

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF053019\
 Data File : VF062798.D
 Acq On : 30 May 2019 16:27
 Operator : FY/SY
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Quant Time: May 31 03:57:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 03:15:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	882883	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1504989	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	1203733	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	565491	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.06	65	618693	97.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.22%	
35) Dibromofluoromethane	4.34	113	1082982	92.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	185.24%	
50) Toluene-d8	7.73	98	2679198	88.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	176.58%	
62) 4-Bromofluorobenzene	11.51	95	1004906	96.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	193.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.02	85	966013	75.971	ug/l	97
3) Chloromethane	1.15	50	908865	91.162	ug/l	97
4) Vinyl Chloride	1.19	62	877188	91.326	ug/l	99
5) Bromomethane	1.39	94	495379	87.777	ug/l	99
6) Chloroethane	1.46	64	327557	89.453	ug/l #	86
7) Trichlorofluoromethane	1.57	101	1248985m	92.370	ug/l	
8) Diethyl Ether	1.73	74	250847	91.922	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.93	101	745158	84.906	ug/l	96
10) Methyl Iodide	2.01	142	1593418m	93.657	ug/l	
11) Tert butyl alcohol	2.72	59	201259	515.125	ug/l	96
12) 1,1-Dichloroethene	1.89	96	699158	90.403	ug/l	92
13) Acrolein	2.11	56	74207	493.065	ug/l	89
14) Allyl chloride	2.21	41	663914	117.511	ug/l	94
15) Acrylonitrile	3.11	53	890942	613.704	ug/l	92
16) Acetone	2.37	43	703530	474.758	ug/l	98
17) Carbon Disulfide	1.92	76	2111901	124.591	ug/l	96
18) Methyl Acetate	2.47	43	238990	82.990	ug/l	90
19) Methyl tert-butyl Ether	2.56	73	1309891	93.248	ug/l	99
20) Methylene Chloride	2.37	84	686713m	78.703	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	725307	89.944	ug/l	94
22) Diisopropyl ether	2.96	45	1609213	96.927	ug/l	98
23) Vinyl Acetate	3.37	43	5175224	423.405	ug/l	95
24) 1,1-Dichloroethane	3.04	63	1264653	100.481	ug/l	97
25) 2-Butanone	4.55	43	1481927	420.988	ug/l	95
26) 2,2-Dichloropropane	3.80	77	705791	94.857	ug/l	97
27) cis-1,2-Dichloroethene	3.67	96	1212904	93.150	ug/l	95
28) Bromochloromethane	3.93	49	637285	89.190	ug/l	95
29) Tetrahydrofuran	4.29	42	579132	445.314	ug/l	93
30) Chloroform	4.08	83	1637139	88.939	ug/l	100
31) Cyclohexane	3.90	56	1594753m	91.160	ug/l	
32) 1,1,1-Trichloroethane	4.32	97	1050330	103.197	ug/l	94
36) 1,1-Dichloropropene	4.50	75	1359882	92.683	ug/l	96
37) Ethyl Acetate	4.33	43	509701	86.199	ug/l	90
38) Carbon Tetrachloride	4.21	117	896497	91.299	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF053019\
 Data File : VF062798.D
 Acq On : 30 May 2019 16:27
 Operator : FY/SY
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Quant Time: May 31 03:57:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 03:15:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	1689595	94.450	ug/l	95
40) Benzene	4.85	78	3732548	86.226	ug/l	99
41) Methacrylonitrile	4.96	41	270064	84.091	ug/l	95
42) 1,2-Dichloroethane	5.16	62	747084	92.861	ug/l	96
43) Isopropyl Acetate	7.14	43	725353	98.974	ug/l	97
44) Trichloroethene	5.71	130	1078745	88.952	ug/l	98
45) 1,2-Dichloropropane	6.43	63	1000281	93.847	ug/l	98
46) Dibromomethane	6.29	93	568260	91.713	ug/l	97
47) Bromodichloromethane	6.57	83	1158728	91.796	ug/l	99
48) Methyl methacrylate	6.90	41	398079	106.554	ug/l	95
49) 1,4-Dioxane	6.89	88	100427	2228.769	ug/l	99
51) 4-Methyl-2-Pentanone	8.42	43	2322023	411.919	ug/l	97
52) Toluene	7.80	92	2103199	92.833	ug/l	90
53) t-1,3-Dichloropropene	8.45	75	972488	93.067	ug/l	99
54) cis-1,3-Dichloropropene	7.48	75	1419885	93.883	ug/l	97
55) 1,1,2-Trichloroethane	8.65	97	638197	92.021	ug/l	98
56) Ethyl methacrylate	8.77	69	716361	100.692	ug/l	98
57) 1,3-Dichloropropane	9.02	76	1087749	96.401	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.47	63	1170630	464.625	ug/l	94
59) 2-Hexanone	9.64	43	1658384	420.473	ug/l	94
60) Dibromochloromethane	8.88	129	862252	103.066	ug/l	100
61) 1,2-Dibromoethane	9.15	107	693617	101.270	ug/l	100
64) Tetrachloroethene	8.33	164	867667	86.388	ug/l	94
65) Chlorobenzene	9.96	112	2232668	91.470	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.08	131	919085	96.393	ug/l	97
67) Ethyl Benzene	10.05	91	3585071	84.264	ug/l	90
68) m/p-Xylenes	10.28	106	2925592	184.306	ug/l	89
69) o-Xylene	10.83	106	1544993	96.020	ug/l	86
70) Styrene	10.91	104	2168475	91.659	ug/l	99
71) Bromoform	10.89	173	475795	102.634	ug/l #	97
73) Isopropylbenzene	11.23	105	3538544	82.714	ug/l	96
74) N-amyl acetate	11.46	43	979589	80.713	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	823677	89.104	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	550962	92.670	ug/l	89
77) Bromobenzene	11.59	156	931714	88.928	ug/l	85
78) n-propylbenzene	11.69	91	3714936	69.970	ug/l	95
79) 2-Chlorotoluene	11.81	91	2533620	87.118	ug/l	91
80) 1,3,5-Trimethylbenzene	11.91	105	2917207	83.643	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.95	75	253077m	81.510	ug/l	
82) 4-Chlorotoluene	11.99	91	2416035	83.825	ug/l	90
83) tert-Butylbenzene	12.21	119	2964376	87.506	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	2789789	83.801	ug/l	92
85) sec-Butylbenzene	12.38	105	3705779	80.056	ug/l	91
86) p-Isopropyltoluene	12.53	119	3107927	81.612	ug/l	93
87) 1,3-Dichlorobenzene	12.55	146	1581037	84.044	ug/l	95
88) 1,4-Dichlorobenzene	12.64	146	1496568	85.330	ug/l	98
89) n-Butylbenzene	12.90	91	2966384	75.567	ug/l	98
90) Hexachloroethane	12.98	117	847349	93.713	ug/l	93
91) 1,2-Dichlorobenzene	13.01	146	1410383	85.390	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.70	75	98937	100.548	ug/l	77

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF053019\
Data File : VF062798.D
Acq On : 30 May 2019 16:27
Operator : FY/SY
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

Quant Time: May 31 03:57:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260
QLast Update : Fri May 31 03:15:01 2019
Response via : Initial Calibration

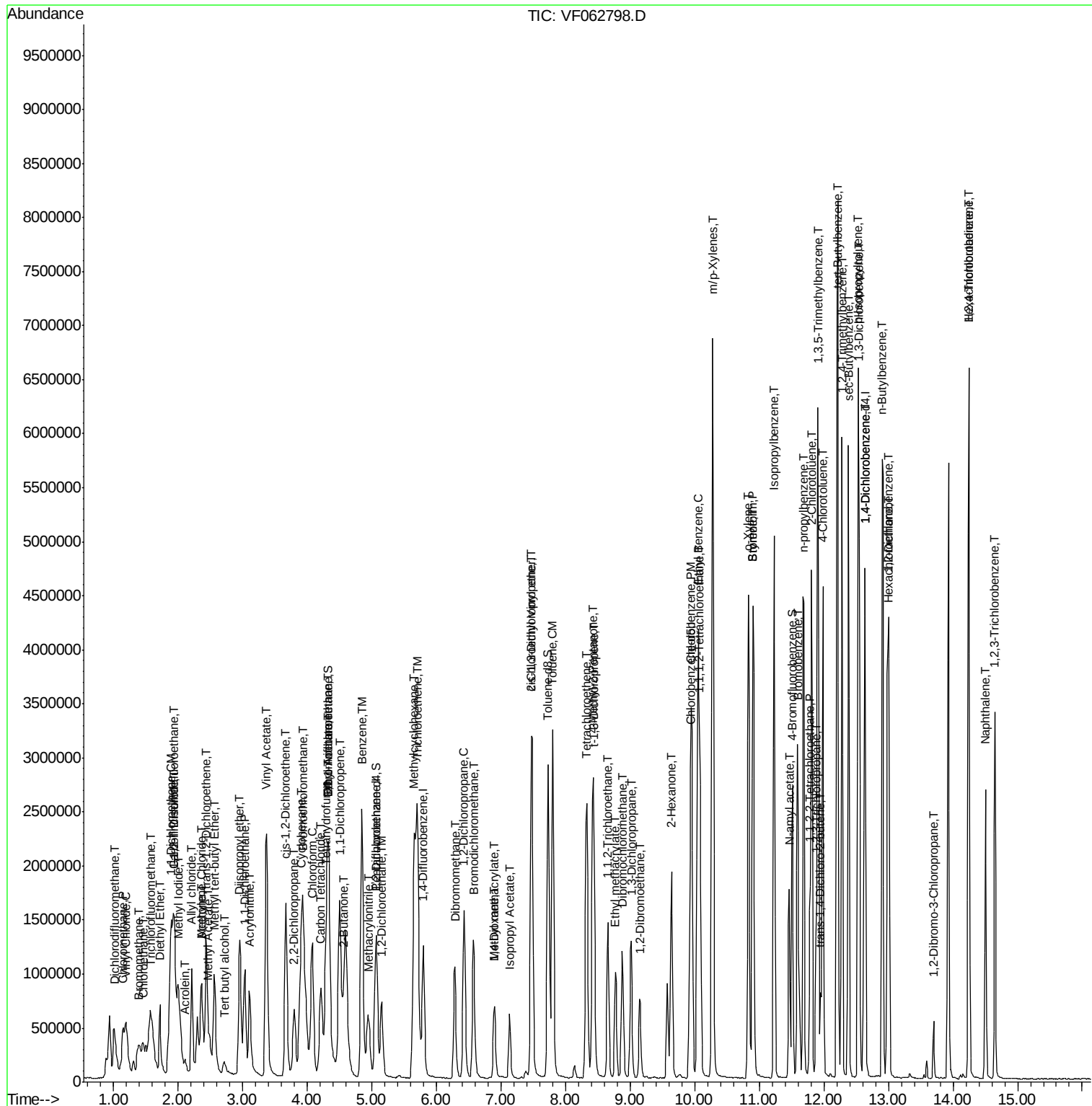
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	1040945	92.862	ug/l	98
94) Hexachlorobutadiene	14.23	225	729834	94.758	ug/l	97
95) Naphthalene	14.50	128	1937570	108.828	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	997838	100.555	ug/l	93

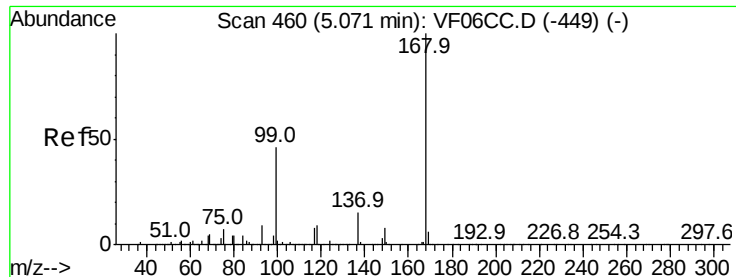
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF053019\
 Data File : VF062798.D
 Acq On : 30 May 2019 16:27
 Operator : FY/SY
 Sample : VSTDIC100
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Quant Time: May 31 03:57:26 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 03:15:01 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.00 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

Instrument :

MSVOA_F

ClientSampleId :

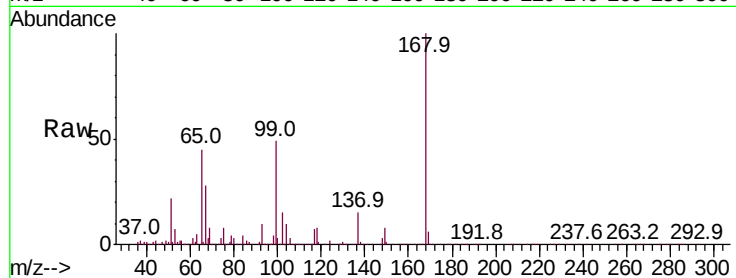
VSTDIC100

Tot Ion:168 Resp: 882883

Ion Ratio Lower Upper

168 100

99 48.7 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.08

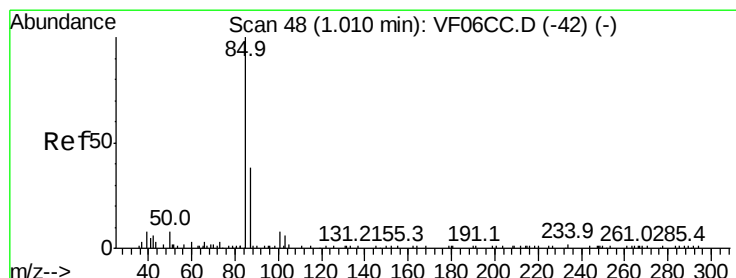
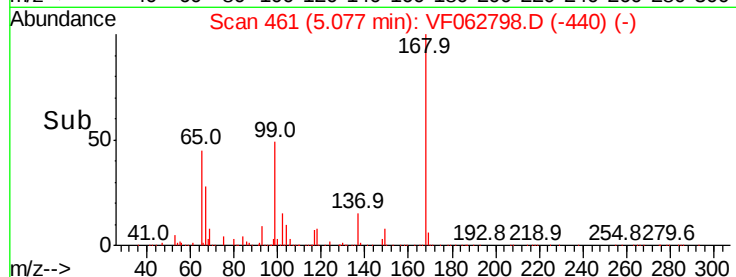
300000

200000

100000

0

Time--> 4.90 5.00 5.10 5.20 5.30



#2

Dichlorodifluoromethane

Concen: 75.971 ug/l

RT: 1.02 min Scan# 49

Delta R.T. 0.00 min

Lab File: VF062798.D

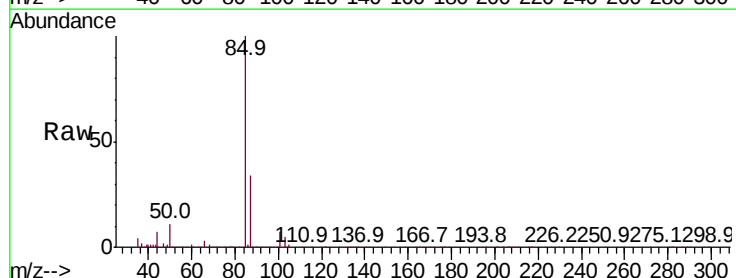
Acq: 30 May 2019 16:27

Tgt Ion: 85 Resp: 966013

Ion Ratio Lower Upper

85 100

87 33.7 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.02

300000

250000

200000

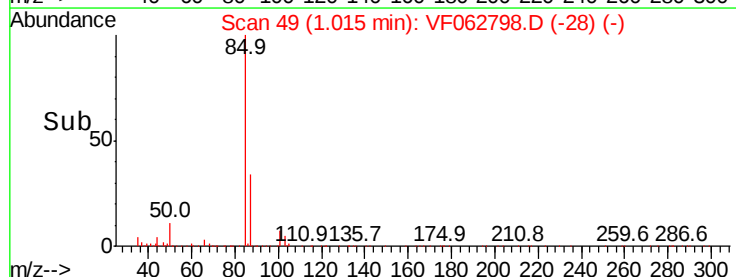
150000

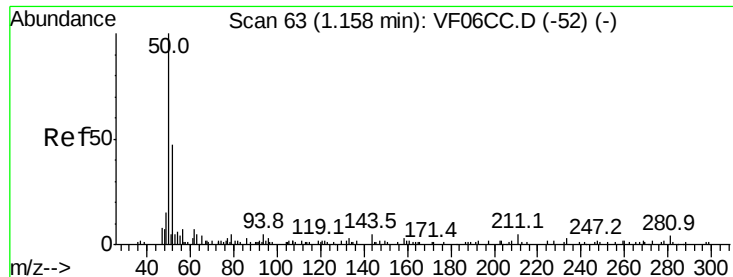
100000

50000

0

Time--> 0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 91.162 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

Instrument :

MSVOA_F

ClientSampleId :

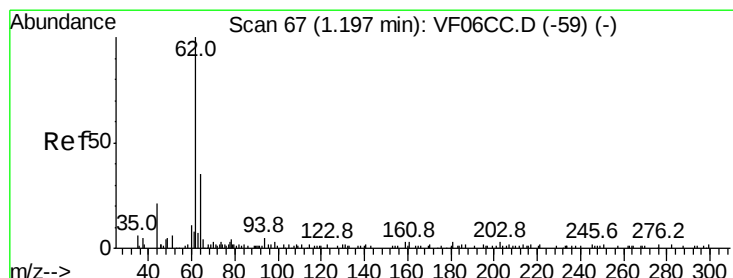
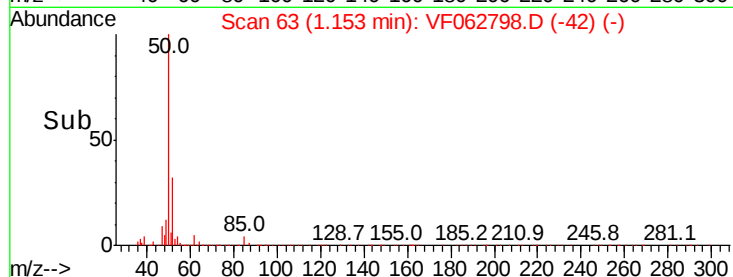
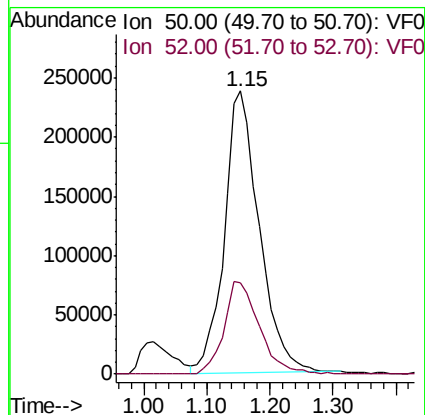
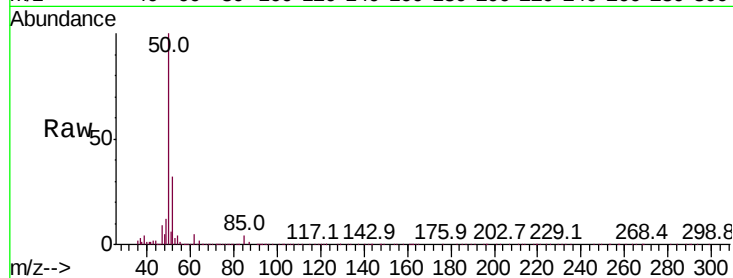
VSTDIC100

Tot Ion: 50 Resp: 908865

Ion Ratio Lower Upper

50 100

52 32.2 27.0 40.4



#4

Vinyl Chloride

Concen: 91.326 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.01 min

Lab File: VF062798.D

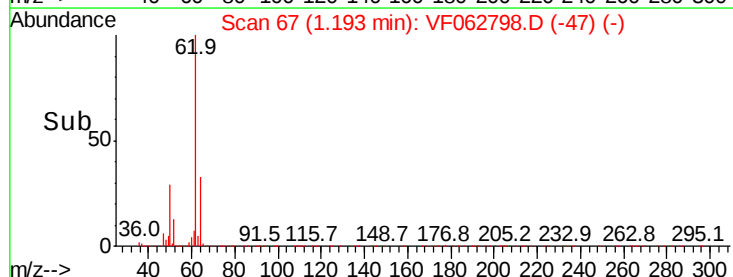
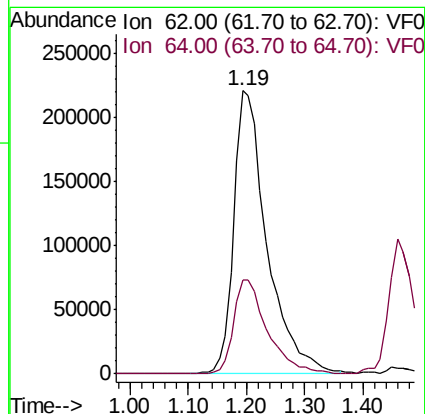
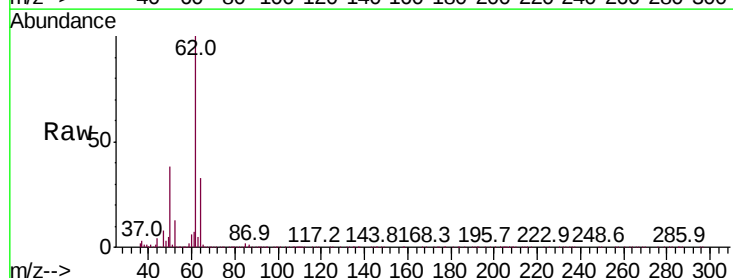
Acq: 30 May 2019 16:27

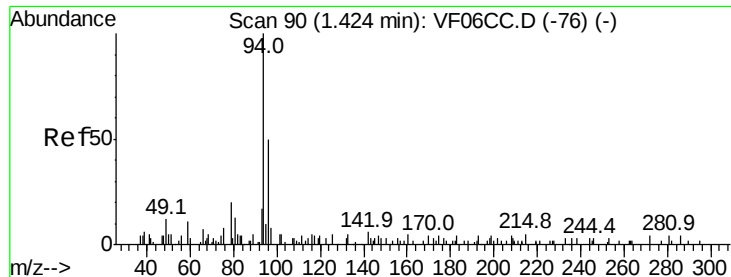
Tgt Ion: 62 Resp: 877188

Ion Ratio Lower Upper

62 100

64 33.3 26.2 39.2





#5

Bromomethane

Concen: 87.777 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.02 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

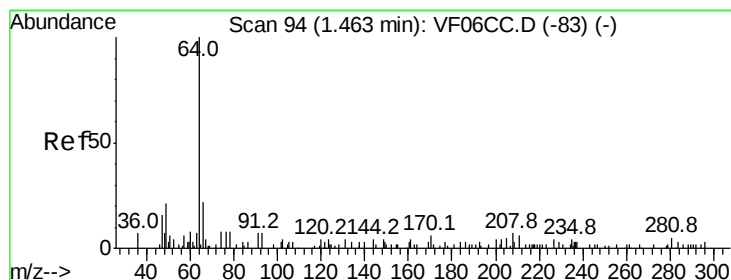
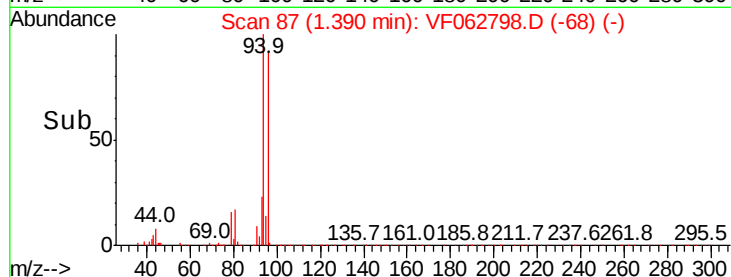
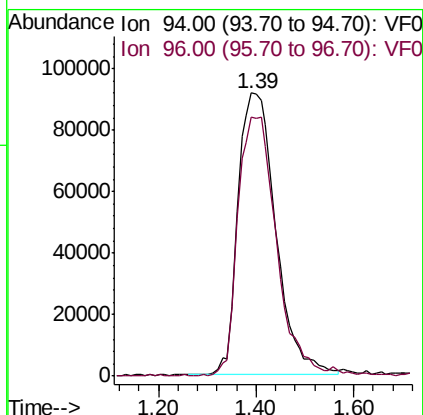
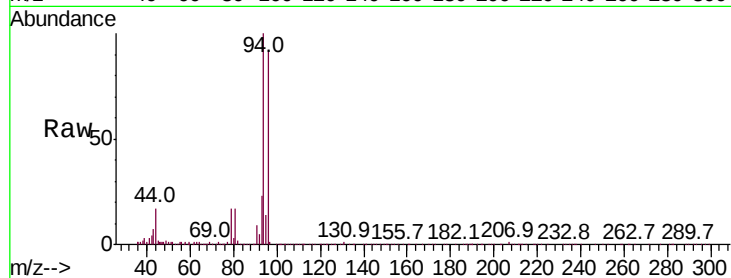
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 94 Resp: 495379

Ion Ratio Lower Upper

94 100

96 91.6 73.8 110.6



#6

Chloroethane

Concen: 89.453 ug/l

RT: 1.46 min Scan# 94

Delta R.T. -0.01 min

Lab File: VF062798.D

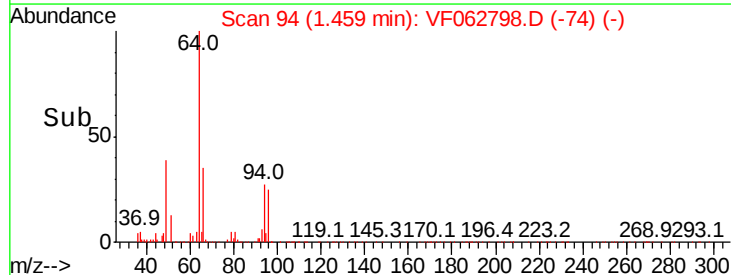
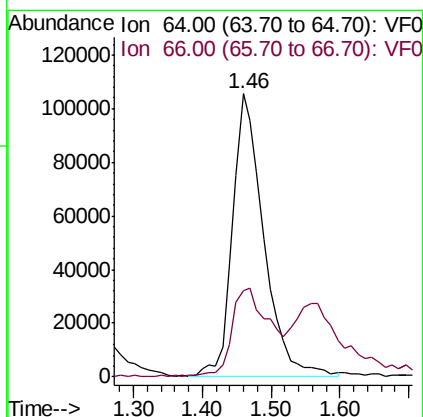
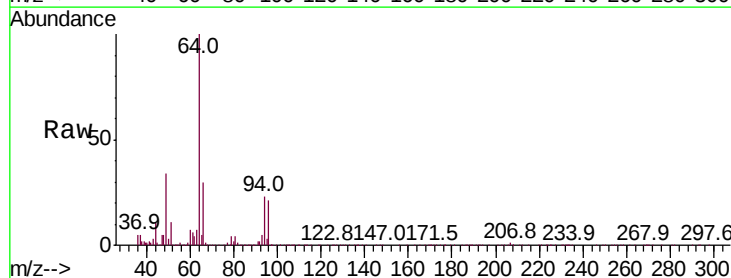
Acq: 30 May 2019 16:27

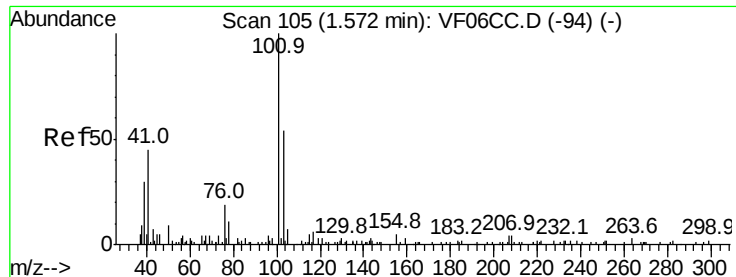
Tgt Ion: 64 Resp: 327557

Ion Ratio Lower Upper

64 100

66 30.3 31.0 46.4#



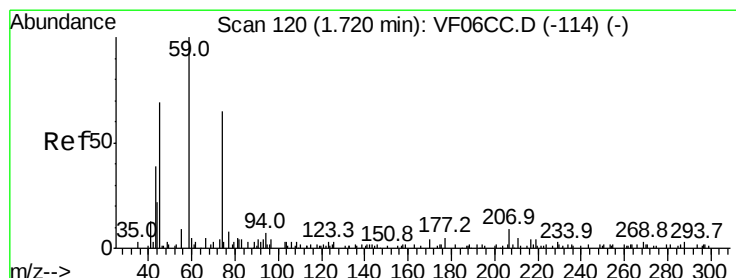
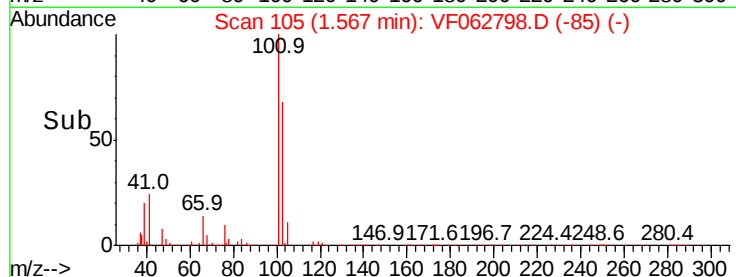
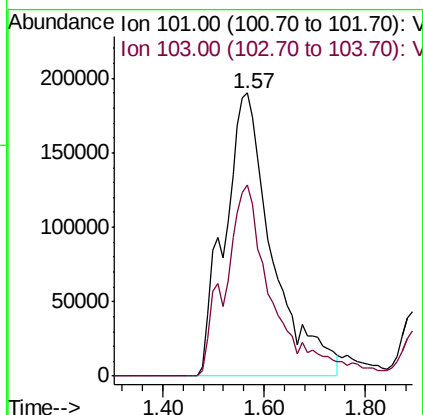
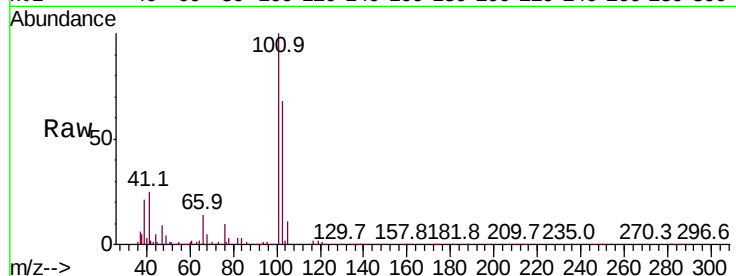


#7

Trichlorofluoromethane
Concen: 92.370 ug/l m
RT: 1.57 min Scan# 105
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

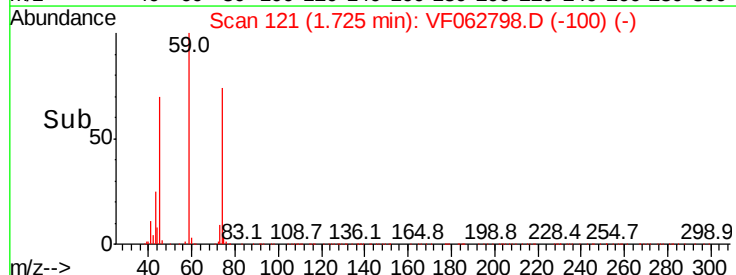
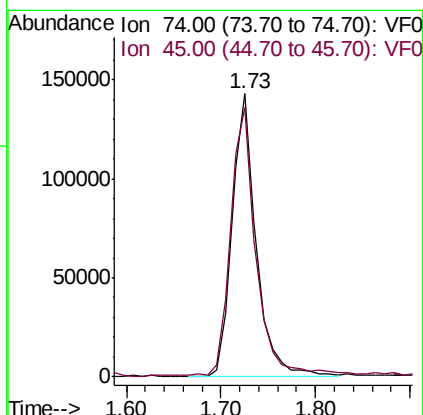
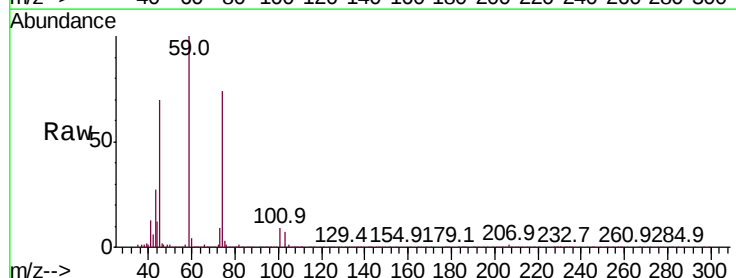
Tot Ion:101 Resp: 1248985
Ion Ratio Lower Upper
101 100
103 67.6 54.6 82.0

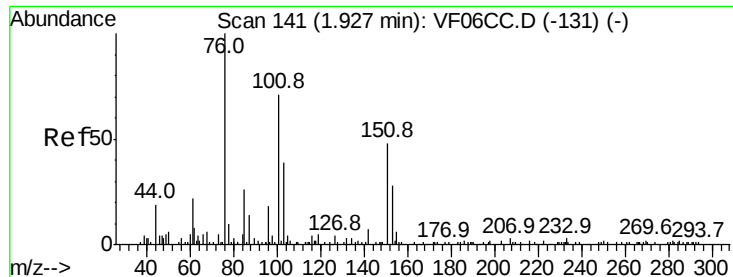


#8

Diethyl Ether
Concen: 91.922 ug/l
RT: 1.73 min Scan# 121
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 74 Resp: 250847
Ion Ratio Lower Upper
74 100
45 95.0 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 84.906 ug/l

RT: 1.93 min Scan# 142

Delta R.T. -0.01 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

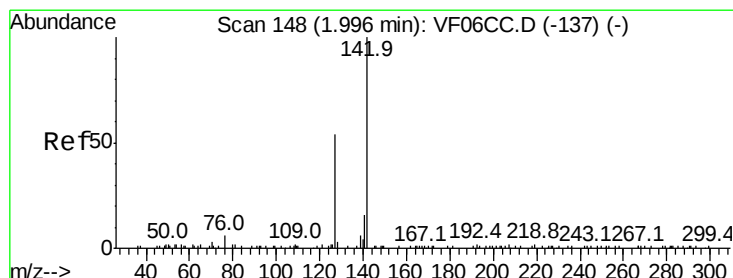
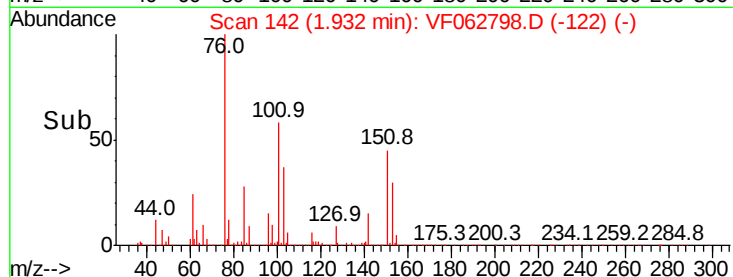
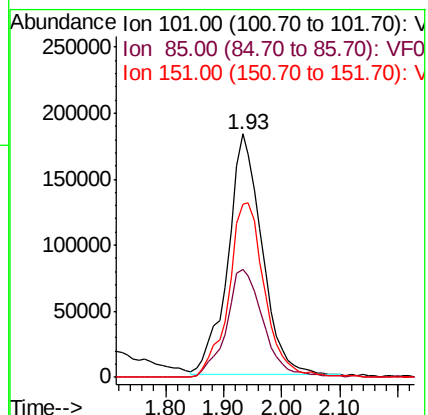
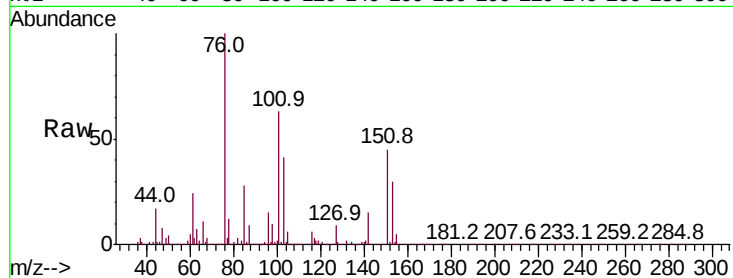
Tot Ion:101 Resp: 745158

Ion Ratio Lower Upper

101 100

85 44.2 37.1 55.7

151 71.1 60.3 90.5



#10

Methyl Iodide

Concen: 93.657 ug/l m

RT: 2.01 min Scan# 150

Delta R.T. -0.01 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

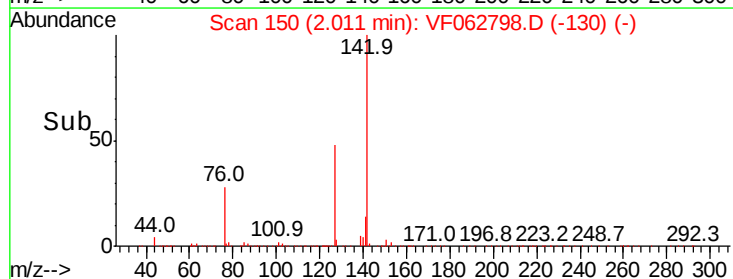
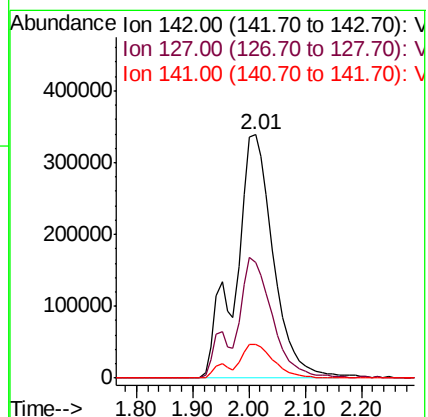
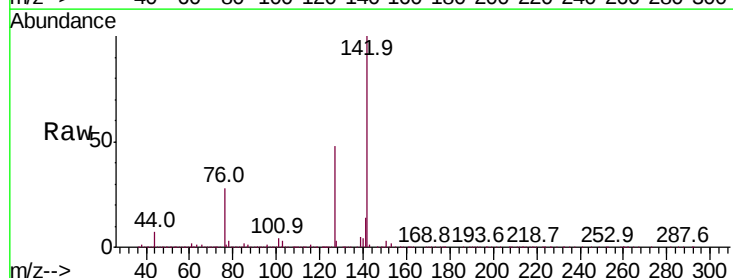
Tgt Ion:142 Resp: 1593418

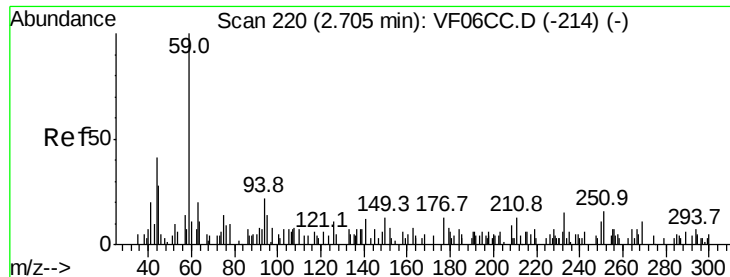
Ion Ratio Lower Upper

142 100

127 47.5 39.4 59.2

141 14.0 10.6 15.8



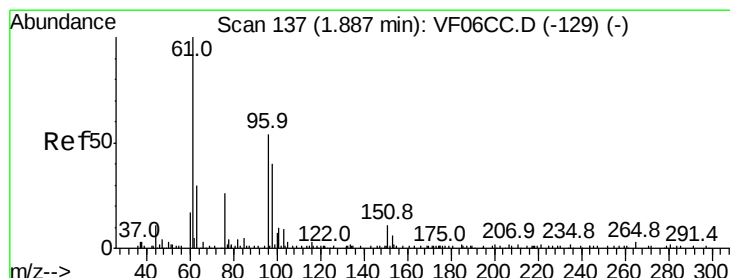
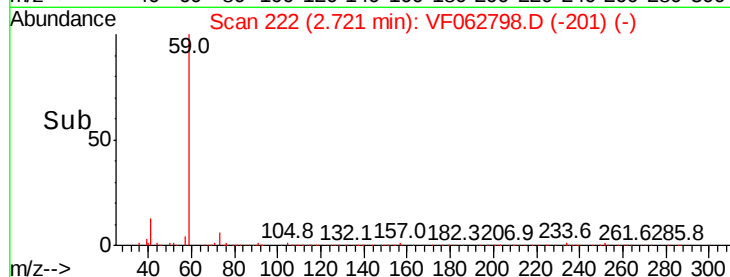
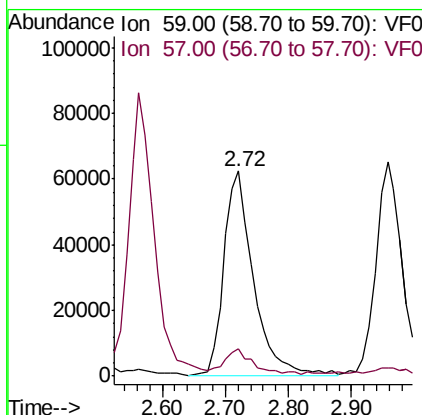
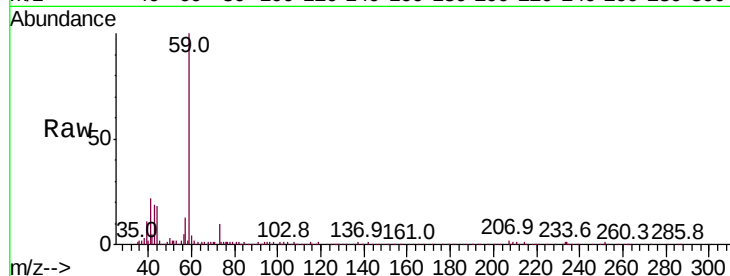


#11

Tert butyl alcohol
Concen: 515.125 ug/l
RT: 2.72 min Scan# 222
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

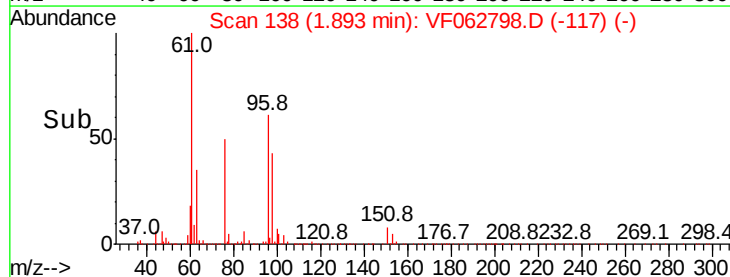
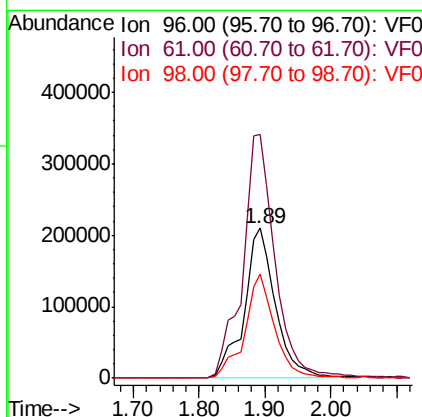
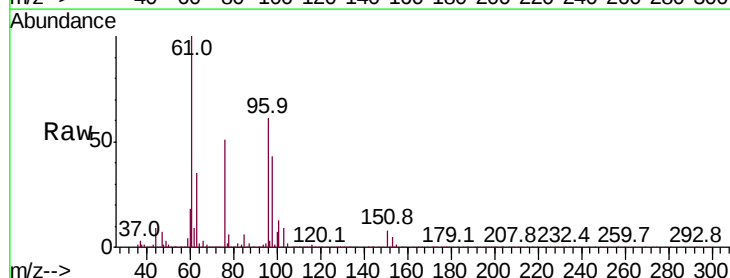
Tot Ion: 59 Resp: 201259
Ion Ratio Lower Upper
59 100
57 13.1 9.2 13.8

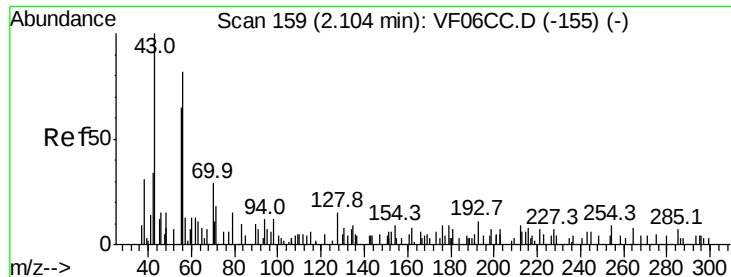


#12

1,1-Dichloroethene
Concen: 90.403 ug/l
RT: 1.89 min Scan# 138
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 96 Resp: 699158
Ion Ratio Lower Upper
96 100
61 162.6 139.4 209.2
98 69.3 50.3 75.5

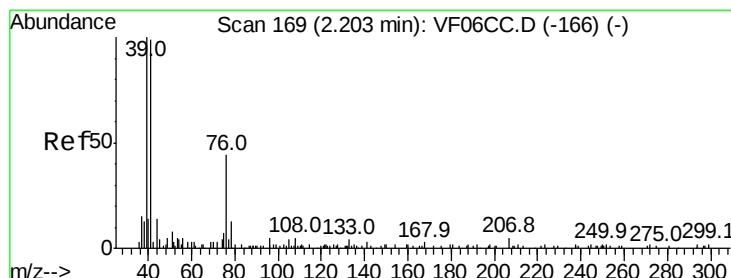
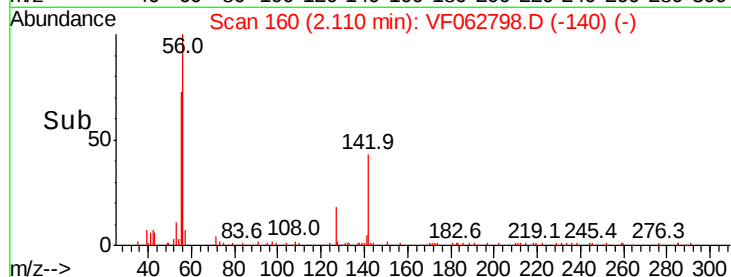
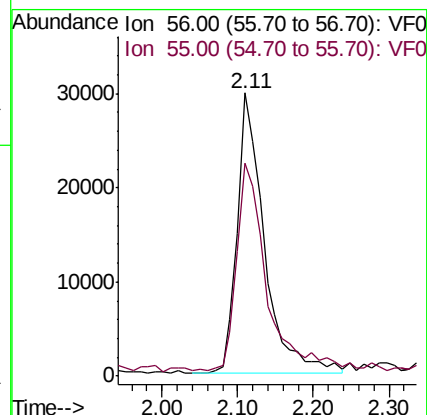
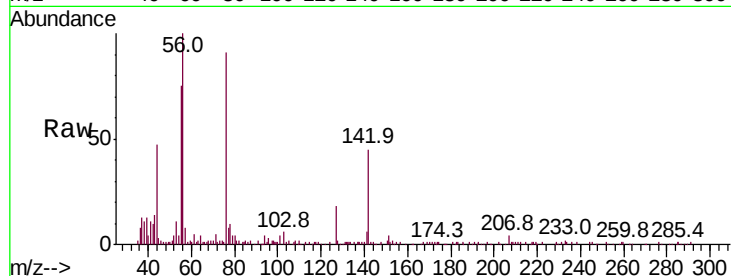




#13
Acrolein
Concen: 493.065 ug/l
RT: 2.11 min Scan# 160
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

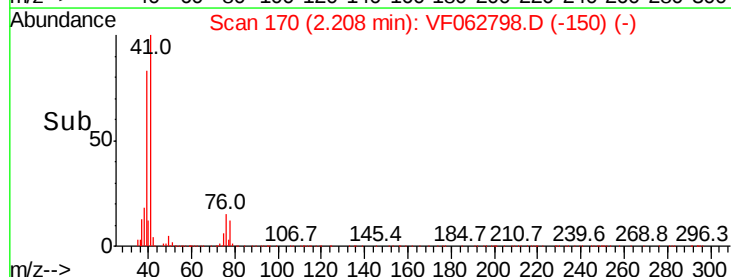
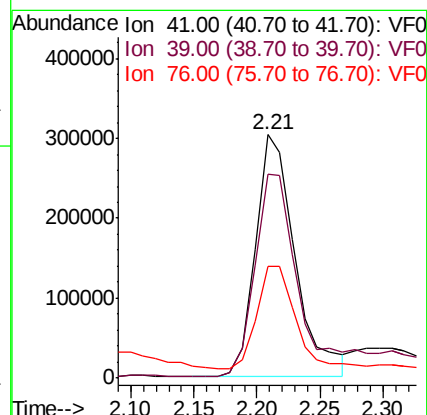
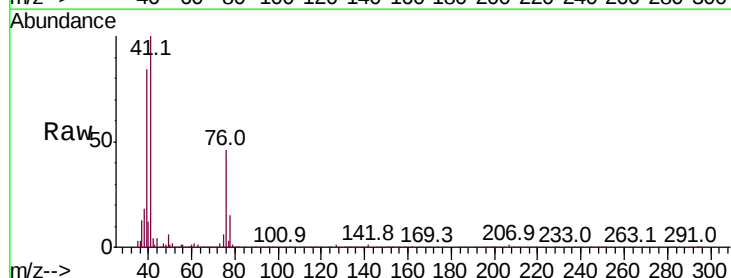
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

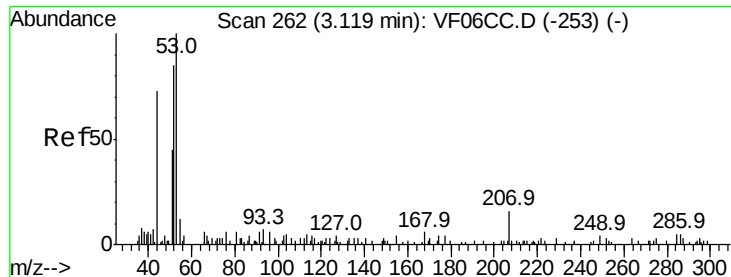
Tot Ion: 56 Resp: 74207
Ion Ratio Lower Upper
56 100
55 75.1 52.9 79.3



#14
Allyl chloride
Concen: 117.511 ug/l
RT: 2.21 min Scan# 170
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 41 Resp: 663914
Ion Ratio Lower Upper
41 100
39 83.6 71.9 107.9
76 46.1 39.6 59.4





#15

Acrylonitrile

Concen: 613.704 ug/l

RT: 3.11 min Scan# 261

Delta R.T. -0.01 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

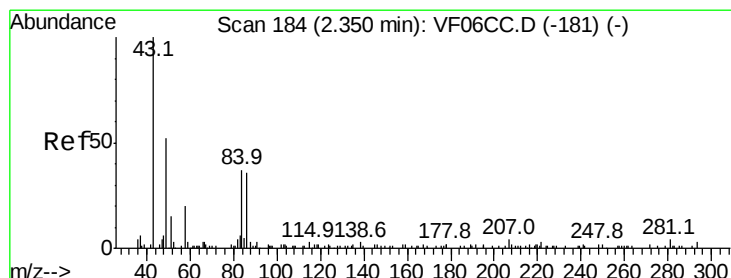
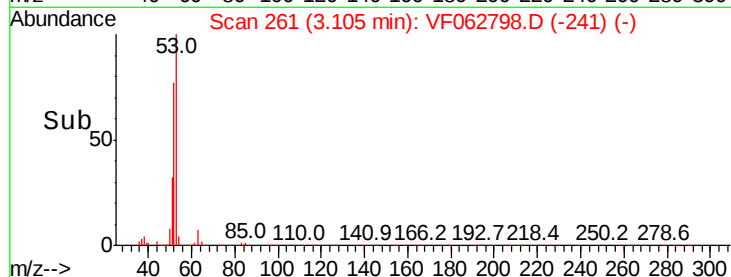
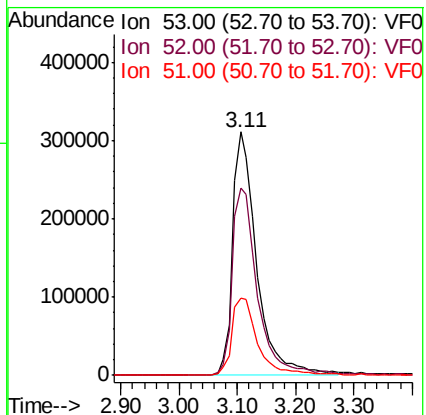
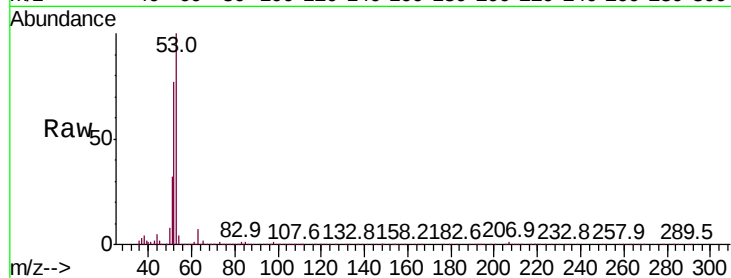
Tot Ion: 53 Resp: 890942

Ion Ratio Lower Upper

53 100

52 76.9 68.1 102.1

51 31.7 27.7 41.5



#16

Acetone

Concen: 474.758 ug/l

RT: 2.37 min Scan# 186

Delta R.T. 0.00 min

Lab File: VF062798.D

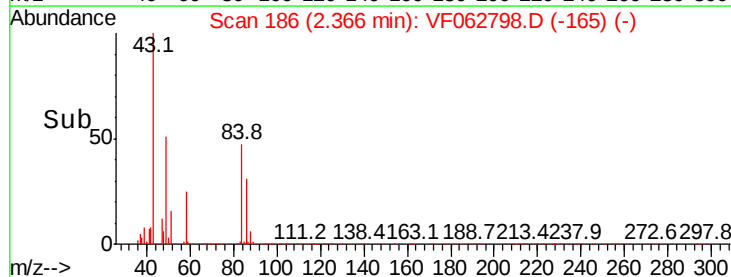
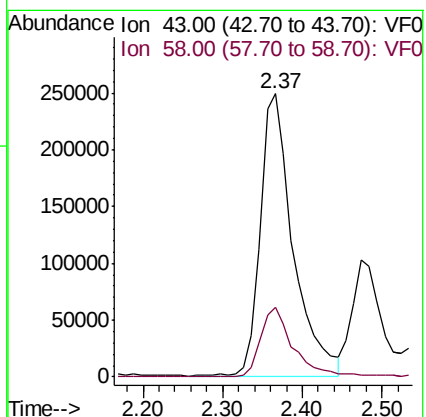
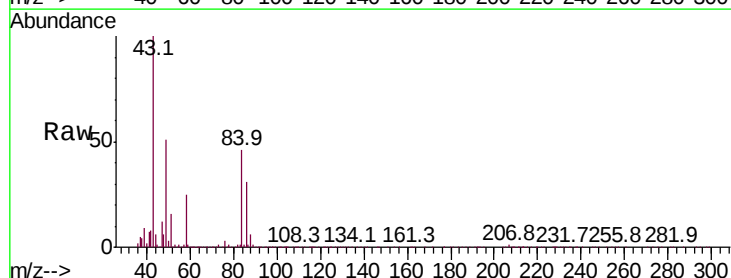
Acq: 30 May 2019 16:27

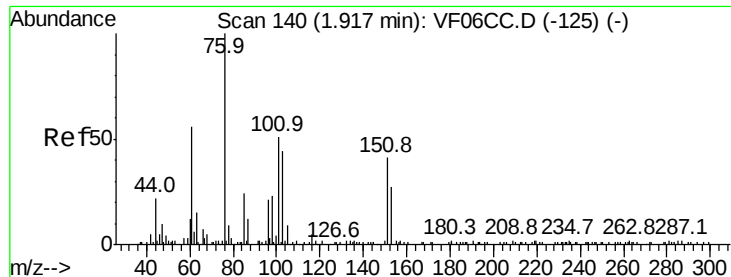
Tgt Ion: 43 Resp: 703530

Ion Ratio Lower Upper

43 100

58 24.5 19.0 28.4

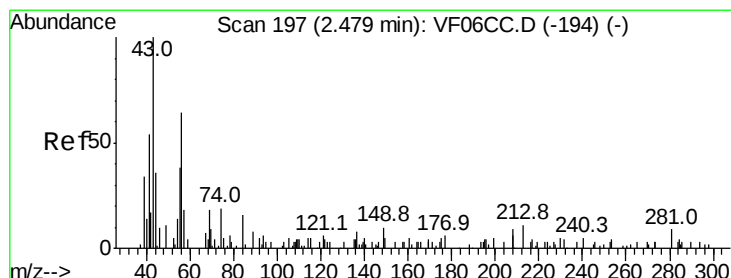
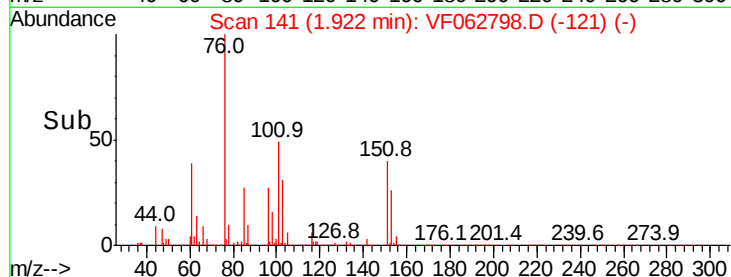
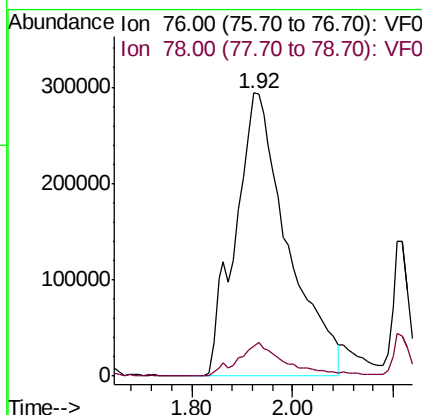
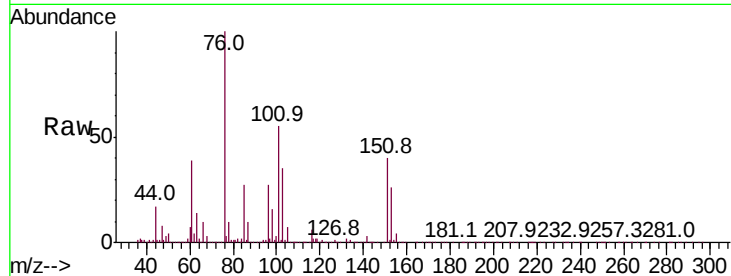




#17
Carbon Disulfide
Concen: 124.591 ug/l
RT: 1.92 min Scan# 141
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

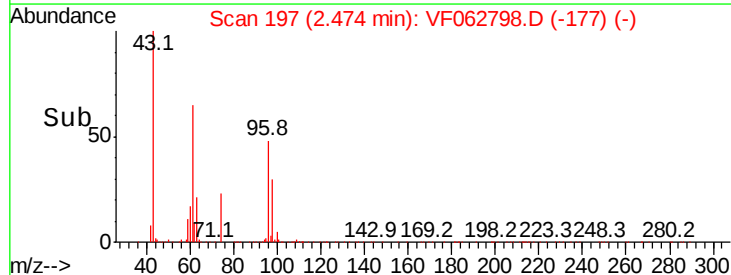
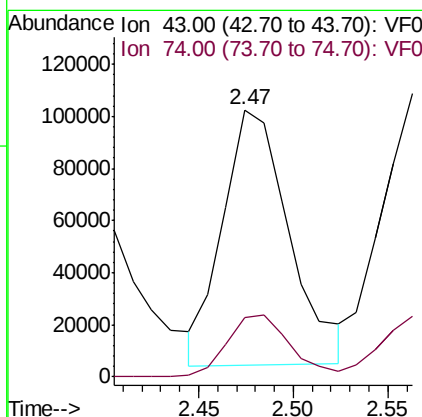
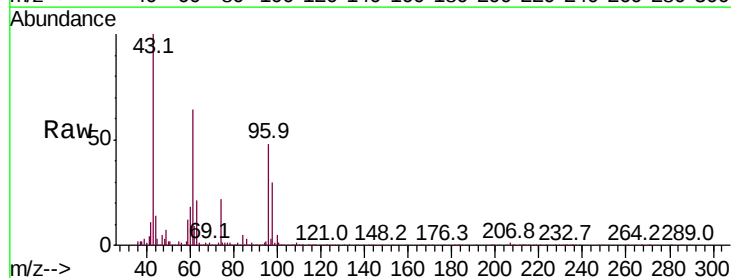
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

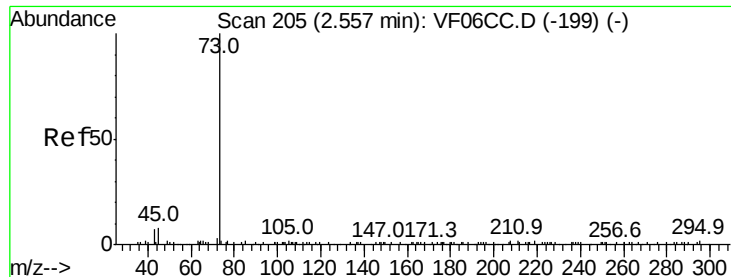
Tot Ion: 76 Resp: 2111901
Ion Ratio Lower Upper
76 100
78 10.4 9.4 14.2



#18
Methyl Acetate
Concen: 82.990 ug/l
RT: 2.47 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 43 Resp: 238990
Ion Ratio Lower Upper
43 100
74 22.3 22.1 33.1

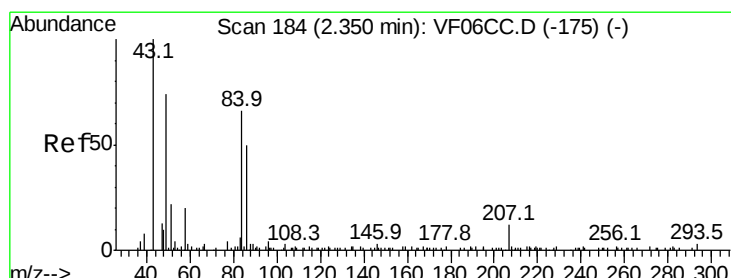
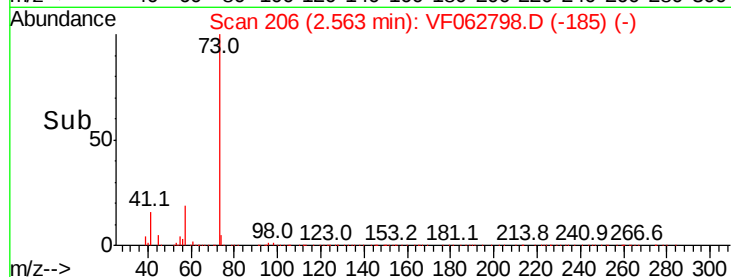
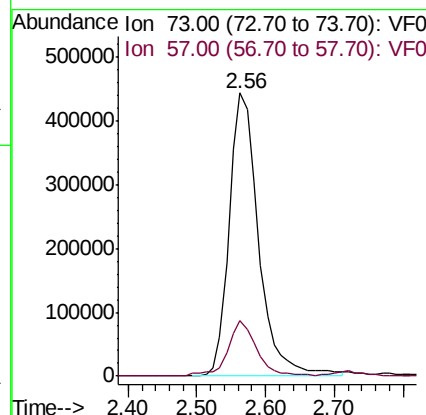
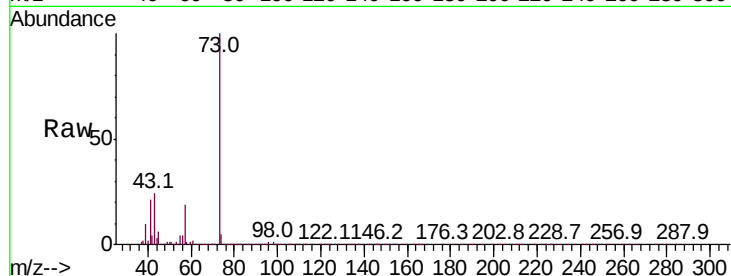




#19
Methyl tert-butyl Ether
Concen: 93.248 ug/l
RT: 2.56 min Scan# 206
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

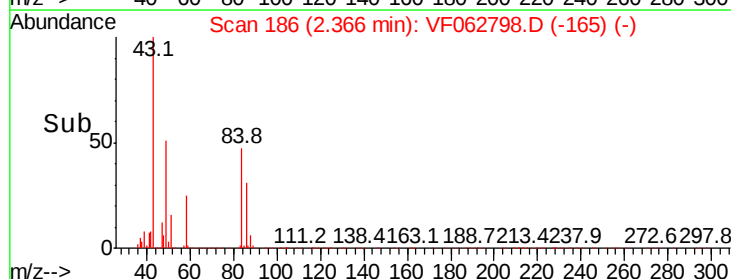
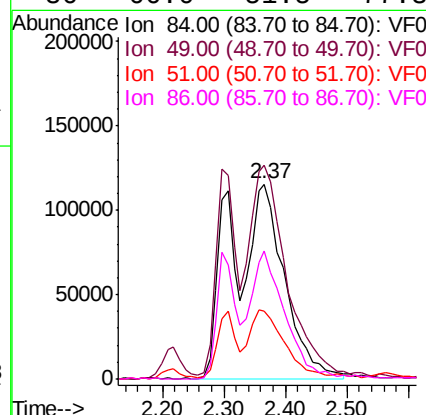
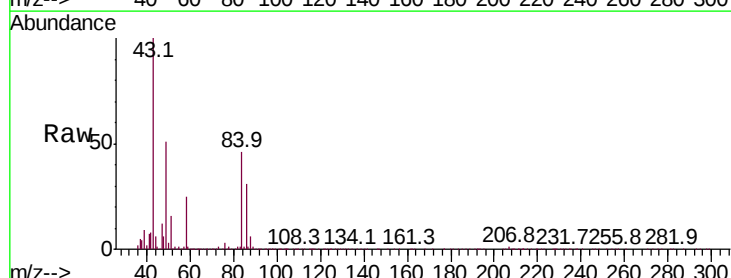
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

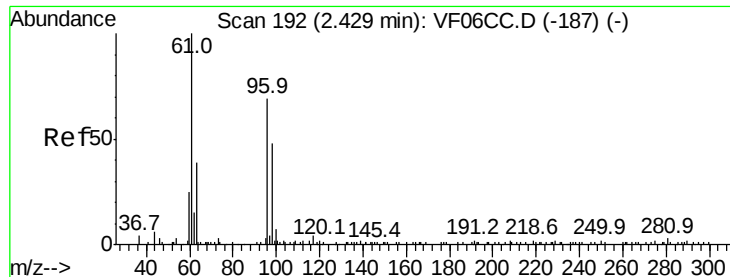
Tot Ion: 73 Resp: 1309891
Ion Ratio Lower Upper
73 100
57 19.4 15.1 22.7



#20
Methylene Chloride
Concen: 78.703 ug/l m
RT: 2.37 min Scan# 186
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 84 Resp: 686713
Ion Ratio Lower Upper
84 100
49 109.8 82.6 123.8
51 34.8 25.0 37.4
86 66.0 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 89.944 ug/l

RT: 2.43 min Scan# 193

Delta R.T. -0.01 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICC100

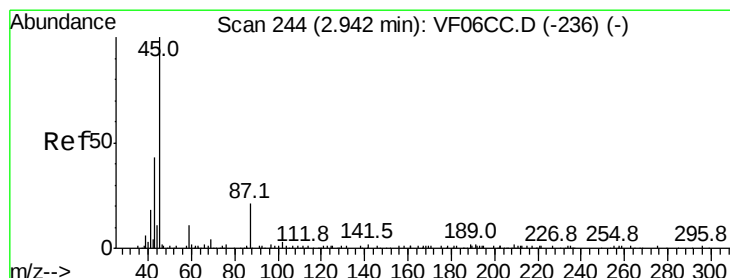
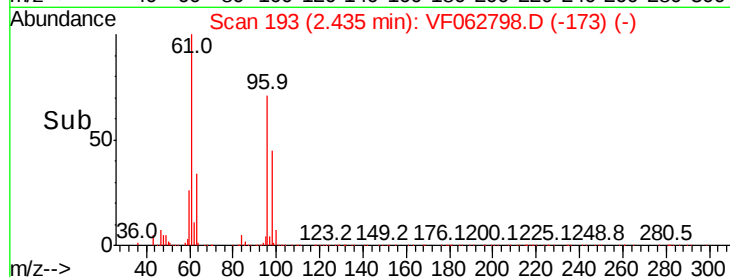
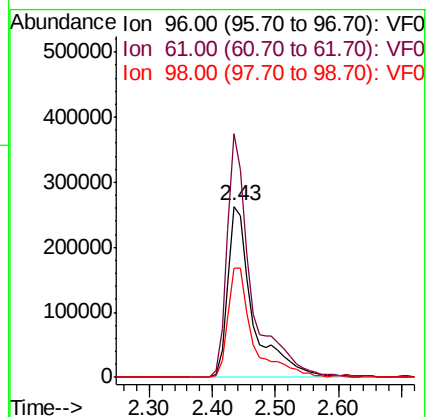
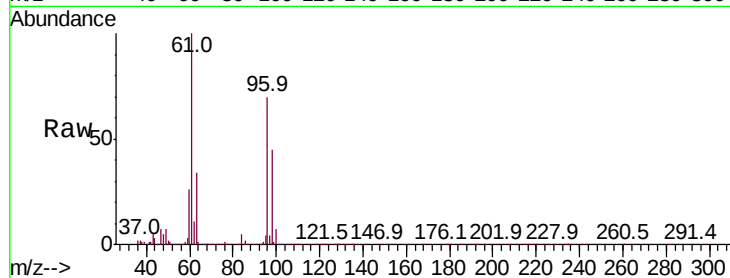
Tot Ion: 96 Resp: 725307

Ion Ratio Lower Upper

96 100

61 142.3 105.0 157.6

98 64.1 51.1 76.7



#22

Diisopropyl ether

Concen: 96.927 ug/l

RT: 2.96 min Scan# 246

Delta R.T. 0.00 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

Tgt Ion: 45 Resp: 1609213

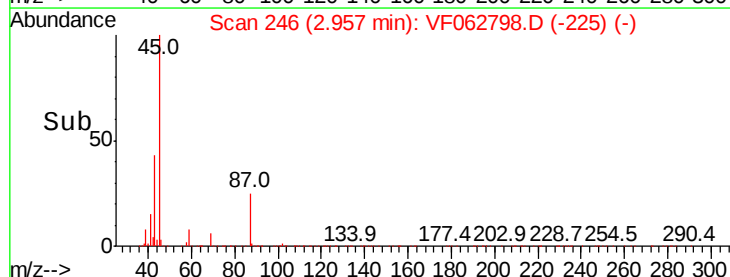
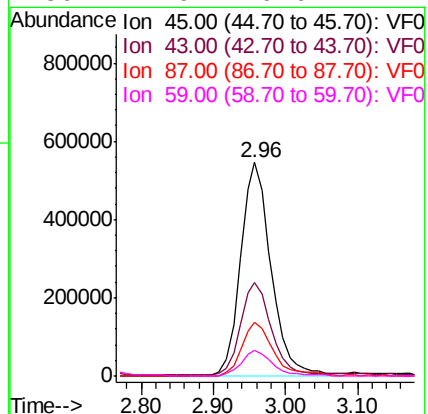
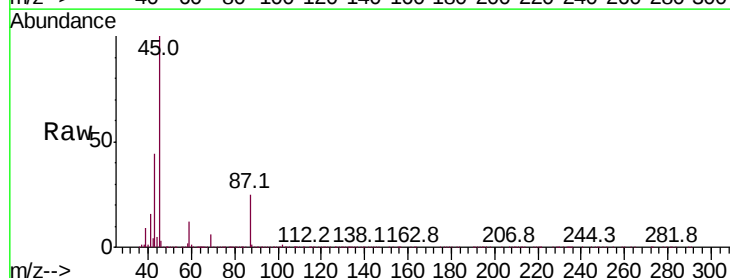
Ion Ratio Lower Upper

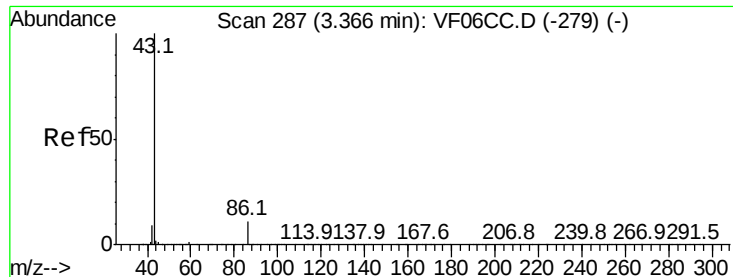
45 100

43 43.7 34.3 51.5

87 25.2 19.0 28.4

59 11.9 9.6 14.4





#23

Vinyl Acetate

Concen: 423.405 ug/l

RT: 3.37 min Scan# 288

Delta R.T. 0.00 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

Instrument :

MSVOA_F

ClientSampleId :

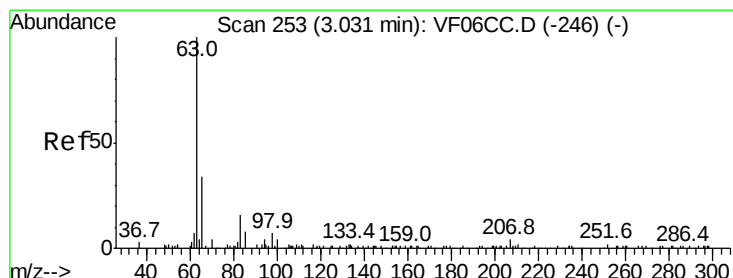
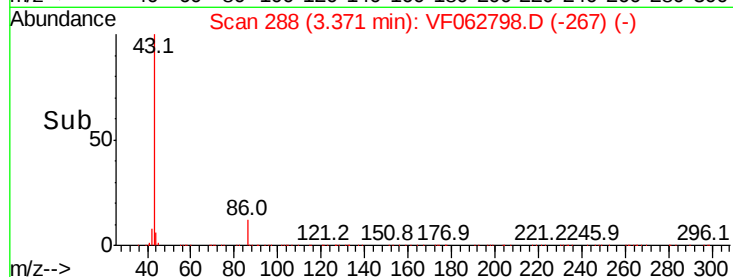
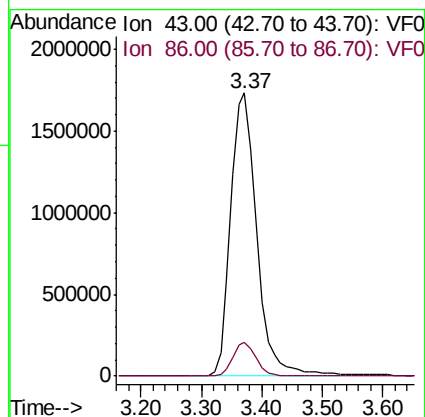
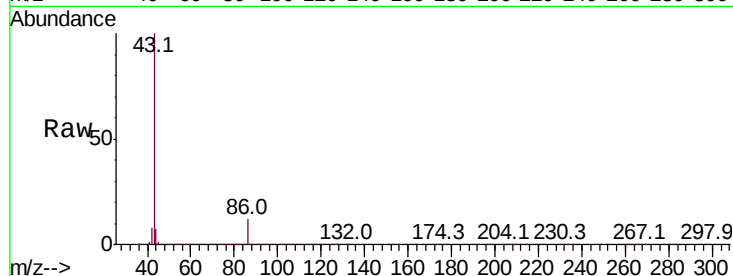
VSTDIC100

Tot Ion: 43 Resp: 5175224

Ion Ratio Lower Upper

43 100

86 12.1 8.2 12.2



#24

1,1-Dichloroethane

Concen: 100.481 ug/l

RT: 3.04 min Scan# 254

Delta R.T. 0.00 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

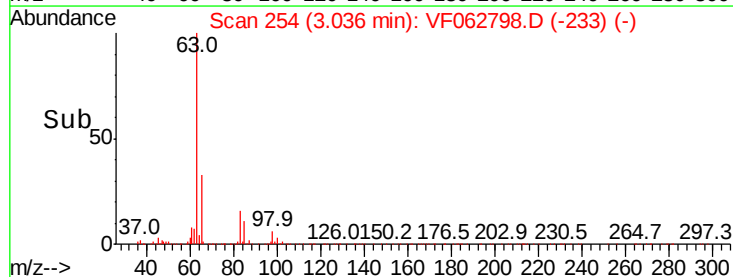
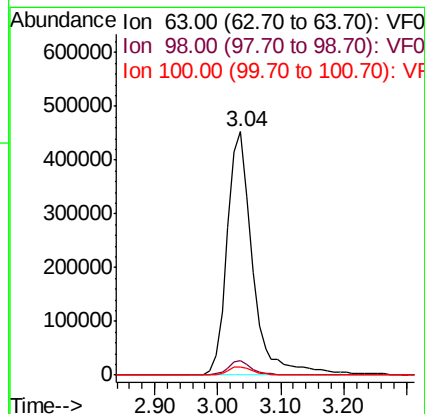
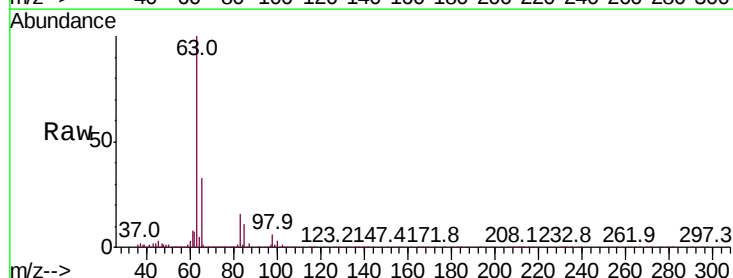
Tgt Ion: 63 Resp: 1264653

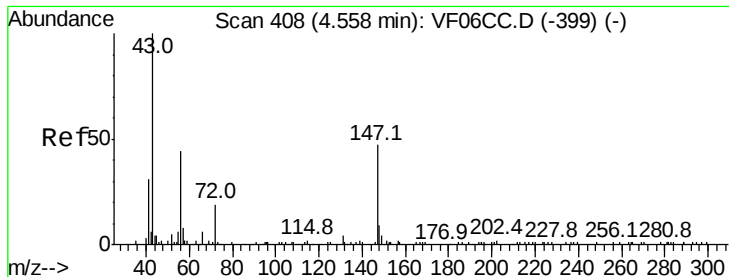
Ion Ratio Lower Upper

63 100

98 5.8 2.4 7.1

100 3.4 1.5 4.5

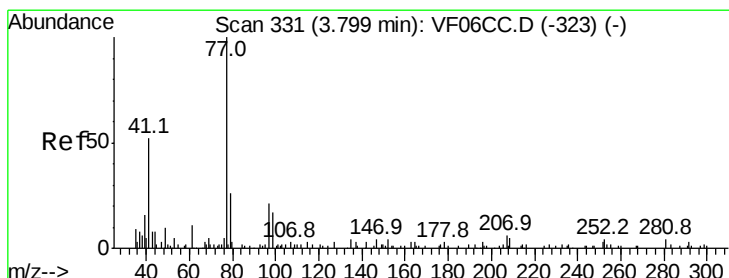
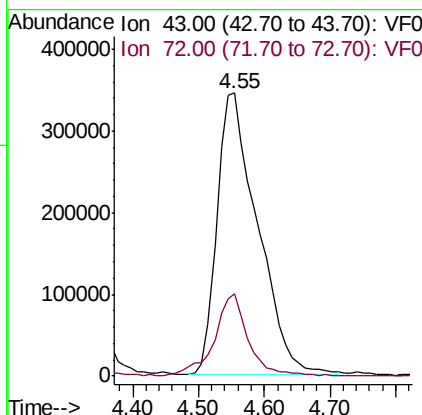
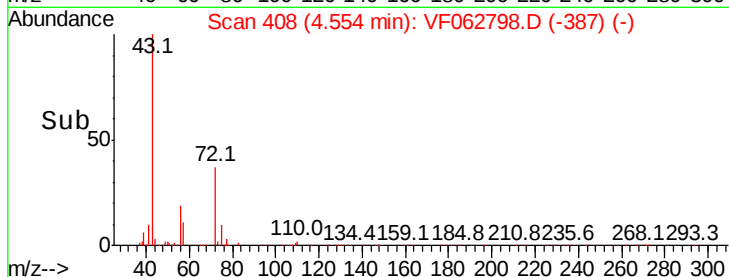
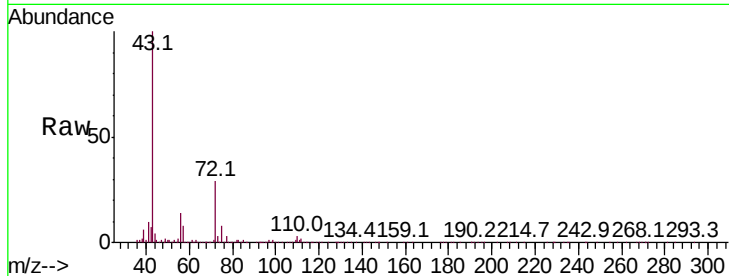




#25
2-Butanone
Concen: 420.988 ug/l
RT: 4.55 min Scan# 408
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

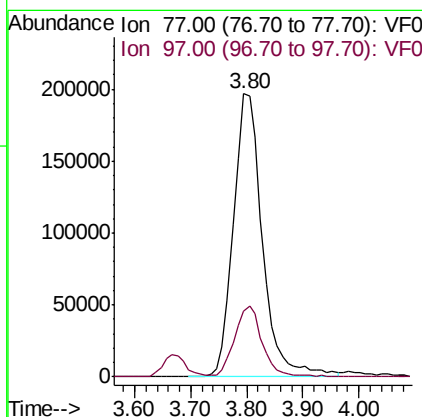
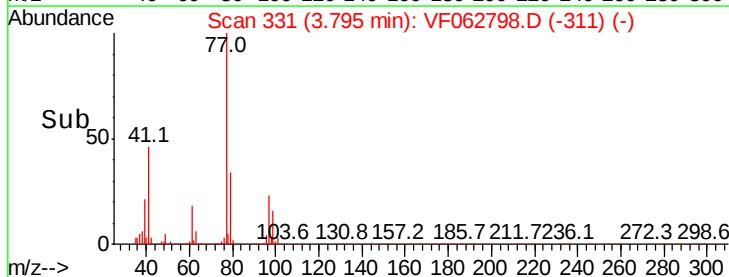
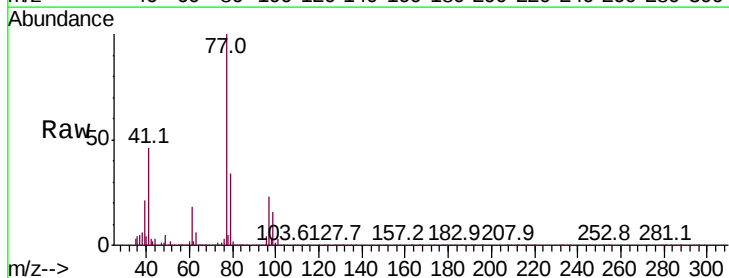
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

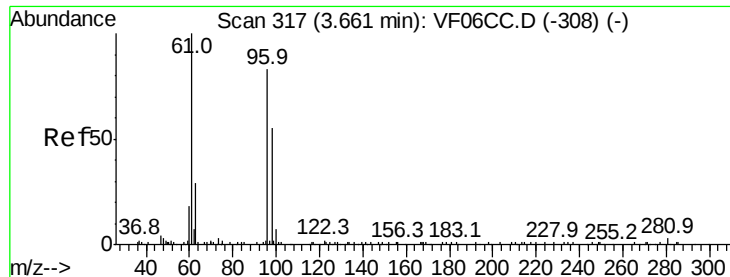
Tot Ion: 43 Resp: 1481927
Ion Ratio Lower Upper
43 100
72 29.1 21.4 32.0



#26
2,2-Dichloropropane
Concen: 94.857 ug/l
RT: 3.80 min Scan# 331
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 77 Resp: 705791
Ion Ratio Lower Upper
77 100
97 23.2 12.4 37.4



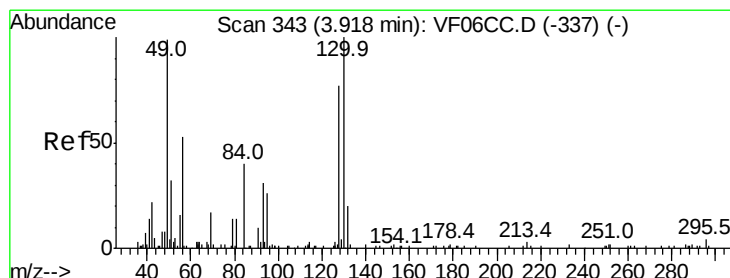
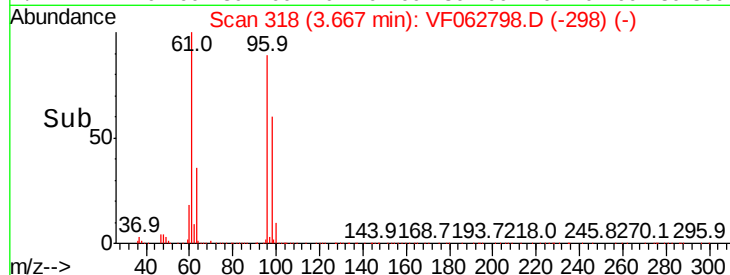
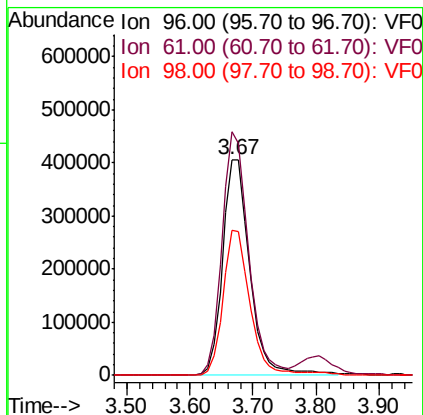
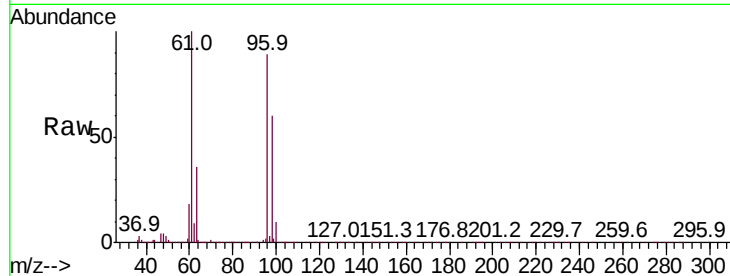


#27

cis-1,2-Dichloroethene
Concen: 93.150 ug/l
RT: 3.67 min Scan# 318
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

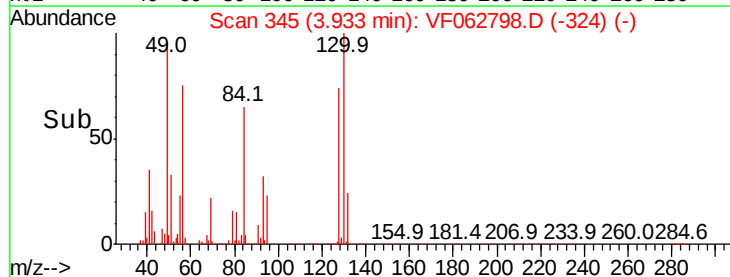
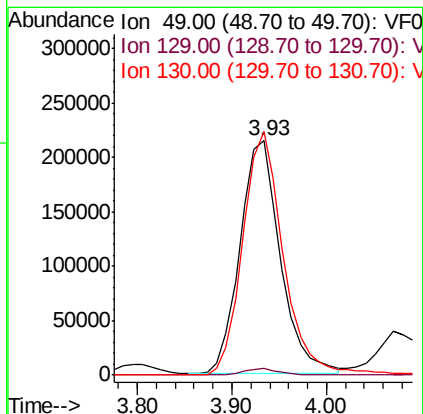
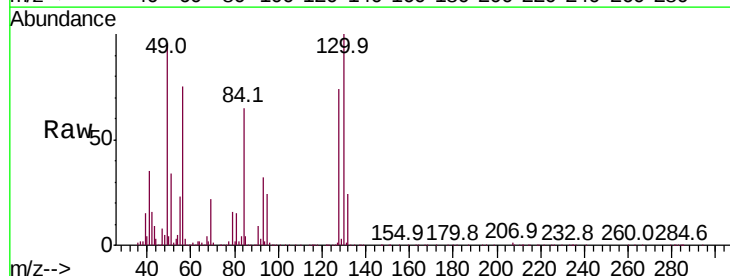
Tot Ion: 96 Resp: 1212904
Ion Ratio Lower Upper
96 100
61 112.7 0.0 213.8
98 67.0 0.0 127.0

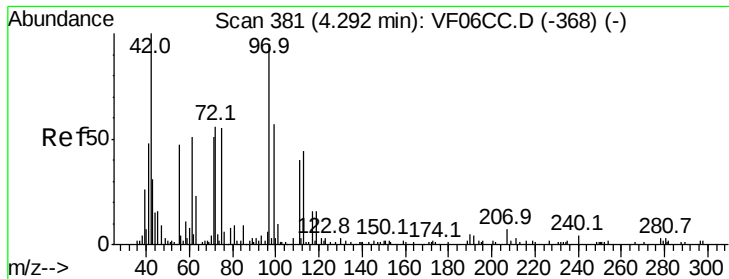


#28

Bromochloromethane
Concen: 89.190 ug/l
RT: 3.93 min Scan# 345
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 49 Resp: 637285
Ion Ratio Lower Upper
49 100
129 3.0 0.0 5.4
130 103.9 79.2 118.8

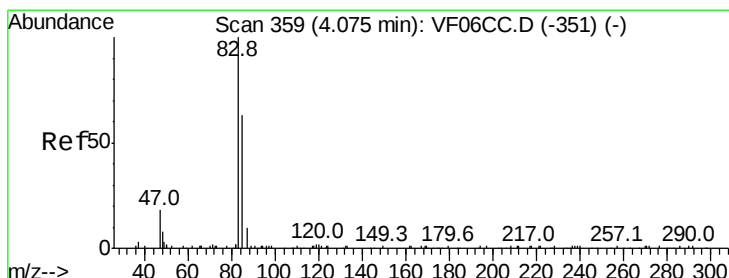
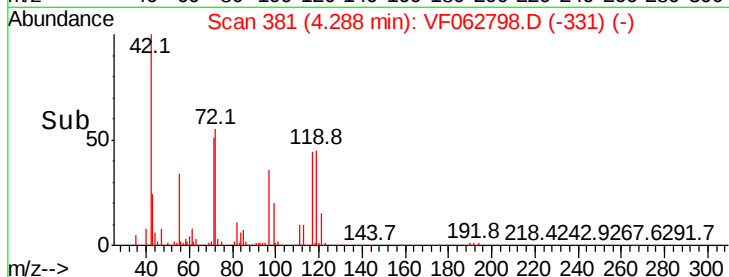
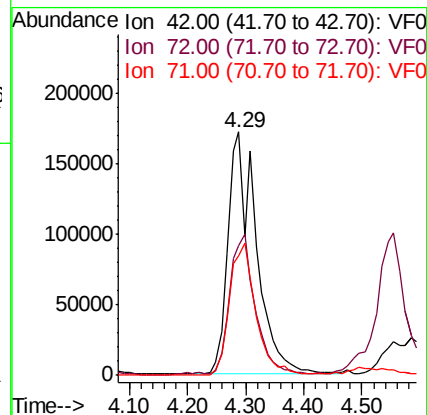
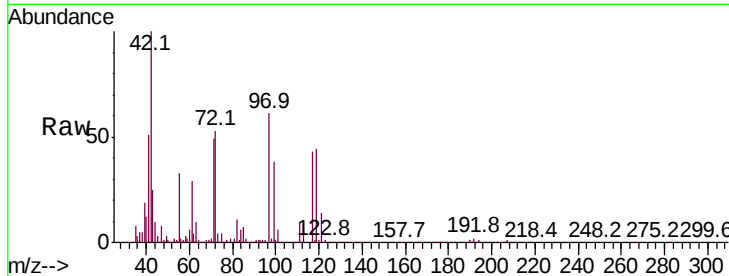




#29
Tetrahydrofuran
Concen: 445.314 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

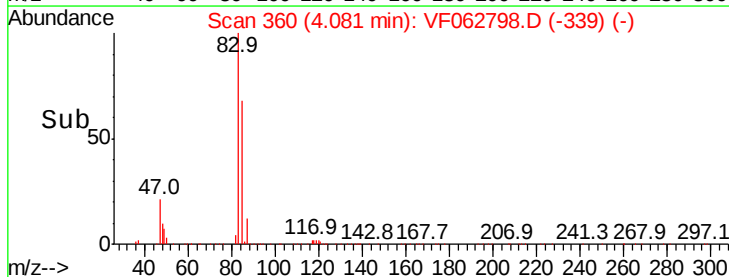
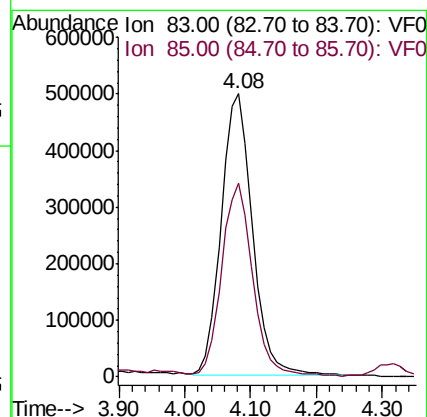
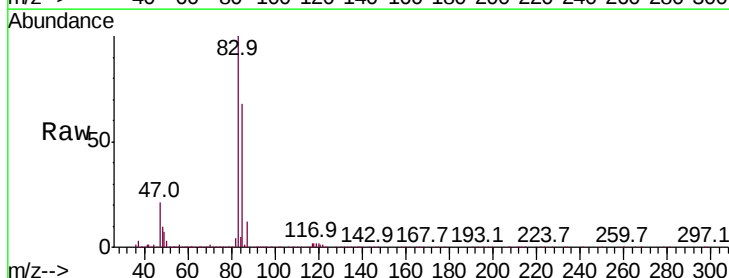
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

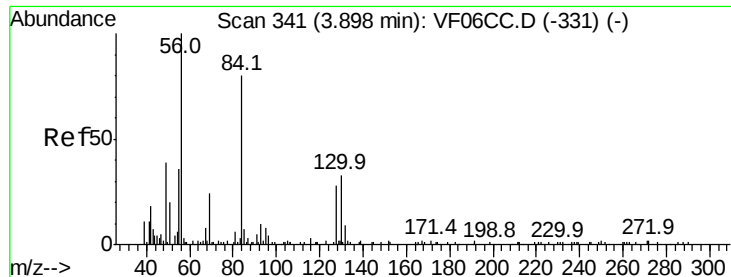
Tot Ion: 42 Resp: 579132
Ion Ratio Lower Upper
42 100
72 53.4 39.0 58.6
71 51.0 36.9 55.3



#30
Chloroform
Concen: 88.939 ug/l
RT: 4.08 min Scan# 360
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 83 Resp: 1637139
Ion Ratio Lower Upper
83 100
85 68.4 55.0 82.6

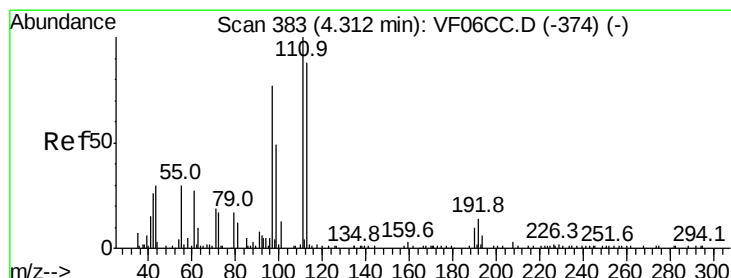
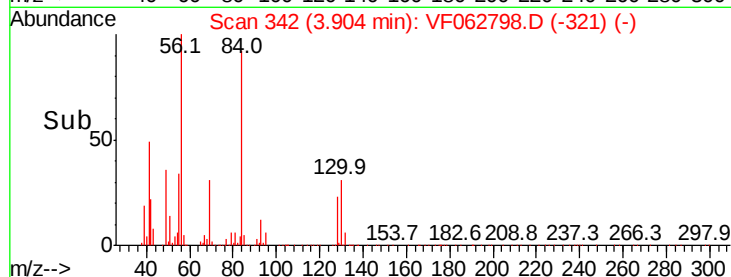
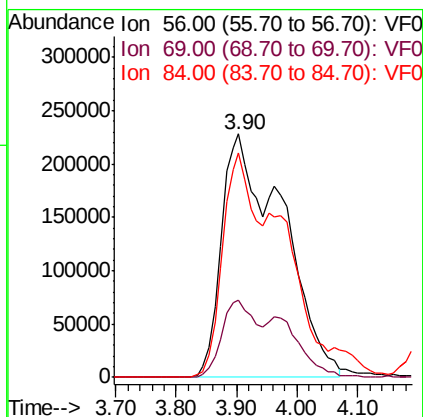
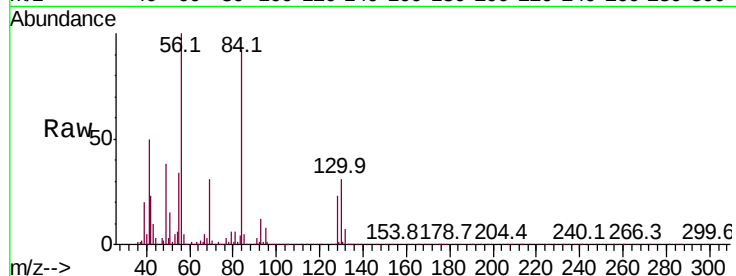




#31
Cvclohexane
Concen: 91.160 ug/l m
RT: 3.90 min Scan# 342
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

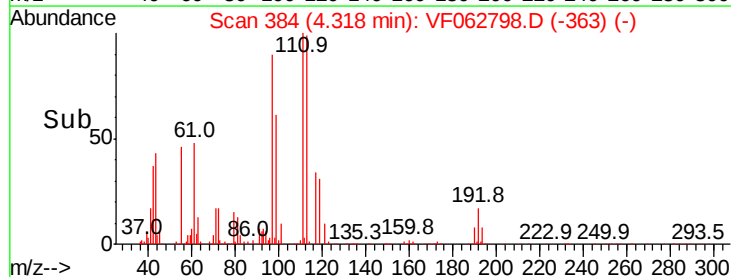
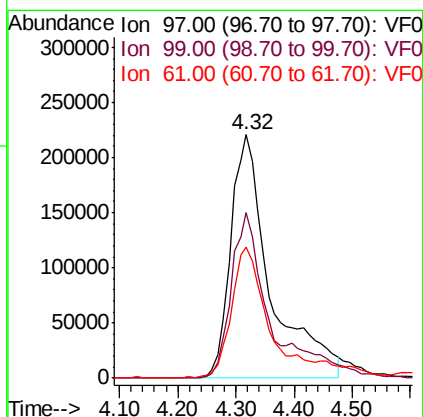
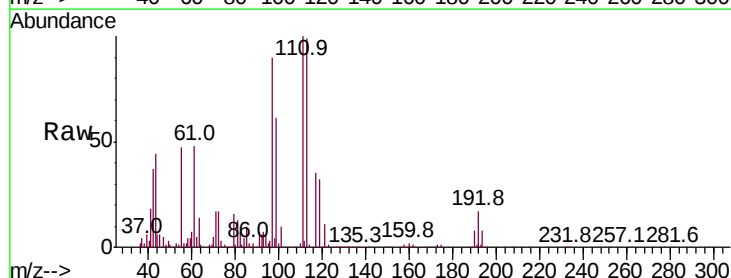
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

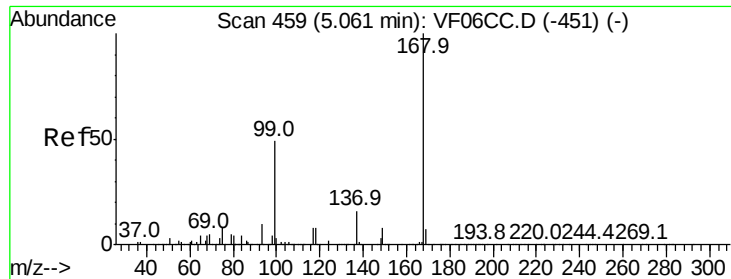
Tot Ion: 56 Resp: 1594753
Ion Ratio Lower Upper
56 100
69 31.5 26.7 40.1
84 92.4 74.3 111.5



#32
1,1,1-Trichloroethane
Concen: 103.197 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 97 Resp: 1050330
Ion Ratio Lower Upper
97 100
99 68.2 51.7 77.5
61 53.8 38.9 58.3





#33

1,2-Dichloroethane-d4

Concen: 97.106 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.00 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

Instrument :

MSVOA_F

ClientSampleId :

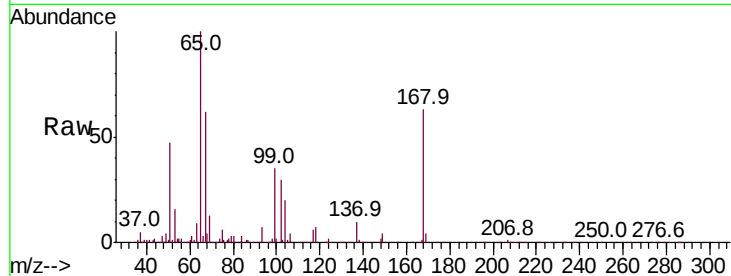
VSTDIC100

Tot Ion: 65 Resp: 618693

Ion Ratio Lower Upper

65 100

67 61.8 0.0 121.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

250000

200000

150000

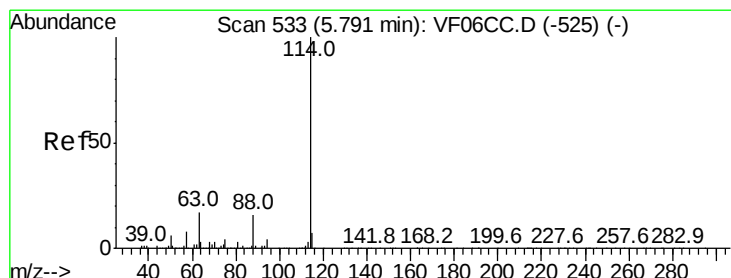
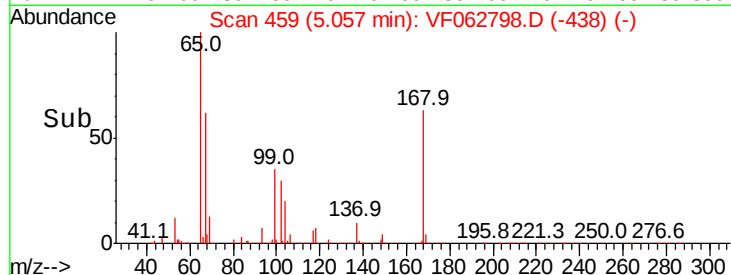
100000

50000

0

4.95 5.00 5.05 5.10 5.15

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 534

Delta R.T. -0.01 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

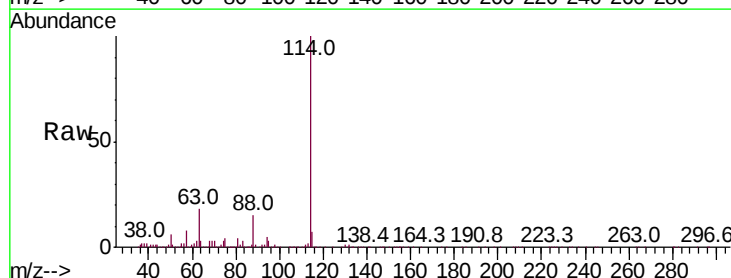
Tgt Ion: 114 Resp: 1504989

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.2

88 15.4 0.0 31.2



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

600000

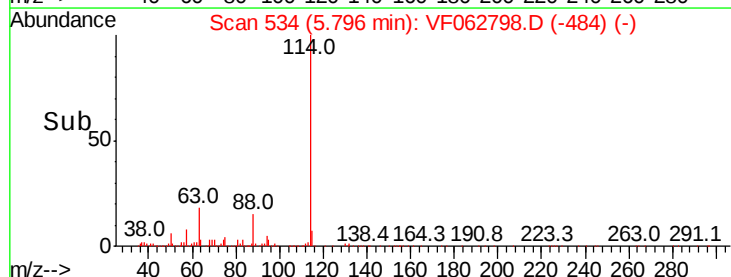
400000

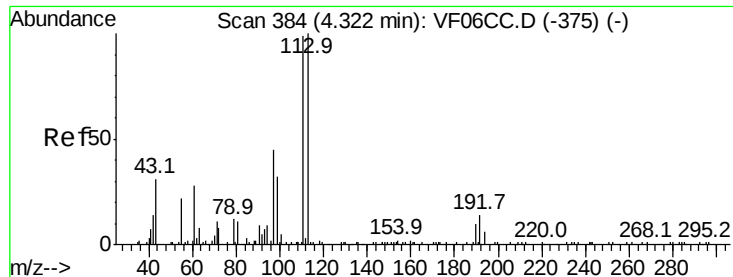
200000

0

5.60 5.80 6.00

Time-->





#35

Dibromofluoromethane

Concen: 92.620 ug/l

RT: 4.34 min Scan# 386

Delta R.T. 0.00 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

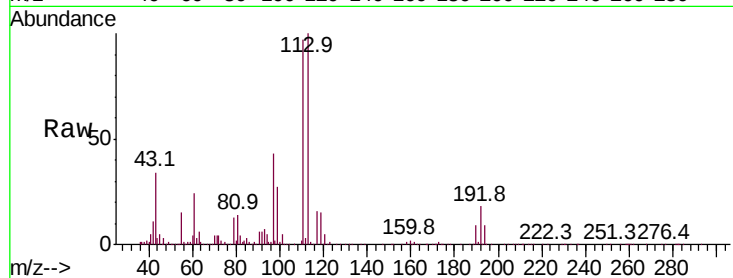
Tot Ion:113 Resp: 1082982

Ion Ratio Lower Upper

113 100

111 96.7 81.9 122.9

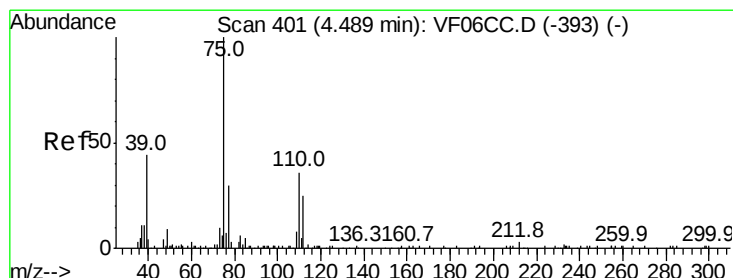
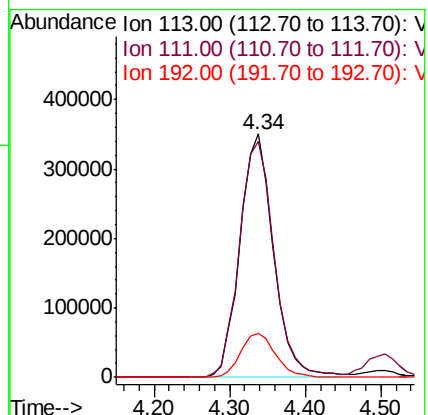
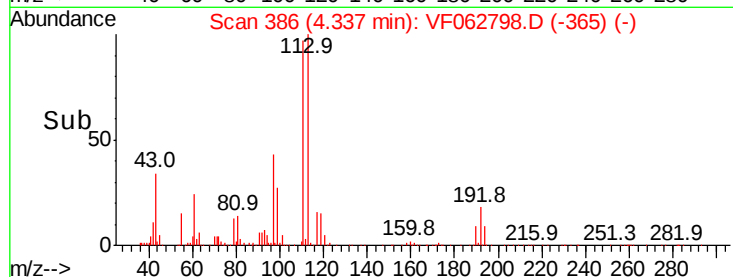
192 17.8 15.1 22.7



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 92.683 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

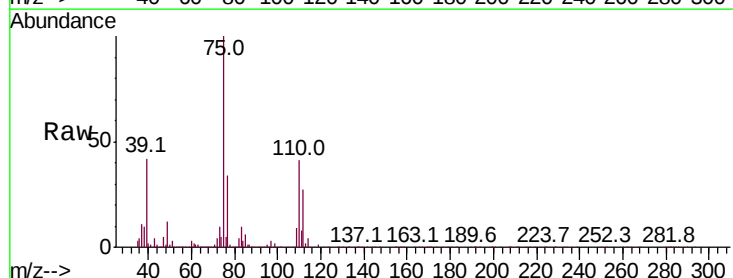
Tgt Ion: 75 Resp: 1359882

Ion Ratio Lower Upper

75 100

110 40.9 19.4 58.1

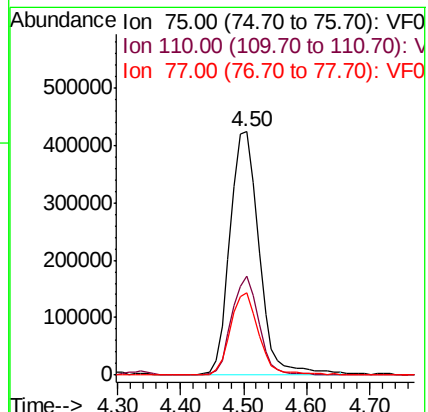
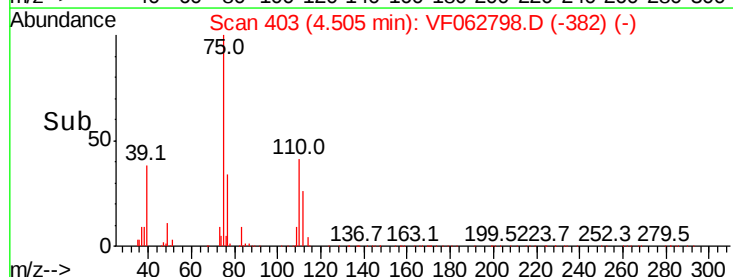
77 33.8 25.4 38.2

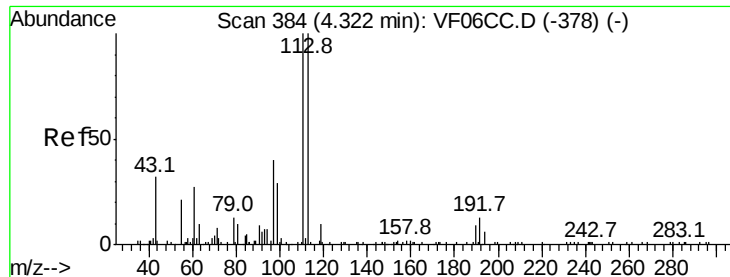


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 86.199 ug/l

RT: 4.33 min Scan# 385

Delta R.T. -0.01 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

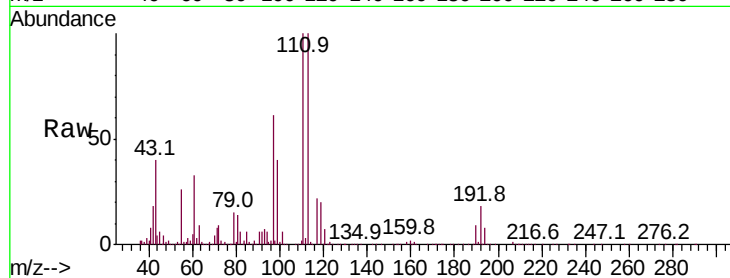
Tot Ion: 43 Resp: 509701

Ion Ratio Lower Upper

43 100

61 83.2 59.1 88.7

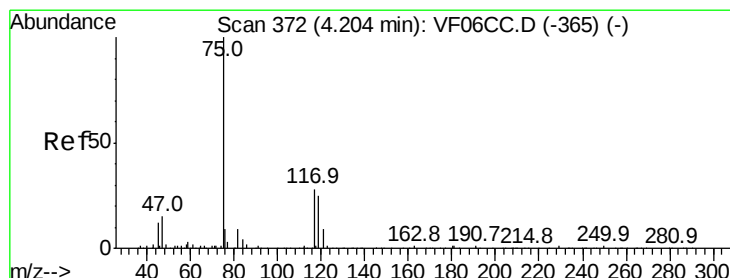
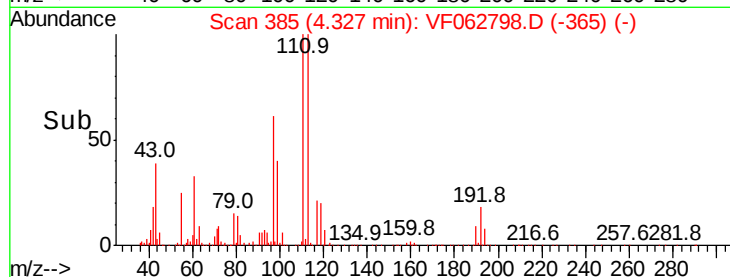
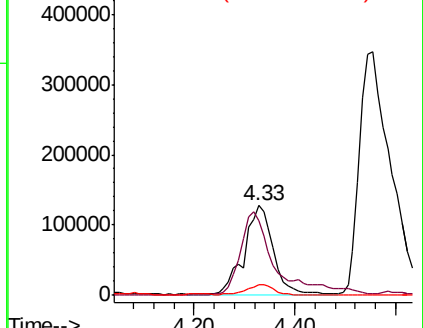
70 11.3 10.1 15.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 91.299 ug/l

RT: 4.21 min Scan# 373

Delta R.T. 0.00 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

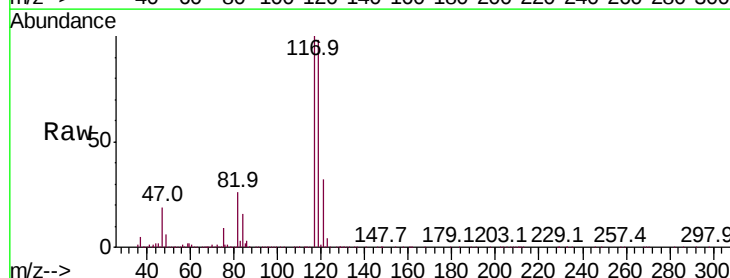
Tgt Ion: 117 Resp: 896497

Ion Ratio Lower Upper

117 100

119 98.0 78.2 117.2

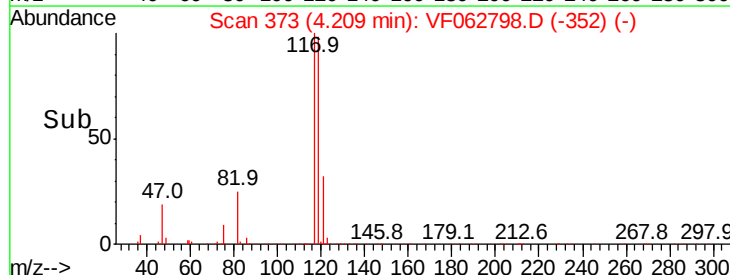
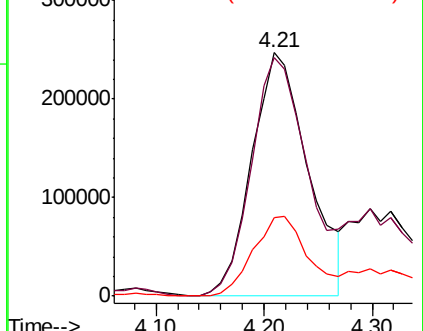
121 32.2 28.2 42.2

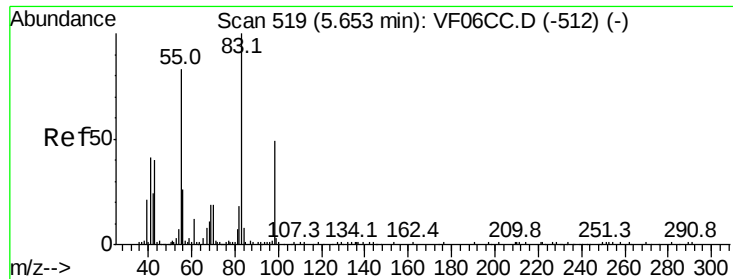


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

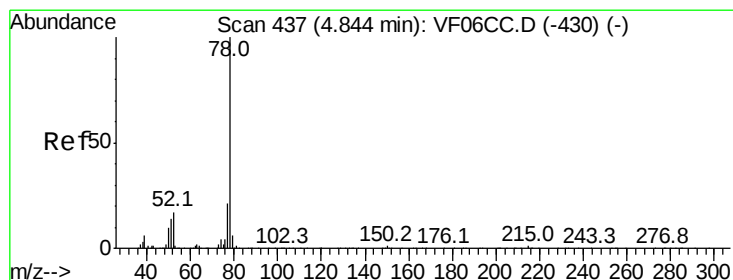
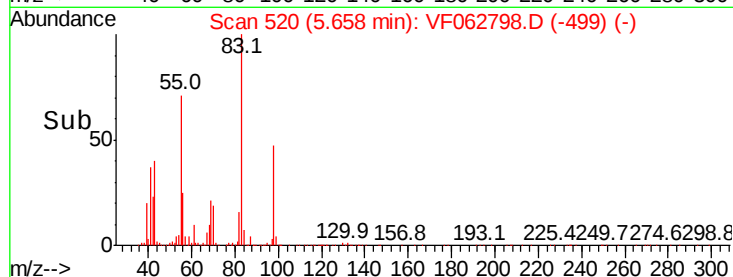
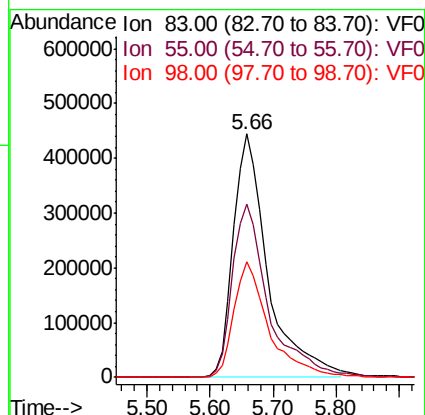
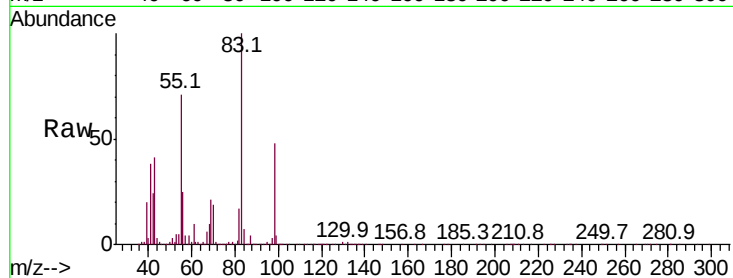




#39
Methvlcvclohexane
Concen: 94.450 ug/l
RT: 5.66 min Scan# 520
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

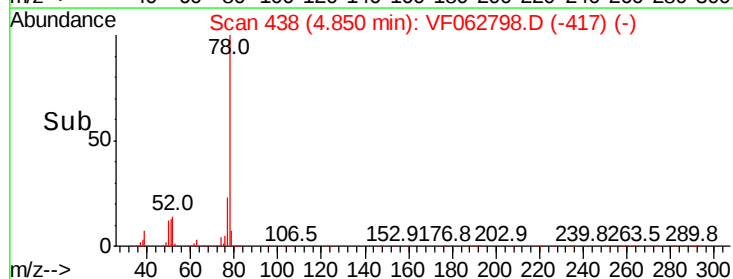
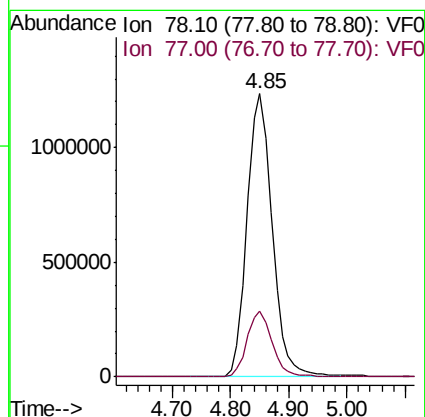
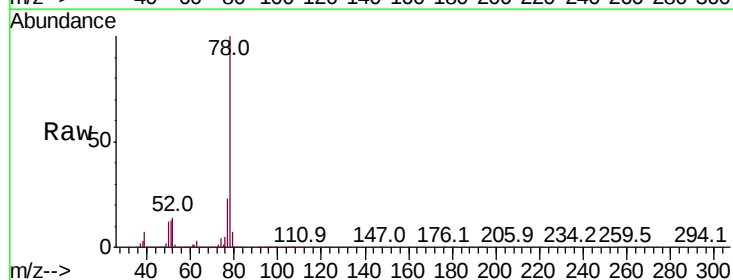
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

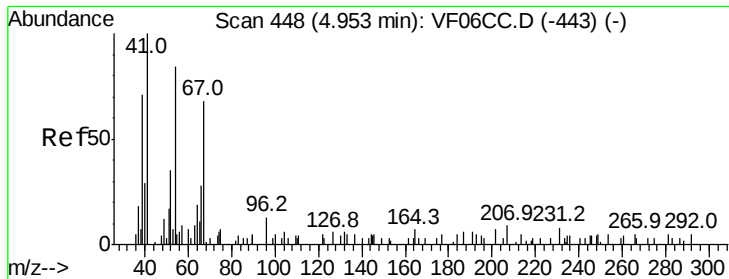
Tot Ion: 83 Resp: 1689595
Ion Ratio Lower Upper
83 100
55 71.2 61.6 92.4
98 47.5 37.4 56.2



#40
Benzene
Concen: 86.226 ug/l
RT: 4.85 min Scan# 438
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 78 Resp: 3732548
Ion Ratio Lower Upper
78 100
77 23.3 18.9 28.3

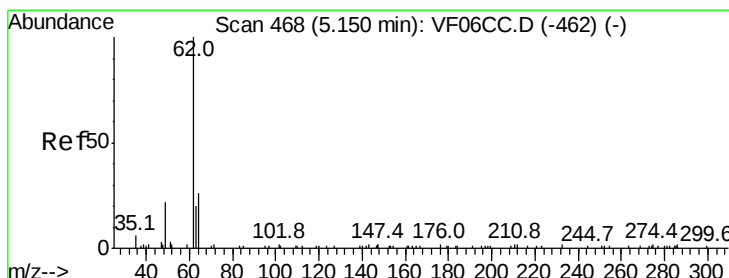
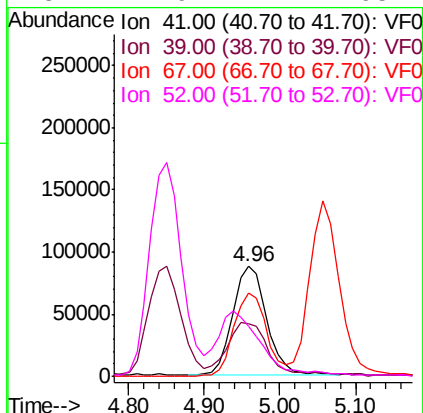
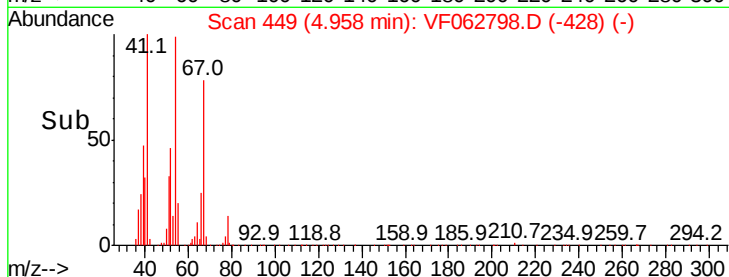
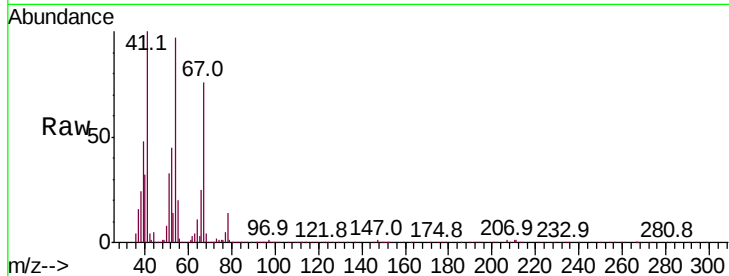




#41
Methacrylonitrile
Concen: 84.091 ug/l
RT: 4.96 min Scan# 449
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

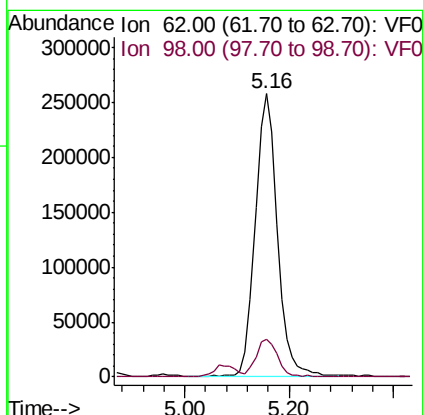
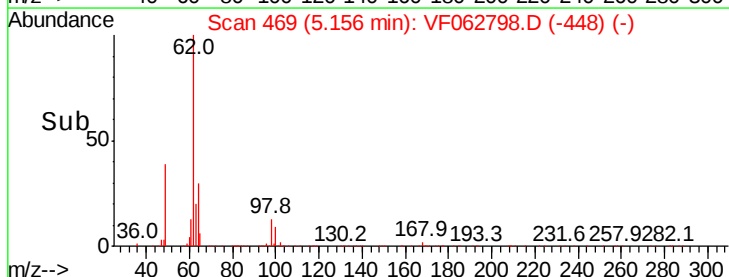
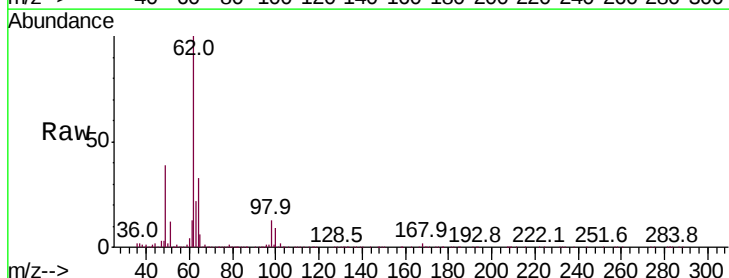
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

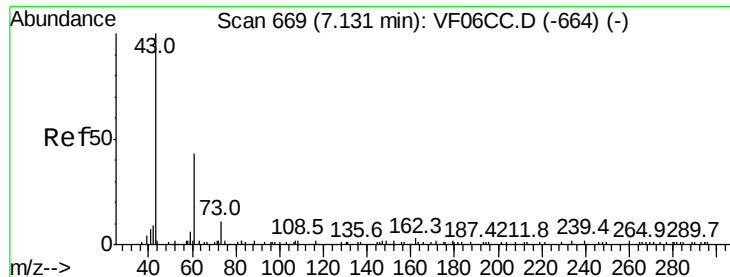
Tot Ion:	41	Resp:	270064
Ion	Ratio	Lower	Upper
41	100		
39	47.8	42.0	63.0
67	76.3	61.4	92.0
52	44.9	42.1	63.1



#42
1,2-Dichloroethane
Concen: 92.861 ug/l
RT: 5.16 min Scan# 469
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion:	62	Resp:	747084
Ion	Ratio	Lower	Upper
62	100		
98	13.4	0.0	24.0



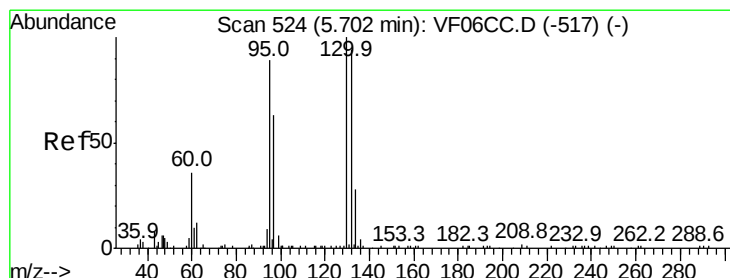
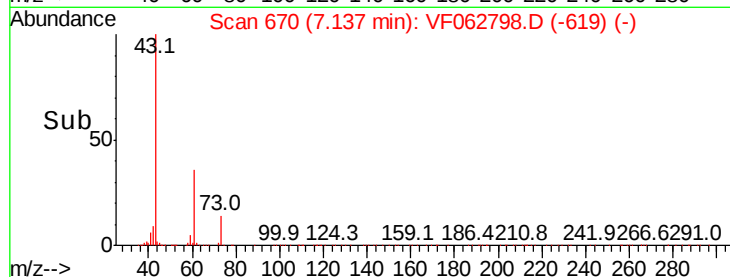
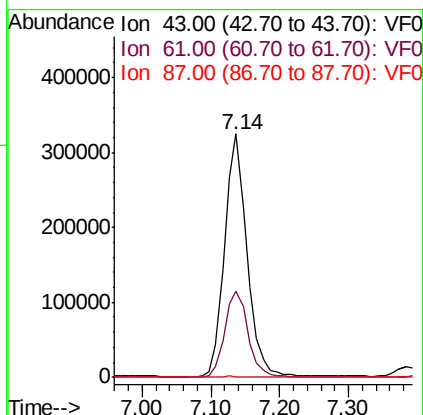
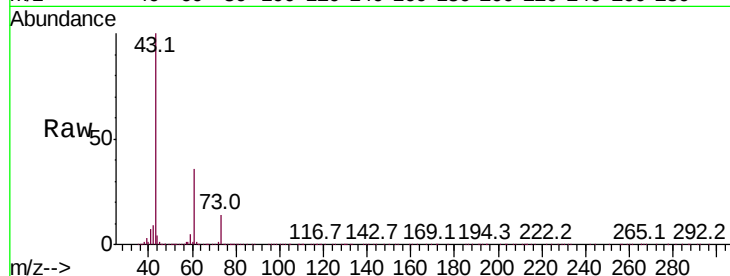


#43

Isopropyl Acetate
 Concen: 98.974 ug/l
 RT: 7.14 min Scan# 670
 Delta R.T. 0.00 min
 Lab File: VF062798.D
 Acq: 30 May 2019 16:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

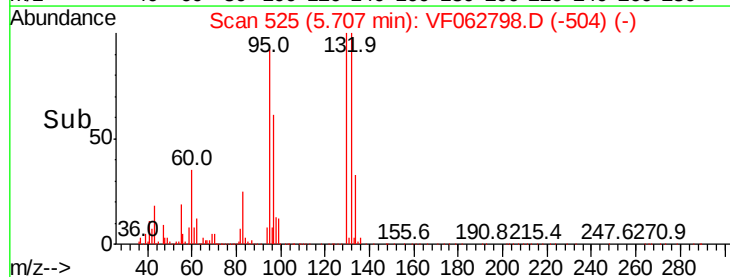
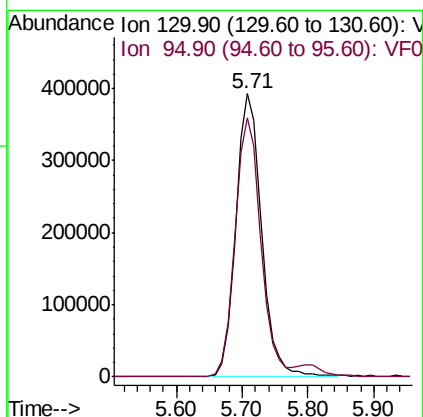
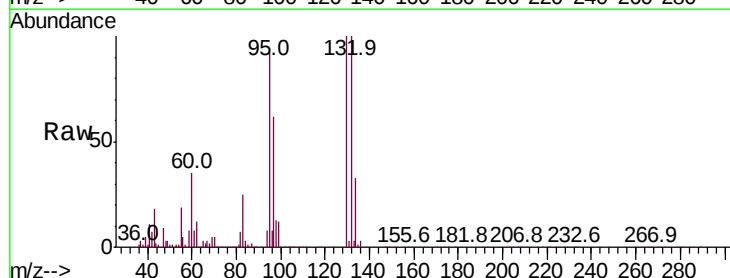
Tot Ion: 43 Resp: 725353
 Ion Ratio Lower Upper
 43 100
 61 35.6 29.8 44.6
 87 0.4 0.3 0.5

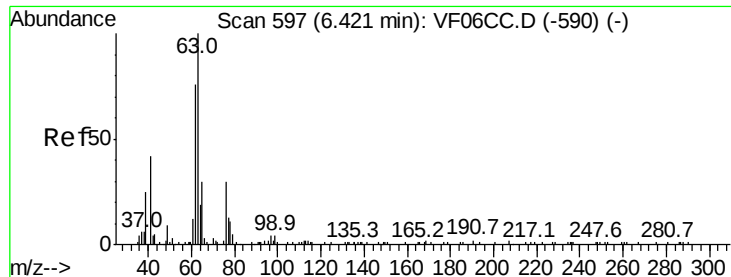


#44

Trichloroethene
 Concen: 88.952 ug/l
 RT: 5.71 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: VF062798.D
 Acq: 30 May 2019 16:27

Tgt Ion: 130 Resp: 1078745
 Ion Ratio Lower Upper
 130 100
 95 91.7 0.0 188.2





#45

1,2-Dichloropropane

Concen: 93.847 ug/l

RT: 6.43 min Scan# 598

Delta R.T. -0.01 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

Instrument :

MSVOA_F

ClientSampleId :

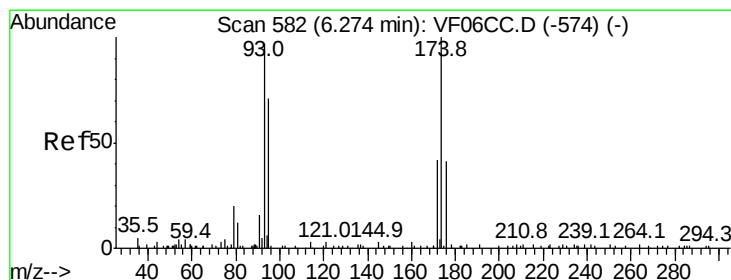
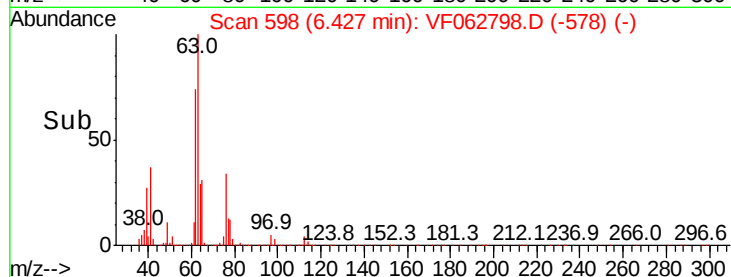
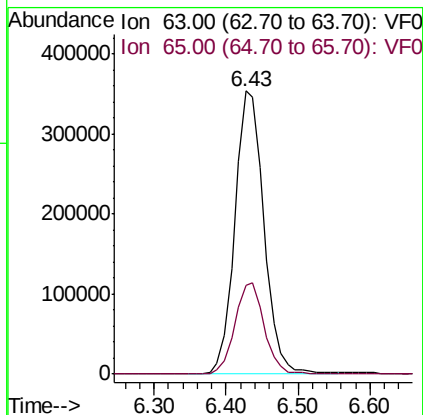
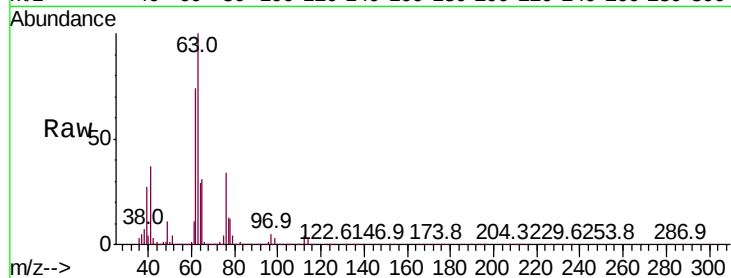
VSTDIC100

Tot Ion: 63 Resp: 1000281

Ion Ratio Lower Upper

63 100

65 31.5 24.2 36.2



#46

Dibromomethane

Concen: 91.713 ug/l

RT: 6.29 min Scan# 584

Delta R.T. 0.00 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

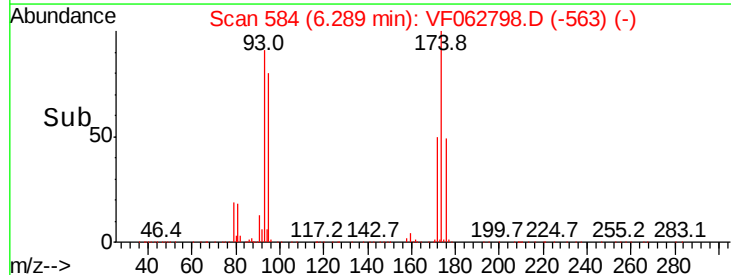
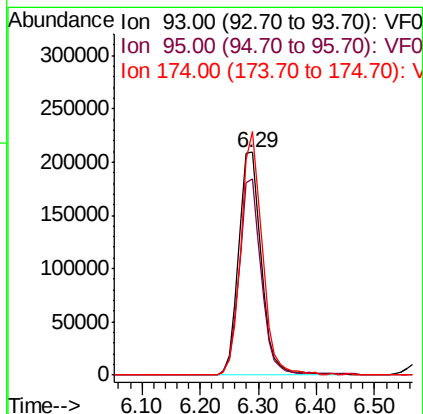
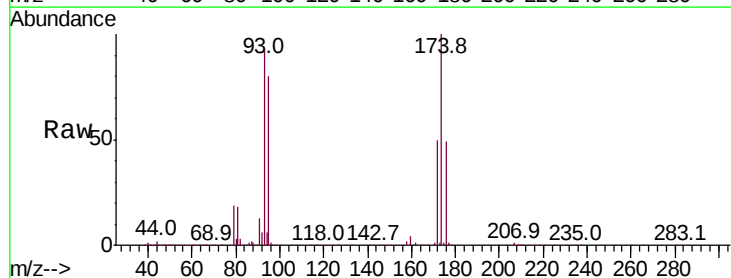
Tgt Ion: 93 Resp: 568260

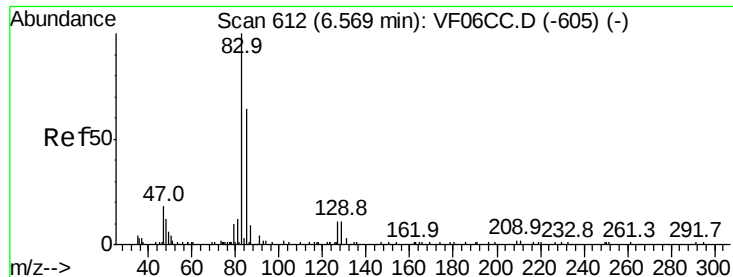
Ion Ratio Lower Upper

93 100

95 87.9 67.9 101.9

174 109.2 85.0 127.4





#47

Bromodichloromethane

Concen: 91.796 ug/l

RT: 6.57 min Scan# 613

Delta R.T. -0.01 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

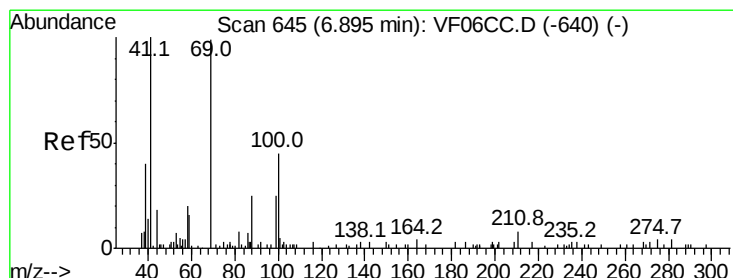
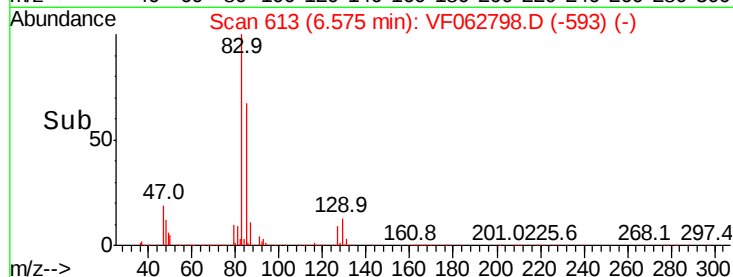
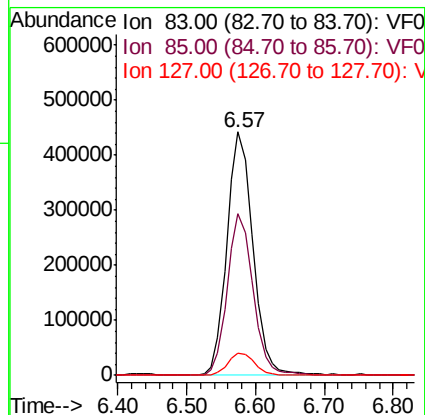
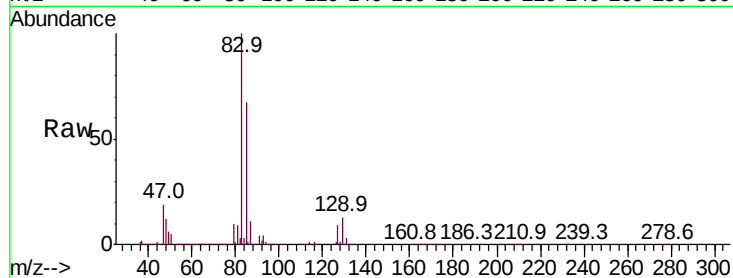
Tot Ion: 83 Resp: 1158728

Ion Ratio Lower Upper

83 100

85 66.6 54.2 81.4

127 9.1 7.0 10.4



#48

Methyl methacrylate

Concen: 106.554 ug/l

RT: 6.90 min Scan# 646

Delta R.T. 0.00 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

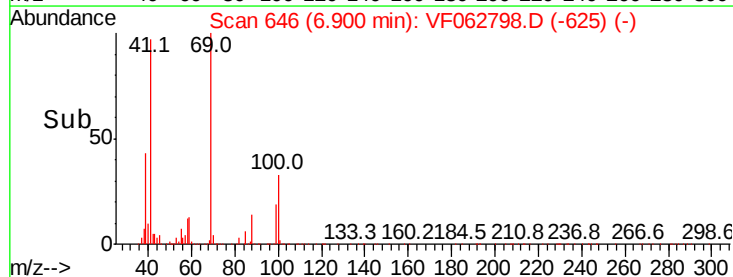
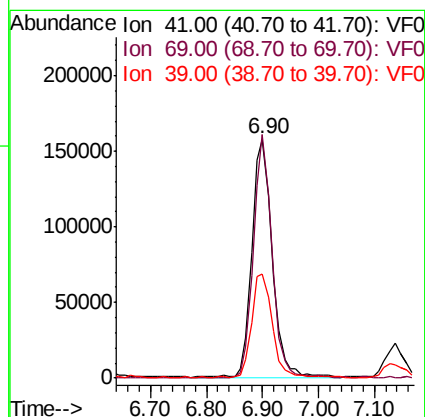
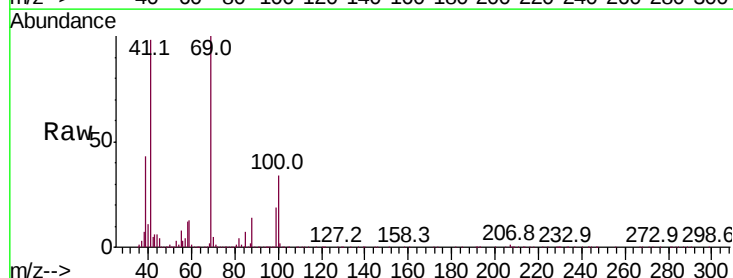
Tgt Ion: 41 Resp: 398079

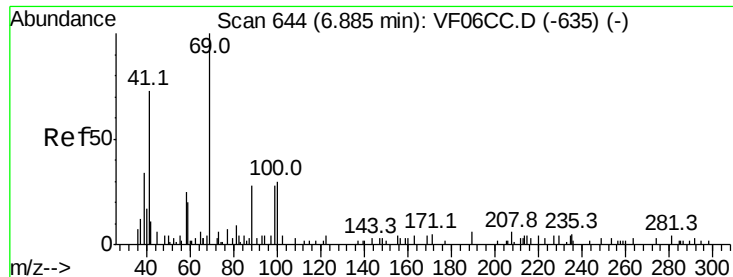
Ion Ratio Lower Upper

41 100

69 101.9 79.4 119.2

39 43.8 39.8 59.6





#49

1,4-Dioxane

Concen: 2228.769 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.00 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

Instrument :

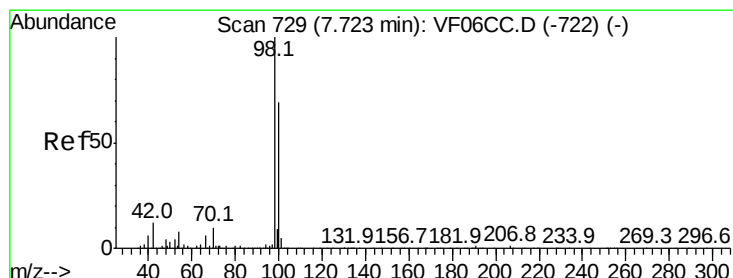
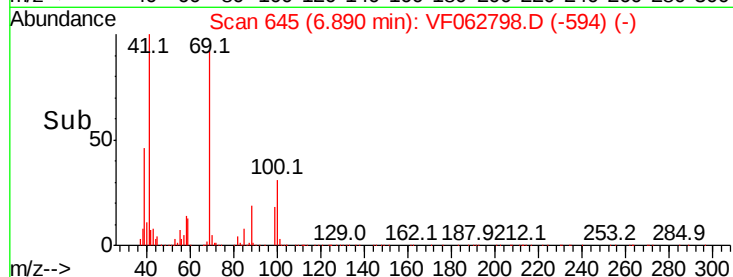
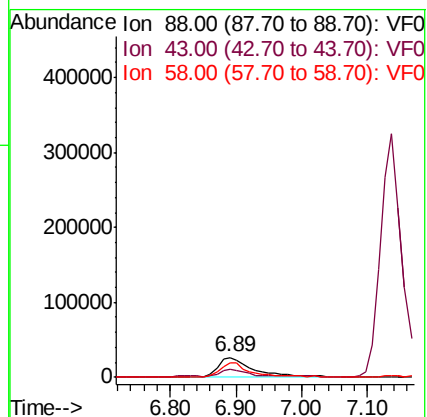
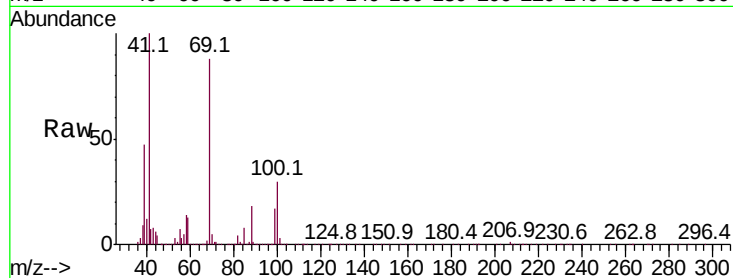
MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 88 Resp: 100427

Ion	Ratio	Lower	Upper
88	100		
43	43.1	34.8	52.2
58	73.4	59.9	89.9



#50

Toluene-d8

Concen: 88.293 ug/l

RT: 7.73 min Scan# 730

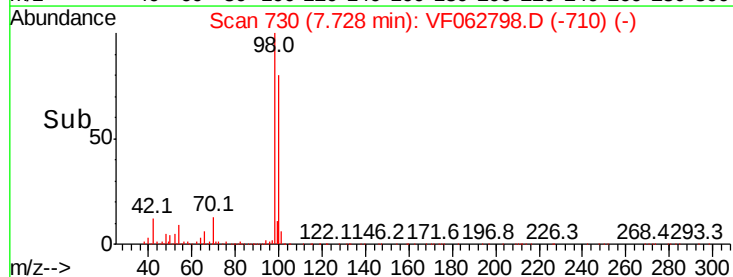
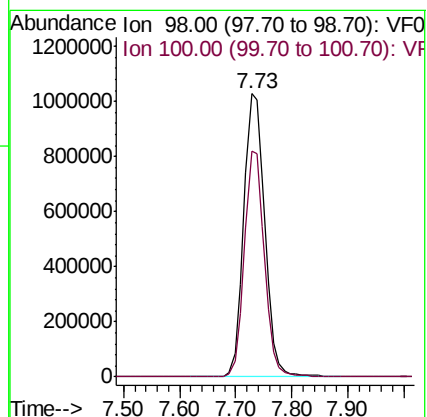
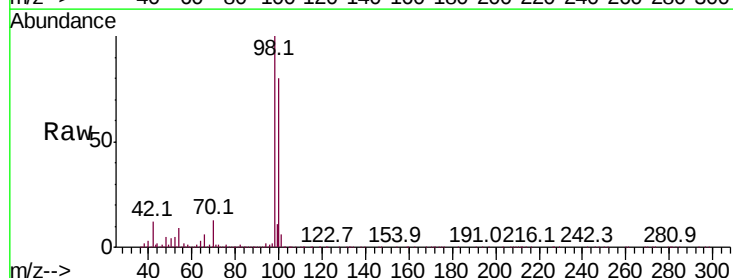
Delta R.T. -0.01 min

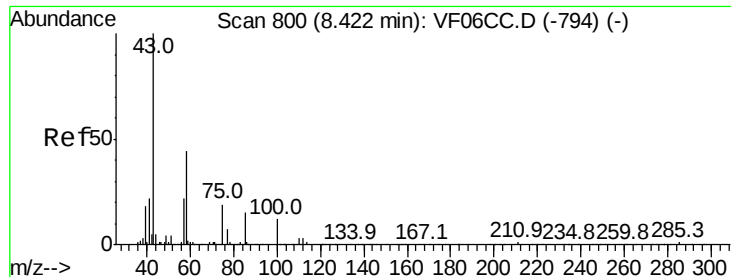
Lab File: VF062798.D

Acq: 30 May 2019 16:27

Tgt Ion: 98 Resp: 2679198

Ion	Ratio	Lower	Upper
98	100		
100	79.6	59.8	89.8





#51

4-Methyl-2-Pentanone

Concen: 411.919 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

Instrument :

MSVOA_F

ClientSampleId :

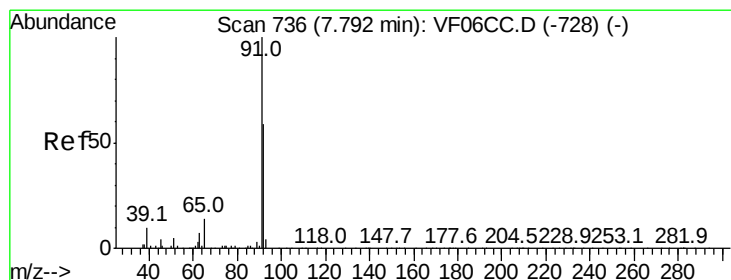
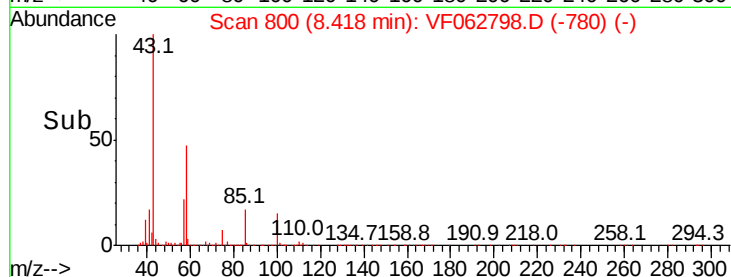
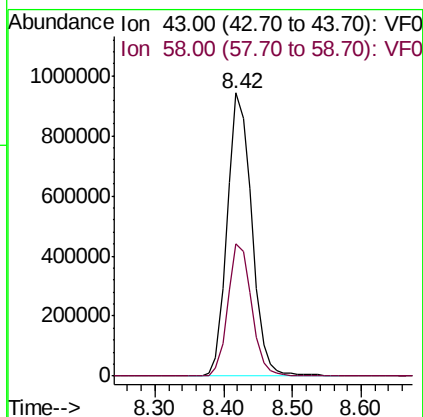
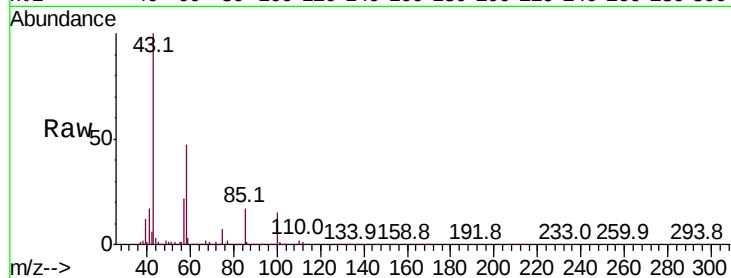
VSTDIC100

Tot Ion: 43 Resp: 2322023

Ion Ratio Lower Upper

43 100

58 46.6 35.5 53.3



#52

Toluene

Concen: 92.833 ug/l

RT: 7.80 min Scan# 737

Delta R.T. -0.01 min

Lab File: VF062798.D

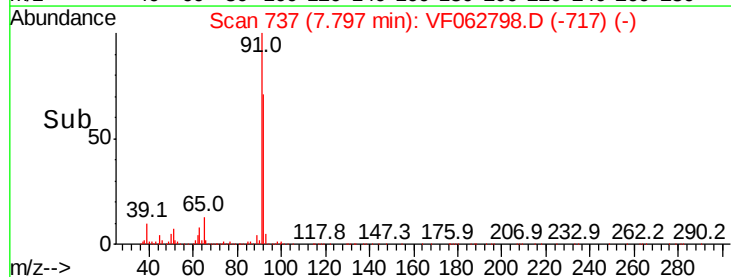
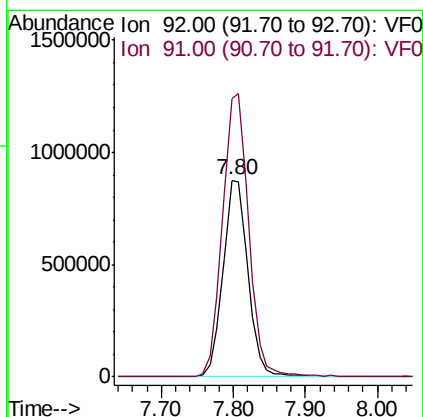
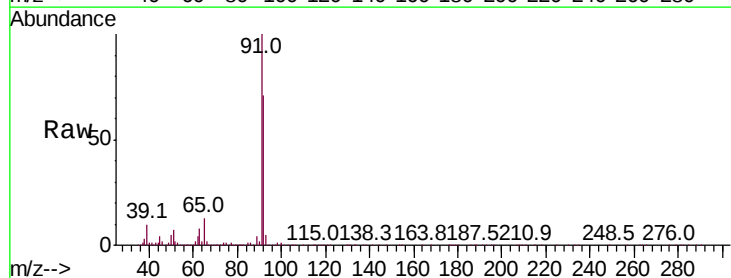
Acq: 30 May 2019 16:27

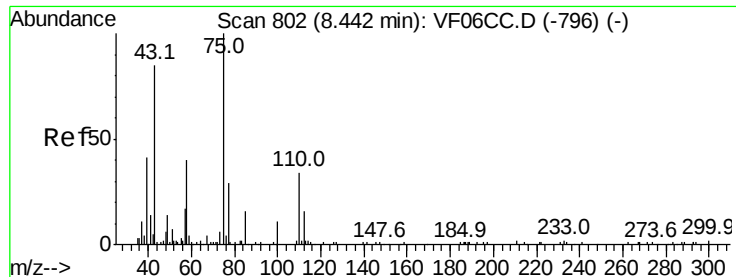
Tgt Ion: 92 Resp: 2103199

Ion Ratio Lower Upper

92 100

91 141.6 123.2 184.8

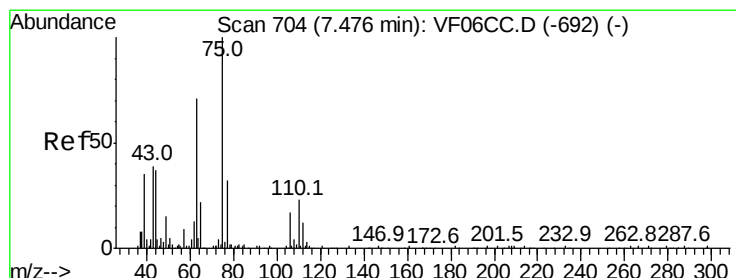
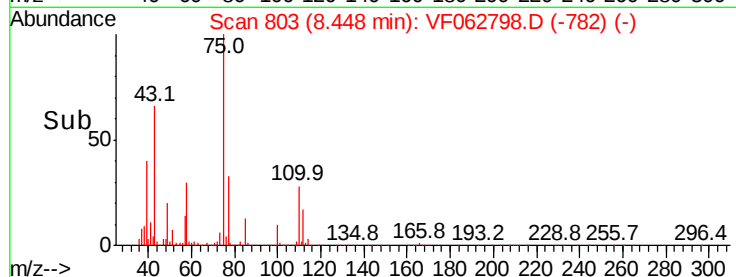
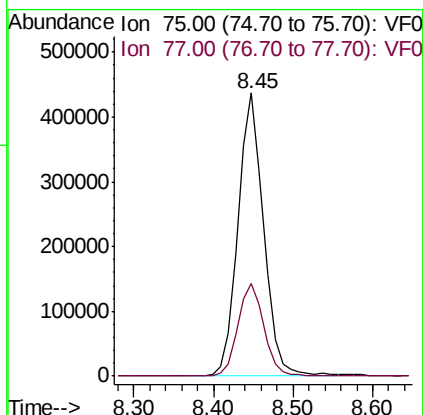
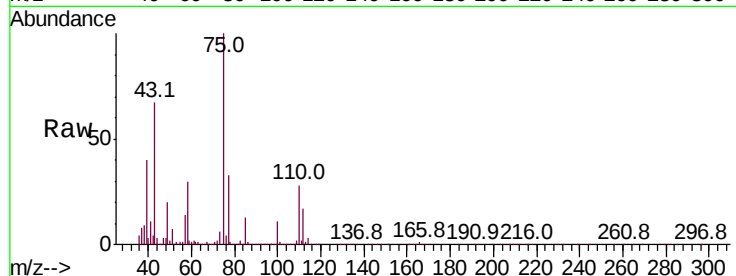




#53
t-1,3-Dichloropropene
Concen: 93.067 ug/l
RT: 8.45 min Scan# 803
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

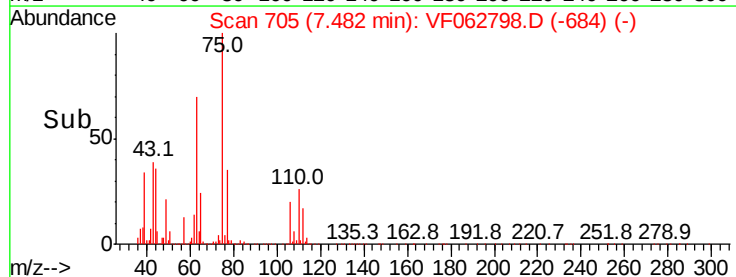
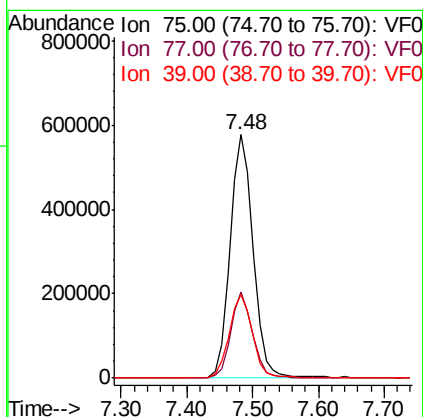
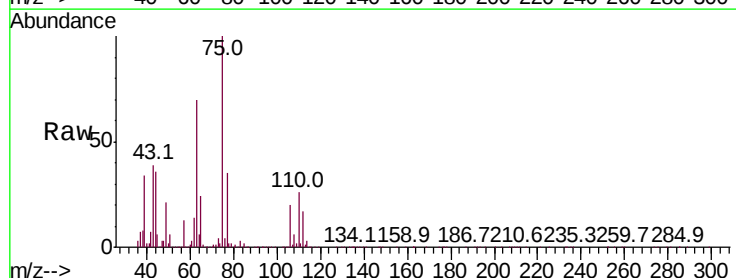
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

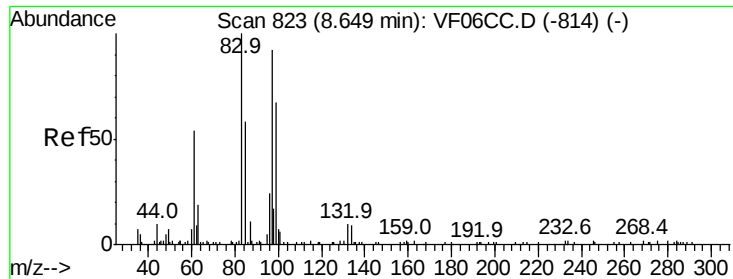
Tot Ion: 75 Resp: 972488
Ion Ratio Lower Upper
75 100
77 32.8 25.7 38.5



#54
cis-1,3-Dichloropropene
Concen: 93.883 ug/l
RT: 7.48 min Scan# 705
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 75 Resp: 1419885
Ion Ratio Lower Upper
75 100
77 35.3 25.8 38.8
39 34.5 28.4 42.6





#55

1,1,2-Trichloroethane

Concen: 92.021 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.00 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 97 Resp: 638197

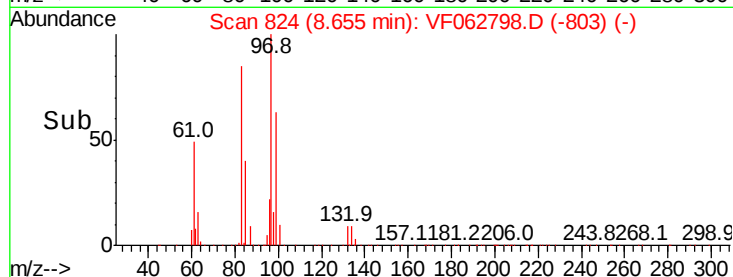
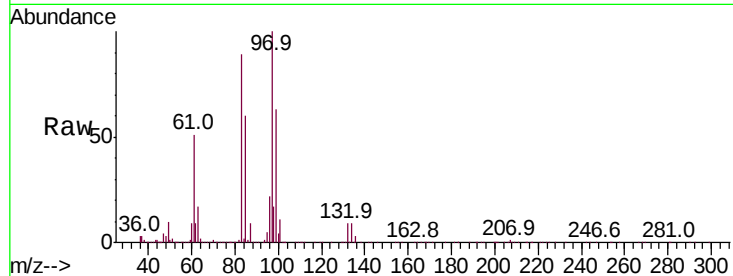
Ion	Ratio	Lower	Upper
97	100		
83	88.9	72.0	108.0
85	60.3	47.5	71.3
99	63.4	54.1	81.1

97 100

83 88.9 72.0 108.0

85 60.3 47.5 71.3

99 63.4 54.1 81.1

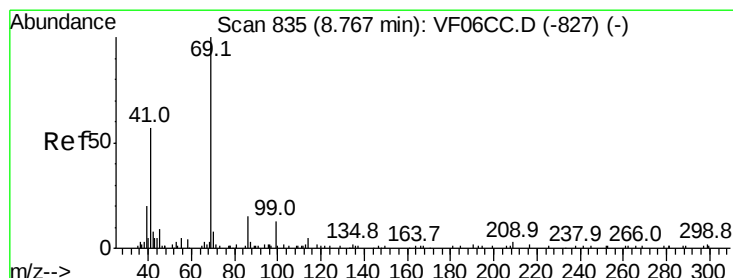
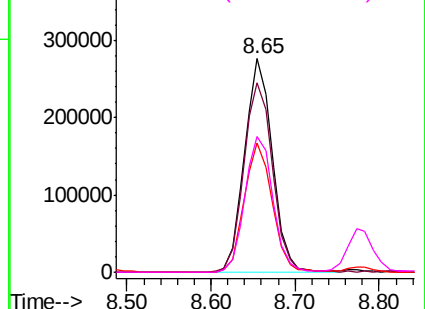


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 100.692 ug/l

RT: 8.77 min Scan# 836

Delta R.T. -0.01 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

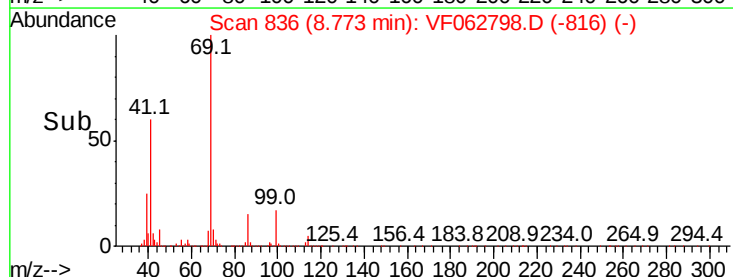
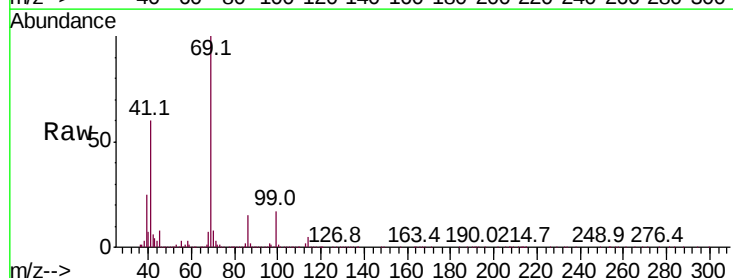
Tgt Ion: 69 Resp: 716361

Ion	Ratio	Lower	Upper
69	100		
41	60.1	46.6	69.8
39	25.4	19.6	29.4

69 100

41 60.1 46.6 69.8

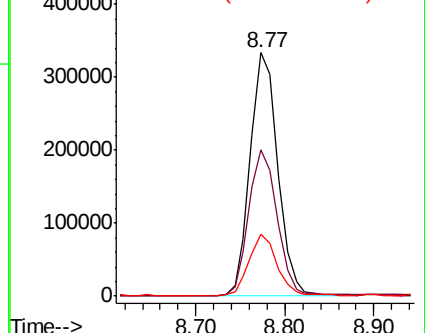
39 25.4 19.6 29.4

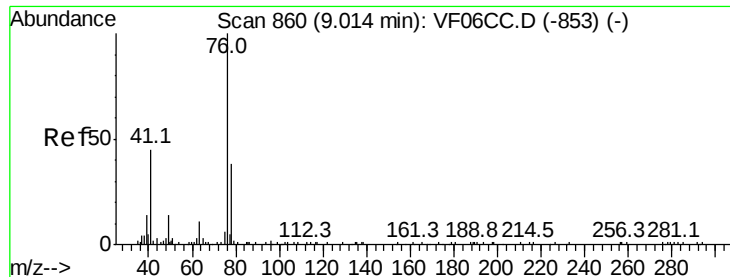


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 96.401 ug/l

RT: 9.02 min Scan# 861

Delta R.T. 0.00 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

Instrument :

MSVOA_F

ClientSampleId :

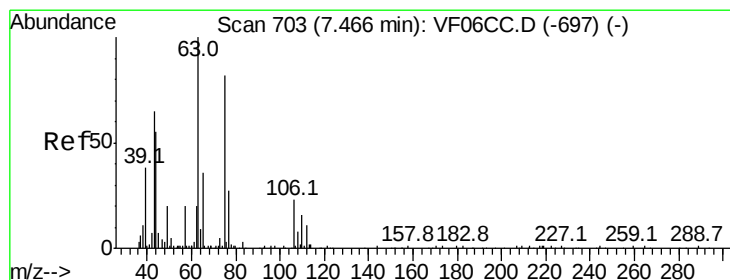
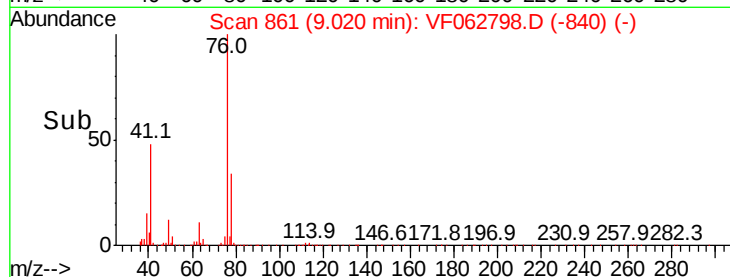
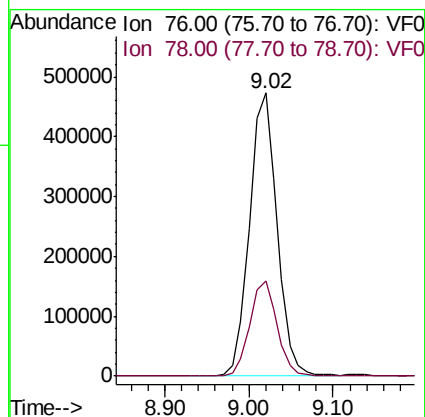
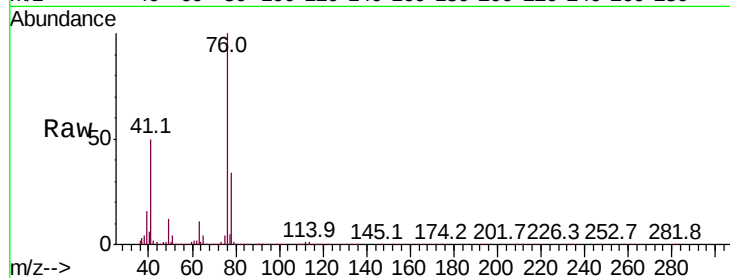
VSTDIC100

Tot Ion: 76 Resp: 1087749

Ion Ratio Lower Upper

76 100

78 33.6 26.8 40.2



#58

2-Chloroethyl Vinyl ether

Concen: 464.625 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF062798.D

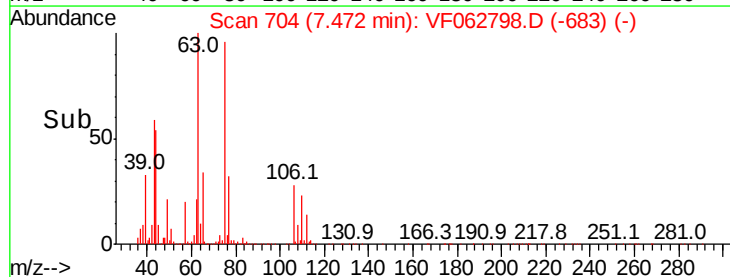
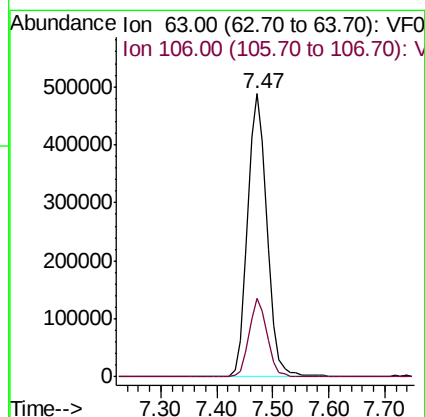
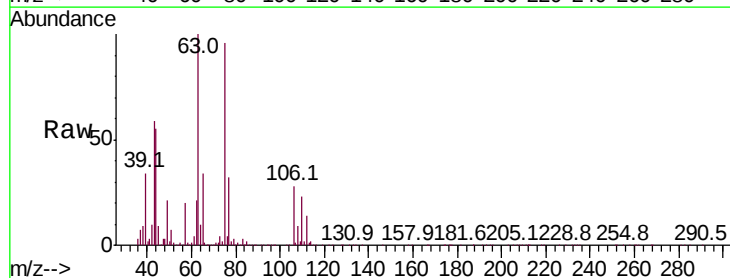
Acq: 30 May 2019 16:27

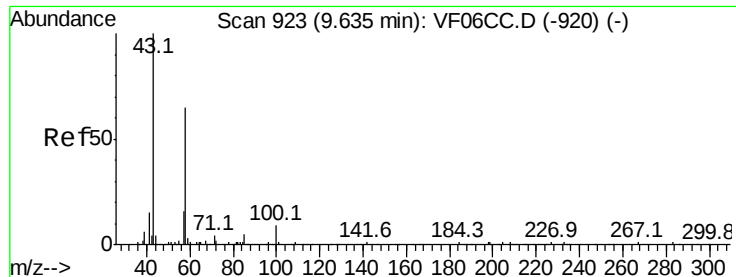
Tgt Ion: 63 Resp: 1170630

Ion Ratio Lower Upper

63 100

106 27.6 19.5 29.3

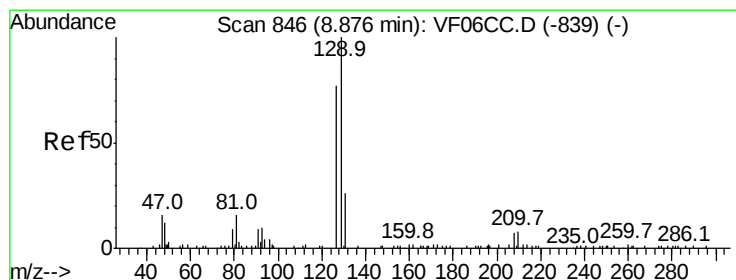
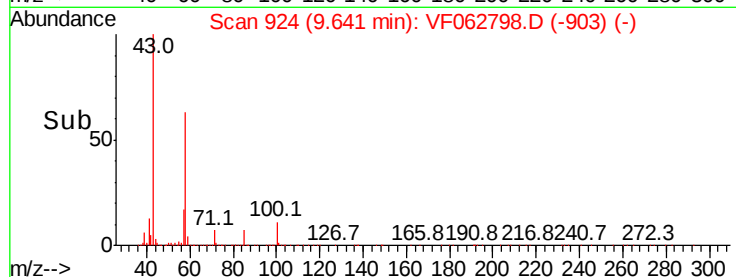
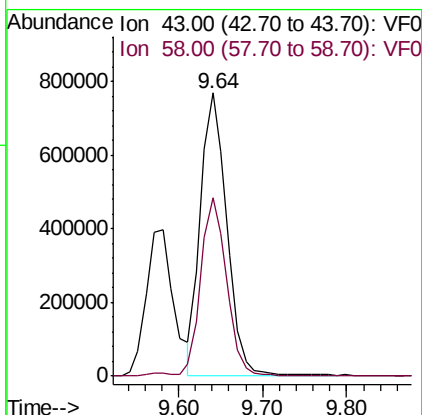
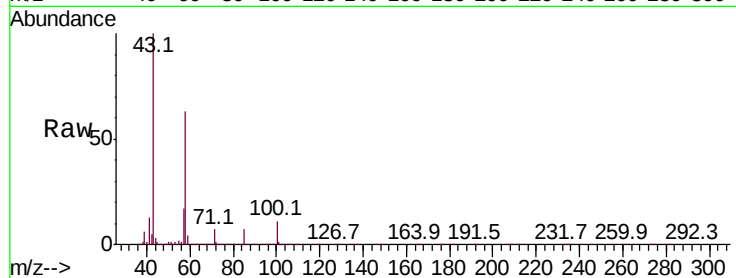




#59
2-Hexanone
Concen: 420.473 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

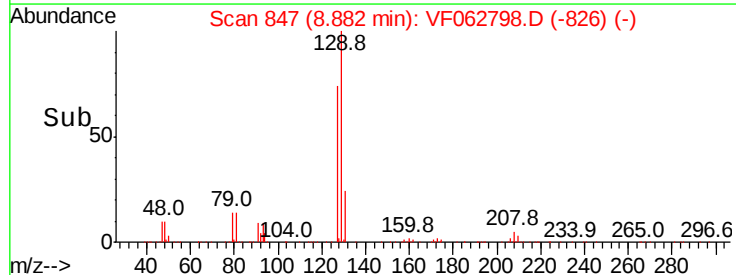
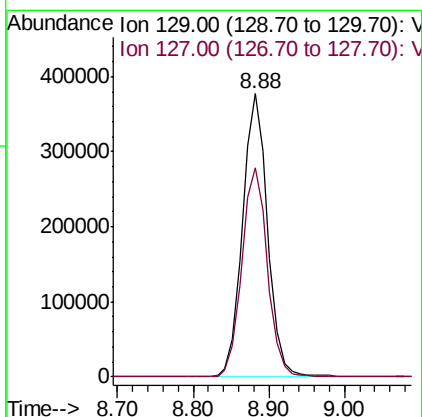
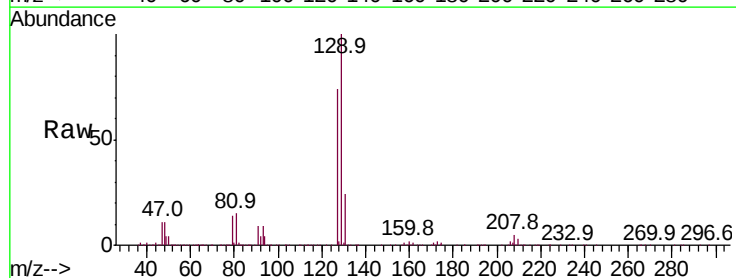
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

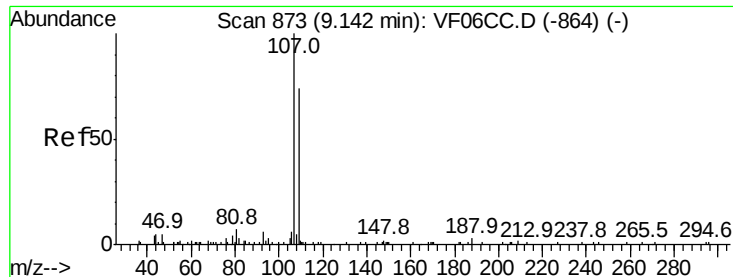
Tot Ion: 43 Resp: 1658384
Ion Ratio Lower Upper
43 100
58 63.2 29.3 87.9



#60
Dibromochloromethane
Concen: 103.066 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 129 Resp: 862252
Ion Ratio Lower Upper
129 100
127 74.0 37.1 111.3





#61

1,2-Dibromoethane

Concen: 101.270 ug/l

RT: 9.15 min Scan# 874

Delta R.T. -0.01 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

Instrument :

MSVOA_F

ClientSampleId :

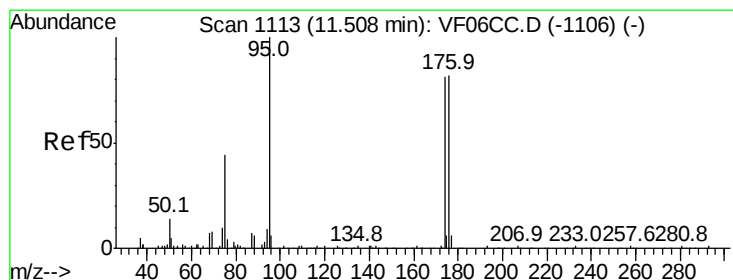
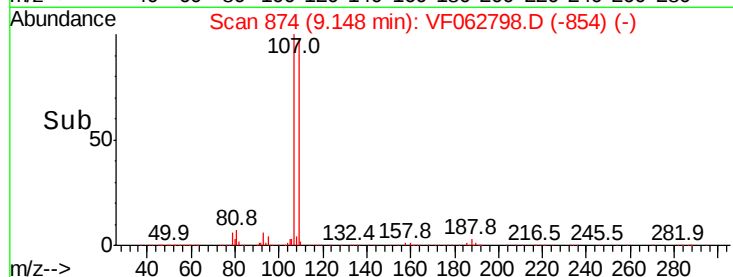
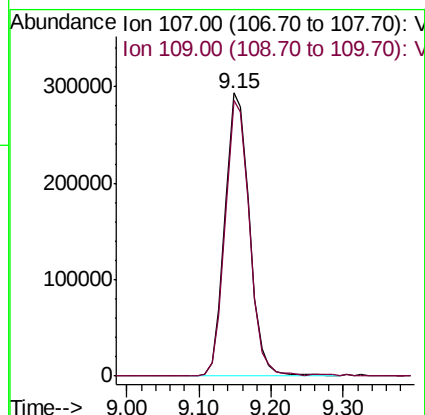
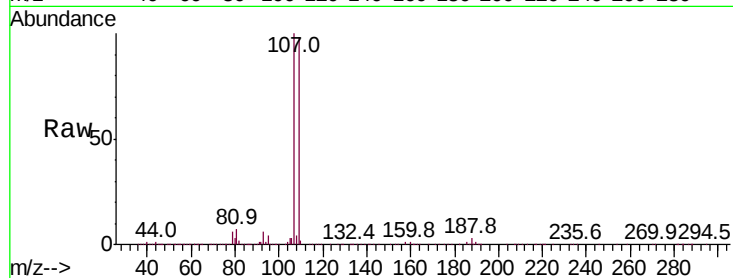
VSTDIC100

Tot Ion:107 Resp: 693617

Ion Ratio Lower Upper

107 100

109 97.6 78.1 117.1



#62

4-Bromofluorobenzene

Concen: 96.824 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

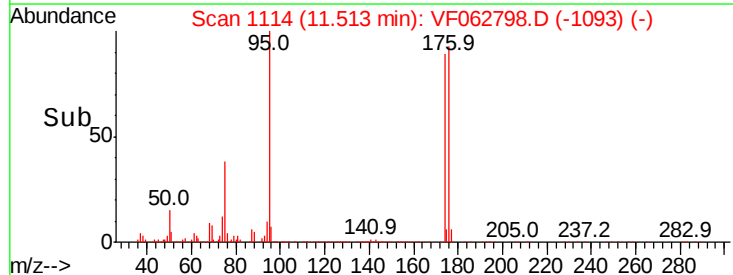
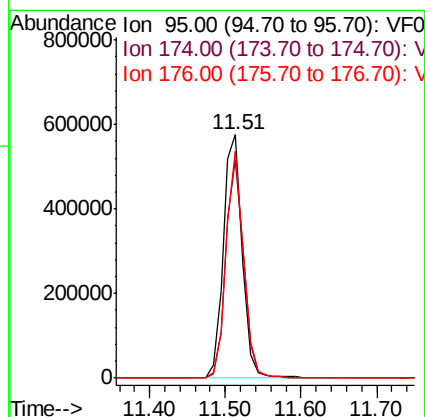
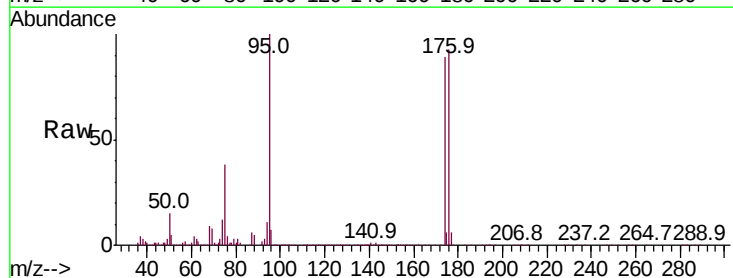
Tgt Ion: 95 Resp: 1004906

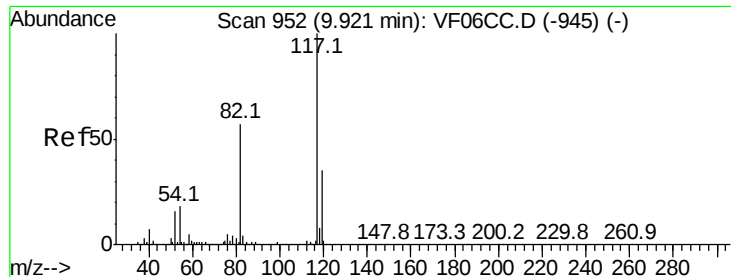
Ion Ratio Lower Upper

95 100

174 89.5 0.0 170.6

176 93.1 0.0 170.6

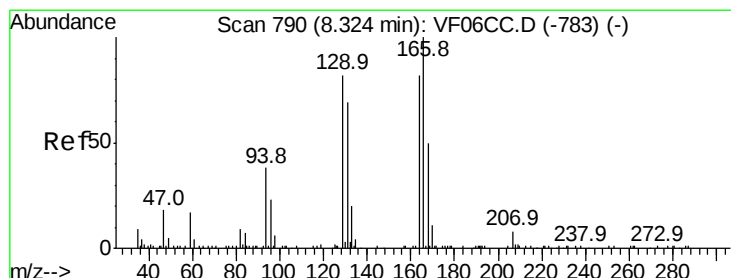
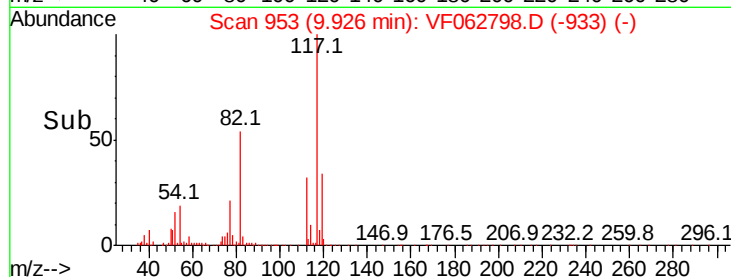
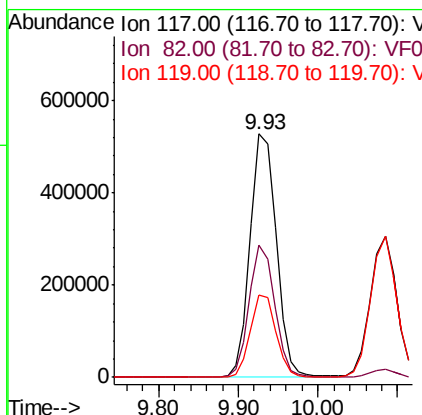
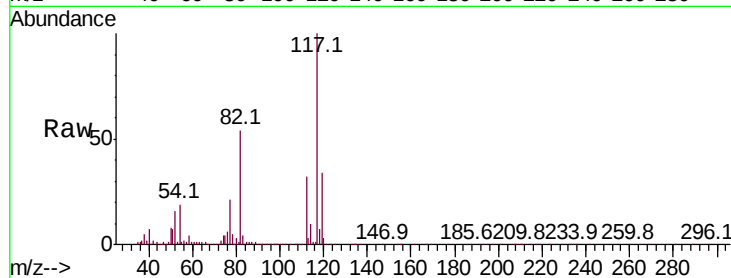




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

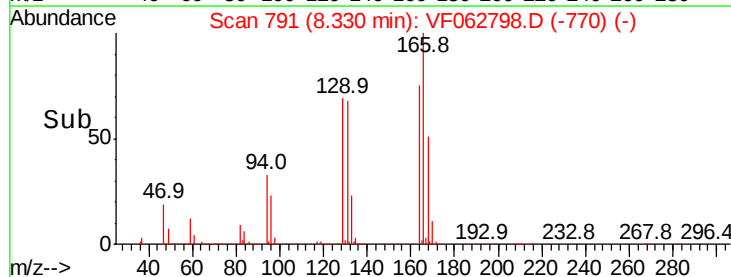
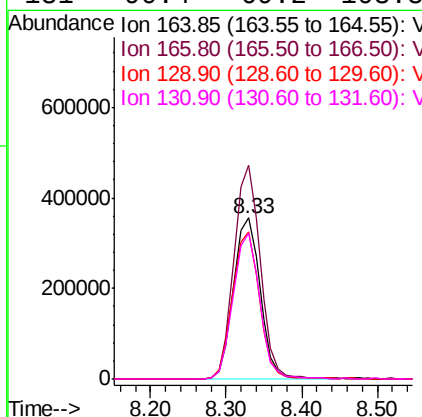
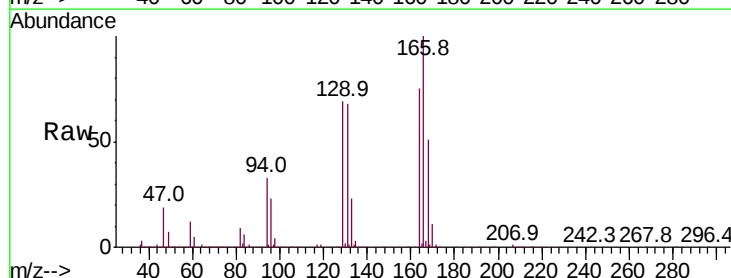
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

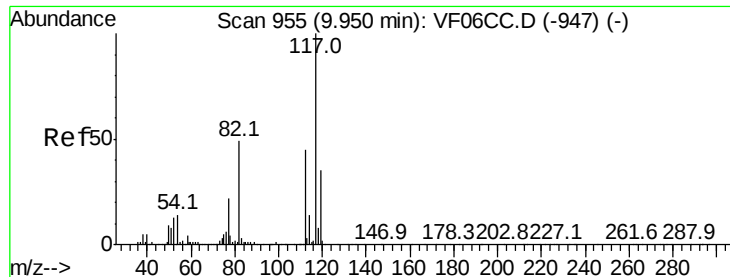
Tot Ion:117 Resp: 1203733
Ion Ratio Lower Upper
117 100
82 54.1 42.4 63.6
119 33.9 27.1 40.7



#64
Tetrachloroethene
Concen: 86.388 ug/l
RT: 8.33 min Scan# 791
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion:164 Resp: 867667
Ion Ratio Lower Upper
164 100
166 132.5 99.1 148.7
129 91.2 69.5 104.3
131 90.4 69.2 103.8

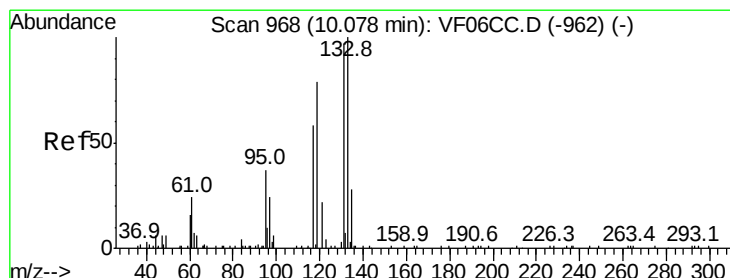
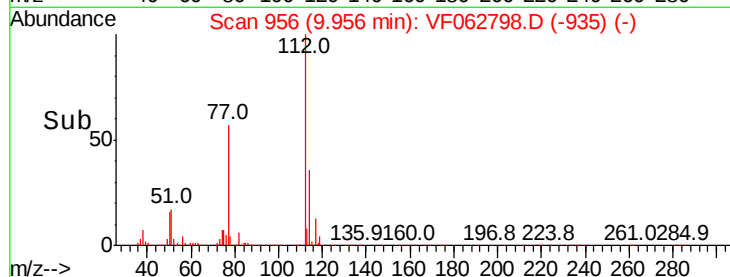
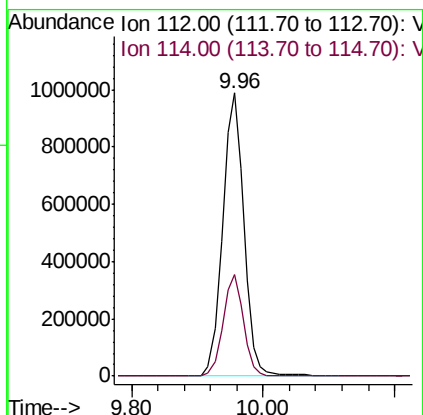
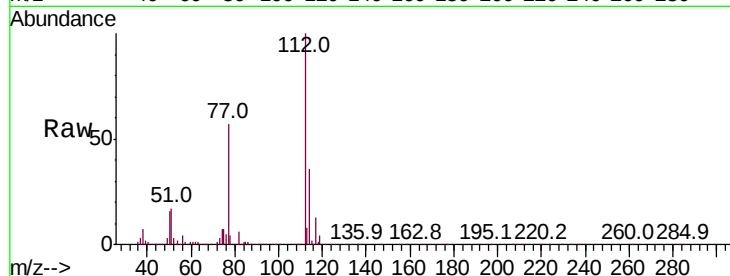




#65
Chlorobenzene
Concen: 91.470 ug/l
RT: 9.96 min Scan# 956
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

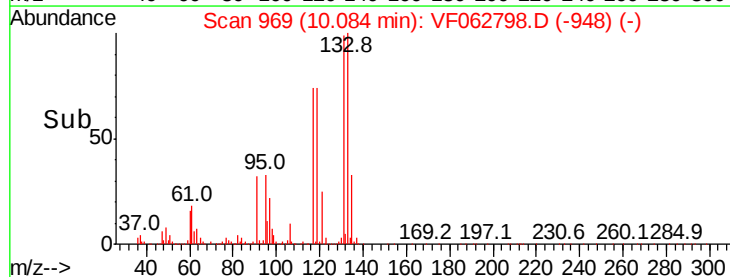
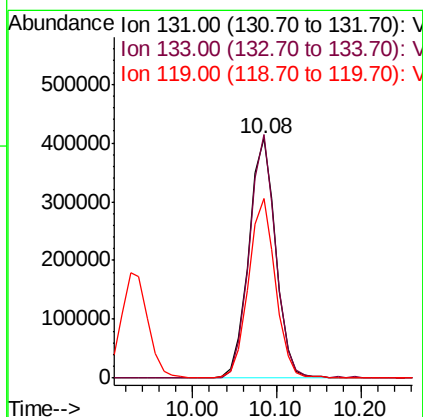
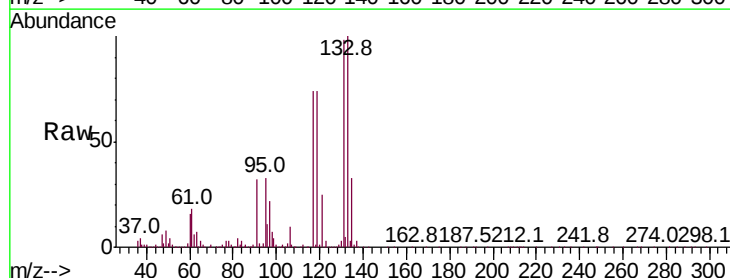
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

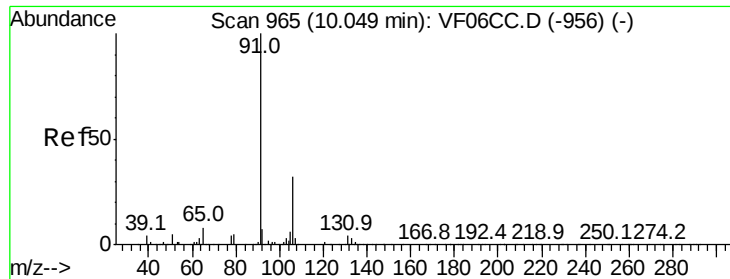
Tot Ion:112 Resp: 2232668
Ion Ratio Lower Upper
112 100
114 35.8 27.4 41.0



#66
1,1,1,2-Tetrachloroethane
Concen: 96.393 ug/l
RT: 10.08 min Scan# 969
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion:131 Resp: 919085
Ion Ratio Lower Upper
131 100
133 101.6 48.9 146.7
119 74.8 38.0 114.0

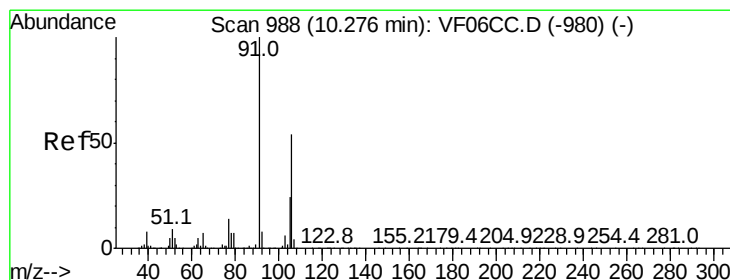
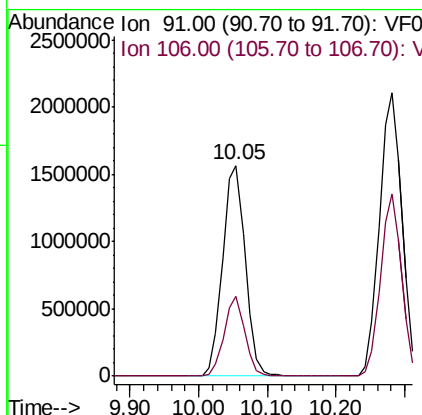
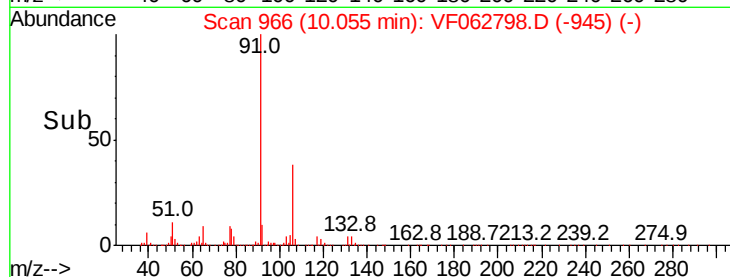
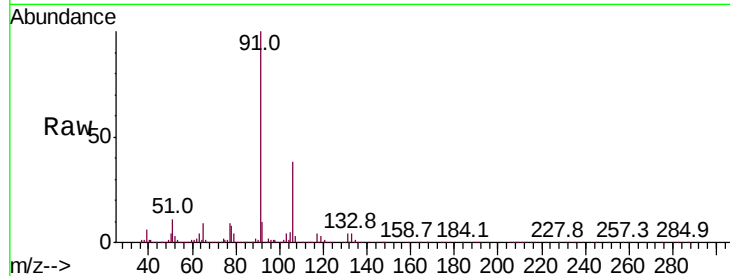




#67
Ethyl Benzene
Concen: 84.264 ug/l
RT: 10.05 min Scan# 966
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

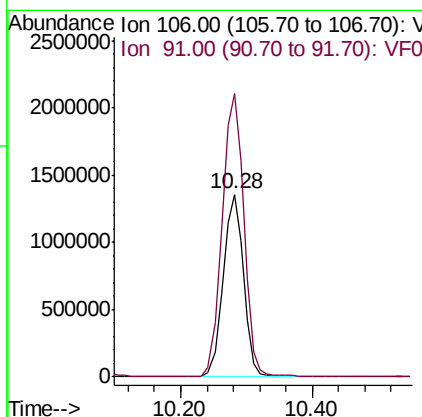
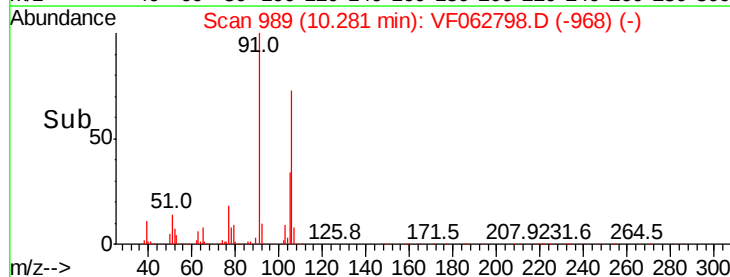
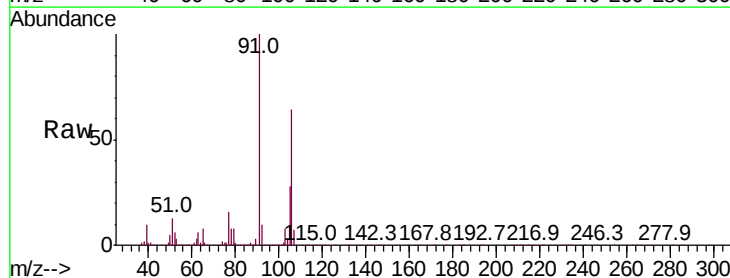
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

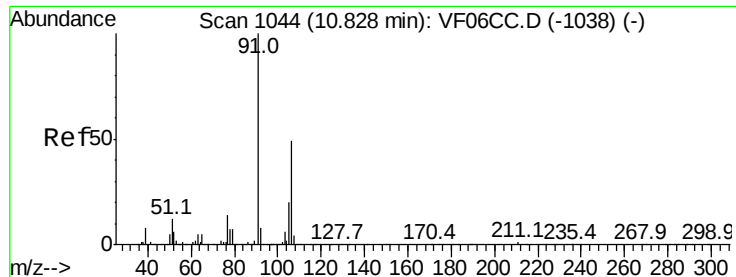
Tot Ion: 91 Resp: 3585071
Ion Ratio Lower Upper
91 100
106 38.0 26.0 39.0



#68
m/p-Xylenes
Concen: 184.306 ug/l
RT: 10.28 min Scan# 989
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 106 Resp: 2925592
Ion Ratio Lower Upper
106 100
91 155.2 136.2 204.4

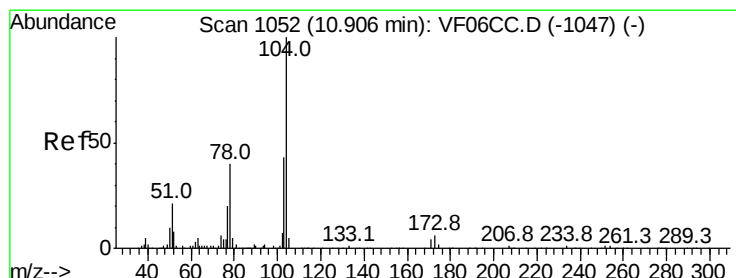
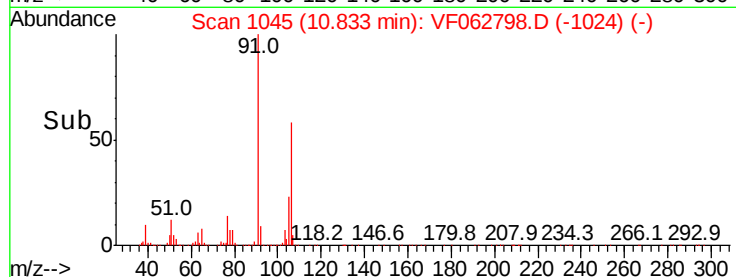
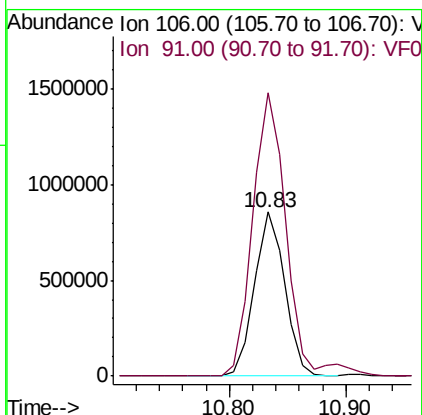
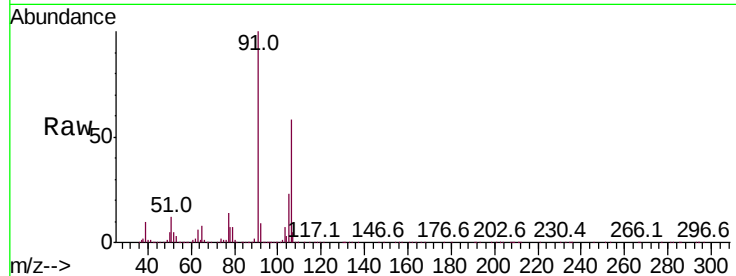




#69
o-Xylene
Concen: 96.020 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

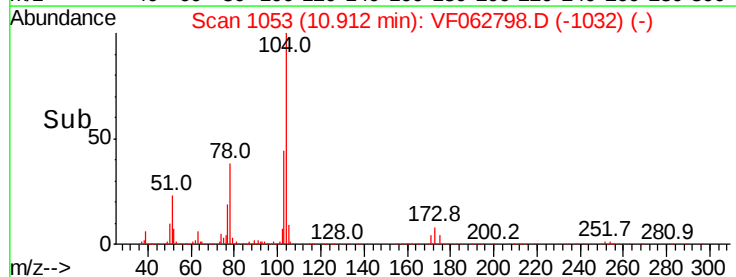
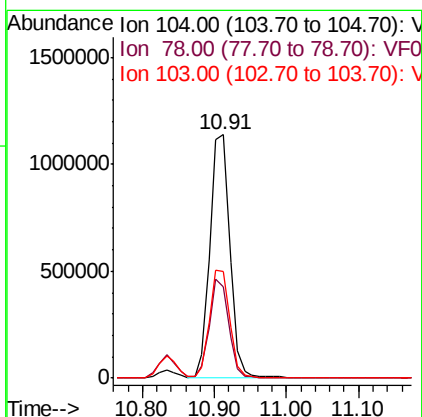
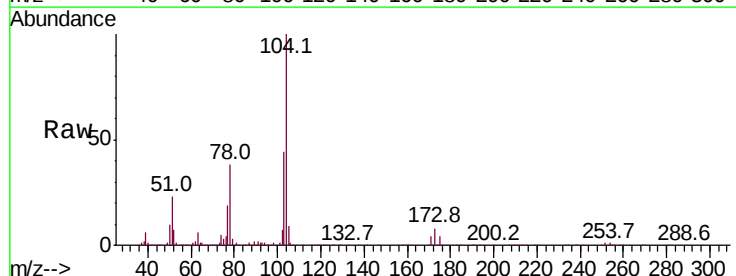
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

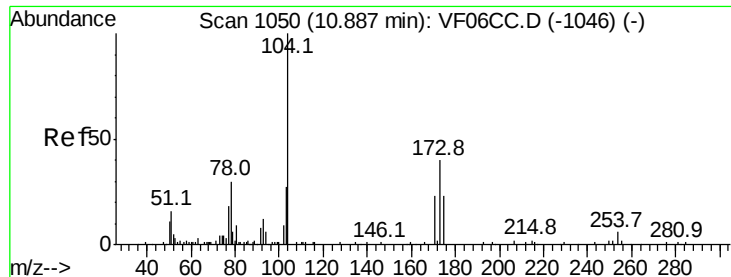
Tot Ion:106 Resp: 1544993
Ion Ratio Lower Upper
106 100
91 172.8 96.6 289.8



#70
Styrene
Concen: 91.659 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion:104 Resp: 2168475
Ion Ratio Lower Upper
104 100
78 37.7 30.8 46.2
103 43.9 35.8 53.6





#71

Bromoform

Concen: 102.634 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

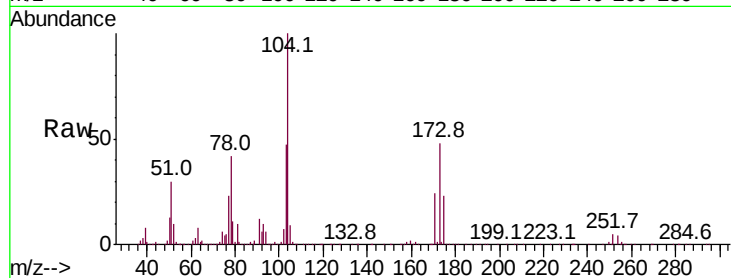
Tot Ion:173 Resp: 475795

Ion Ratio Lower Upper

173 100

175 47.3 24.6 74.0

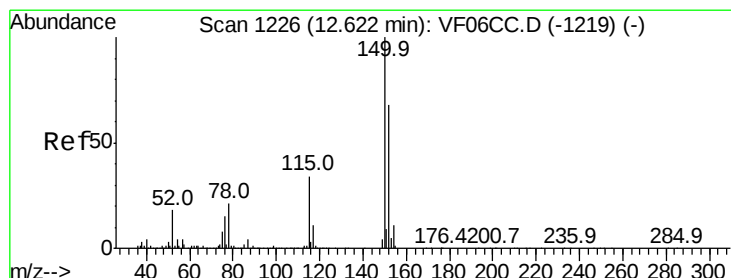
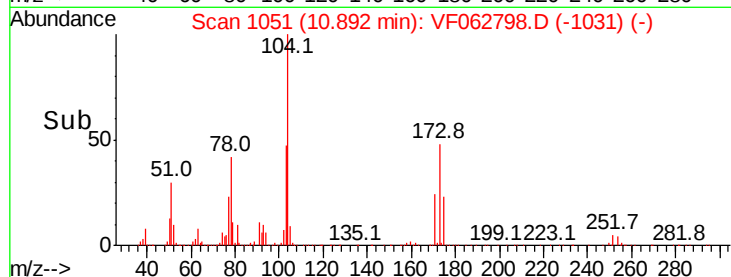
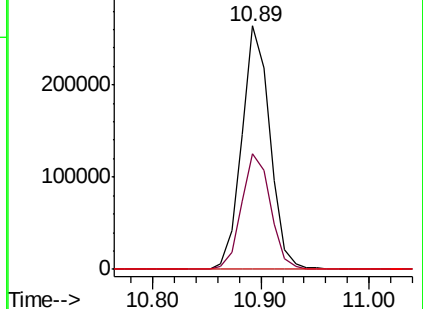
254 0.1 0.1 0.1#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

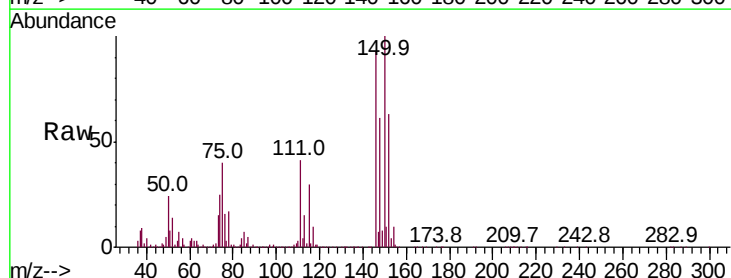
Tgt Ion:152 Resp: 565491

Ion Ratio Lower Upper

152 100

115 48.1 24.6 74.0

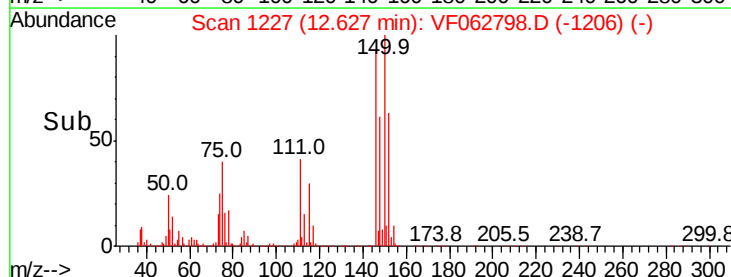
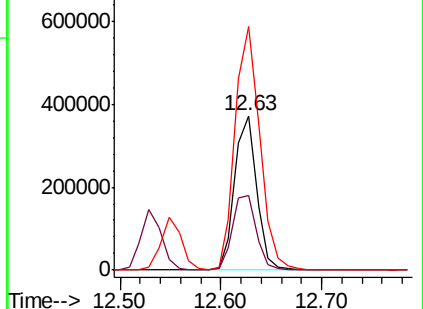
150 157.9 0.0 290.6

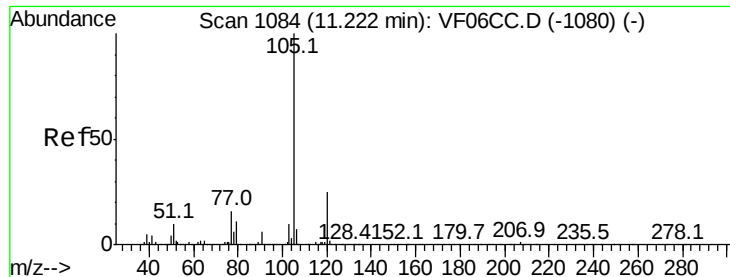


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 82.714 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

Instrument :

MSVOA_F

ClientSampleId :

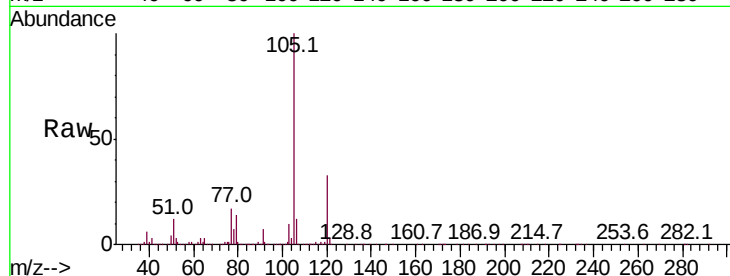
VSTDIC100

Tot Ion:105 Resp: 3538544

Ion Ratio Lower Upper

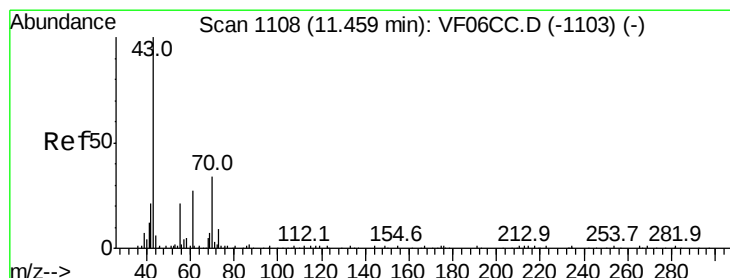
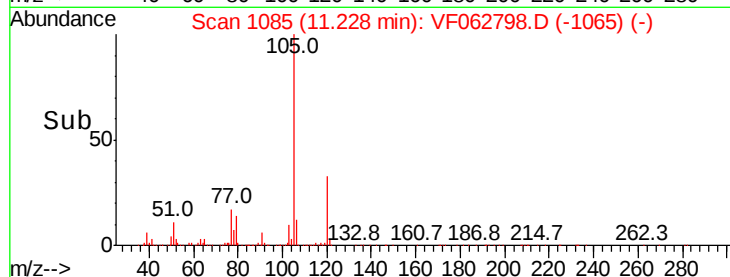
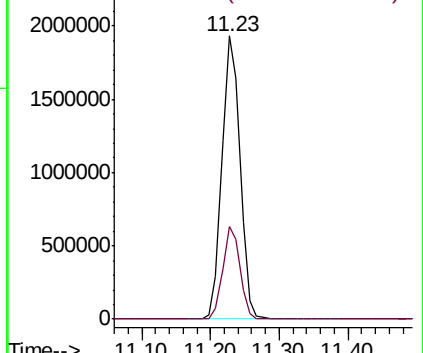
105 100

120 32.6 15.1 45.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 80.713 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

Tgt Ion: 43 Resp: 979589

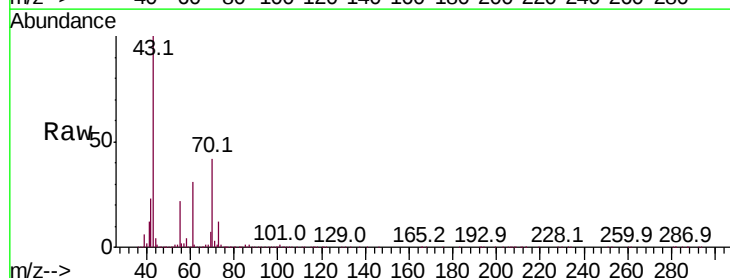
Ion Ratio Lower Upper

43 100

70 41.8 32.9 49.3

55 22.4 17.3 25.9

61 31.3 23.7 35.5

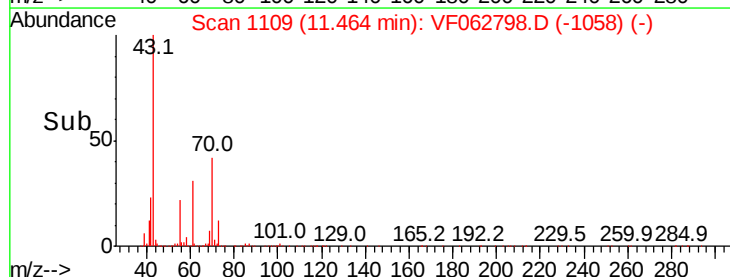
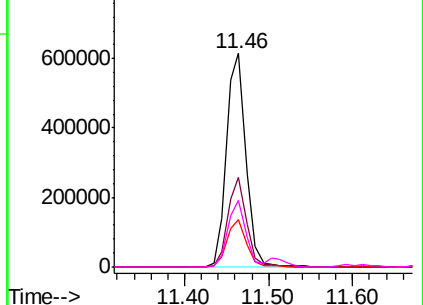


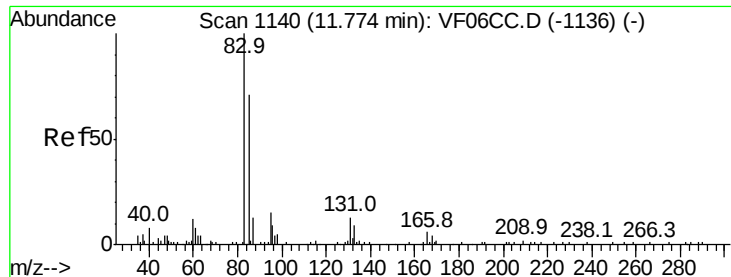
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 89.104 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

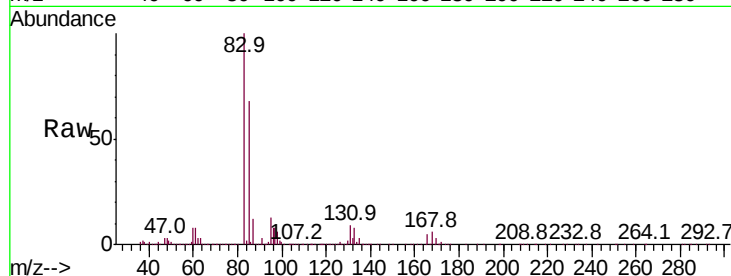
Tot Ion: 83 Resp: 823677

Ion Ratio Lower Upper

83 100

131 8.9 4.9 14.7

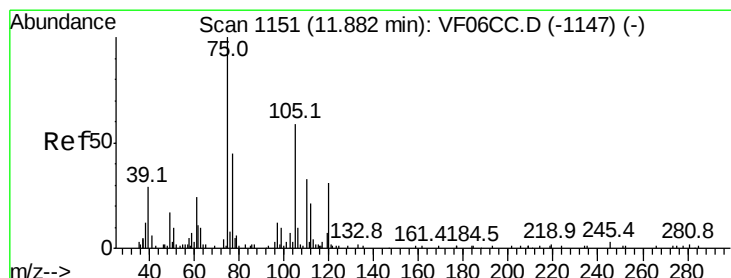
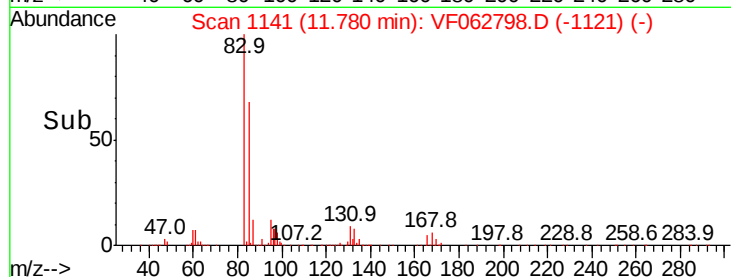
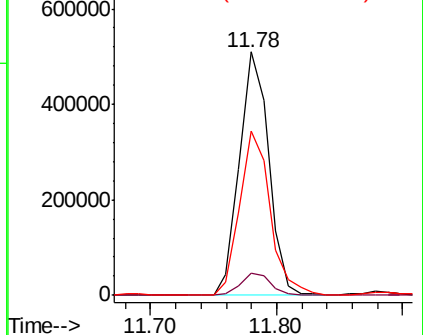
85 67.6 32.1 96.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 92.670 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF062798.D

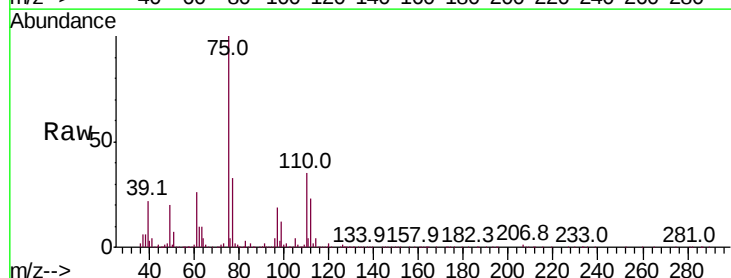
Acq: 30 May 2019 16:27

Tgt Ion: 75 Resp: 550962

Ion Ratio Lower Upper

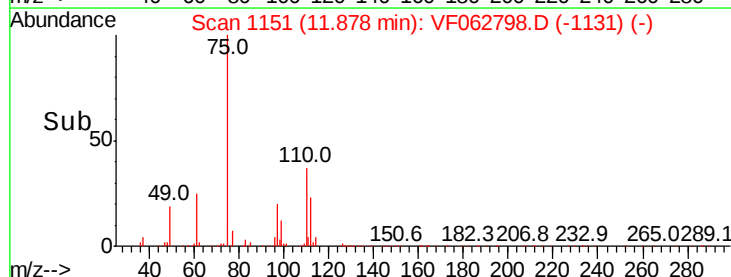
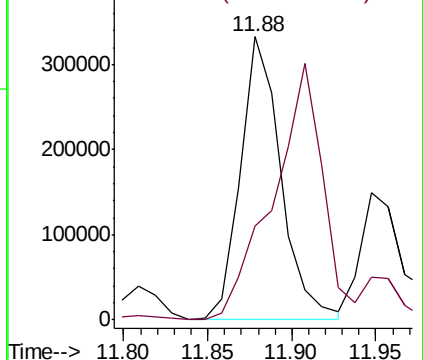
75 100

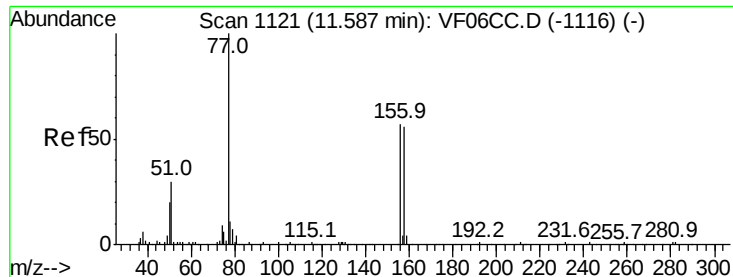
77 33.4 20.1 60.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 88.928 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

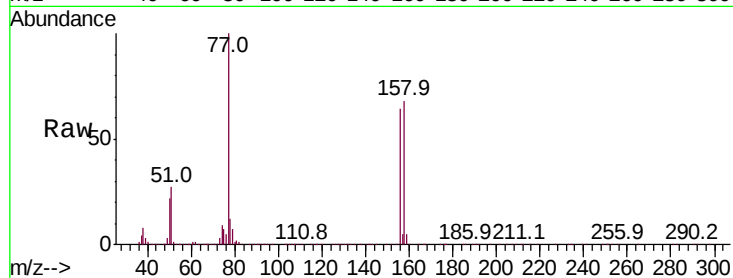
Tot Ion:156 Resp: 931714

Ion Ratio Lower Upper

156 100

77 155.7 64.2 192.6

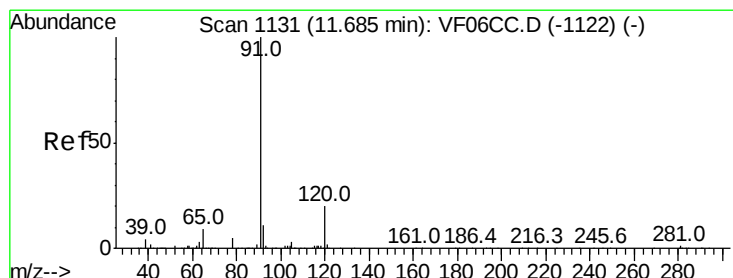
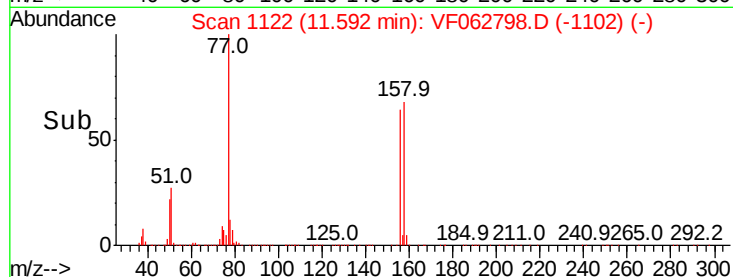
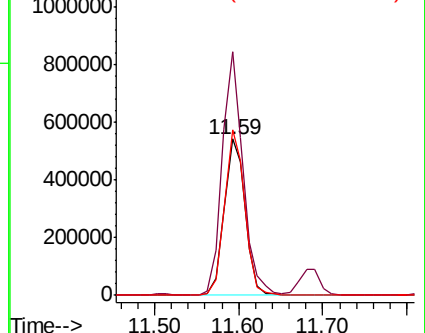
158 105.4 50.3 151.0



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: 69.970 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF062798.D

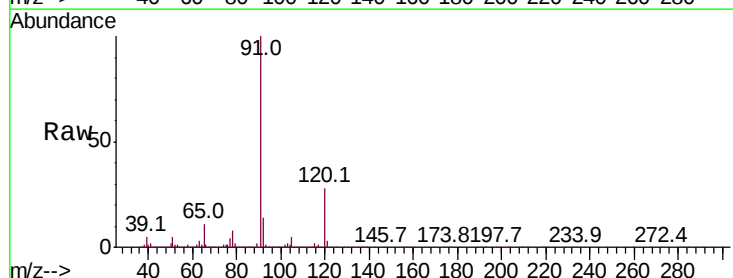
Acq: 30 May 2019 16:27

Tgt Ion: 91 Resp: 3714936

Ion Ratio Lower Upper

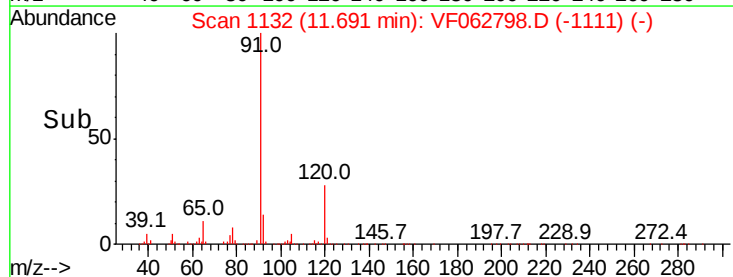
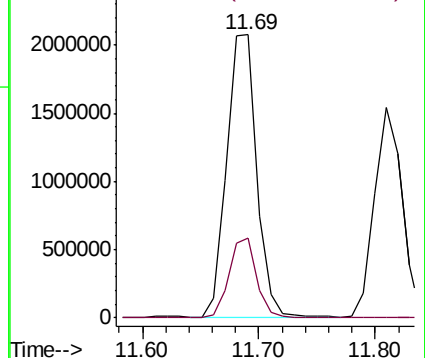
91 100

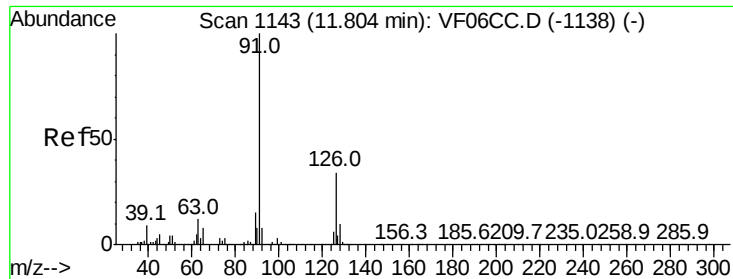
120 28.3 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

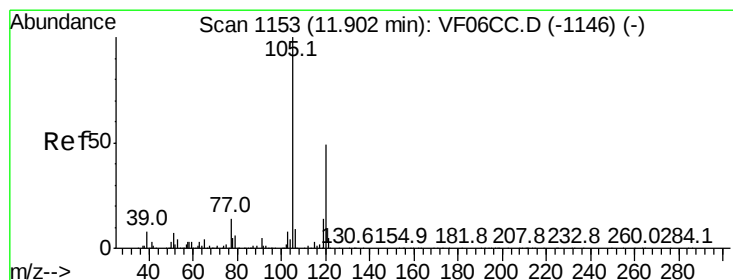
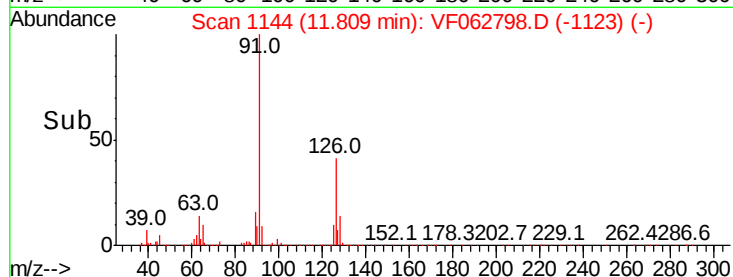
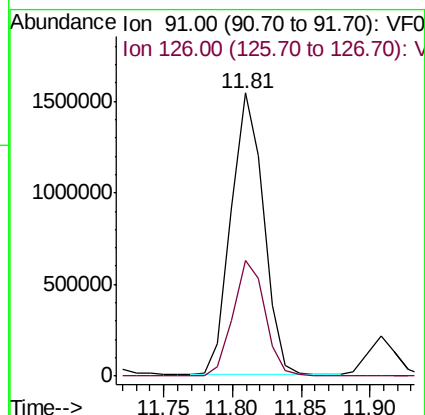
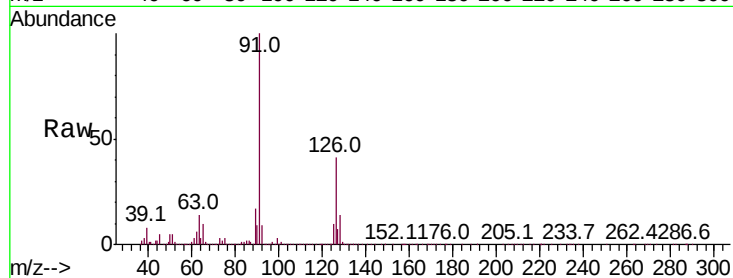




#79
 2-Chlorotoluene
 Concen: 87.118 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VF062798.D
 Acq: 30 May 2019 16:27

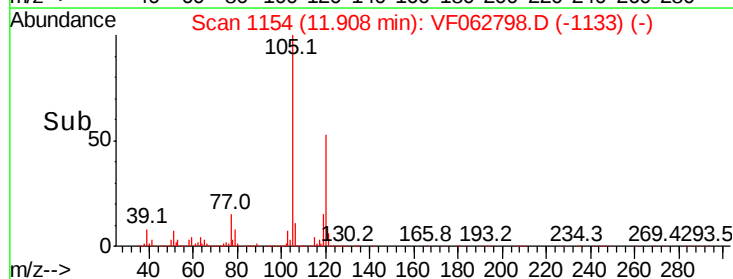
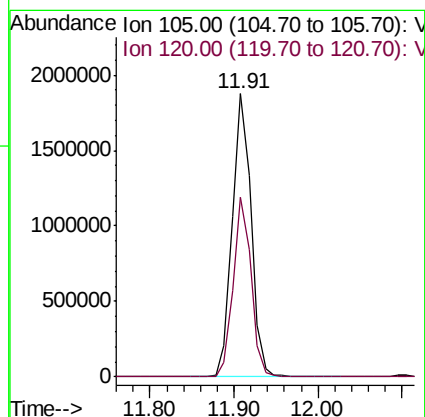
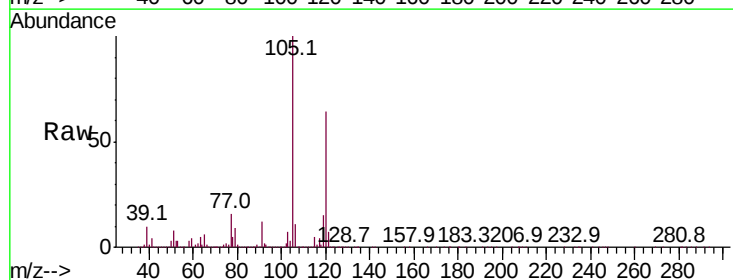
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

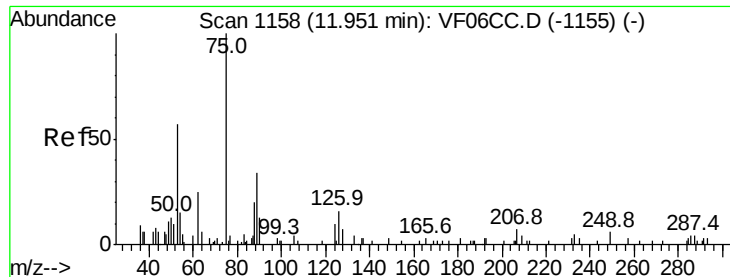
Tot Ion: 91 Resp: 2533620
 Ion Ratio Lower Upper
 91 100
 126 40.9 17.8 53.3



#80
 1,3,5-Trimethylbenzene
 Concen: 83.643 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VF062798.D
 Acq: 30 May 2019 16:27

Tgt Ion: 105 Resp: 2917207
 Ion Ratio Lower Upper
 105 100
 120 63.6 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 81.510 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

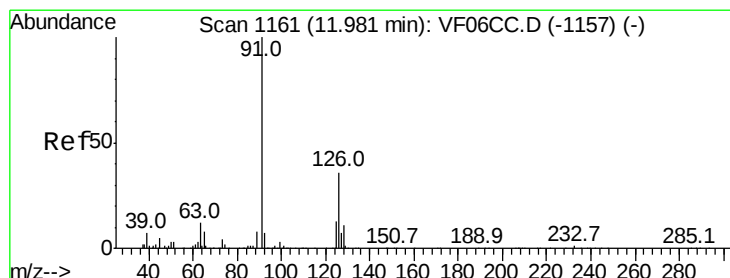
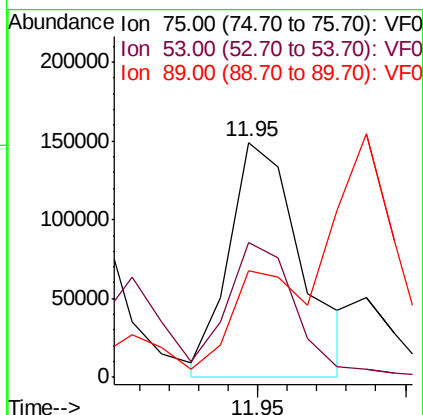
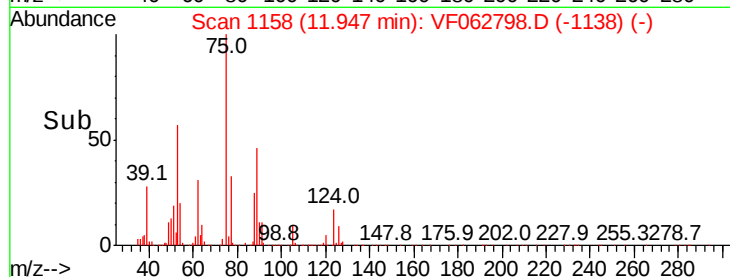
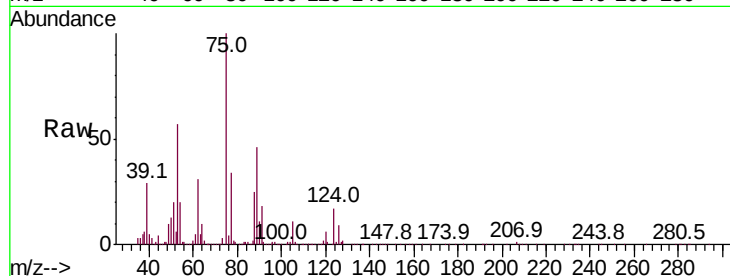
Tot Ion: 75 Resp: 253077

Ion Ratio Lower Upper

75 100

53 57.2 43.5 65.3

89 45.7 34.3 51.5



#82

4-Chlorotoluene

Concen: 83.825 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF062798.D

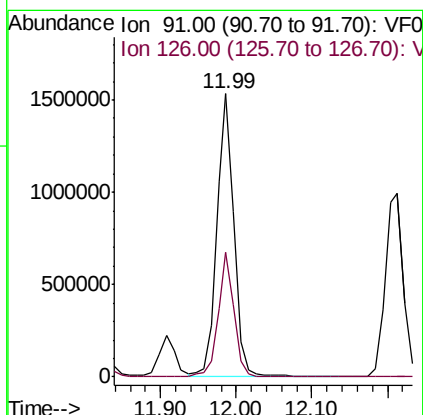
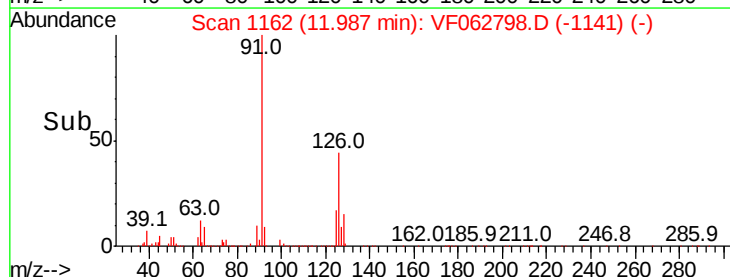
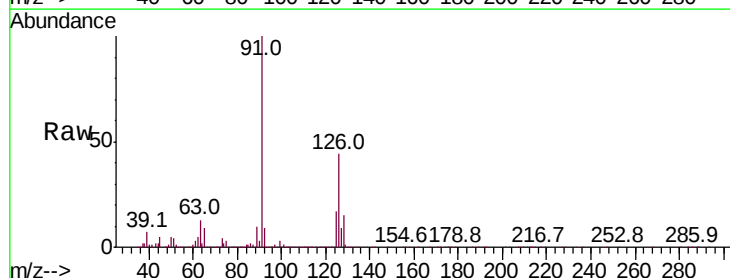
Acq: 30 May 2019 16:27

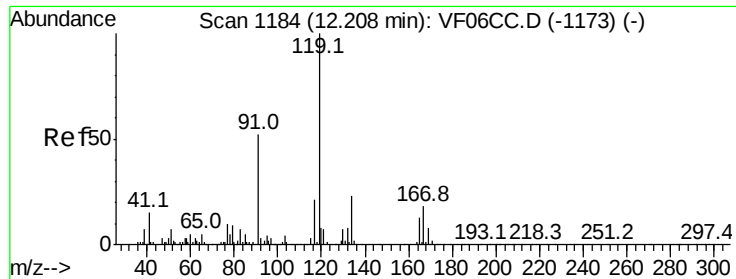
Tgt Ion: 91 Resp: 2416035

Ion Ratio Lower Upper

91 100

126 44.1 19.1 57.1





#83

tert-Butylbenzene

Concen: 87.506 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

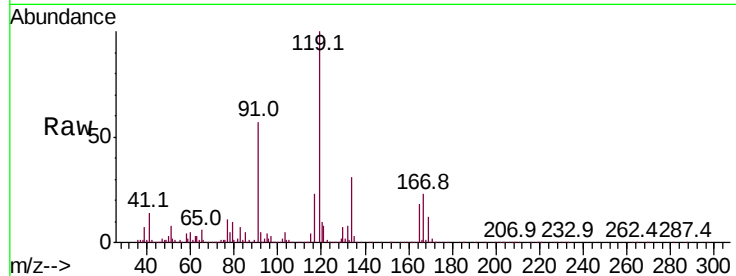
Tot Ion:119 Resp: 2964376

Ion Ratio Lower Upper

119 100

91 56.5 28.9 86.7

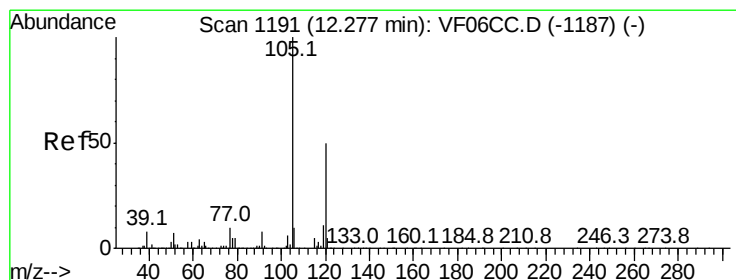
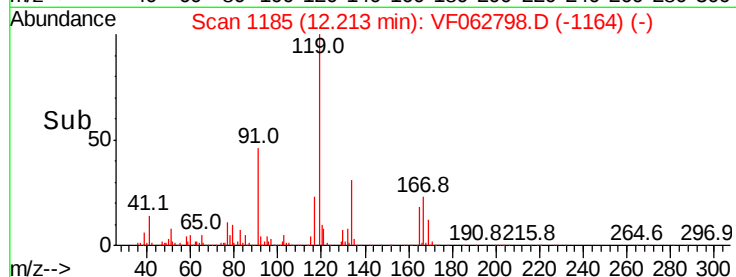
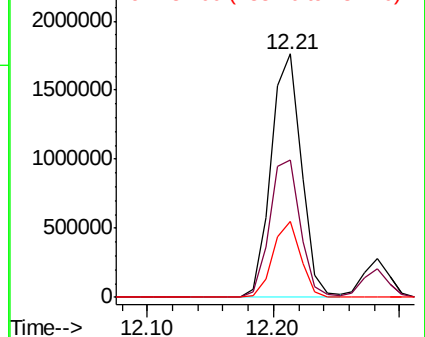
134 31.2 14.3 42.9



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: 83.801 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. 0.00 min

Lab File: VF062798.D

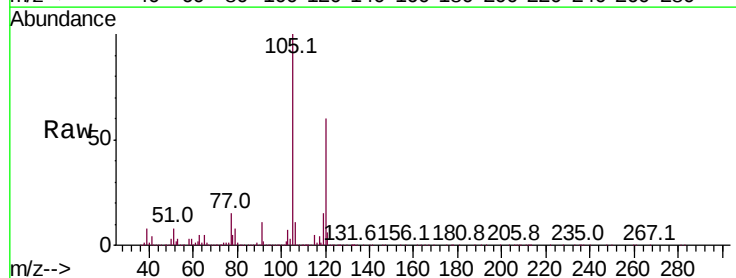
Acq: 30 May 2019 16:27

Tgt Ion:105 Resp: 2789789

Ion Ratio Lower Upper

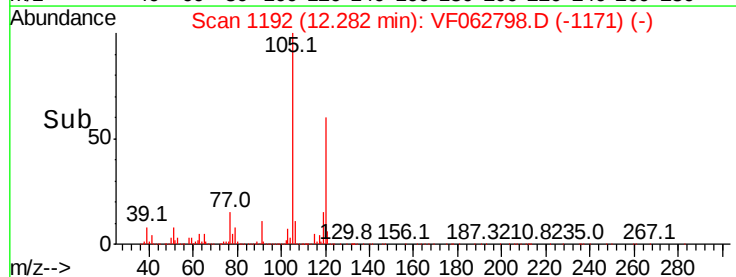
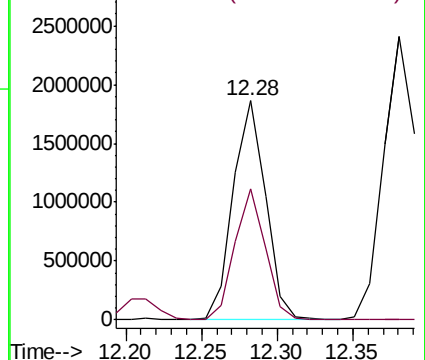
105 100

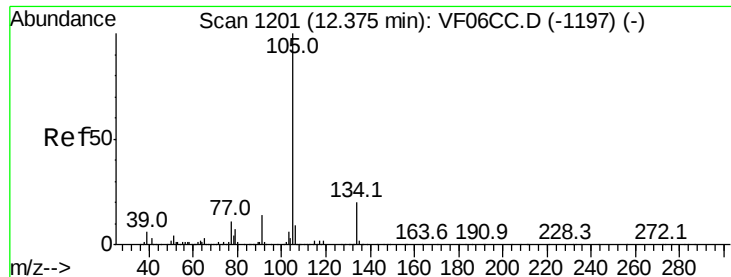
120 59.7 27.1 81.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 80.056 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

Instrument :

MSVOA_F

ClientSampleId :

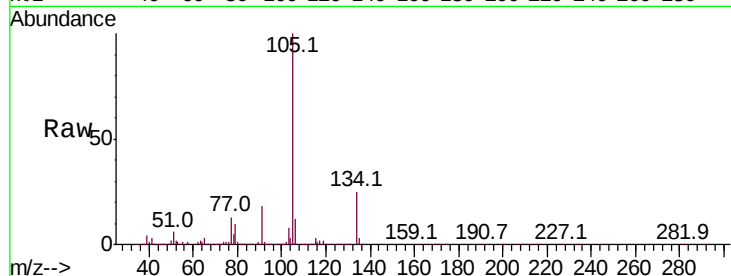
VSTDIC100

Tot Ion:105 Resp: 3705779

Ion Ratio Lower Upper

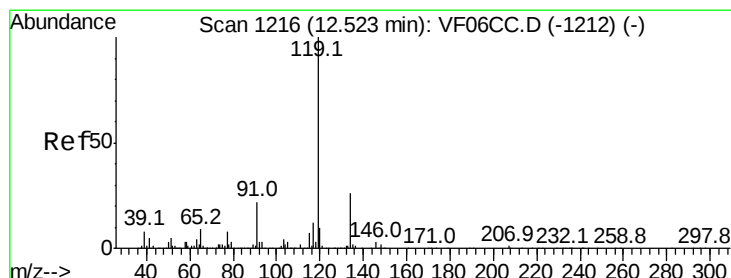
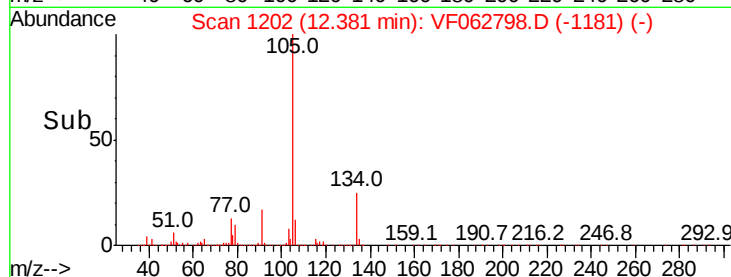
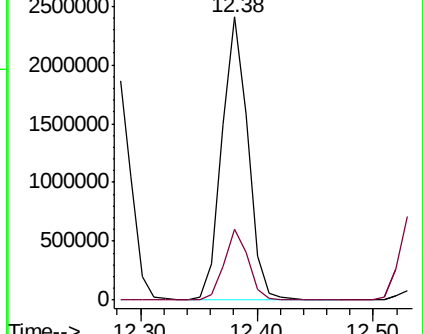
105 100

134 25.2 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 81.612 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

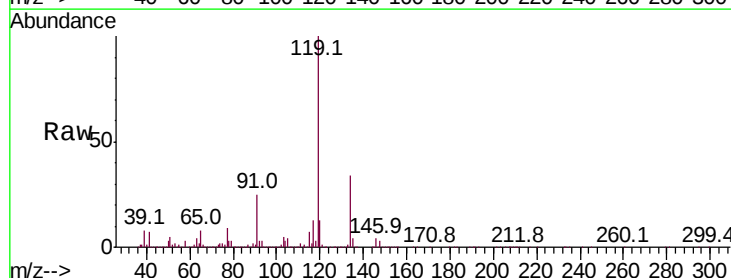
Tgt Ion:119 Resp: 3107927

Ion Ratio Lower Upper

119 100

134 33.9 15.5 46.5

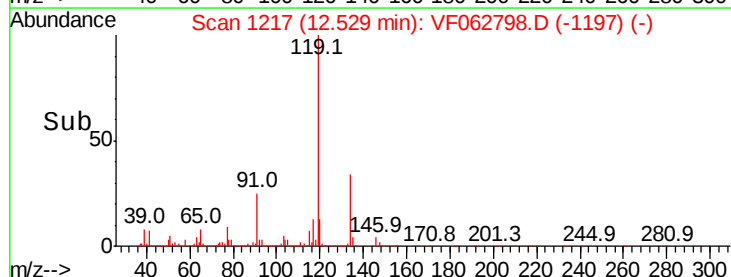
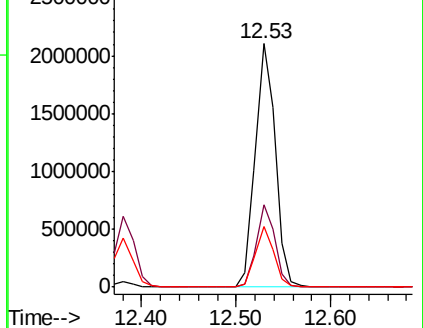
91 25.1 10.3 30.9

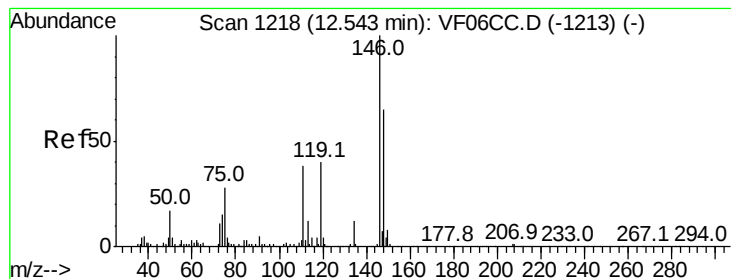


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 84.044 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

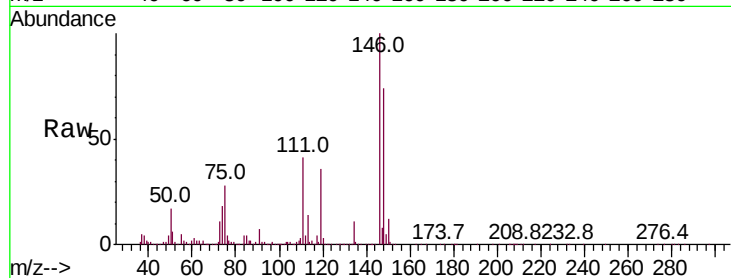
Tot Ion:146 Resp: 1581037

Ion Ratio Lower Upper

146 100

111 40.9 19.6 58.8

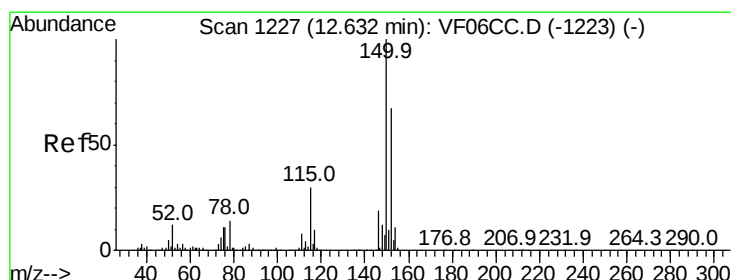
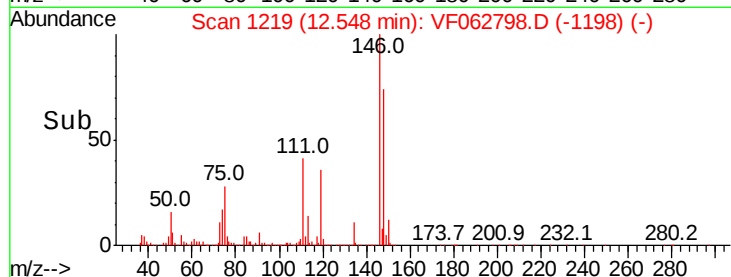
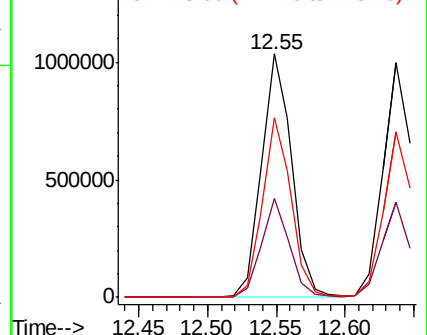
148 73.7 34.2 102.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 85.330 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

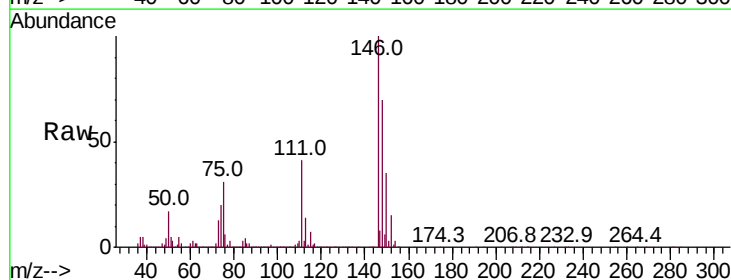
Tgt Ion:146 Resp: 1496568

Ion Ratio Lower Upper

146 100

111 40.6 20.3 60.9

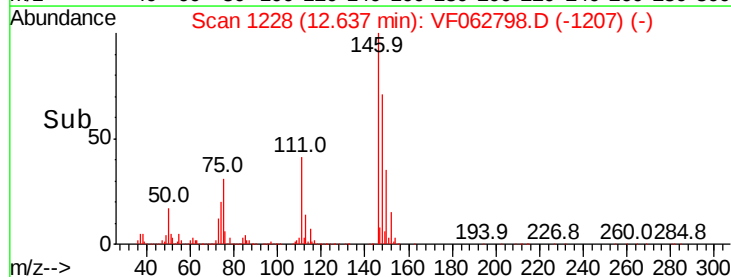
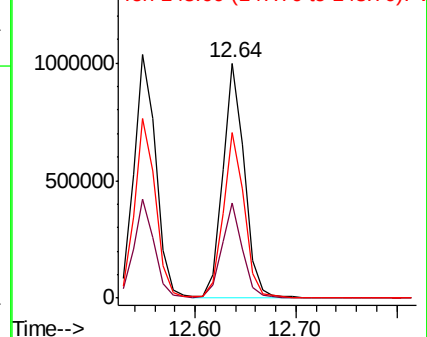
148 70.5 34.0 101.8

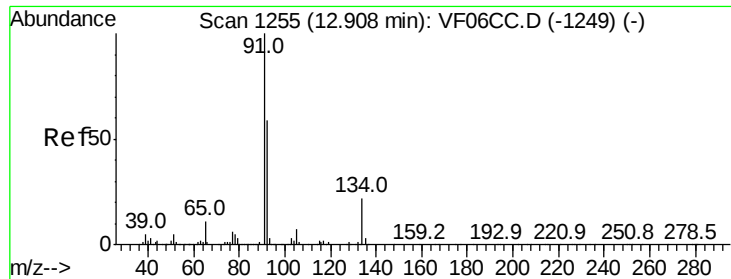


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

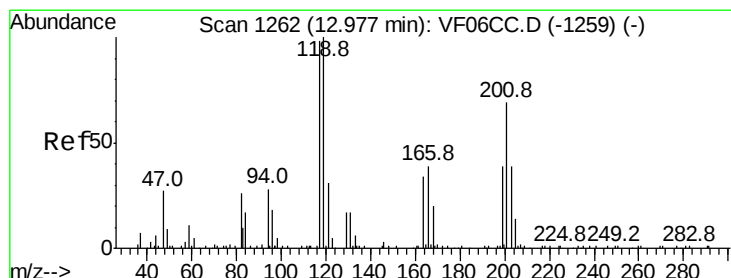
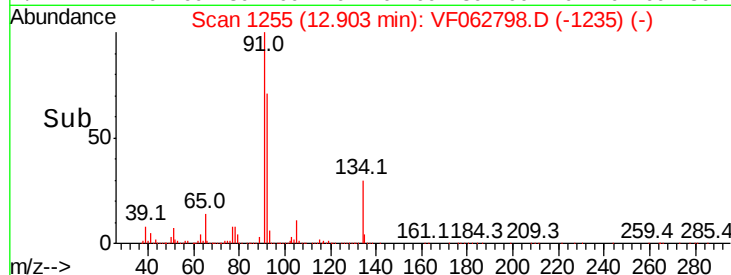
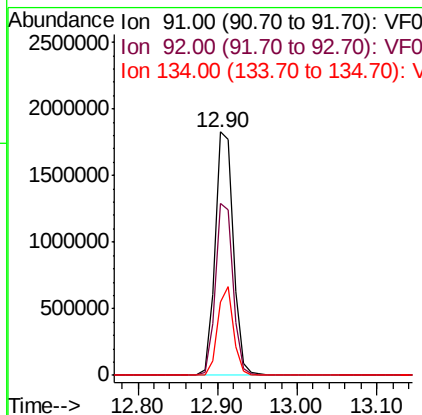
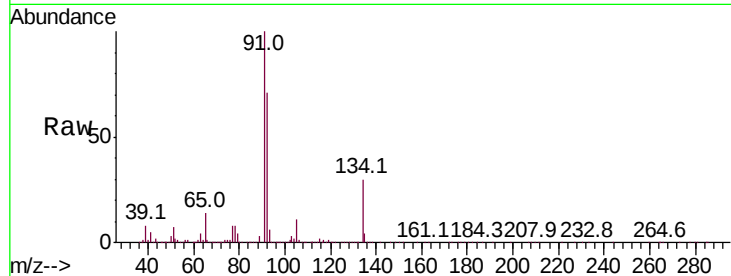




#89
n-Butylbenzene
Concen: 75.567 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

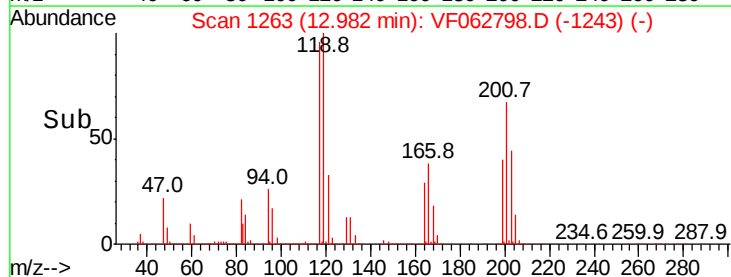
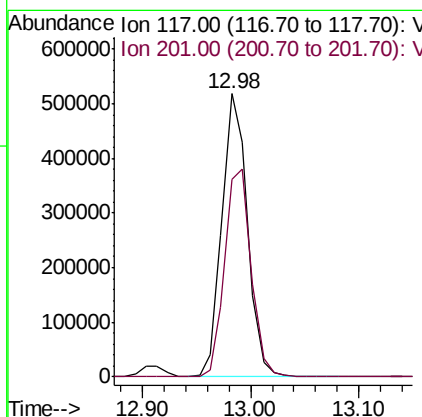
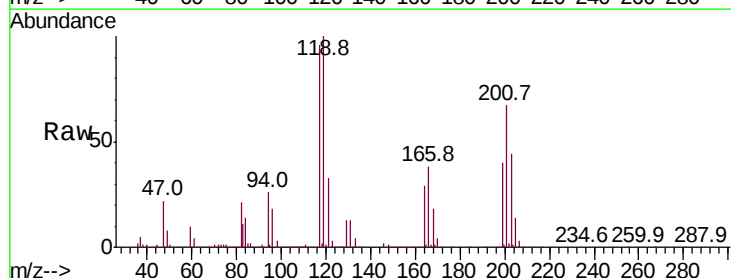
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

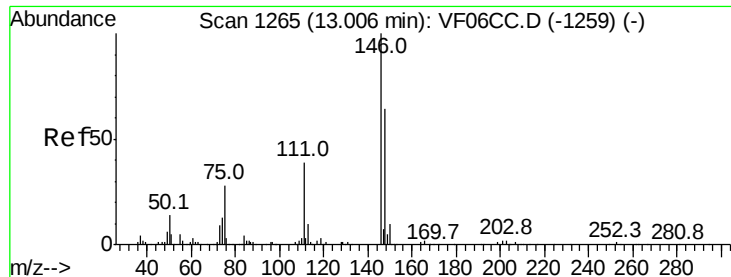
Tot Ion: 91 Resp: 2966384
Ion Ratio Lower Upper
91 100
92 70.5 34.2 102.6
134 30.3 15.8 47.3



#90
Hexachloroethane
Concen: 93.713 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 117 Resp: 847349
Ion Ratio Lower Upper
117 100
201 71.4 38.9 116.7





#91

1,2-Dichlorobenzene

Concen: 85.390 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

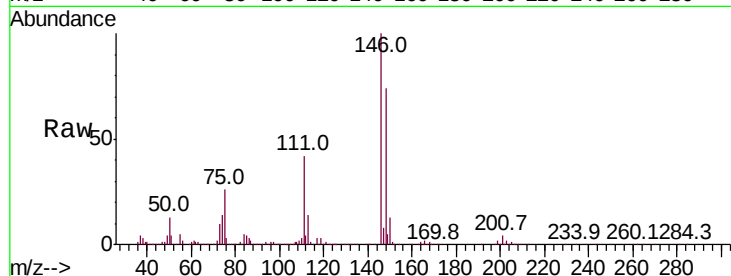
Tot Ion:146 Resp: 1410383

Ion Ratio Lower Upper

146 100

111 41.6 20.4 61.3

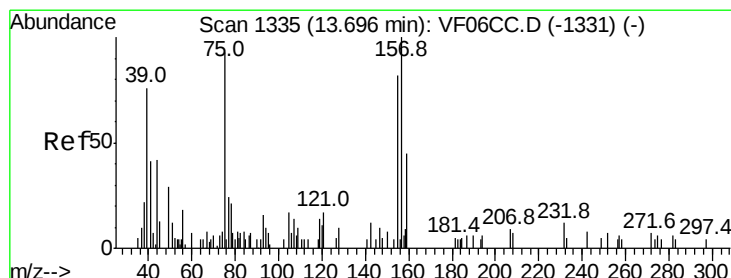
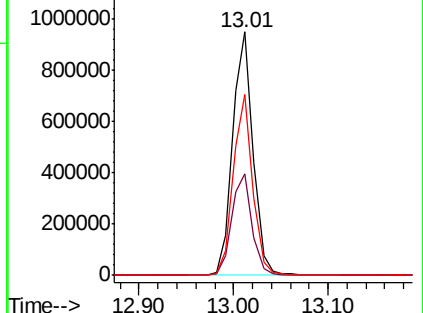
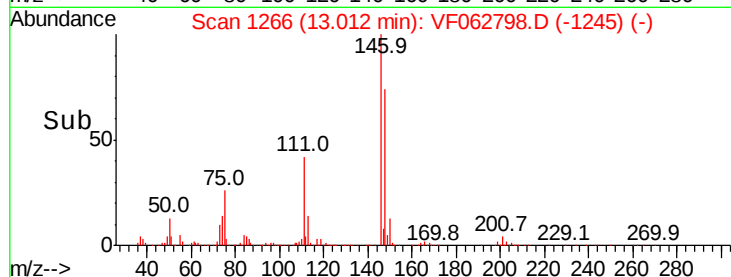
148 74.2 34.1 102.3



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: 100.548 ug/l

RT: 13.70 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

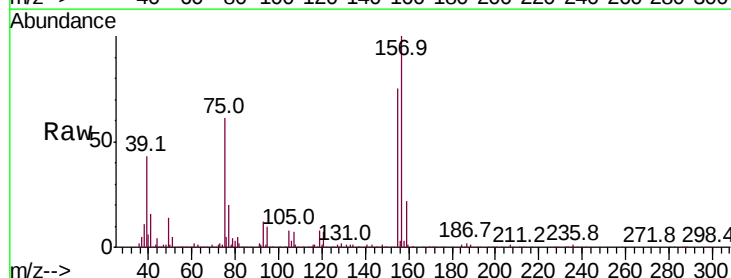
Tgt Ion: 75 Resp: 98937

Ion Ratio Lower Upper

75 100

155 123.6 51.7 155.1

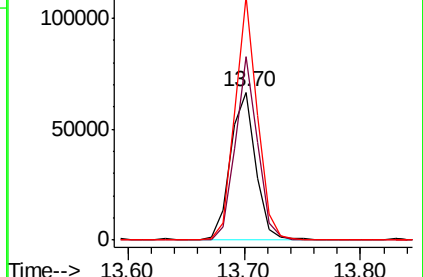
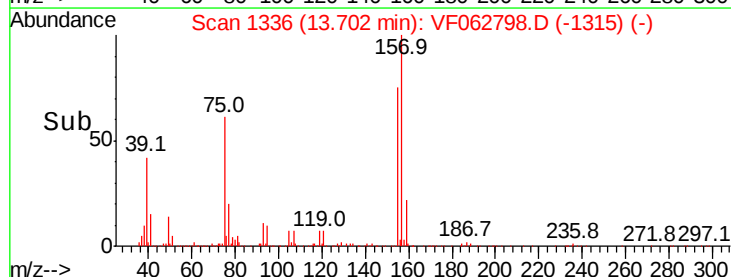
157 164.5 66.8 200.6

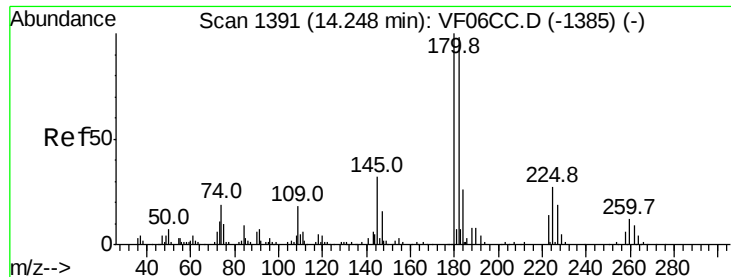


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

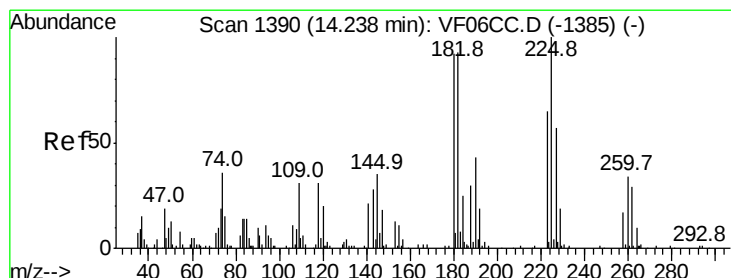
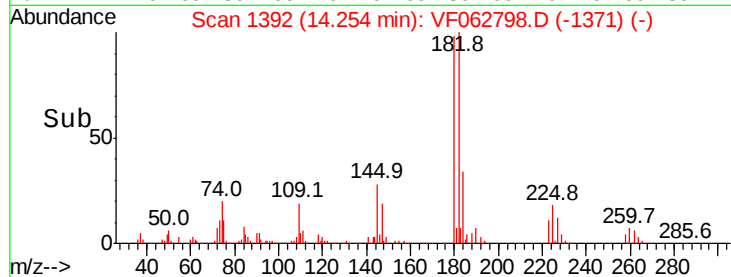
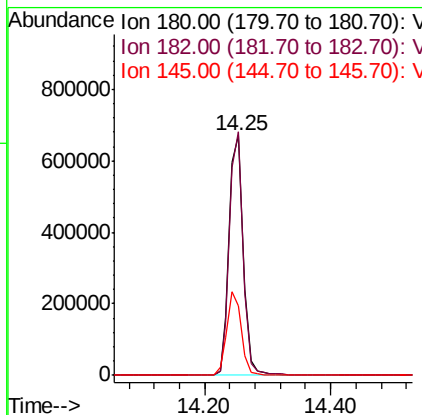
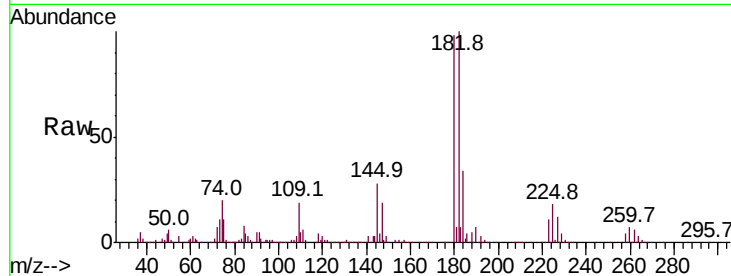




#93
 1,2,4-Trichlorobenzene
 Concen: 92.862 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF062798.D
 Acq: 30 May 2019 16:27

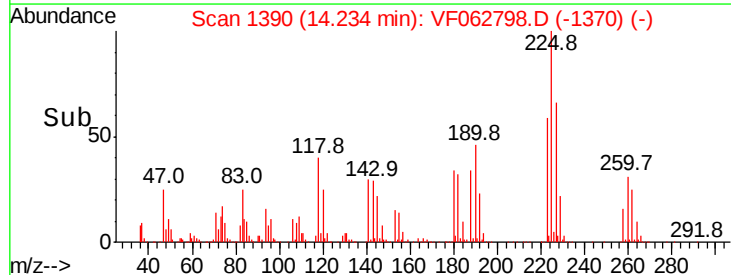
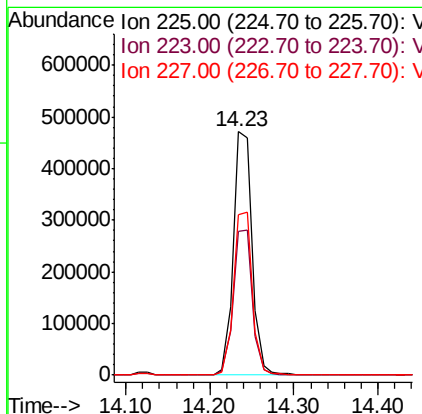
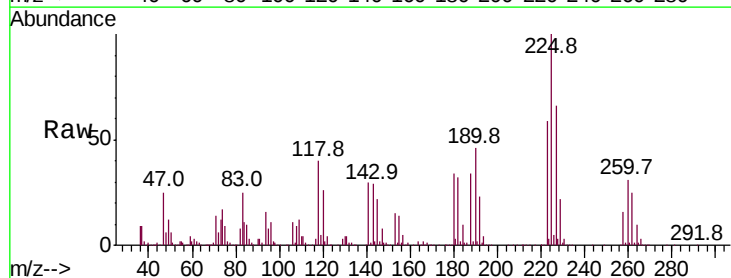
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

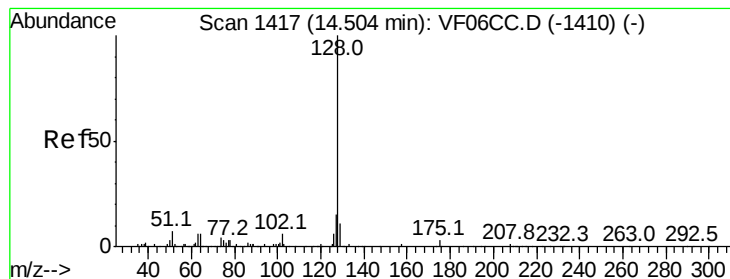
Tot Ion:180 Resp: 1040945
 Ion Ratio Lower Upper
 180 100
 182 101.8 50.3 150.9
 145 28.9 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 94.758 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062798.D
 Acq: 30 May 2019 16:27

Tgt Ion:225 Resp: 729834
 Ion Ratio Lower Upper
 225 100
 223 59.0 30.8 92.4
 227 65.7 31.9 95.5





#95

Naphthalene

Concen: 108.828 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

Instrument :

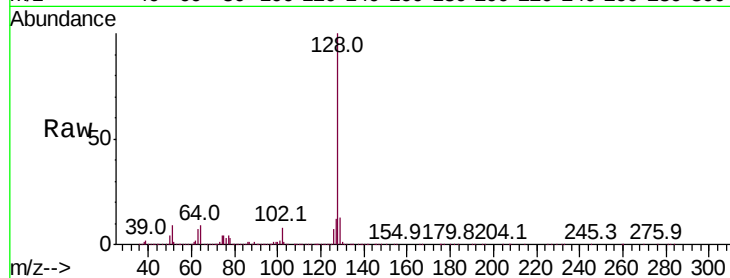
MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 1937570

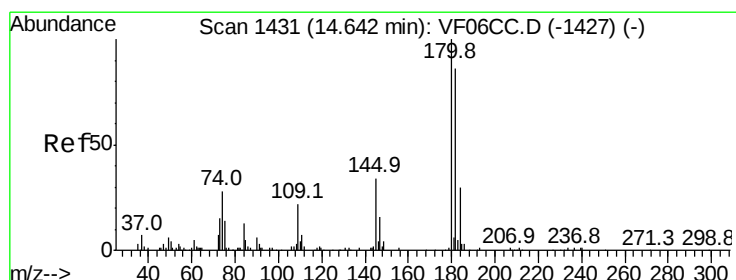
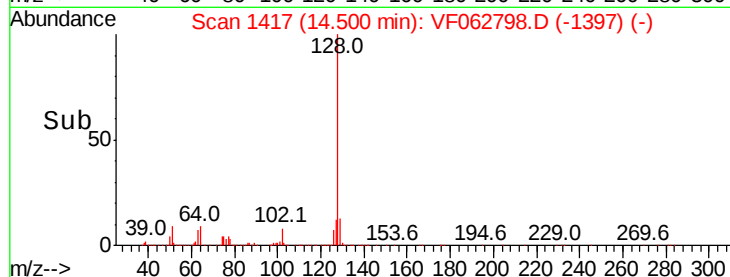
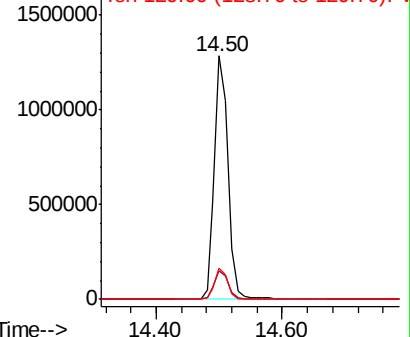
Ion	Ratio	Lower	Upper
128	100		
127	11.7	9.7	14.5
129	13.0	9.4	14.2



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: 100.555 ug/l

RT: 14.65 min Scan# 1432

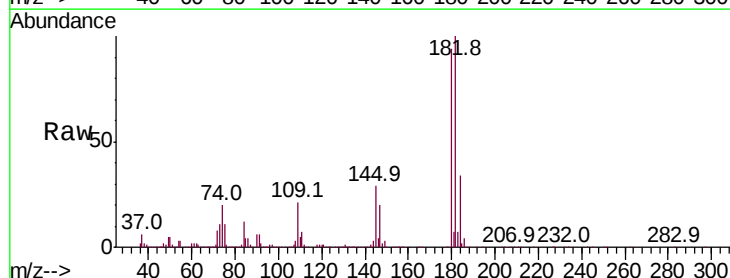
Delta R.T. 0.00 min

Lab File: VF062798.D

Acq: 30 May 2019 16:27

Tgt Ion:180 Resp: 997838

Ion	Ratio	Lower	Upper
180	100		
182	106.0	48.6	145.9
145	31.2	15.7	47.0



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

