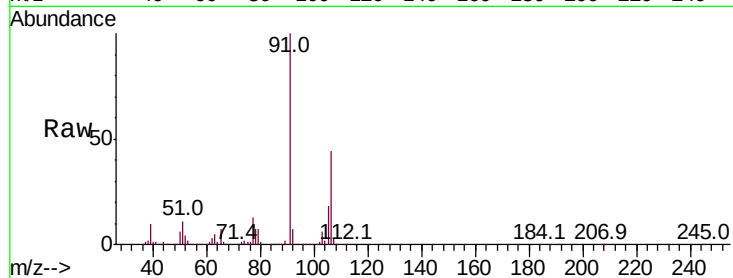




#69
o-Xylene
Concen: 54.823 ug/l
RT: 10.69 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

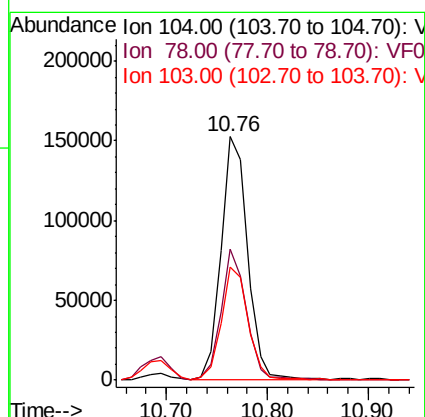
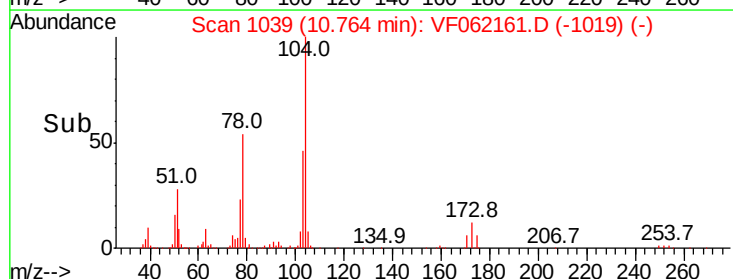
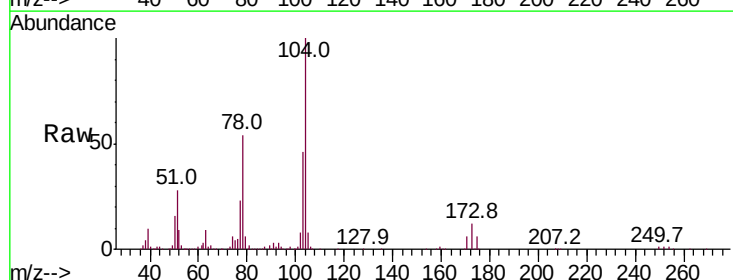
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

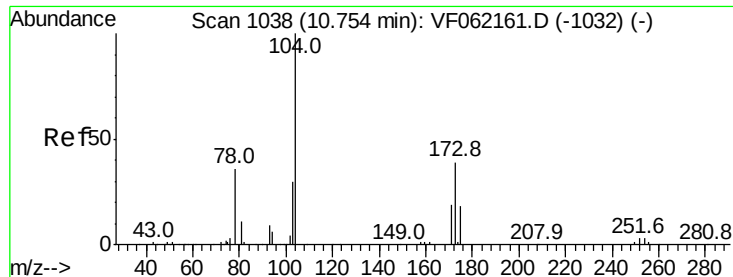
Tot Ion:106 Resp: 183056
Ion Ratio Lower Upper
106 100
91 226.7 113.3 340.1



#70
Styrene
Concen: 54.086 ug/l
RT: 10.76 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

Tgt Ion:104 Resp: 278804
Ion Ratio Lower Upper
104 100
78 53.9 43.1 64.7
103 46.3 37.0 55.6





#71

Bromoform

Concen: 57.192 ug/l

RT: 10.75 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

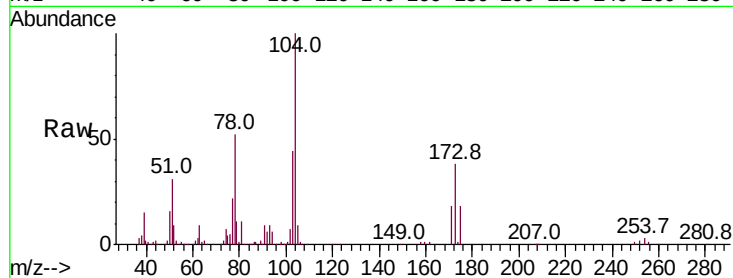
Tot Ion:173 Resp: 59015

Ion Ratio Lower Upper

173 100

175 45.8 22.9 68.7

254 8.4 6.7 10.1

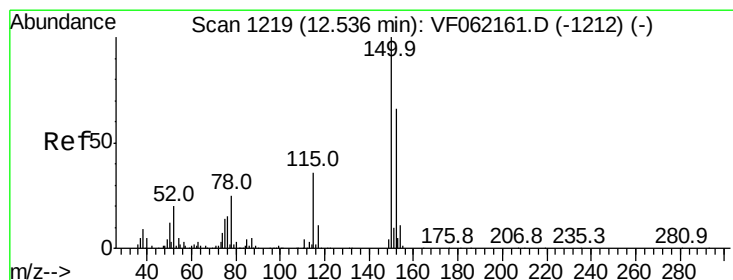
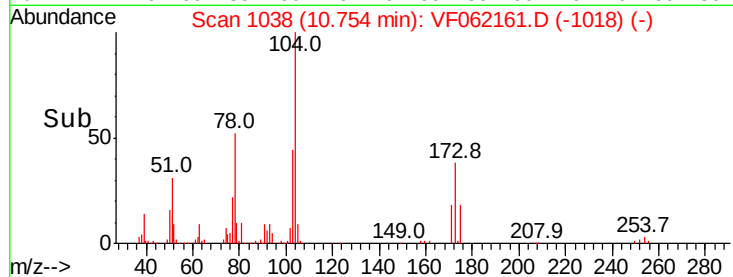
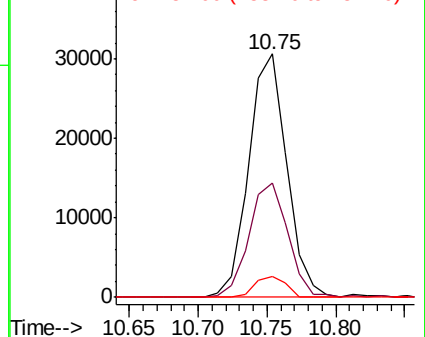


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

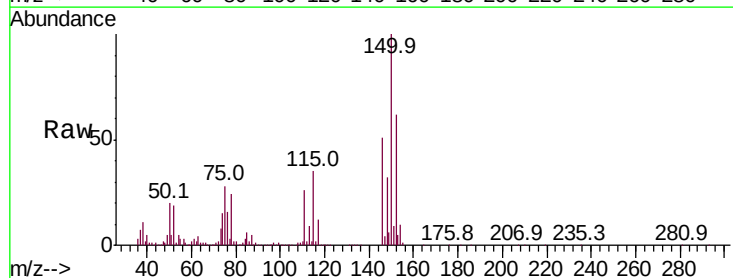
Tgt Ion:152 Resp: 132408

Ion Ratio Lower Upper

152 100

115 56.6 28.3 84.9

150 161.3 0.0 322.6

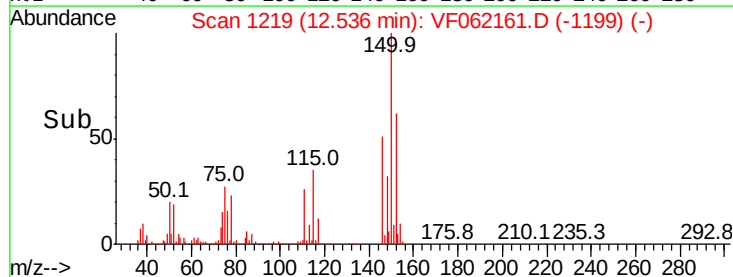
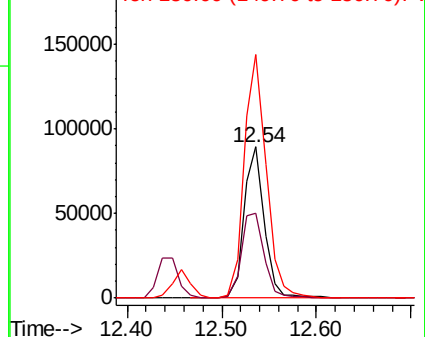


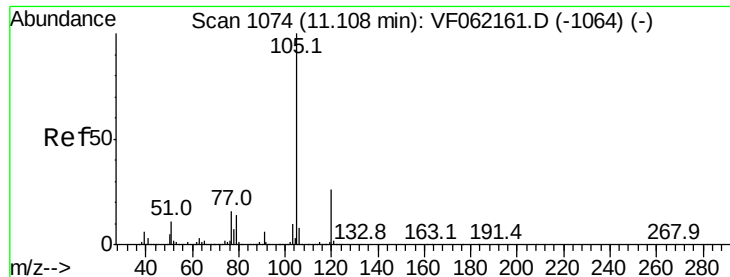
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 55.499 ug/l

RT: 11.11 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

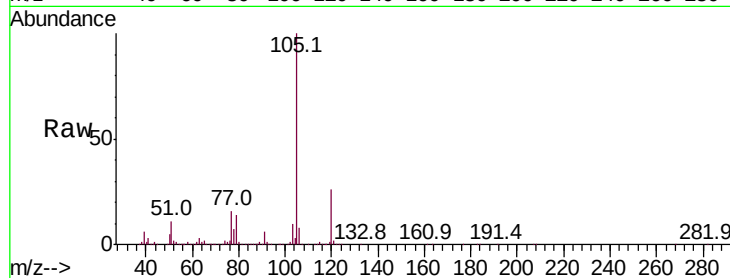
VSTDICCC050

Tot Ion:105 Resp: 525355

Ion Ratio Lower Upper

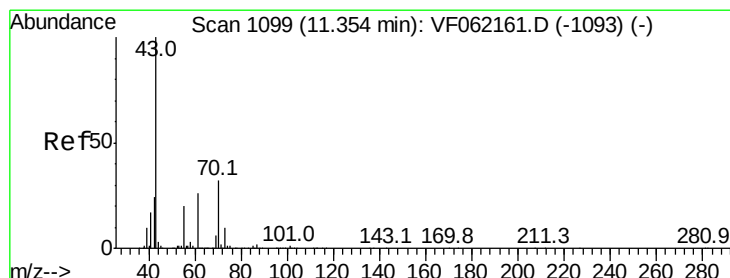
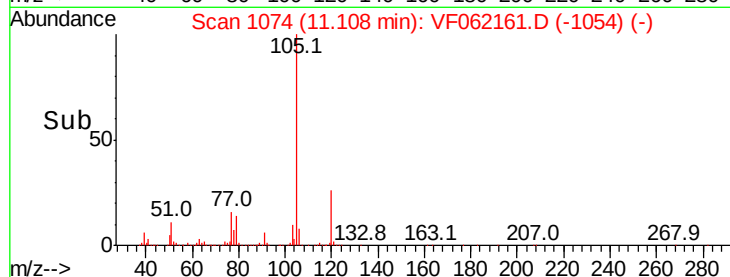
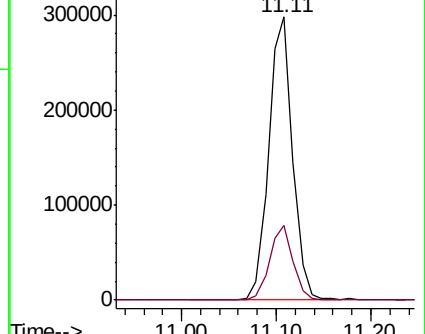
105 100

120 26.2 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 61.209 ug/l

RT: 11.35 min Scan# 1099

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Tgt Ion: 43 Resp: 140576

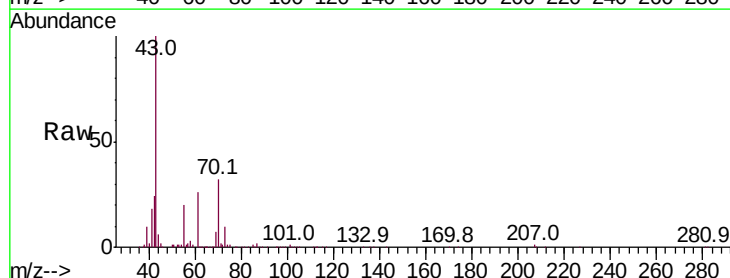
Ion Ratio Lower Upper

43 100

70 32.4 25.9 38.9

55 20.4 16.3 24.5

61 26.0 20.8 31.2

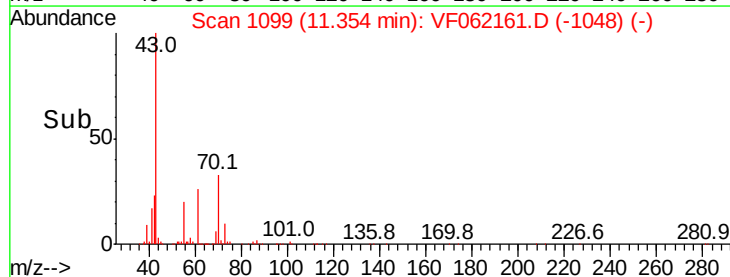
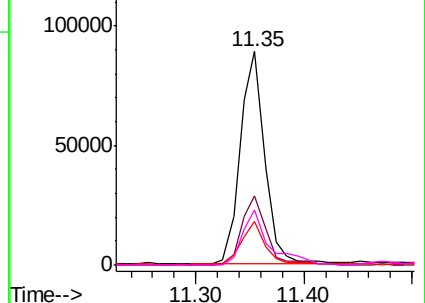


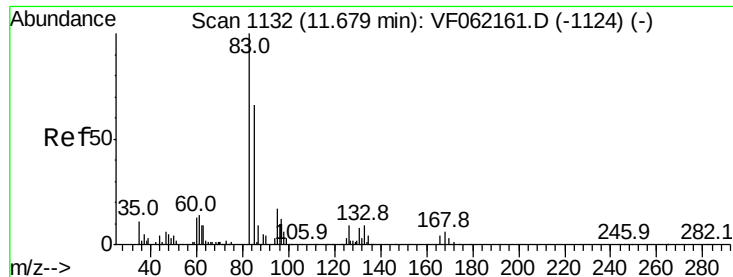
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.367 ug/l

RT: 11.68 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

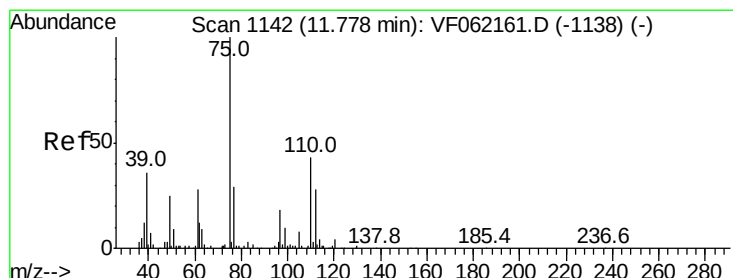
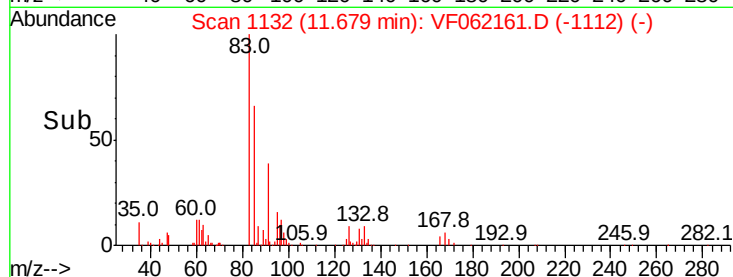
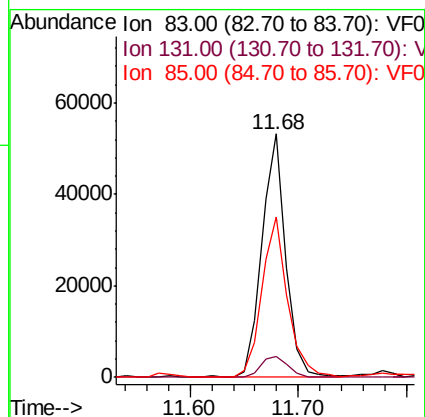
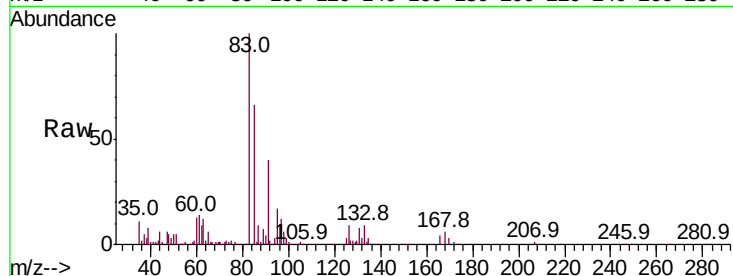
Tot Ion: 83 Resp: 81721

Ion Ratio Lower Upper

83 100

131 8.5 4.3 12.8

85 66.1 33.1 99.2



#76

1,2,3-Trichloropropane

Concen: 56.546 ug/l

RT: 11.78 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF062161.D

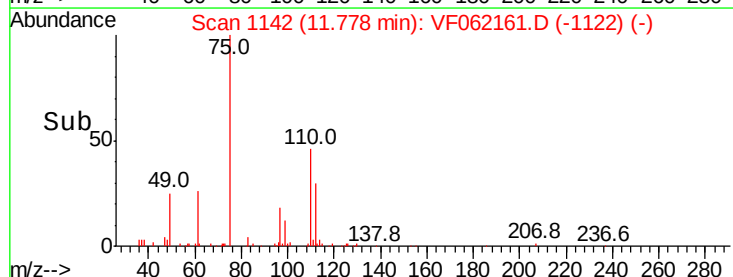
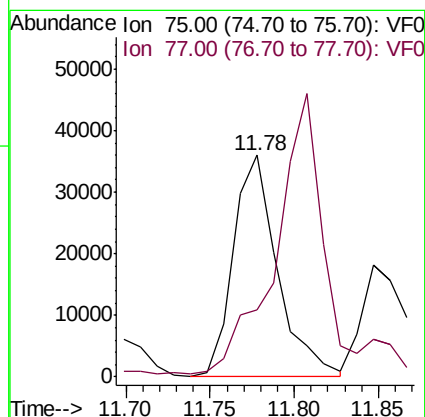
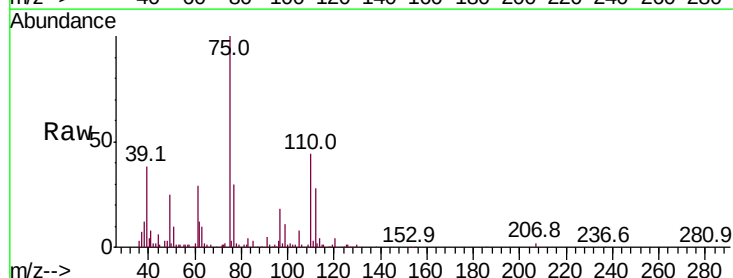
Acq: 4 Apr 2019 17:06

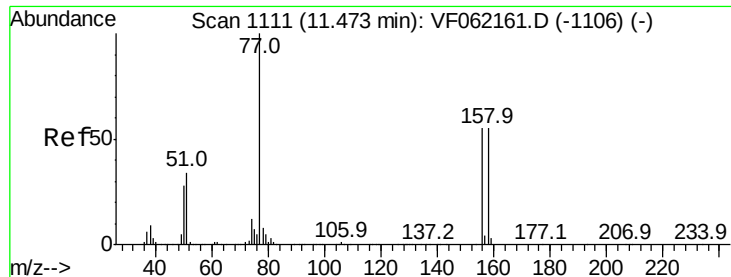
Tgt Ion: 75 Resp: 65476

Ion Ratio Lower Upper

75 100

77 30.0 15.0 45.0





#77

Bromobenzene

Concen: 50.130 ug/l

RT: 11.47 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

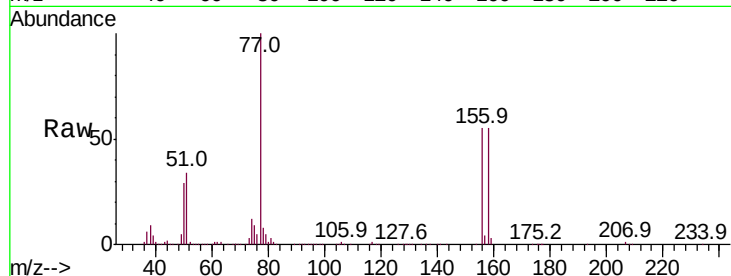
Tot Ion:156 Resp: 114349

Ion Ratio Lower Upper

156 100

77 181.9 91.0 272.8

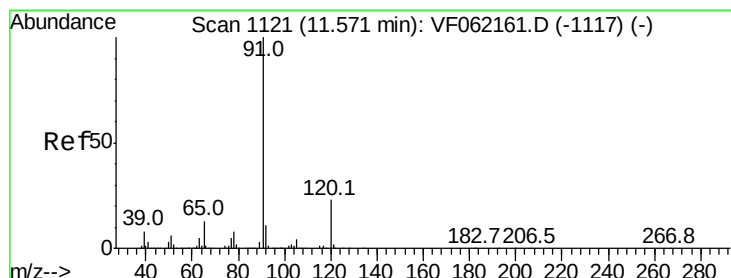
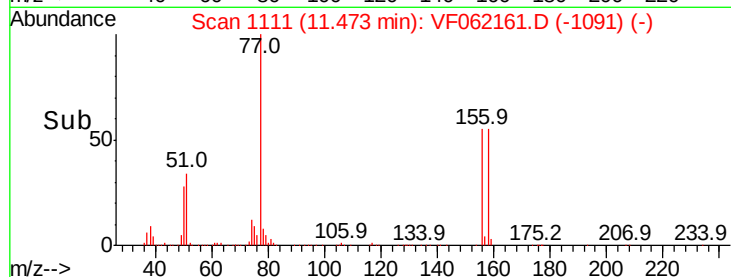
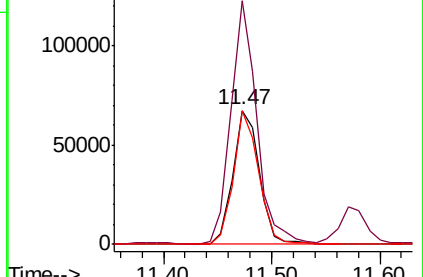
158 99.4 49.7 149.1



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 57.460 ug/l

RT: 11.57 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF062161.D

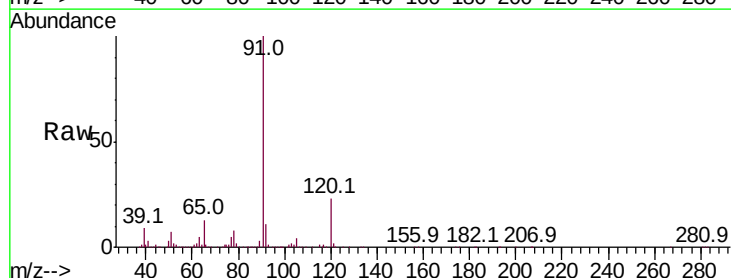
Acq: 4 Apr 2019 17:06

Tgt Ion: 91 Resp: 639402

Ion Ratio Lower Upper

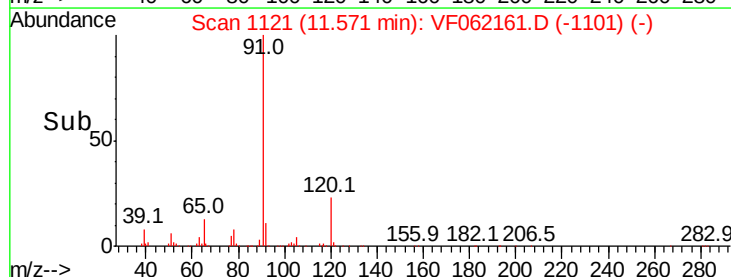
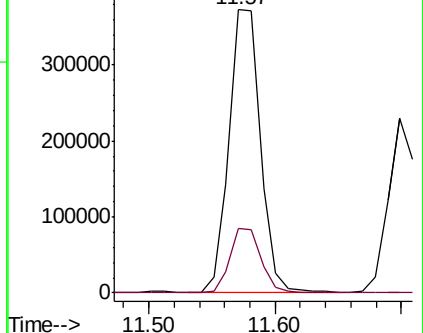
91 100

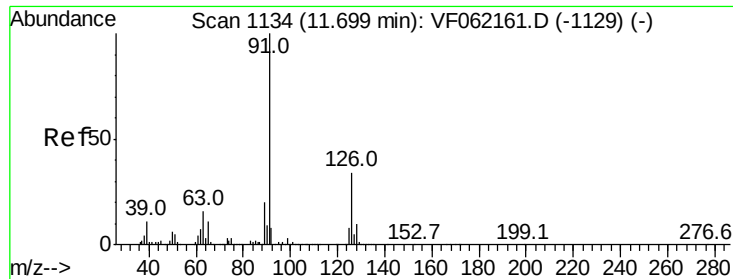
120 22.8 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 57.945 ug/l

RT: 11.70 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

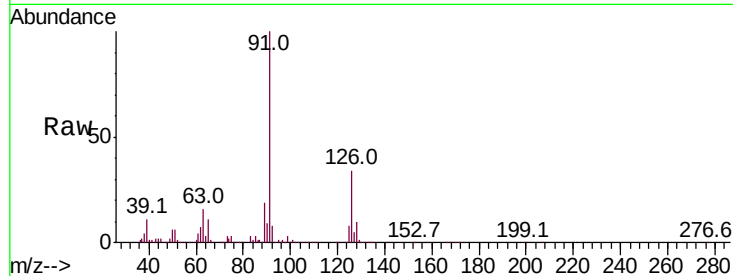
VSTDICCC050

Tot Ion: 91 Resp: 357394

Ion Ratio Lower Upper

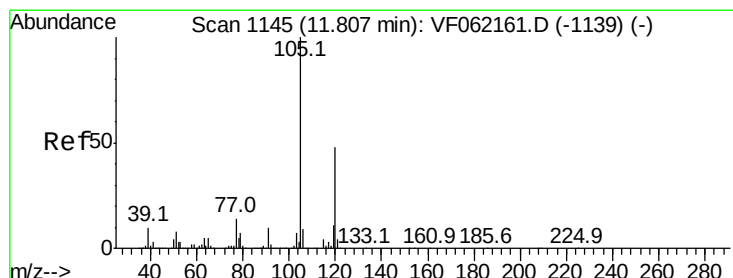
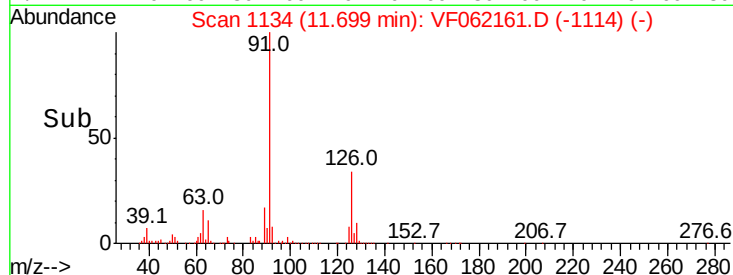
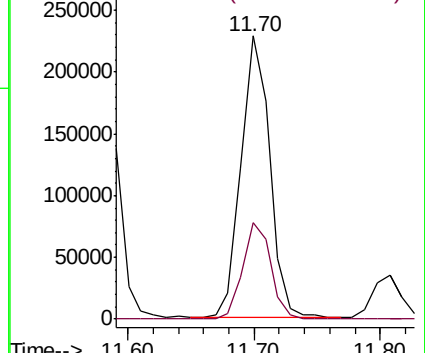
91 100

126 34.0 17.0 51.0



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: 59.874 ug/l

RT: 11.81 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF062161.D

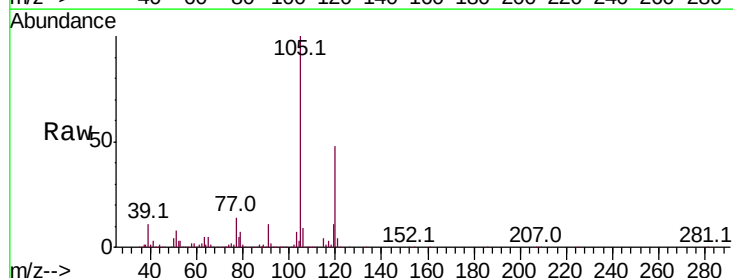
Acq: 4 Apr 2019 17:06

Tgt Ion:105 Resp: 473864

Ion Ratio Lower Upper

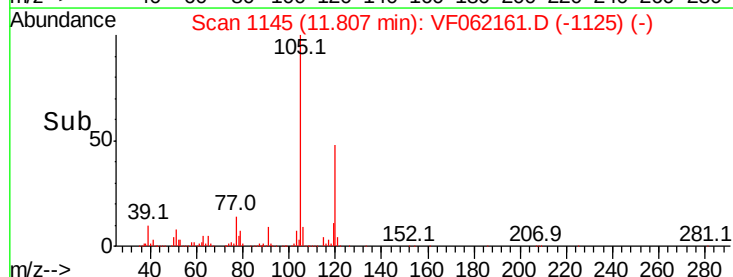
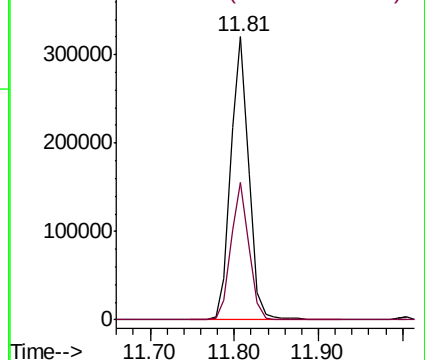
105 100

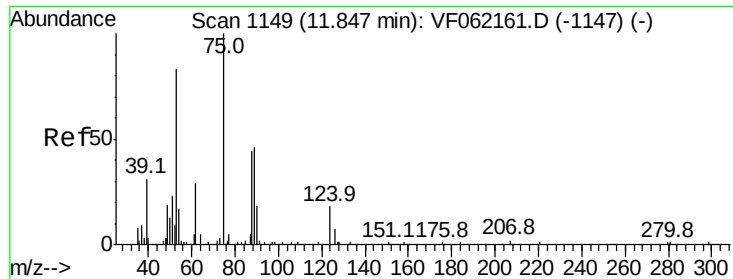
120 48.4 24.2 72.6



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: 62.781 ug/l m

RT: 11.85 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

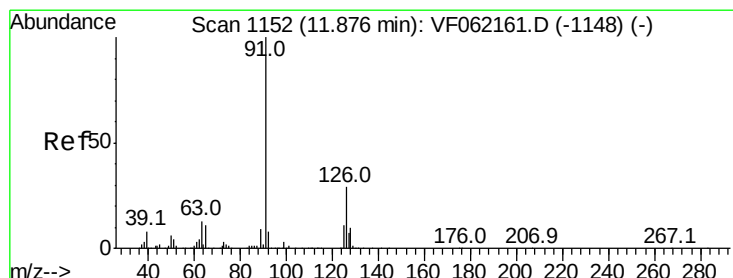
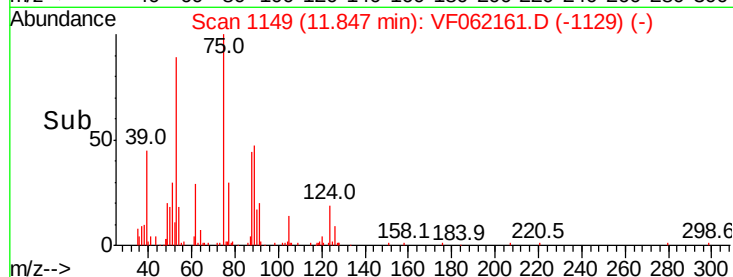
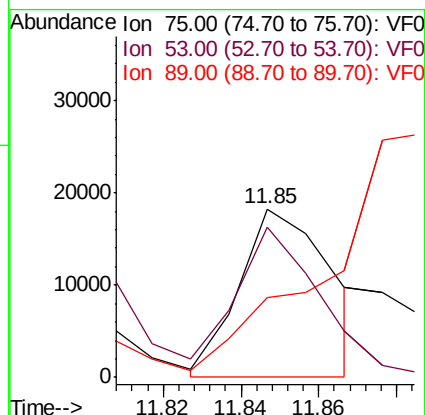
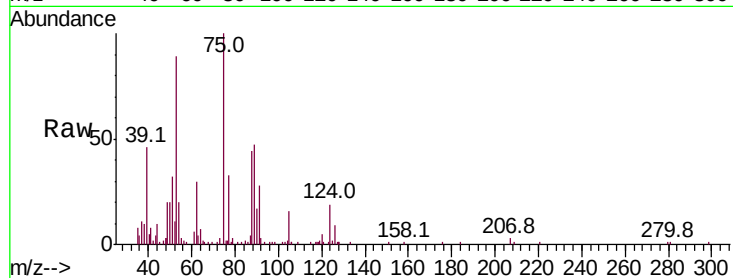
Tot Ion: 75 Resp: 29825

Ion Ratio Lower Upper

75 100

53 89.2 71.4 107.0

89 47.4 37.9 56.9



#82

4-Chlorotoluene

Concen: 59.148 ug/l

RT: 11.88 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF062161.D

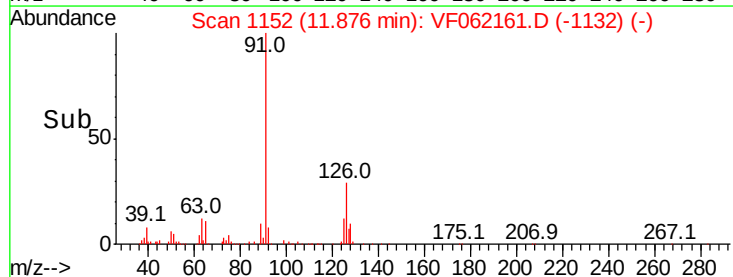
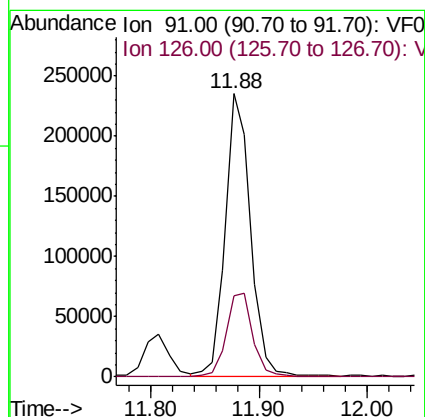
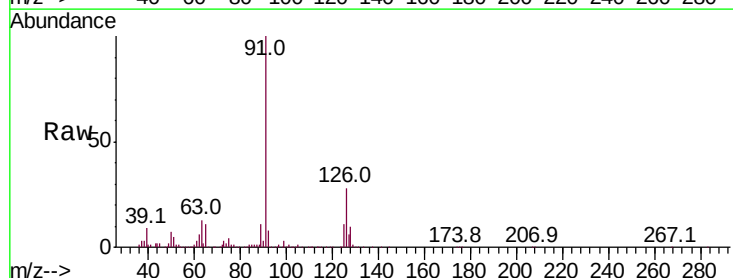
Acq: 4 Apr 2019 17:06

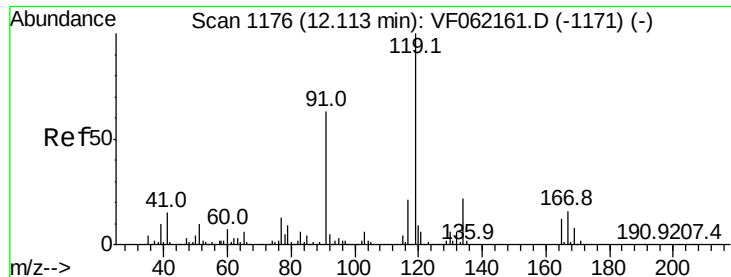
Tgt Ion: 91 Resp: 378695

Ion Ratio Lower Upper

91 100

126 28.5 14.2 42.8

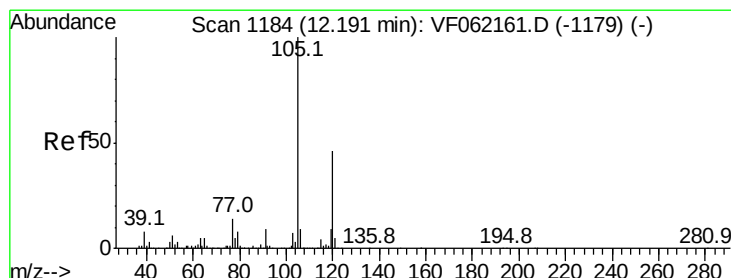
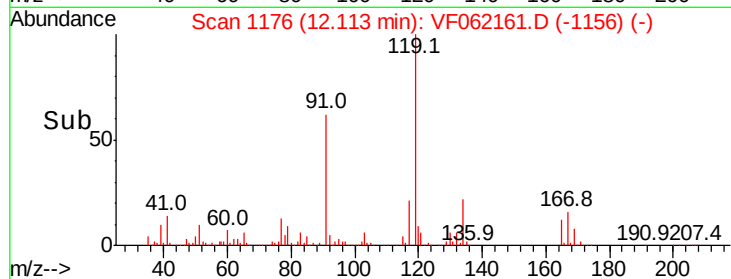
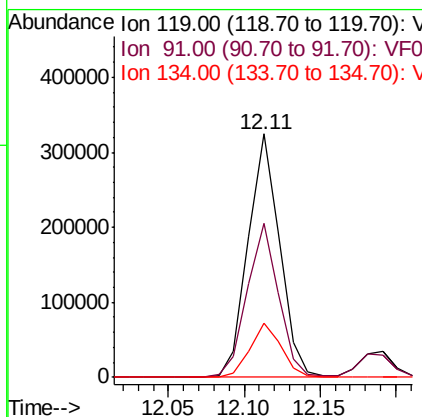
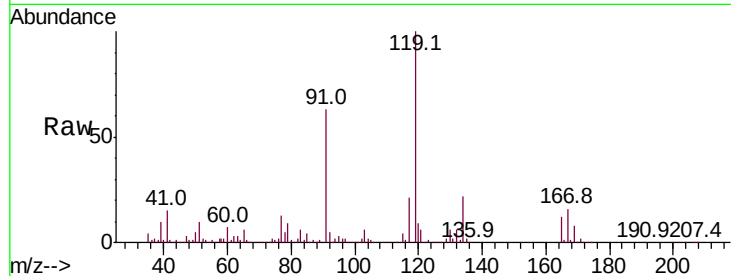




#83
 tert-Butylbenzene
 Concen: 57.912 ug/l
 RT: 12.11 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VF062161.D
 Acq: 4 Apr 2019 17:06

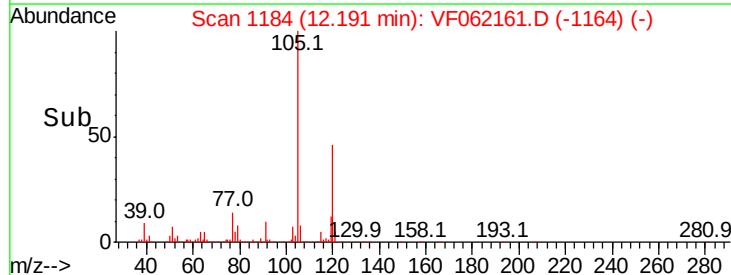
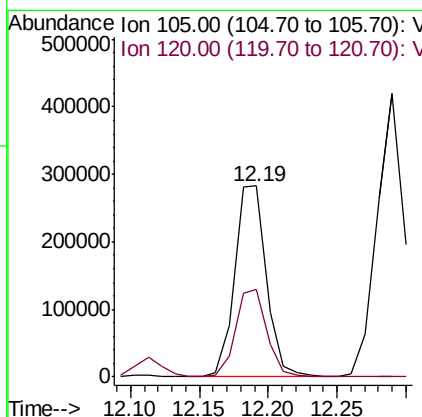
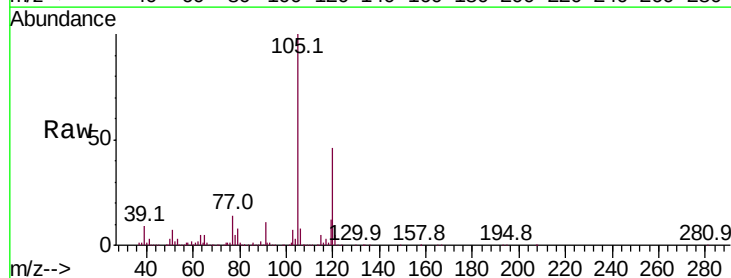
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

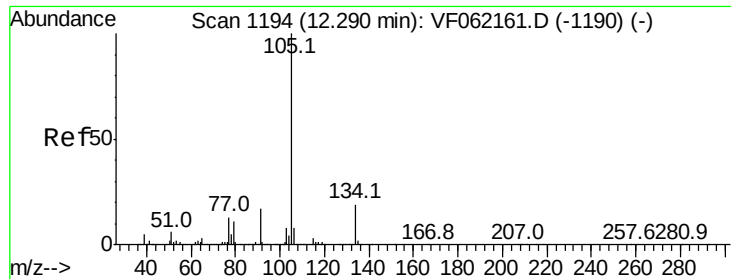
Tot Ion:119 Resp: 475360
 Ion Ratio Lower Upper
 119 100
 91 63.1 31.6 94.7
 134 22.2 11.1 33.3



#84
 1,2,4-Trimethylbenzene
 Concen: 58.330 ug/l
 RT: 12.19 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: VF062161.D
 Acq: 4 Apr 2019 17:06

Tgt Ion:105 Resp: 451500
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.9 68.5





#85

sec-Butylbenzene

Concen: 55.822 ug/l

RT: 12.29 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

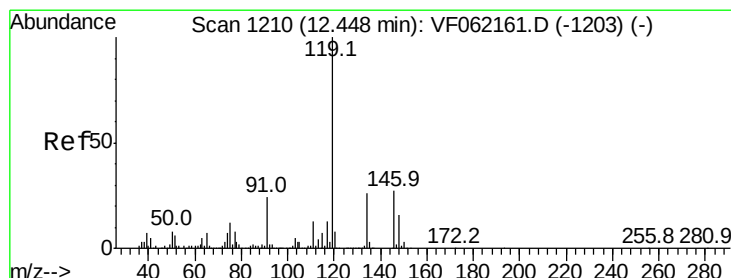
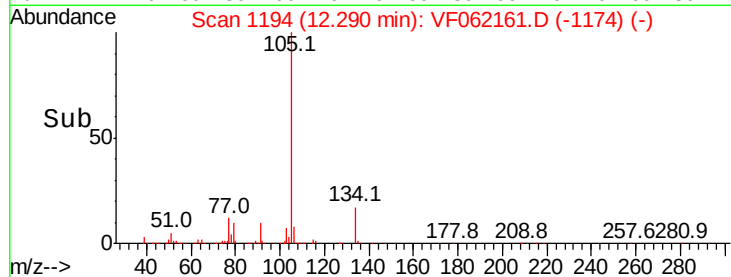
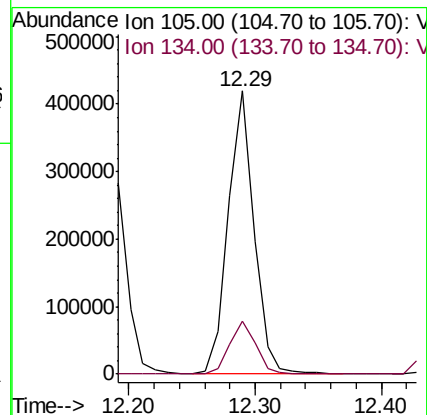
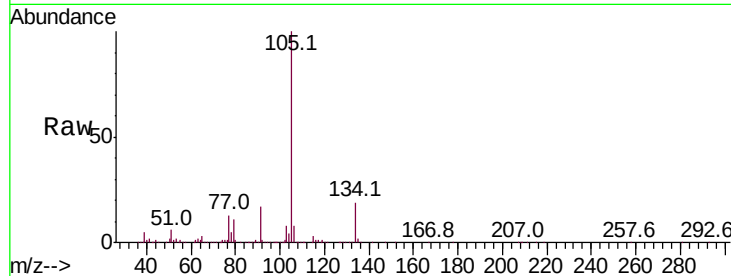
VSTDICCC050

Tot Ion:105 Resp: 590294

Ion Ratio Lower Upper

105 100

134 18.7 9.3 28.0



#86

p-Isopropyltoluene

Concen: 58.335 ug/l

RT: 12.45 min Scan# 1210

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

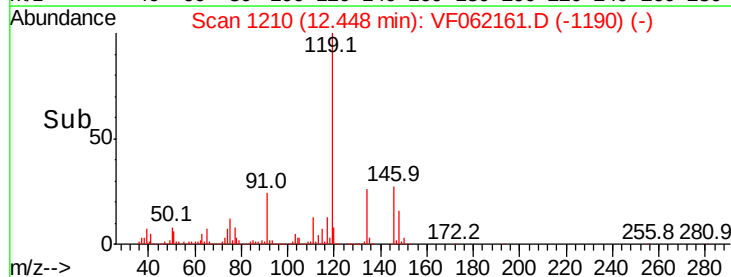
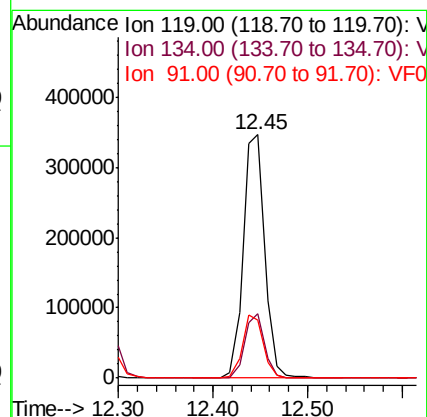
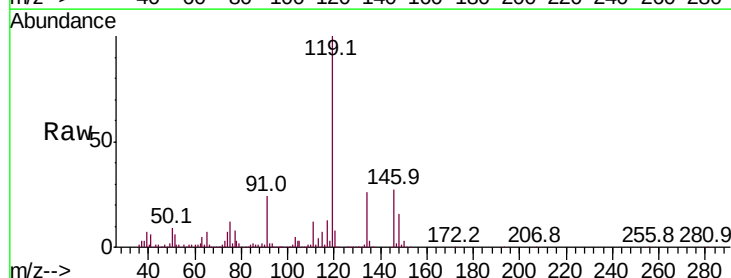
Tgt Ion:119 Resp: 543653

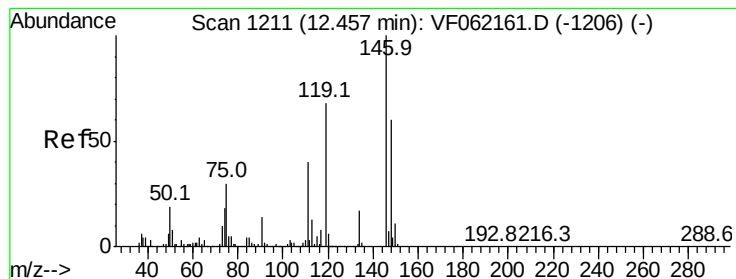
Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.5

91 24.0 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 53.602 ug/l

RT: 12.46 min Scan# 1211

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

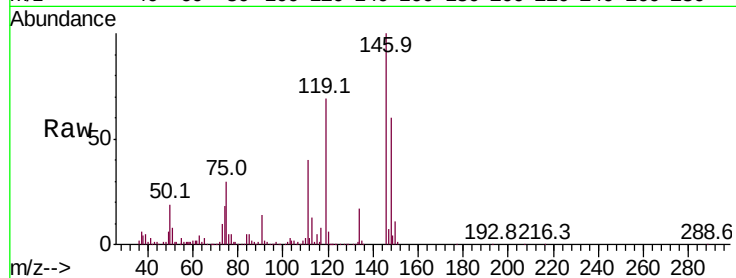
Tot Ion:146 Resp: 230735

Ion Ratio Lower Upper

146 100

111 39.7 19.9 59.6

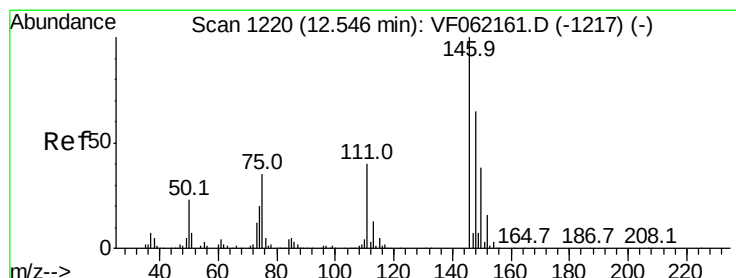
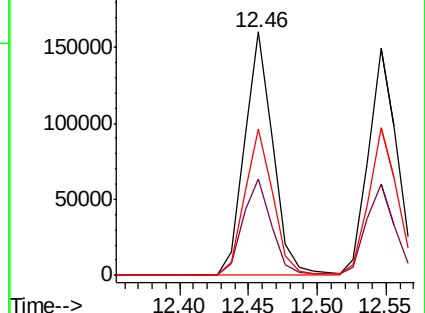
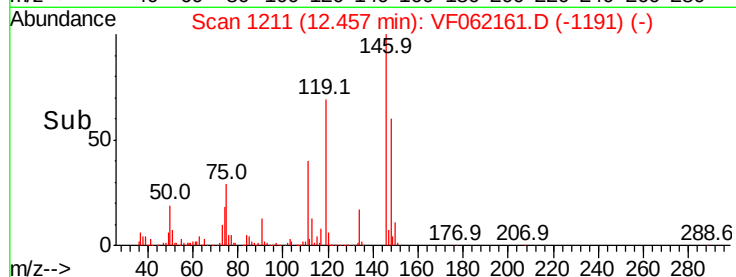
148 60.0 30.0 90.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 53.043 ug/l

RT: 12.55 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

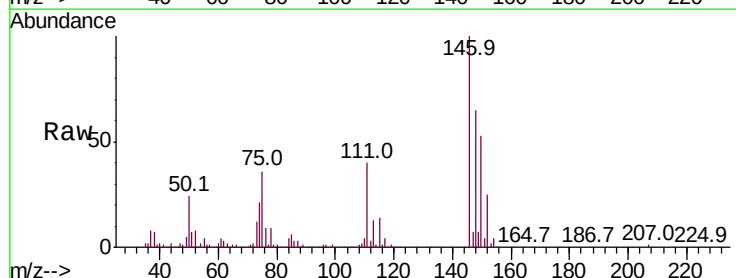
Tgt Ion:146 Resp: 219994

Ion Ratio Lower Upper

146 100

111 40.1 20.1 60.2

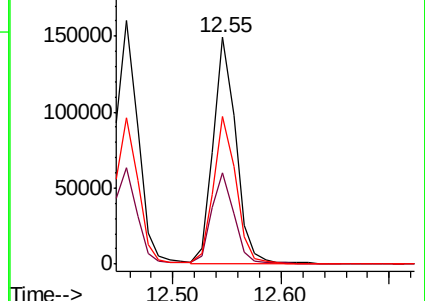
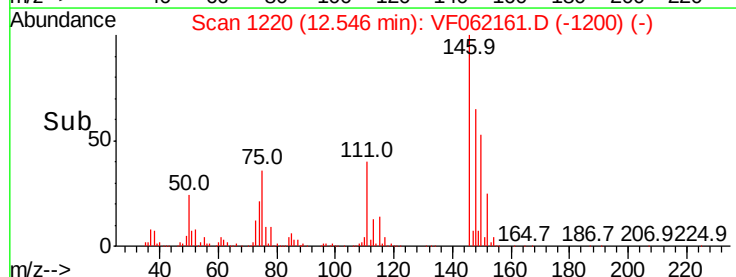
148 64.9 32.5 97.4

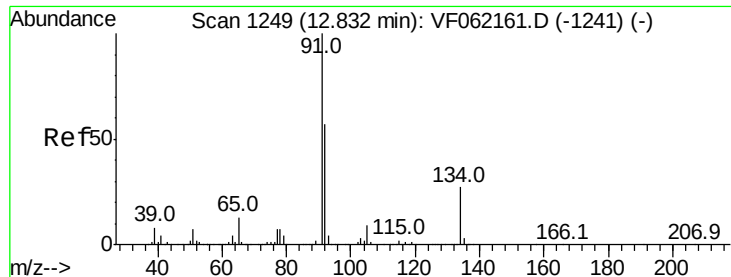


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

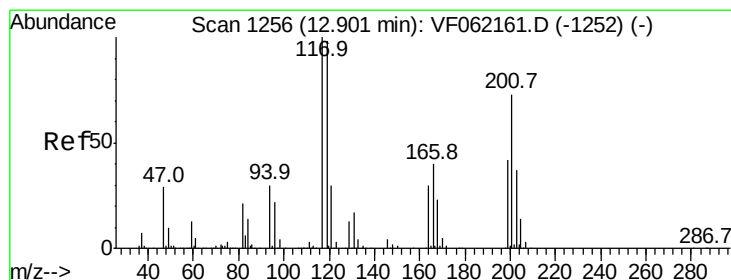
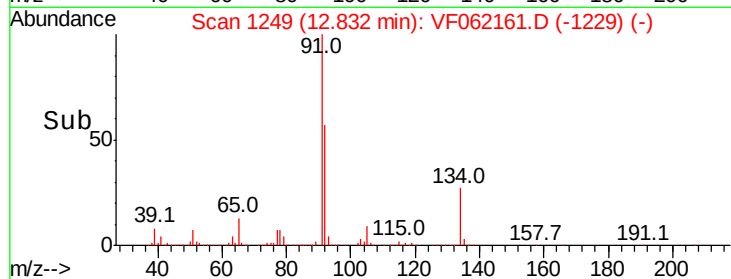
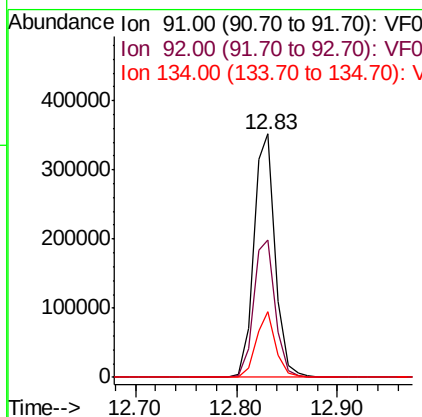
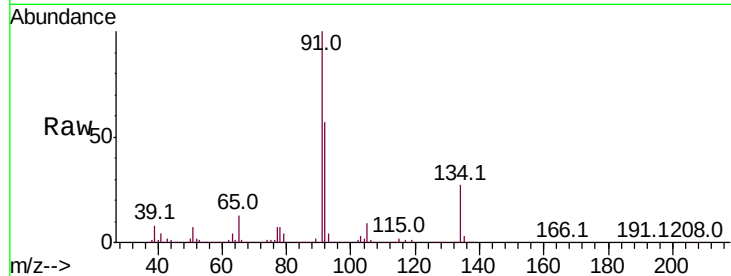




#89
n-Butylbenzene
Concen: 58.895 ug/l
RT: 12.83 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

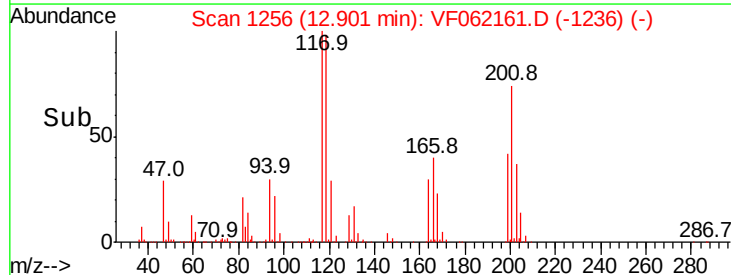
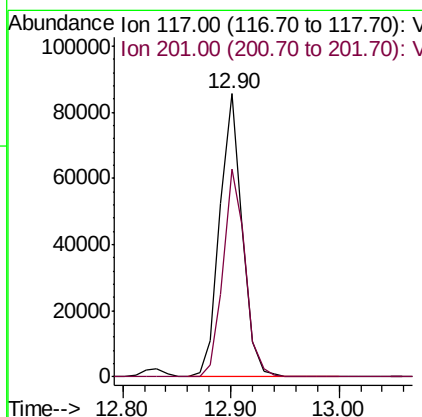
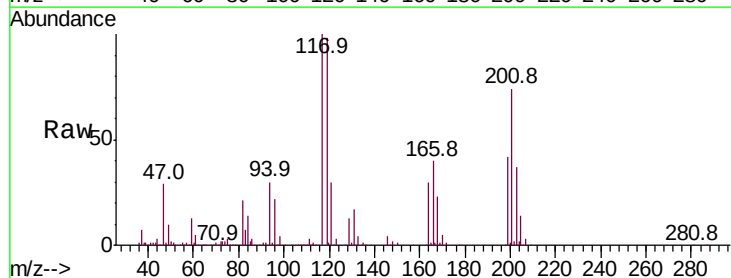
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

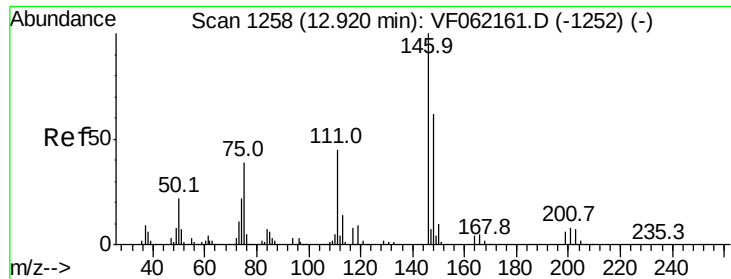
Tot Ion: 91 Resp: 520638
Ion Ratio Lower Upper
91 100
92 56.7 28.3 85.0
134 27.2 13.6 40.8



#90
Hexachloroethane
Concen: 56.945 ug/l
RT: 12.90 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

Tgt Ion: 117 Resp: 123898
Ion Ratio Lower Upper
117 100
201 73.6 36.8 110.4

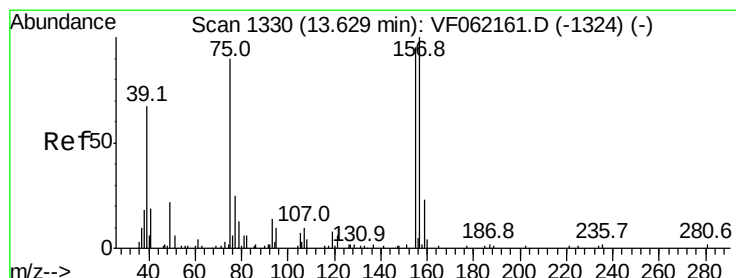
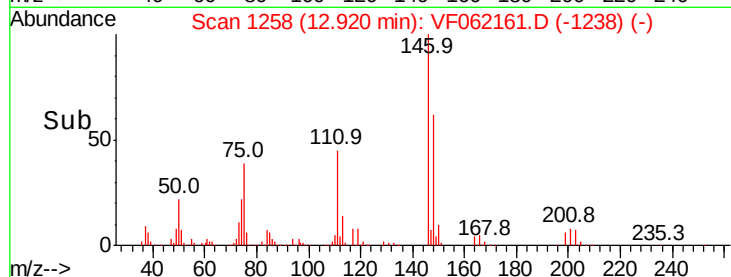
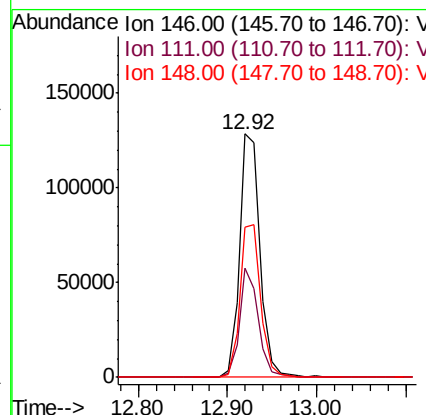
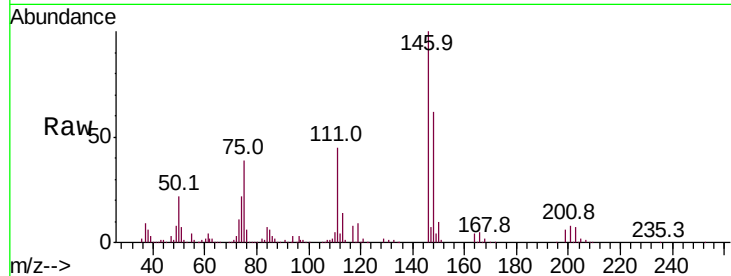




#91
 1,2-Dichlorobenzene
 Concen: 51.993 ug/l
 RT: 12.92 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VF062161.D
 Acq: 4 Apr 2019 17:06

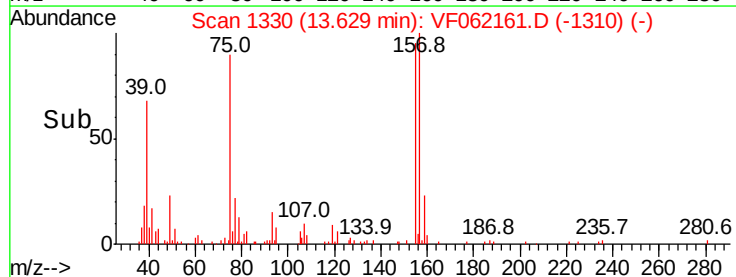
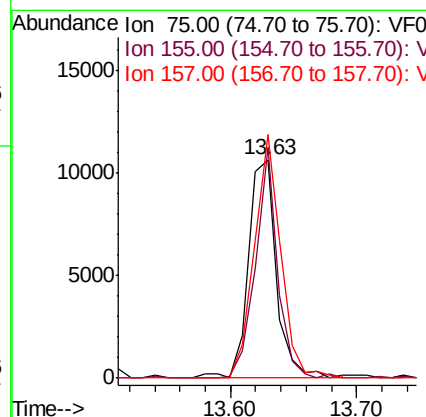
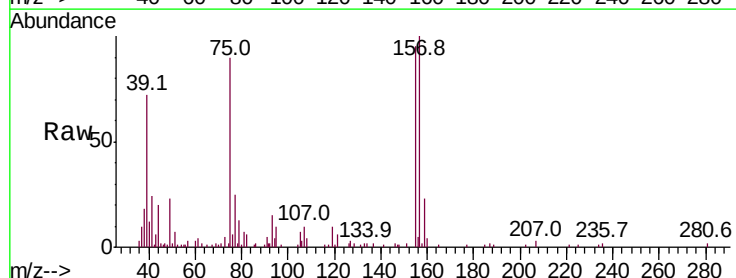
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

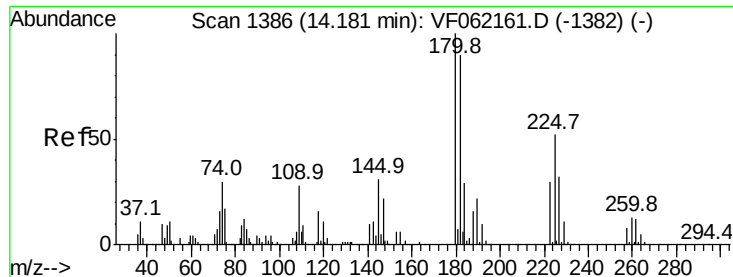
Tot Ion:146 Resp: 207323
 Ion Ratio Lower Upper
 146 100
 111 44.7 22.4 67.0
 148 61.8 30.9 92.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 64.354 ug/l
 RT: 13.63 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VF062161.D
 Acq: 4 Apr 2019 17:06

Tgt Ion: 75 Resp: 16288
 Ion Ratio Lower Upper
 75 100
 155 105.5 52.8 158.3
 157 111.4 55.7 167.1

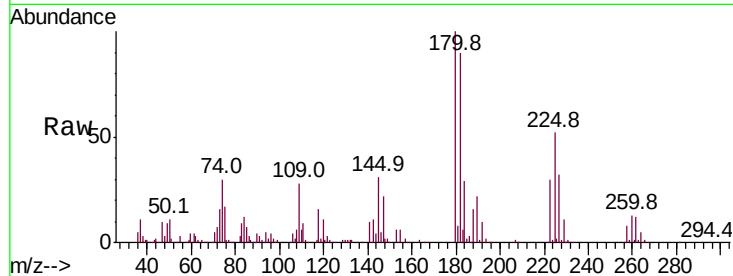




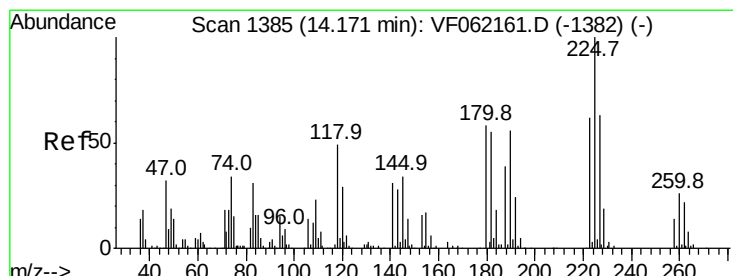
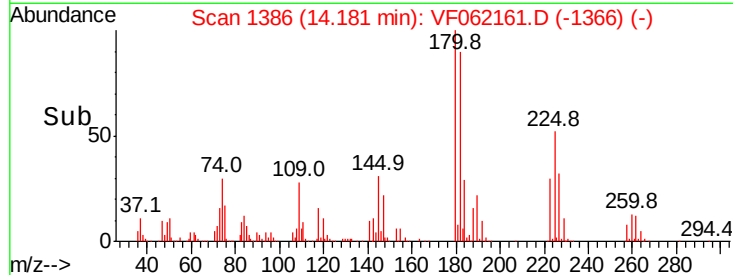
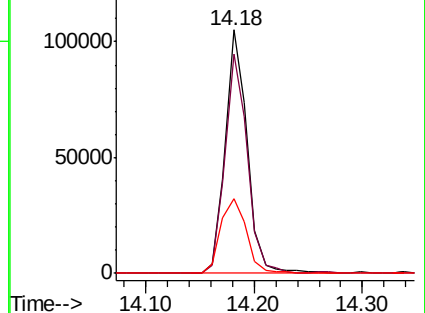
#93
 1,2,4-Trichlorobenzene
 Concen: 52.833 ug/l
 RT: 14.18 min Scan# 1386
 Delta R.T. 0.00 min
 Lab File: VF062161.D
 Acq: 4 Apr 2019 17:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion:180 Resp: 148390
 Ion Ratio Lower Upper
 180 100
 182 90.1 45.1 135.2
 145 30.9 15.4 46.4

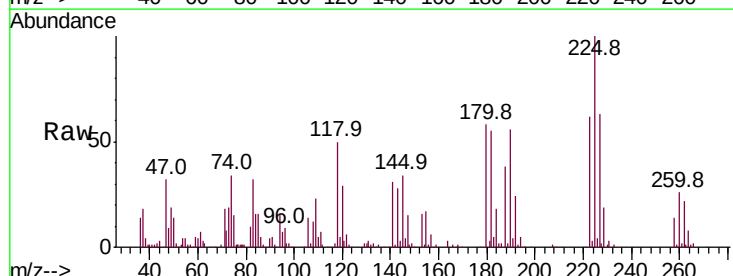


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

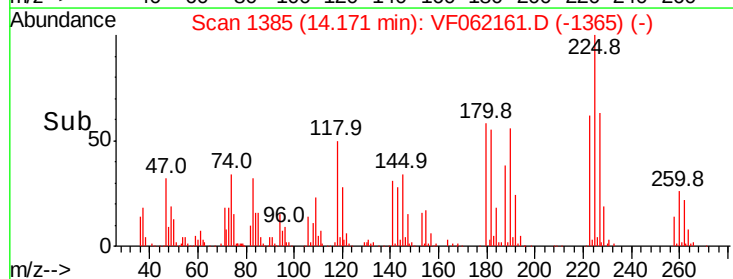
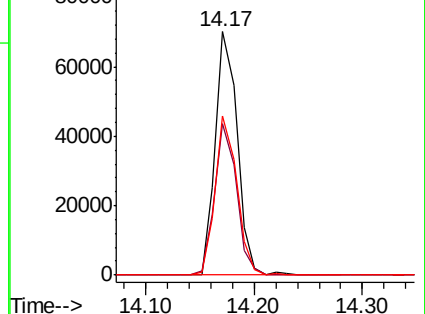


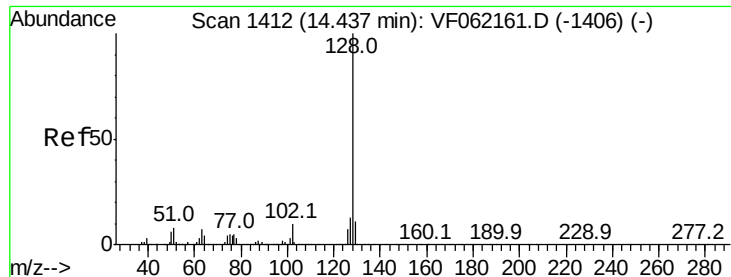
#94
 Hexachlorobutadiene
 Concen: 53.486 ug/l
 RT: 14.17 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VF062161.D
 Acq: 4 Apr 2019 17:06

Tgt Ion:225 Resp: 99231
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.0 93.0
 227 65.5 32.8 98.3



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 51.772 ug/l

RT: 14.44 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

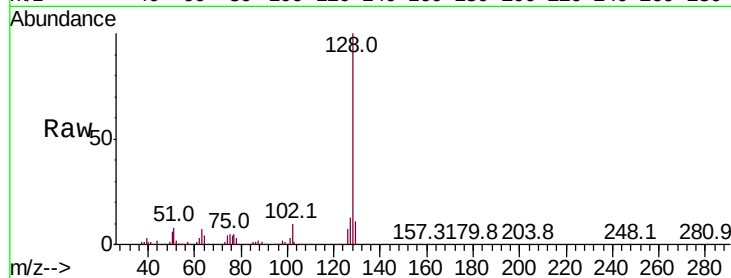
Tot Ion:128 Resp: 248783

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

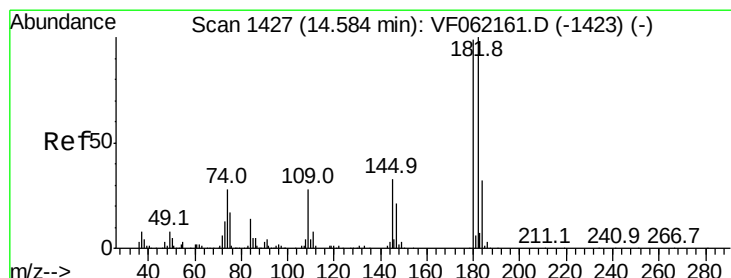
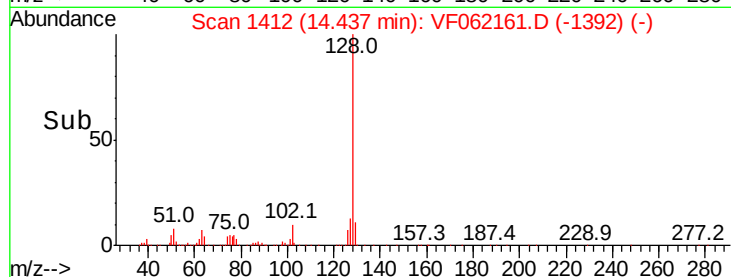
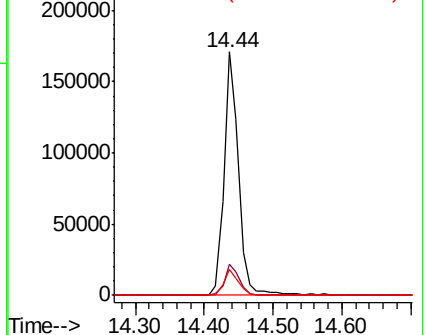
129 10.5 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.205 ug/l

RT: 14.58 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

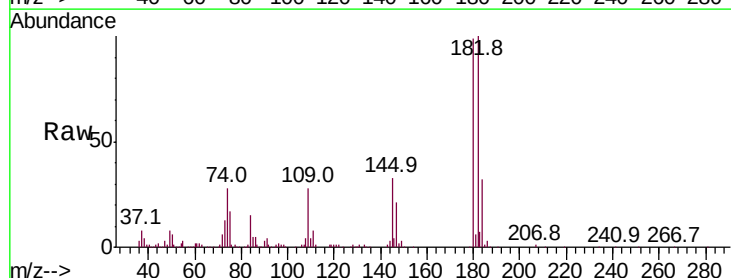
Tgt Ion:180 Resp: 129295

Ion Ratio Lower Upper

180 100

182 100.8 50.4 151.2

145 33.4 16.7 50.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

