

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052919\
 Data File : VF062774.D
 Acq On : 29 May 2019 10:24
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: May 30 08:36:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	761716	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1202127	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	925680	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	455656	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	231307	42.97	ug/l	0.00
Spiked Amount			Recovery	=	85.94%	
35) Dibromofluoromethane	4.33	113	420446	45.71	ug/l	0.00
Spiked Amount			Recovery	=	91.42%	
50) Toluene-d8	7.73	98	994815	45.30	ug/l	0.00
Spiked Amount			Recovery	=	90.60%	
62) 4-Bromofluorobenzene	11.50	95	398915	47.89	ug/l	0.00
Spiked Amount			Recovery	=	95.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	437269	42.184	ug/l	98
3) Chloromethane	1.15	50	367151	38.467	ug/l	97
4) Vinyl Chloride	1.19	62	354450	40.344	ug/l	97
5) Bromomethane	1.40	94	243360	50.633	ug/l	96
6) Chloroethane	1.47	64	153916	47.701	ug/l	92
7) Trichlorofluoromethane	1.57	101	394259	33.421	ug/l	86
8) Diethyl Ether	1.71	74	121983	52.196	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.93	101	352235	46.892	ug/l	97
10) Methyl Iodide	2.01	142	583697	39.557	ug/l	94
11) Tert butyl alcohol	2.70	59	85472	240.517	ug/l	96
12) 1,1-Dichloroethene	1.89	96	346930	50.701	ug/l	94
13) Acrolein	2.11	56	63572	171.375	ug/l	91
14) Allyl chloride	2.31	41	44835	7.240	ug/l	94
15) Acrylonitrile	3.10	53	463667	462.543	ug/l #	86
16) Acetone	2.36	43	395259	283.049	ug/l	93
17) Carbon Disulfide	1.93	76	908704	44.805	ug/l	96
18) Methyl Acetate	2.47	43	111608	50.860	ug/l	95
19) Methyl tert-butyl Ether	2.56	73	625234	51.113	ug/l	99
20) Methylene Chloride	2.37	84	230849	32.981	ug/l	92
21) trans-1,2-Dichloroethene	2.43	96	278713	41.672	ug/l	90
22) Diisopropyl ether	2.95	45	753406	49.325	ug/l	97
23) Vinyl Acetate	3.36	43	2596491	251.996	ug/l	99
24) 1,1-Dichloroethane	3.03	63	813947	72.640	ug/l	97
25) 2-Butanone	4.54	43	786567	263.641	ug/l	98
26) 2,2-Dichloropropane	3.79	77	336816	52.535	ug/l	94
27) cis-1,2-Dichloroethene	3.67	96	600773	54.609	ug/l	93
28) Bromochloromethane	3.92	49	301343	47.951	ug/l	95
29) Tetrahydrofuran	4.29	42	299979	248.469	ug/l	98
30) Chloroform	4.07	83	797441	51.258	ug/l	99
31) Cyclohexane	3.88	56	399500	26.553	ug/l	97
32) 1,1,1-Trichloroethane	4.31	97	434461	42.050	ug/l	93
36) 1,1-Dichloropropene	4.49	75	642059	52.123	ug/l	98
37) Ethyl Acetate	4.33	43	258008	51.299	ug/l #	77
38) Carbon Tetrachloride	4.21	117	424983	45.874	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	822406	55.486	ug/l	97
40) Benzene	4.84	78	1870899	55.751	ug/l	100
41) Methacrylonitrile	4.95	41	135851	51.521	ug/l	95
42) 1,2-Dichloroethane	5.15	62	364399	54.453	ug/l	93
43) Isopropyl Acetate	7.13	43	303070	46.512	ug/l	92
44) Trichloroethene	5.71	130	536039	56.835	ug/l	72
45) 1,2-Dichloropropane	6.43	63	483689	57.098	ug/l	100
46) Dibromomethane	6.28	93	282954	57.796	ug/l	96
47) Bromodichloromethane	6.57	83	575125	56.587	ug/l	96
48) Methyl methacrylate	6.90	41	165915	48.716	ug/l	98
49) 1,4-Dioxane	6.89	88	42905	983.595	ug/l	87
51) 4-Methyl-2-Pentanone	8.42	43	1148580	257.884	ug/l	97
52) Toluene	7.80	92	1047634	59.527	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	463014	55.684	ug/l	95
54) cis-1,3-Dichloropropene	7.47	75	664388	57.080	ug/l	99
55) 1,1,2-Trichloroethane	8.65	97	312675	60.004	ug/l	97
56) Ethyl methacrylate	8.77	69	317022	51.066	ug/l	97
57) 1,3-Dichloropropane	9.01	76	507757	57.207	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.46	63	537189	265.836	ug/l	97
59) 2-Hexanone	9.64	43	859371	300.141	ug/l	93
60) Dibromochloromethane	8.87	129	406215	59.812	ug/l	96
61) 1,2-Dibromoethane	9.15	107	321374	58.065	ug/l	99
64) Tetrachloroethene	8.32	164	404574	55.168	ug/l	95
65) Chlorobenzene	9.95	112	1044799	57.466	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	422082	57.829	ug/l	97
67) Ethyl Benzene	10.04	91	1774946	56.196	ug/l	99
68) m/p-Xylenes	10.27	106	1353720	114.036	ug/l	96
69) o-Xylene	10.83	106	713870	58.384	ug/l	95
70) Styrene	10.90	104	1083262	58.288	ug/l	99
71) Bromoform	10.89	173	221505	60.595	ug/l #	98
73) Isopropylbenzene	11.23	105	1911345	58.527	ug/l	96
74) N-amyl acetate	11.45	43	485269	59.417	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	404337	60.584	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	250116	57.036	ug/l	85
77) Bromobenzene	11.59	156	473820	58.369	ug/l	99
78) n-propylbenzene	11.68	91	2225981	57.594	ug/l	97
79) 2-Chlorotoluene	11.81	91	1290128	59.231	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	1496705	57.156	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	148646	76.257	ug/l	97
82) 4-Chlorotoluene	11.99	91	1219810	56.790	ug/l	100
83) tert-Butylbenzene	12.20	119	1569104	59.061	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	1444320	56.987	ug/l	97
85) sec-Butylbenzene	12.38	105	2017314	56.580	ug/l	99
86) p-Isopropyltoluene	12.53	119	1711223	56.951	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	832877	56.710	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	775777	56.288	ug/l	97
89) n-Butylbenzene	12.90	91	1631012	55.054	ug/l	98
90) Hexachloroethane	12.98	117	429910	59.643	ug/l	89
91) 1,2-Dichlorobenzene	13.01	146	749449	57.247	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	48120	60.438	ug/l	96

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Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
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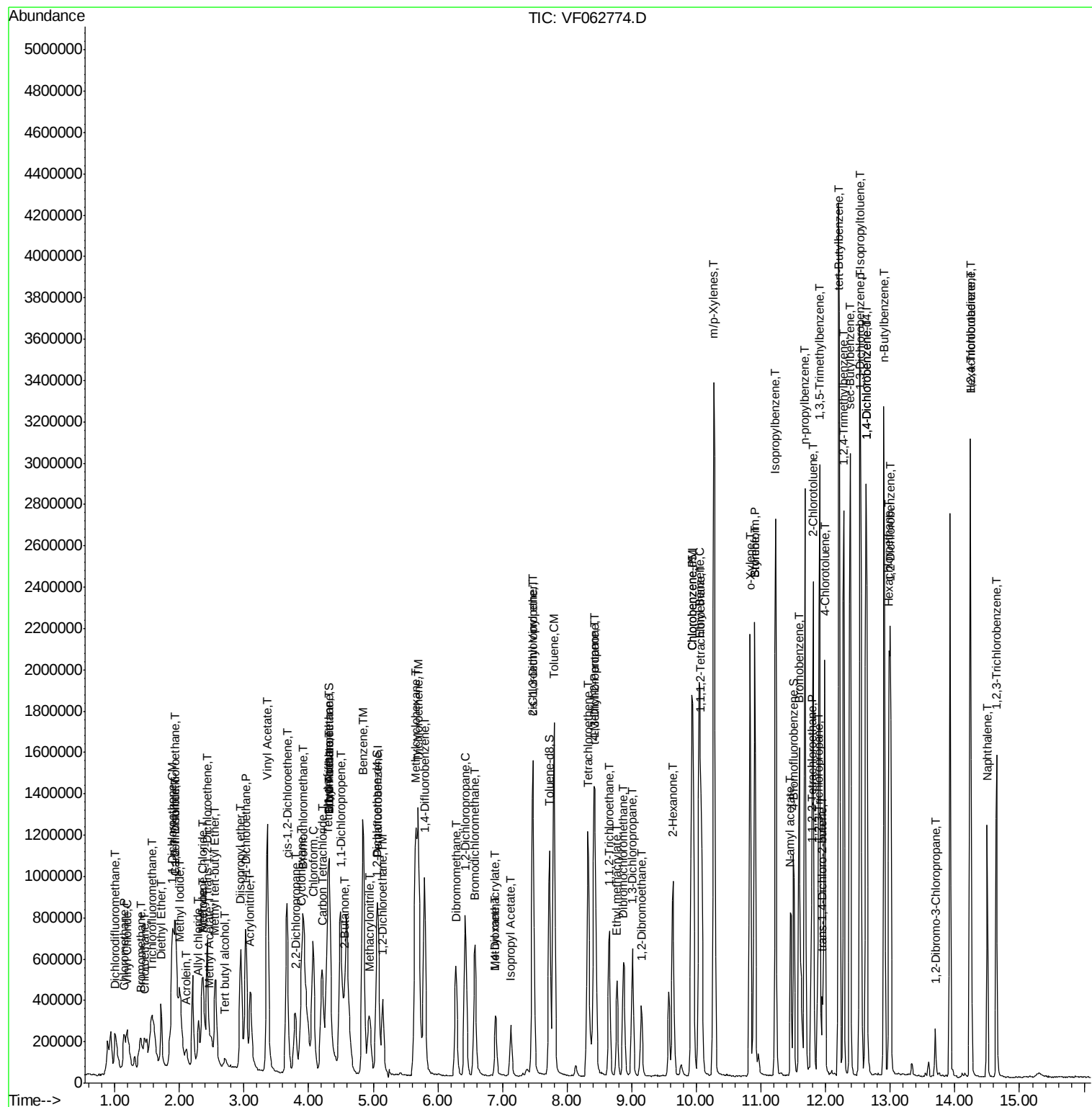
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	510651	54.494	ug/l	96
94) Hexachlorobutadiene	14.23	225	370472	56.650	ug/l	94
95) Naphthalene	14.50	128	855613	50.259	ug/l	100
96) 1,2,3-Trichlorobenzene	14.65	180	467333	52.650	ug/l	96

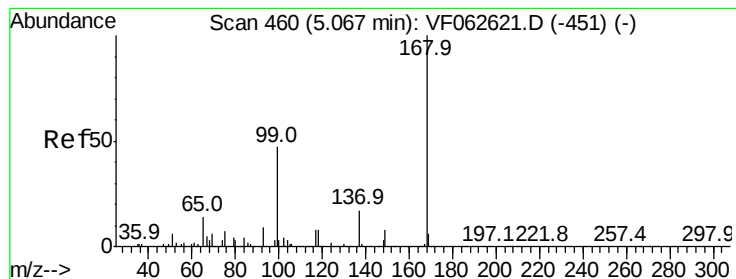
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052919\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.01 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

Instrument :

MSVOA_F

ClientSampleId :

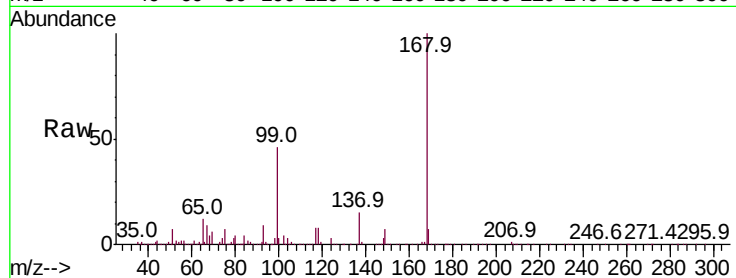
VSTDCCC050

Tot Ion:168 Resp: 761716

Ion Ratio Lower Upper

168 100

99 45.6 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.08

250000

200000

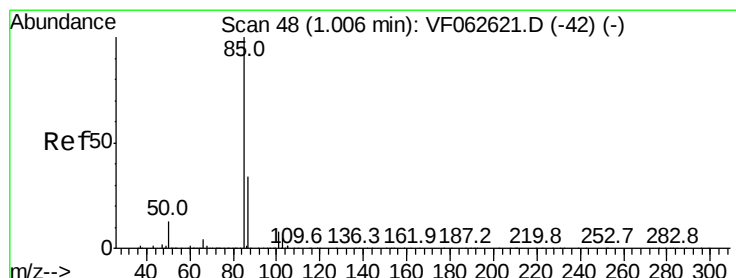
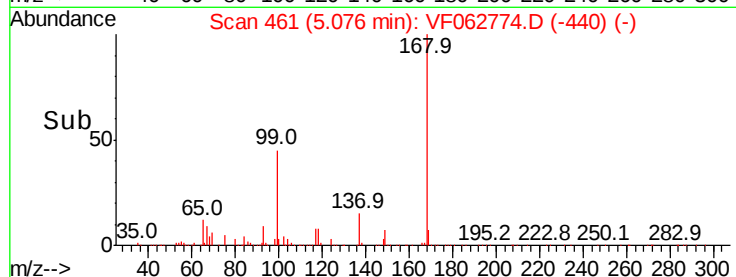
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 42.184 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

Tgt Ion: 85 Resp: 437269

Ion Ratio Lower Upper

85 100

87 32.2 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

120000

100000

80000

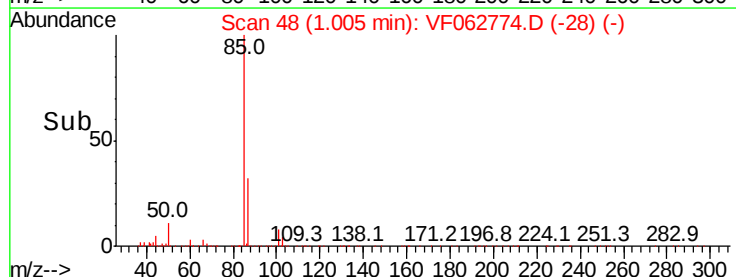
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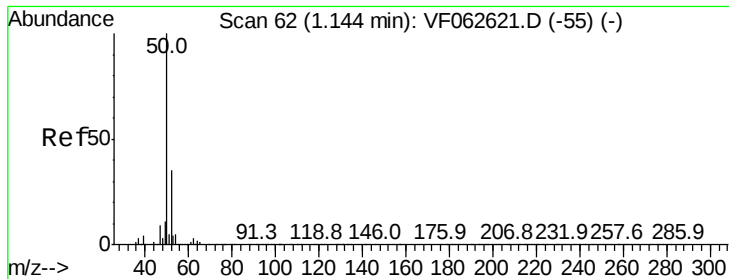
40000

20000

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Time-->





#3

Chloromethane

Concen: 38.467 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

Instrument :

MSVOA_F

ClientSampleId :

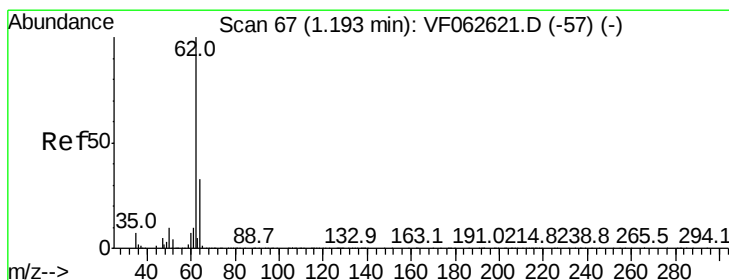
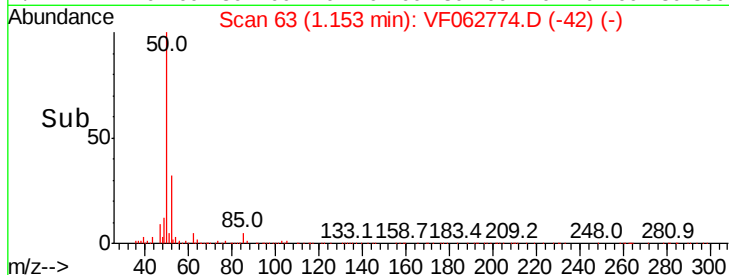
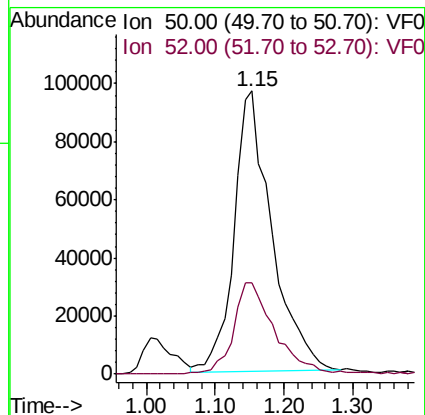
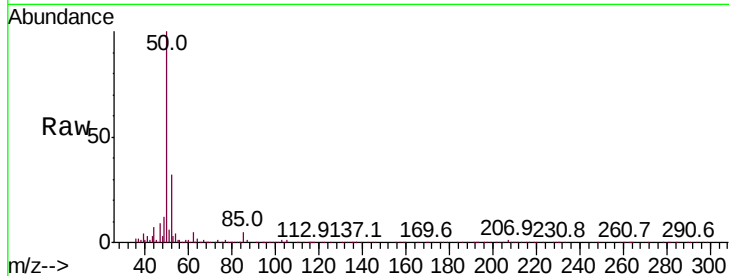
VSTDCCC050

Tot Ion: 50 Resp: 367151

Ion Ratio Lower Upper

50 100

52 32.4 27.5 41.3



#4

Vinyl Chloride

Concen: 40.344 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062774.D

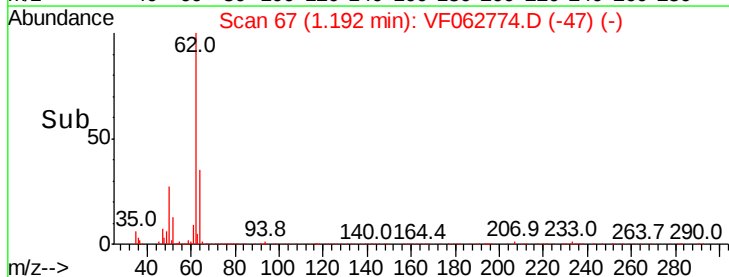
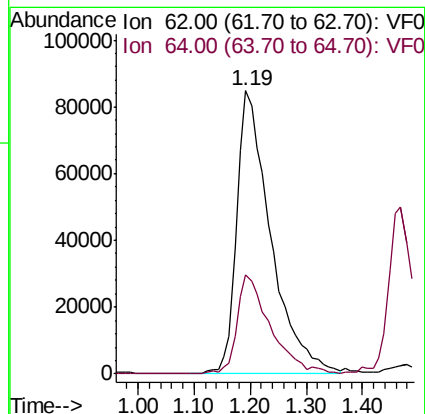
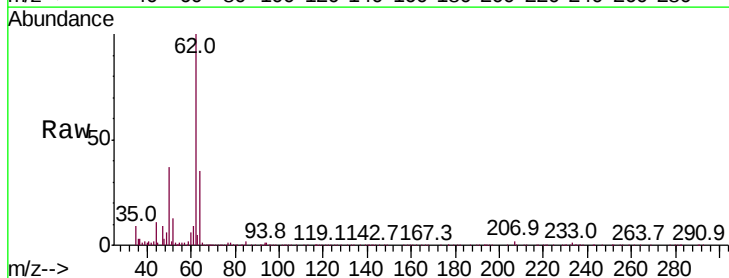
Acq: 29 May 2019 10:24

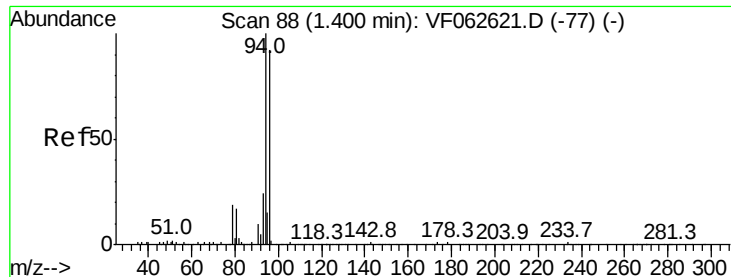
Tgt Ion: 62 Resp: 354450

Ion Ratio Lower Upper

62 100

64 35.1 26.7 40.1





#5

Bromomethane

Concen: 50.633 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.00 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

Instrument :

MSVOA_F

ClientSampleId :

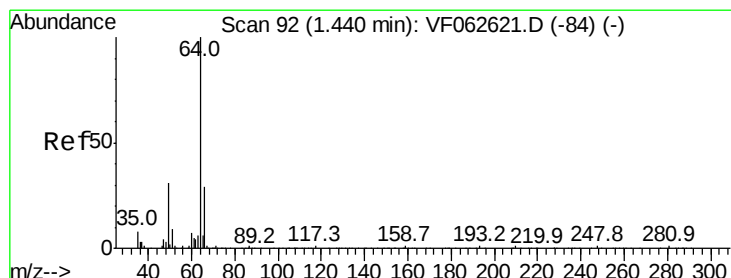
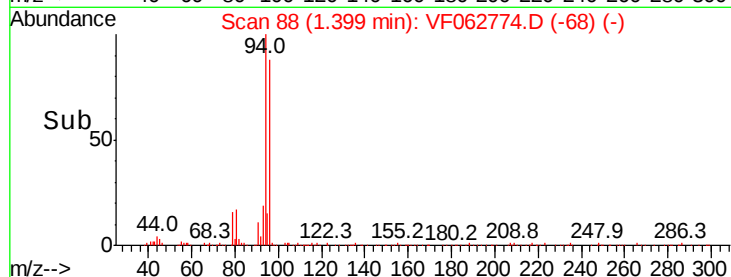
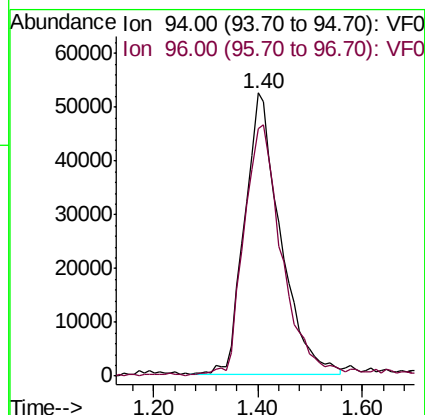
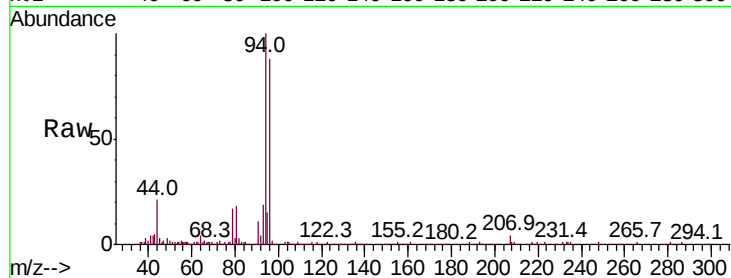
VSTDCCC050

Tot Ion: 94 Resp: 243360

Ion Ratio Lower Upper

94 100

96 87.6 73.2 109.8



#6

Chloroethane

Concen: 47.701 ug/l

RT: 1.47 min Scan# 95

Delta R.T. 0.03 min

Lab File: VF062774.D

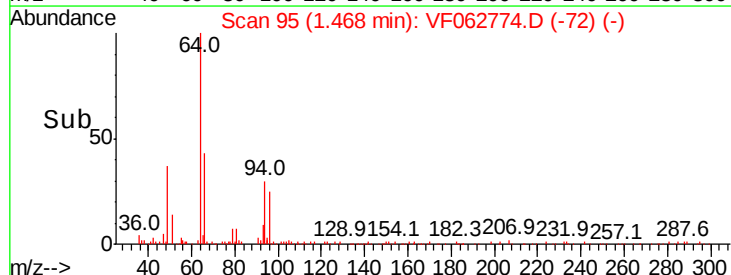
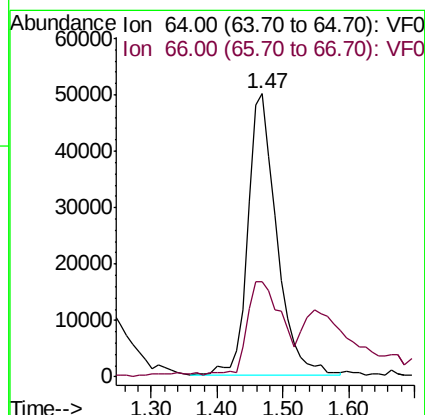
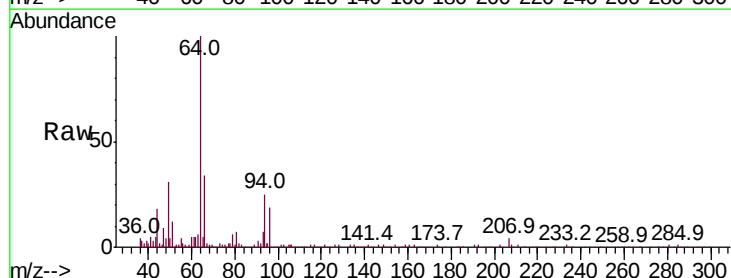
Acq: 29 May 2019 10:24

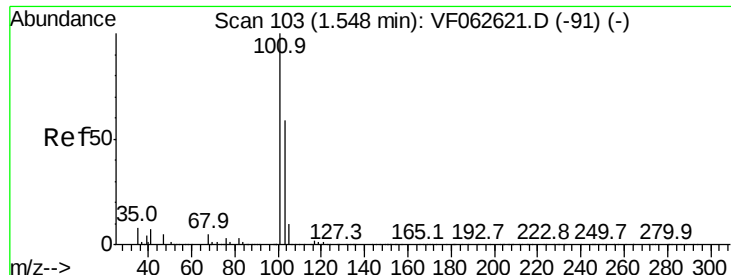
Tgt Ion: 64 Resp: 153916

Ion Ratio Lower Upper

64 100

66 33.6 23.4 35.2



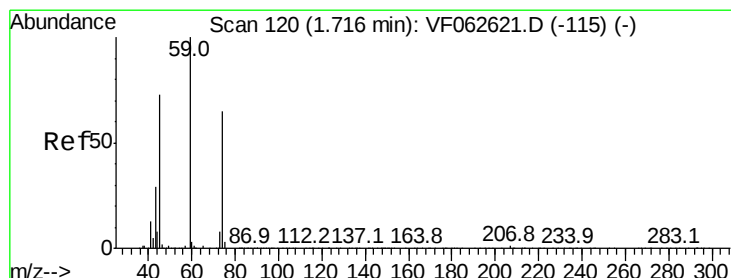
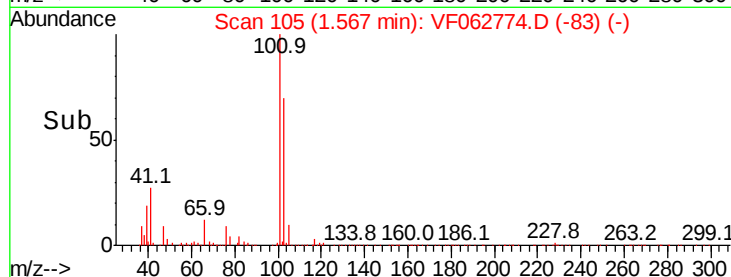
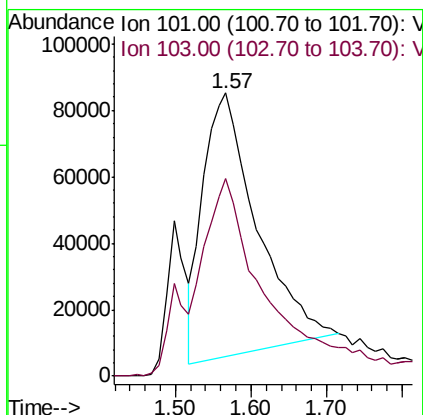
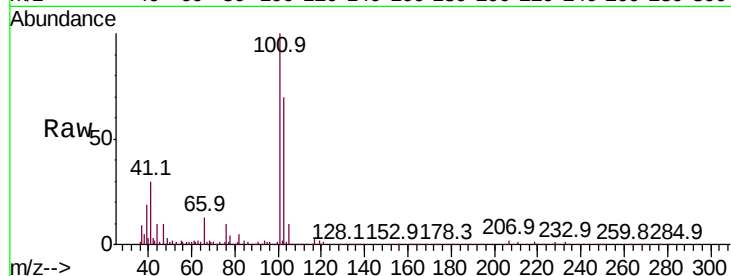


#7

Trichlorofluoromethane
Concen: 33.421 ug/l
RT: 1.57 min Scan# 105
Delta R.T. 0.02 min
Lab File: VF062774.D
Acq: 29 May 2019 10:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

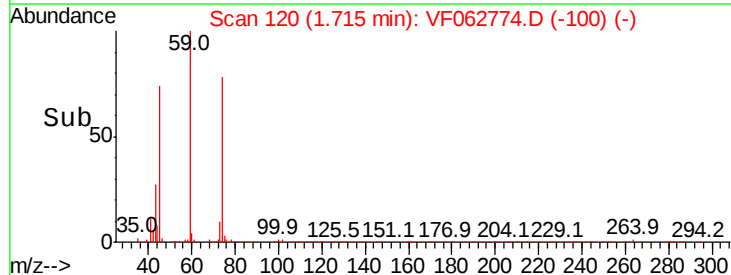
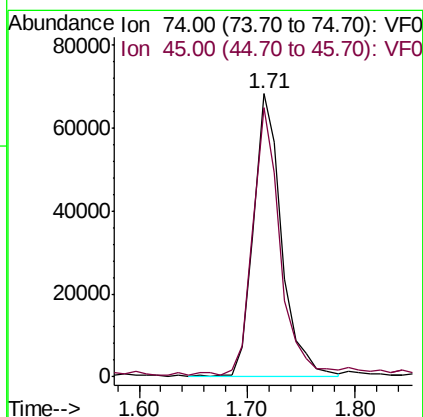
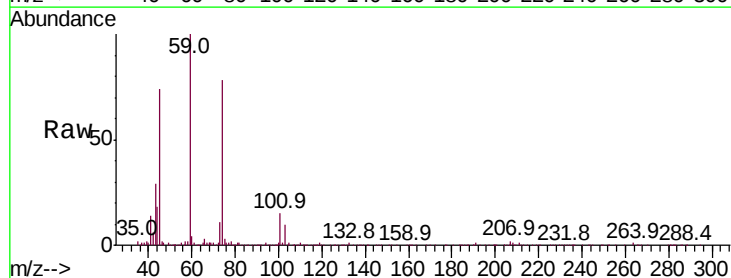
Tot Ion:101 Resp: 394259
Ion Ratio Lower Upper
101 100
103 69.8 47.3 70.9

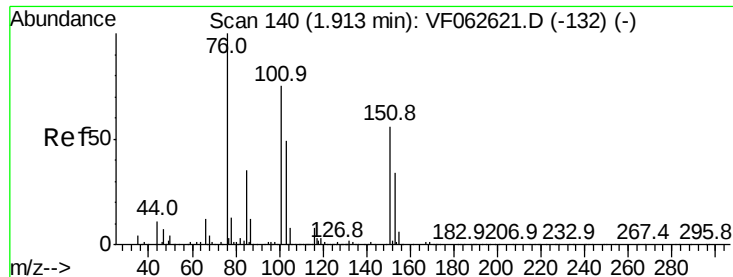


#8

Diethyl Ether
Concen: 52.196 ug/l
RT: 1.71 min Scan# 120
Delta R.T. -0.00 min
Lab File: VF062774.D
Acq: 29 May 2019 10:24

Tgt Ion: 74 Resp: 121983
Ion Ratio Lower Upper
74 100
45 95.1 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.892 ug/l

RT: 1.93 min Scan# 142

Delta R.T. 0.02 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

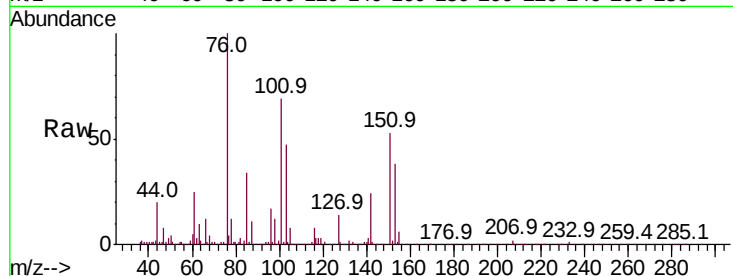
Tot Ion:101 Resp: 352235

Ion Ratio Lower Upper

101 100

85 48.7 37.1 55.7

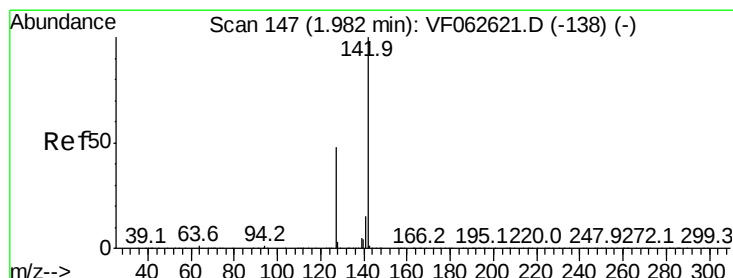
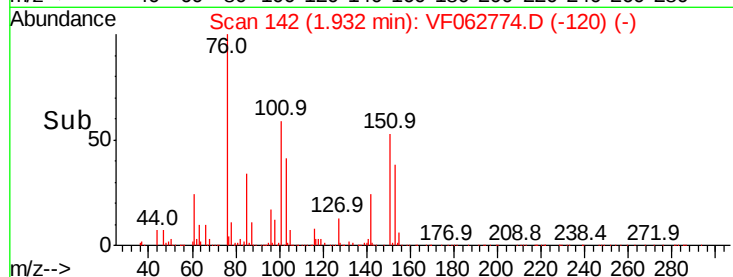
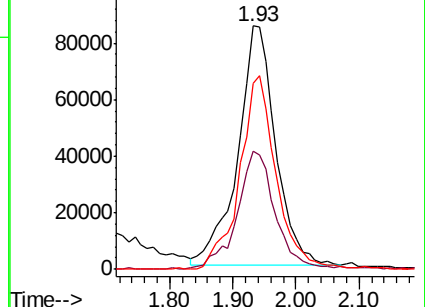
151 76.4 58.8 88.2



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: 39.557 ug/l

RT: 2.01 min Scan# 150

Delta R.T. 0.03 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

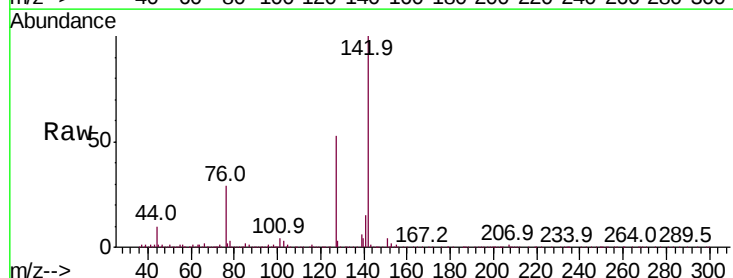
Tgt Ion:142 Resp: 583697

Ion Ratio Lower Upper

142 100

127 52.5 38.1 57.1

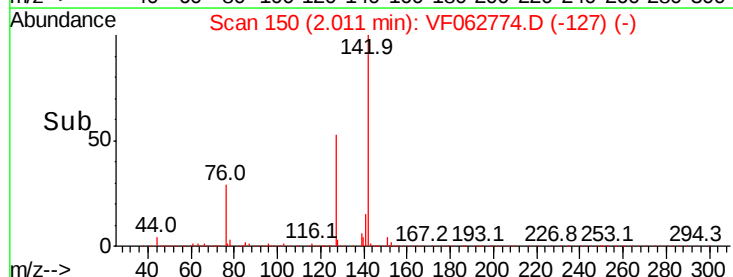
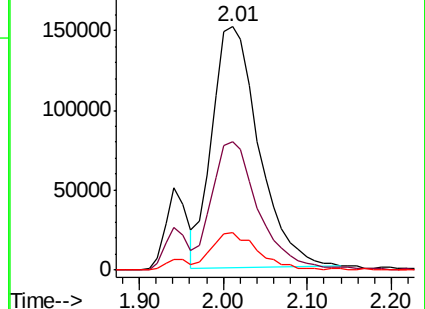
141 15.2 11.7 17.5

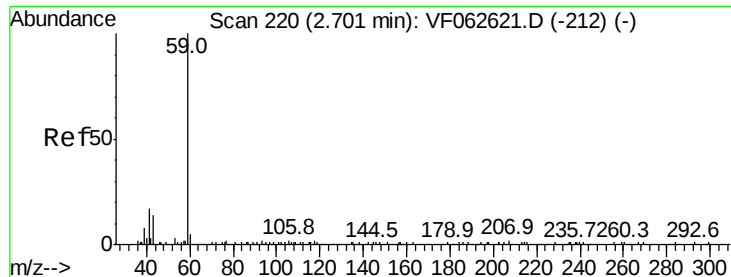


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

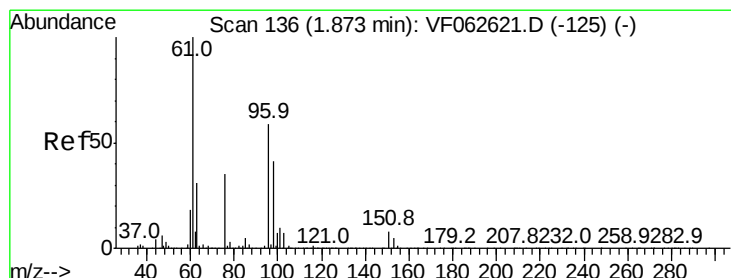
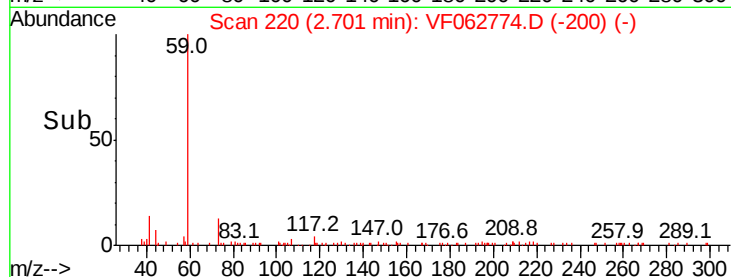
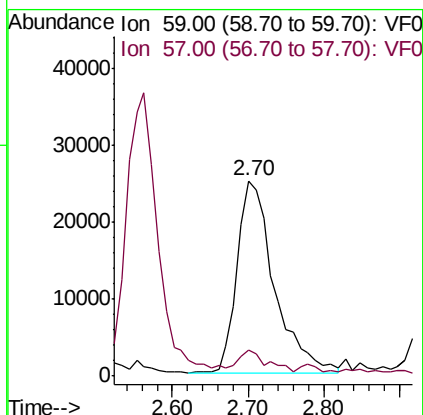
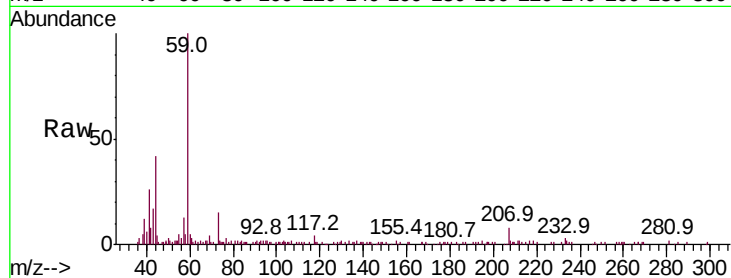




#11
Tert butyl alcohol
Concen: 240.517 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.00 min
Lab File: VF062774.D
Acq: 29 May 2019 10:24

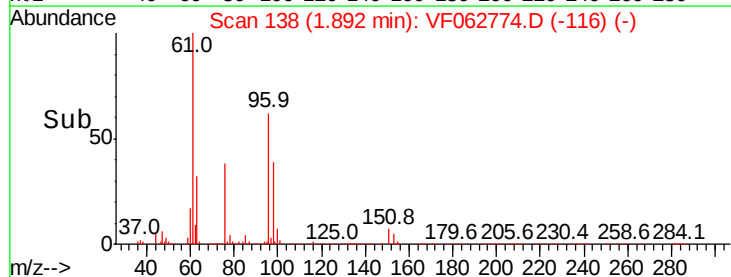
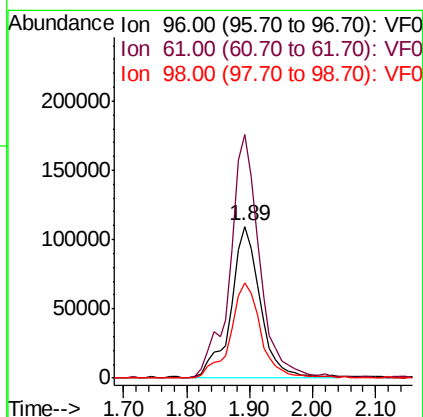
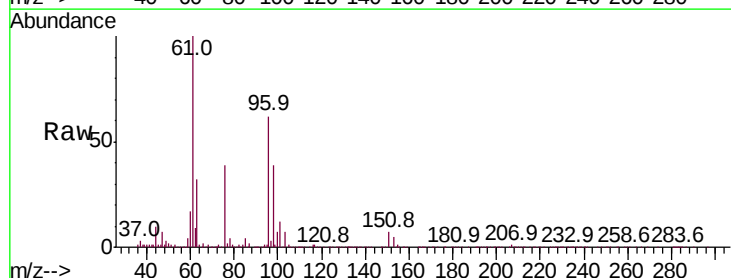
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

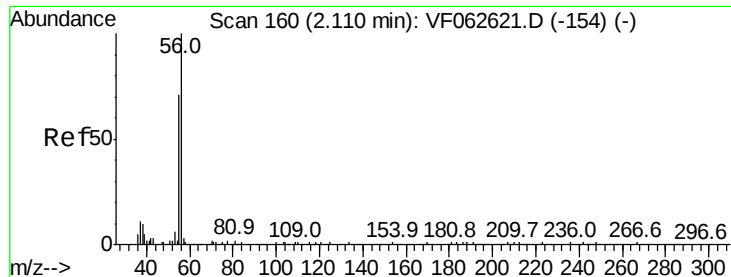
Tot Ion: 59 Resp: 85472
Ion Ratio Lower Upper
59 100
57 13.1 9.3 13.9



#12
1,1-Dichloroethene
Concen: 50.701 ug/l
RT: 1.89 min Scan# 138
Delta R.T. 0.02 min
Lab File: VF062774.D
Acq: 29 May 2019 10:24

Tgt Ion: 96 Resp: 346930
Ion Ratio Lower Upper
96 100
61 160.7 134.3 201.5
98 62.5 55.0 82.6

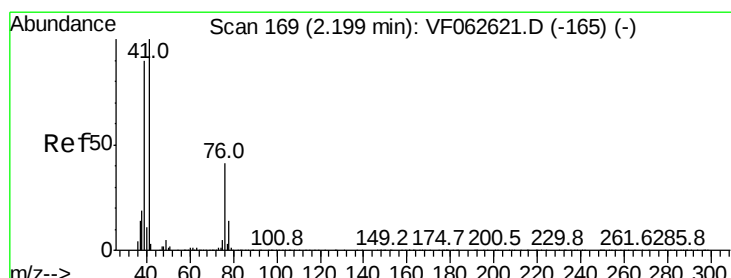
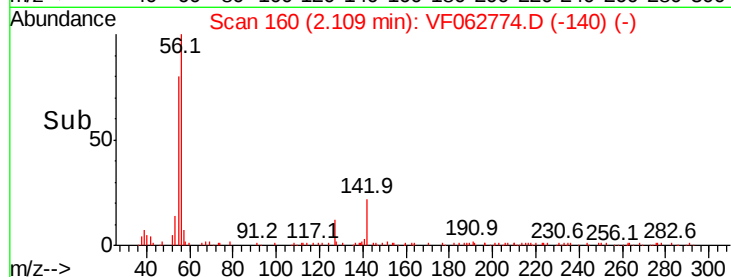
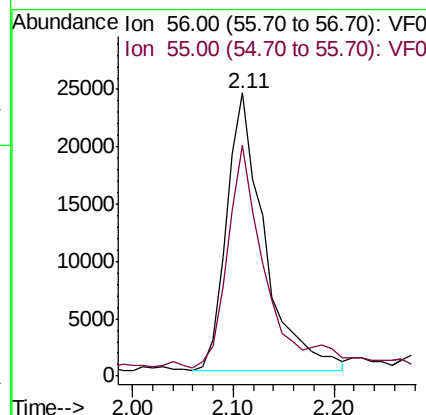
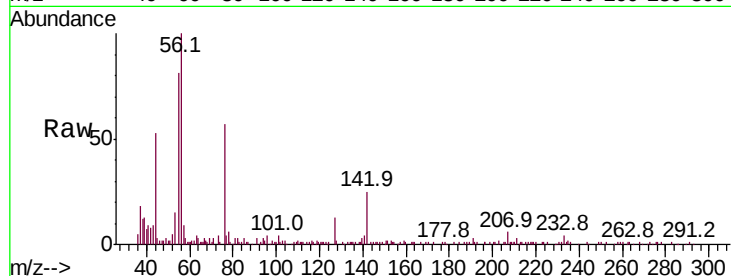




#13
 Acrolein
 Concen: 171.375 ug/l
 RT: 2.11 min Scan# 160
 Delta R.T. -0.00 min
 Lab File: VF062774.D
 Acq: 29 May 2019 10:24

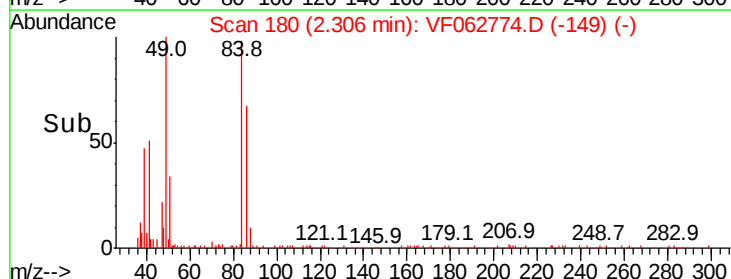
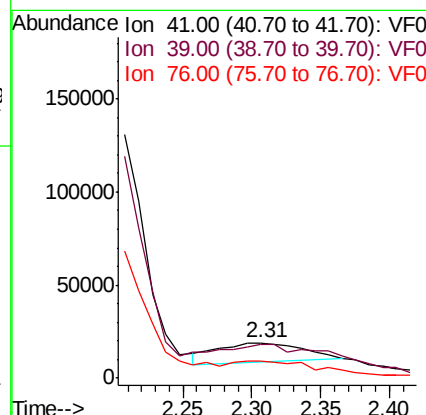
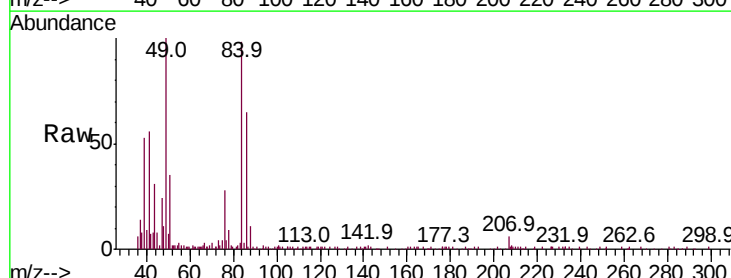
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

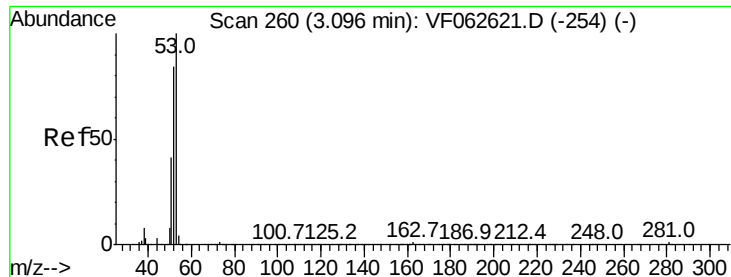
Tot Ion: 56 Resp: 63572
 Ion Ratio Lower Upper
 56 100
 55 81.4 59.4 89.0



#14
 Allyl chloride
 Concen: 7.240 ug/l
 RT: 2.31 min Scan# 180
 Delta R.T. 0.11 min
 Lab File: VF062774.D
 Acq: 29 May 2019 10:24

Tgt Ion: 41 Resp: 44835
 Ion Ratio Lower Upper
 41 100
 39 93.8 72.0 108.0
 76 49.8 34.8 52.2





#15

Acrylonitrile

Concen: 462.543 ug/l

RT: 3.10 min Scan# 261

Delta R.T. 0.01 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

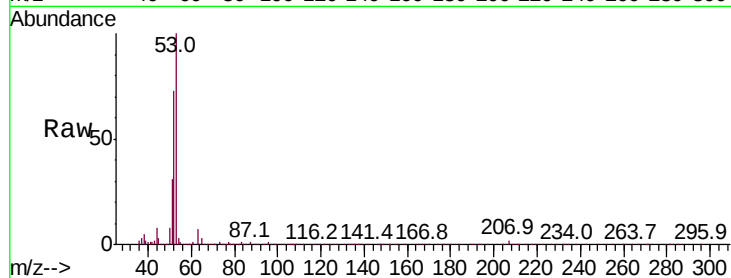
Tot Ion: 53 Resp: 463667

Ion Ratio Lower Upper

53 100

52 73.3 67.3 100.9

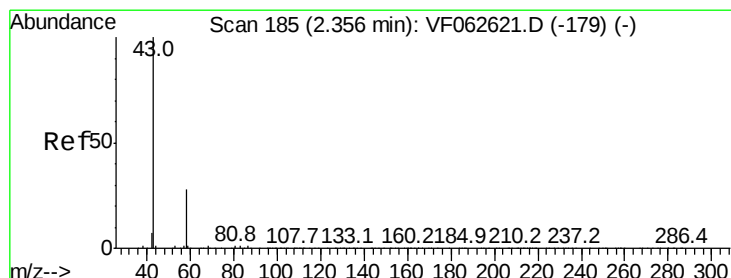
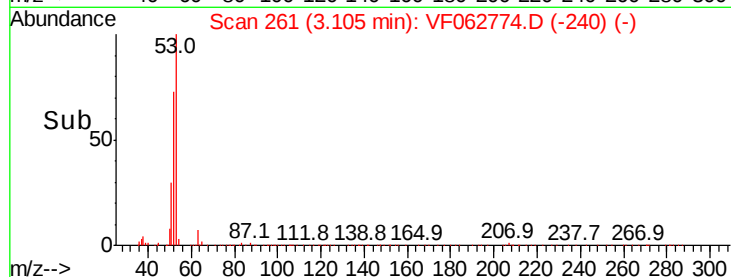
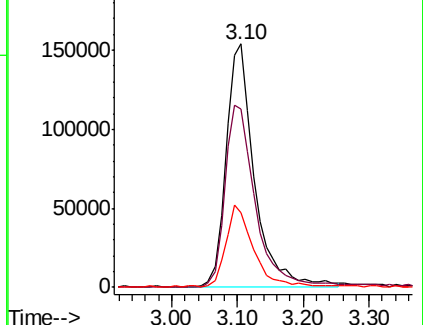
51 30.5 33.0 49.6#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 283.049 ug/l

RT: 2.36 min Scan# 185

Delta R.T. -0.00 min

Lab File: VF062774.D

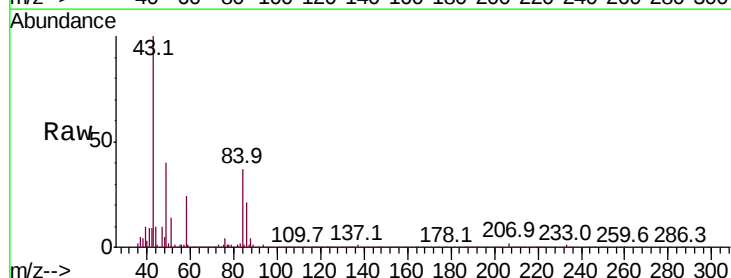
Acq: 29 May 2019 10:24

Tgt Ion: 43 Resp: 395259

Ion Ratio Lower Upper

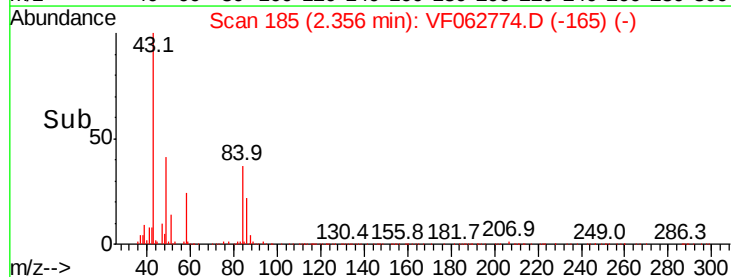
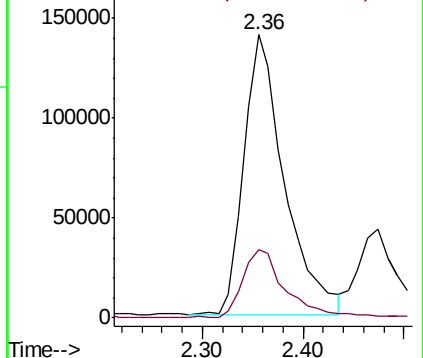
43 100

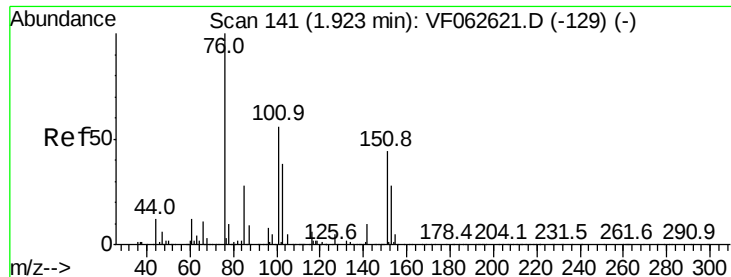
58 24.2 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

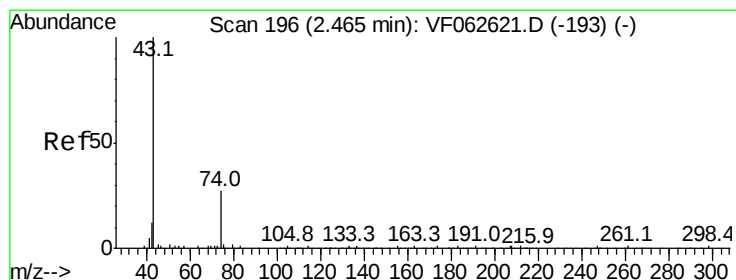
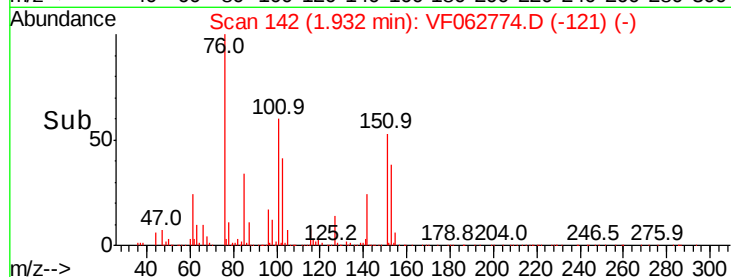
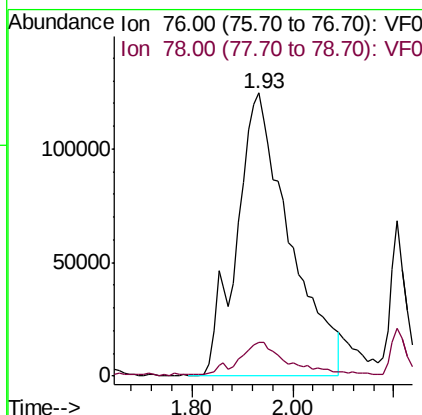
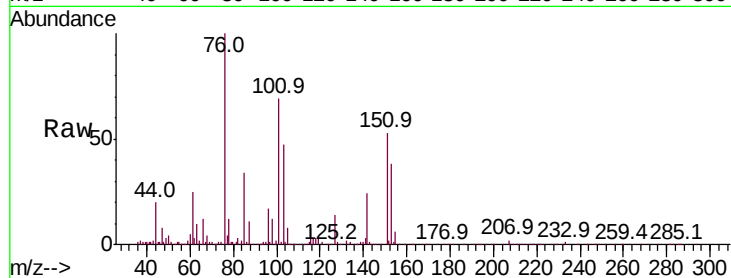




#17
Carbon Disulfide
Concen: 44.805 ug/l
RT: 1.93 min Scan# 142
Delta R.T. 0.01 min
Lab File: VF062774.D
Acq: 29 May 2019 10:24

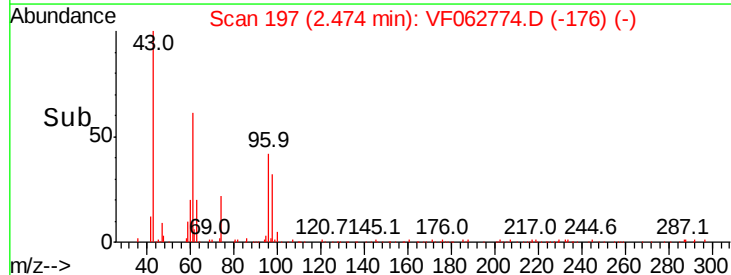
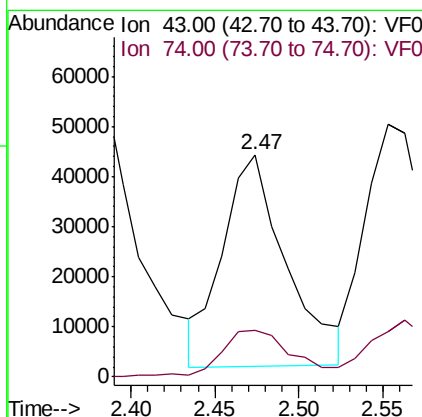
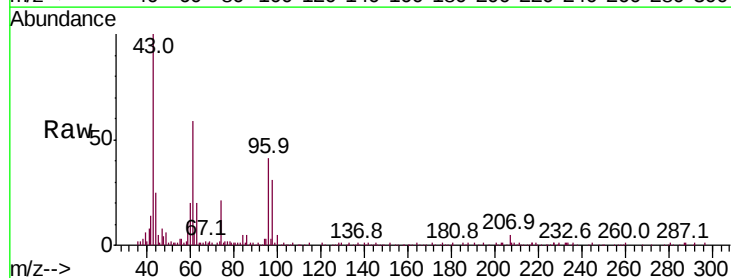
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

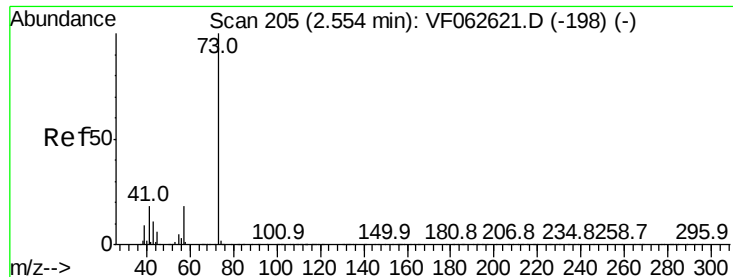
Tot Ion: 76 Resp: 908704
Ion Ratio Lower Upper
76 100
78 12.1 8.4 12.6



#18
Methyl Acetate
Concen: 50.860 ug/l
RT: 2.47 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF062774.D
Acq: 29 May 2019 10:24

Tgt Ion: 43 Resp: 111608
Ion Ratio Lower Upper
43 100
74 21.2 18.9 28.3



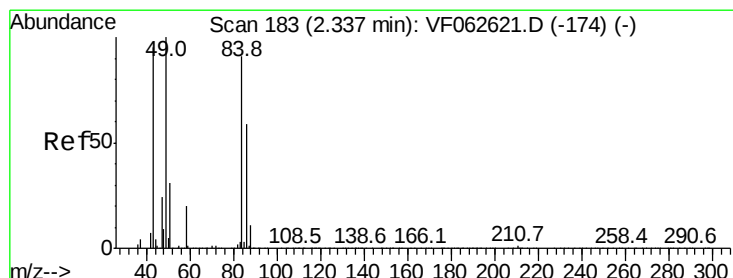
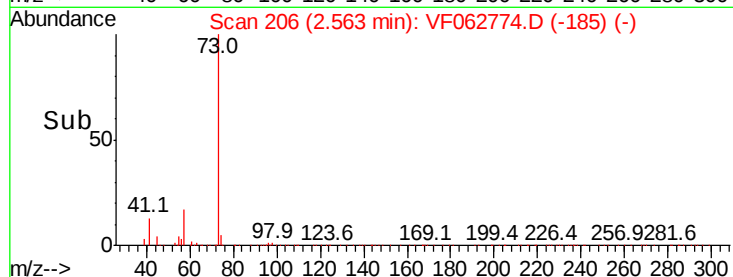
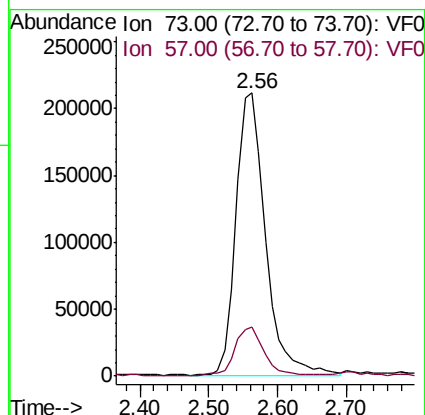
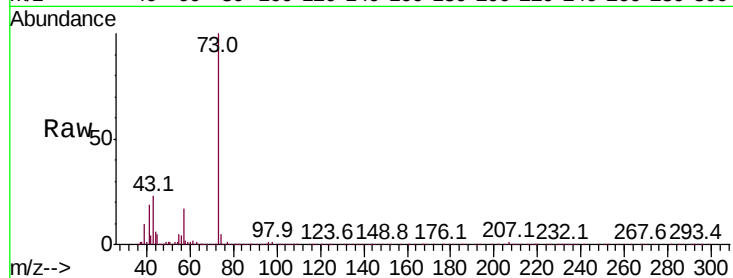


#19

Methyl tert-butyl Ether
 Concen: 51.113 ug/l
 RT: 2.56 min Scan# 206
 Delta R.T. 0.01 min
 Lab File: VF062774.D
 Acq: 29 May 2019 10:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

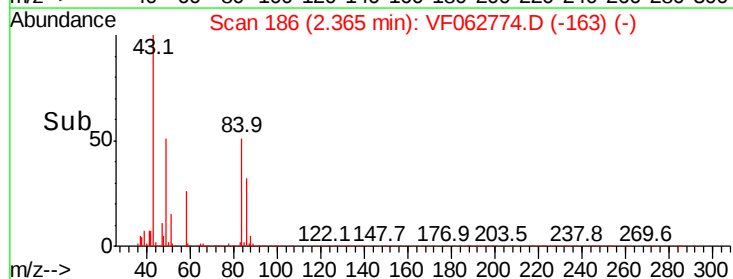
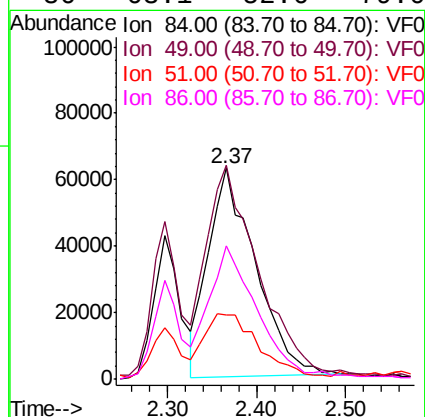
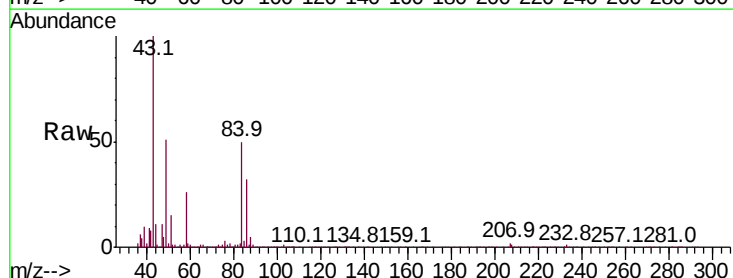
Tot Ion: 73 Resp: 625234
 Ion Ratio Lower Upper
 73 100
 57 17.4 14.2 21.4

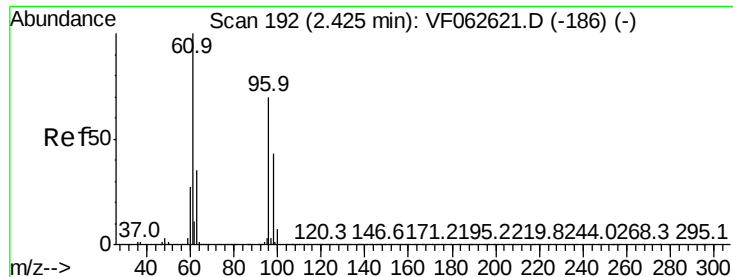


#20

Methylene Chloride
 Concen: 32.981 ug/l
 RT: 2.37 min Scan# 186
 Delta R.T. 0.03 min
 Lab File: VF062774.D
 Acq: 29 May 2019 10:24

Tgt Ion: 84 Resp: 230849
 Ion Ratio Lower Upper
 84 100
 49 101.3 89.8 134.8
 51 30.5 28.4 42.6
 86 63.1 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 41.672 ug/l

RT: 2.43 min Scan# 193

Delta R.T. 0.01 min

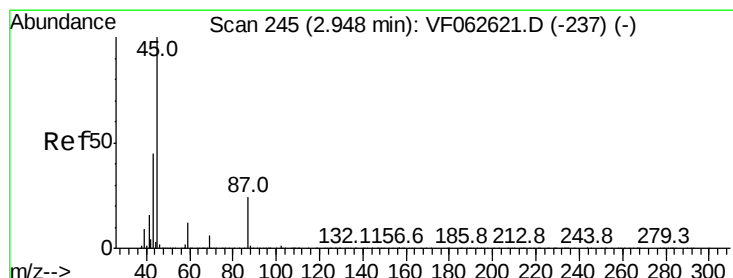
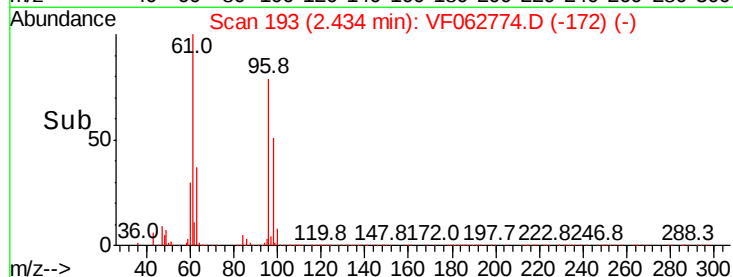
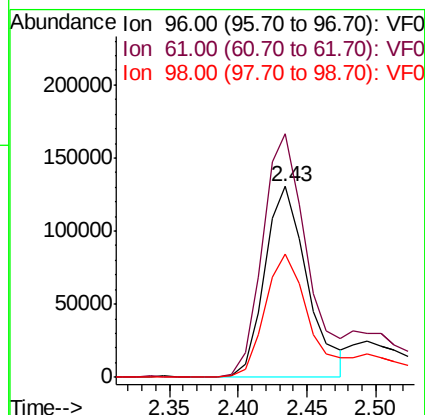
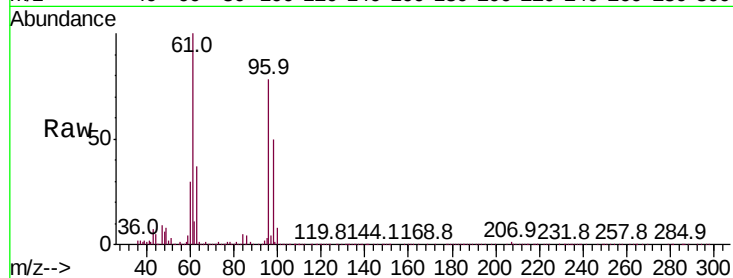
Lab File: VF062774.D

Acq: 29 May 2019 10:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 278713

Ion	Ratio	Lower	Upper
96	100		
61	127.5	114.6	171.8
98	64.2	49.5	74.3



#22

Diisopropyl ether

Concen: 49.325 ug/l

RT: 2.95 min Scan# 245

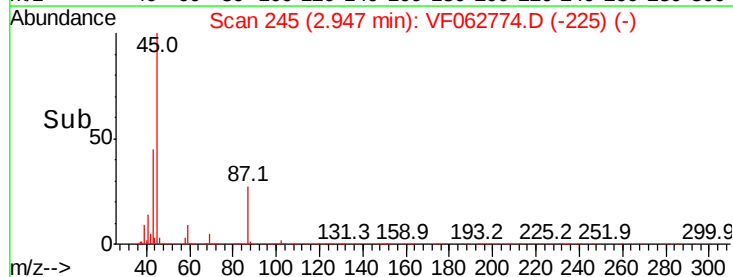
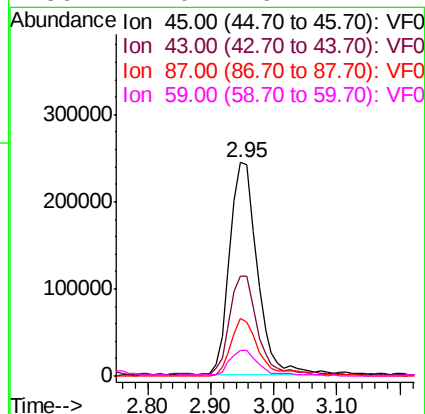
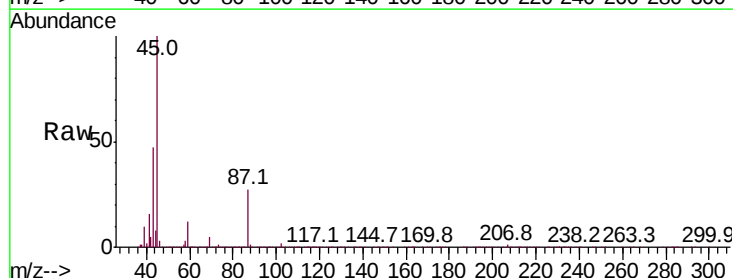
Delta R.T. -0.00 min

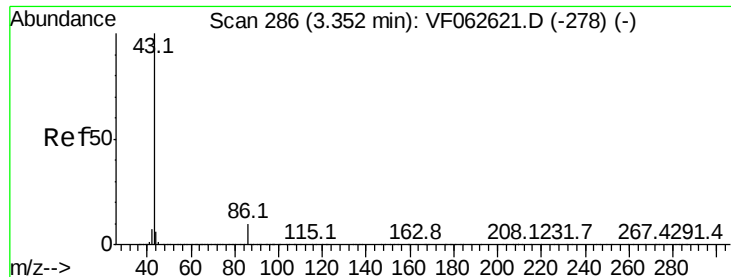
Lab File: VF062774.D

Acq: 29 May 2019 10:24

Tgt Ion: 45 Resp: 753406

Ion	Ratio	Lower	Upper
45	100		
43	46.8	36.4	54.6
87	27.1	19.3	28.9
59	12.0	9.4	14.2





#23

Vinyl Acetate

Concen: 251.996 ug/l

RT: 3.36 min Scan# 287

Delta R.T. 0.01 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

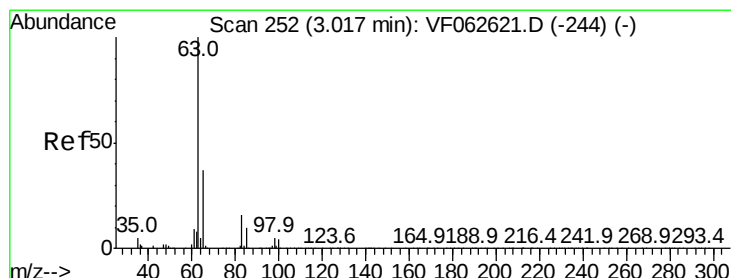
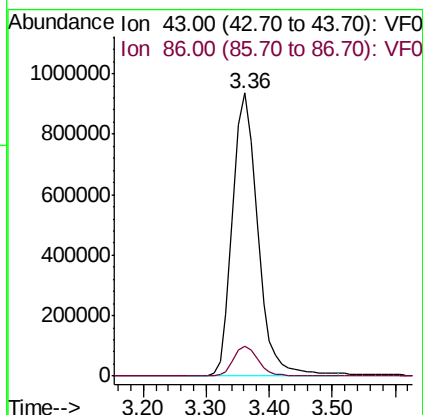
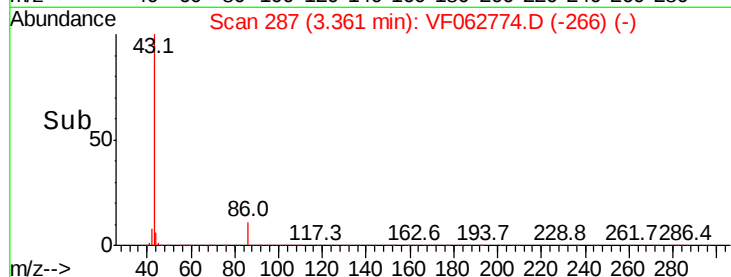
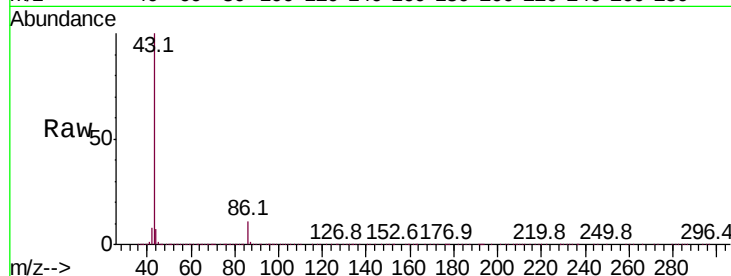
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2596491

Ion Ratio Lower Upper

43 100

86 10.7 8.2 12.2



#24

1,1-Dichloroethane

Concen: 72.640 ug/l

RT: 3.03 min Scan# 253

Delta R.T. 0.01 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

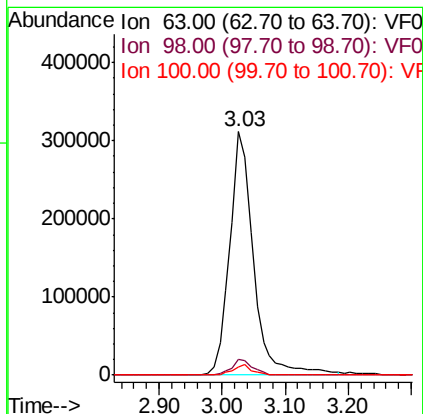
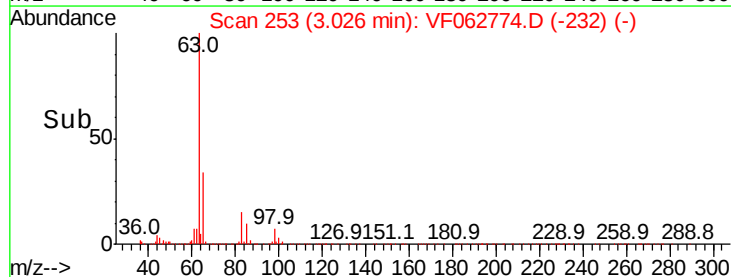
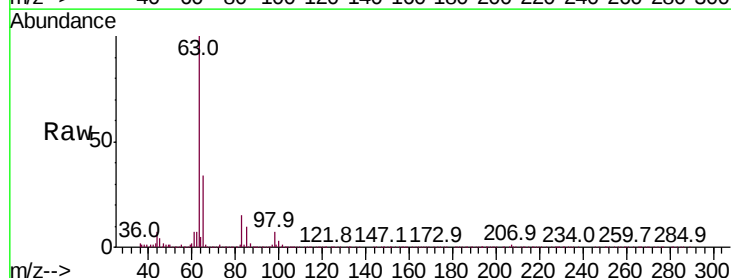
Tgt Ion: 63 Resp: 813947

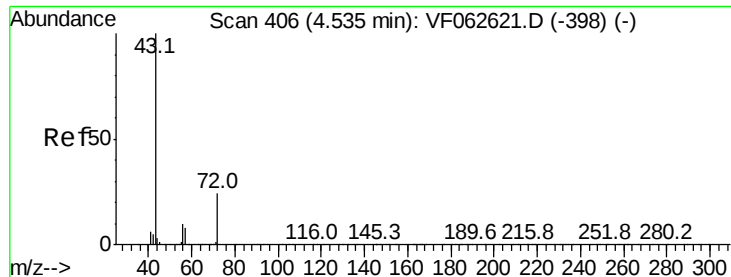
Ion Ratio Lower Upper

63 100

98 6.6 2.8 8.3

100 3.3 1.9 5.7





#25

2-Butanone

Concen: 263.641 ug/l

RT: 4.54 min Scan# 407

Delta R.T. 0.01 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

Instrument :

MSVOA_F

ClientSampleId :

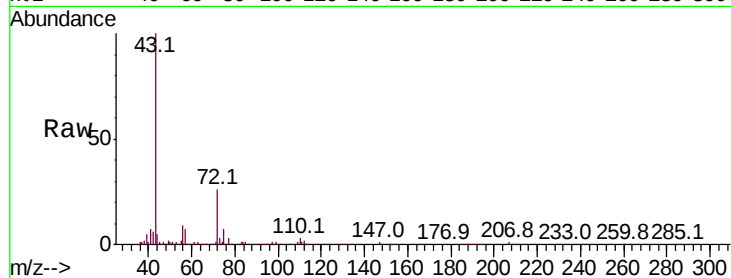
VSTDCCC050

Tot Ion: 43 Resp: 786567

Ion Ratio Lower Upper

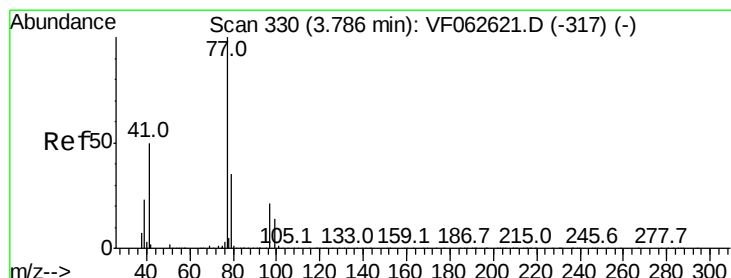
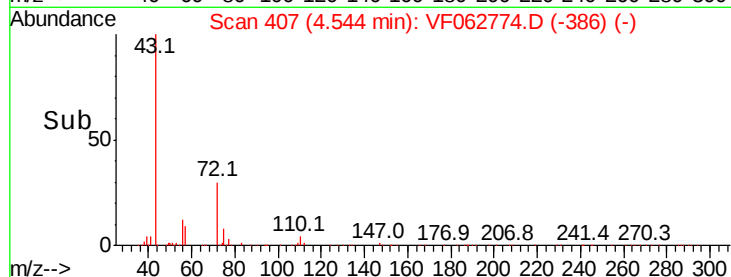
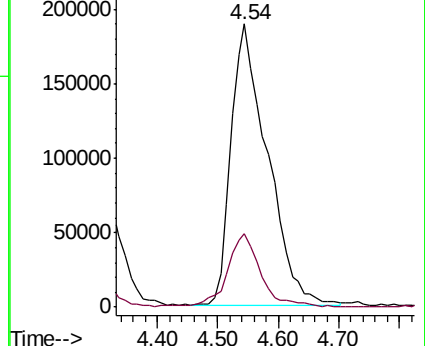
43 100

72 26.2 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 52.535 ug/l

RT: 3.79 min Scan# 331

Delta R.T. 0.01 min

Lab File: VF062774.D

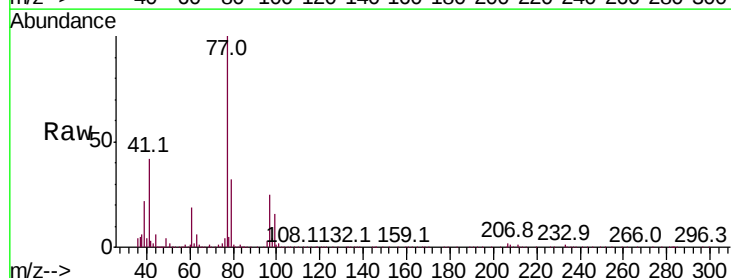
Acq: 29 May 2019 10:24

Tgt Ion: 77 Resp: 336816

Ion Ratio Lower Upper

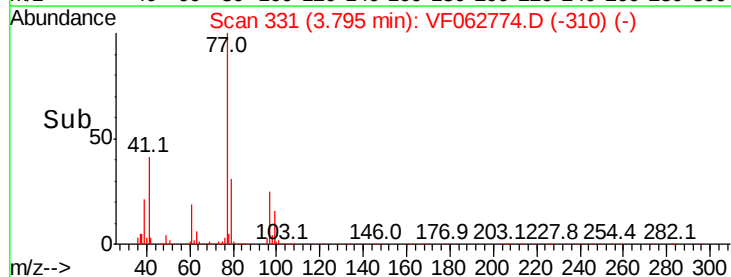
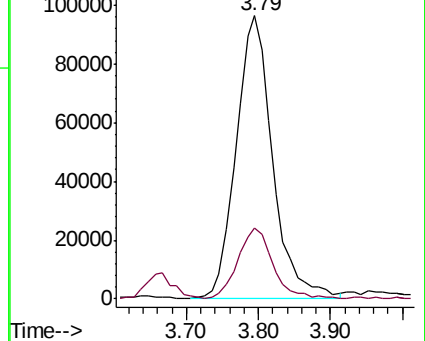
77 100

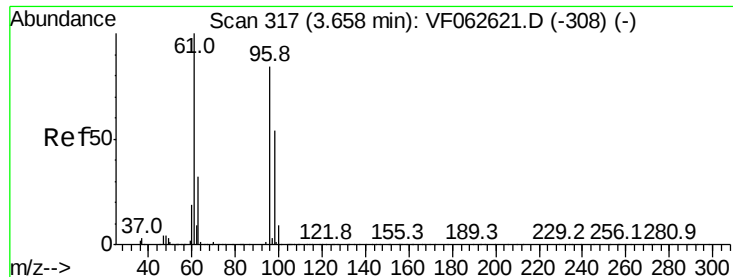
97 25.3 14.1 42.4



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



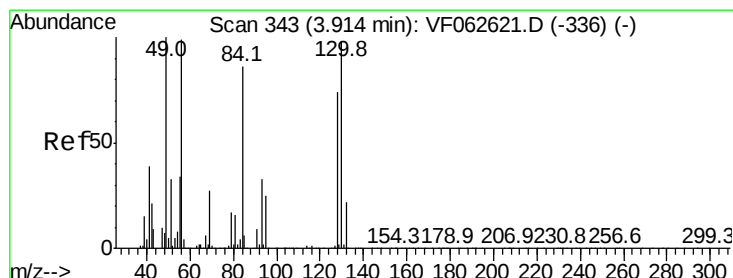
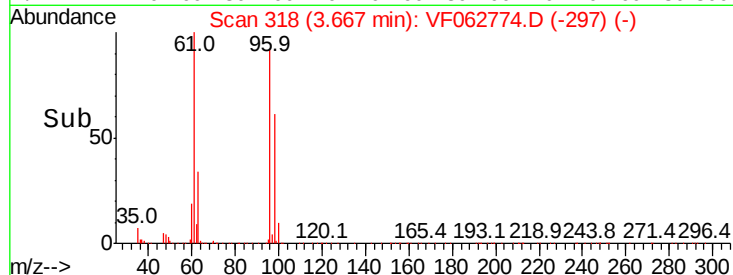
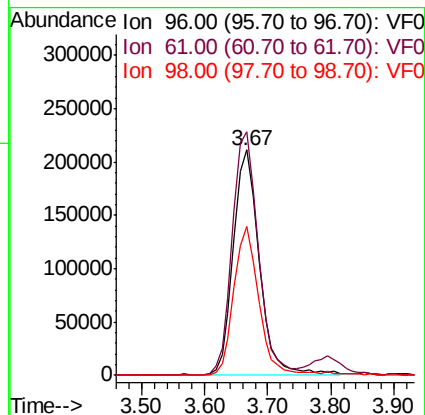
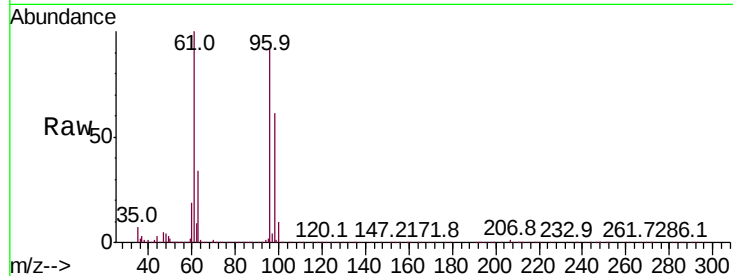


#27

cis-1,2-Dichloroethene
 Concen: 54.609 ug/l
 RT: 3.67 min Scan# 318
 Delta R.T. 0.01 min
 Lab File: VF062774.D
 Acq: 29 May 2019 10:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

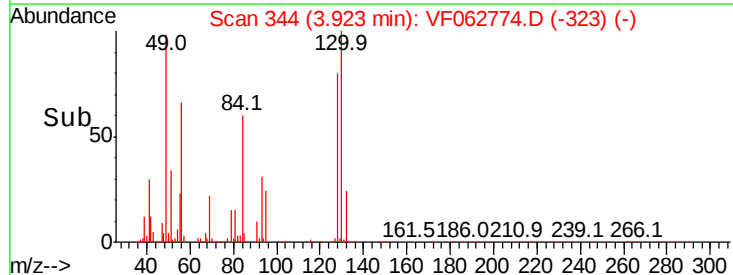
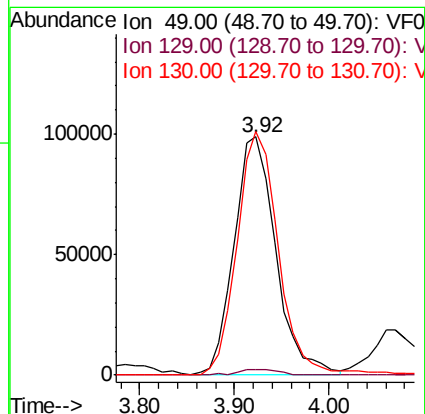
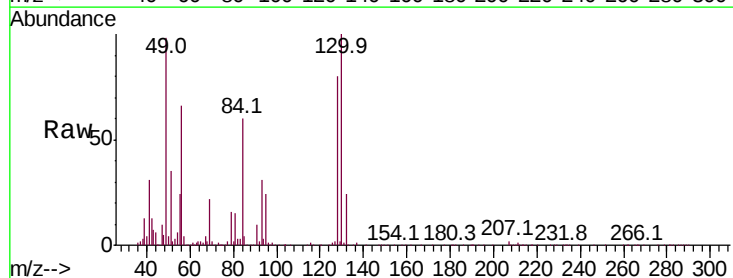
Tot Ion	96	Resp	600773
Ion	Ratio	Lower	Upper
96	100		
61	108.1	0.0	237.4
98	66.3	0.0	129.0

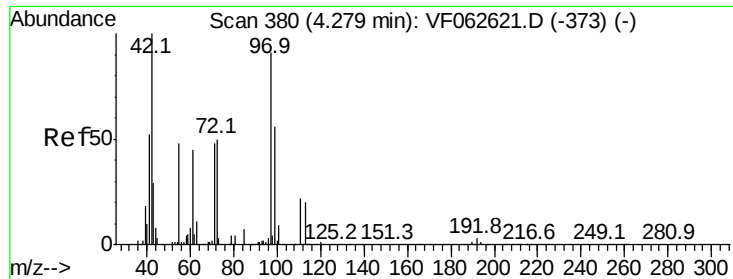


#28

Bromochloromethane
 Concen: 47.951 ug/l
 RT: 3.92 min Scan# 344
 Delta R.T. 0.01 min
 Lab File: VF062774.D
 Acq: 29 May 2019 10:24

Tgt Ion	49	Resp	301343
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	102.2	77.8	116.8





#29

Tetrahydrofuran

Concen: 248.469 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

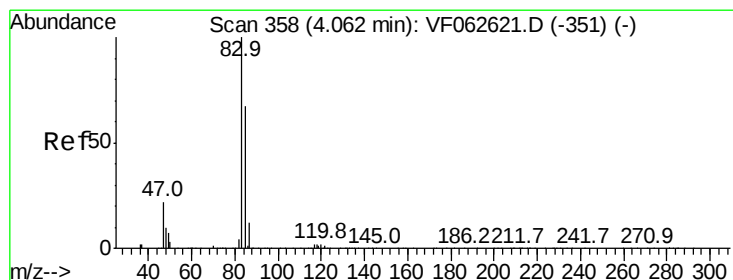
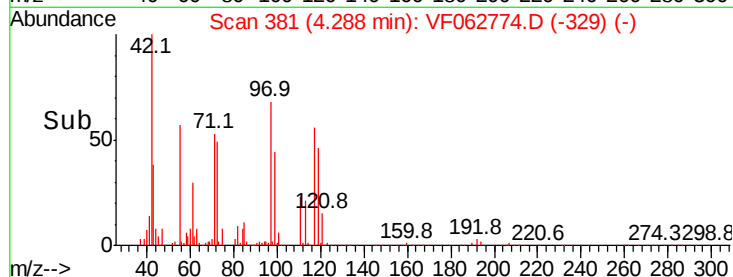
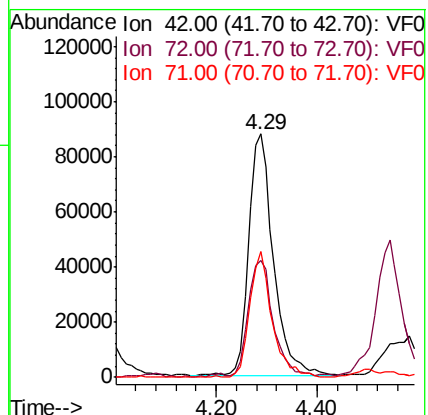
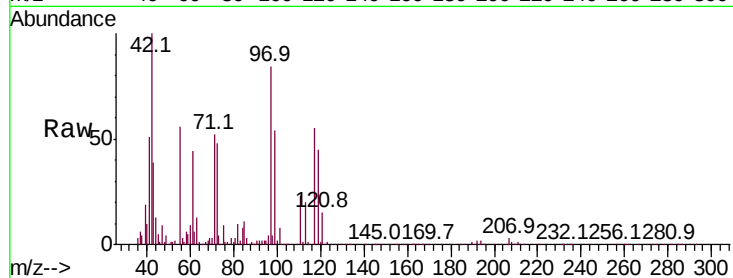
Tot Ion: 42 Resp: 299979

Ion Ratio Lower Upper

42 100

72 49.2 38.2 57.2

71 46.1 35.8 53.6



#30

Chloroform

Concen: 51.258 ug/l

RT: 4.07 min Scan# 359

Delta R.T. 0.01 min

Lab File: VF062774.D

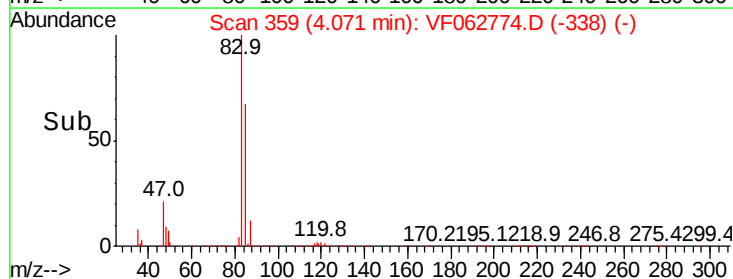
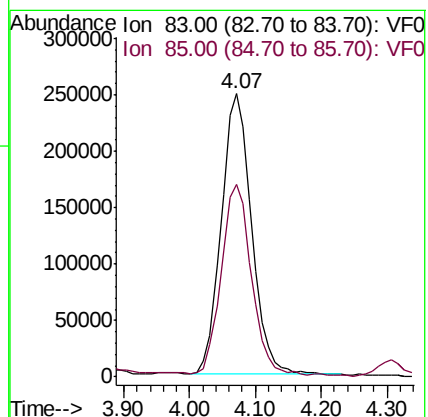
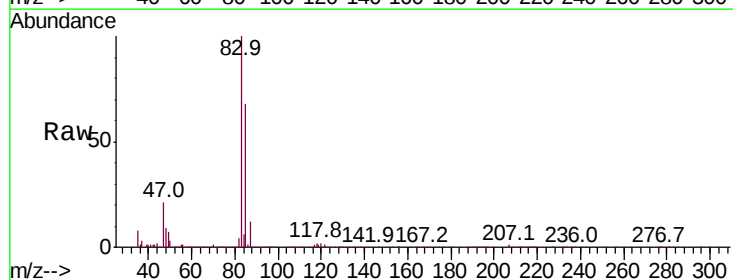
Acq: 29 May 2019 10:24

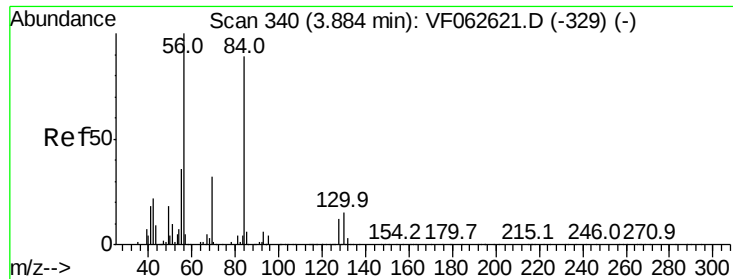
Tgt Ion: 83 Resp: 797441

Ion Ratio Lower Upper

83 100

85 68.0 53.6 80.4

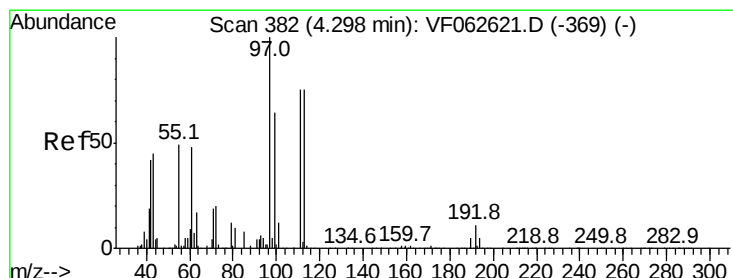
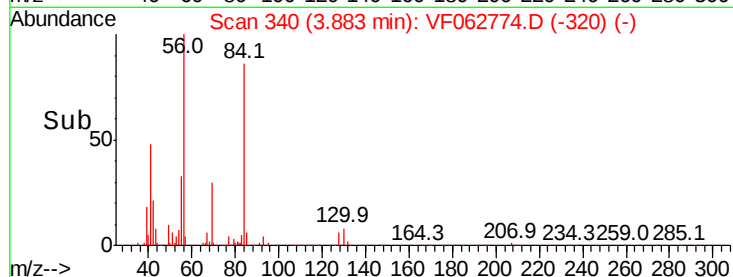
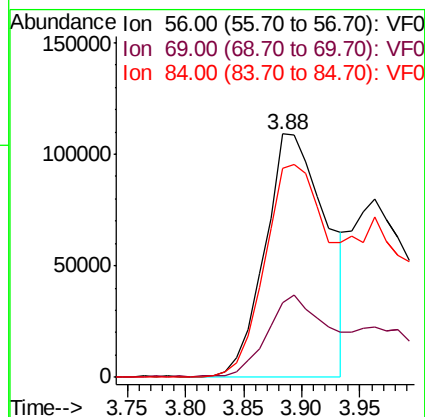
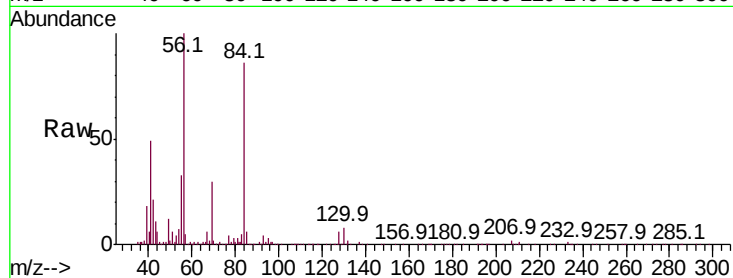




#31
Cyclohexane
Concen: 26.553 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.00 min
Lab File: VF062774.D
Acq: 29 May 2019 10:24

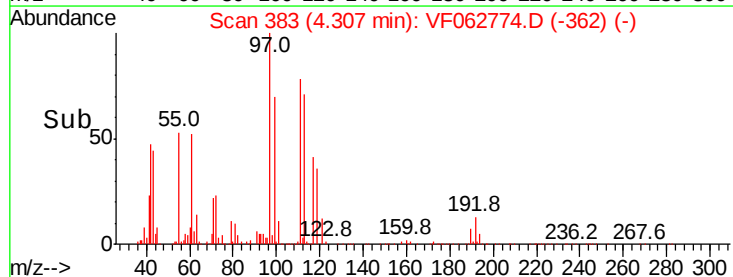
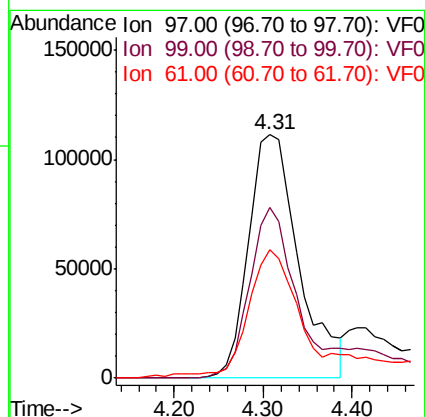
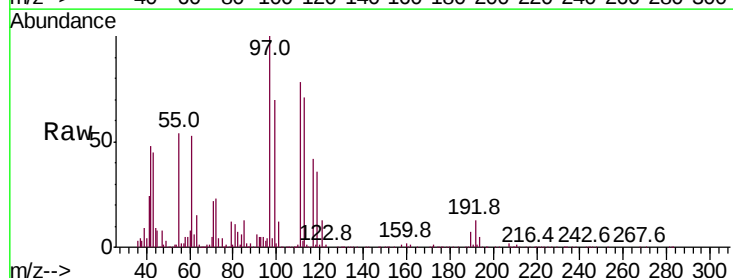
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

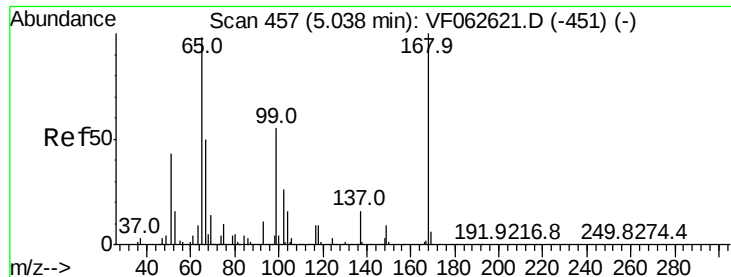
Tot Ion	56	Resp	399500
Ion Ratio	Lower	Upper	
56	100		
69	30.5	25.3	37.9
84	85.6	71.0	106.4



#32
1,1,1-Trichloroethane
Concen: 42.050 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.01 min
Lab File: VF062774.D
Acq: 29 May 2019 10:24

Tgt Ion	97	Resp	434461
Ion Ratio	Lower	Upper	
97	100		
99	69.9	51.3	76.9
61	52.5	38.2	57.2





#33

1,2-Dichloroethane-d4

Concen: 42.973 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

Instrument :

MSVOA_F

ClientSampleId :

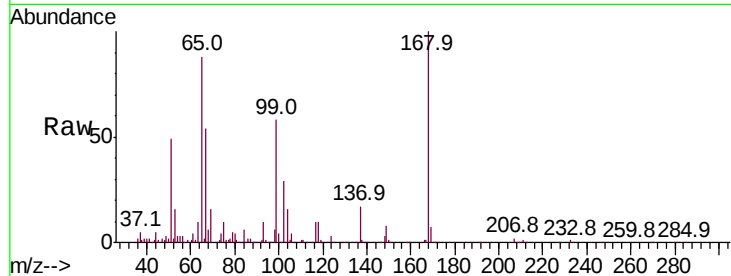
VSTDCCC050

Tot Ion: 65 Resp: 231307

Ion Ratio Lower Upper

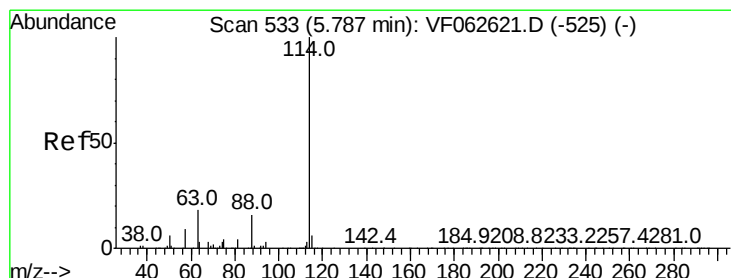
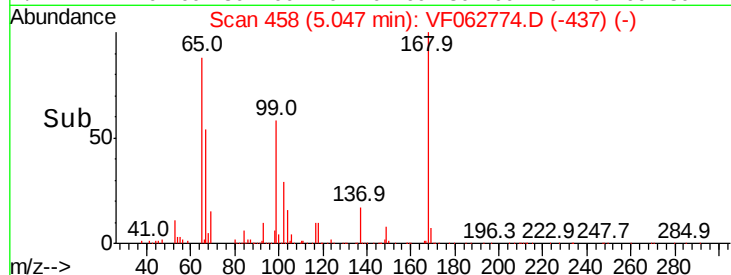
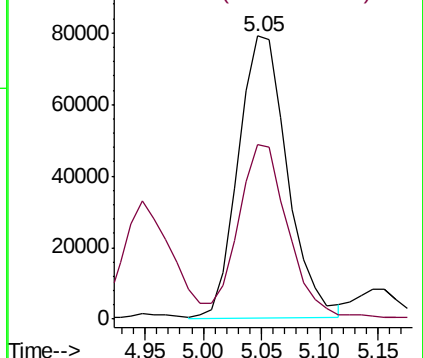
65 100

67 61.8 0.0 117.6



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: 5.80 min Scan# 534

Delta R.T. 0.01 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

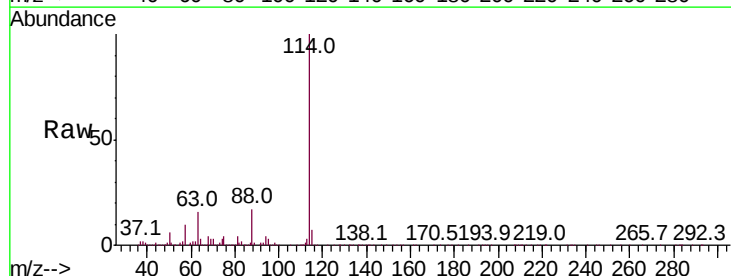
Tgt Ion: 114 Resp: 1202127

Ion Ratio Lower Upper

114 100

63 16.1 0.0 35.4

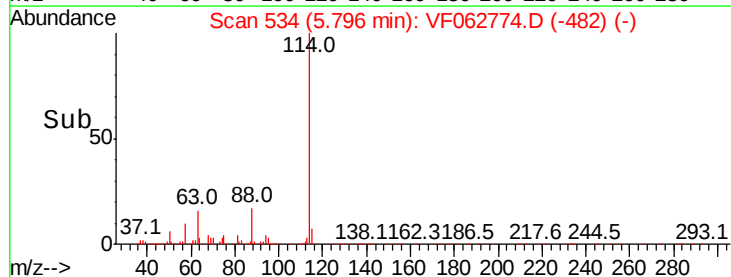
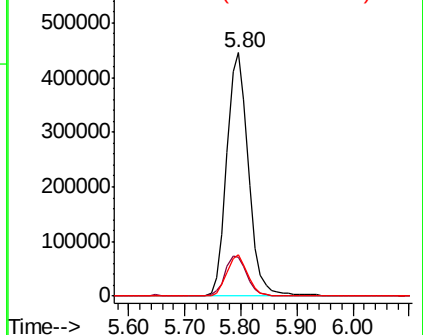
88 16.9 0.0 32.4

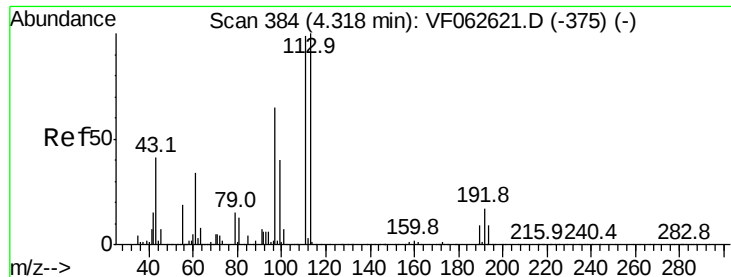


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

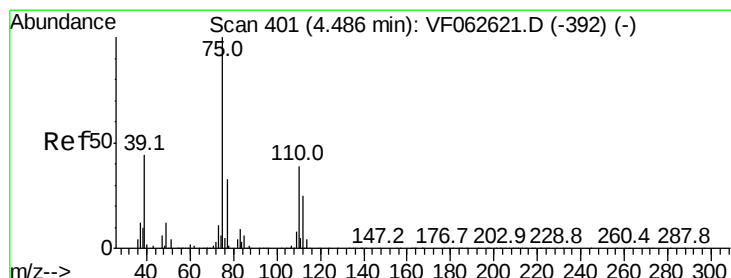
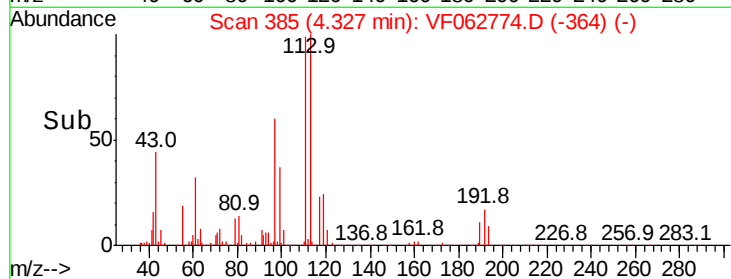
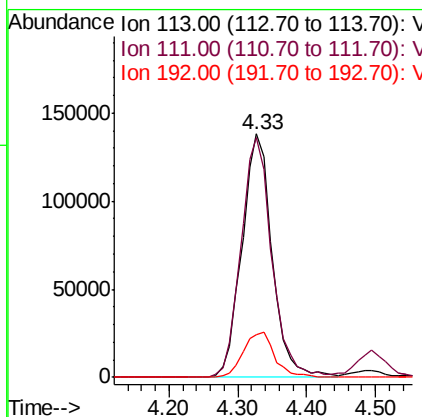
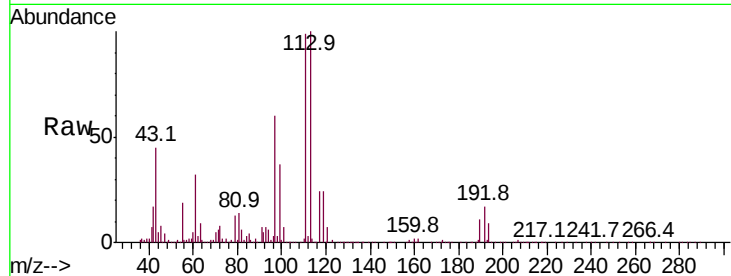




#35
 Dibromofluoromethane
 Concen: 45.707 ug/l
 RT: 4.33 min Scan# 385
 Delta R.T. 0.01 min
 Lab File: VF062774.D
 Acq: 29 May 2019 10:24

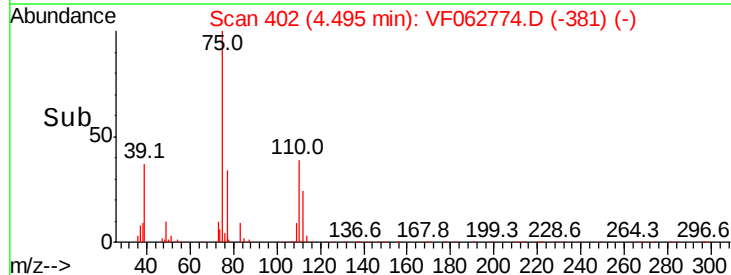
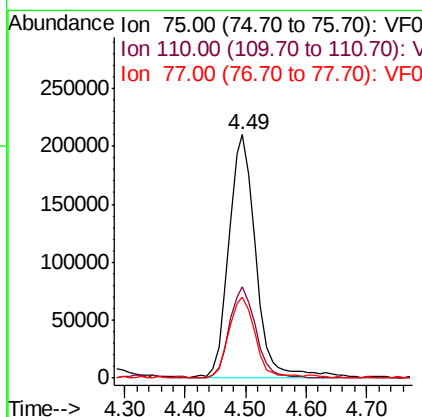
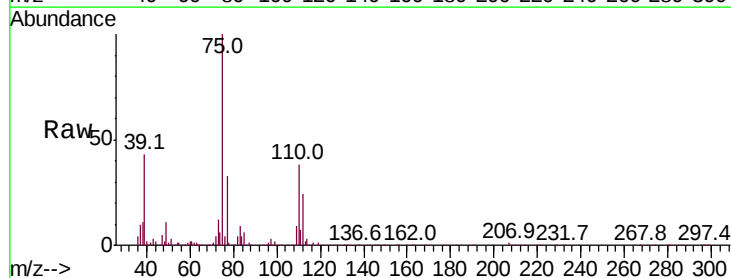
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 420446
 Ion Ratio Lower Upper
 113 100
 111 98.7 79.4 119.2
 192 17.5 13.4 20.2



#36
 1,1-Dichloropropene
 Concen: 52.123 ug/l
 RT: 4.49 min Scan# 402
 Delta R.T. 0.01 min
 Lab File: VF062774.D
 Acq: 29 May 2019 10:24

Tgt Ion: 75 Resp: 642059
 Ion Ratio Lower Upper
 75 100
 110 37.6 19.7 59.1
 77 33.4 26.3 39.5

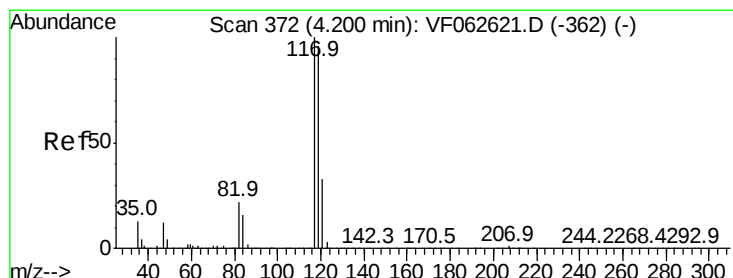
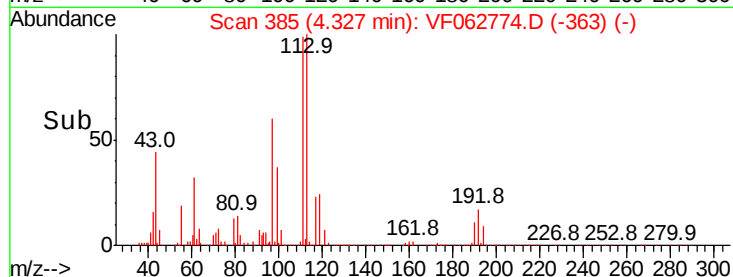
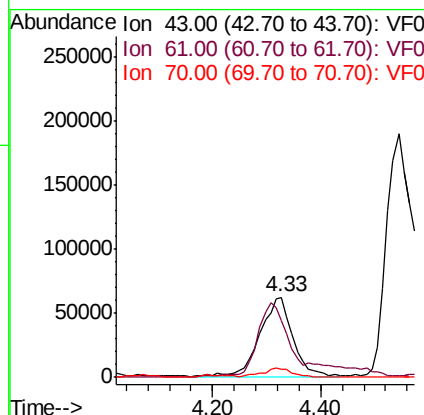
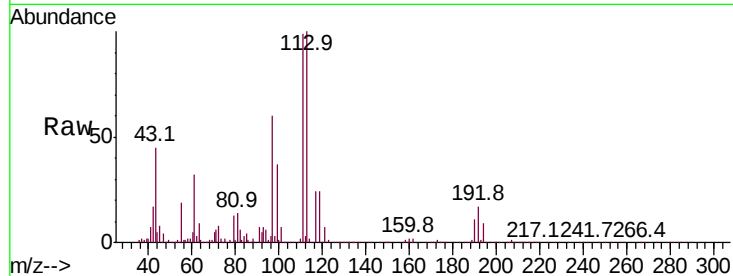




#37
Ethyl Acetate
Concen: 51.299 ug/l
RT: 4.33 min Scan# 385
Delta R.T. 0.02 min
Lab File: VF062774.D
Acq: 29 May 2019 10:24

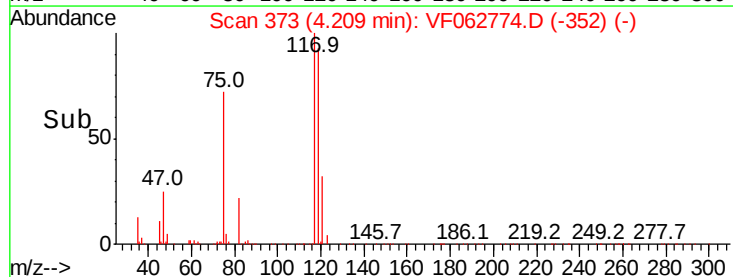
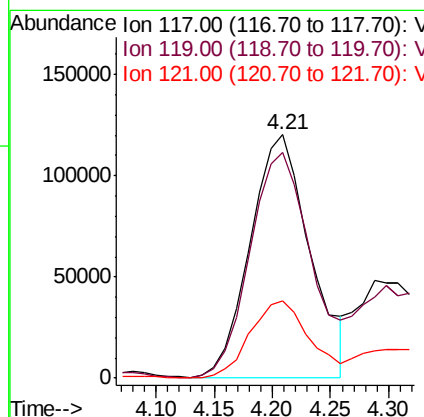
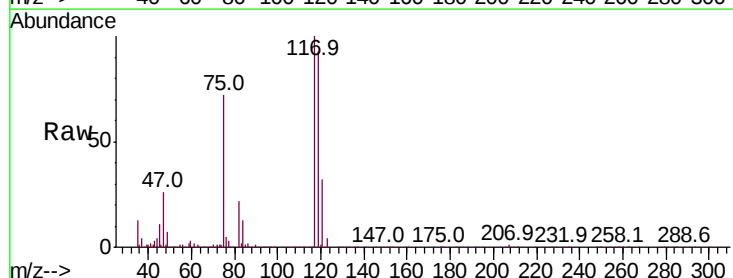
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

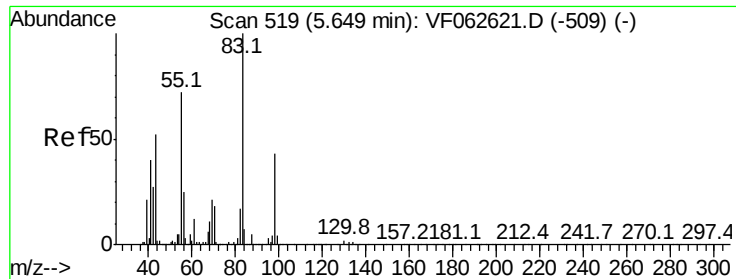
Tot Ion: 43 Resp: 258008
Ion Ratio Lower Upper
43 100
61 71.0 76.9 115.3#
70 10.6 8.8 13.2



#38
Carbon Tetrachloride
Concen: 45.874 ug/l
RT: 4.21 min Scan# 373
Delta R.T. 0.01 min
Lab File: VF062774.D
Acq: 29 May 2019 10:24

Tgt Ion: 117 Resp: 424983
Ion Ratio Lower Upper
117 100
119 92.6 76.7 115.1
121 31.6 26.6 40.0

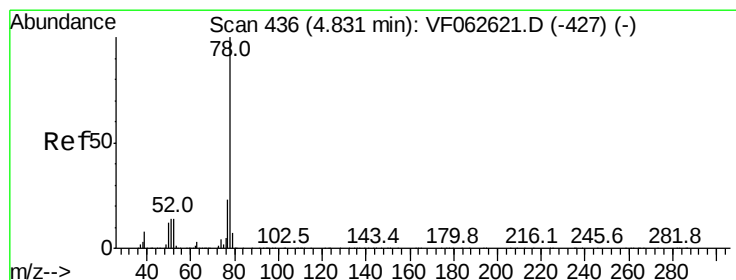
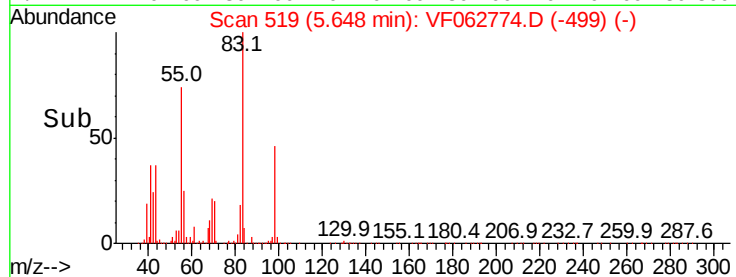
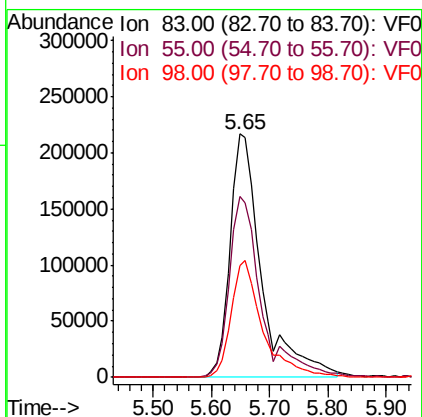
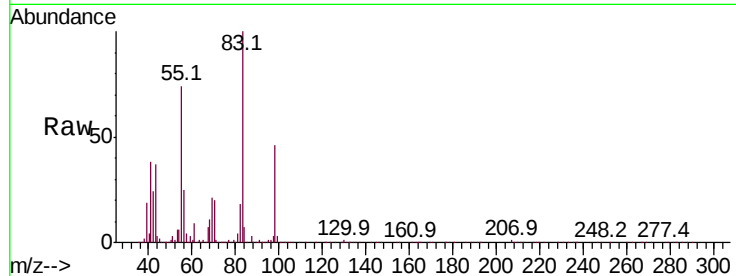




#39
Methylcyclohexane
Concen: 55.486 ug/l
RT: 5.65 min Scan# 519
Delta R.T. -0.00 min
Lab File: VF062774.D
Acq: 29 May 2019 10:24

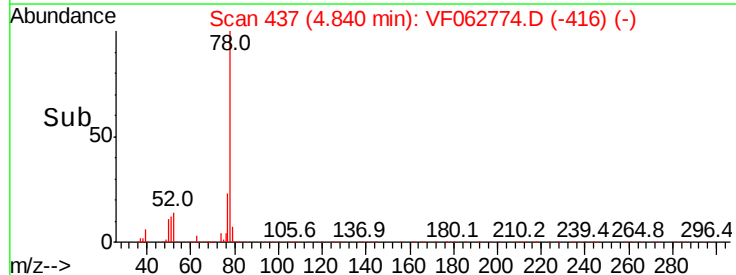
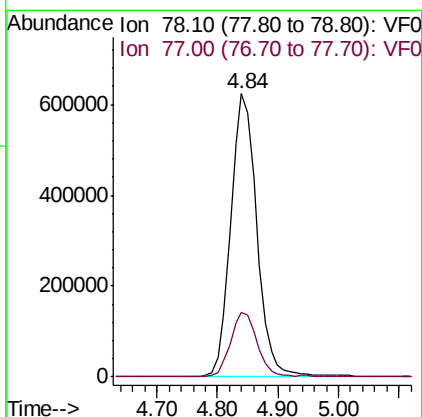
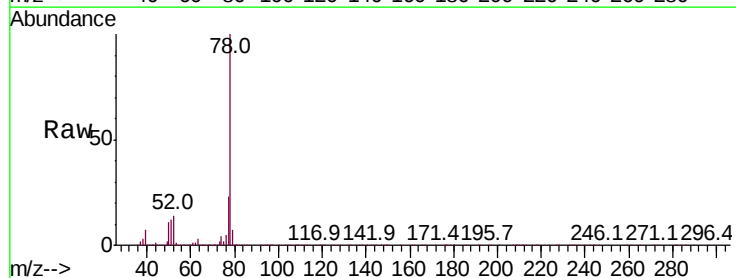
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

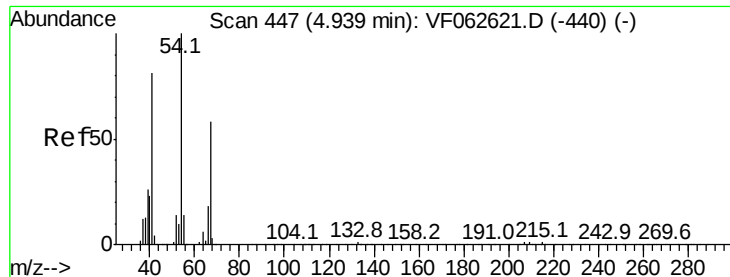
Tot Ion: 83 Resp: 822406
Ion Ratio Lower Upper
83 100
55 74.4 57.9 86.9
98 45.7 34.6 52.0



#40
Benzene
Concen: 55.751 ug/l
RT: 4.84 min Scan# 437
Delta R.T. 0.01 min
Lab File: VF062774.D
Acq: 29 May 2019 10:24

Tgt Ion: 78 Resp: 1870899
Ion Ratio Lower Upper
78 100
77 22.8 18.2 27.2





#41

Methacrylonitrile

Concen: 51.521 ug/l

RT: 4.95 min Scan# 448

Delta R.T. 0.01 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 135851

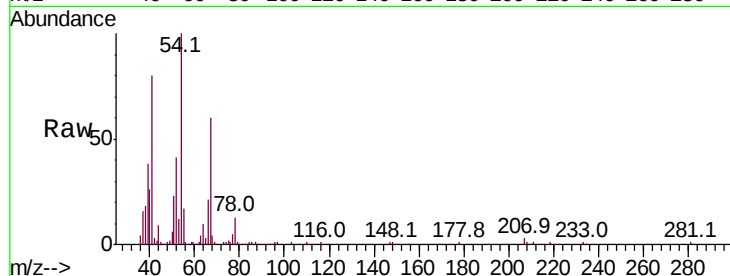
Ion Ratio Lower Upper

41 100

39 47.3 42.2 63.2

67 75.1 56.4 84.6

52 50.6 38.8 58.2

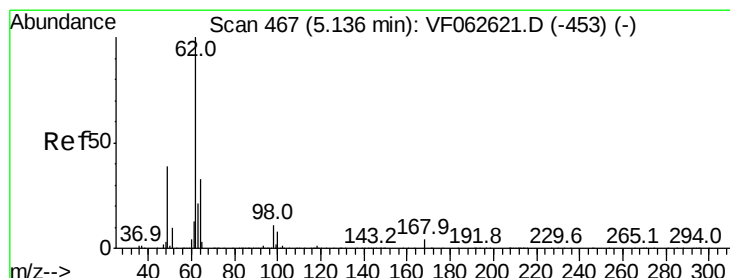
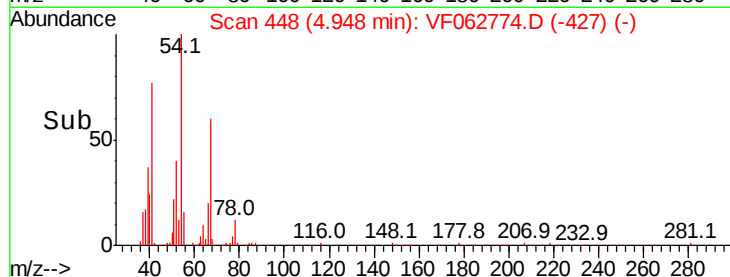
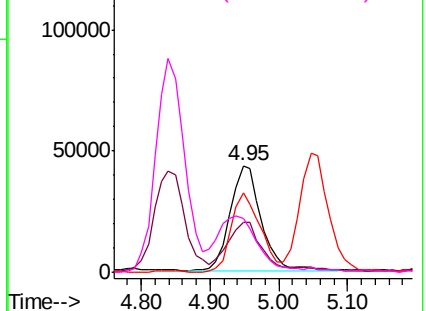


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 54.453 ug/l

RT: 5.15 min Scan# 468

Delta R.T. 0.01 min

Lab File: VF062774.D

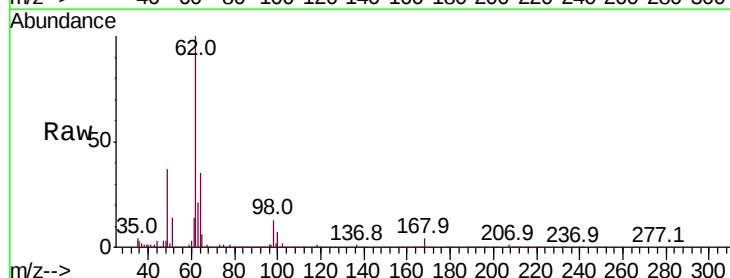
Acq: 29 May 2019 10:24

Tgt Ion: 62 Resp: 364399

Ion Ratio Lower Upper

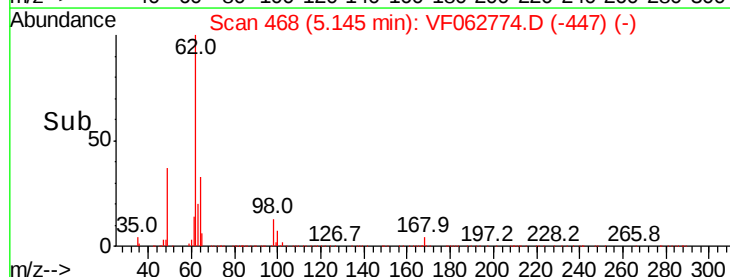
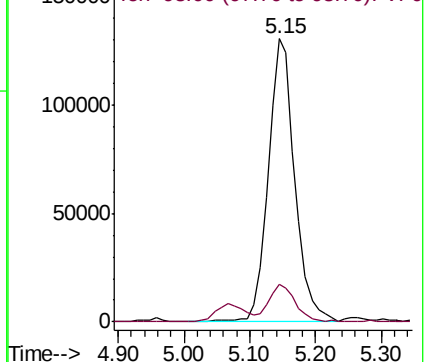
62 100

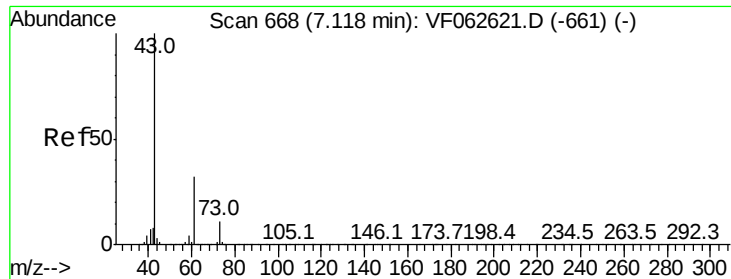
98 13.5 0.0 21.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

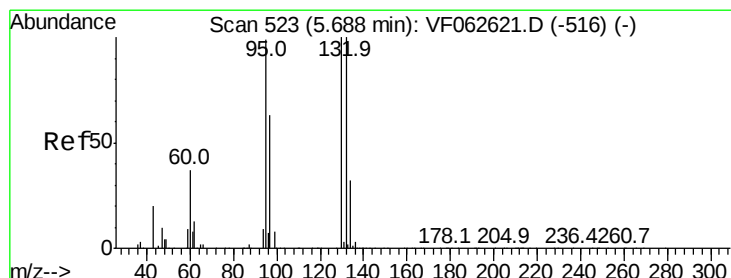
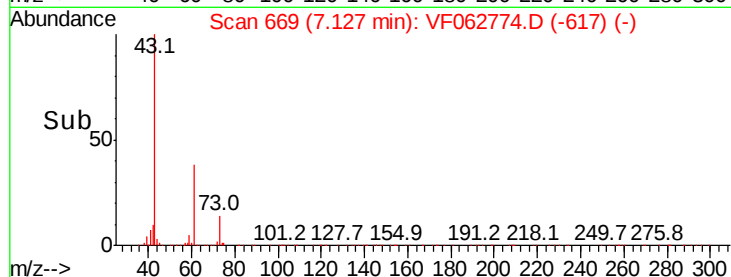
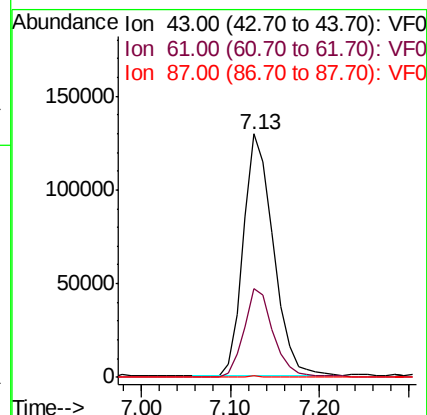
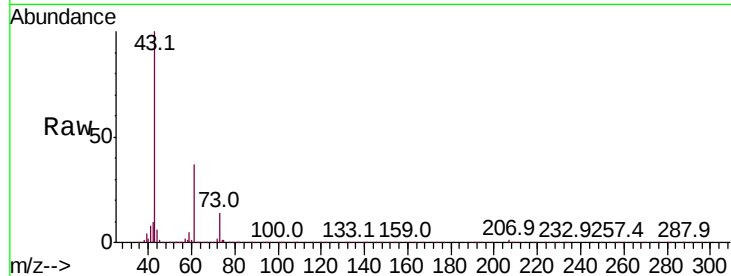




#43
Isopropyl Acetate
Concen: 46.512 ug/l
RT: 7.13 min Scan# 669
Delta R.T. 0.01 min
Lab File: VF062774.D
Acq: 29 May 2019 10:24

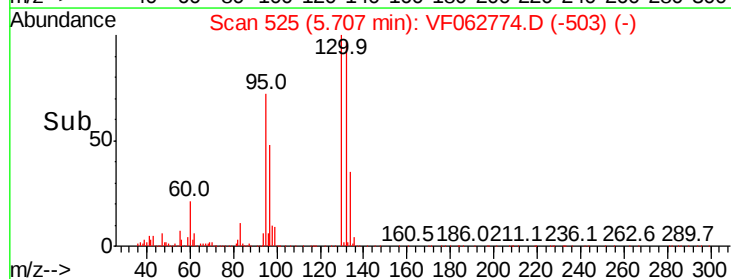
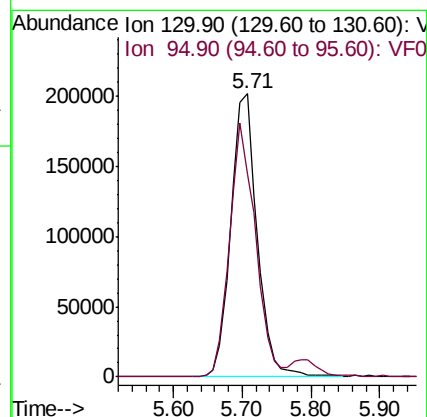
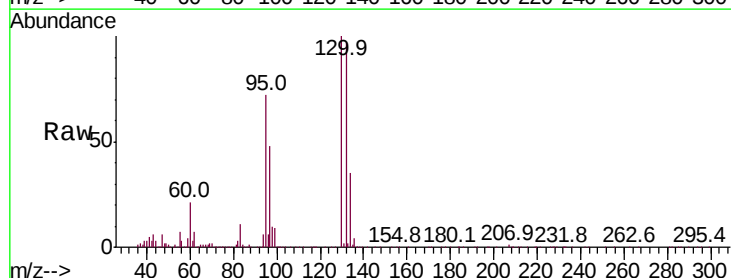
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

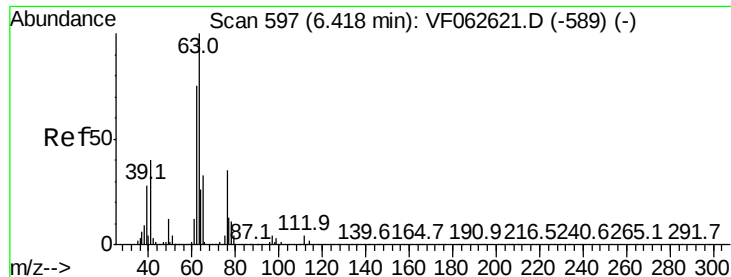
Tot Ion: 43 Resp: 303070
Ion Ratio Lower Upper
43 100
61 36.6 25.8 38.8
87 0.4 0.4 0.6



#44
Trichloroethene
Concen: 56.835 ug/l
RT: 5.71 min Scan# 525
Delta R.T. 0.02 min
Lab File: VF062774.D
Acq: 29 May 2019 10:24

Tgt Ion:130 Resp: 536039
Ion Ratio Lower Upper
130 100
95 71.8 0.0 199.4





#45

1,2-Dichloropropane

Concen: 57.098 ug/l

RT: 6.43 min Scan# 598

Delta R.T. 0.01 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

Instrument :

MSVOA_F

ClientSampleId :

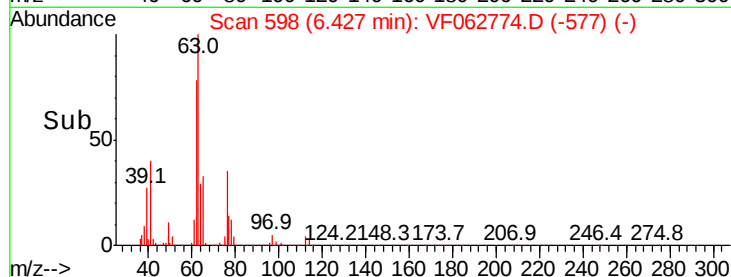
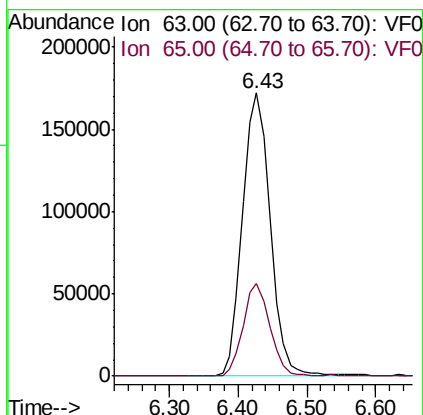
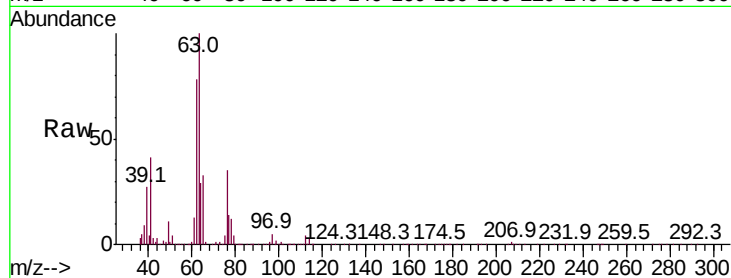
VSTDCCC050

Tot Ion: 63 Resp: 483689

Ion Ratio Lower Upper

63 100

65 32.8 26.3 39.5



#46

Dibromomethane

Concen: 57.796 ug/l

RT: 6.28 min Scan# 583

Delta R.T. 0.01 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

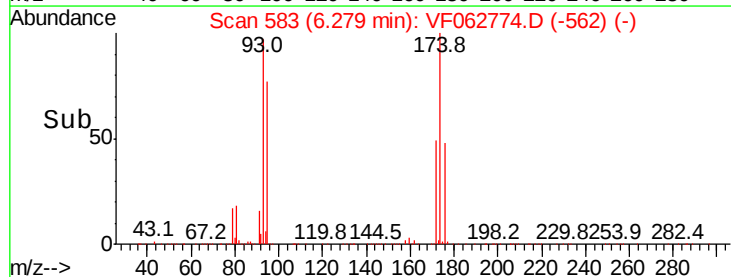
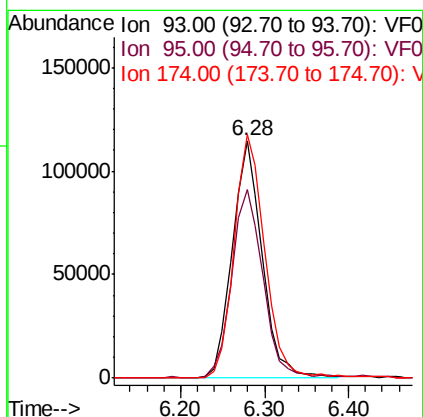
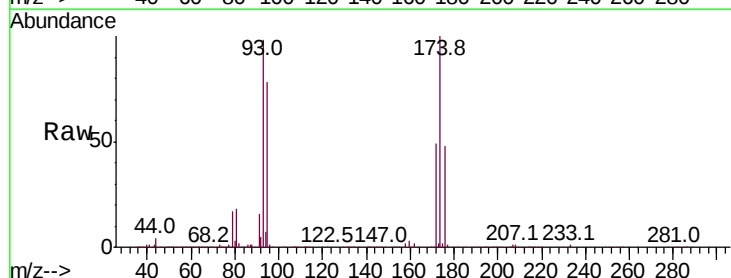
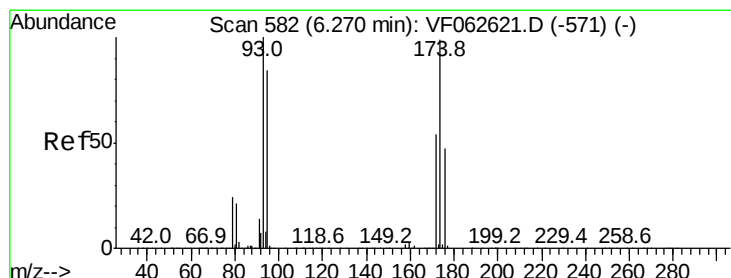
Tgt Ion: 93 Resp: 282954

Ion Ratio Lower Upper

93 100

95 79.4 67.4 101.2

174 102.5 79.4 119.2





#47

Bromodichloromethane

Concen: 56.587 ug/l

RT: 6.57 min Scan# 613

Delta R.T. 0.01 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

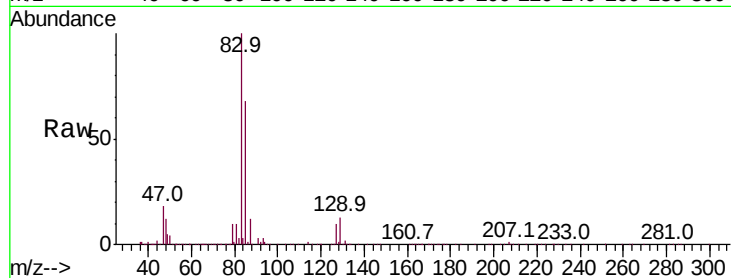
Tot Ion: 83 Resp: 575125

Ion Ratio Lower Upper

83 100

85 68.4 52.0 78.0

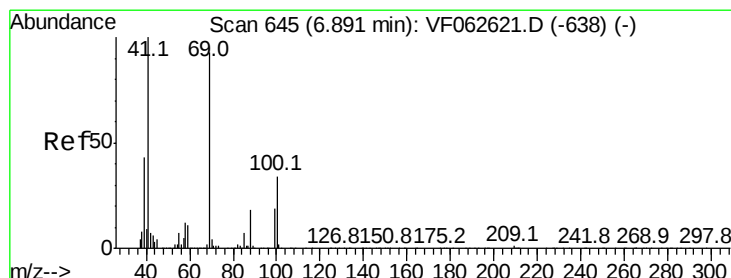
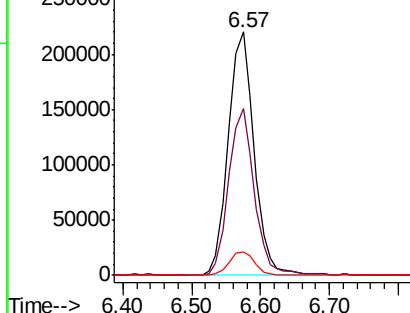
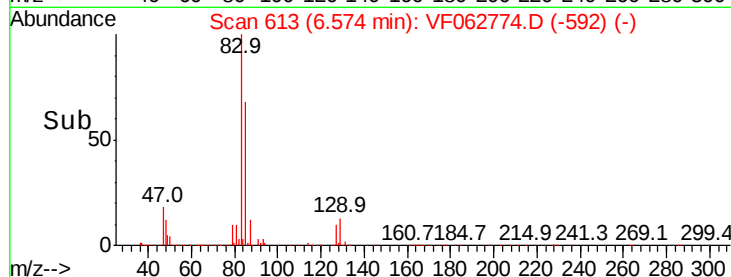
127 9.8 7.7 11.5



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): V



#48

Methyl methacrylate

Concen: 48.716 ug/l

RT: 6.90 min Scan# 646

Delta R.T. 0.01 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

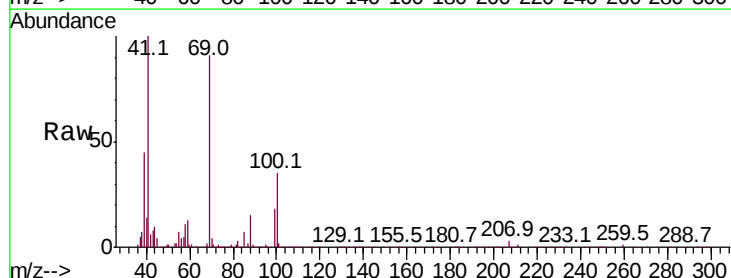
Tgt Ion: 41 Resp: 165915

Ion Ratio Lower Upper

41 100

69 91.2 74.2 111.2

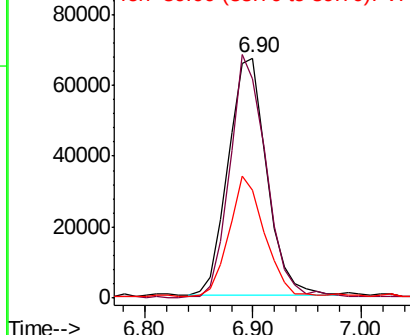
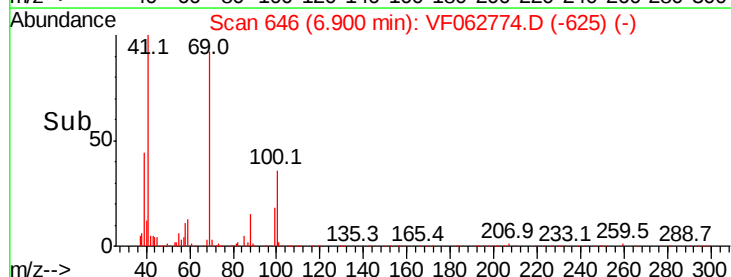
39 44.8 34.2 51.4

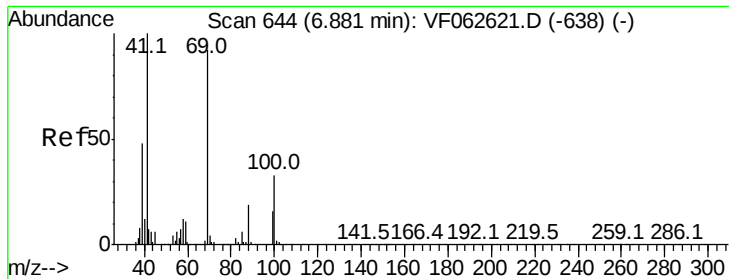


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 983.595 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.01 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

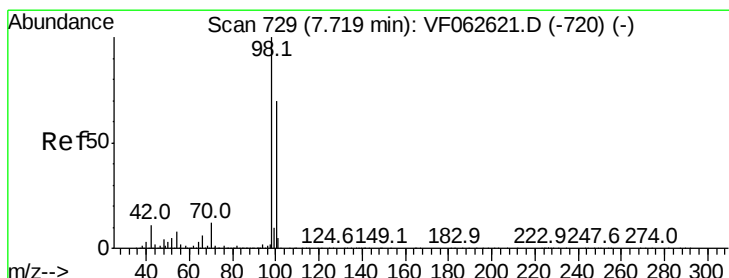
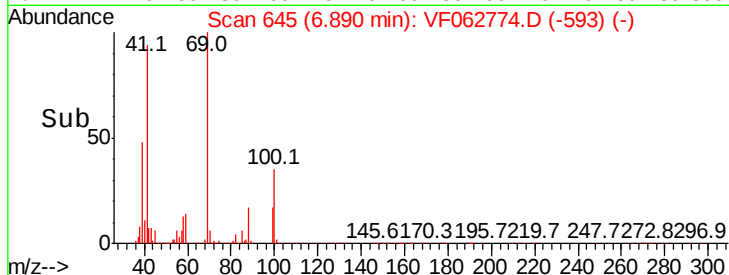
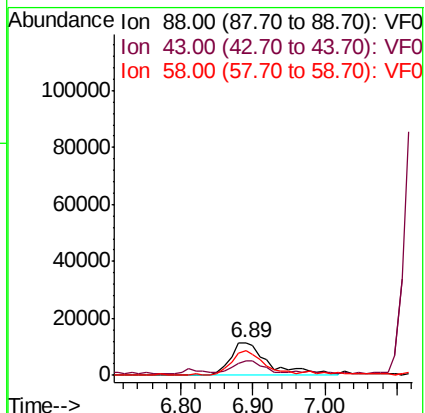
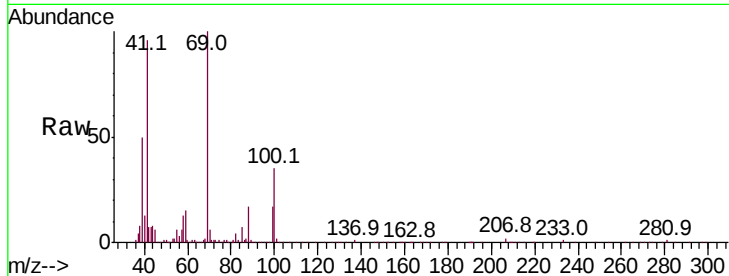
Tot Ion: 88 Resp: 42905

Ion Ratio Lower Upper

88 100

43 43.6 30.0 45.0

58 75.1 51.1 76.7



#50

Toluene-d8

Concen: 45.295 ug/l

RT: 7.73 min Scan# 730

Delta R.T. 0.01 min

Lab File: VF062774.D

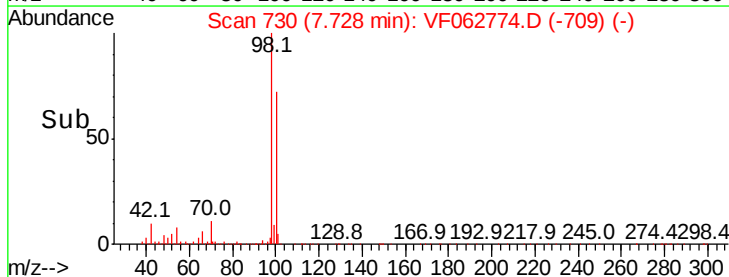
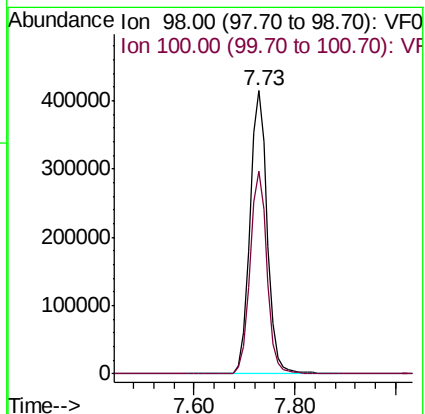
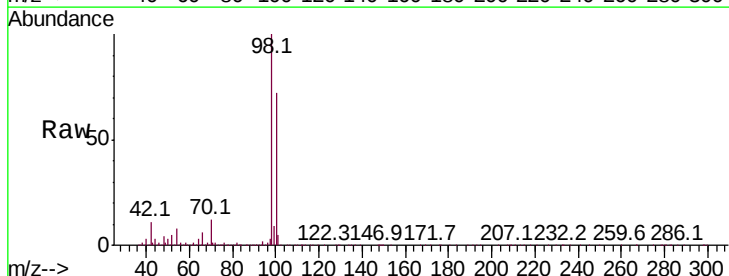
Acq: 29 May 2019 10:24

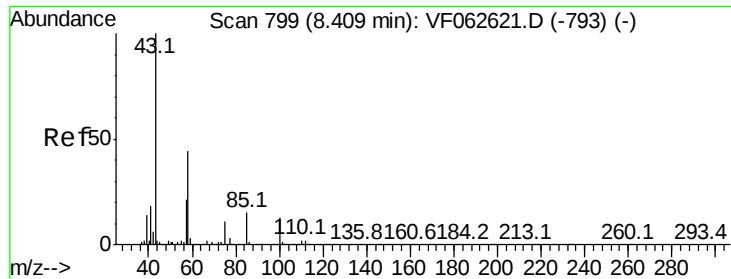
Tgt Ion: 98 Resp: 994815

Ion Ratio Lower Upper

98 100

100 71.5 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 257.884 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

Instrument :

MSVOA_F

ClientSampleId :

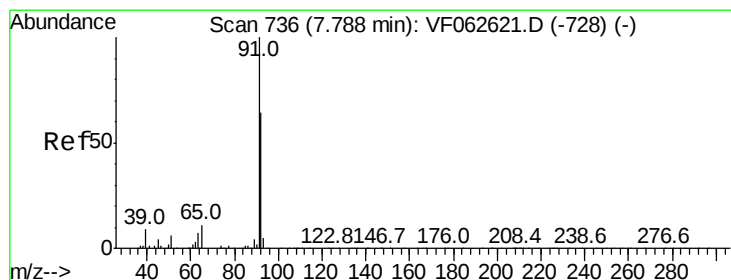
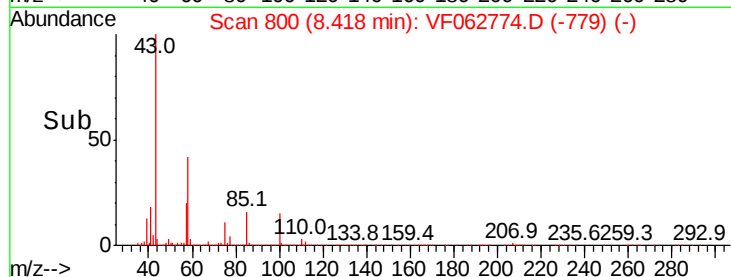
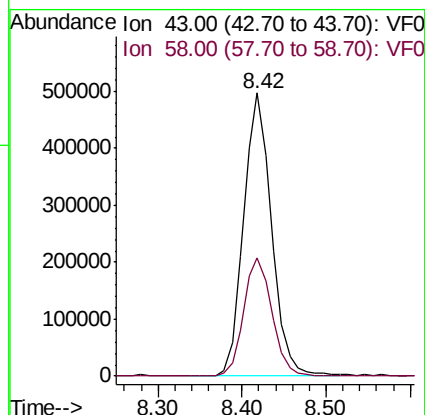
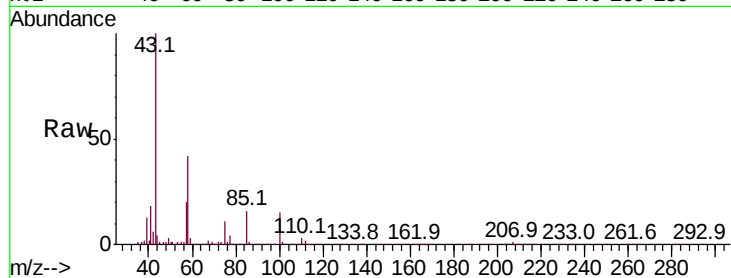
VSTDCCC050

Tot Ion: 43 Resp: 1148580

Ion Ratio Lower Upper

43 100

58 41.9 34.9 52.3



#52

Toluene

Concen: 59.527 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.01 min

Lab File: VF062774.D

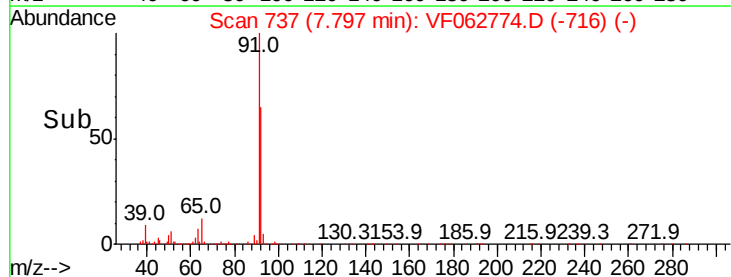
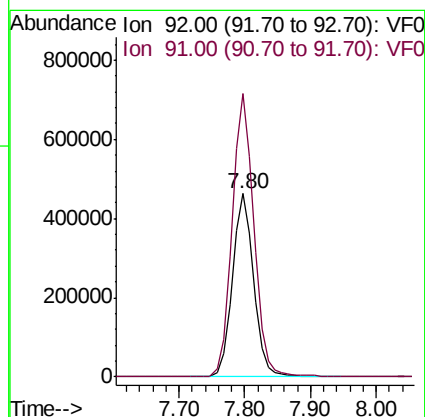
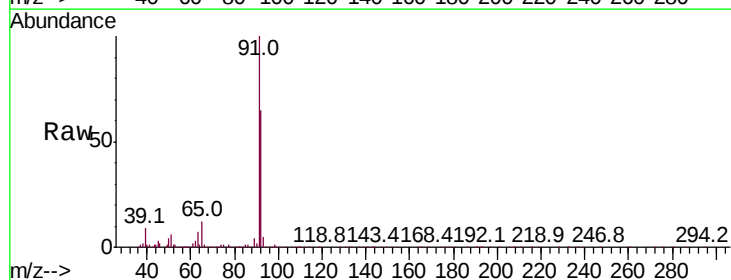
Acq: 29 May 2019 10:24

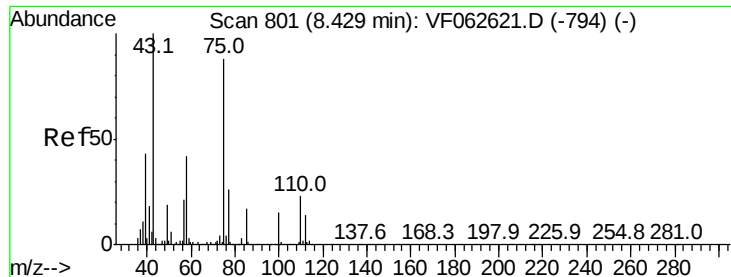
Tgt Ion: 92 Resp: 1047634

Ion Ratio Lower Upper

92 100

91 154.5 125.4 188.0





#53

t-1,3-Dichloropropene

Concen: 55.684 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.01 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

Instrument :

MSVOA_F

ClientSampleId :

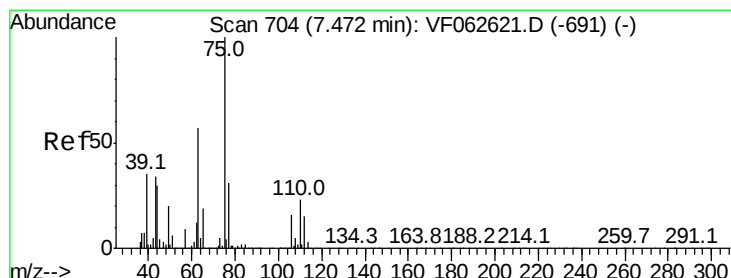
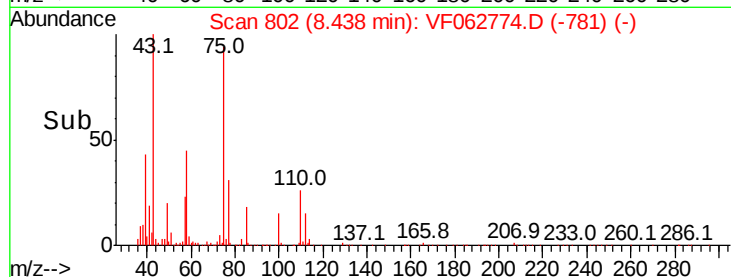
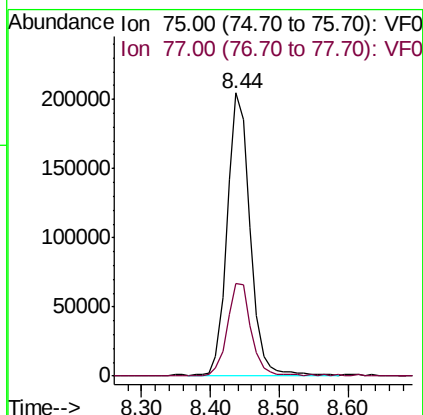
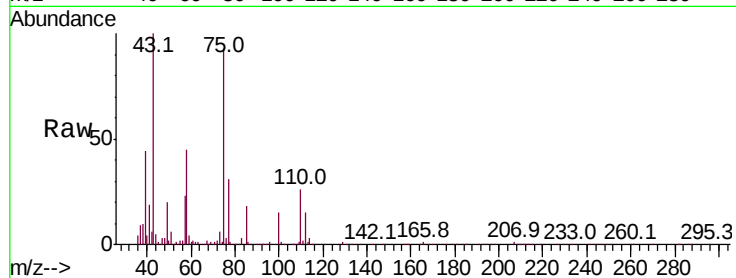
VSTDCCC050

Tot Ion: 75 Resp: 463014

Ion Ratio Lower Upper

75 100

77 32.9 24.2 36.4



#54

cis-1,3-Dichloropropene

Concen: 57.080 ug/l

RT: 7.47 min Scan# 704

Delta R.T. -0.00 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

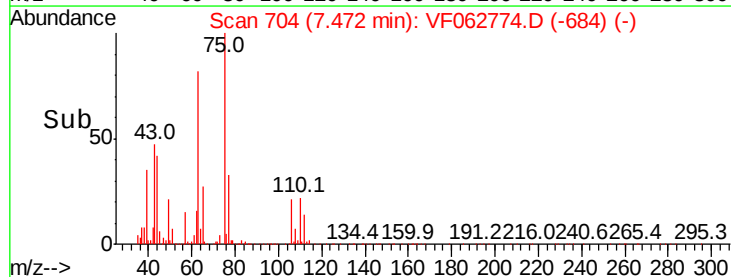
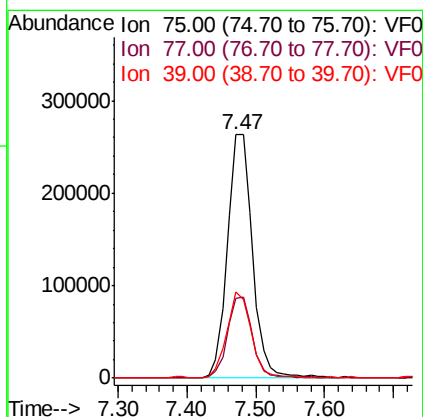
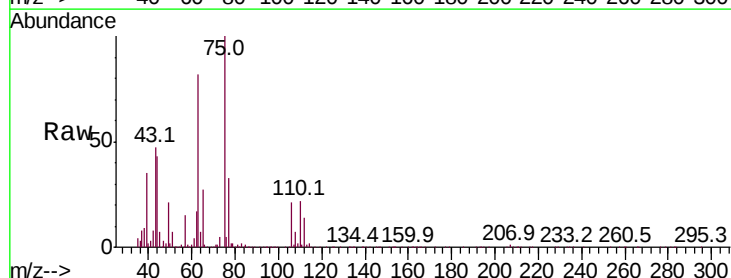
Tgt Ion: 75 Resp: 664388

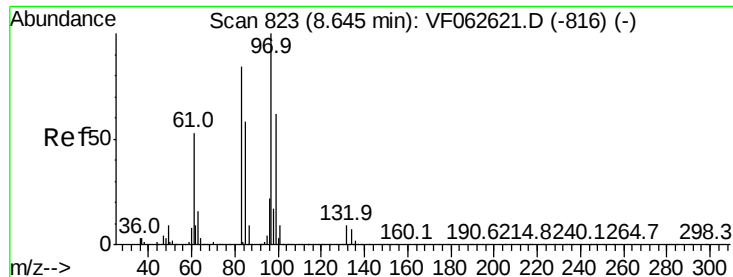
Ion Ratio Lower Upper

75 100

77 32.9 25.3 37.9

39 35.3 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 60.004 ug/l

RT: 8.65 min Scan# 824

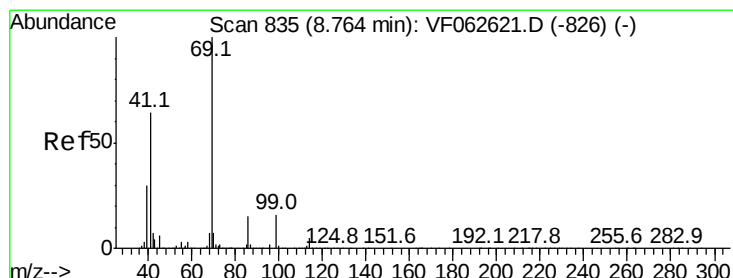
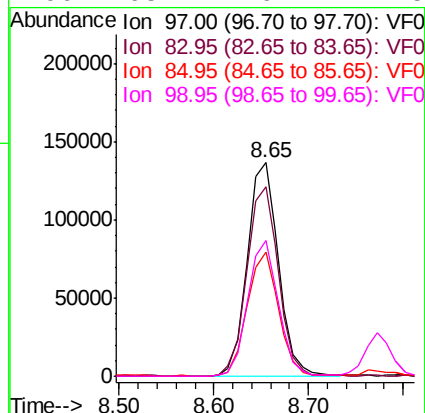
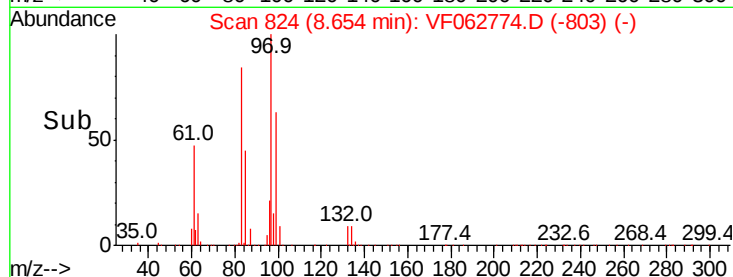
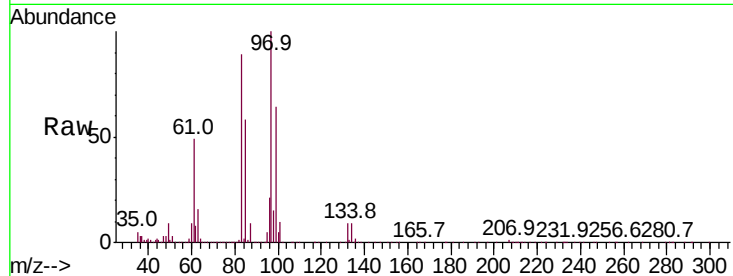
Delta R.T. 0.01 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:	97	Resp:	312675
Ion	Ratio	Lower	Upper
97	100		
83	88.6	67.3	100.9
85	58.4	46.6	69.8
99	63.7	49.7	74.5



#56

Ethyl methacrylate

Concen: 51.066 ug/l

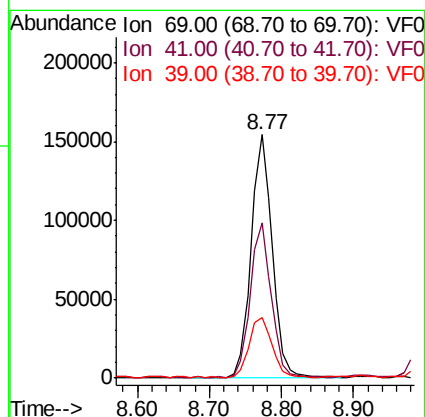
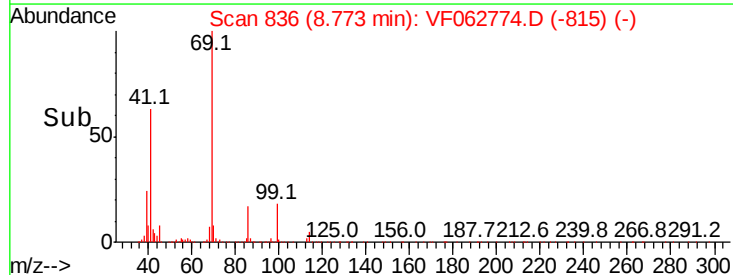
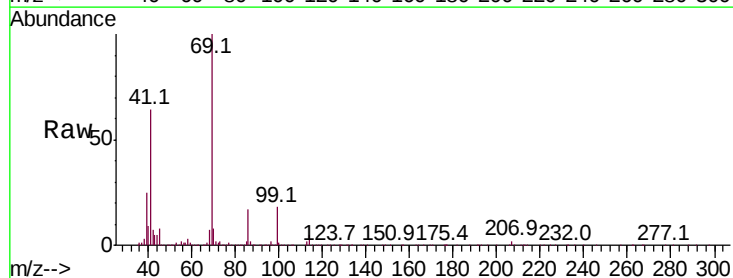
RT: 8.77 min Scan# 836

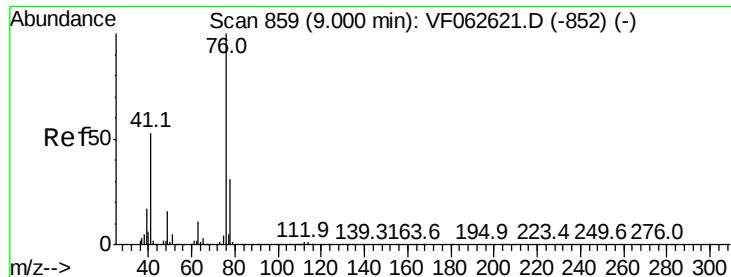
Delta R.T. 0.01 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

Tgt Ion:	69	Resp:	317022
Ion	Ratio	Lower	Upper
69	100		
41	63.6	51.4	77.2
39	25.0	23.6	35.4





#57

1,3-Dichloropropane

Concen: 57.207 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.01 min

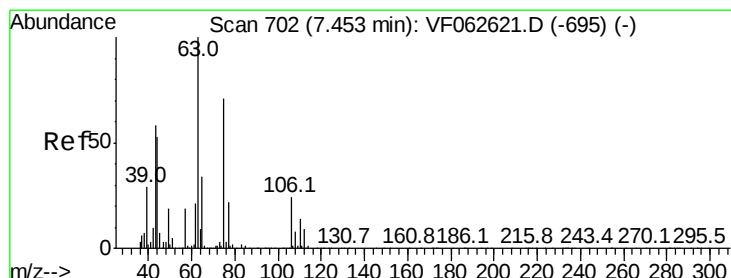
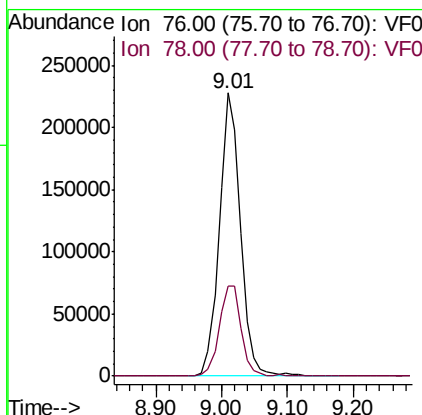
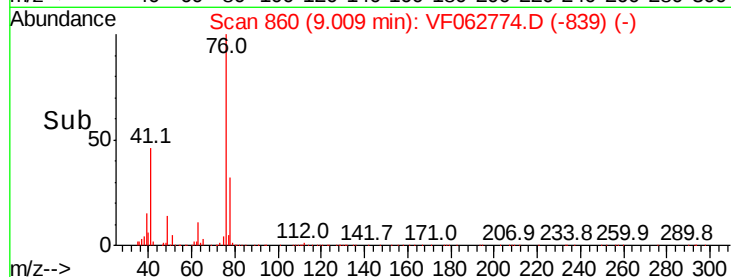
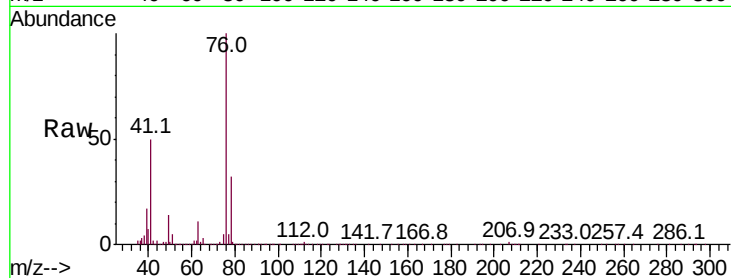
Lab File: VF062774.D

Acq: 29 May 2019 10:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 507757

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.4	38.0



#58

2-Chloroethyl Vinyl ether

Concen: 265.836 ug/l

RT: 7.46 min Scan# 703

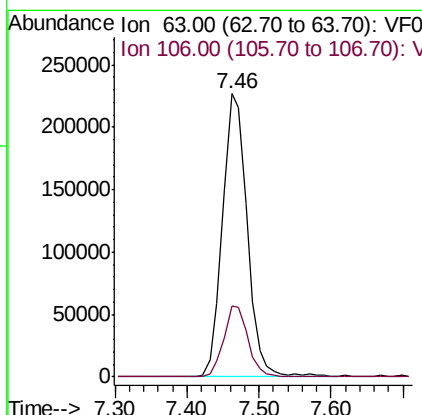
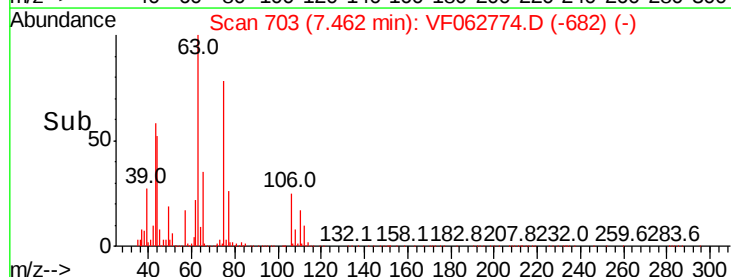
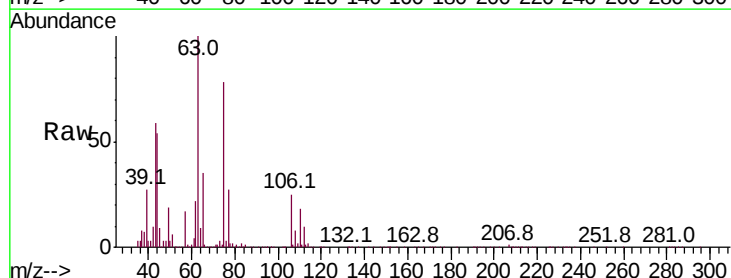
Delta R.T. 0.01 min

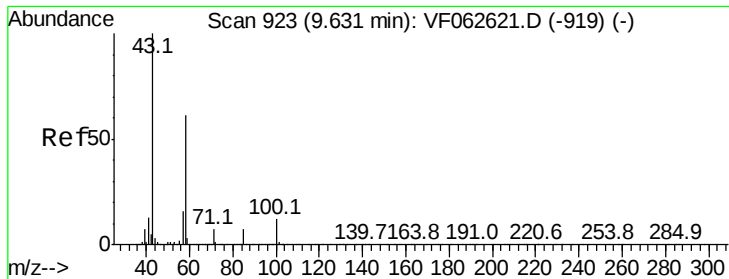
Lab File: VF062774.D

Acq: 29 May 2019 10:24

Tgt Ion: 63 Resp: 537189

Ion	Ratio	Lower	Upper
63	100		
106	25.3	19.1	28.7

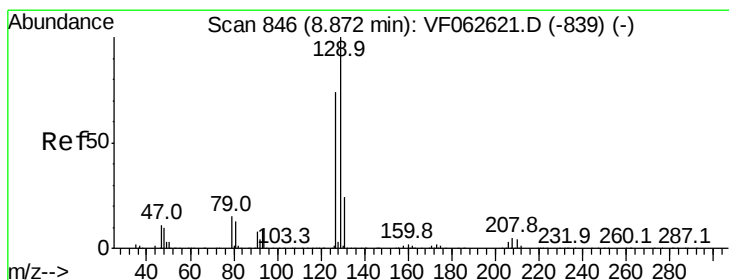
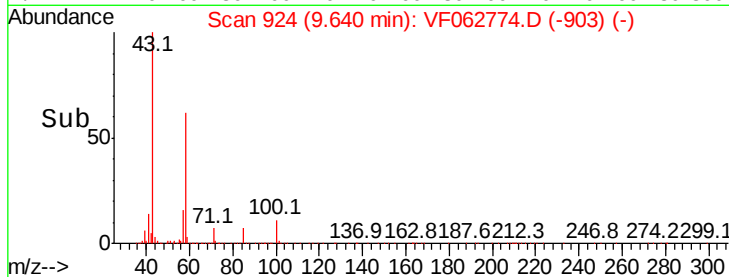
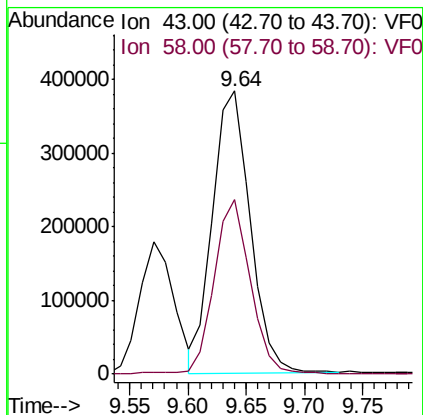
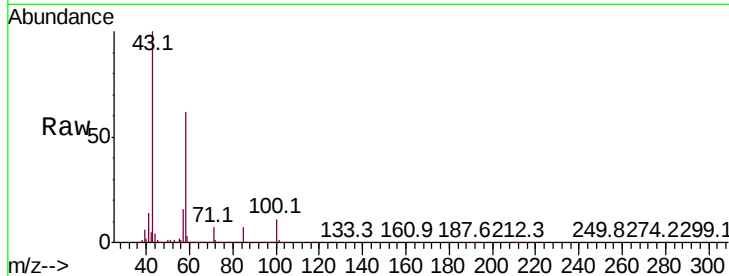




#59
2-Hexanone
Concen: 300.141 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF062774.D
Acq: 29 May 2019 10:24

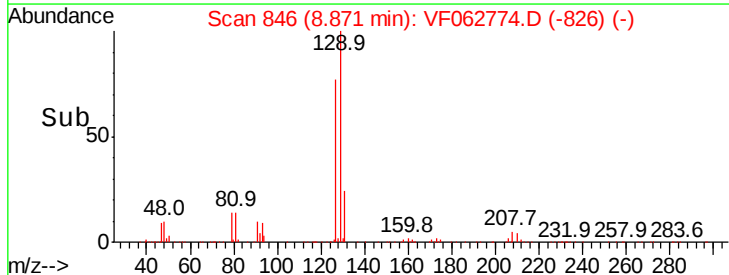
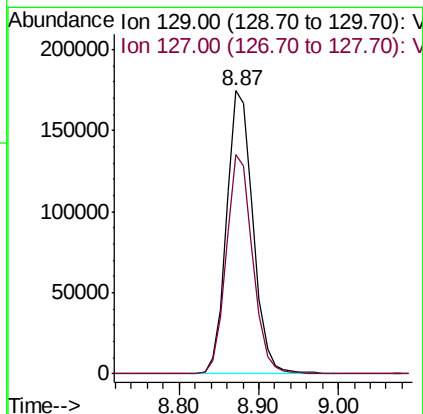
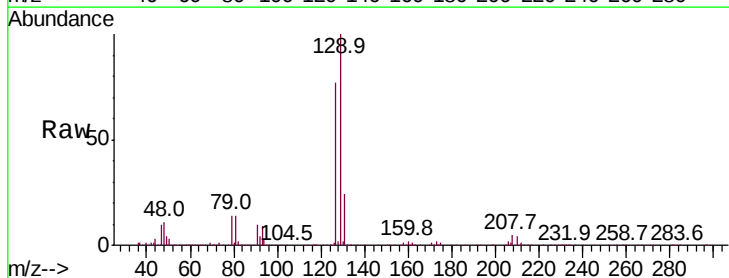
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

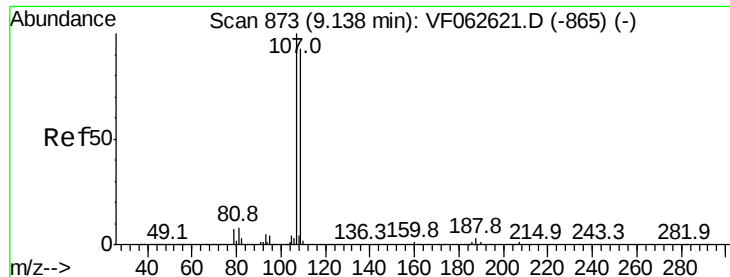
Tot Ion: 43 Resp: 859371
Ion Ratio Lower Upper
43 100
58 61.6 28.1 84.4



#60
Dibromochloromethane
Concen: 59.812 ug/l
RT: 8.87 min Scan# 846
Delta R.T. -0.00 min
Lab File: VF062774.D
Acq: 29 May 2019 10:24

Tgt Ion: 129 Resp: 406215
Ion Ratio Lower Upper
129 100
127 77.4 37.2 111.6





#61

1,2-Dibromoethane

Concen: 58.065 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.01 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

Instrument :

MSVOA_F

ClientSampleId :

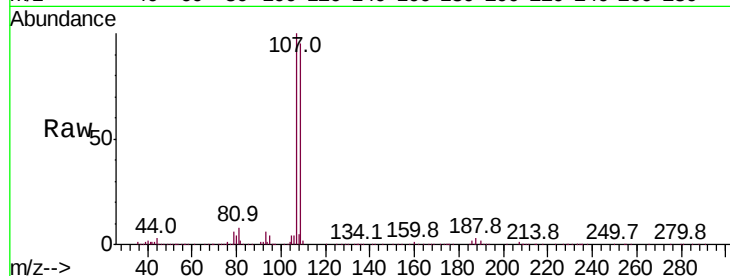
VSTDCCC050

Tot Ion:107 Resp: 321374

Ion Ratio Lower Upper

107 100

109 94.6 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.15

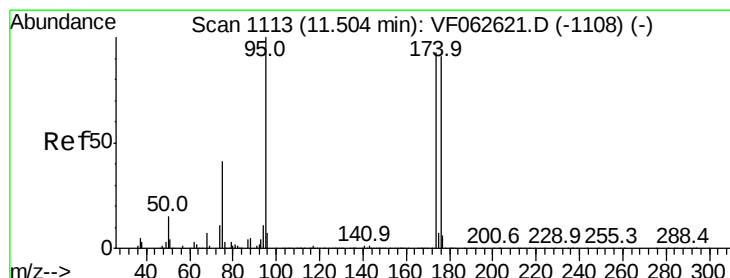
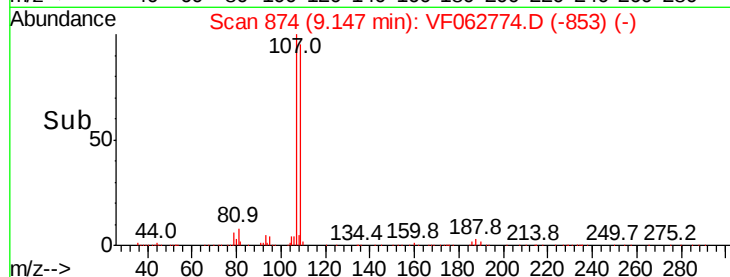
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.890 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

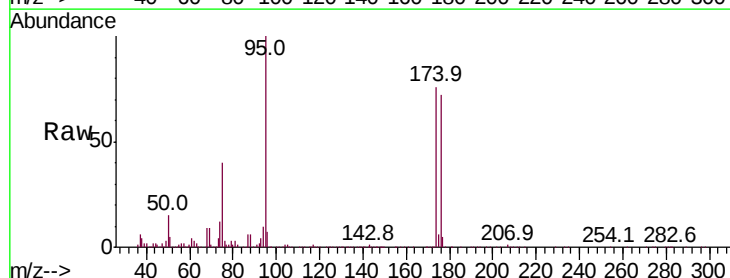
Tgt Ion: 95 Resp: 398915

Ion Ratio Lower Upper

95 100

174 75.6 0.0 185.6

176 72.0 0.0 182.4



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

300000

250000

200000

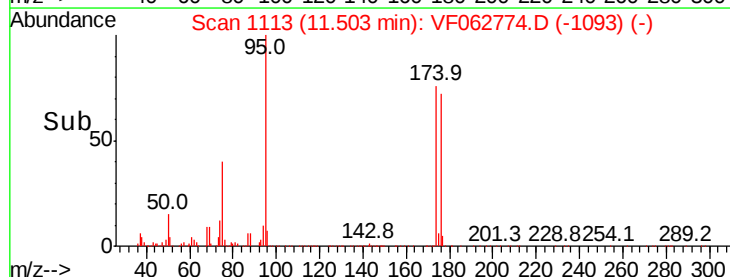
150000

100000

50000

0

Time-->

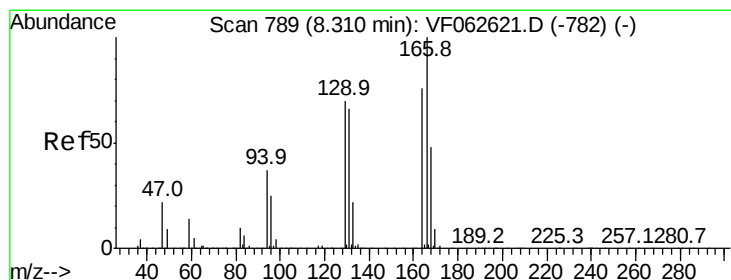
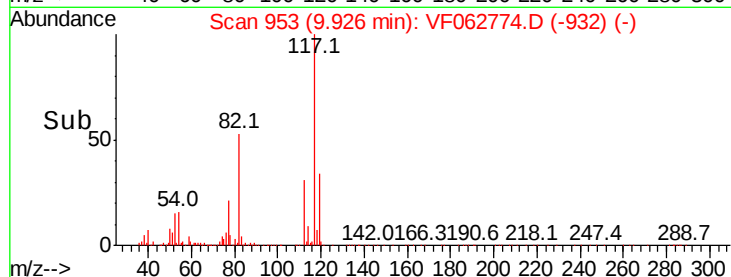
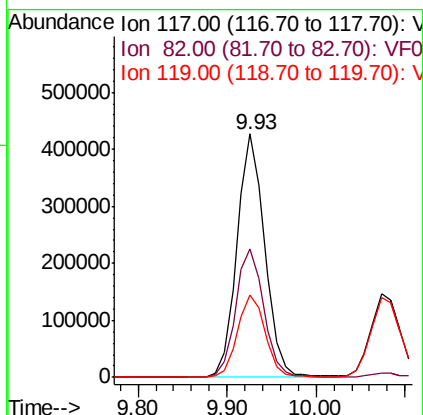
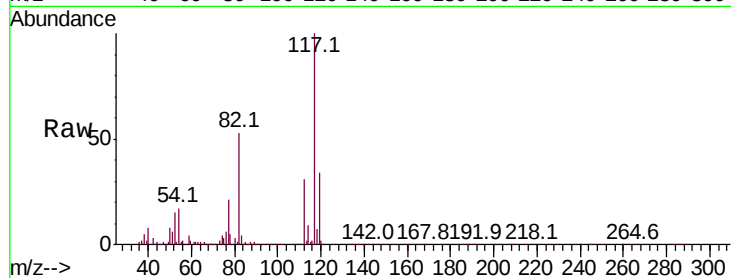




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF062774.D
Acq: 29 May 2019 10:24

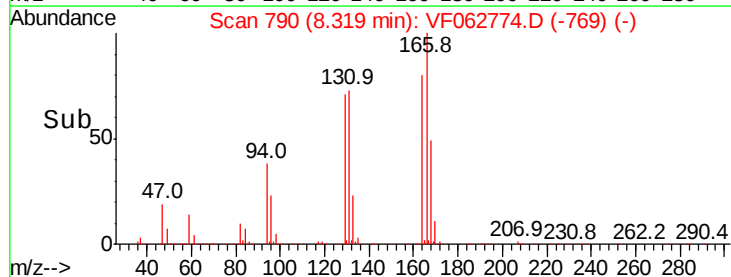
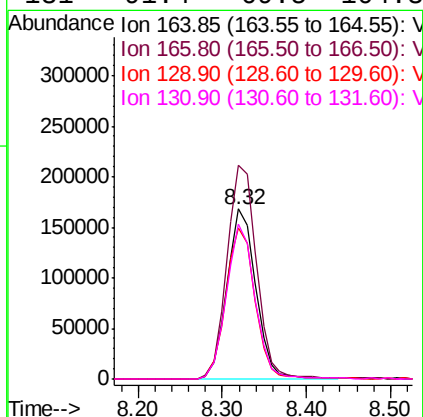
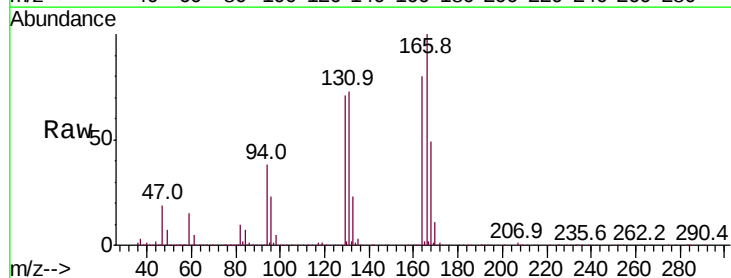
Instrument :
MSVOA_F
ClientSampled :
VSTDCCC050

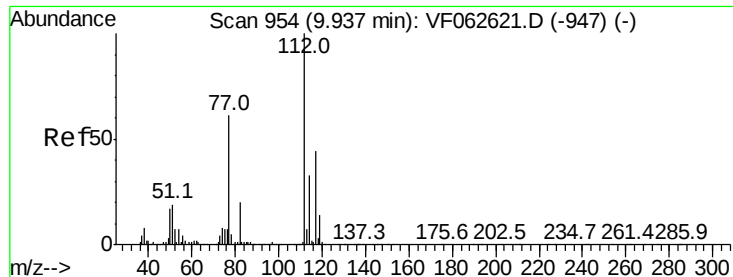
Tot Ion:117 Resp: 925680
Ion Ratio Lower Upper
117 100
82 53.0 43.3 64.9
119 33.9 27.4 41.0



#64
Tetrachloroethene
Concen: 55.168 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.01 min
Lab File: VF062774.D
Acq: 29 May 2019 10:24

Tgt Ion:164 Resp: 404574
Ion Ratio Lower Upper
164 100
166 125.7 105.5 158.3
129 88.8 73.8 110.6
131 91.4 69.5 104.3

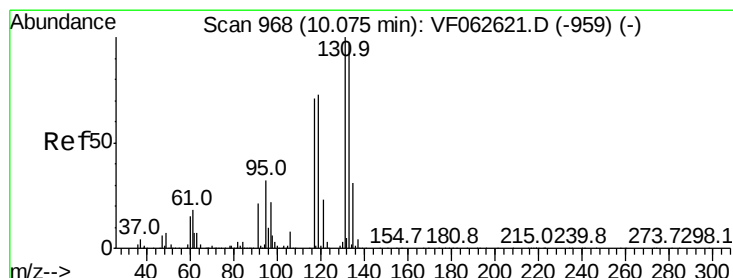
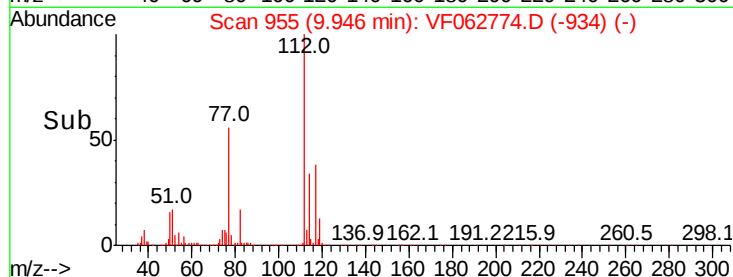
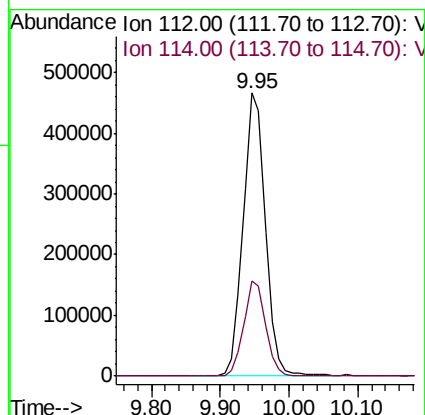
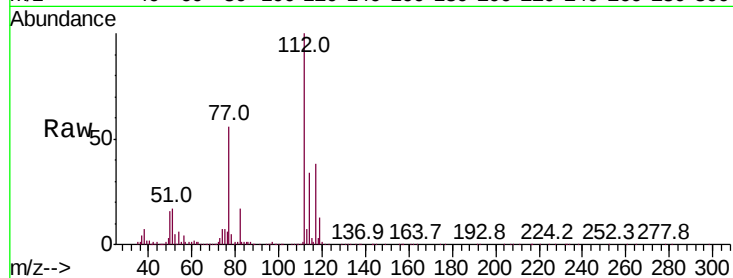




#65
Chlorobenzene
Concen: 57.466 ug/l
RT: 9.95 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF062774.D
Acq: 29 May 2019 10:24

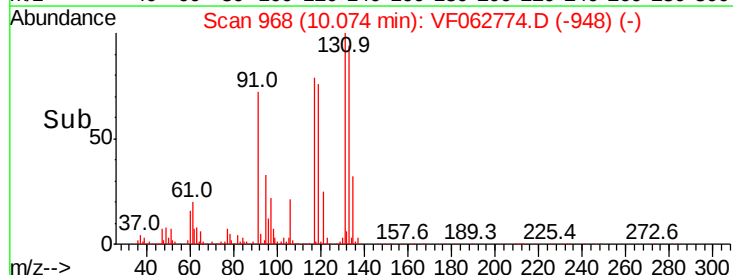
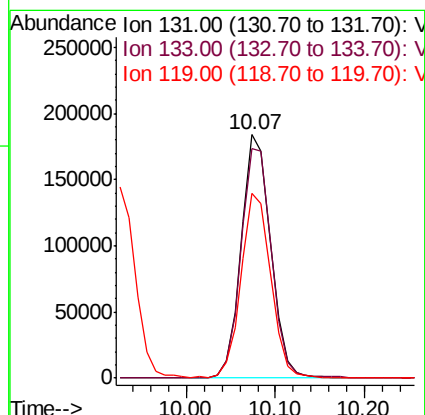
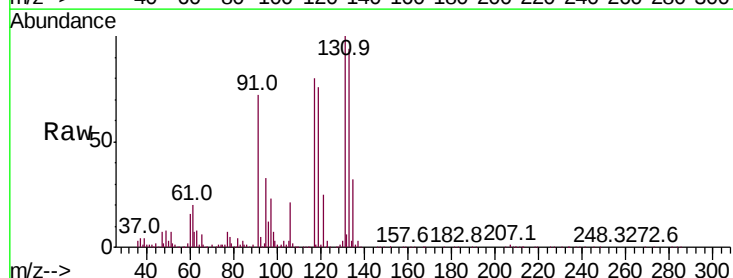
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

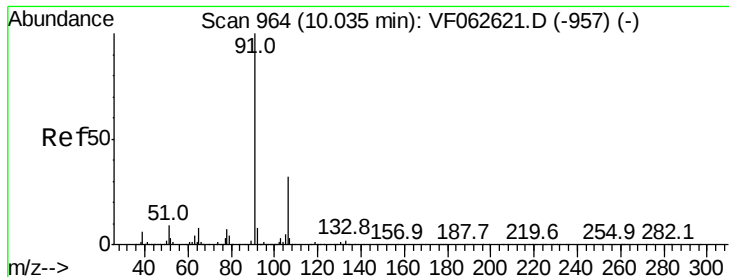
Tot Ion:112 Resp: 1044799
Ion Ratio Lower Upper
112 100
114 33.7 26.8 40.2



#66
1,1,1,2-Tetrachloroethane
Concen: 57.829 ug/l
RT: 10.07 min Scan# 968
Delta R.T. -0.00 min
Lab File: VF062774.D
Acq: 29 May 2019 10:24

Tgt Ion:131 Resp: 422082
Ion Ratio Lower Upper
131 100
133 94.1 48.5 145.5
119 75.9 36.8 110.4





#67

Ethyl Benzene

Concen: 56.196 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.01 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

Instrument :

MSVOA_F

ClientSampleId :

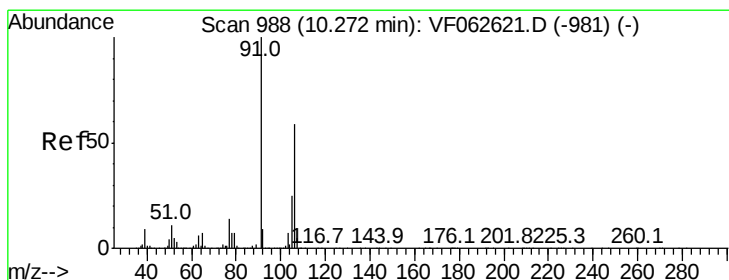
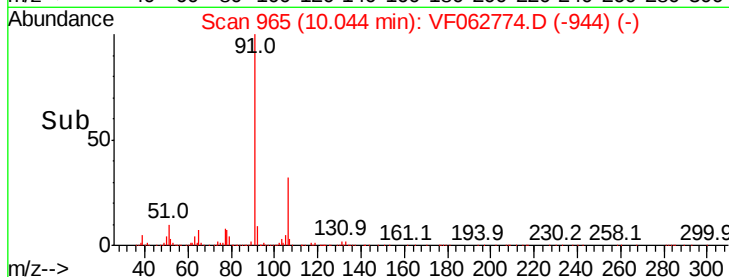
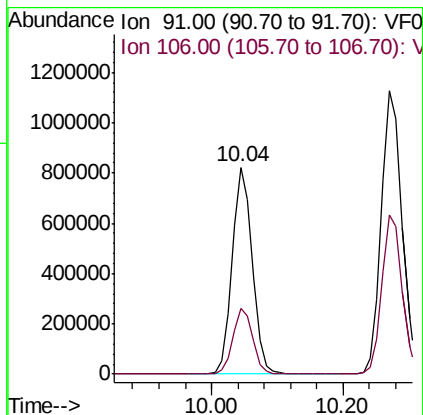
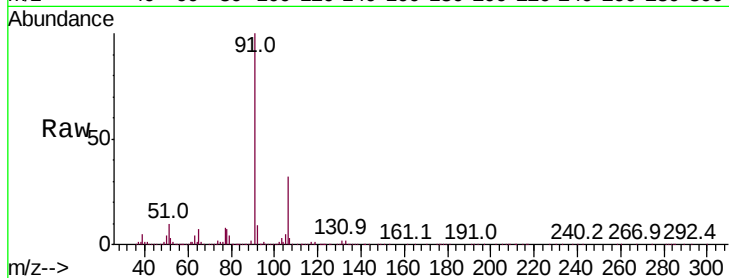
VSTDCCC050

Tot Ion: 91 Resp: 1774946

Ion Ratio Lower Upper

91 100

106 31.6 25.8 38.8



#68

m/p-Xylenes

Concen: 114.036 ug/l

RT: 10.27 min Scan# 988

Delta R.T. -0.00 min

Lab File: VF062774.D

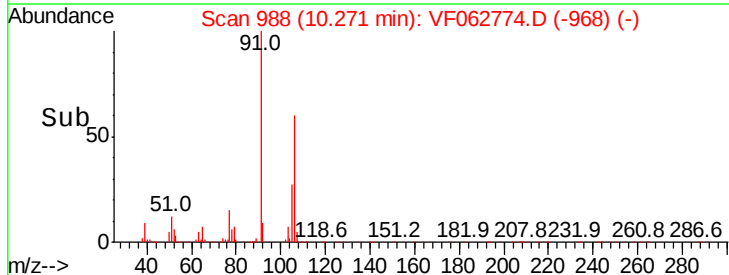
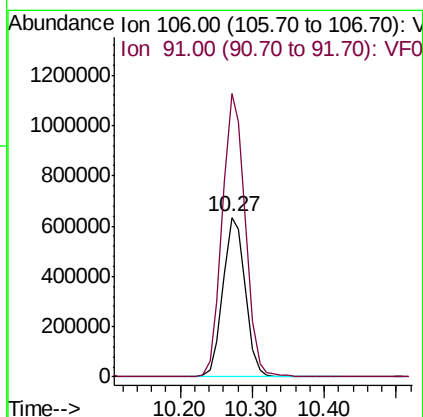
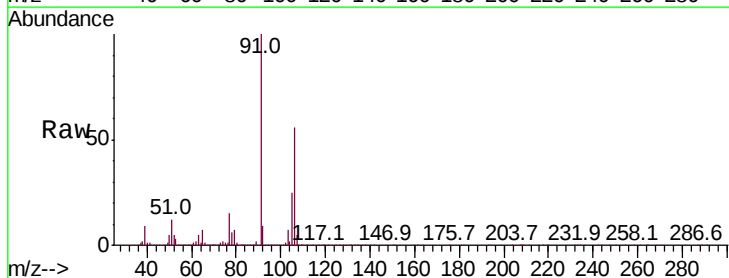
Acq: 29 May 2019 10:24

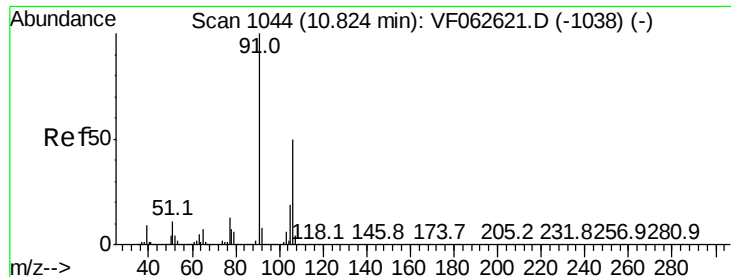
Tgt Ion: 106 Resp: 1353720

Ion Ratio Lower Upper

106 100

91 177.3 136.9 205.3

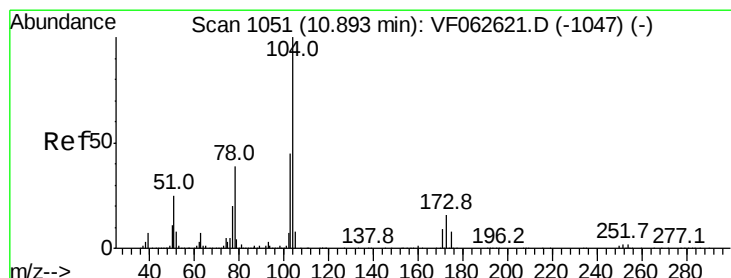
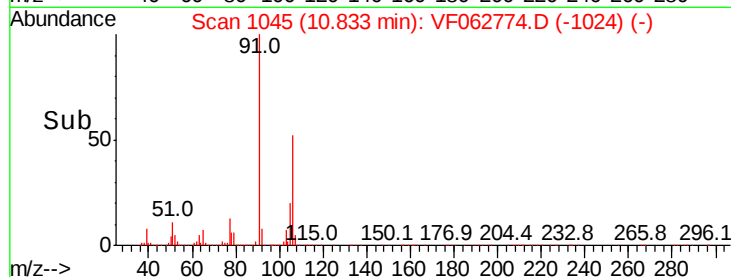
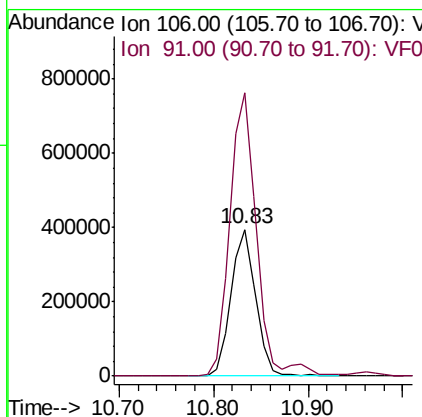
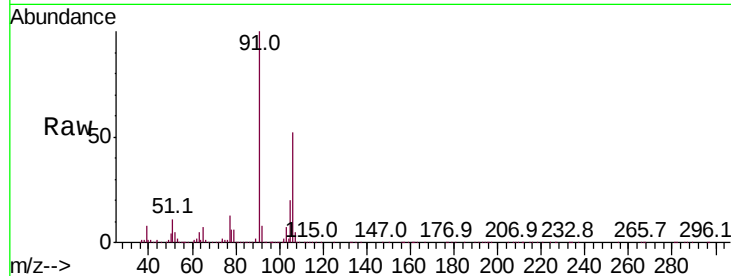




#69
o-Xylene
Concen: 58.384 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF062774.D
Acq: 29 May 2019 10:24

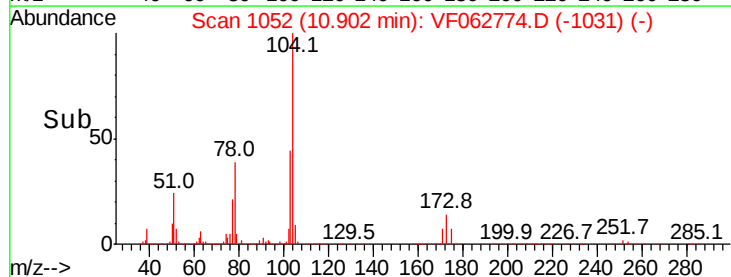
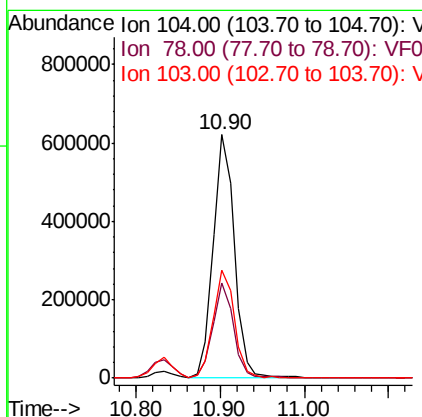
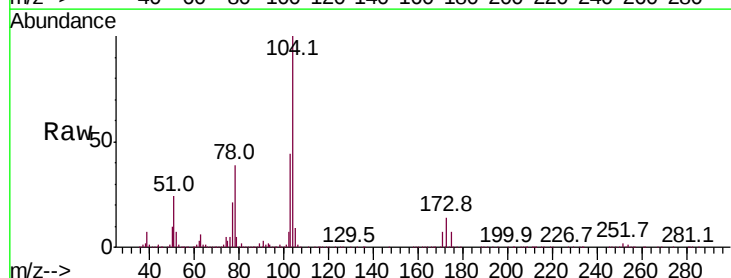
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

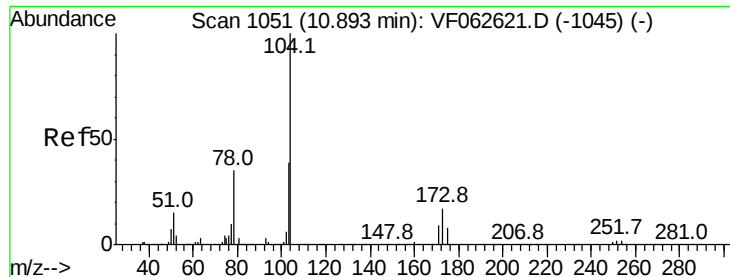
Tot Ion:106 Resp: 713870
Ion Ratio Lower Upper
106 100
91 193.0 100.2 300.5



#70
Styrene
Concen: 58.288 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF062774.D
Acq: 29 May 2019 10:24

Tgt Ion:104 Resp: 1083262
Ion Ratio Lower Upper
104 100
78 39.3 31.9 47.9
103 44.1 36.1 54.1





#71

Bromoform

Concen: 60.595 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

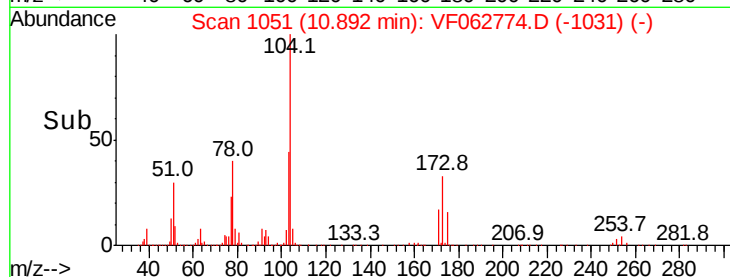
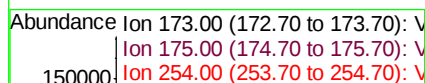
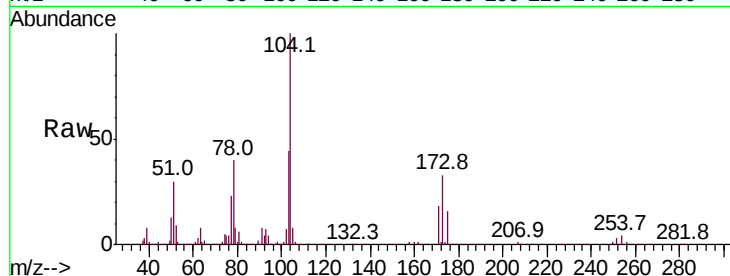
Tot Ion:173 Resp: 221505

Ion Ratio Lower Upper

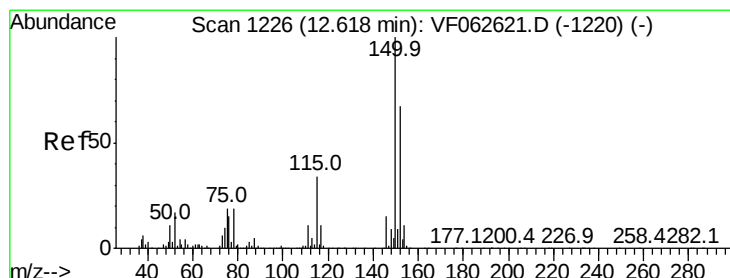
173 100

175 49.3 25.3 75.9

254 0.0 0.2 0.2#



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. 0.01 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

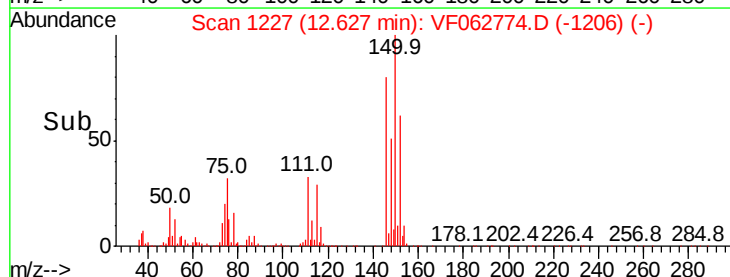
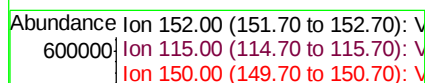
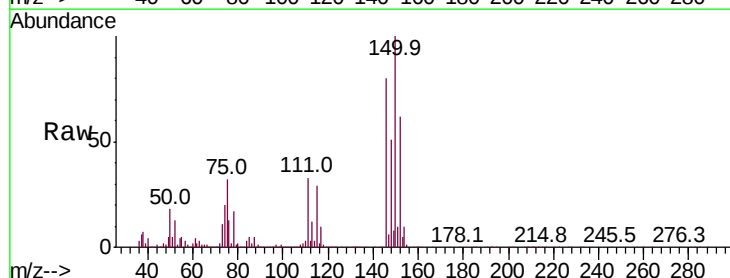
Tgt Ion:152 Resp: 455656

Ion Ratio Lower Upper

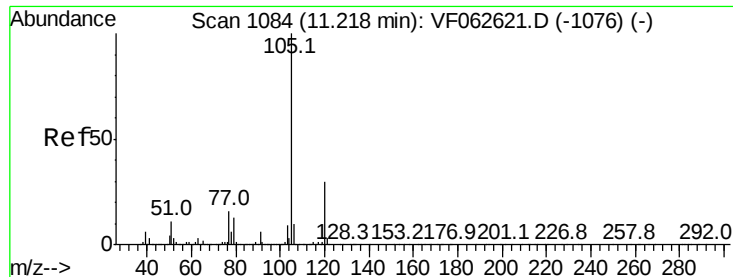
152 100

115 47.6 25.2 75.6

150 161.5 0.0 306.2



Time-->



#73

Isopropylbenzene

Concen: 58.527 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

Instrument :

MSVOA_F

ClientSampleId :

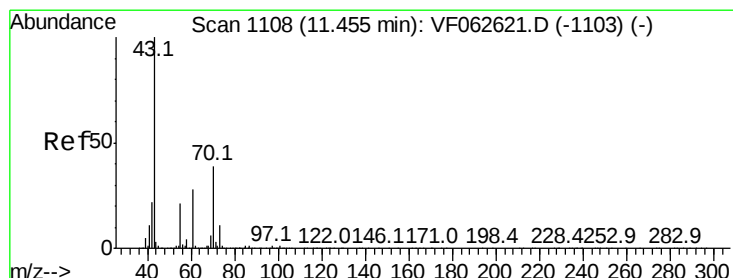
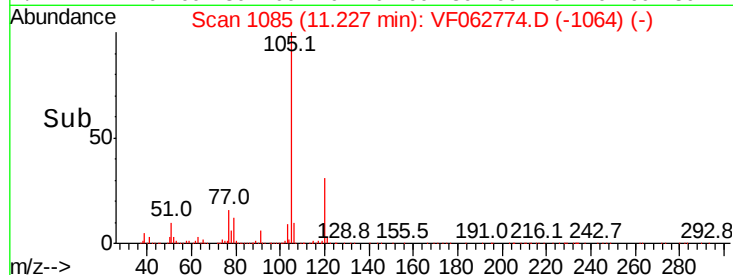
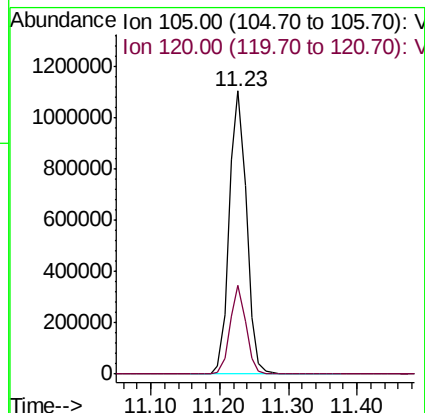
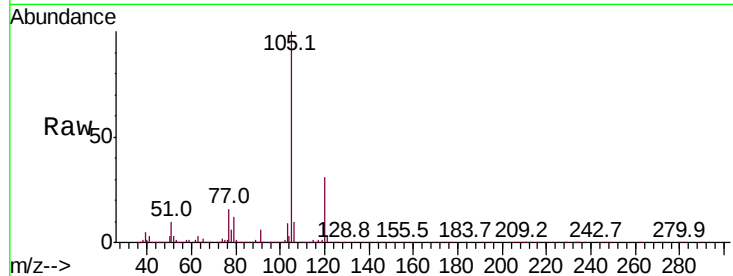
VSTDCCC050

Tot Ion:105 Resp: 1911345

Ion Ratio Lower Upper

105 100

120 31.5 14.8 44.4



#74

N-ethyl acetate

Concen: 59.417 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

Tgt Ion: 43 Resp: 485269

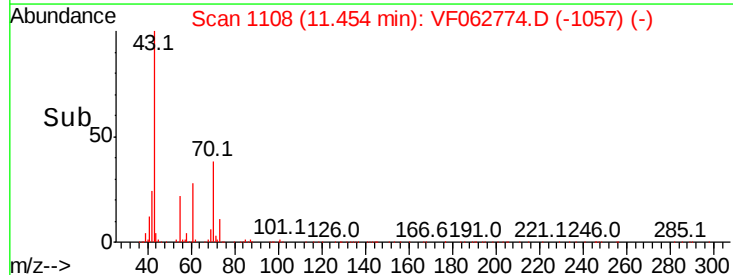
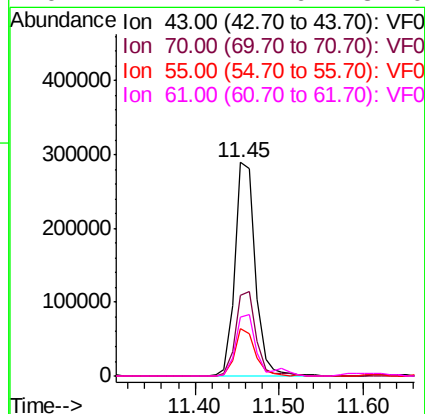
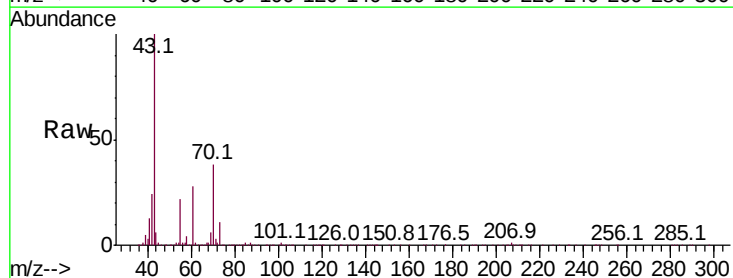
Ion Ratio Lower Upper

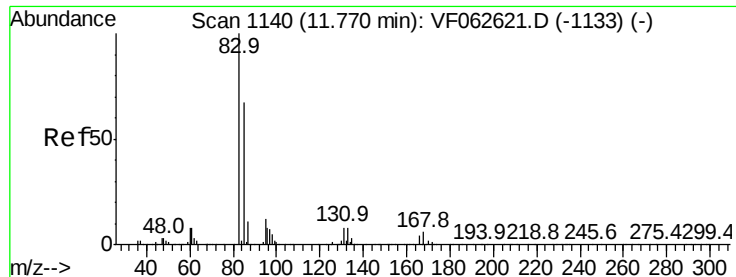
43 100

70 38.0 30.9 46.3

55 22.1 17.0 25.4

61 27.7 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 60.584 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

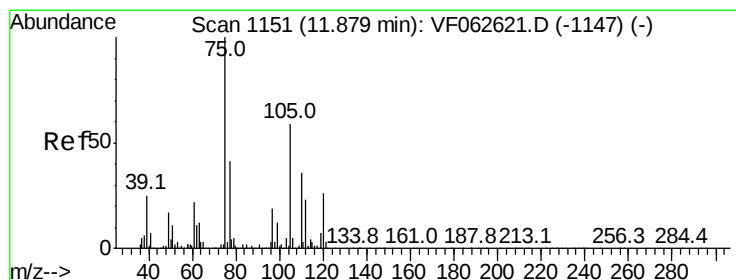
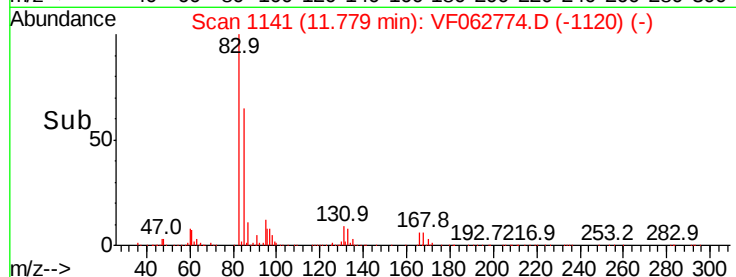
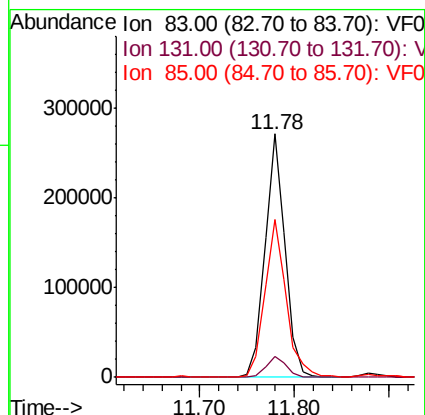
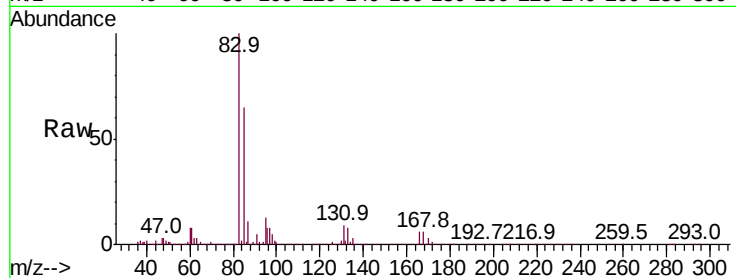
Tot Ion: 83 Resp: 404337

Ion Ratio Lower Upper

83 100

131 8.8 4.0 12.0

85 65.1 33.5 100.5



#76

1,2,3-Trichloropropane

Concen: 57.036 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF062774.D

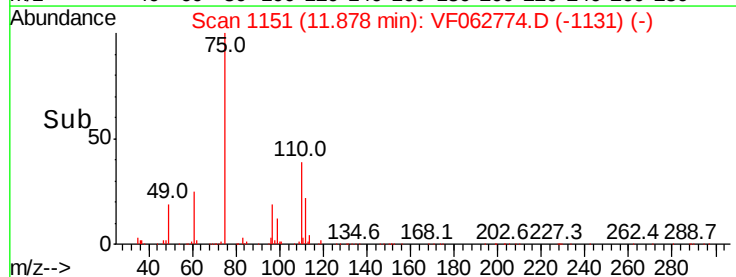
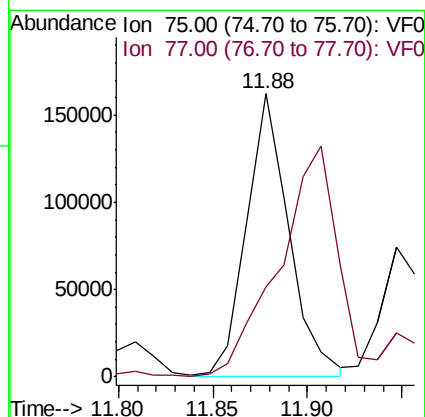
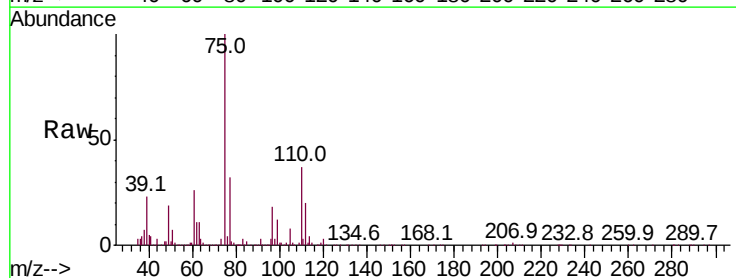
Acq: 29 May 2019 10:24

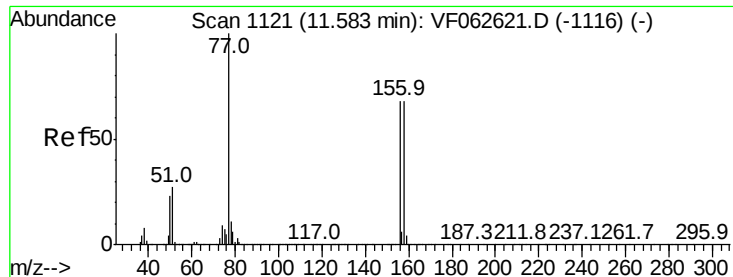
Tgt Ion: 75 Resp: 250116

Ion Ratio Lower Upper

75 100

77 32.0 20.6 61.8





#77

Bromobenzene

Concen: 58.369 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

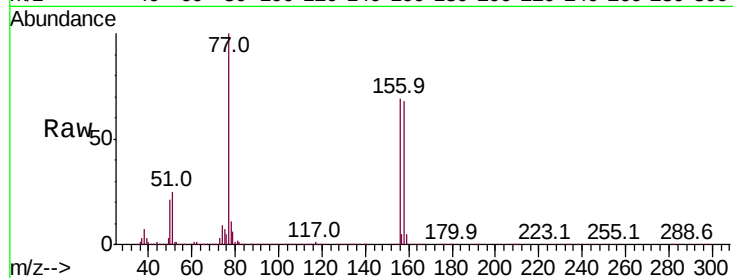
Tot Ion:156 Resp: 473820

Ion Ratio Lower Upper

156 100

77 145.4 73.6 220.8

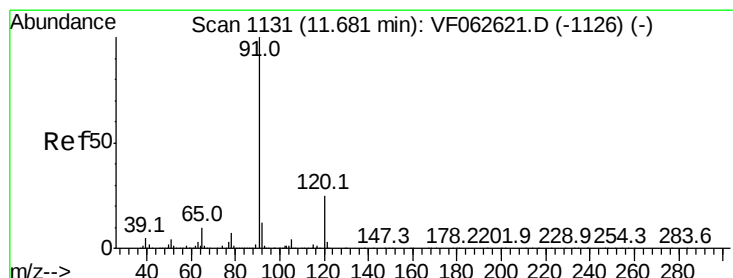
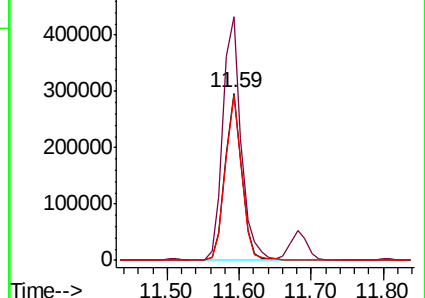
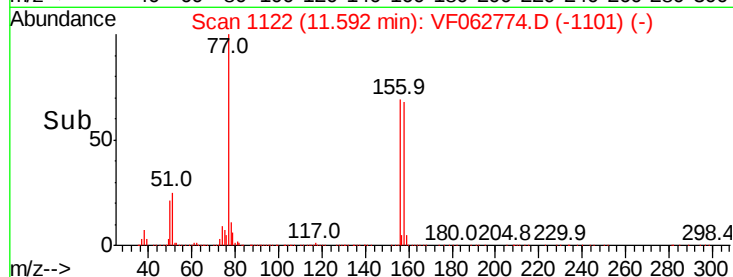
158 98.9 49.6 148.8



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: 57.594 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF062774.D

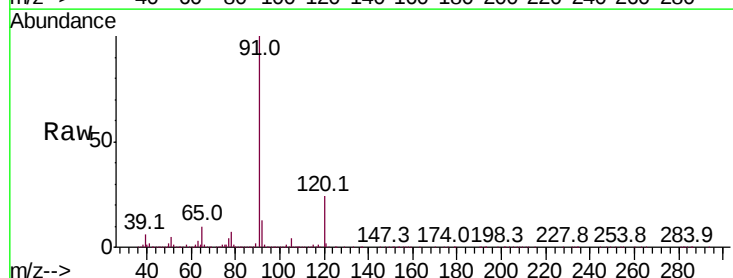
Acq: 29 May 2019 10:24

Tgt Ion: 91 Resp: 2225981

Ion Ratio Lower Upper

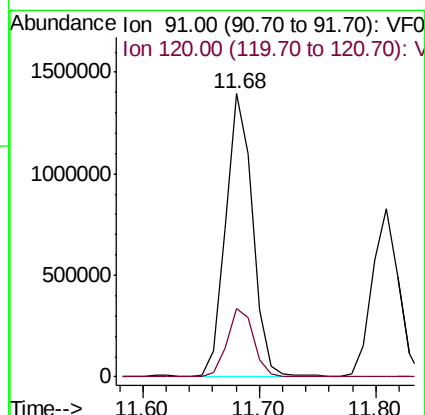
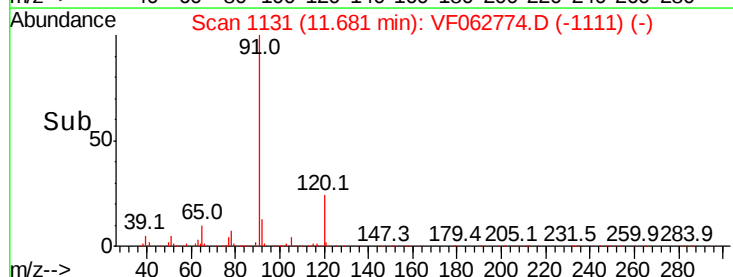
91 100

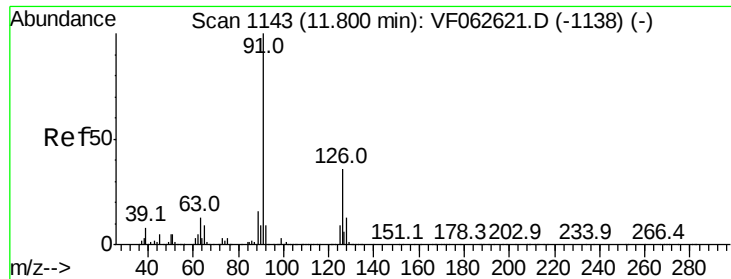
120 24.0 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

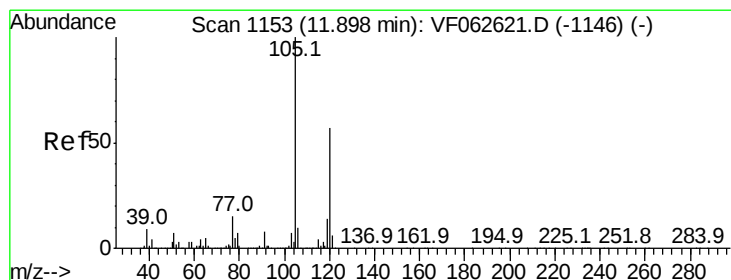
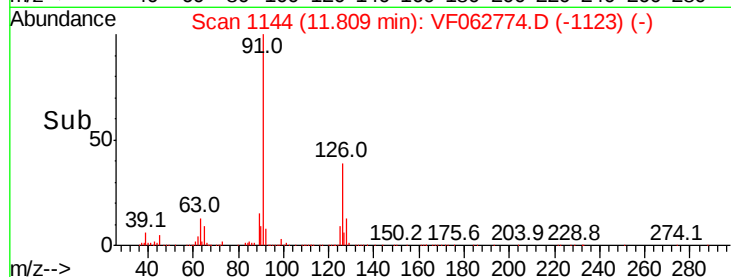
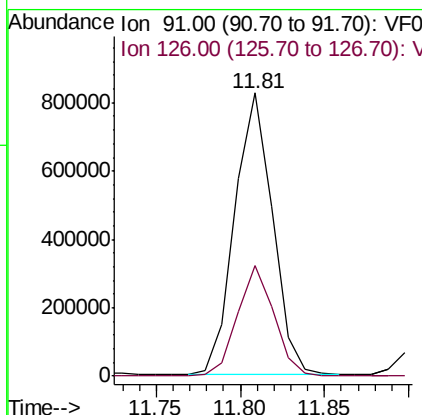
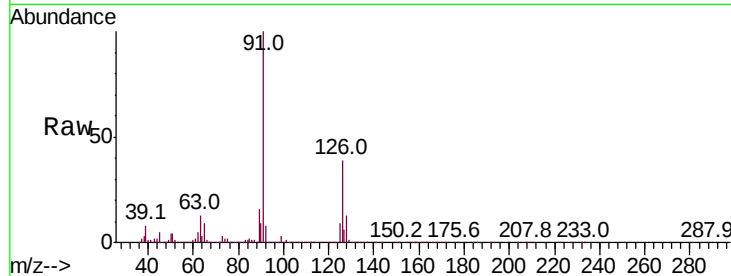




#79
 2-Chlorotoluene
 Concen: 59.231 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VF062774.D
 Acq: 29 May 2019 10:24

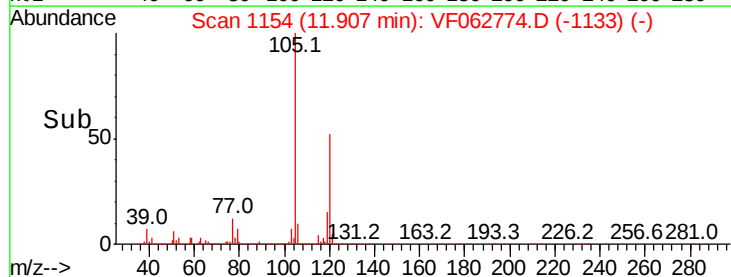
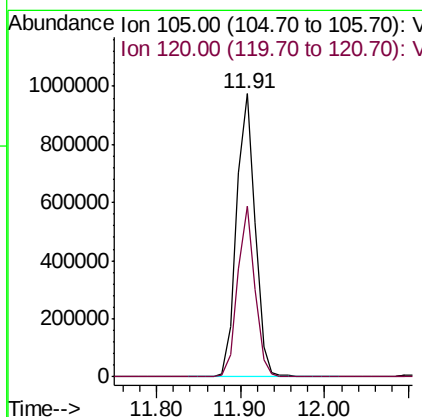
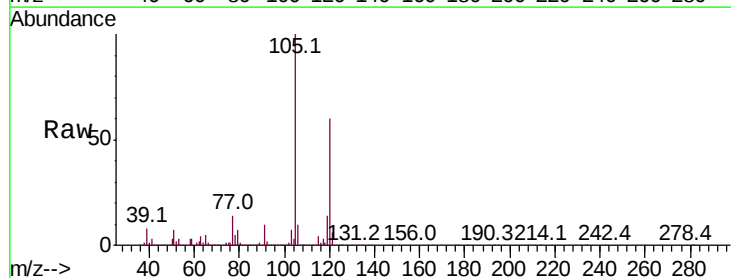
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

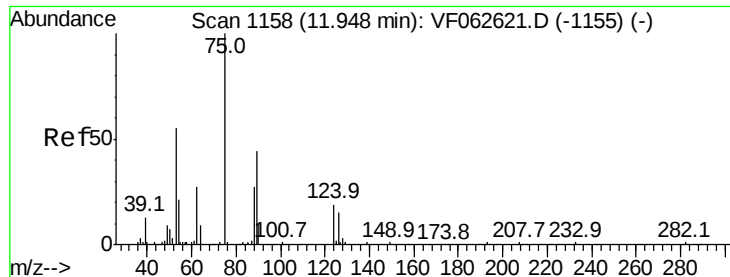
Tot Ion: 91 Resp: 1290128
 Ion Ratio Lower Upper
 91 100
 126 38.9 18.1 54.4



#80
 1,3,5-Trimethylbenzene
 Concen: 57.156 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. 0.01 min
 Lab File: VF062774.D
 Acq: 29 May 2019 10:24

Tgt Ion:105 Resp: 1496705
 Ion Ratio Lower Upper
 105 100
 120 60.2 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 76.257 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

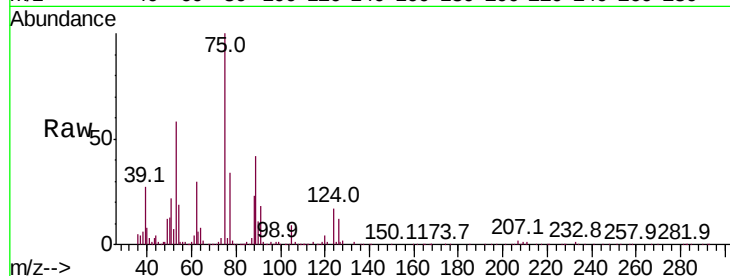
Tot Ion: 75 Resp: 148646

Ion Ratio Lower Upper

75 100

53 57.8 46.9 70.3

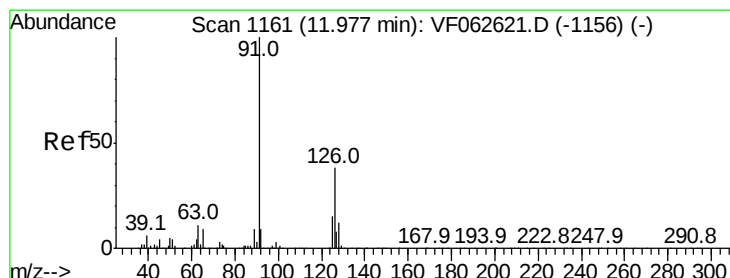
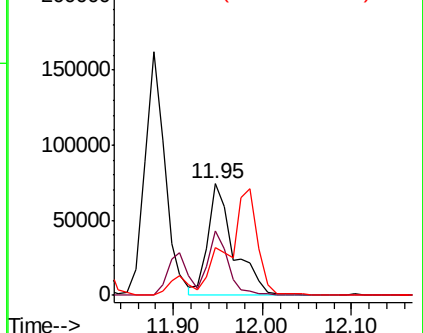
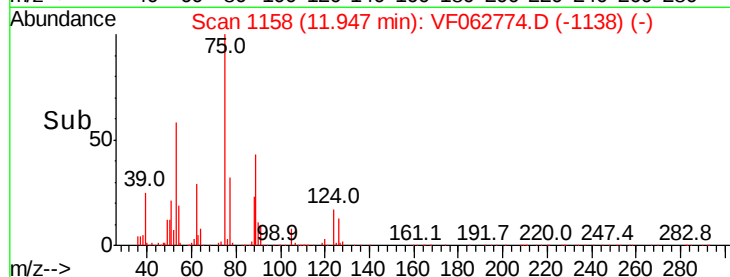
89 42.4 36.4 54.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 56.790 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VF062774.D

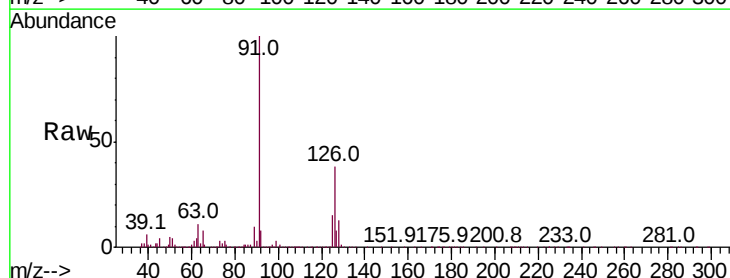
Acq: 29 May 2019 10:24

Tgt Ion: 91 Resp: 1219810

Ion Ratio Lower Upper

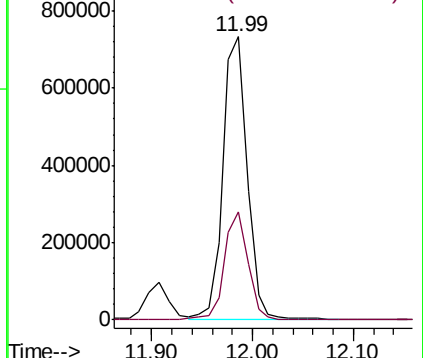
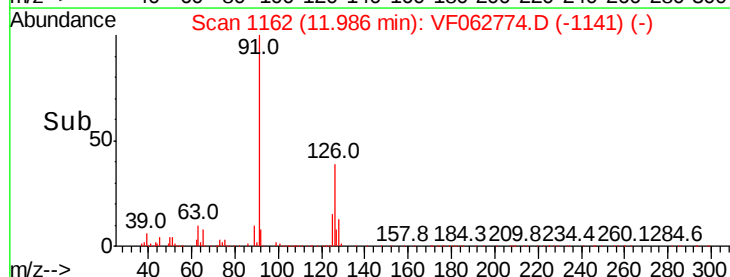
91 100

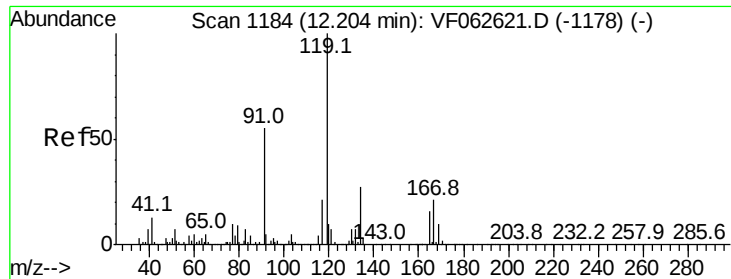
126 38.3 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

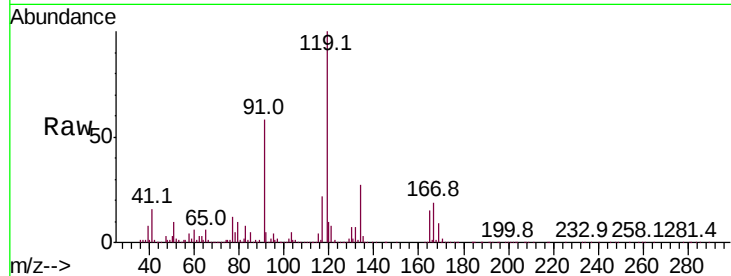




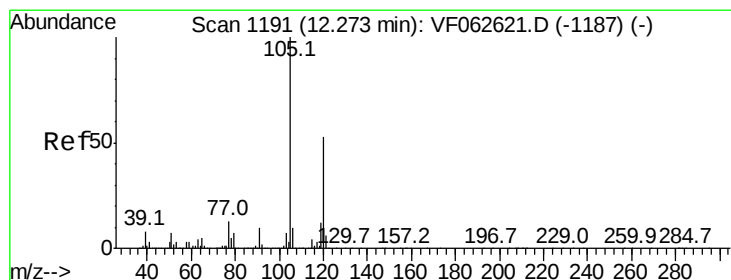
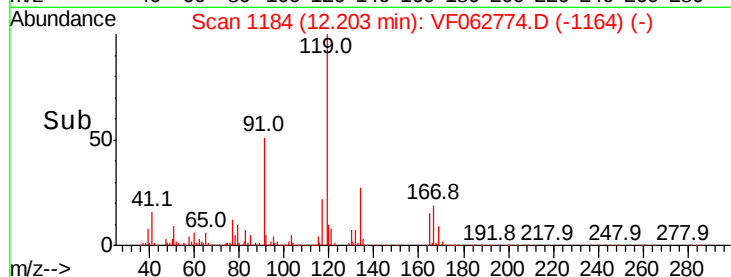
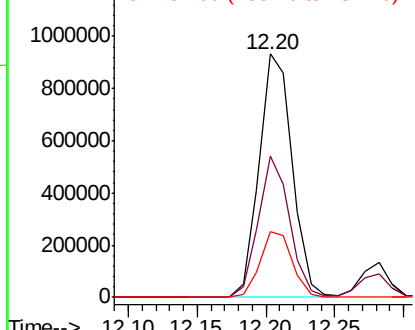
#83
tert-Butylbenzene
Concen: 59.061 ug/l
RT: 12.20 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VF062774.D
Acq: 29 May 2019 10:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 1569104
Ion Ratio Lower Upper
119 100
91 58.1 27.3 81.9
134 26.9 13.6 40.7

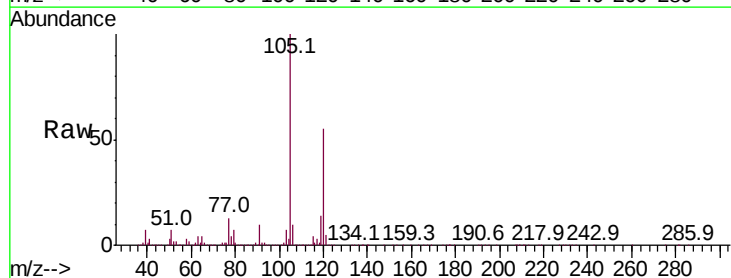


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

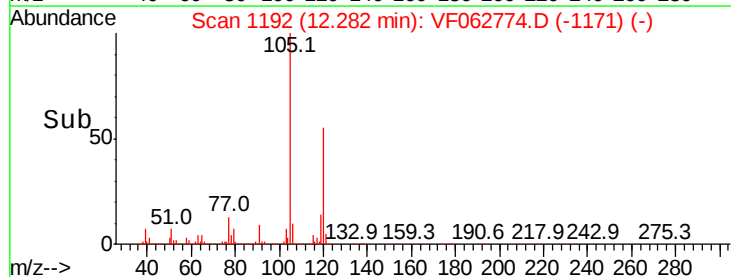
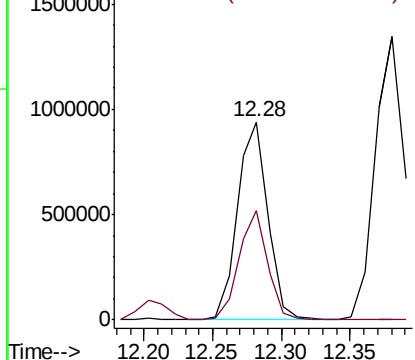


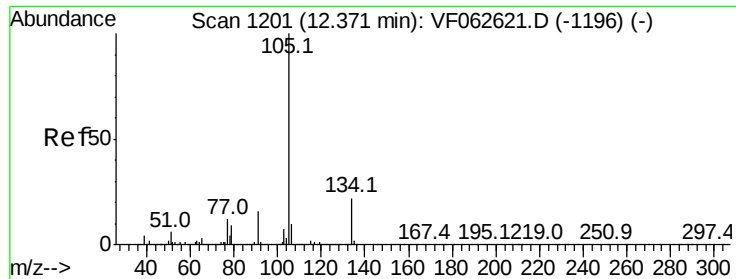
#84
1,2,4-Trimethylbenzene
Concen: 56.987 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. 0.01 min
Lab File: VF062774.D
Acq: 29 May 2019 10:24

Tgt Ion:105 Resp: 1444320
Ion Ratio Lower Upper
105 100
120 55.5 26.7 80.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 56.580 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

Instrument :

MSVOA_F

ClientSampleId :

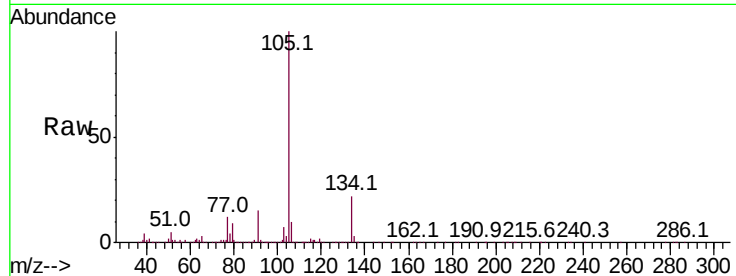
VSTDCCC050

Tot Ion:105 Resp: 2017314

Ion Ratio Lower Upper

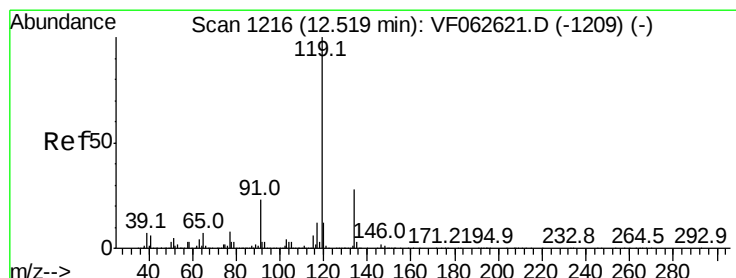
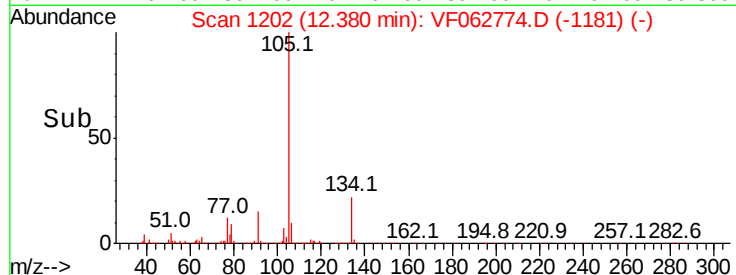
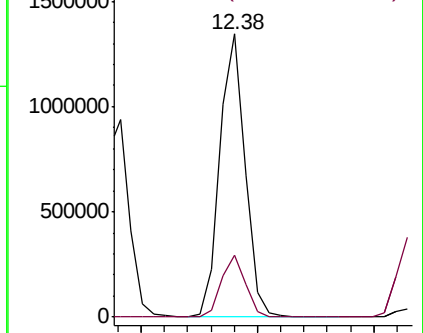
105 100

134 22.1 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.951 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

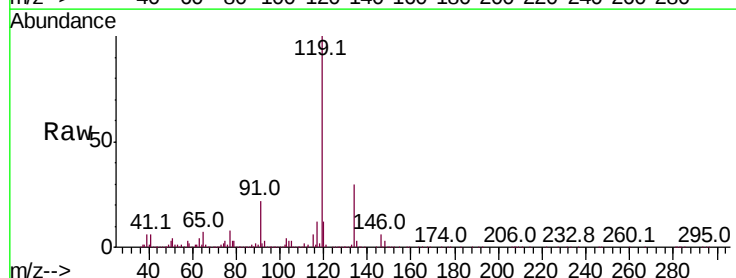
Tgt Ion:119 Resp: 1711223

Ion Ratio Lower Upper

119 100

134 30.5 14.1 42.3

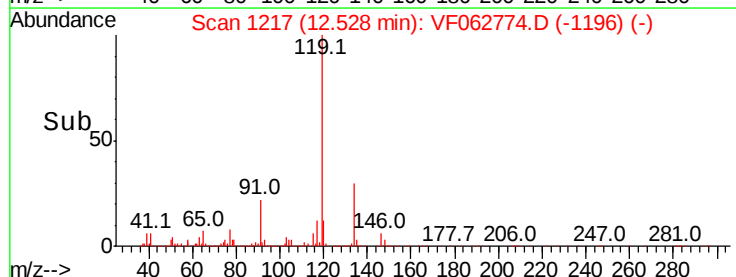
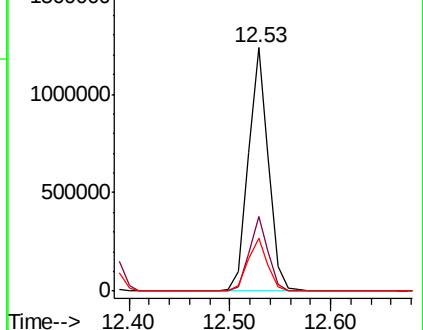
91 21.6 11.4 34.2

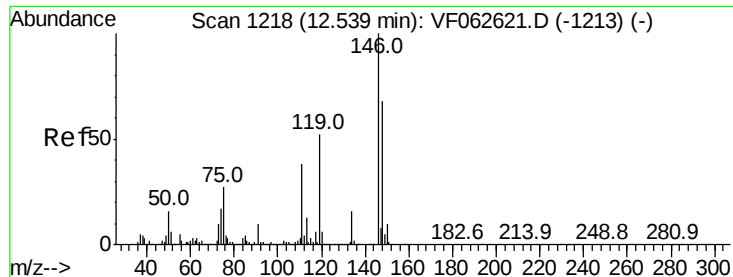


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 56.710 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.01 min

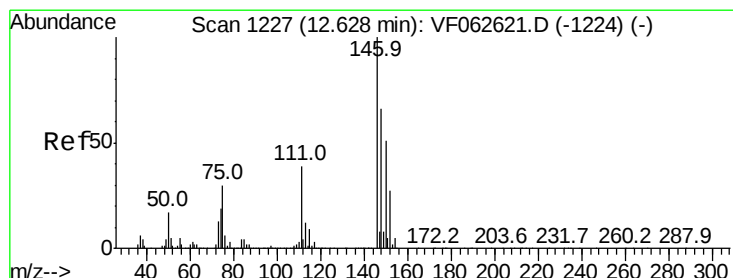
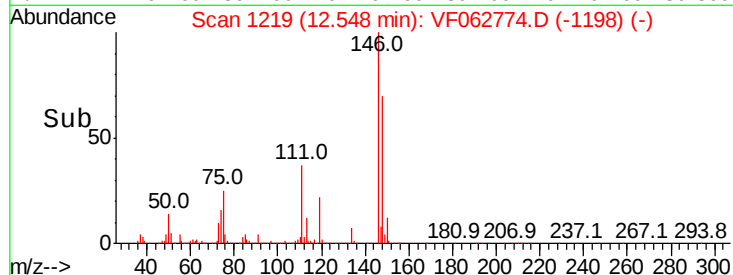
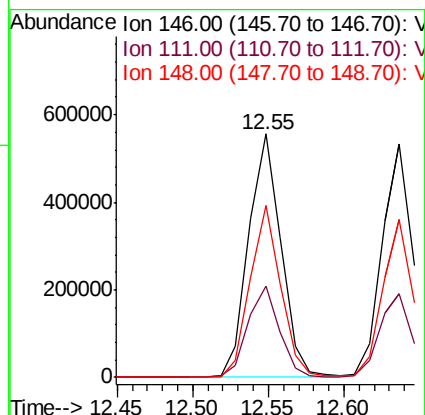
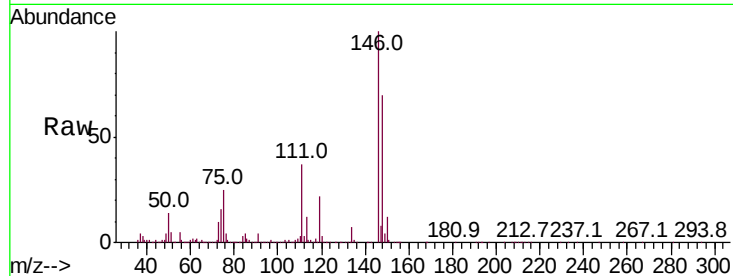
Lab File: VF062774.D

Acq: 29 May 2019 10:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:146 Resp: 832877

Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.9	56.9
148	70.4	34.0	101.8



#88

1,4-Dichlorobenzene

Concen: 56.288 ug/l

RT: 12.64 min Scan# 1228

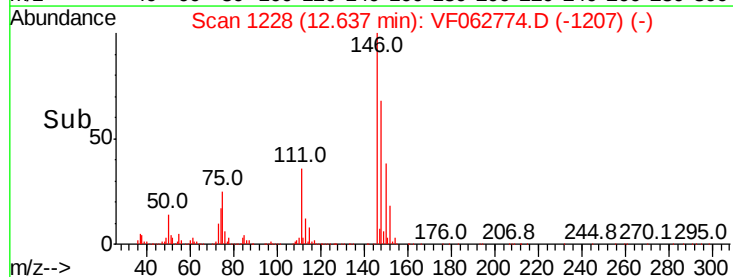
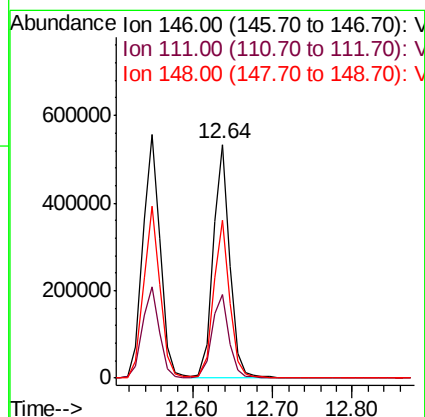
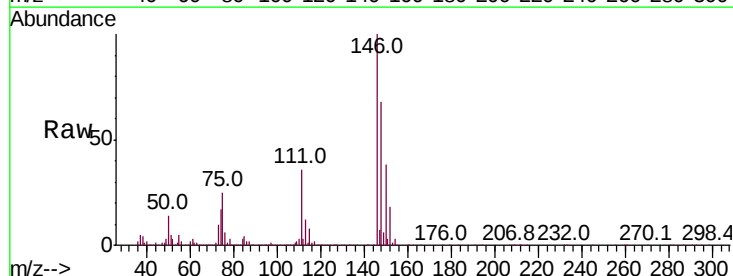
Delta R.T. 0.01 min

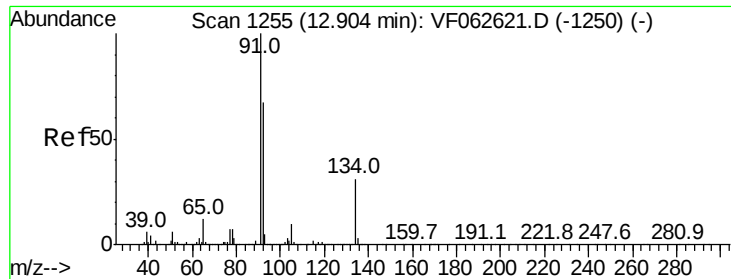
Lab File: VF062774.D

Acq: 29 May 2019 10:24

Tgt Ion:146 Resp: 775777

Ion	Ratio	Lower	Upper
146	100		
111	35.6	19.4	58.2
148	67.8	33.2	99.6





#89

n-Butylbenzene

Concen: 55.054 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

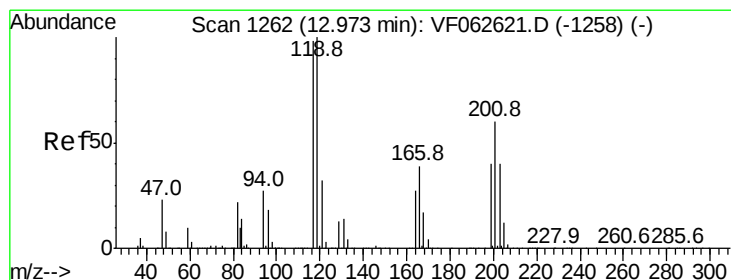
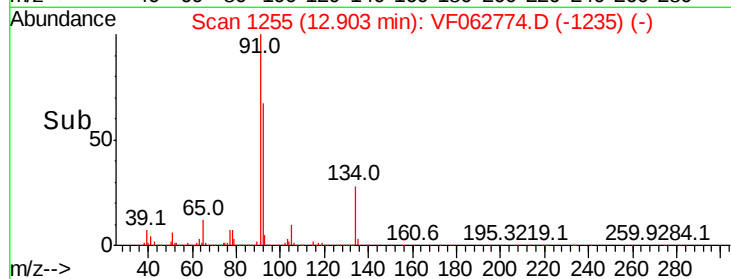
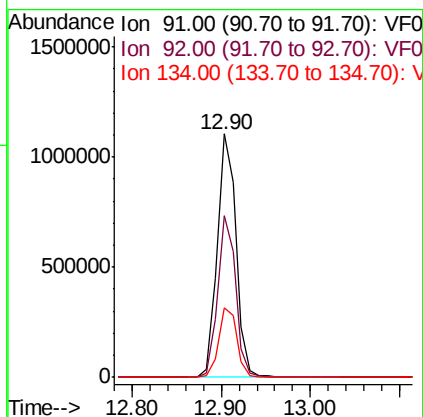
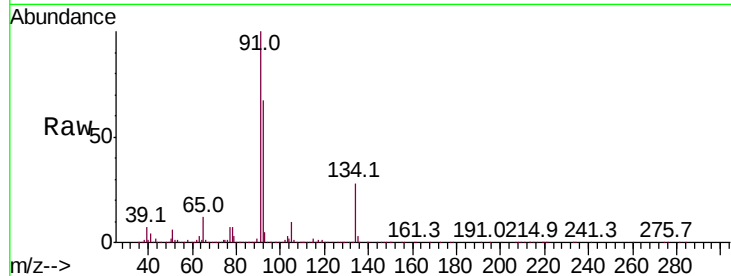
Tot Ion: 91 Resp: 1631012

Ion	Ratio	Lower	Upper
91	100		
92	66.6	33.3	99.8
134	28.4	15.4	46.4

91 100

92 66.6 33.3 99.8

134 28.4 15.4 46.4



#90

Hexachloroethane

Concen: 59.643 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VF062774.D

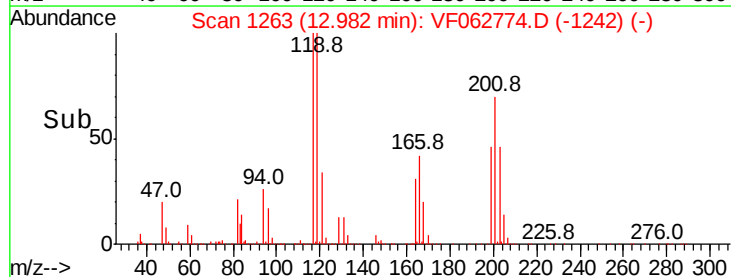
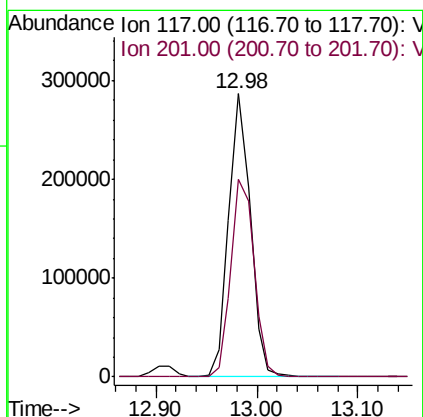
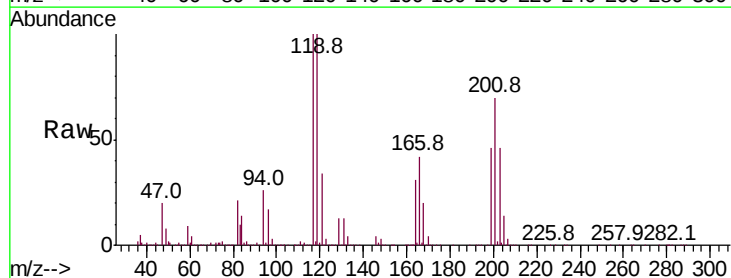
Acq: 29 May 2019 10:24

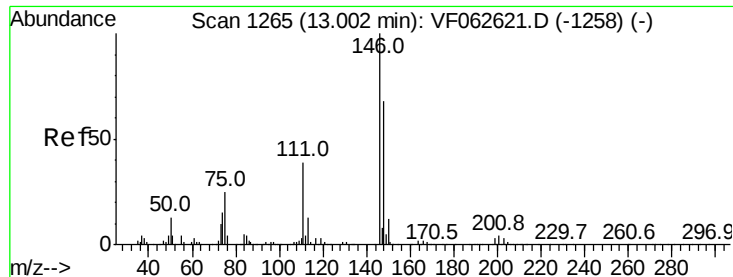
Tgt Ion: 117 Resp: 429910

Ion	Ratio	Lower	Upper
117	100		
201	69.9	30.7	92.1

117 100

201 69.9 30.7 92.1





#91

1,2-Dichlorobenzene

Concen: 57.247 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. 0.01 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

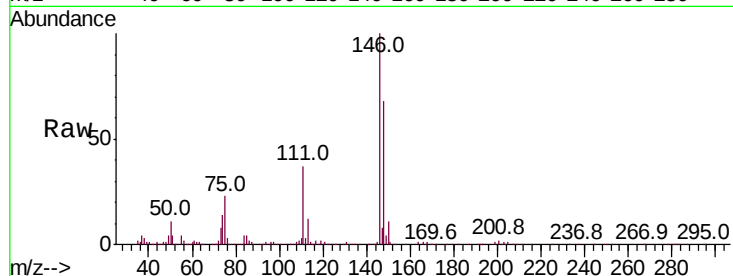
Tot Ion:146 Resp: 749449

Ion Ratio Lower Upper

146 100

111 37.0 19.8 59.3

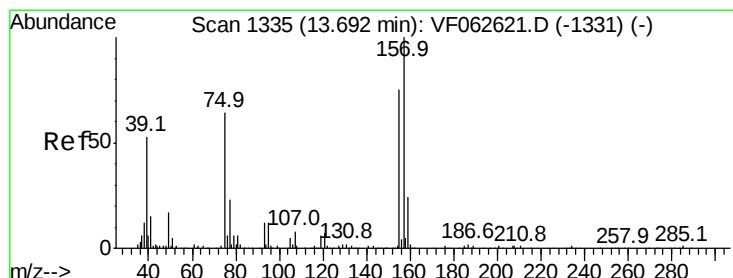
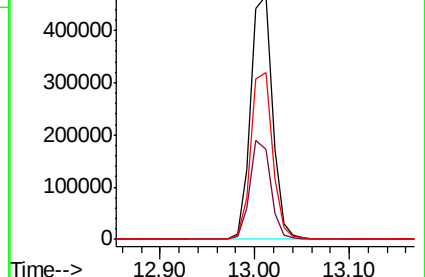
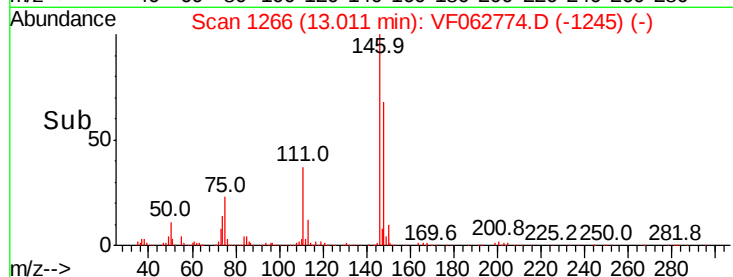
148 68.5 34.1 102.2



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 60.438 ug/l

RT: 13.70 min Scan# 1336

Delta R.T. 0.01 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

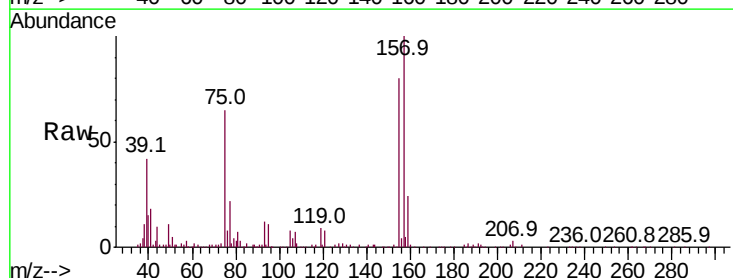
Tgt Ion: 75 Resp: 48120

Ion Ratio Lower Upper

75 100

155 122.6 58.1 174.3

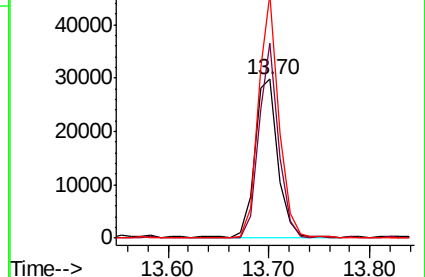
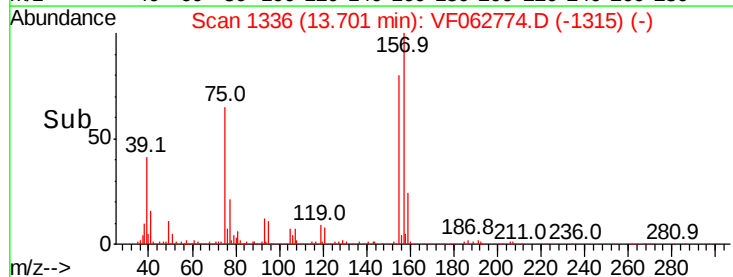
157 153.0 77.8 233.4

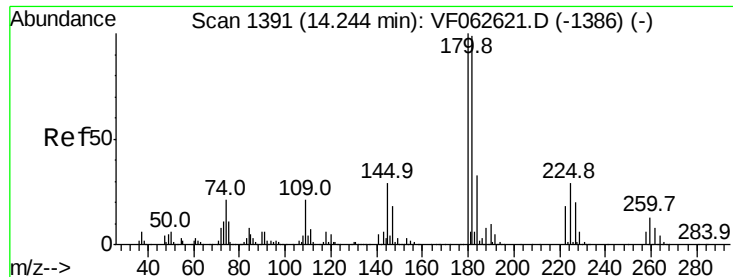


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

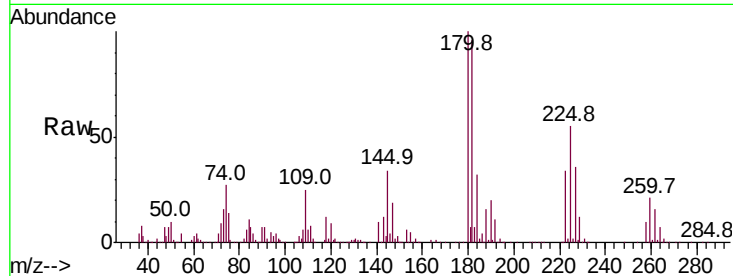




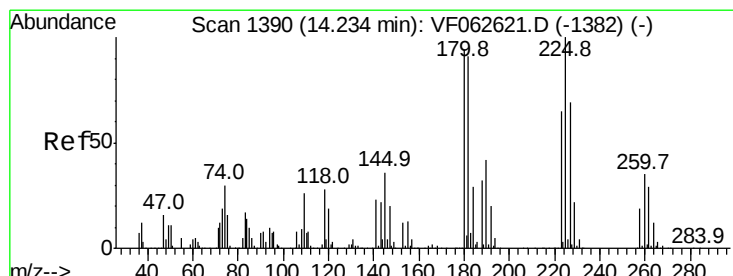
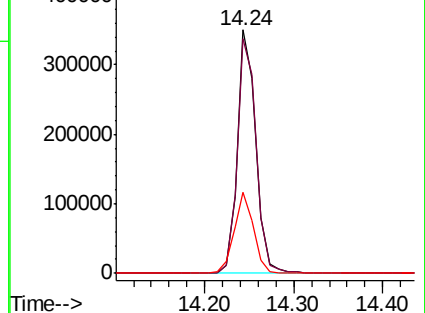
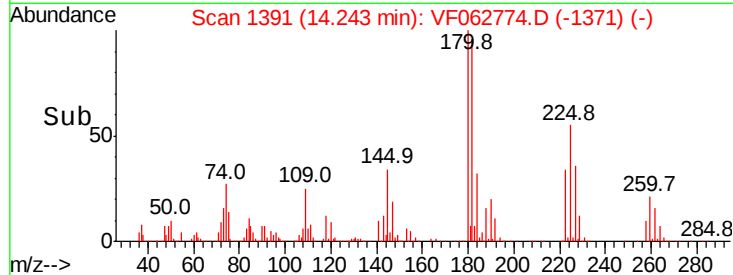
#93
 1,2,4-Trichlorobenzene
 Concen: 54.494 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VF062774.D
 Acq: 29 May 2019 10:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 510651
 Ion Ratio Lower Upper
 180 100
 182 96.2 49.7 149.1
 145 33.5 14.6 44.0

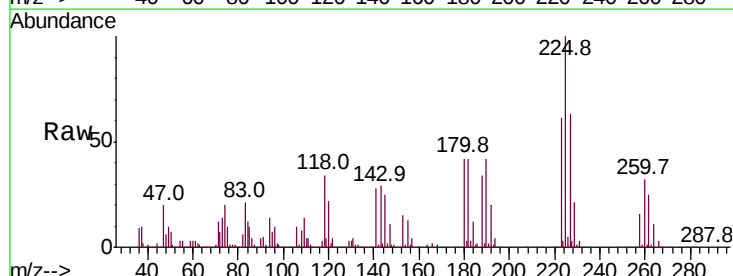


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

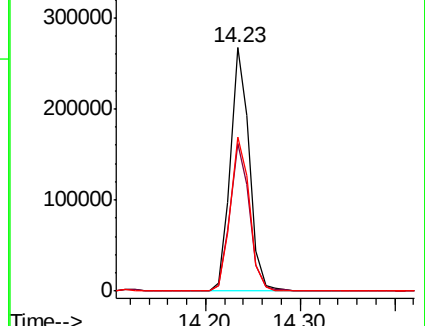
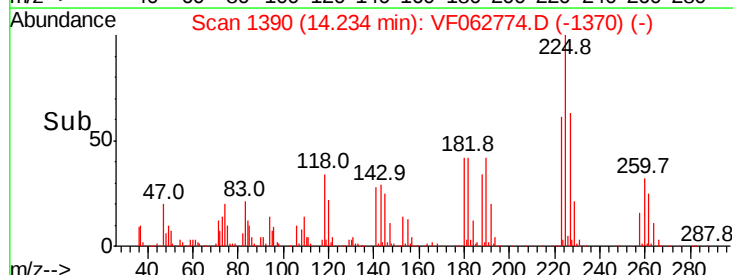


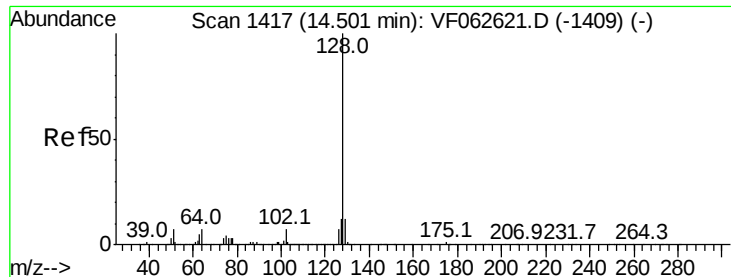
#94
 Hexachlorobutadiene
 Concen: 56.650 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062774.D
 Acq: 29 May 2019 10:24

Tgt Ion:225 Resp: 370472
 Ion Ratio Lower Upper
 225 100
 223 60.7 32.5 97.4
 227 63.1 34.5 103.5



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: 50.259 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

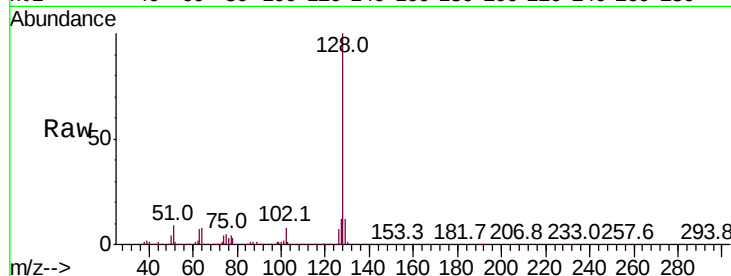
Tot Ion:128 Resp: 855613

Ion Ratio Lower Upper

128 100

127 12.3 9.7 14.5

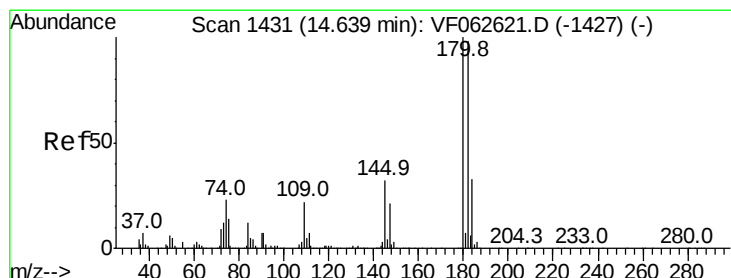
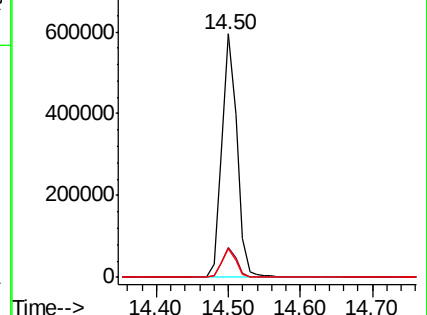
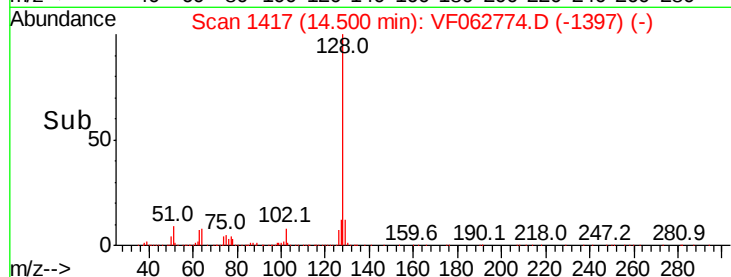
129 11.7 9.3 13.9



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: 52.650 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VF062774.D

Acq: 29 May 2019 10:24

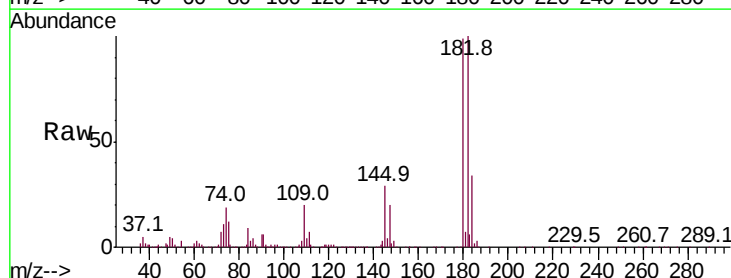
Tgt Ion:180 Resp: 467333

Ion Ratio Lower Upper

180 100

182 100.9 48.9 146.7

145 29.1 16.1 48.2



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

