

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051119\
 Data File : VF062455.D
 Acq On : 11 May 2019 12:56
 Operator : FY/SY
 Sample : VF0511SBSD01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 12 03:45:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	300759	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.78	114	424242	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.91	117	365290	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	227143	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	140680	49.50	ug/l	0.02
Spiked Amount			Recovery	=	99.00%	
35) Dibromofluoromethane	4.32	113	174640	51.67	ug/l	0.02
Spiked Amount			Recovery	=	103.34%	
50) Toluene-d8	7.72	98	397726	48.61	ug/l	0.01
Spiked Amount			Recovery	=	97.22%	
62) 4-Bromofluorobenzene	11.50	95	191582	51.90	ug/l	0.01
Spiked Amount			Recovery	=	103.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	87767	25.215	ug/l	96
3) Chloromethane	1.15	50	50975	22.205	ug/l	96
4) Vinyl Chloride	1.20	62	52744	23.034	ug/l	97
5) Bromomethane	1.40	94	42389	23.187	ug/l	86
6) Chloroethane	1.45	64	28433	24.698	ug/l	94
7) Trichlorofluoromethane	1.56	101	120096	25.278	ug/l	96
8) Diethyl Ether	1.72	74	14398	20.029	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.92	101	68976	25.430	ug/l	96
10) Methyl Iodide	1.99	142	120309	26.915	ug/l #	97
11) Tert butyl alcohol	2.70	59	15769	98.164	ug/l #	88
12) 1,1-Dichloroethene	1.88	96	54677	23.712	ug/l	97
13) Acrolein	2.11	56	8882	74.642	ug/l #	74
14) Allyl chloride	2.21	41	80505	39.523	ug/l	96
15) Acrylonitrile	3.09	53	36633	120.388	ug/l	93
16) Acetone	2.35	43	61989	107.811	ug/l #	92
17) Carbon Disulfide	1.92	76	119505	23.769	ug/l	97
18) Methyl Acetate	2.47	43	20904	17.927	ug/l	95
19) Methyl tert-butyl Ether	2.56	73	107838	22.655	ug/l	99
20) Methylene Chloride	2.34	84	34210	16.445	ug/l	96
21) trans-1,2-Dichloroethene	2.43	96	48981	22.295	ug/l	96
22) Diisopropyl ether	2.94	45	143449	22.533	ug/l	96
23) Vinyl Acetate	3.35	43	320304	112.888	ug/l	99
24) 1,1-Dichloroethane	3.02	63	97620	25.372	ug/l	98
25) 2-Butanone	4.53	43	79681	110.307	ug/l	92
26) 2,2-Dichloropropane	3.78	77	64690	30.107	ug/l	97
27) cis-1,2-Dichloroethene	3.65	96	65794	23.958	ug/l	95
28) Bromochloromethane	3.91	49	35984	20.622	ug/l	99
29) Tetrahydrofuran	4.29	42	30819	92.830	ug/l	98
30) Chloroform	4.06	83	129000	24.817	ug/l	99
31) Cyclohexane	3.89	56	70186	22.854	ug/l	90
32) 1,1,1-Trichloroethane	4.31	97	114190	25.631	ug/l	98
36) 1,1-Dichloropropene	4.48	75	82074	22.521	ug/l	99
37) Ethyl Acetate	4.32	43	31548	18.959	ug/l #	99
38) Carbon Tetrachloride	4.20	117	131414	33.868	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	80463	22.015	ug/l	98
40) Benzene	4.84	78	173356	21.601	ug/l	95
41) Methacrylonitrile	4.94	41	14528	16.625	ug/l #	91
42) 1,2-Dichloroethane	5.14	62	70878	21.117	ug/l	98
43) Isopropyl Acetate	7.12	43	32090	19.359	ug/l #	96
44) Trichloroethene	5.70	130	68139	23.113	ug/l	96
45) 1,2-Dichloropropane	6.42	63	41964	23.086	ug/l #	86
46) Dibromomethane	6.28	93	29716	19.717	ug/l	93
47) Bromodichloromethane	6.56	83	81367	21.594	ug/l	97
48) Methyl methacrylate	6.89	41	22232	18.978	ug/l	91
49) 1,4-Dioxane	6.88	88	3410	273.540	ug/l #	80
51) 4-Methyl-2-Pentanone	8.41	43	122282	97.352	ug/l	97
52) Toluene	7.78	92	105191	21.247	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	56899	19.965	ug/l	99
54) cis-1,3-Dichloropropene	7.47	75	72984	22.005	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	34331	21.844	ug/l	91
56) Ethyl methacrylate	8.76	69	30831	18.584	ug/l	96
57) 1,3-Dichloropropane	9.01	76	55655	23.444	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.46	63	43731	87.677	ug/l	97
59) 2-Hexanone	9.63	43	89369	102.876	ug/l	96
60) Dibromochloromethane	8.87	129	60440	23.513	ug/l	97
61) 1,2-Dibromoethane	9.14	107	40946	22.167	ug/l	99
64) Tetrachloroethene	8.32	164	64084	21.610	ug/l	95
65) Chlorobenzene	9.94	112	140867	23.307	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.07	131	70485	23.118	ug/l	96
67) Ethyl Benzene	10.03	91	247052	23.343	ug/l	98
68) m/p-Xylenes	10.27	106	182029	46.615	ug/l	98
69) o-Xylene	10.82	106	92859	22.007	ug/l	90
70) Styrene	10.89	104	136678	21.613	ug/l	99
71) Bromoform	10.88	173	31721	18.990	ug/l #	95
73) Isopropylbenzene	11.22	105	302188	22.441	ug/l	100
74) N-amyl acetate	11.45	43	60196	20.822	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	42897	20.345	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	30702	19.086	ug/l #	100
77) Bromobenzene	11.58	156	77664	21.976	ug/l	95
78) n-propylbenzene	11.68	91	321741	22.442	ug/l	99
79) 2-Chlorotoluene	11.80	91	197766	22.184	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	257350	21.804	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	10231	16.920	ug/l #	90
82) 4-Chlorotoluene	11.97	91	195119	22.160	ug/l	100
83) tert-Butylbenzene	12.20	119	274101	22.098	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	261282	22.621	ug/l	99
85) sec-Butylbenzene	12.37	105	337552	22.357	ug/l	100
86) p-Isopropyltoluene	12.53	119	314201	22.399	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	140908	21.831	ug/l	99
88) 1,4-Dichlorobenzene	12.62	146	136257	21.873	ug/l	99
89) n-Butylbenzene	12.90	91	299245	23.978	ug/l	99
90) Hexachloroethane	12.98	117	75196	21.469	ug/l	95
91) 1,2-Dichlorobenzene	13.00	146	144855	23.187	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	8212	17.385	ug/l	95

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QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

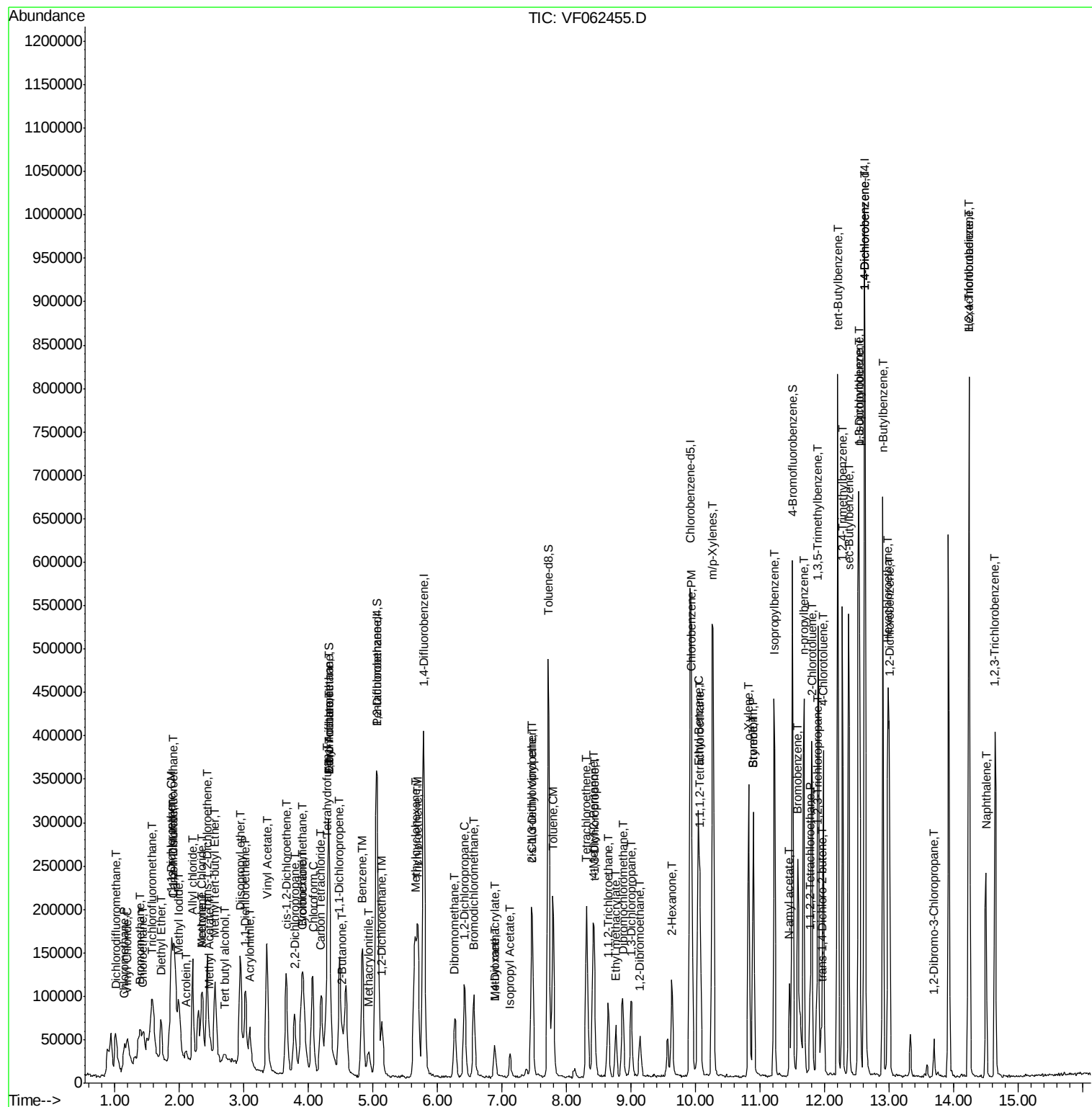
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	129765	23.157	ug/l	98
94) Hexachlorobutadiene	14.23	225	96638	23.138	ug/l	95
95) Naphthalene	14.50	128	173286	20.569	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	123442	22.739	ug/l	99

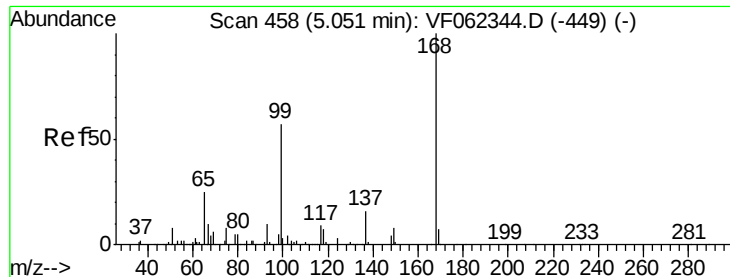
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.01 min

Lab File: VF062455.D

Acq: 11 May 2019 12:56

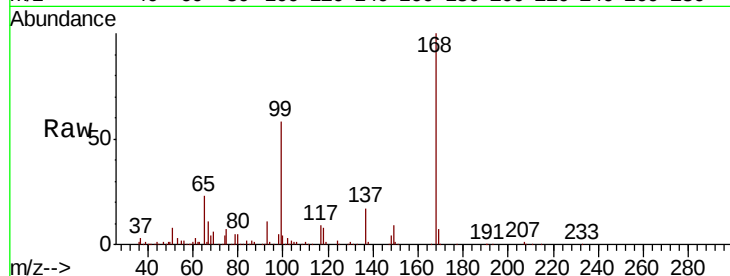
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 300759

Ion Ratio Lower Upper

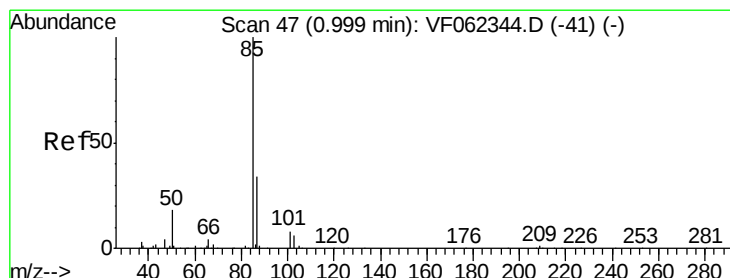
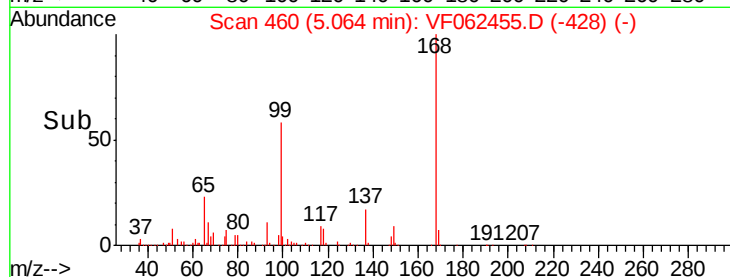
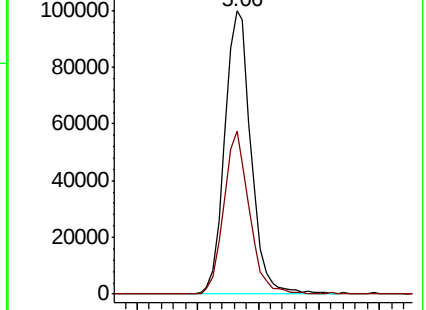
168 100

99 57.8 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0



#2

Dichlorodifluoromethane

Concen: 25.215 ug/l

RT: 1.01 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF062455.D

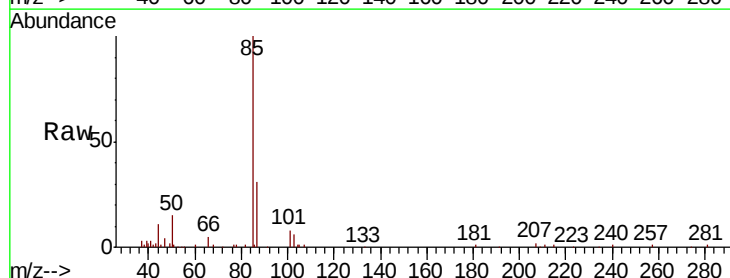
Acq: 11 May 2019 12:56

Tgt Ion: 85 Resp: 87767

Ion Ratio Lower Upper

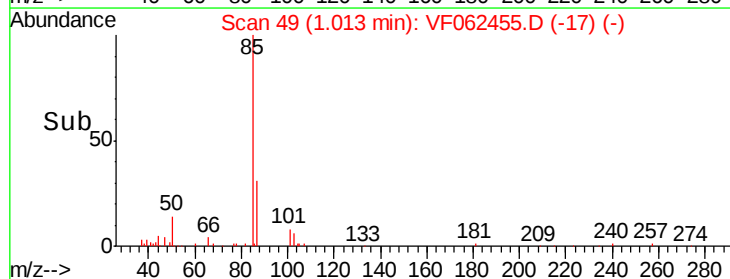
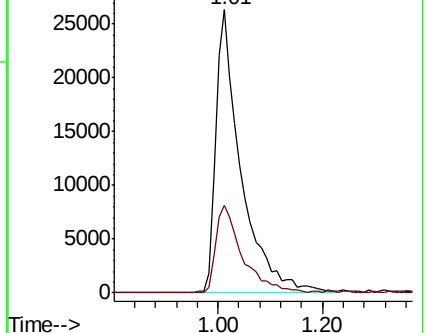
85 100

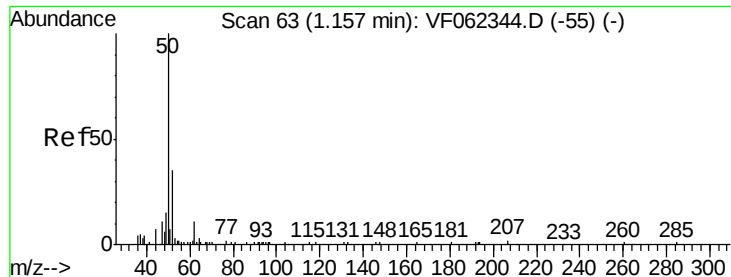
87 31.1 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0





#3

Chloromethane

Concen: 22.205 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.01 min

Lab File: VF062455.D

Acq: 11 May 2019 12:56

Instrument :

MSVOA_F

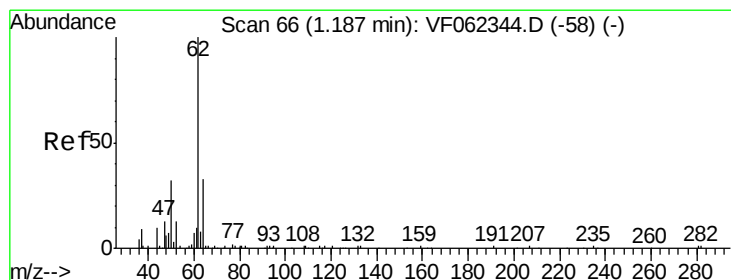
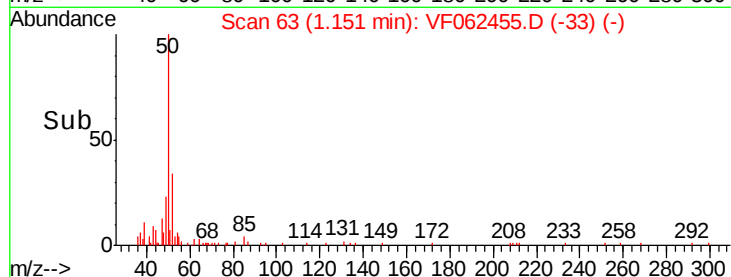
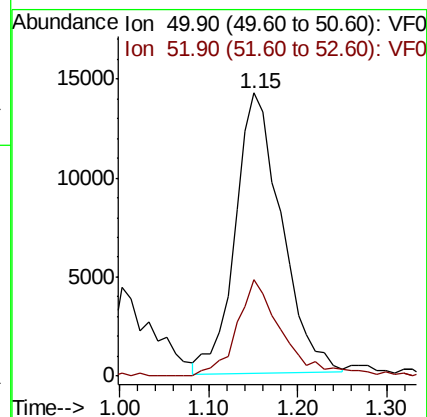
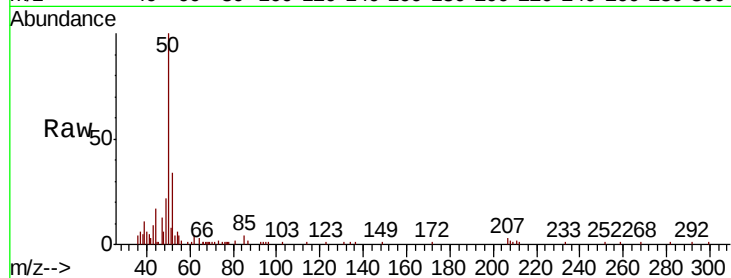
ClientSampleId :

Tot Ion: 50 Resp: 50975

Ion Ratio Lower Upper

50 100

52 34.8 26.1 39.1



#4

Vinyl Chloride

Concen: 23.034 ug/l

RT: 1.20 min Scan# 68

Delta R.T. 0.01 min

Lab File: VF062455.D

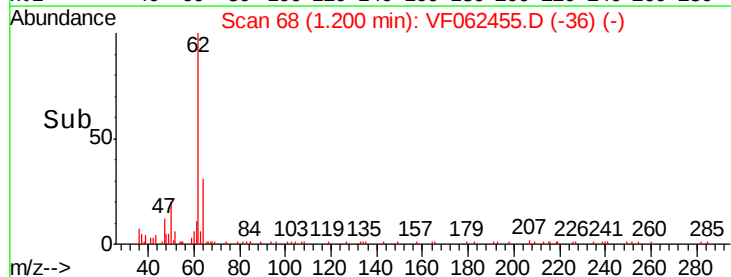
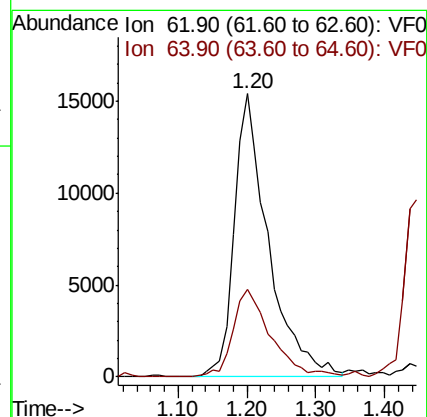
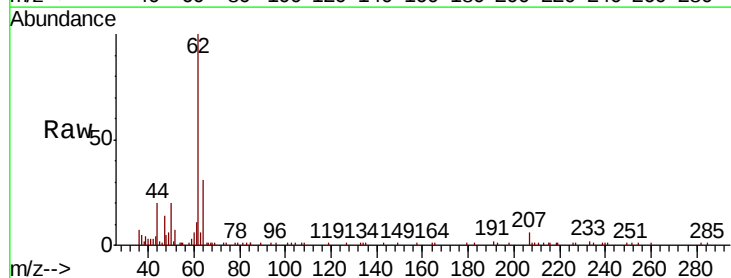
Acq: 11 May 2019 12:56

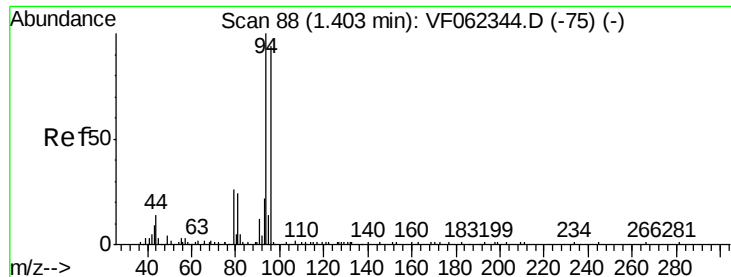
Tgt Ion: 62 Resp: 52744

Ion Ratio Lower Upper

62 100

64 30.9 26.1 39.1





#5

Bromomethane

Concen: 23.187 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF062455.D

Acq: 11 May 2019 12:56

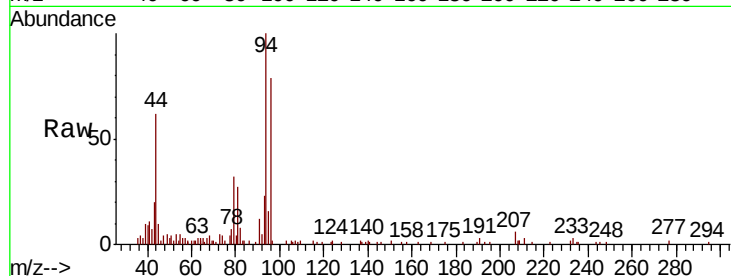
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 42389

Ion Ratio Lower Upper

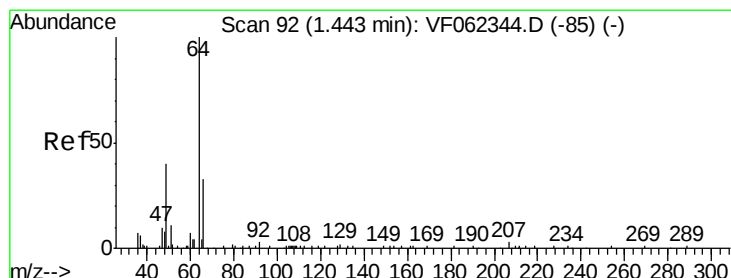
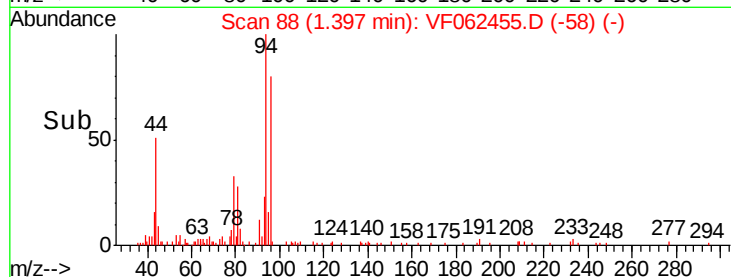
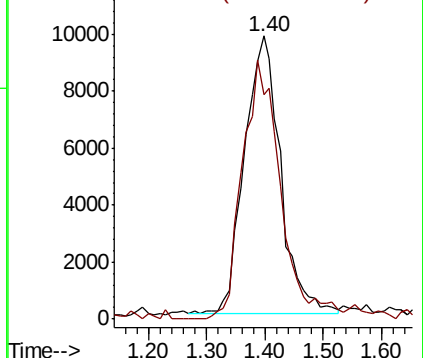
94 100

96 80.8 75.4 113.2



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0



#6

Chloroethane

Concen: 24.698 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.00 min

Lab File: VF062455.D

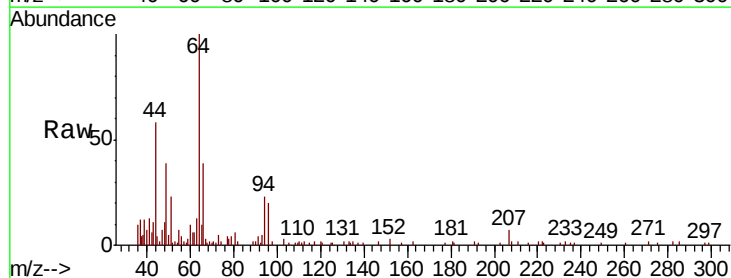
Acq: 11 May 2019 12:56

Tgt Ion: 64 Resp: 28433

Ion Ratio Lower Upper

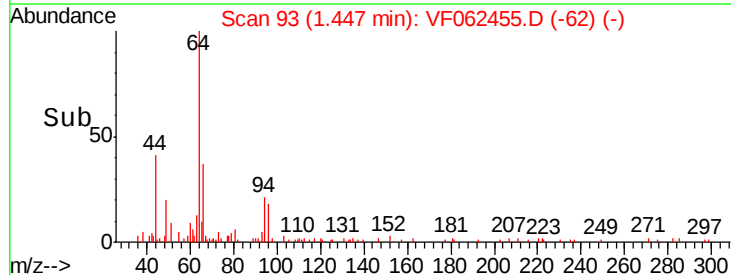
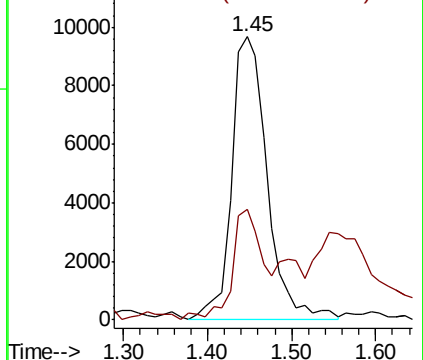
64 100

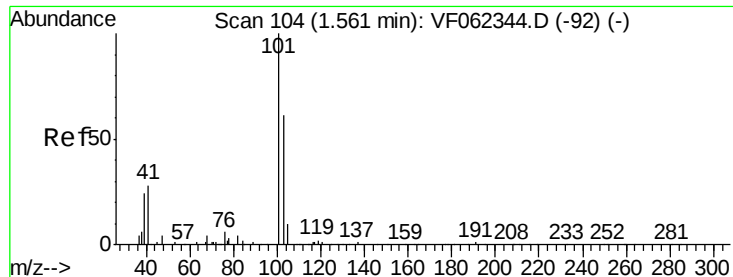
66 36.4 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VF0

Ion 65.90 (65.60 to 66.60): VF0



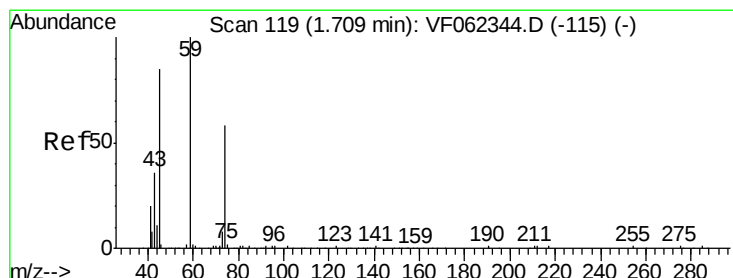
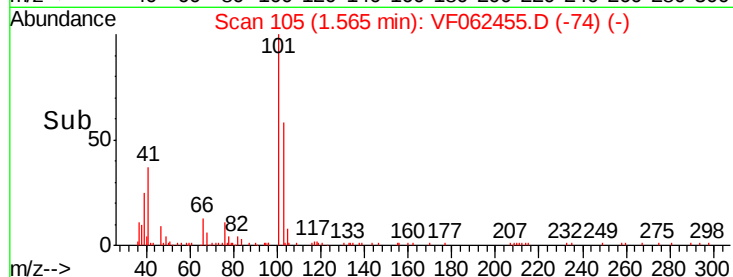
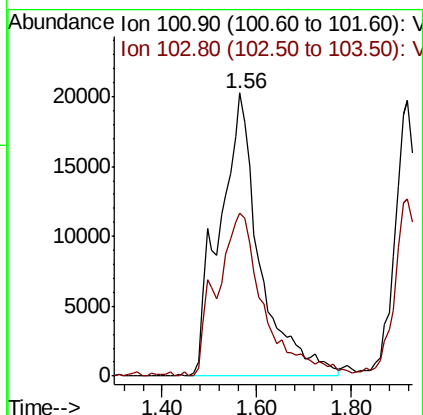
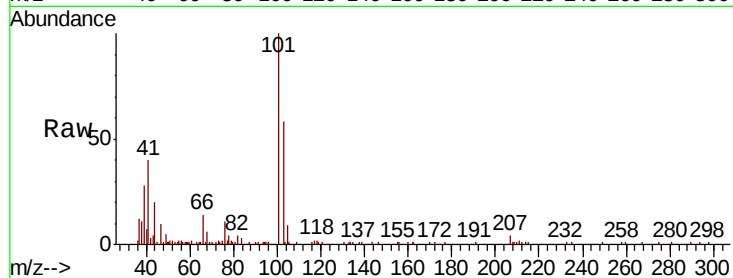


#7

Trichlorofluoromethane
Concen: 25.278 ug/l
RT: 1.56 min Scan# 105
Delta R.T. 0.00 min
Lab File: VF062455.D
Acq: 11 May 2019 12:56

Instrument :
MSVOA_F
ClientSampleId :

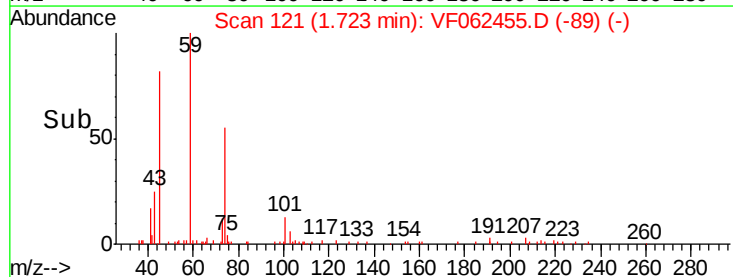
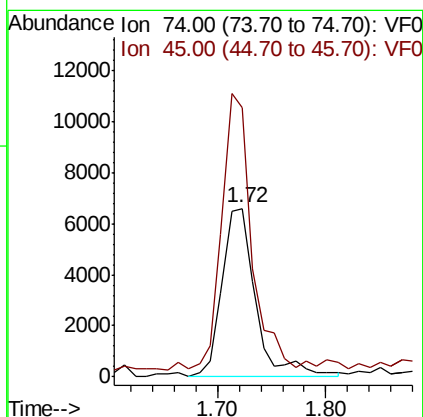
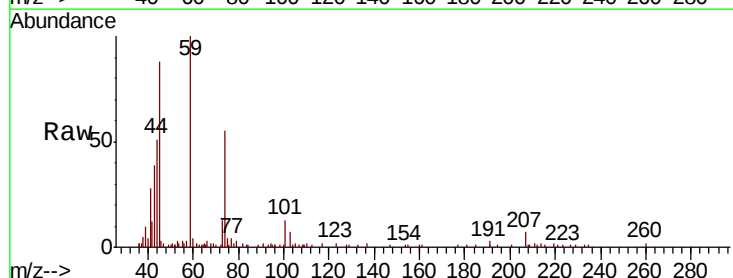
Tot Ion:101 Resp: 120096
Ion Ratio Lower Upper
101 100
103 57.7 48.5 72.7

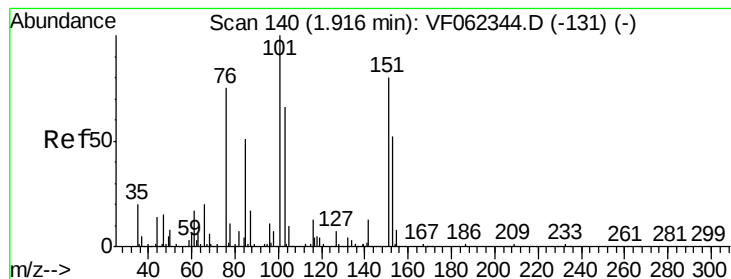


#8

Diethyl Ether
Concen: 20.029 ug/l
RT: 1.72 min Scan# 121
Delta R.T. 0.01 min
Lab File: VF062455.D
Acq: 11 May 2019 12:56

Tgt Ion: 74 Resp: 14398
Ion Ratio Lower Upper
74 100
45 143.8 73.9 221.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 25.430 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.00 min

Lab File: VF062455.D

Acq: 11 May 2019 12:56

Instrument :

MSVOA_F

ClientSampleId :

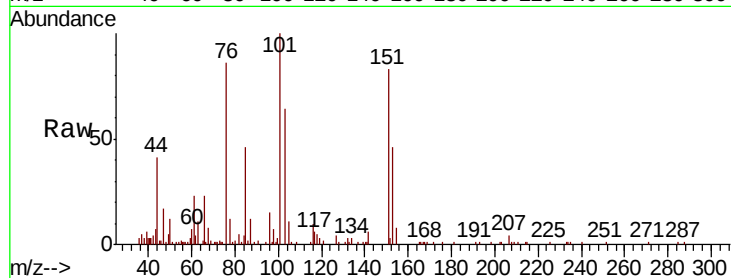
Tot Ion:101 Resp: 68976

Ion Ratio Lower Upper

101 100

85 52.2 39.5 59.3

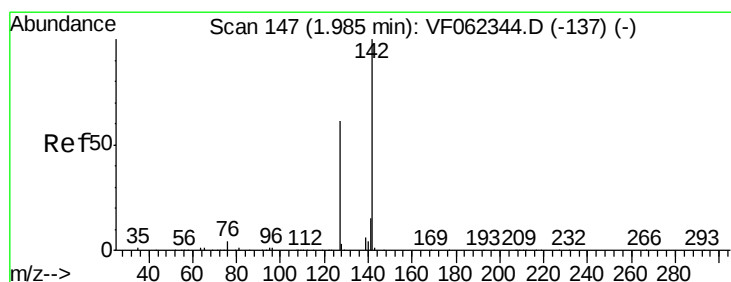
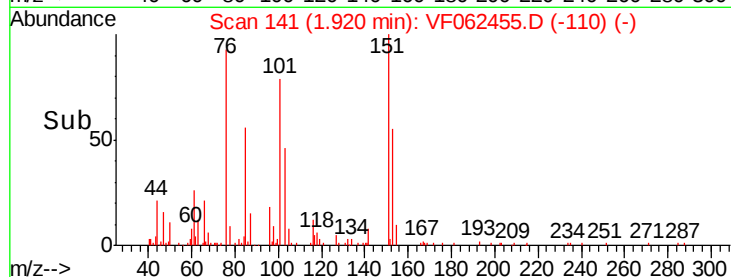
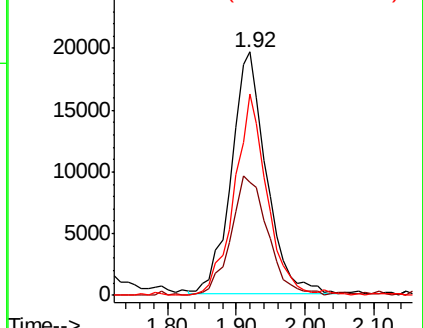
151 77.8 59.9 89.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VF0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 26.915 ug/l

RT: 1.99 min Scan# 148

Delta R.T. 0.00 min

Lab File: VF062455.D

Acq: 11 May 2019 12:56

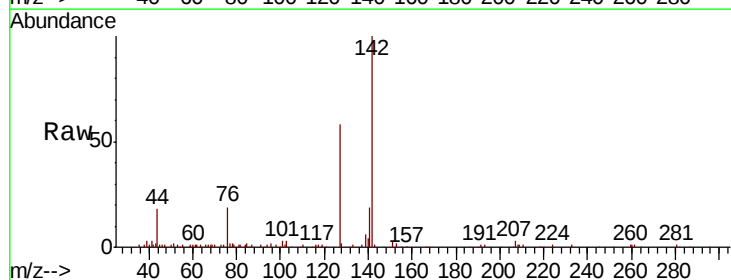
Tgt Ion:142 Resp: 120309

Ion Ratio Lower Upper

142 100

127 59.6 48.4 72.6

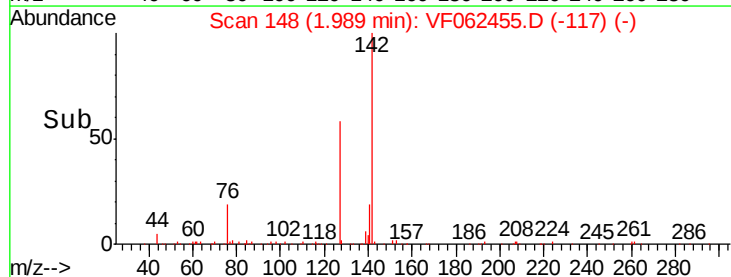
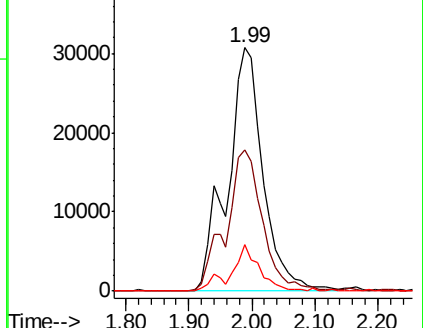
141 11.6 12.2 18.4#

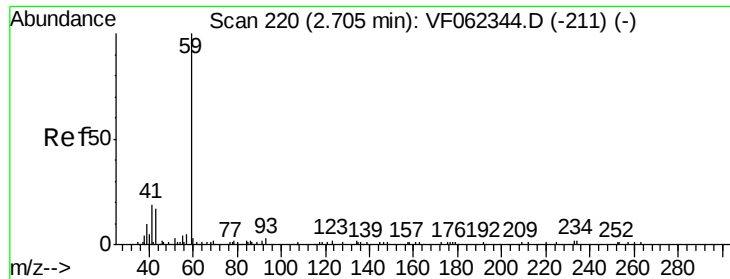


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



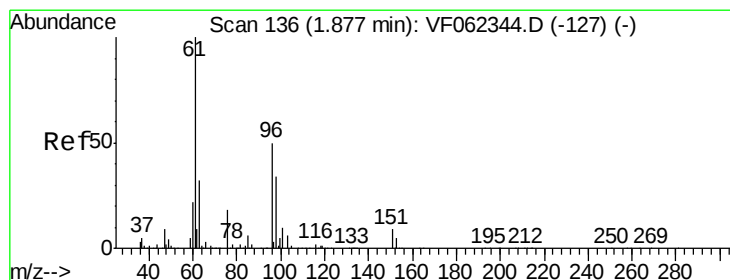
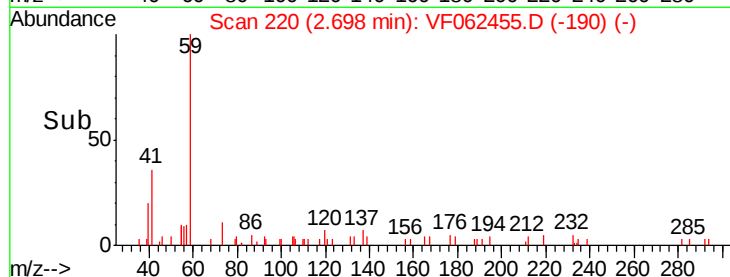
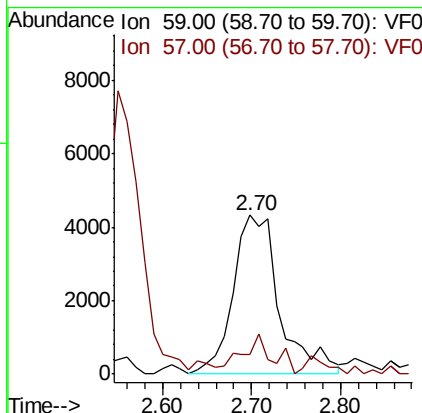
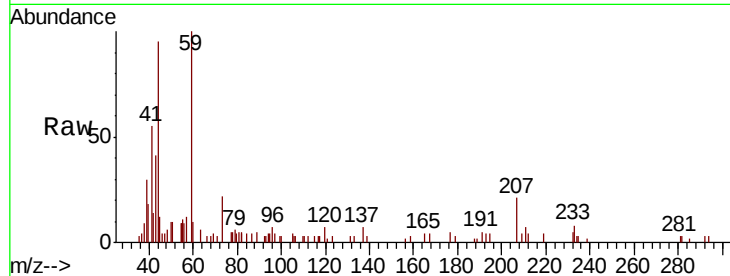


#11

Tert butyl alcohol
 Concen: 98.164 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VF062455.D
 Acq: 11 May 2019 12:56

Instrument :
 MSVOA_F
 ClientSampled :

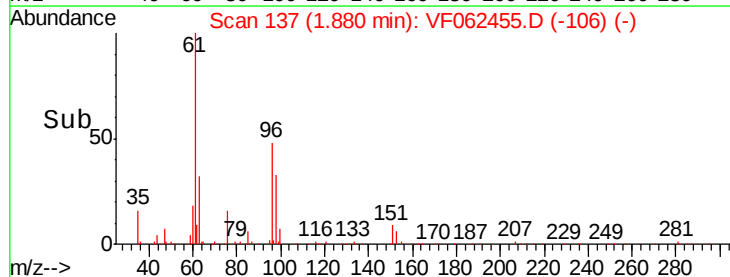
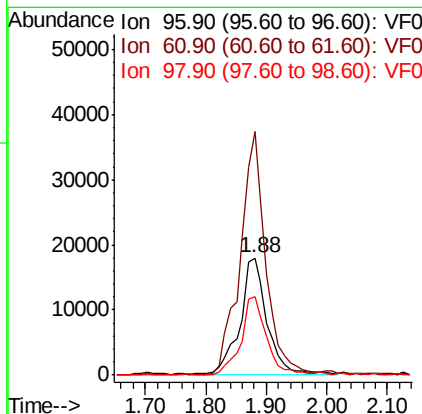
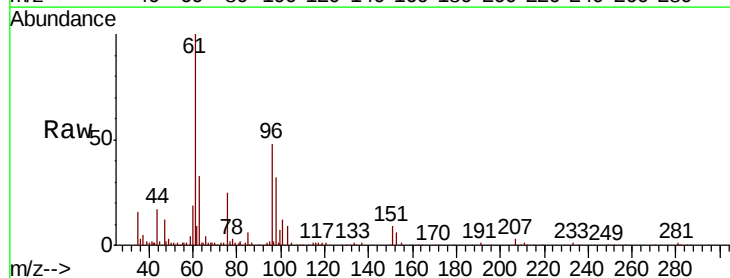
Tot Ion: 59 Resp: 15769
 Ion Ratio Lower Upper
 59 100
 57 16.3 9.3 13.9#

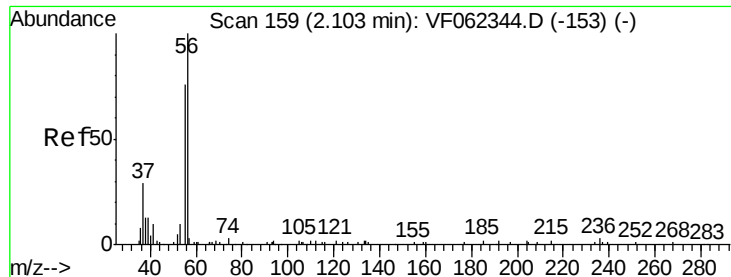


#12

1,1-Dichloroethene
 Concen: 23.712 ug/l
 RT: 1.88 min Scan# 137
 Delta R.T. 0.00 min
 Lab File: VF062455.D
 Acq: 11 May 2019 12:56

Tgt Ion: 96 Resp: 54677
 Ion Ratio Lower Upper
 96 100
 61 209.4 163.2 244.8
 98 67.0 55.2 82.8





#13

Acrolein

Concen: 74.642 ug/l

RT: 2.11 min Scan# 160

Delta R.T. 0.00 min

Lab File: VF062455.D

Acq: 11 May 2019 12:56

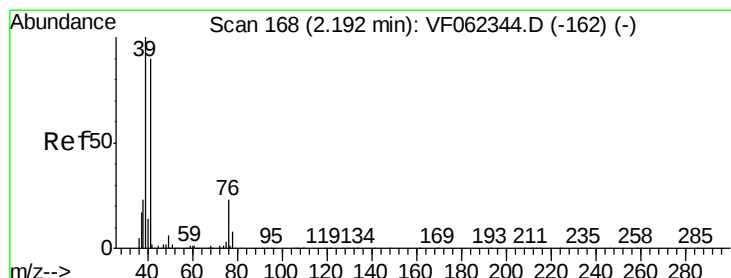
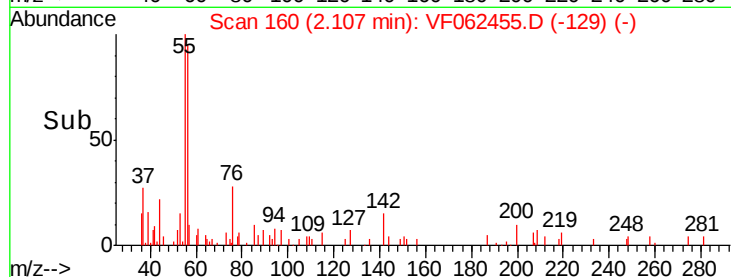
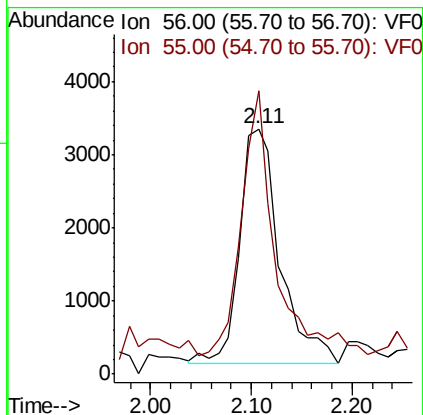
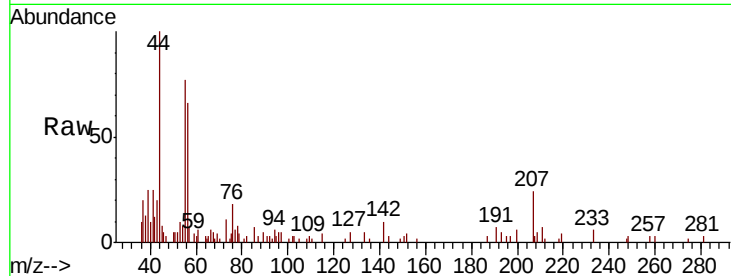
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 8882

Ion Ratio Lower Upper

56 100

55 94.9 58.4 87.6#



#14

Allyl chloride

Concen: 39.523 ug/l

RT: 2.21 min Scan# 170

Delta R.T. 0.01 min

Lab File: VF062455.D

Acq: 11 May 2019 12:56

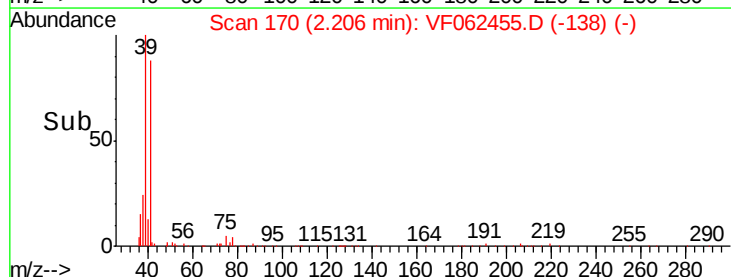
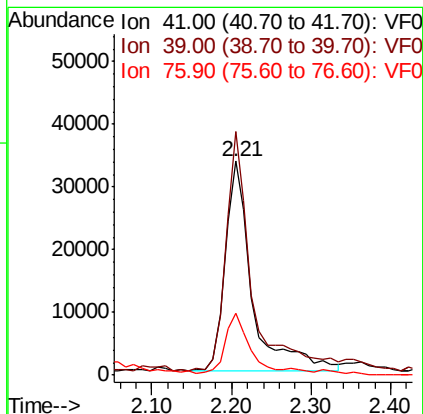
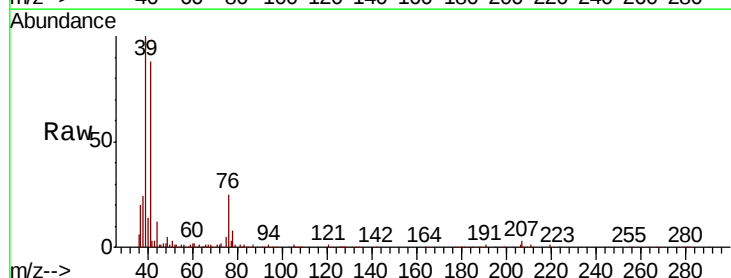
Tgt Ion: 41 Resp: 80505

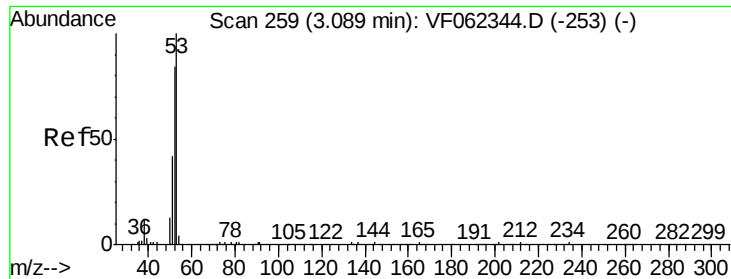
Ion Ratio Lower Upper

41 100

39 109.8 90.8 136.2

76 24.0 22.2 33.4





#15

Acrylonitrile

Concen: 120.388 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF062455.D

Acq: 11 May 2019 12:56

Instrument :
MSVOA_F
ClientSampleId :

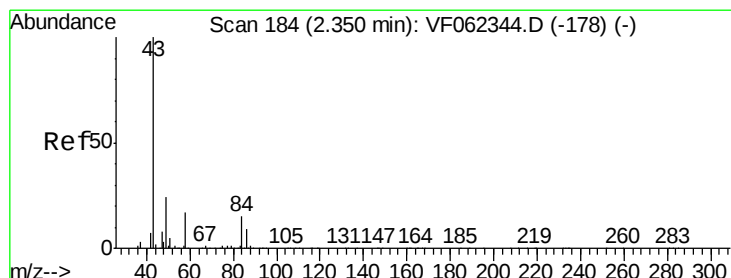
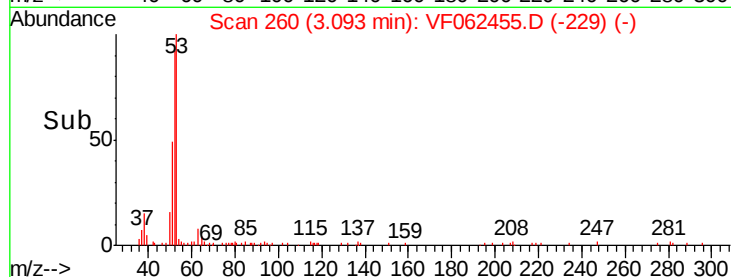
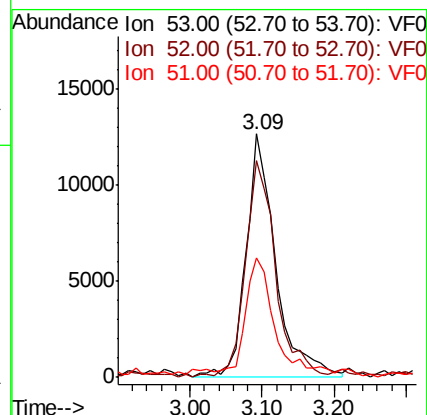
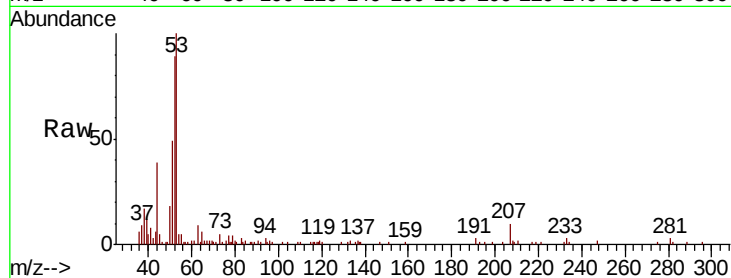
Tot Ion: 53 Resp: 36633

Ion Ratio Lower Upper

53 100

52 91.2 77.2 115.8

51 43.8 40.6 61.0



#16

Acetone

Concen: 107.811 ug/l

RT: 2.35 min Scan# 185

Delta R.T. 0.00 min

Lab File: VF062455.D

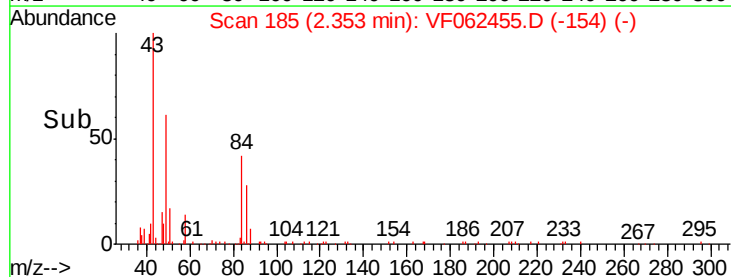
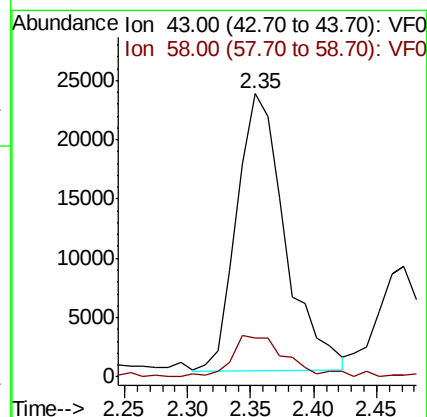
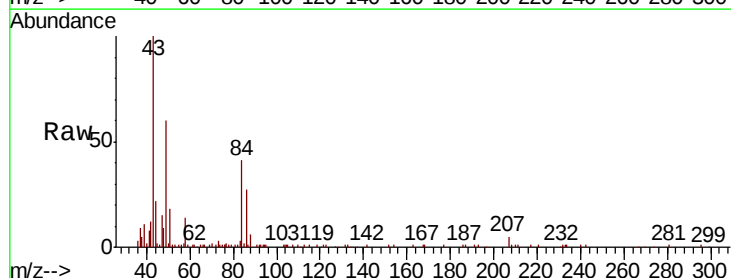
Acq: 11 May 2019 12:56

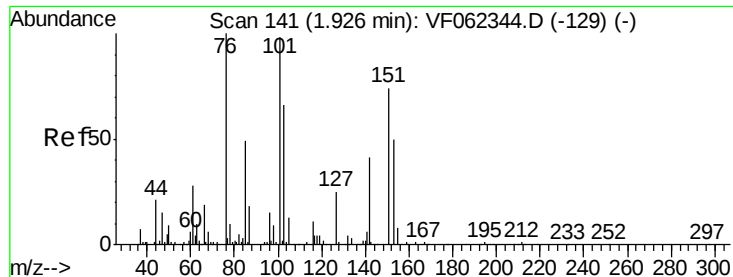
Tgt Ion: 43 Resp: 61989

Ion Ratio Lower Upper

43 100

58 13.1 13.1 19.7#





#17

Carbon Disulfide

Concen: 23.769 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.01 min

Lab File: VF062455.D

Acq: 11 May 2019 12:56

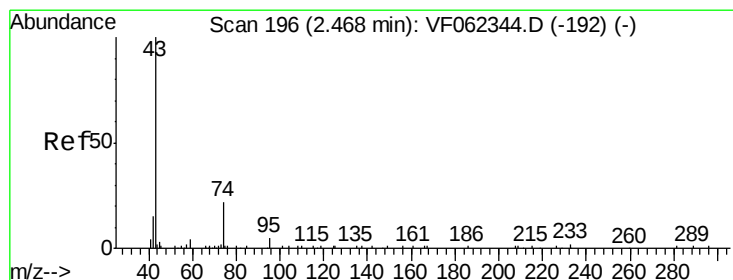
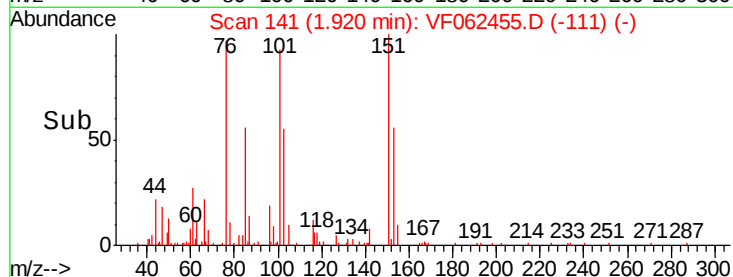
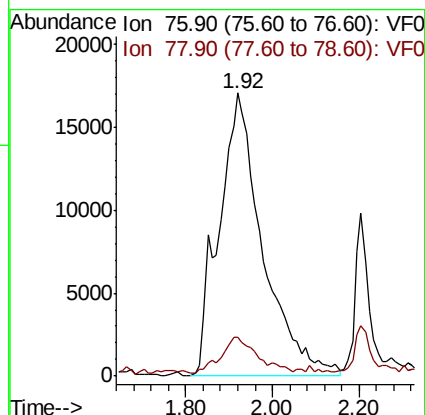
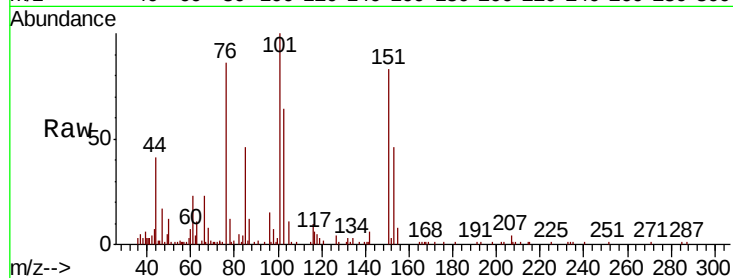
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 119505

Ion Ratio Lower Upper

76 100

78 12.5 9.0 13.4



#18

Methyl Acetate

Concen: 17.927 ug/l

RT: 2.47 min Scan# 197

Delta R.T. 0.00 min

Lab File: VF062455.D

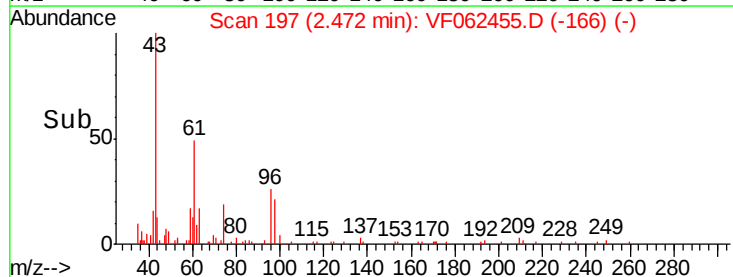
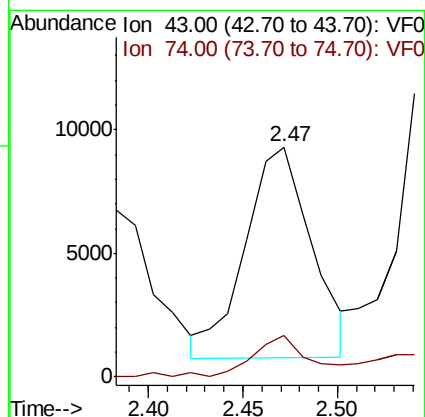
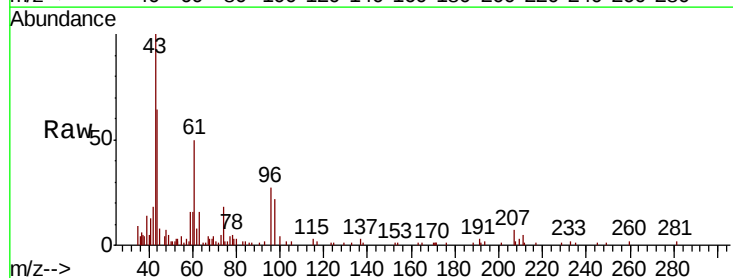
Acq: 11 May 2019 12:56

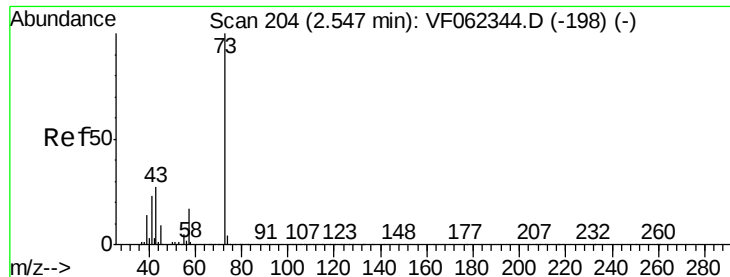
Tgt Ion: 43 Resp: 20904

Ion Ratio Lower Upper

43 100

74 16.5 15.0 22.4



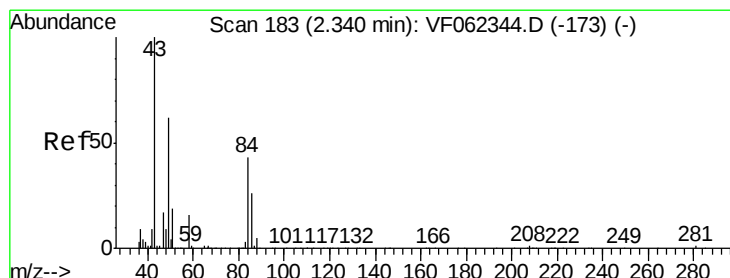
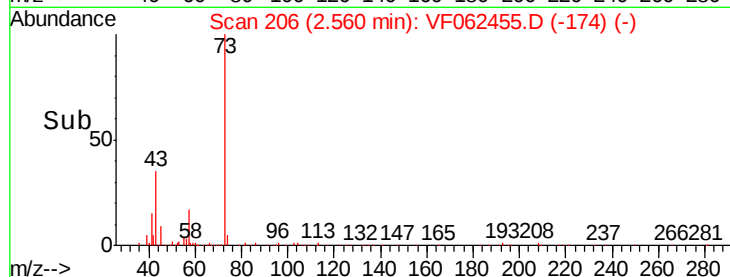
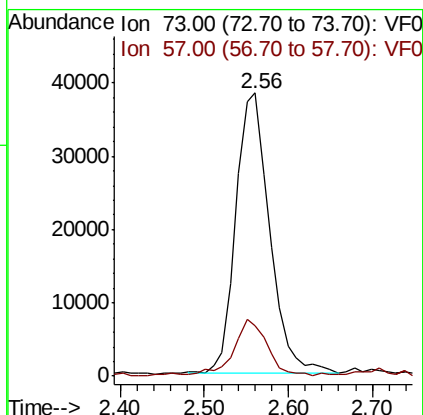
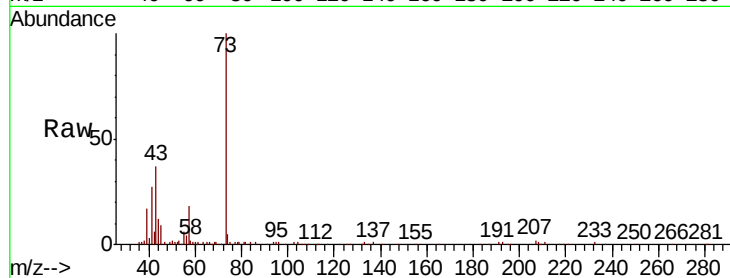


#19

Methyl tert-butyl Ether
 Concen: 22.655 ug/l
 RT: 2.56 min Scan# 206
 Delta R.T. 0.01 min
 Lab File: VF062455.D
 Acq: 11 May 2019 12:56

Instrument :
 MSVOA_F
 ClientSampleId :

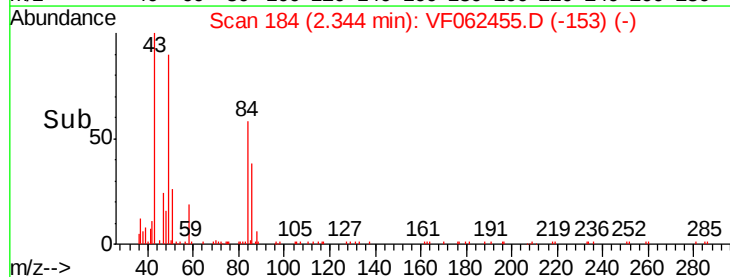
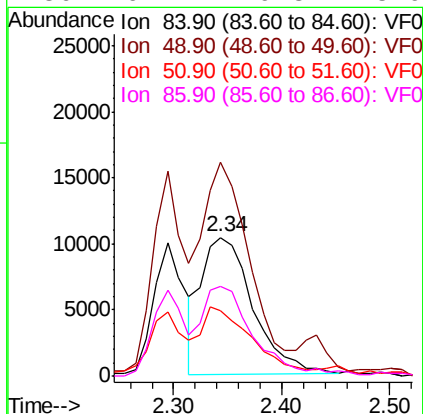
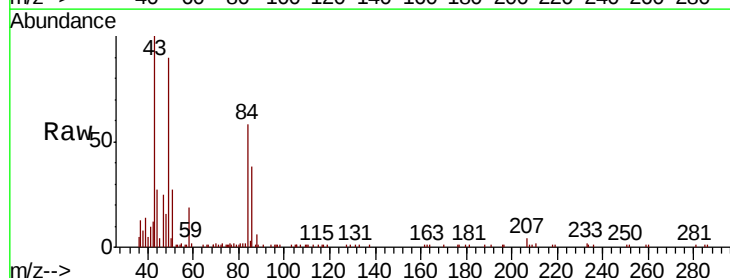
Tot Ion: 73 Resp: 107838
 Ion Ratio Lower Upper
 73 100
 57 17.5 13.7 20.5

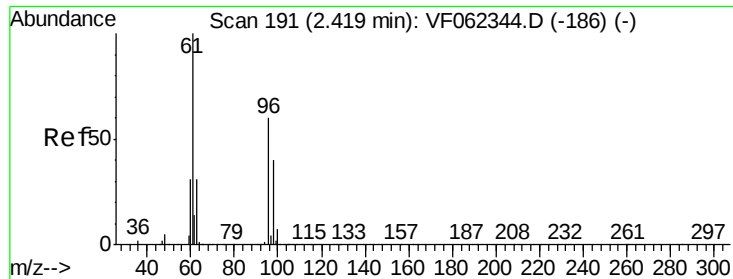


#20

Methylene Chloride
 Concen: 16.445 ug/l
 RT: 2.34 min Scan# 184
 Delta R.T. 0.00 min
 Lab File: VF062455.D
 Acq: 11 May 2019 12:56

Tgt Ion: 84 Resp: 34210
 Ion Ratio Lower Upper
 84 100
 49 150.6 117.5 176.3
 51 40.7 37.0 55.4
 86 62.7 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 22.295 ug/l

RT: 2.43 min Scan# 193

Delta R.T. 0.01 min

Lab File: VF062455.D

Acq: 11 May 2019 12:56

Instrument :
MSVOA_F
ClientSampleId :

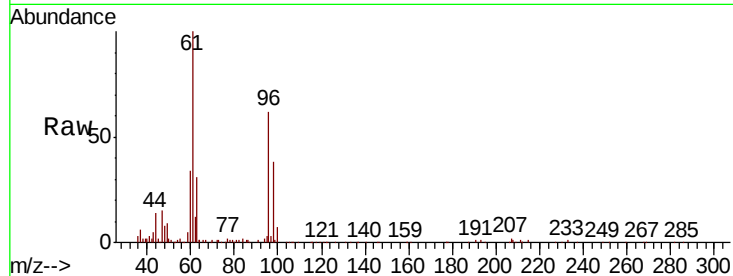
Tot Ion: 96 Resp: 48981

Ion Ratio Lower Upper

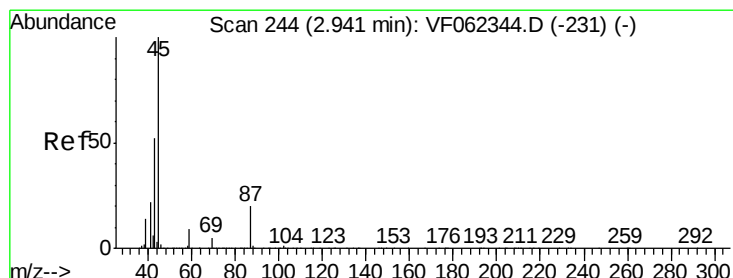
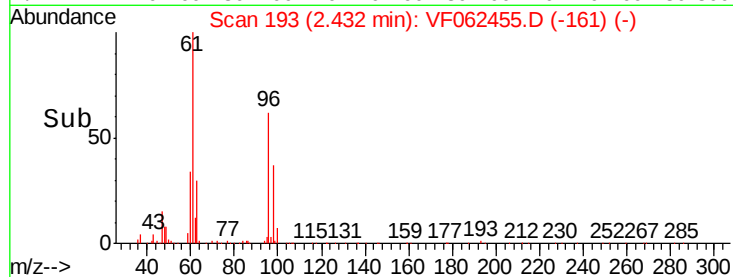
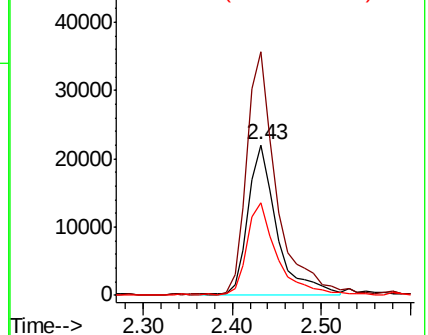
96 100

61 161.5 133.2 199.8

98 61.7 53.1 79.7



Abundance Ion 95.90 (95.60 to 96.60): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 97.90 (97.60 to 98.60): VF0



#22

Diisopropyl ether

Concen: 22.533 ug/l

RT: 2.94 min Scan# 245

Delta R.T. 0.00 min

Lab File: VF062455.D

Acq: 11 May 2019 12:56

Tgt Ion: 45 Resp: 143449

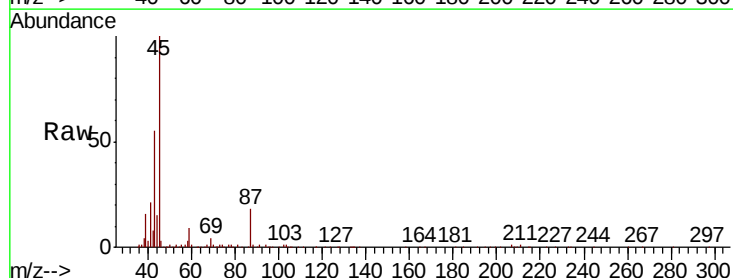
Ion Ratio Lower Upper

45 100

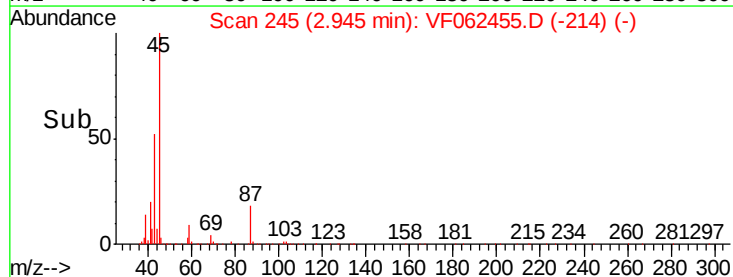
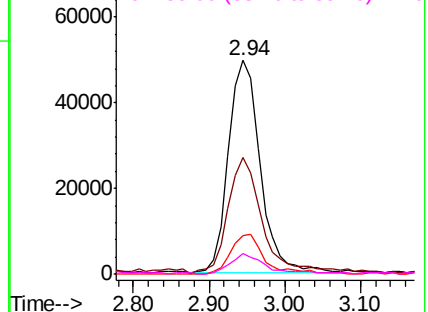
43 54.9 41.4 62.0

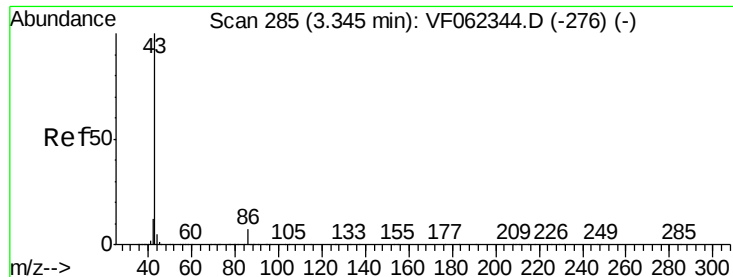
87 18.2 15.8 23.6

59 9.0 7.2 10.8



Abundance Ion 45.00 (44.70 to 45.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 87.00 (86.70 to 87.70): VF0
Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 112.888 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.00 min

Lab File: VF062455.D

Acq: 11 May 2019 12:56

Instrument :

MSVOA_F

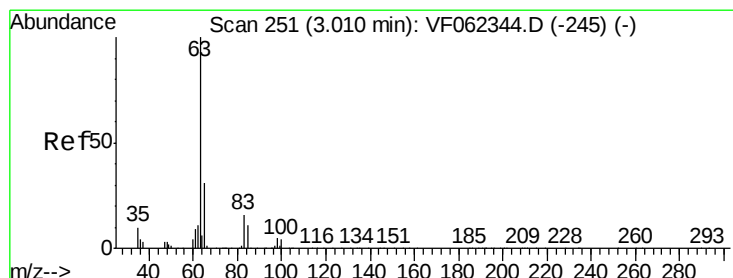
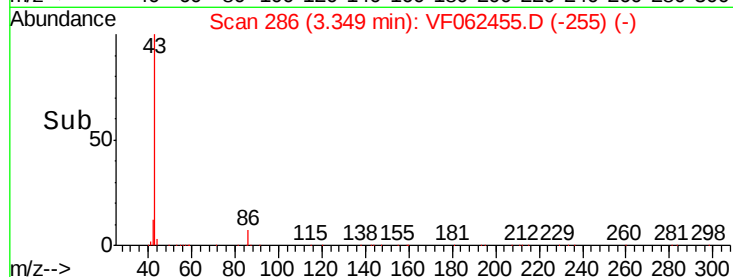
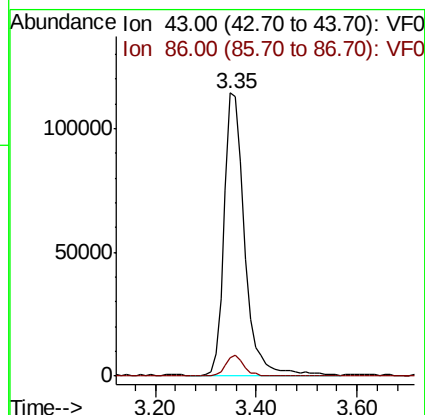
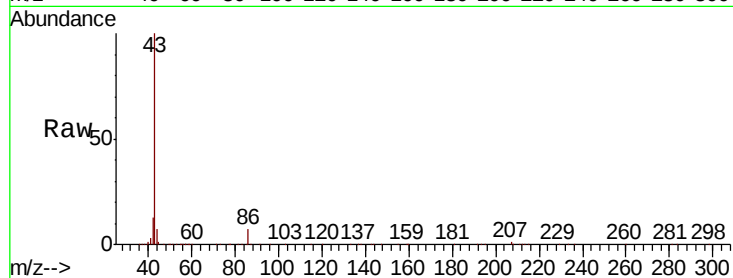
ClientSampled :

Tot Ion: 43 Resp: 320304

Ion Ratio Lower Upper

43 100

86 6.7 5.7 8.5



#24

1,1-Dichloroethane

Concen: 25.372 ug/l

RT: 3.02 min Scan# 253

Delta R.T. 0.01 min

Lab File: VF062455.D

Acq: 11 May 2019 12:56

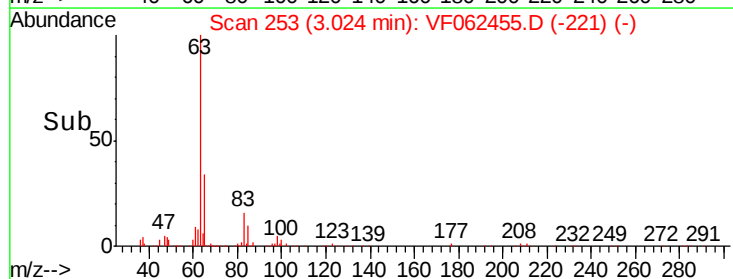
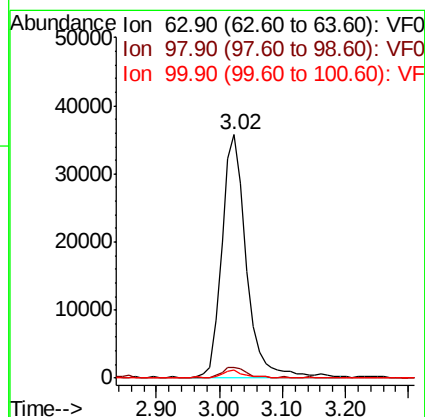
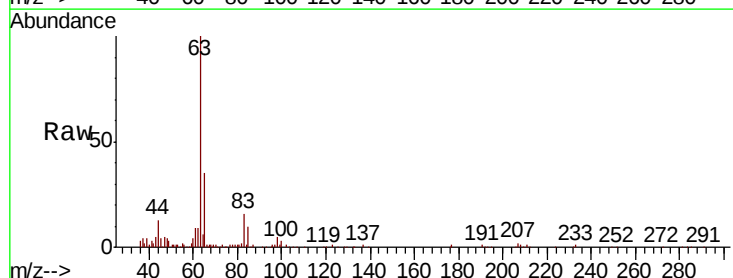
Tgt Ion: 63 Resp: 97620

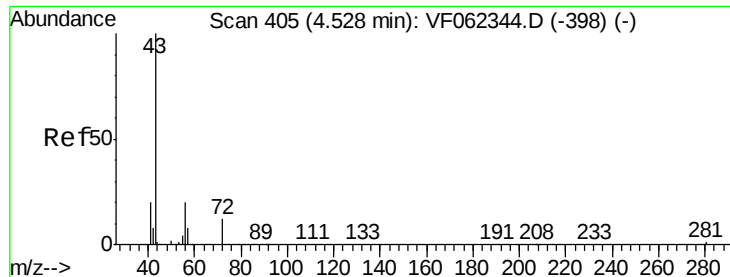
Ion Ratio Lower Upper

63 100

98 4.6 2.6 8.0

100 3.3 1.8 5.4





#25

2-Butanone

Concen: 110.307 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.00 min

Lab File: VF062455.D

Acq: 11 May 2019 12:56

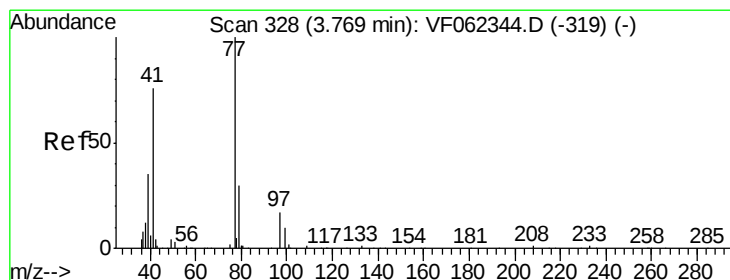
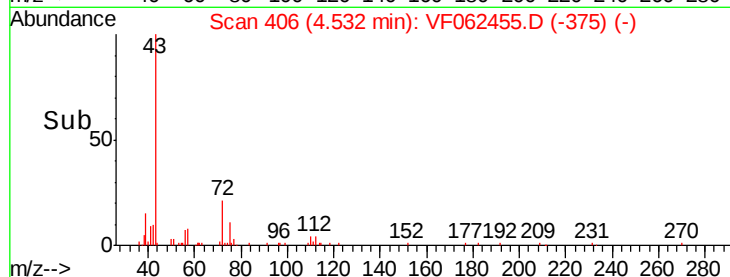
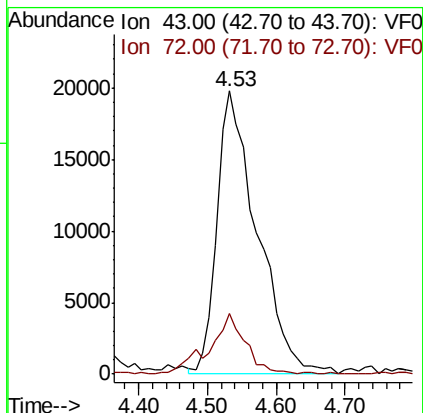
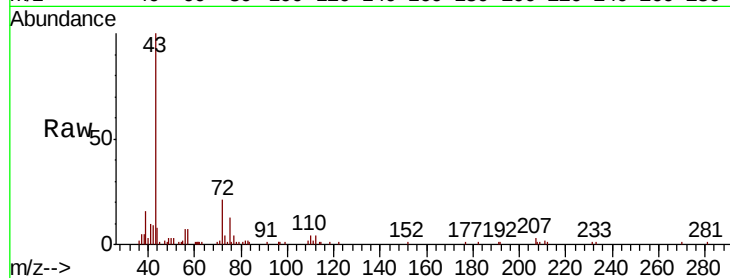
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 79681

Ion Ratio Lower Upper

43 100

72 21.3 14.2 21.4



#26

2,2-Dichloropropane

Concen: 30.107 ug/l

RT: 3.78 min Scan# 330

Delta R.T. 0.01 min

Lab File: VF062455.D

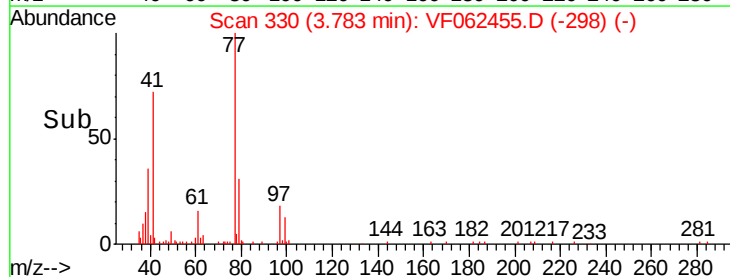
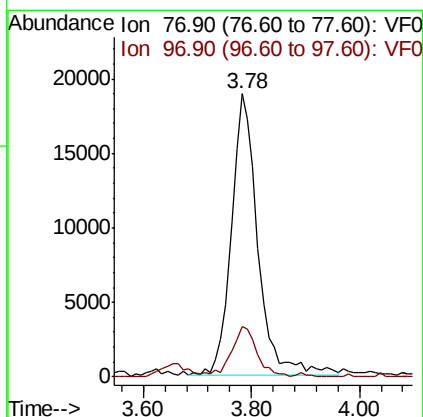
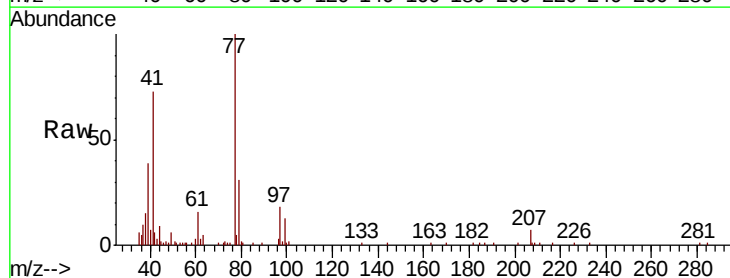
Acq: 11 May 2019 12:56

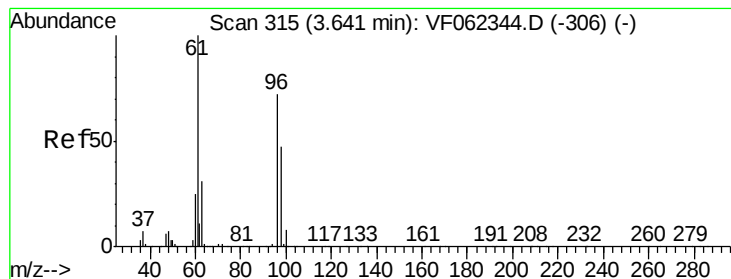
Tgt Ion: 77 Resp: 64690

Ion Ratio Lower Upper

77 100

97 17.4 9.5 28.5



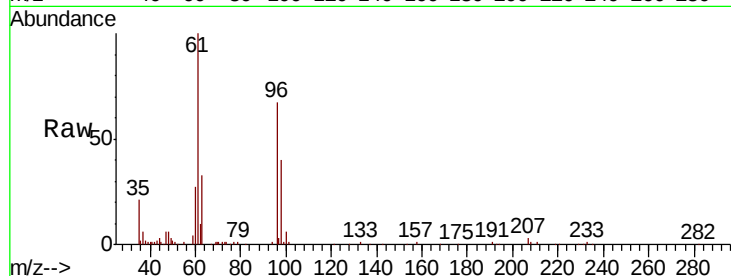


#27

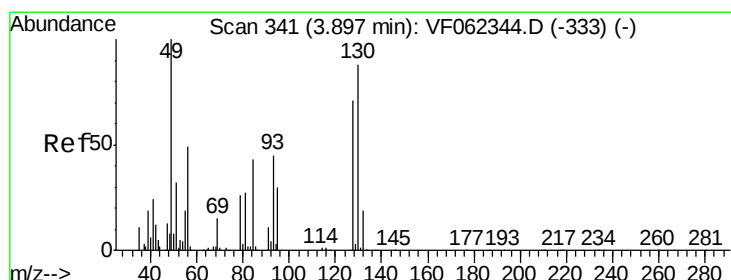
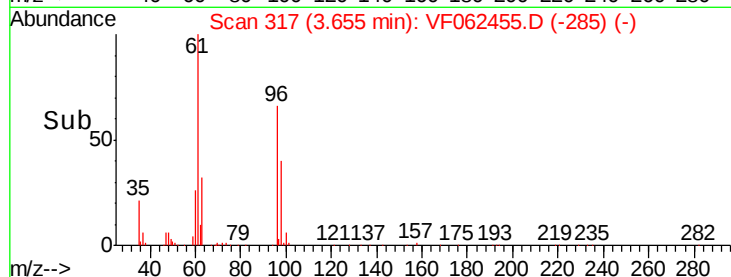
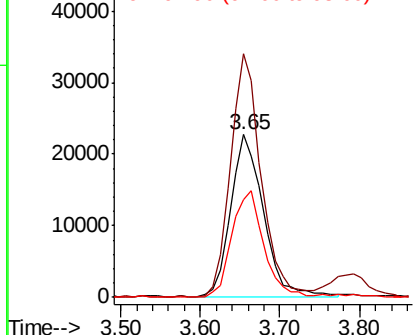
cis-1,2-Dichloroethene
Concen: 23.958 ug/l
RT: 3.65 min Scan# 317
Delta R.T. 0.01 min
Lab File: VF062455.D
Acq: 11 May 2019 12:56

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 96 Resp: 65794
Ion Ratio Lower Upper
96 100
61 138.6 0.0 263.0
98 63.5 0.0 130.8



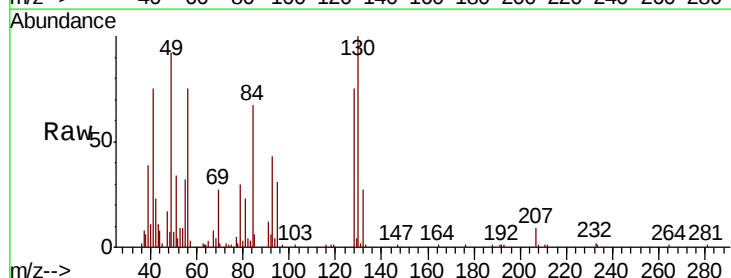
Abundance Ion 95.90 (95.60 to 96.60): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 97.90 (97.60 to 98.60): VF0



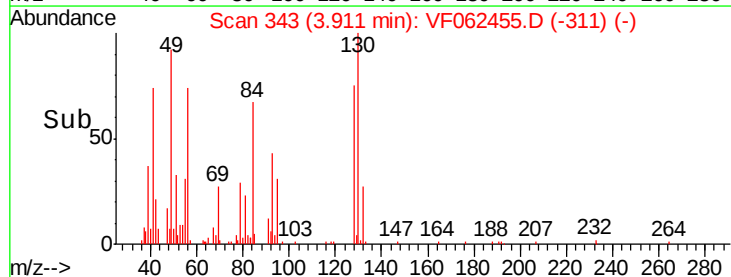
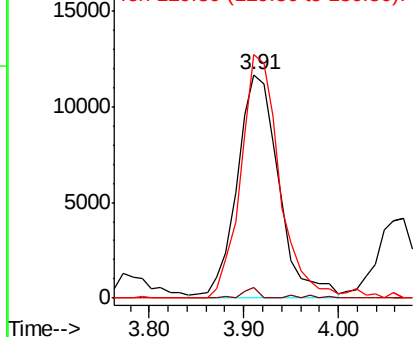
#28

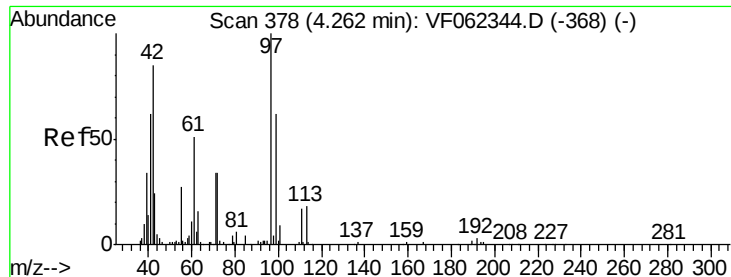
Bromochloromethane
Concen: 20.622 ug/l
RT: 3.91 min Scan# 343
Delta R.T. 0.01 min
Lab File: VF062455.D
Acq: 11 May 2019 12:56

Tgt Ion: 49 Resp: 35984
Ion Ratio Lower Upper
49 100
129 1.7 0.0 2.2
130 100.3 79.4 119.0



Abundance Ion 48.90 (48.60 to 49.60): VF0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 92.830 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.02 min

Lab File: VF062455.D

Acq: 11 May 2019 12:56

Instrument :
MSVOA_F
ClientSampleId :

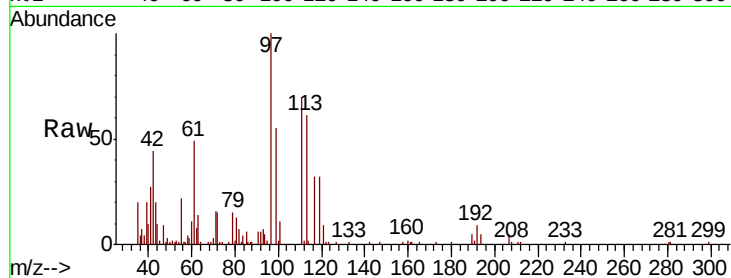
Tot Ion: 42 Resp: 30819

Ion Ratio Lower Upper

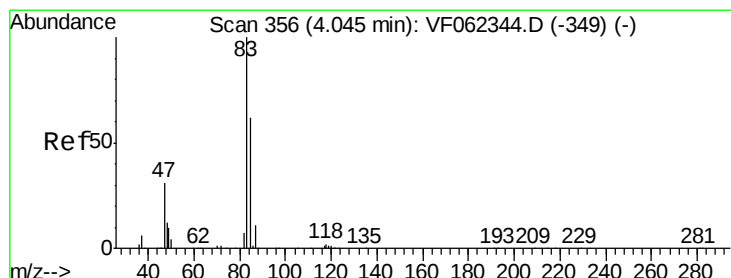
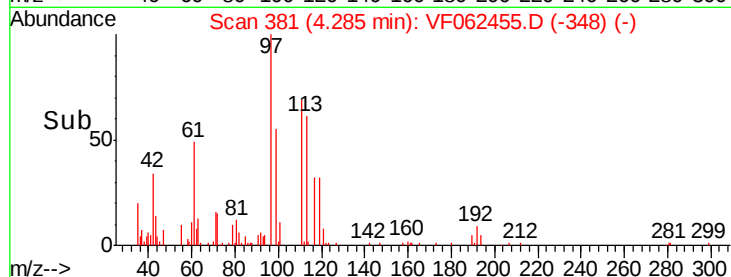
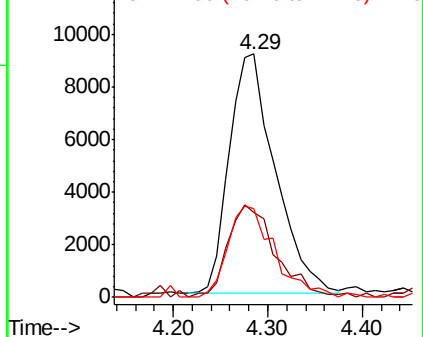
42 100

72 40.6 31.4 47.0

71 39.0 31.7 47.5



Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 24.817 ug/l

RT: 4.06 min Scan# 358

Delta R.T. 0.01 min

Lab File: VF062455.D

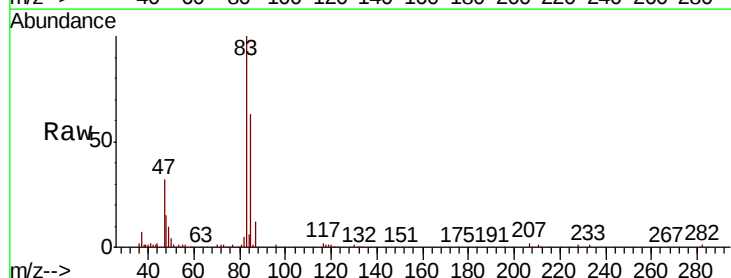
Acq: 11 May 2019 12:56

Tgt Ion: 83 Resp: 129000

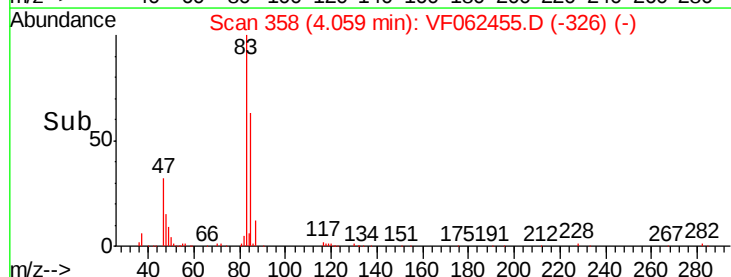
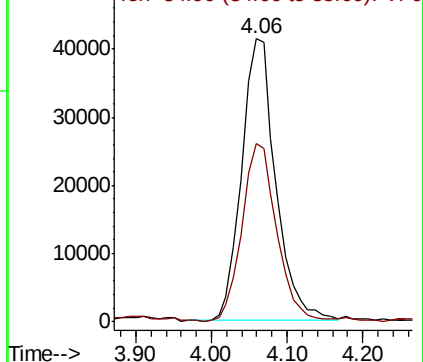
Ion Ratio Lower Upper

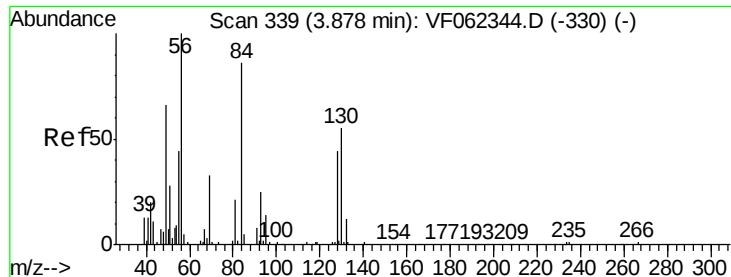
83 100

85 62.9 49.6 74.4



Abundance Ion 82.90 (82.60 to 83.60): VF0
Ion 84.90 (84.60 to 85.60): VF0





#31

Cyclohexane

Concen: 22.854 ug/l

RT: 3.89 min Scan# 341

Delta R.T. 0.01 min

Lab File: VF062455.D

Acq: 11 May 2019 12:56

Instrument :
MSVOA_F
ClientSampleId :

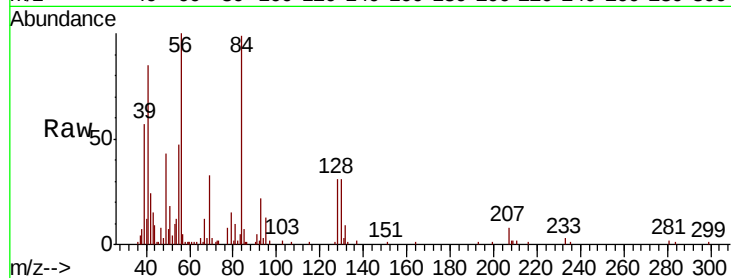
Tot Ion: 56 Resp: 70186

Ion Ratio Lower Upper

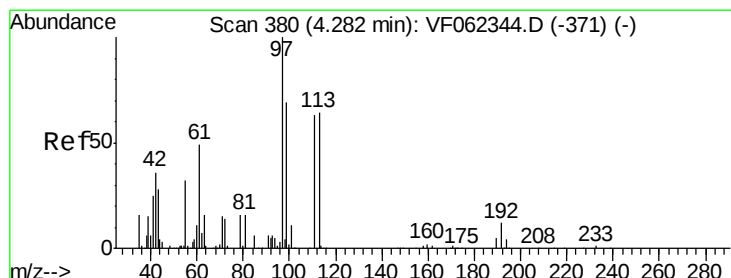
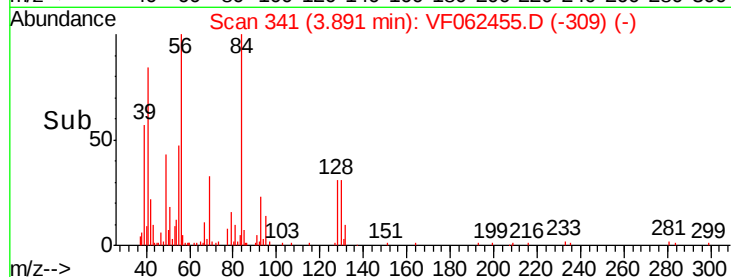
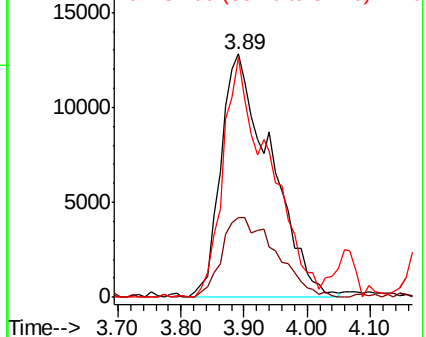
56 100

69 32.7 26.4 39.6

84 98.7 69.0 103.6



Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 25.631 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.02 min

Lab File: VF062455.D

Acq: 11 May 2019 12:56

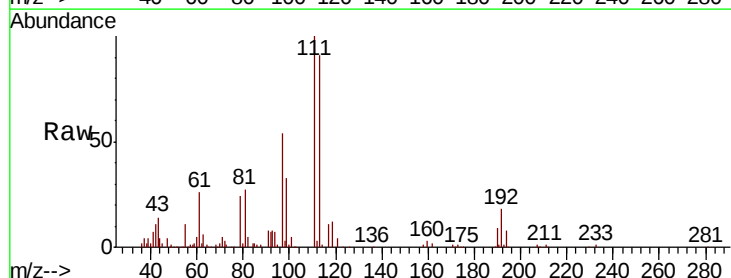
Tgt Ion: 97 Resp: 114190

Ion Ratio Lower Upper

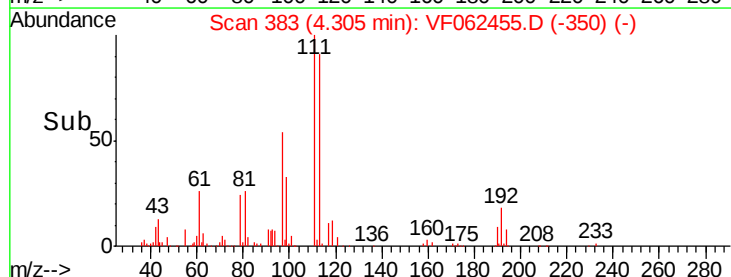
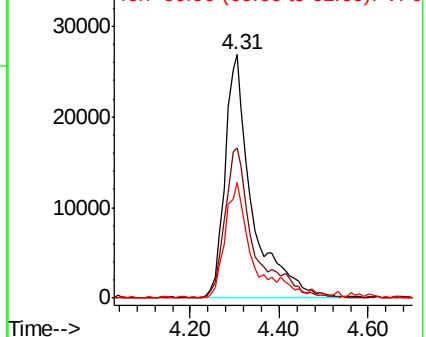
97 100

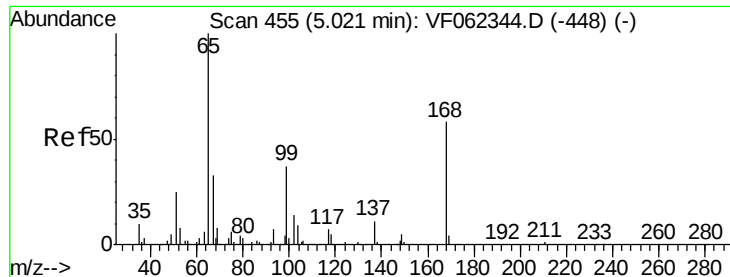
99 65.2 52.6 78.8

61 47.3 39.4 59.0



Abundance Ion 96.90 (96.60 to 97.60): VF0
Ion 98.90 (98.60 to 99.60): VF0
Ion 60.90 (60.60 to 61.60): VF0





#33

1,2-Dichloroethane-d4

Concen: 49.495 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.02 min

Lab File: VF062455.D

Acq: 11 May 2019 12:56

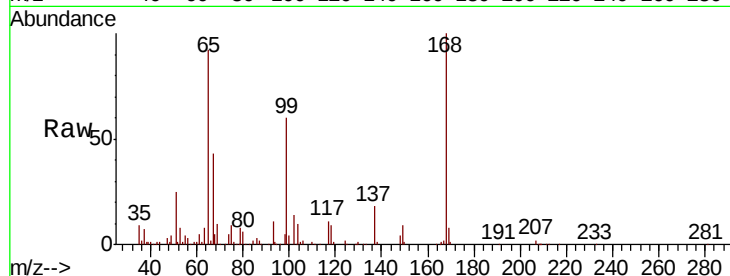
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 65 Resp: 140680

Ion Ratio Lower Upper

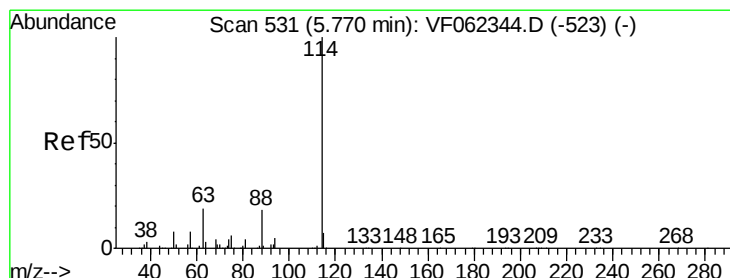
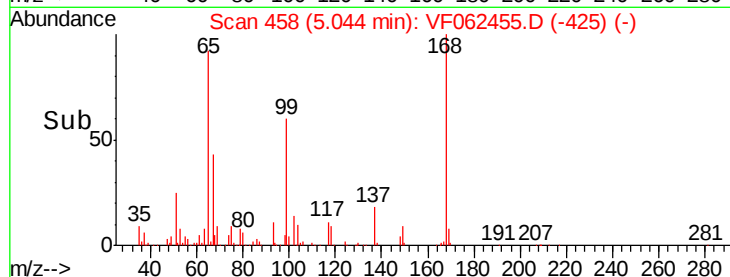
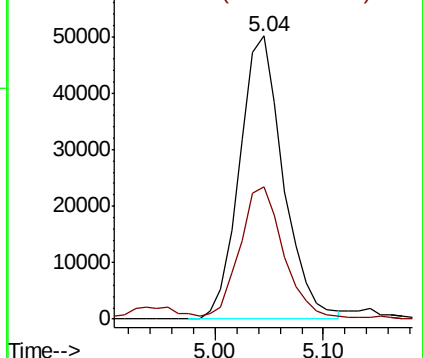
65 100

67 47.3 0.0 85.8



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 533

Delta R.T. 0.01 min

Lab File: VF062455.D

Acq: 11 May 2019 12:56

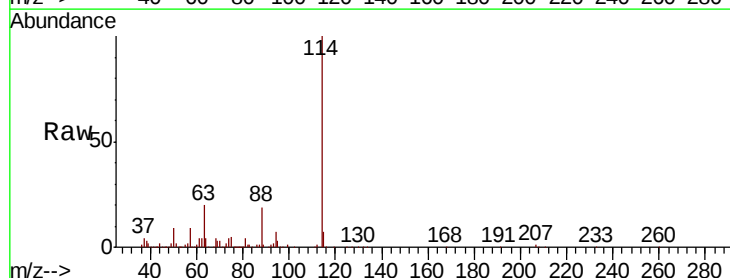
Tgt Ion:114 Resp: 424242

Ion Ratio Lower Upper

114 100

63 20.5 0.0 37.4

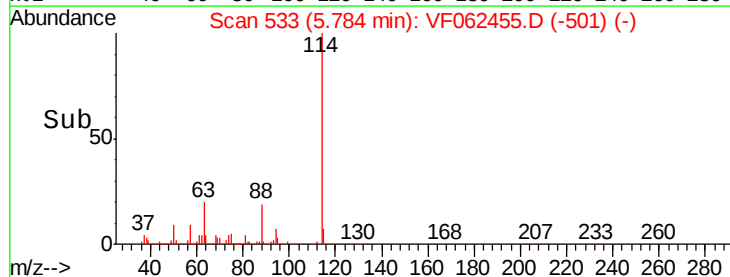
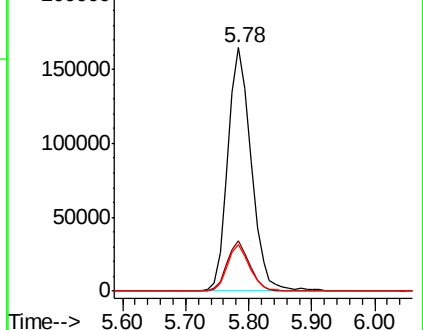
88 19.1 0.0 36.4

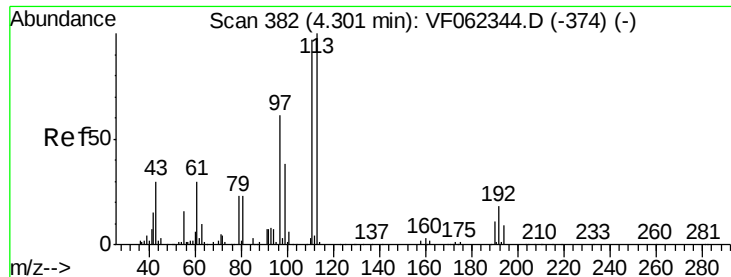


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0

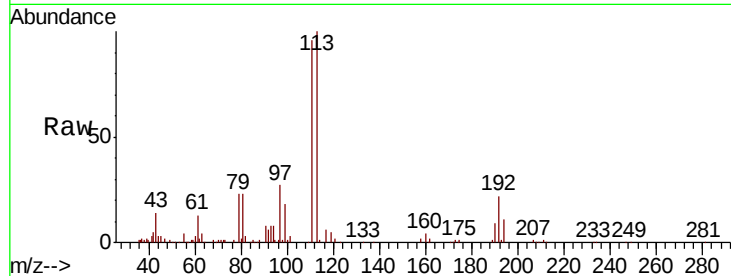




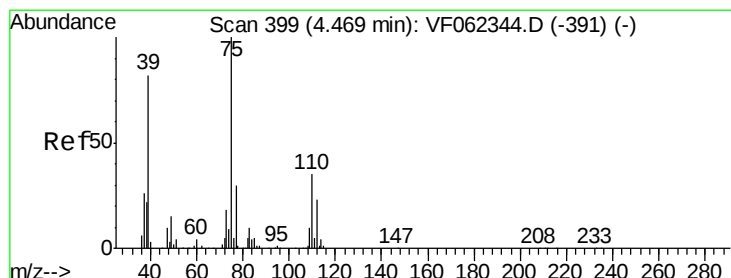
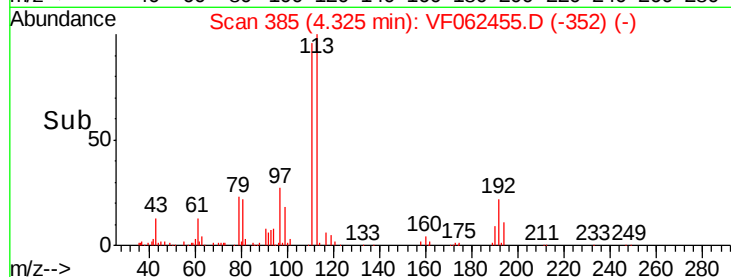
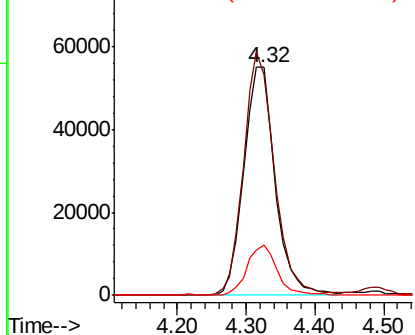
#35
 Dibromofluoromethane
 Concen: 51.671 ug/l
 RT: 4.32 min Scan# 385
 Delta R.T. 0.02 min
 Lab File: VF062455.D
 Acq: 11 May 2019 12:56

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:113 Resp: 174640
 Ion Ratio Lower Upper
 113 100
 111 104.4 79.4 119.0
 192 21.0 16.0 24.0

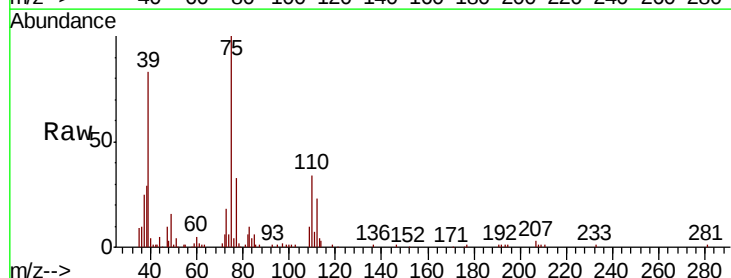


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

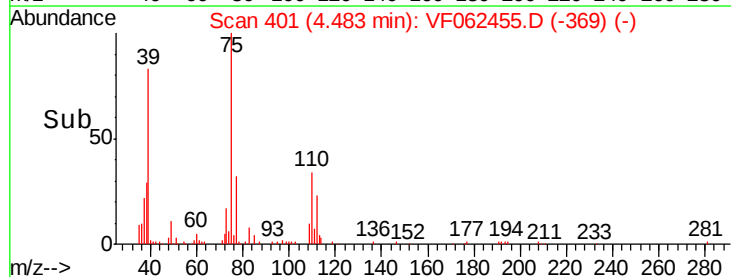
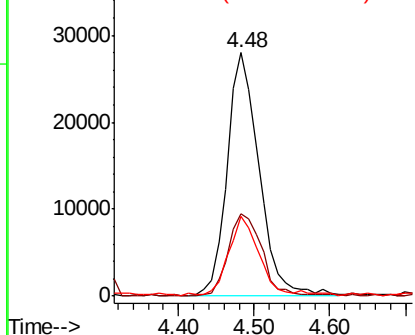


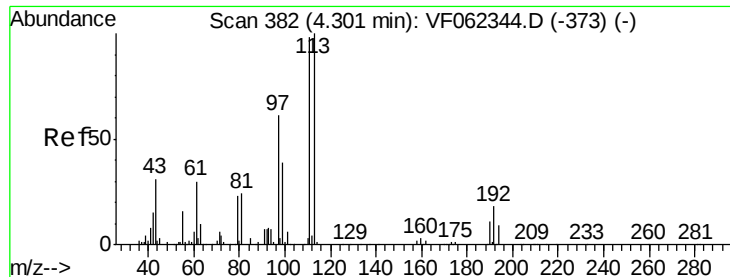
#36
 1,1-Dichloropropene
 Concen: 22.521 ug/l
 RT: 4.48 min Scan# 401
 Delta R.T. 0.01 min
 Lab File: VF062455.D
 Acq: 11 May 2019 12:56

Tgt Ion: 75 Resp: 82074
 Ion Ratio Lower Upper
 75 100
 110 34.9 17.2 51.5
 77 31.0 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VF0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VF0





#37

Ethyl Acetate

Concen: 18.959 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.01 min

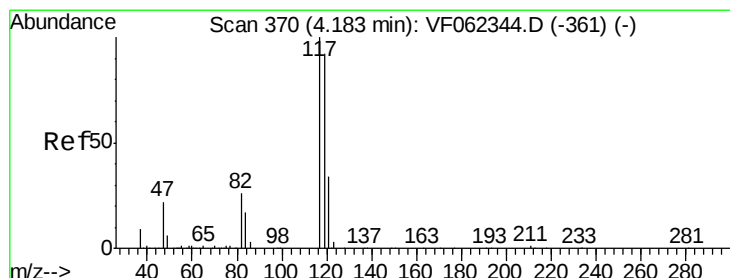
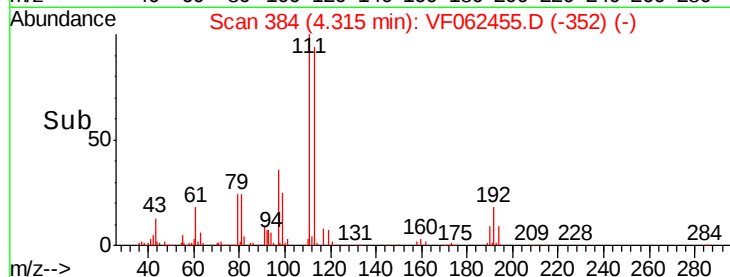
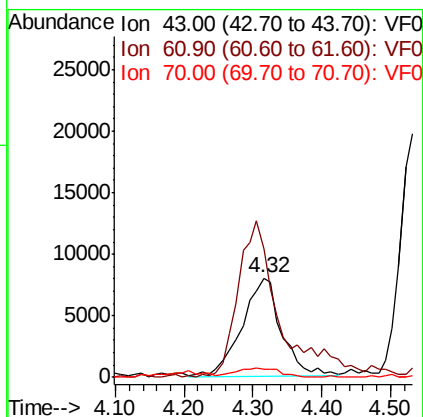
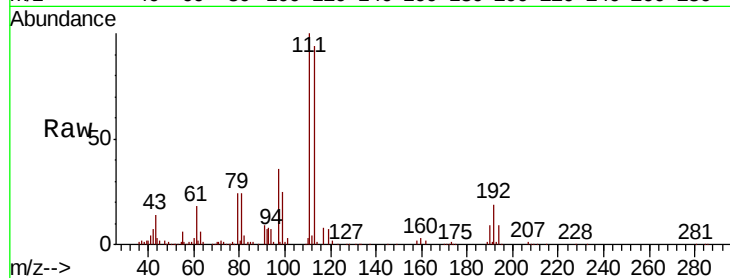
Lab File: VF062455.D

Acq: 11 May 2019 12:56

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 31548

Ion	Ratio	Lower	Upper
43	100		
61	171.2	0.0	0.0#
70	10.6	8.2	12.2



#38

Carbon Tetrachloride

Concen: 33.868 ug/l

RT: 4.20 min Scan# 372

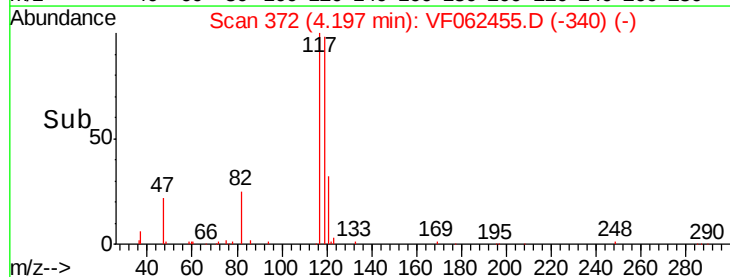
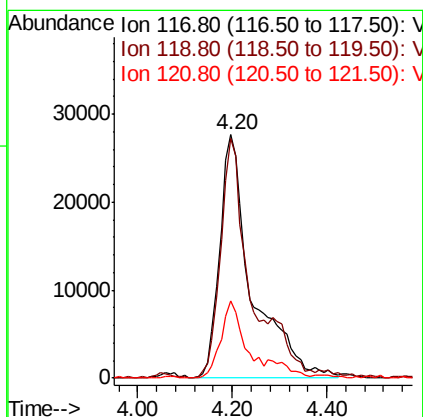
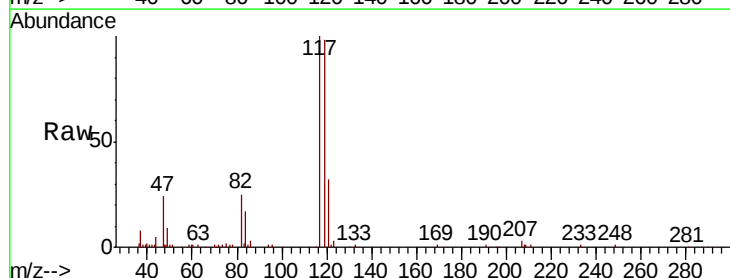
Delta R.T. 0.01 min

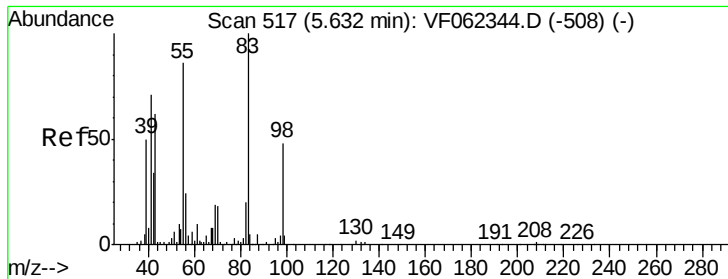
Lab File: VF062455.D

Acq: 11 May 2019 12:56

Tgt Ion: 117 Resp: 131414

Ion	Ratio	Lower	Upper
117	100		
119	98.5	73.4	110.2
121	31.6	27.4	41.0

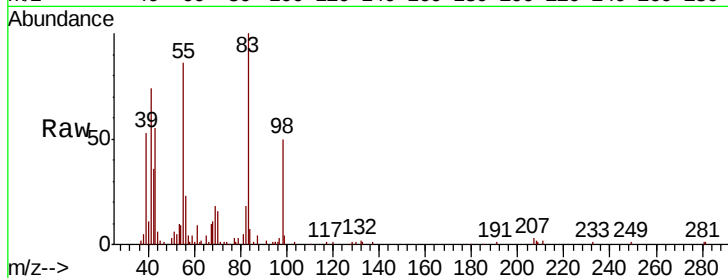




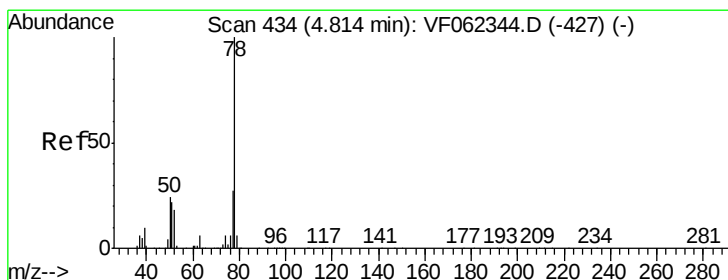
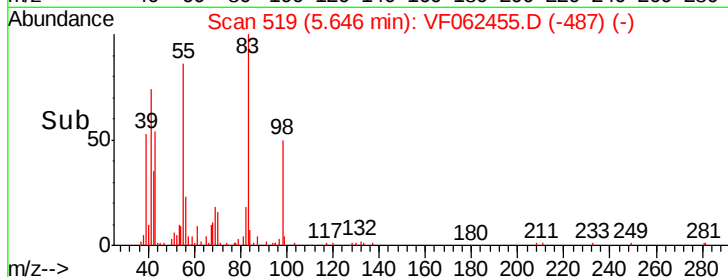
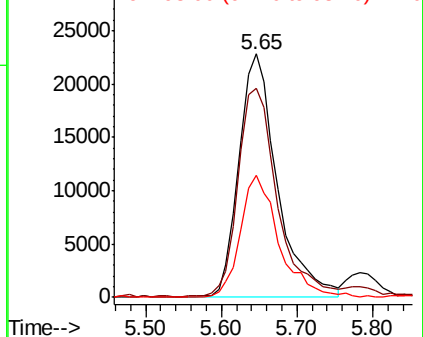
#39
Methvlcvclohexane
Concen: 22.015 ug/l
RT: 5.65 min Scan# 519
Delta R.T. 0.01 min
Lab File: VF062455.D
Acq: 11 May 2019 12:56

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	83	Resp	80463
Ion	Ratio	Lower	Upper
83	100		
55	85.4	69.0	103.6
98	50.0	38.6	58.0

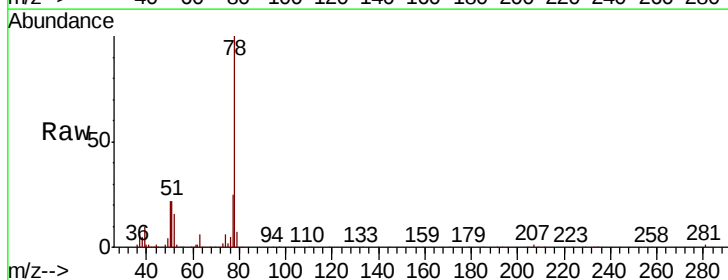


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

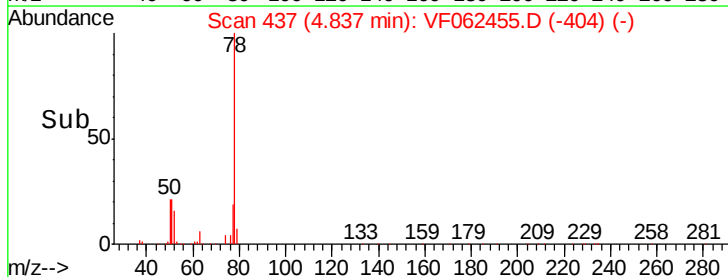
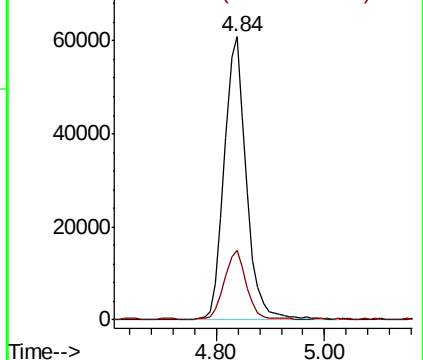


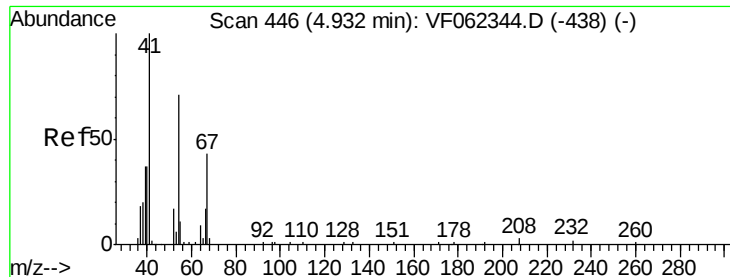
#40
Benzene
Concen: 21.601 ug/l
RT: 4.84 min Scan# 437
Delta R.T. 0.02 min
Lab File: VF062455.D
Acq: 11 May 2019 12:56

Tgt Ion	78	Resp	173356
Ion	Ratio	Lower	Upper
78	100		
77	24.5	21.6	32.4



Abundance Ion 78.00 (77.70 to 78.70): VF0
Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 16.625 ug/l

RT: 4.94 min Scan# 447

Delta R.T. 0.00 min

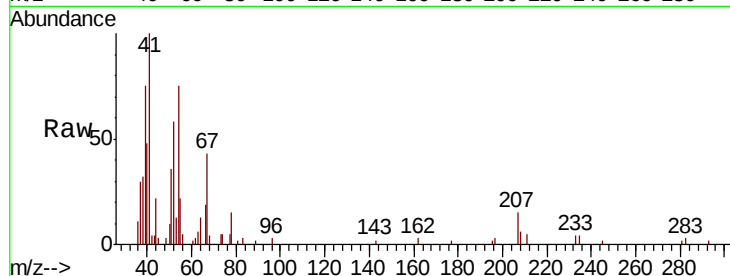
Lab File: VF062455.D

Acq: 11 May 2019 12:56

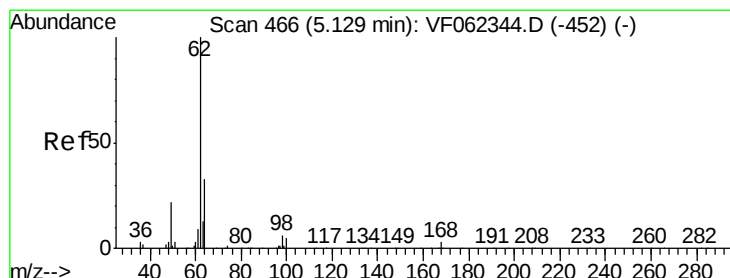
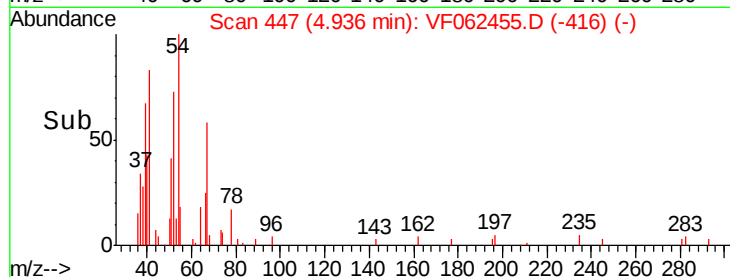
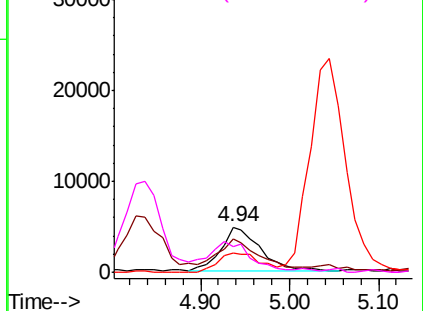
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 41 Resp: 14528

Ion	Ratio	Lower	Upper
41	100		
39	83.1	54.3	81.5#
67	48.3	37.8	56.8
52	76.9	58.2	87.4



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 21.117 ug/l

RT: 5.14 min Scan# 468

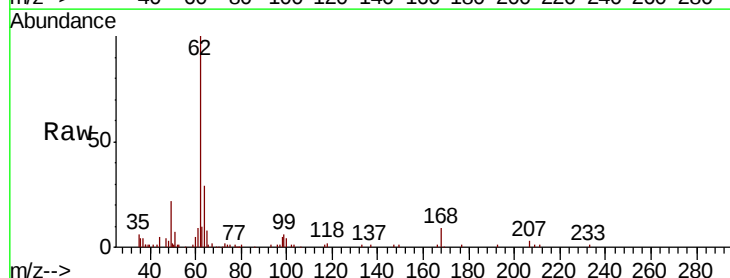
Delta R.T. 0.01 min

Lab File: VF062455.D

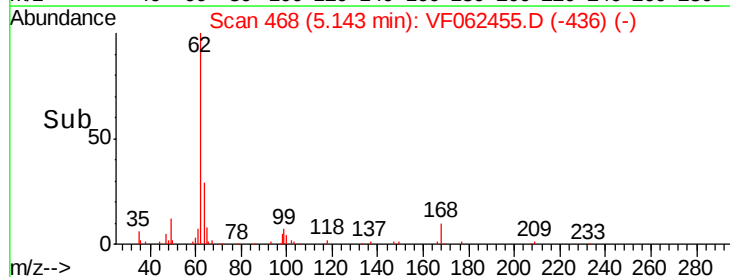
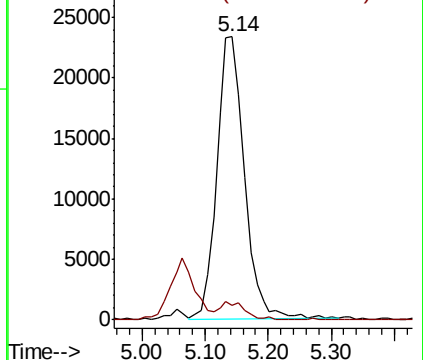
Acq: 11 May 2019 12:56

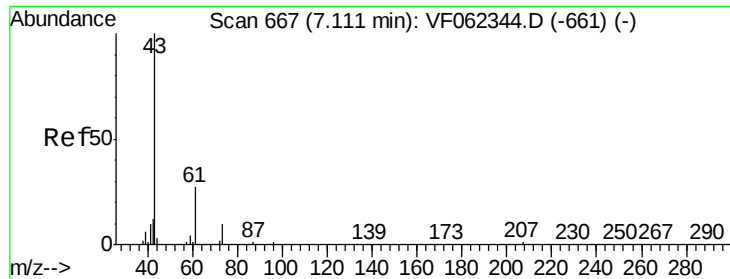
Tgt Ion: 62 Resp: 70878

Ion	Ratio	Lower	Upper
62	100		
98	5.7	0.0	12.4



Abundance Ion 61.90 (61.60 to 62.60): VF0
Ion 97.90 (97.60 to 98.60): VF0



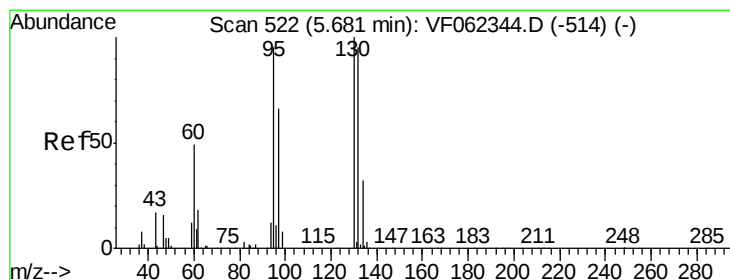
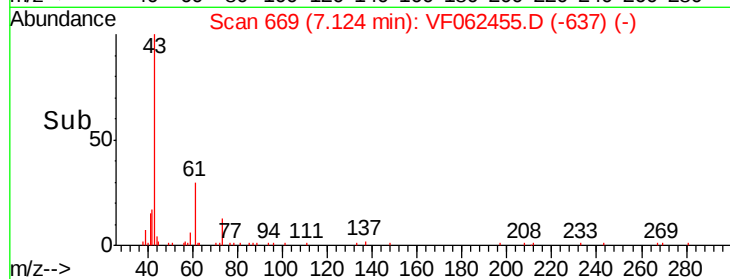
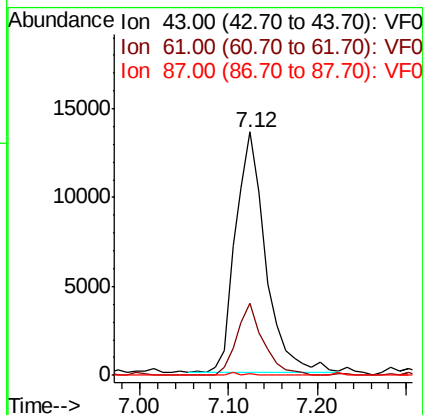
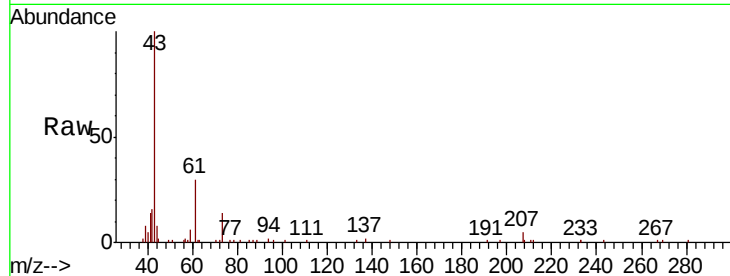


#43

Isopropyl Acetate
 Concen: 19.359 ug/l
 RT: 7.12 min Scan# 669
 Delta R.T. 0.01 min
 Lab File: VF062455.D
 Acq: 11 May 2019 12:56

Instrument :
 MSVOA_F
 ClientSampleId :

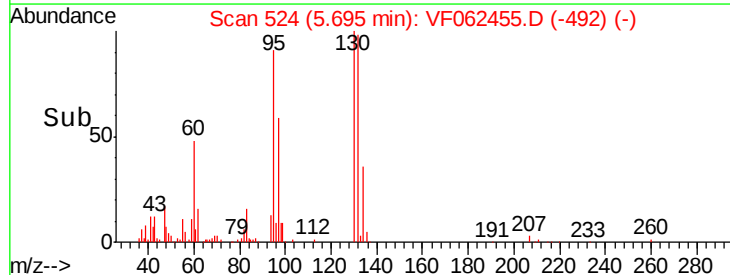
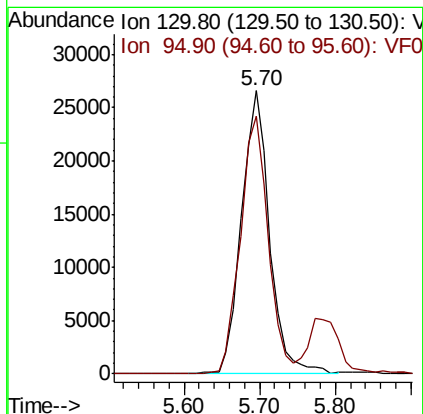
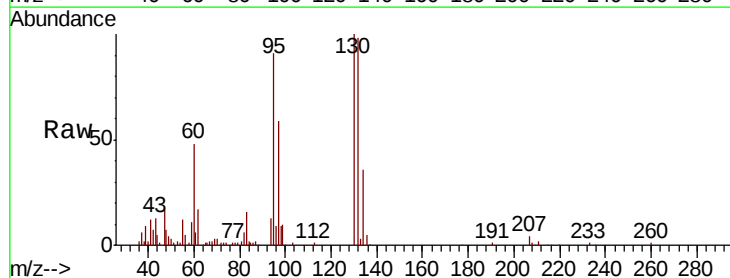
Tot Ion	Ratio	Lower	Upper
43	100		
61	26.3	22.8	34.2
87	0.6	0.6	1.0

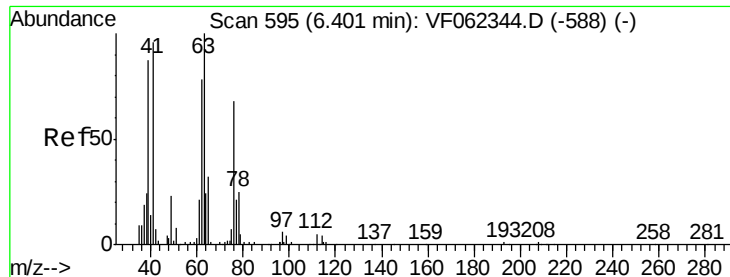


#44

Trichloroethene
 Concen: 23.113 ug/l
 RT: 5.70 min Scan# 524
 Delta R.T. 0.01 min
 Lab File: VF062455.D
 Acq: 11 May 2019 12:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.9	0.0	189.0





#45

1,2-Dichloropropane

Concen: 23.086 ug/l

RT: 6.42 min Scan# 598

Delta R.T. 0.02 min

Lab File: VF062455.D

Acq: 11 May 2019 12:56

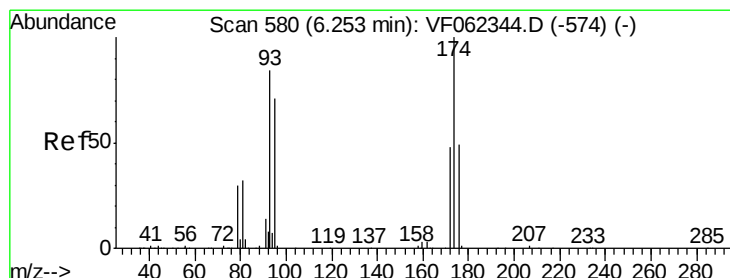
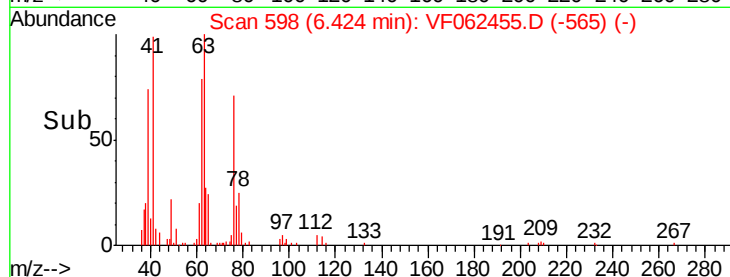
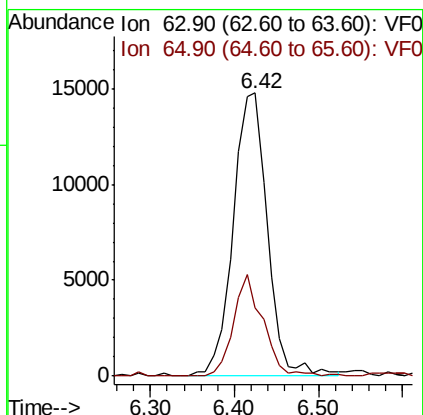
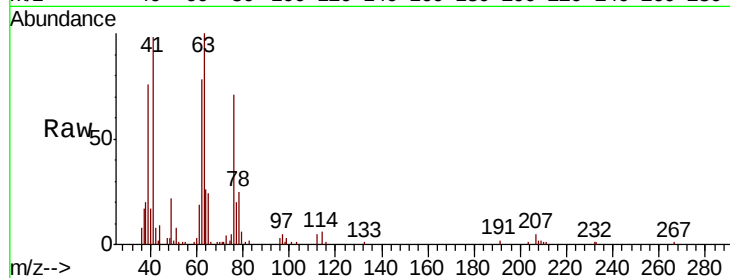
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 41964

Ion Ratio Lower Upper

63 100

65 24.1 25.6 38.4#



#46

Dibromomethane

Concen: 19.717 ug/l

RT: 6.28 min Scan# 583

Delta R.T. 0.02 min

Lab File: VF062455.D

Acq: 11 May 2019 12:56

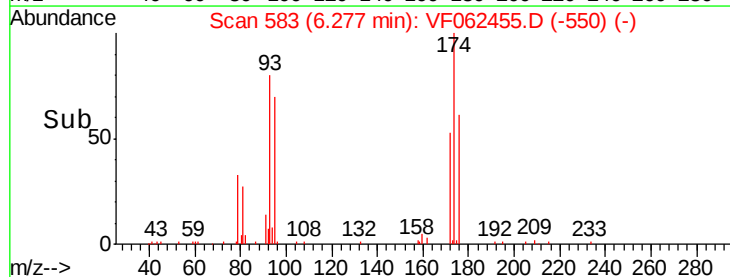
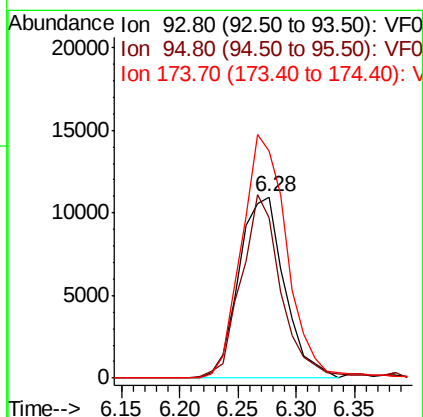
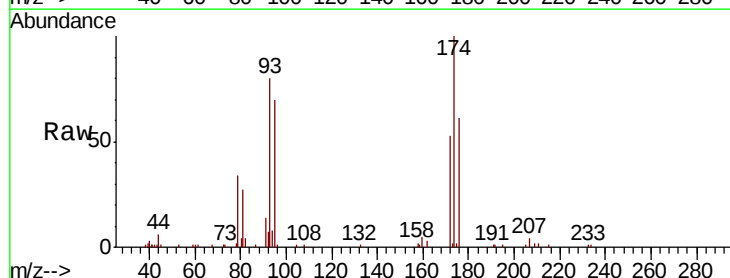
Tgt Ion: 93 Resp: 29716

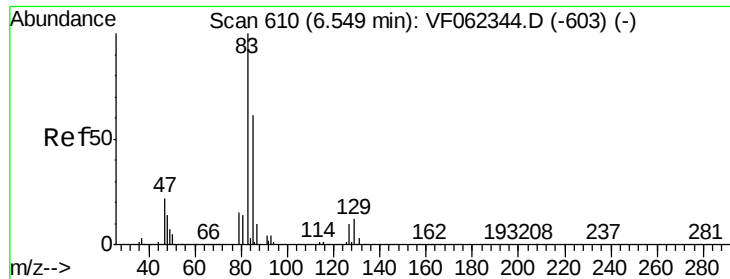
Ion Ratio Lower Upper

93 100

95 89.0 68.4 102.6

174 134.6 99.6 149.4





#47

Bromodichloromethane

Concen: 21.594 ug/l

RT: 6.56 min Scan# 612

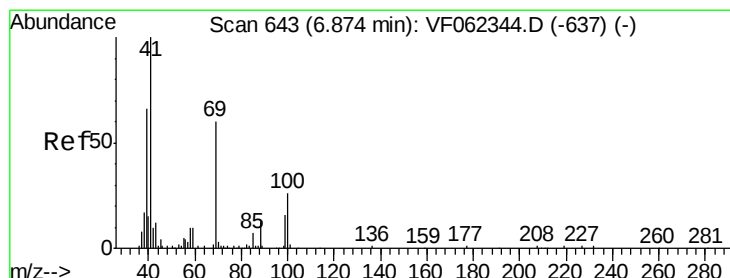
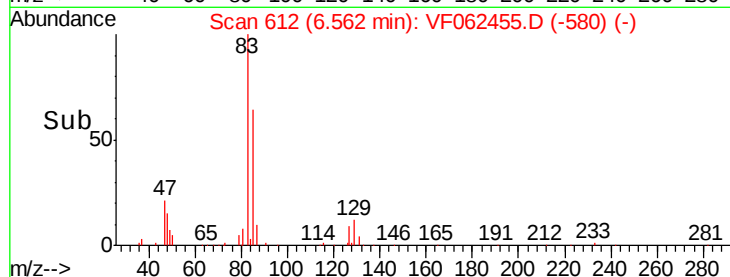
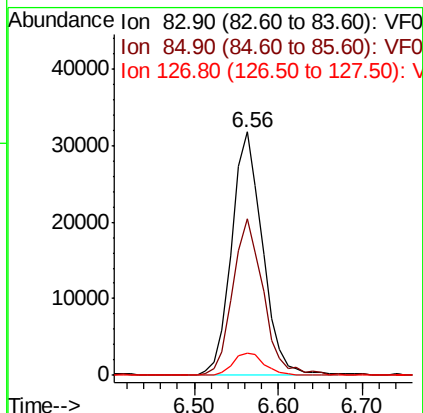
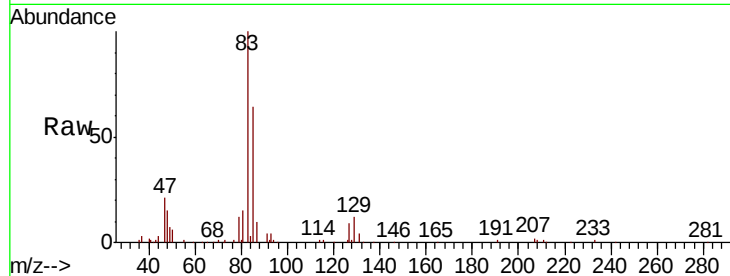
Delta R.T. 0.01 min

Lab File: VF062455.D

Acq: 11 May 2019 12:56

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	83	Resp:	81367
Ion	Ratio	Lower	Upper
83	100		
85	64.3	49.1	73.7
127	9.3	7.8	11.8



#48

Methyl methacrylate

Concen: 18.978 ug/l

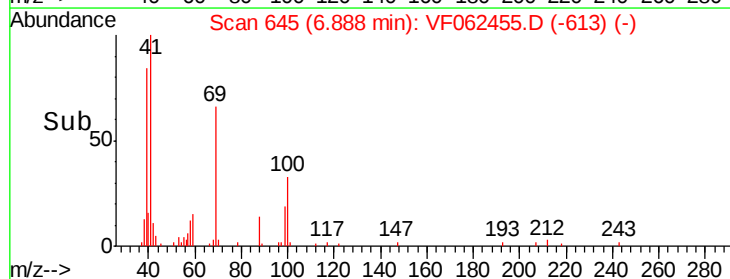
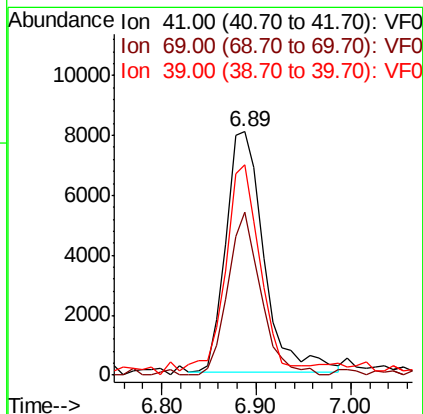
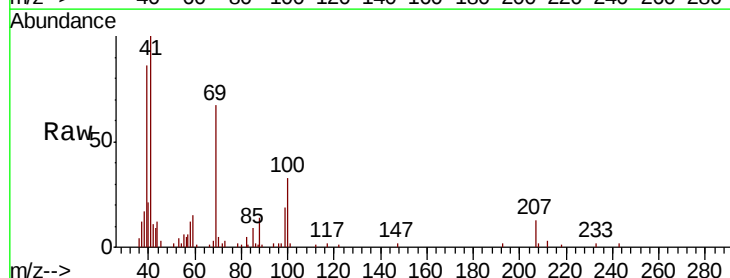
RT: 6.89 min Scan# 645

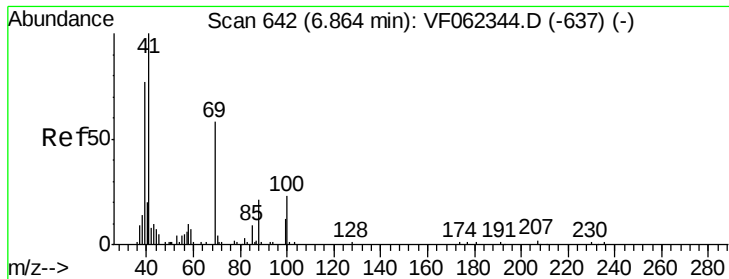
Delta R.T. 0.01 min

Lab File: VF062455.D

Acq: 11 May 2019 12:56

Tgt Ion:	41	Resp:	22232
Ion	Ratio	Lower	Upper
41	100		
69	59.3	48.6	72.8
39	83.0	56.1	84.1

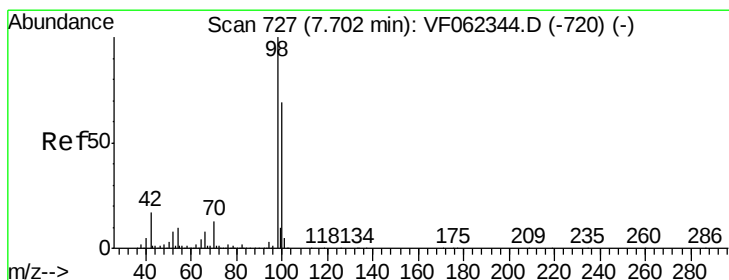
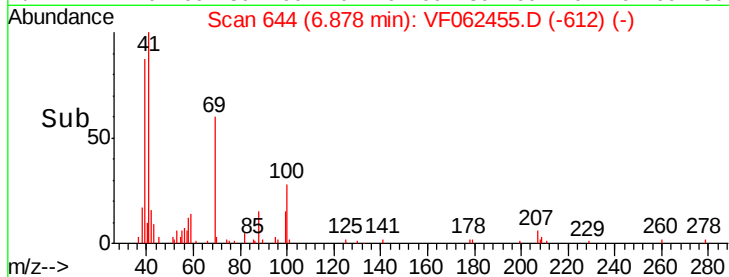
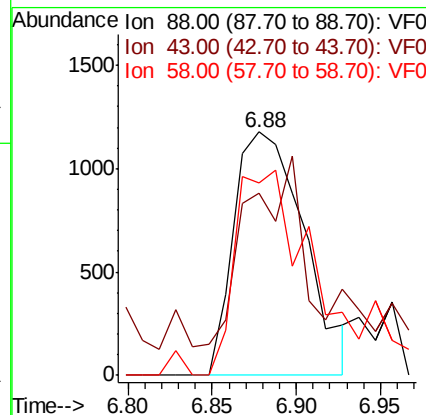
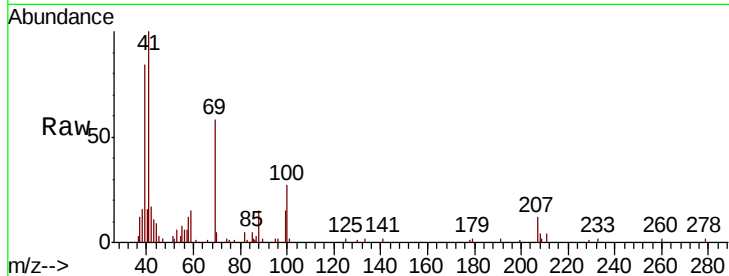




#49
 1,4-Dioxane
 Concen: 273.540 ug/l
 RT: 6.88 min Scan# 644
 Delta R.T. 0.01 min
 Lab File: VF062455.D
 Acq: 11 May 2019 12:56

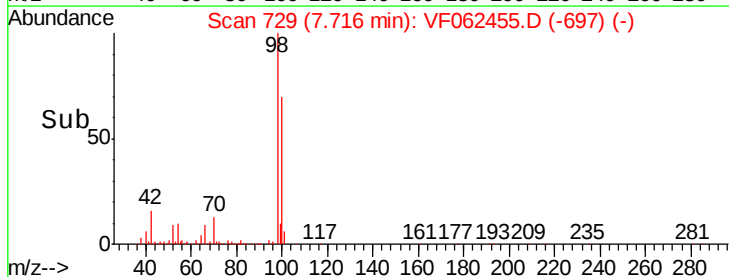
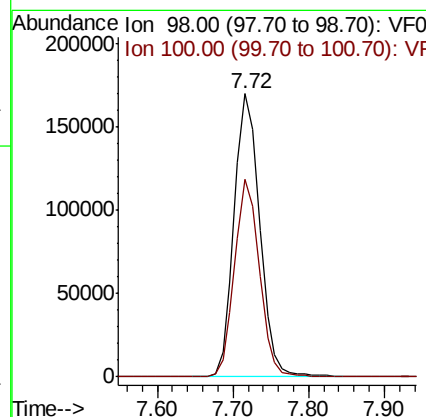
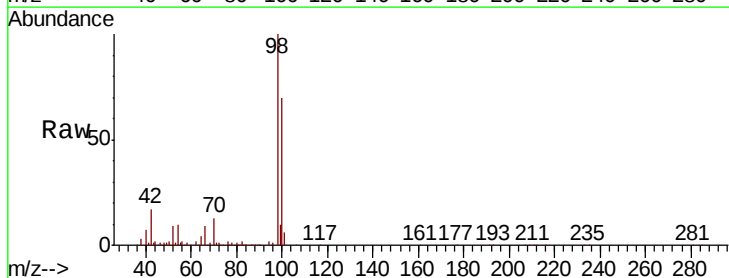
Instrument :
 MSVOA_F
 ClientSampleId :

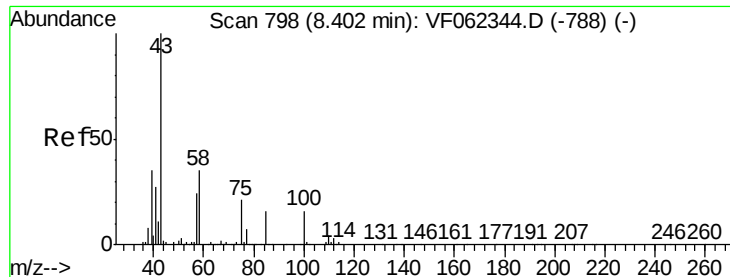
Tot Ion: 88 Resp: 3410
 Ion Ratio Lower Upper
 88 100
 43 60.4 55.6 83.4
 58 89.0 52.8 79.2#



#50
 Toluene-d8
 Concen: 48.613 ug/l
 RT: 7.72 min Scan# 729
 Delta R.T. 0.01 min
 Lab File: VF062455.D
 Acq: 11 May 2019 12:56

Tgt Ion: 98 Resp: 397726
 Ion Ratio Lower Upper
 98 100
 100 67.7 53.3 79.9





#51

4-Methyl-2-Pentanone

Concen: 97.352 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF062455.D

Acq: 11 May 2019 12:56

Instrument :

MSVOA_F

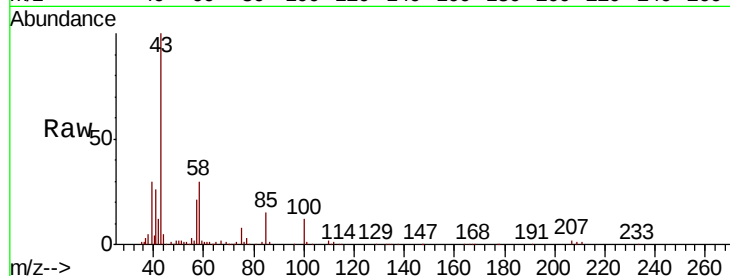
ClientSampled :

Tot Ion: 43 Resp: 122282

Ion Ratio Lower Upper

43 100

58 33.2 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

60000

50000

40000

30000

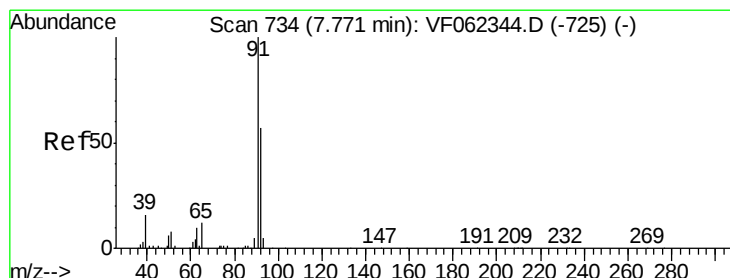
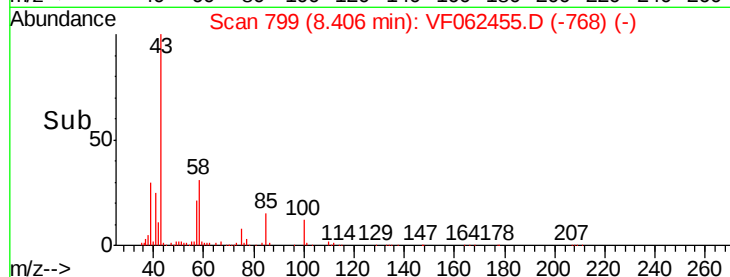
20000

10000

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 21.247 ug/l

RT: 7.78 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF062455.D

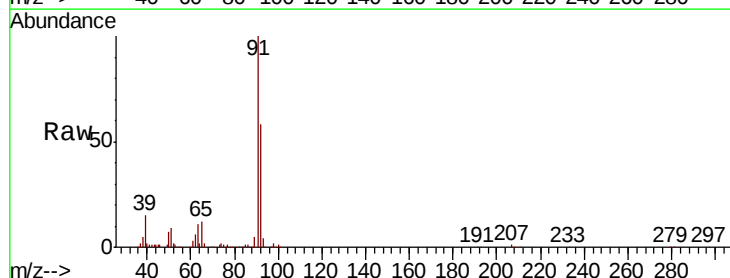
Acq: 11 May 2019 12:56

Tgt Ion: 92 Resp: 105191

Ion Ratio Lower Upper

92 100

91 173.2 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

80000

60000

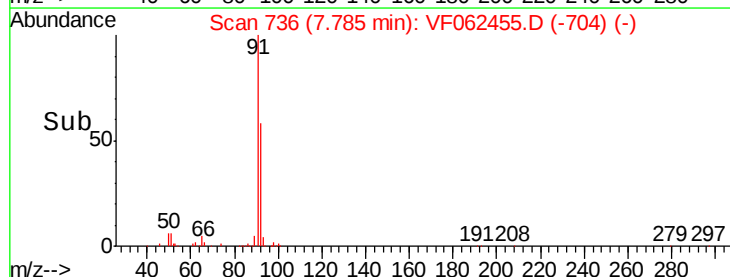
40000

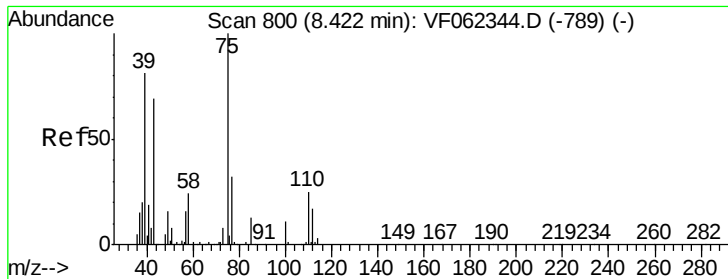
20000

0

7.70 7.80 7.90

Time-->

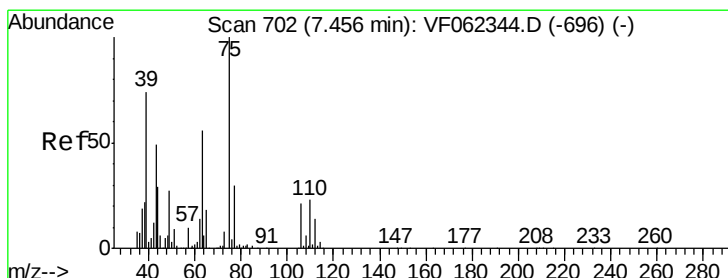
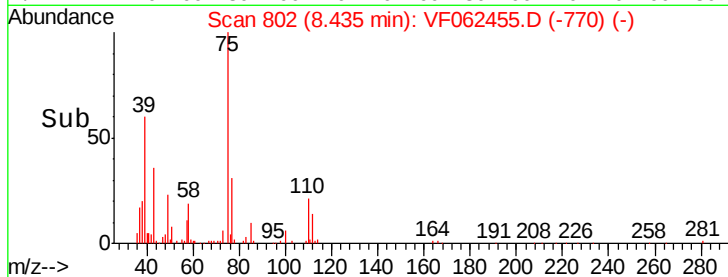
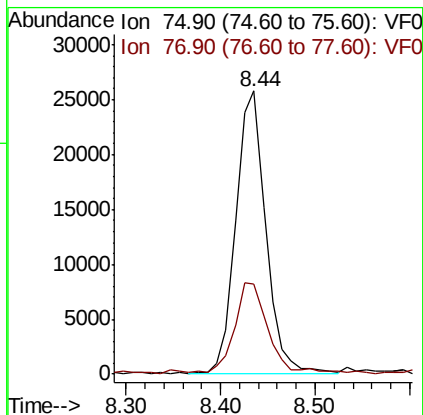
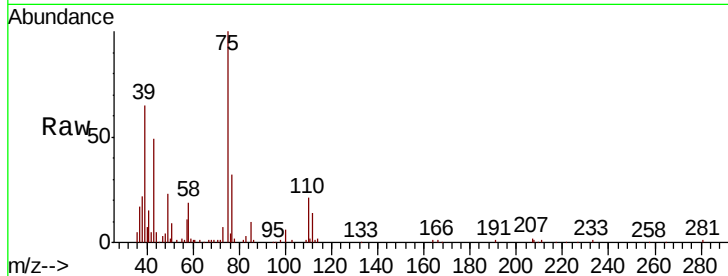




#53
 t-1,3-Dichloropropene
 Concen: 19.965 ug/l
 RT: 8.44 min Scan# 802
 Delta R.T. 0.01 min
 Lab File: VF062455.D
 Acq: 11 May 2019 12:56

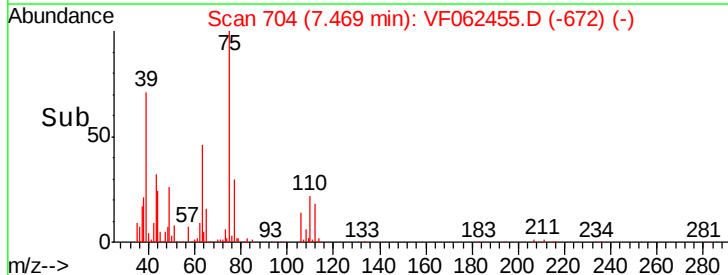
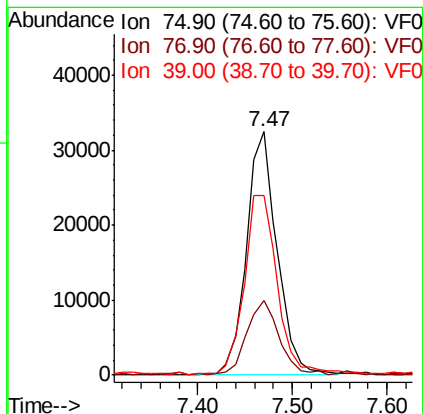
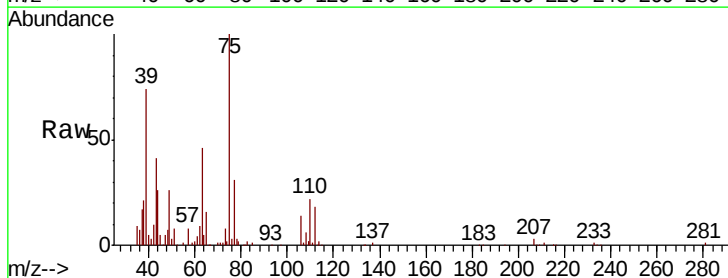
Instrument :
 MSVOA_F
 ClientSampled :

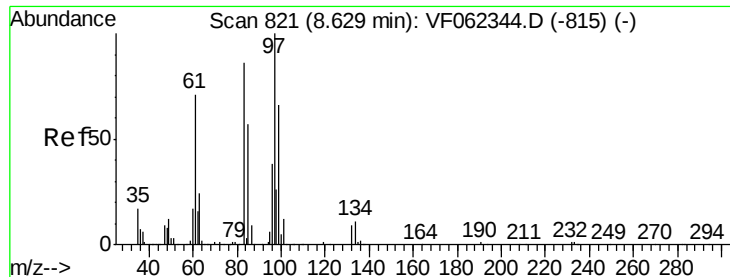
Tot Ion: 75 Resp: 56899
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 22.005 ug/l
 RT: 7.47 min Scan# 704
 Delta R.T. 0.01 min
 Lab File: VF062455.D
 Acq: 11 May 2019 12:56

Tgt Ion: 75 Resp: 72984
 Ion Ratio Lower Upper
 75 100
 77 30.6 24.0 36.0
 39 73.7 58.7 88.1





#55

1,1,2-Trichloroethane

Concen: 21.844 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.01 min

Lab File: VF062455.D

Acq: 11 May 2019 12:56

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 34331

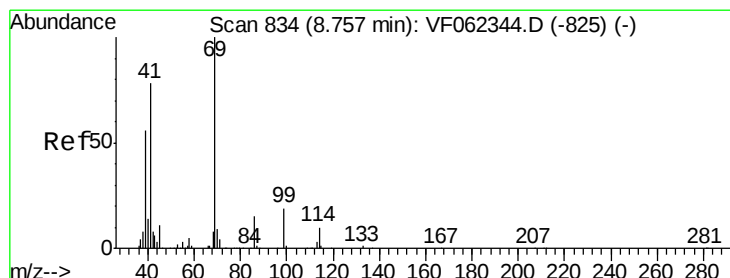
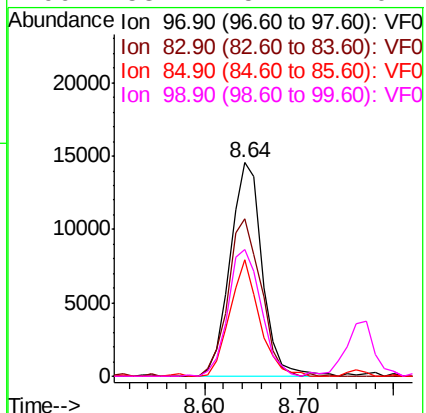
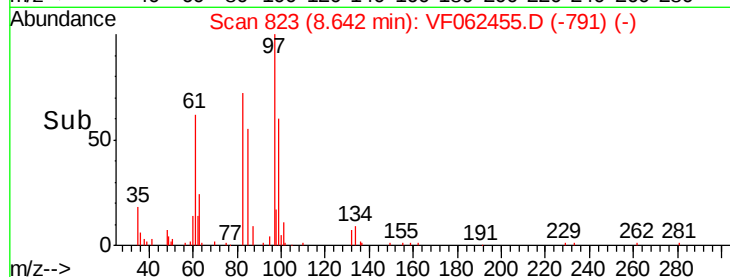
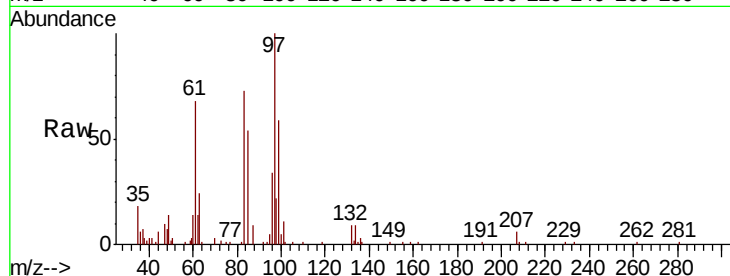
Ion	Ratio	Lower	Upper
97	100		
83	73.5	68.5	102.7
85	54.5	45.4	68.2
99	58.4	52.7	79.1

97 100

83 73.5 68.5 102.7

85 54.5 45.4 68.2

99 58.4 52.7 79.1



#56

Ethyl methacrylate

Concen: 18.584 ug/l

RT: 8.76 min Scan# 835

Delta R.T. 0.00 min

Lab File: VF062455.D

Acq: 11 May 2019 12:56

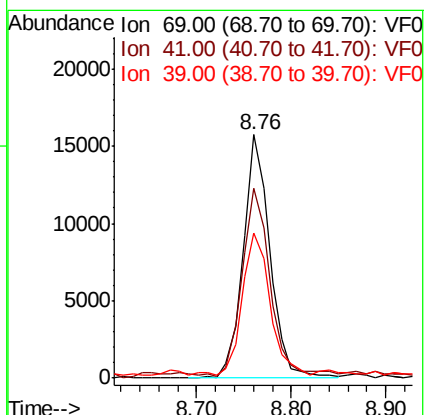
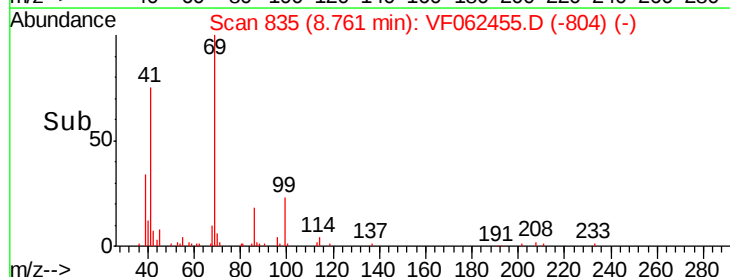
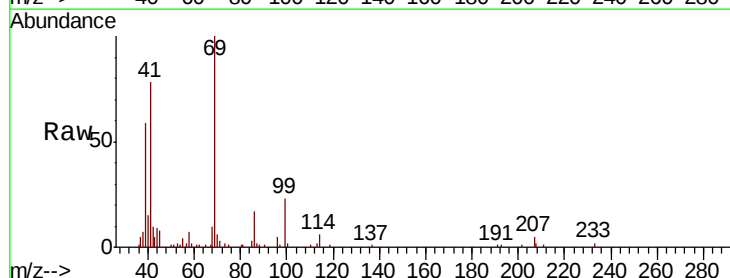
Tgt Ion: 69 Resp: 30831

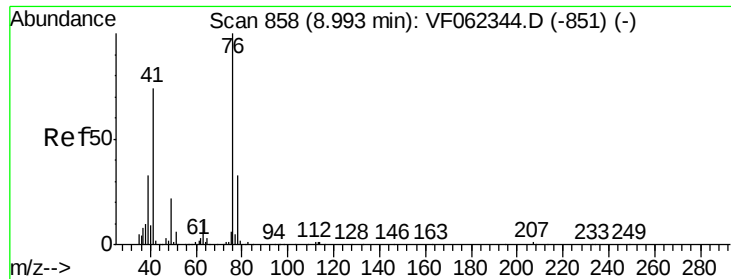
Ion	Ratio	Lower	Upper
69	100		
41	79.5	66.3	99.5
39	59.3	50.1	75.1

69 100

41 79.5 66.3 99.5

39 59.3 50.1 75.1





#57

1,3-Dichloropropane

Concen: 23.444 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.01 min

Lab File: VF062455.D

Acq: 11 May 2019 12:56

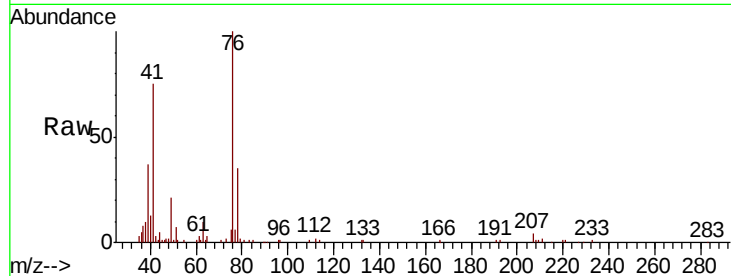
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 55655

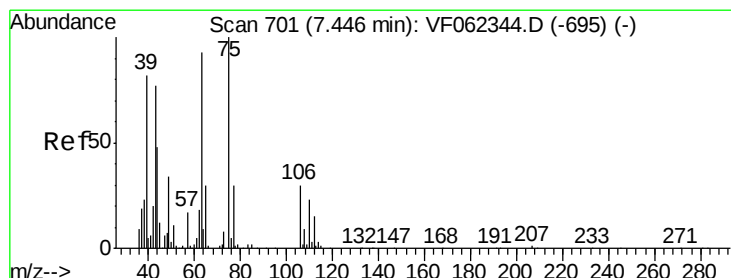
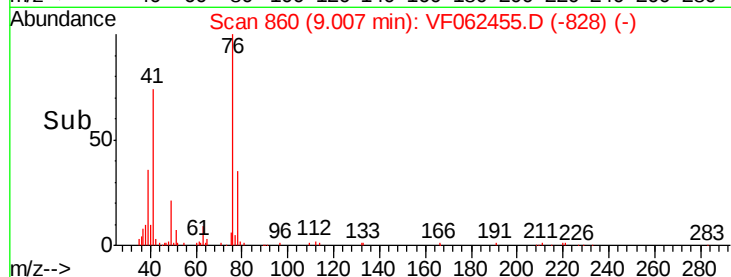
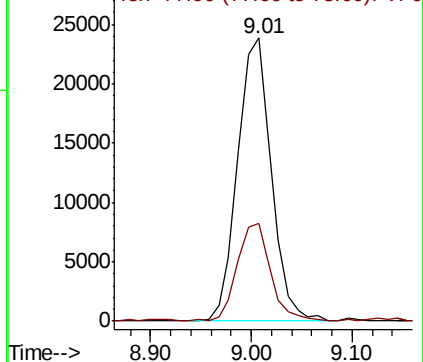
Ion Ratio Lower Upper

76 100

78 34.1 26.4 39.6



Abundance Ion 75.90 (75.60 to 76.60): VF0
Ion 77.90 (77.60 to 78.60): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 87.677 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF062455.D

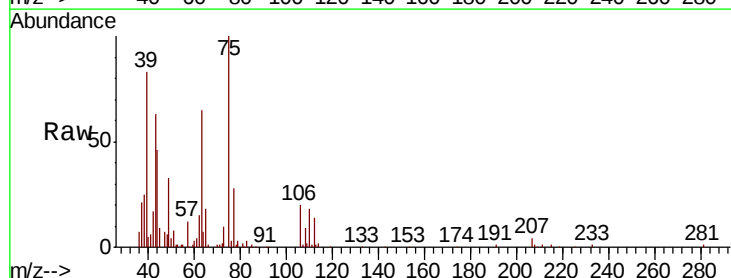
Acq: 11 May 2019 12:56

Tgt Ion: 63 Resp: 43731

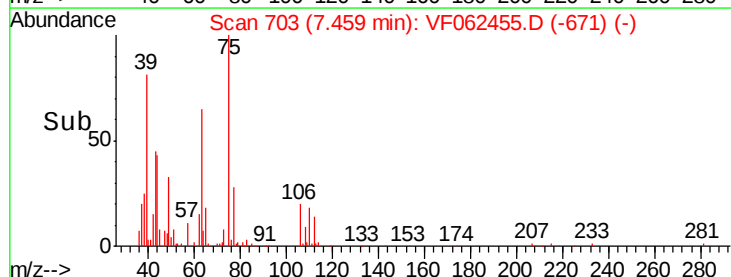
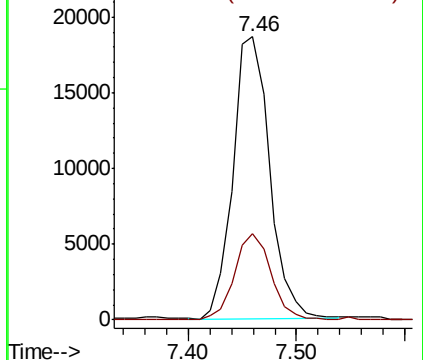
Ion Ratio Lower Upper

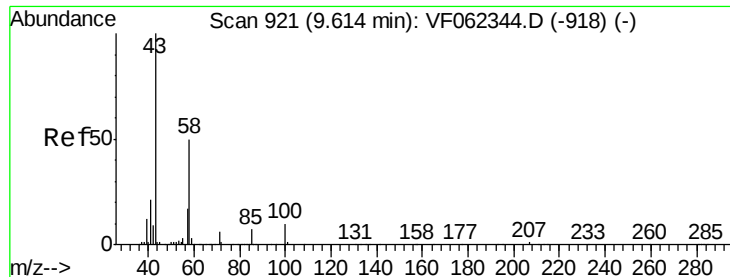
63 100

106 30.5 25.8 38.8



Abundance Ion 62.90 (62.60 to 63.60): VF0
Ion 105.90 (105.60 to 106.60): V

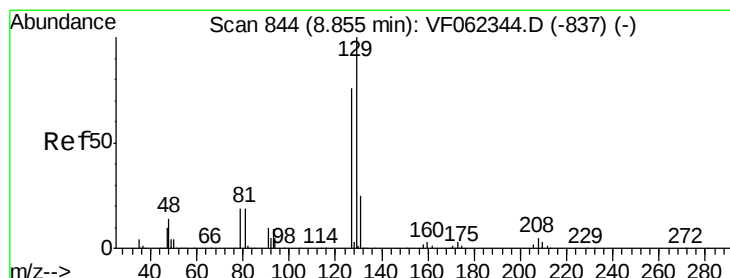
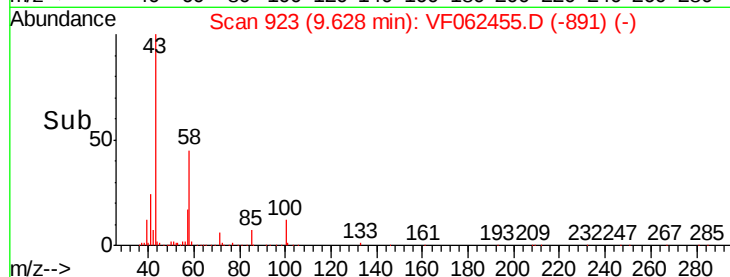
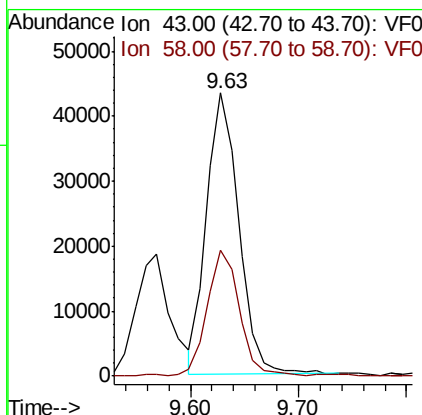
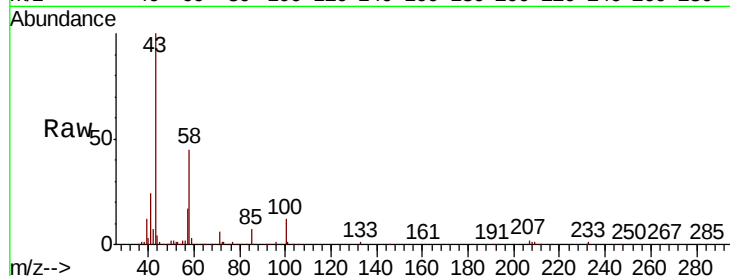




#59
2-Hexanone
Concen: 102.876 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.01 min
Lab File: VF062455.D
Acq: 11 May 2019 12:56

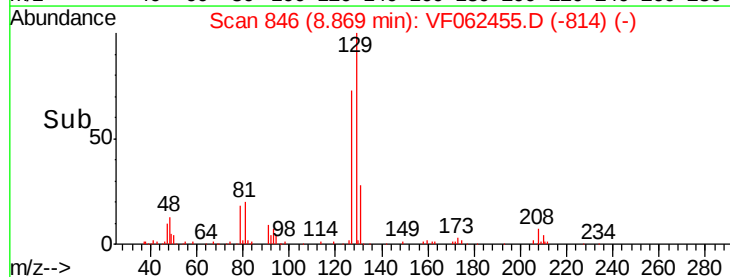
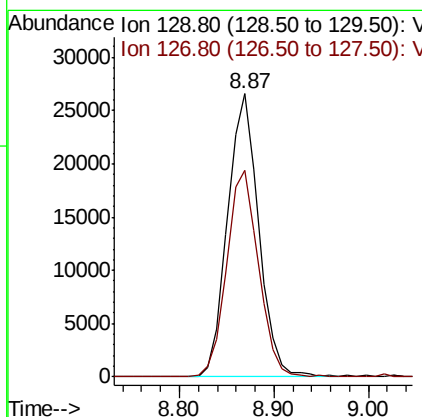
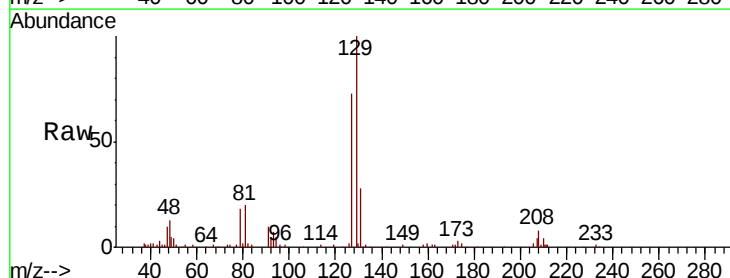
Instrument :
MSVOA_F
ClientSampled :

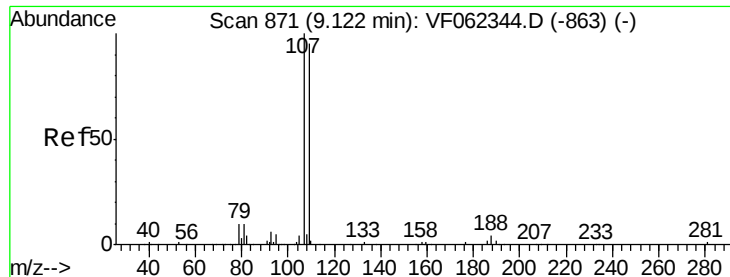
Tot Ion: 43 Resp: 89369
Ion Ratio Lower Upper
43 100
58 46.1 24.3 73.0



#60
Dibromochloromethane
Concen: 23.513 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.01 min
Lab File: VF062455.D
Acq: 11 May 2019 12:56

Tgt Ion: 129 Resp: 60440
Ion Ratio Lower Upper
129 100
127 74.5 38.5 115.3

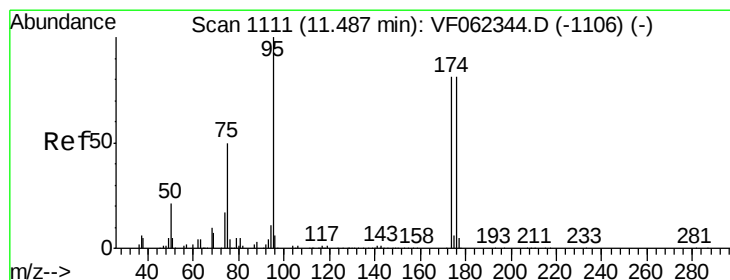
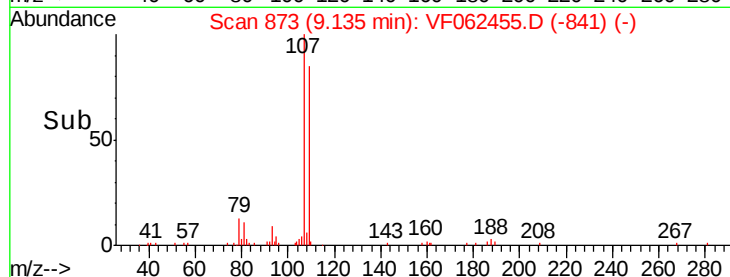
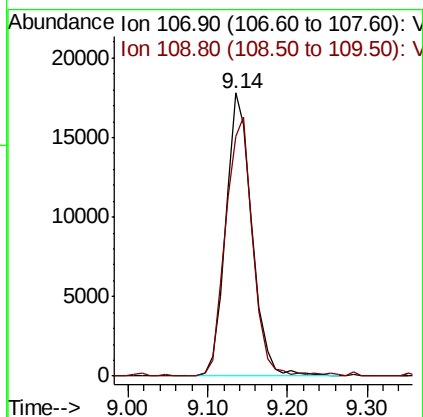
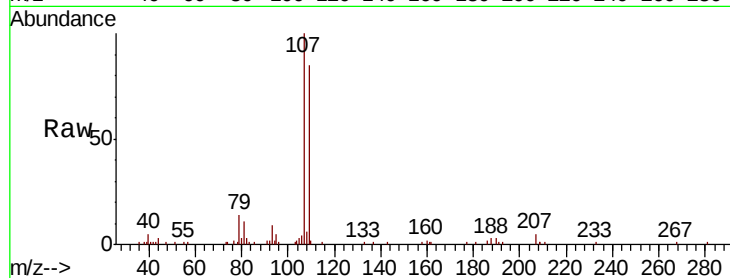




#61
 1,2-Dibromoethane
 Concen: 22.167 ug/l
 RT: 9.14 min Scan# 873
 Delta R.T. 0.01 min
 Lab File: VF062455.D
 Acq: 11 May 2019 12:56

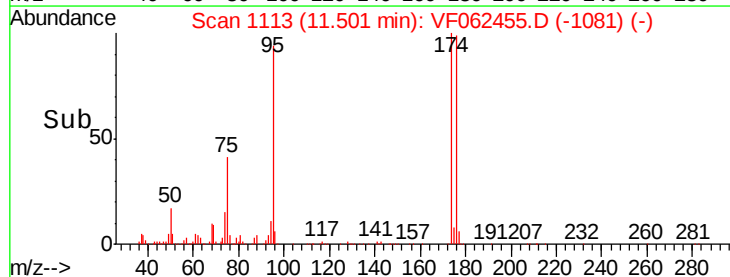
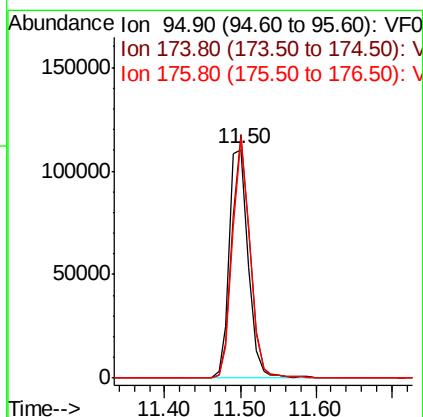
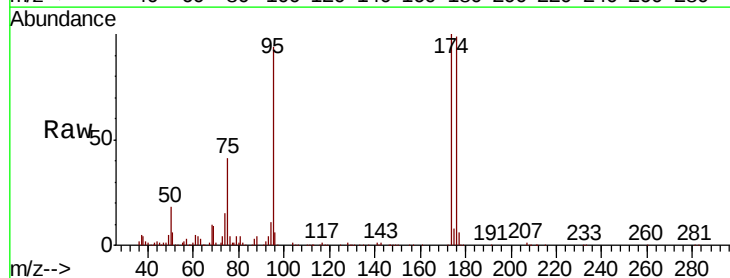
Instrument :
 MSVOA_F
 ClientSampleId :

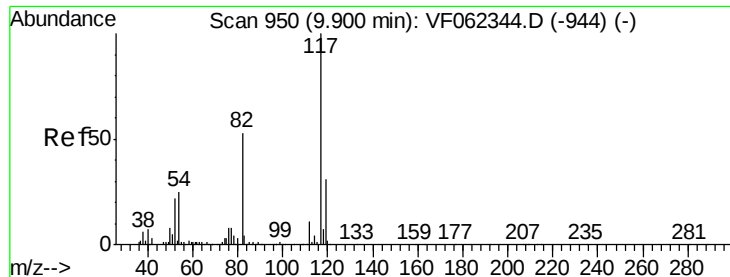
Tot Ion: 107 Resp: 40946
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 51.903 ug/l
 RT: 11.50 min Scan# 1113
 Delta R.T. 0.01 min
 Lab File: VF062455.D
 Acq: 11 May 2019 12:56

Tgt Ion: 95 Resp: 191582
 Ion Ratio Lower Upper
 95 100
 174 98.1 0.0 191.8
 176 96.1 0.0 193.2

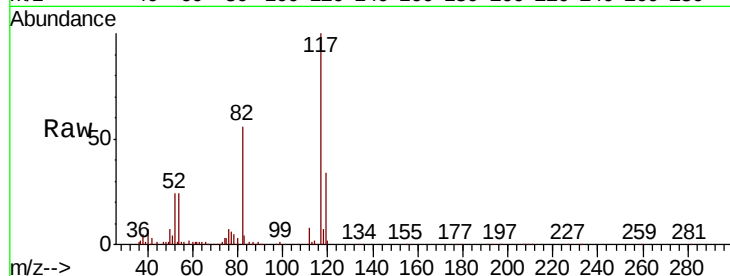




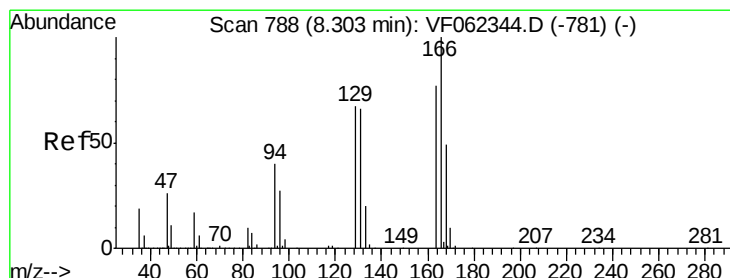
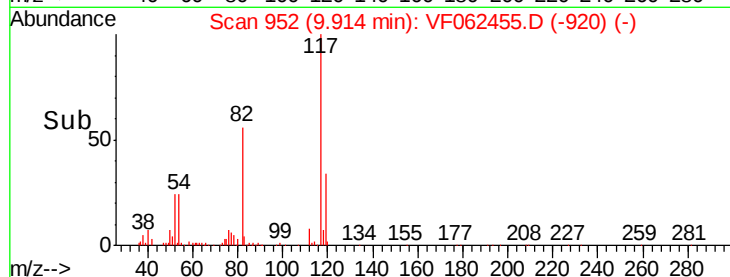
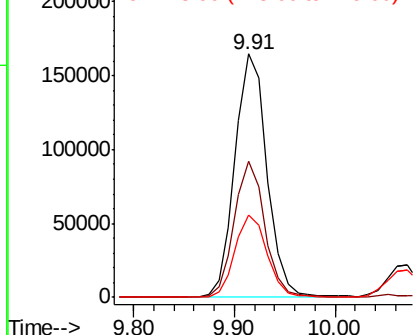
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF062455.D
Acq: 11 May 2019 12:56

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 365290
Ion Ratio Lower Upper
117 100
82 56.0 42.2 63.2
119 33.8 25.0 37.4

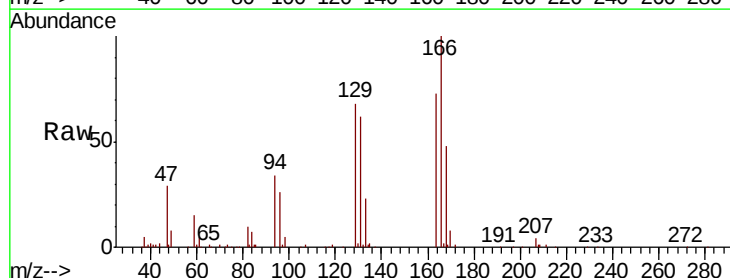


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 118.90 (118.60 to 119.60): V

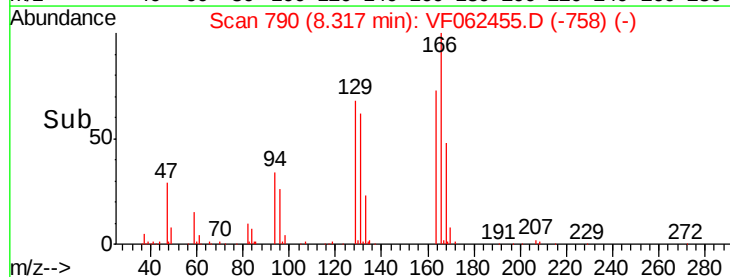
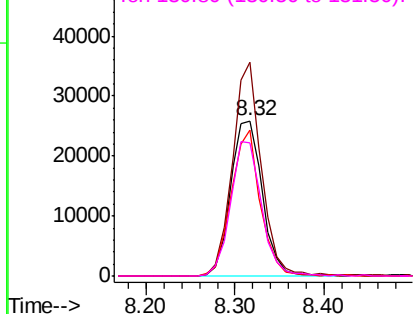


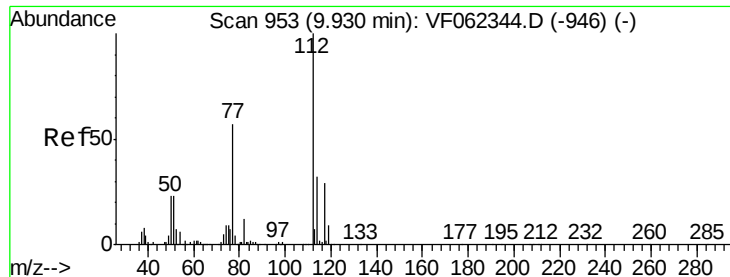
#64
Tetrachloroethene
Concen: 21.610 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.01 min
Lab File: VF062455.D
Acq: 11 May 2019 12:56

Tgt Ion:164 Resp: 64084
Ion Ratio Lower Upper
164 100
166 137.6 104.2 156.4
129 94.2 69.6 104.4
131 85.4 68.8 103.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

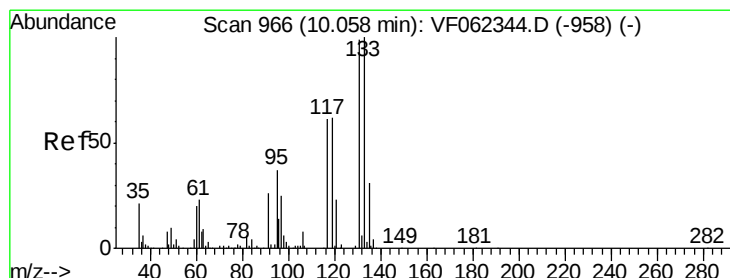
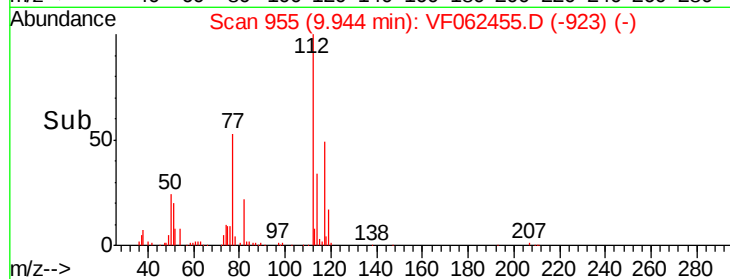
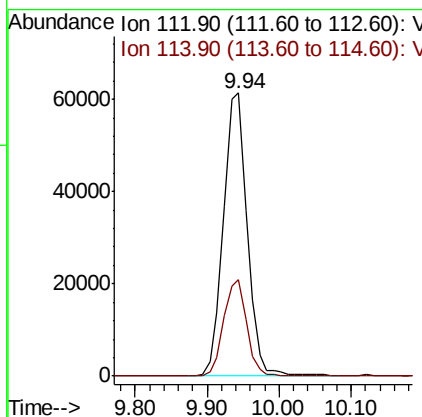
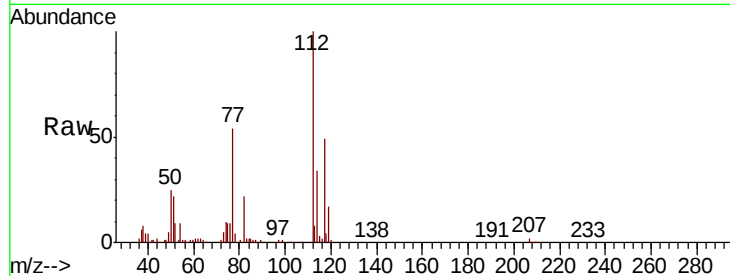




#65
Chlorobenzene
Concen: 23.307 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF062455.D
Acq: 11 May 2019 12:56

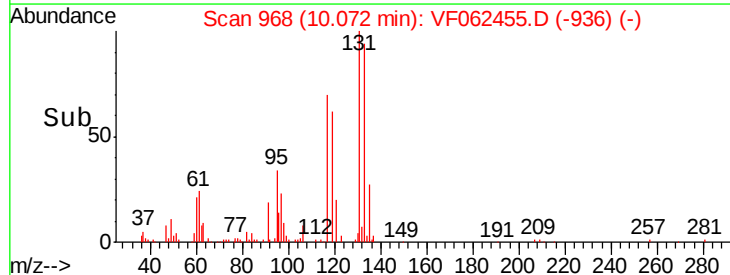
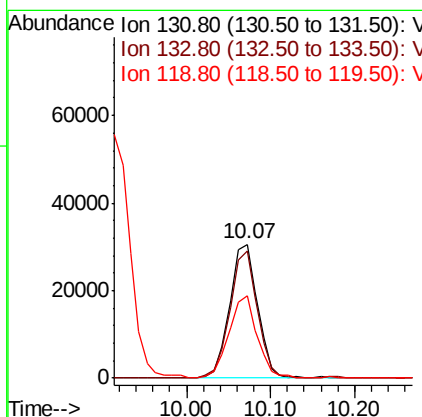
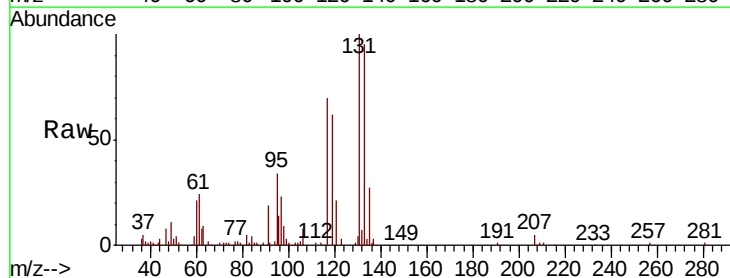
Instrument :
MSVOA_F
ClientSampleId :

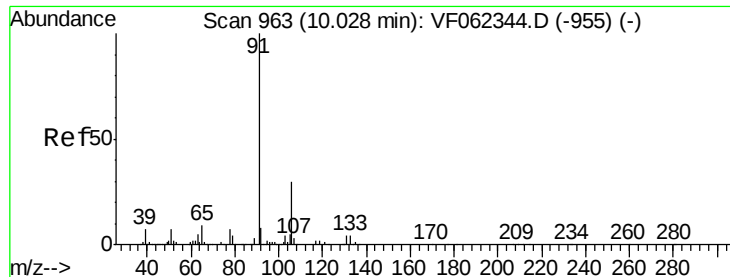
Tot Ion:112 Resp: 140867
Ion Ratio Lower Upper
112 100
114 34.2 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 23.118 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.01 min
Lab File: VF062455.D
Acq: 11 May 2019 12:56

Tgt Ion:131 Resp: 70485
Ion Ratio Lower Upper
131 100
133 94.3 50.2 150.7
119 62.7 31.6 95.0





#67

Ethyl Benzene

Concen: 23.343 ug/l

RT: 10.03 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF062455.D

Acq: 11 May 2019 12:56

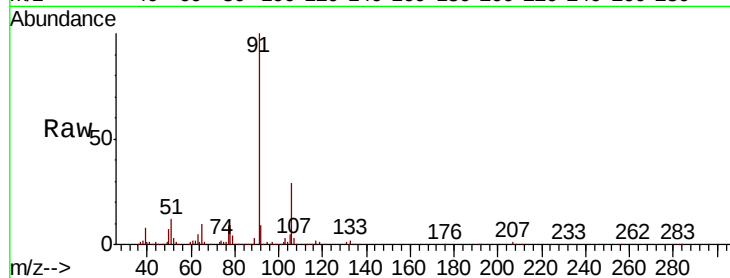
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 91 Resp: 247052

Ion Ratio Lower Upper

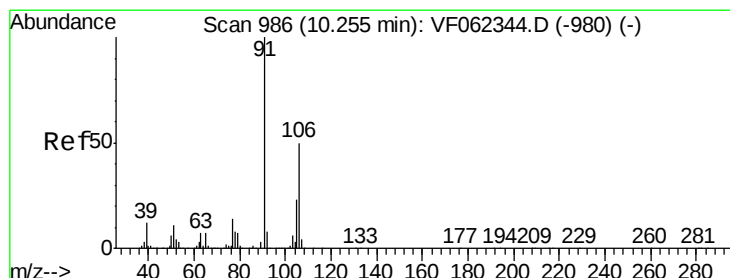
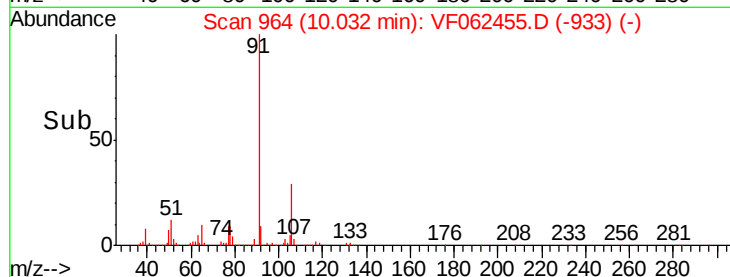
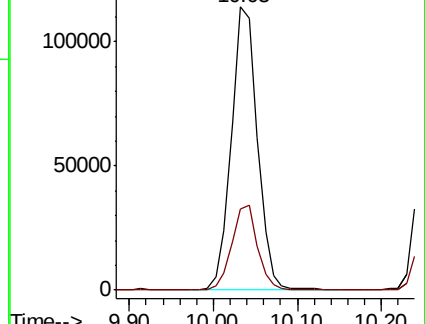
91 100

106 28.8 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 46.615 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.01 min

Lab File: VF062455.D

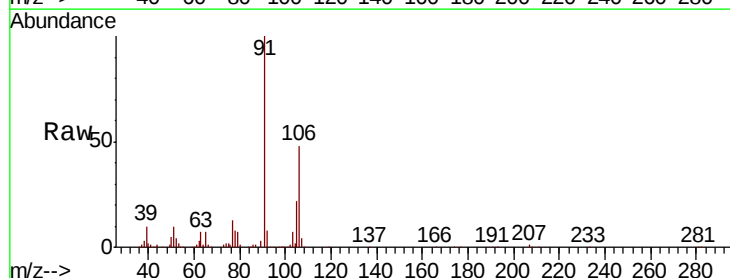
Acq: 11 May 2019 12:56

Tgt Ion: 106 Resp: 182029

Ion Ratio Lower Upper

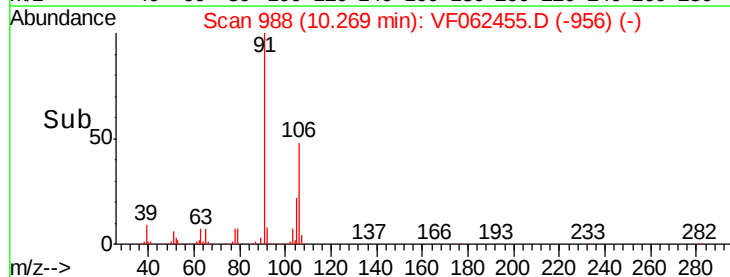
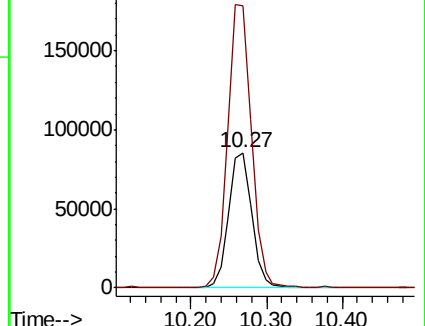
106 100

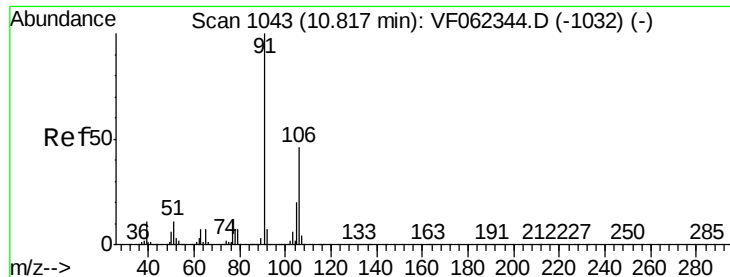
91 212.2 167.4 251.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

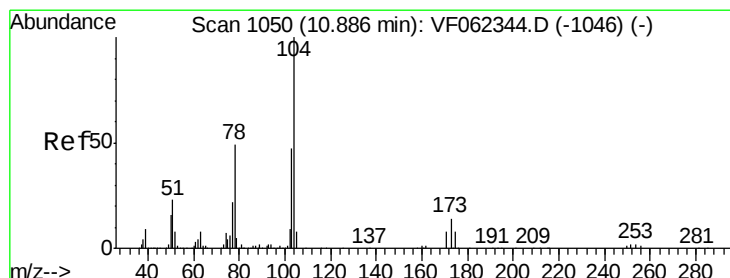
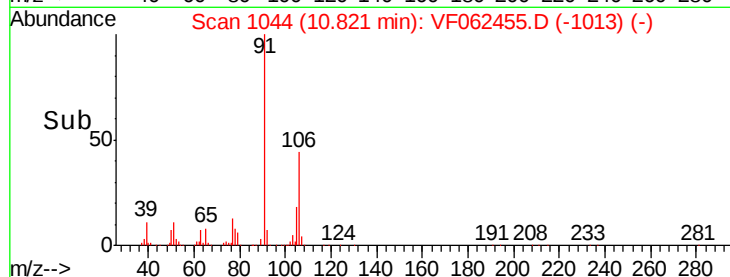
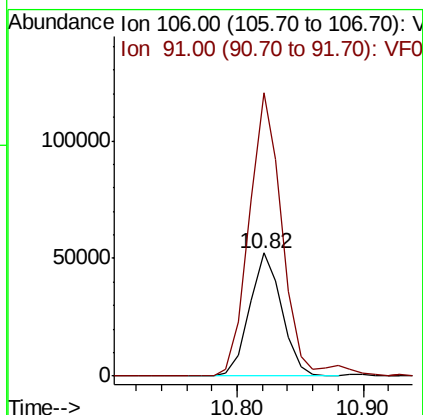
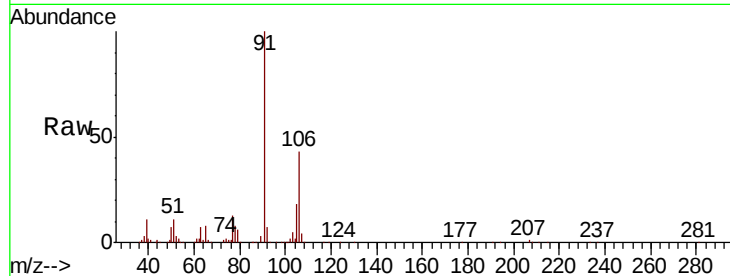




#69
o-Xylene
Concen: 22.007 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF062455.D
Acq: 11 May 2019 12:56

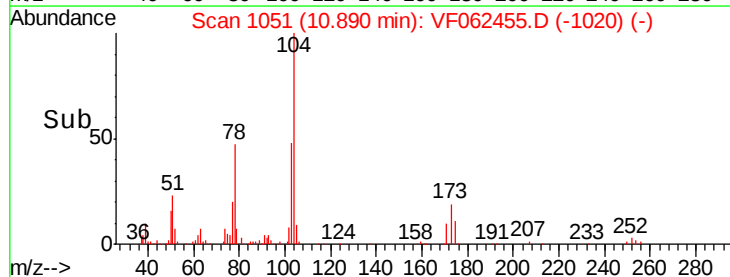
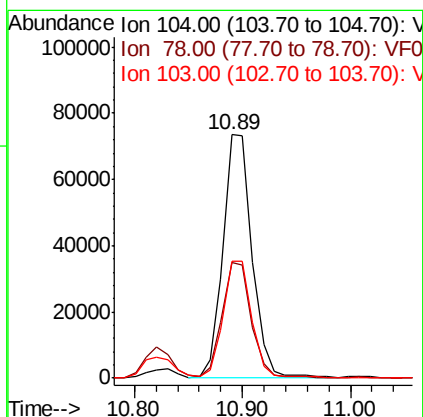
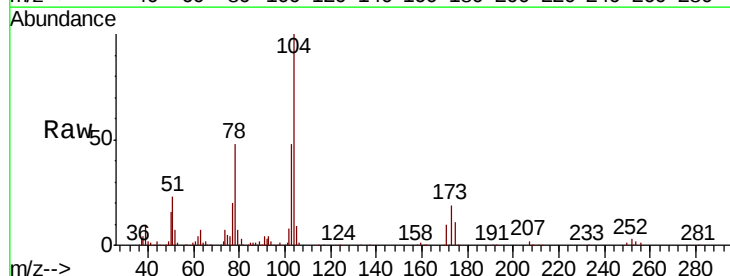
Instrument :
MSVOA_F
ClientSampleId :

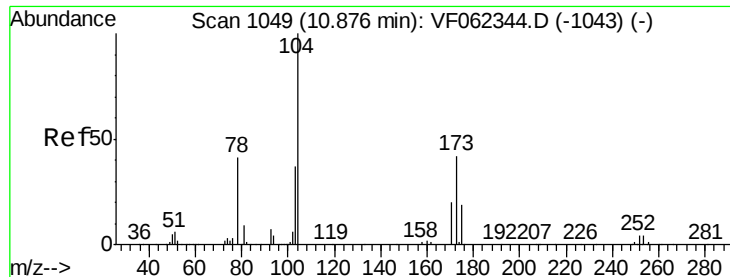
Tot Ion:106 Resp: 92859
Ion Ratio Lower Upper
106 100
91 239.4 111.3 333.8



#70
Styrene
Concen: 21.613 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF062455.D
Acq: 11 May 2019 12:56

Tgt Ion:104 Resp: 136678
Ion Ratio Lower Upper
104 100
78 47.8 39.5 59.3
103 48.3 38.4 57.6





#71

Bromoform

Concen: 18.990 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VF062455.D

Acq: 11 May 2019 12:56

Instrument :

MSVOA_F

ClientSampleId :

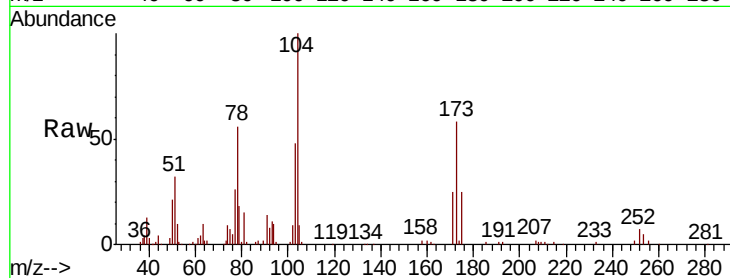
Tot Ion:173 Resp: 31721

Ion Ratio Lower Upper

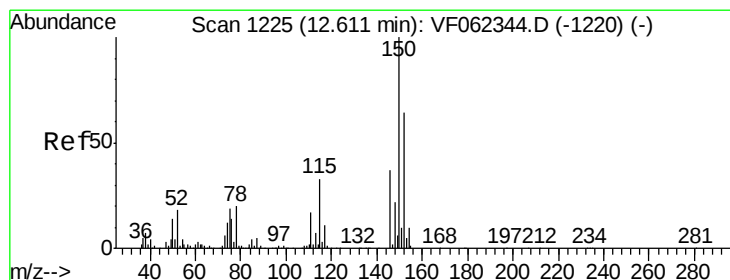
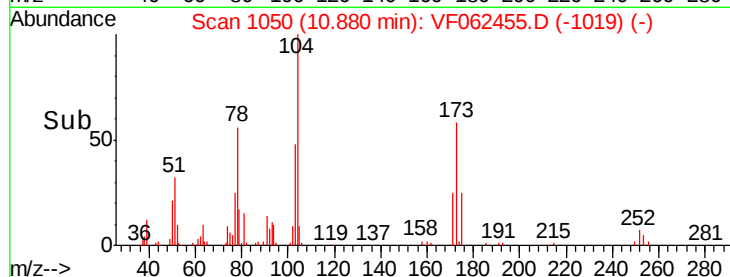
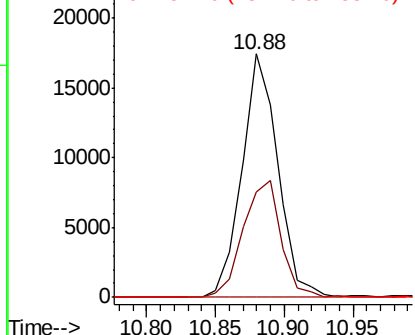
173 100

175 50.6 23.8 71.2

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1226

Delta R.T. 0.00 min

Lab File: VF062455.D

Acq: 11 May 2019 12:56

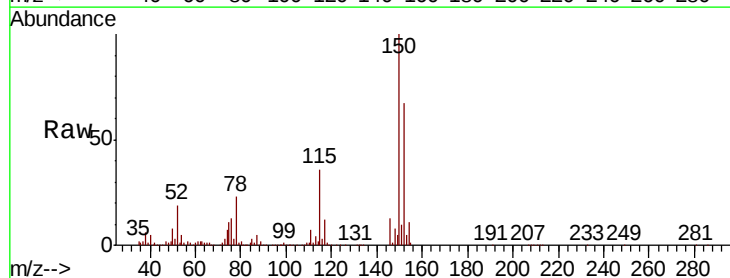
Tgt Ion:152 Resp: 227143

Ion Ratio Lower Upper

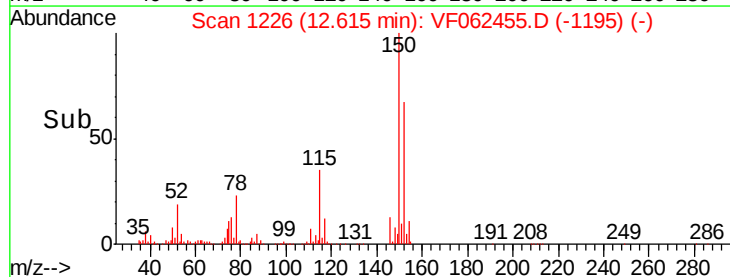
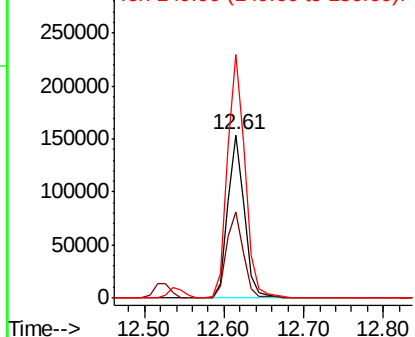
152 100

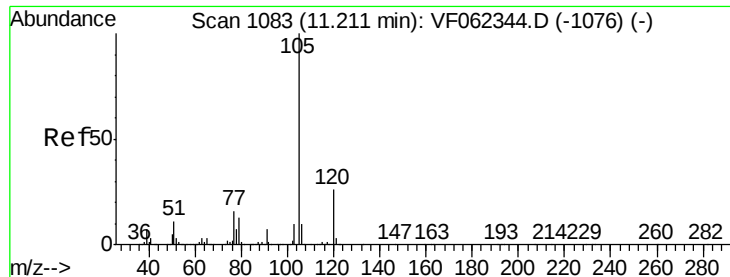
115 54.8 26.4 79.2

150 157.3 0.0 335.0



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





#73

Isopropylbenzene

Concen: 22.441 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF062455.D

Acq: 11 May 2019 12:56

Instrument :

MSVOA_F

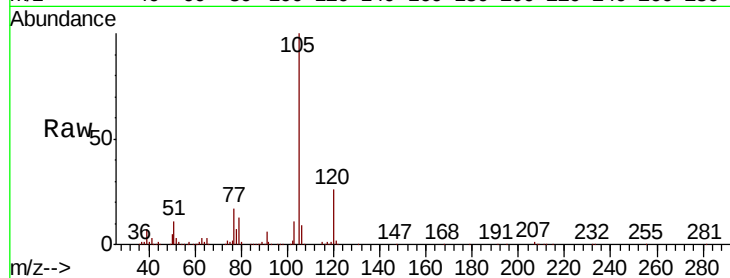
ClientSampleId :

Tot Ion: 105 Resp: 302188

Ion Ratio Lower Upper

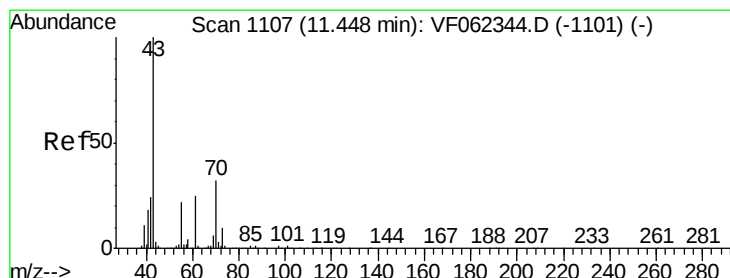
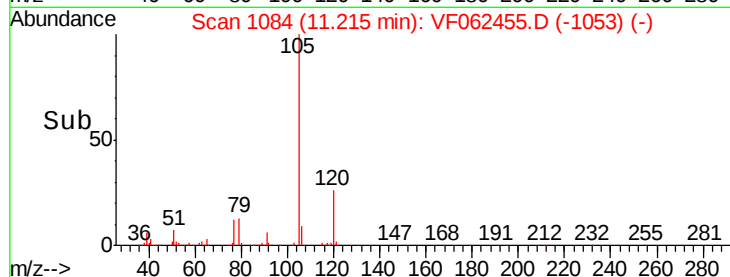
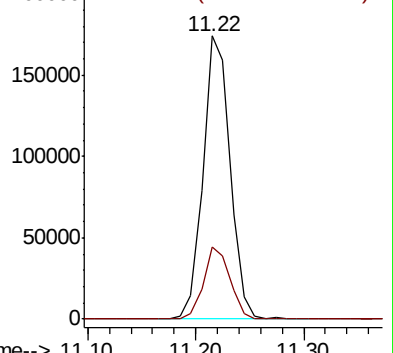
105 100

120 25.4 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.822 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF062455.D

Acq: 11 May 2019 12:56

Tgt Ion: 43 Resp: 60196

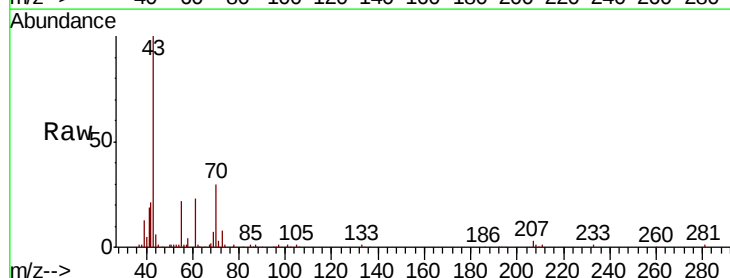
Ion Ratio Lower Upper

43 100

70 33.2 26.5 39.7

55 22.7 17.8 26.6

61 21.9 20.2 30.2

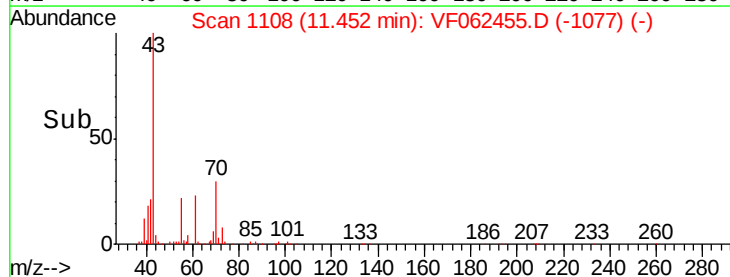
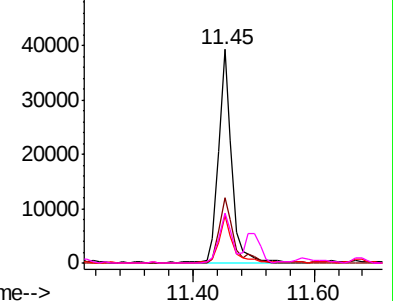


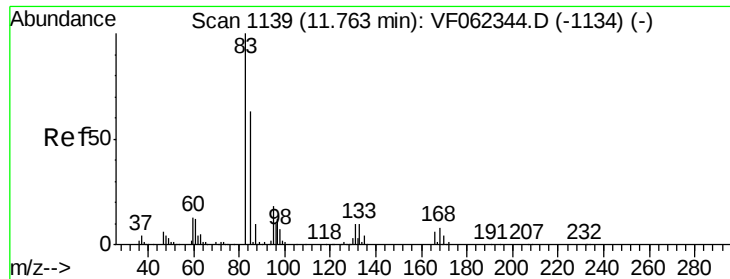
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.345 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF062455.D

Acq: 11 May 2019 12:56

Instrument :

MSVOA_F

ClientSampleId :

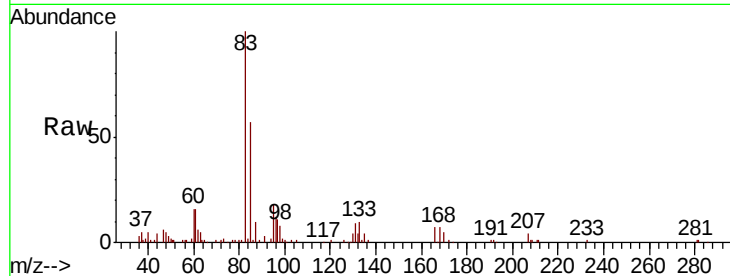
Tot Ion: 83 Resp: 42897

Ion Ratio Lower Upper

83 100

131 10.7 5.8 17.4

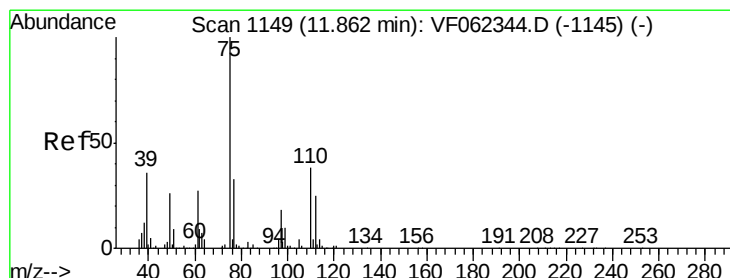
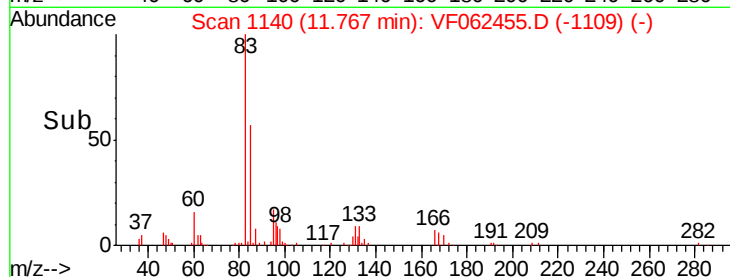
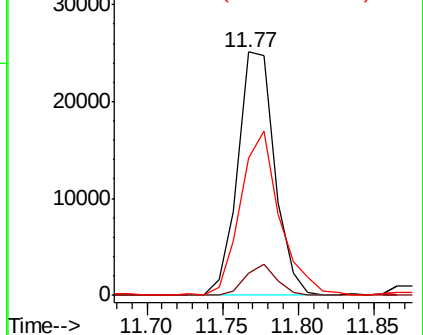
85 72.3 35.3 105.7



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 19.086 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. 0.01 min

Lab File: VF062455.D

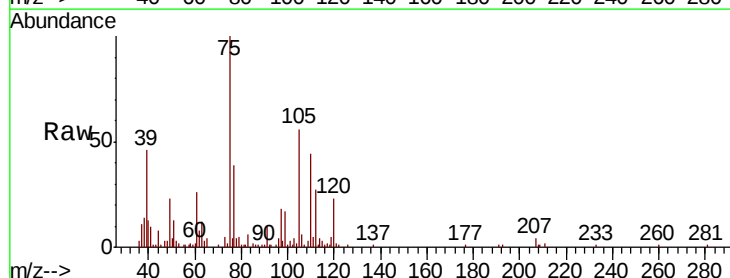
Acq: 11 May 2019 12:56

Tgt Ion: 75 Resp: 30702

Ion Ratio Lower Upper

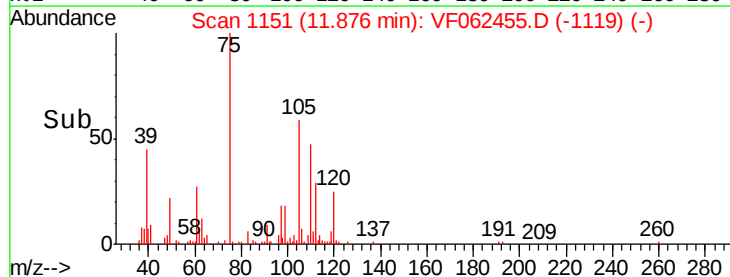
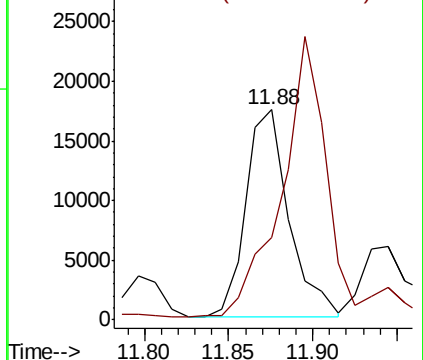
75 100

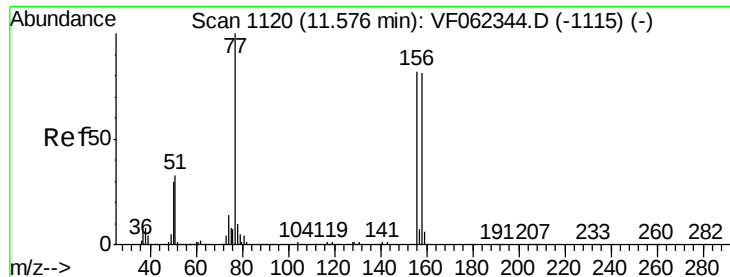
77 140.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.976 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF062455.D

Acq: 11 May 2019 12:56

Instrument :

MSVOA_F

ClientSampleId :

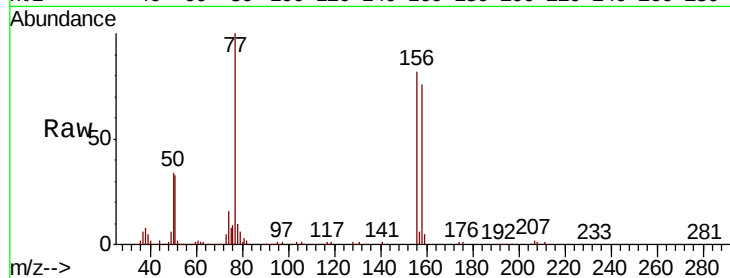
Tot Ion:156 Resp: 77664

Ion Ratio Lower Upper

156 100

77 121.9 64.8 194.3

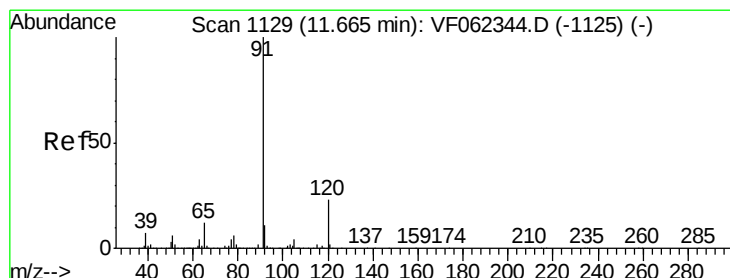
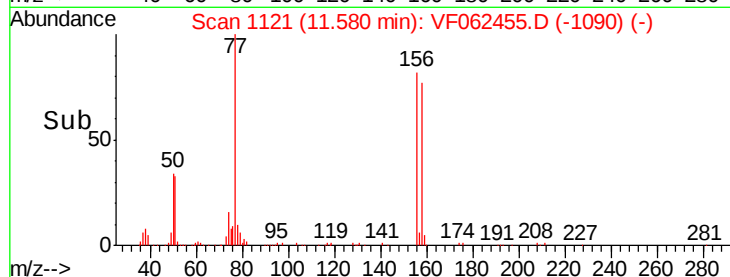
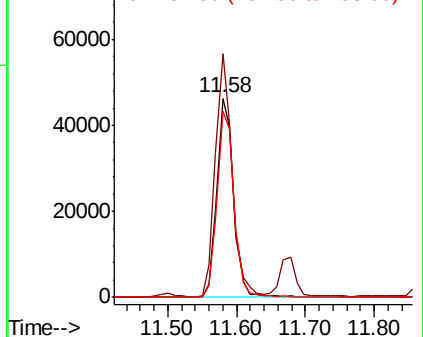
158 95.6 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.442 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.01 min

Lab File: VF062455.D

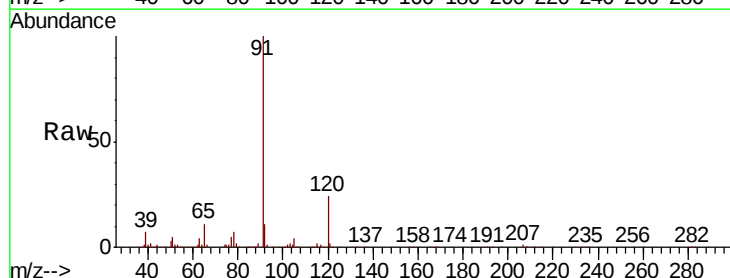
Acq: 11 May 2019 12:56

Tgt Ion: 91 Resp: 321741

Ion Ratio Lower Upper

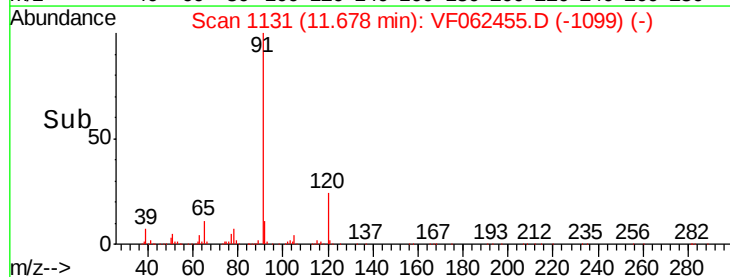
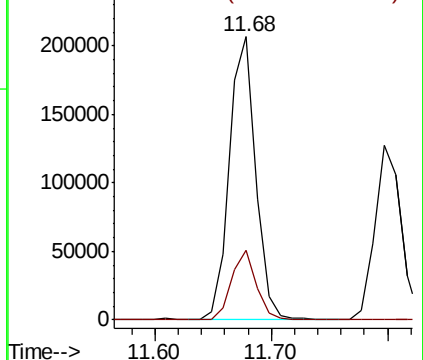
91 100

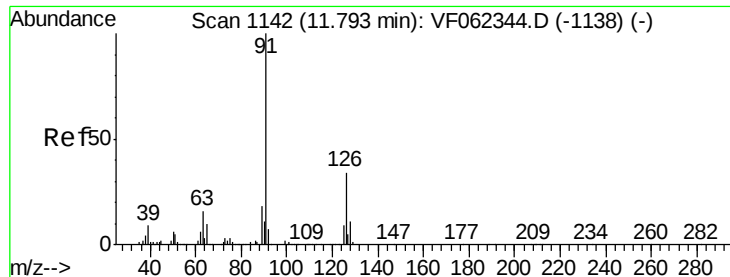
120 23.3 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

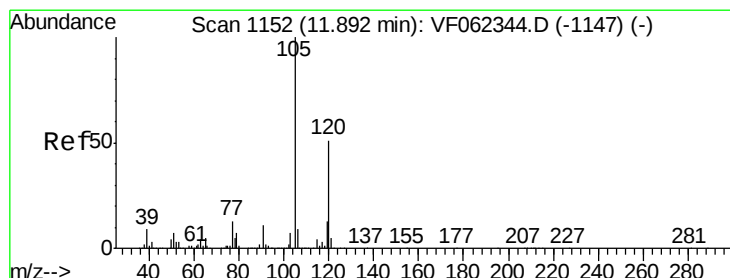
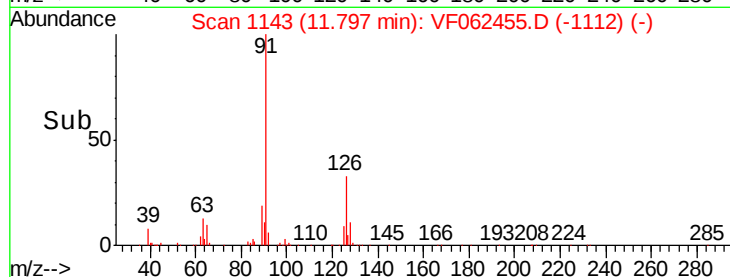
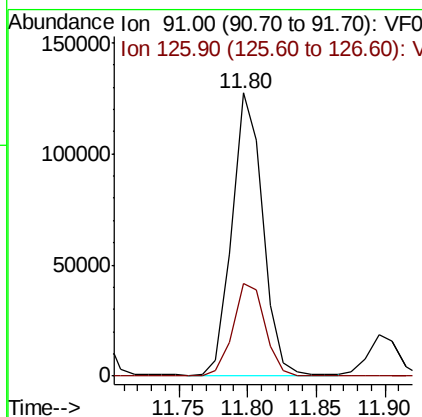
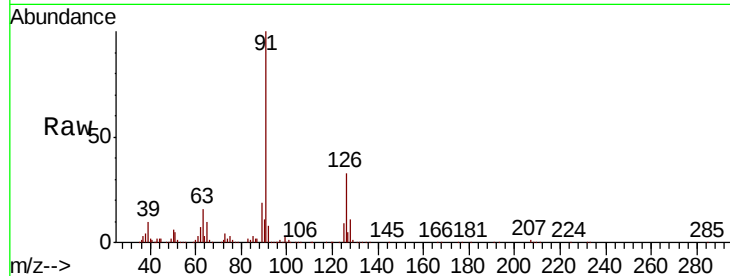




#79
 2-Chlorotoluene
 Concen: 22.184 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VF062455.D
 Acq: 11 May 2019 12:56

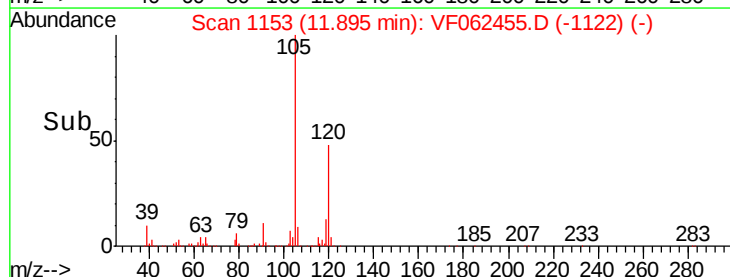
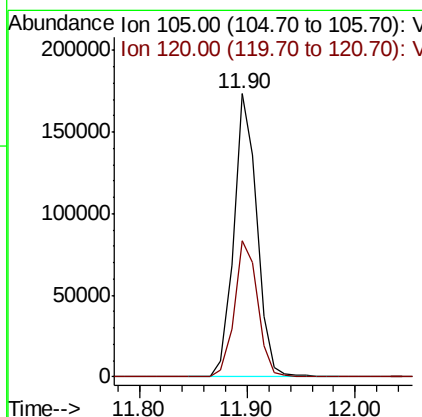
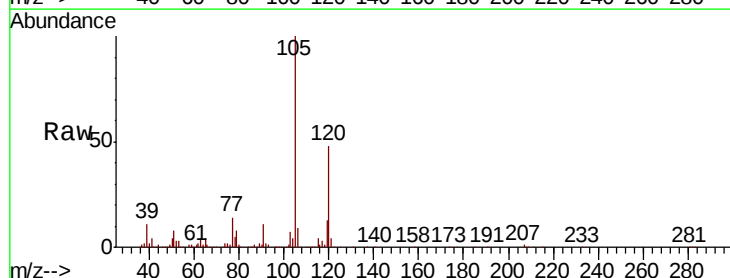
Instrument :
 MSVOA_F
 ClientSampled :

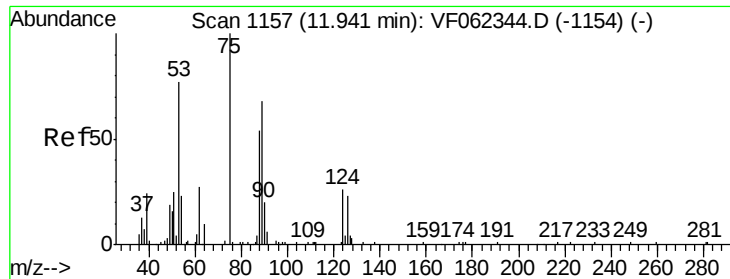
Tot Ion: 91 Resp: 197766
 Ion Ratio Lower Upper
 91 100
 126 34.8 17.8 53.4



#80
 1,3,5-Trimethylbenzene
 Concen: 21.804 ug/l
 RT: 11.90 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VF062455.D
 Acq: 11 May 2019 12:56

Tgt Ion: 105 Resp: 257350
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 16.920 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VF062455.D

Acq: 11 May 2019 12:56

Instrument :

MSVOA_F

ClientSampled :

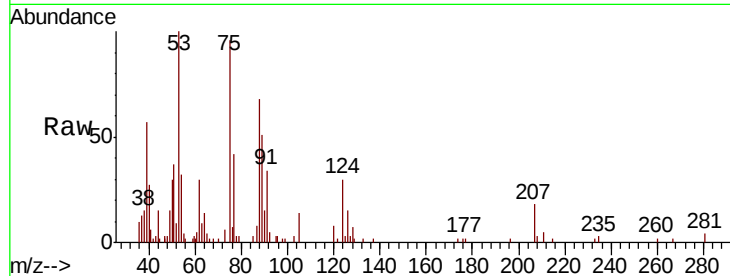
Tot Ion: 75 Resp: 10231

Ion Ratio Lower Upper

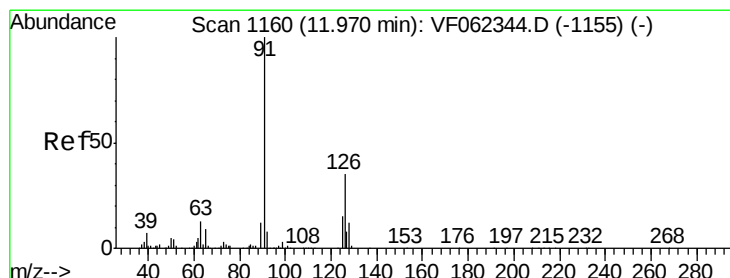
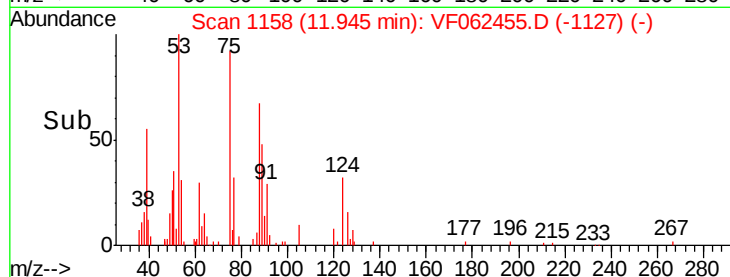
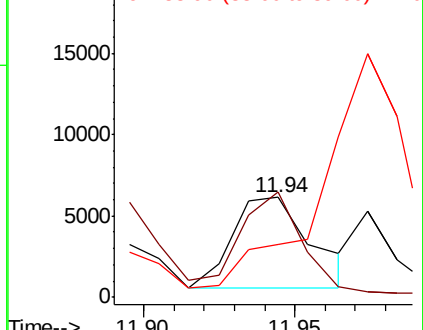
75 100

53 99.6 71.9 107.9

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0
Ion 53.00 (52.70 to 53.70): VF0
Ion 88.90 (88.60 to 89.60): VF0



#82

4-Chlorotoluene

Concen: 22.160 ug/l

RT: 11.97 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VF062455.D

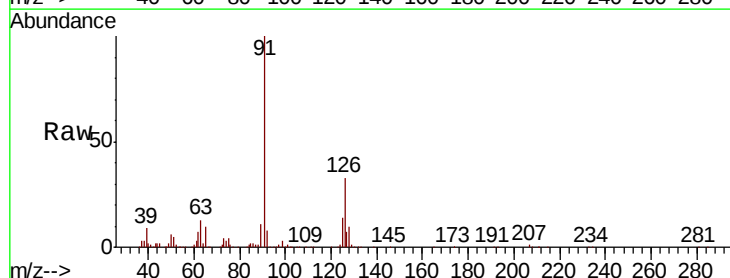
Acq: 11 May 2019 12:56

Tgt Ion: 91 Resp: 195119

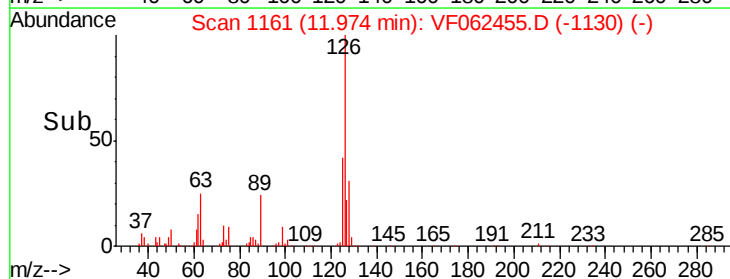
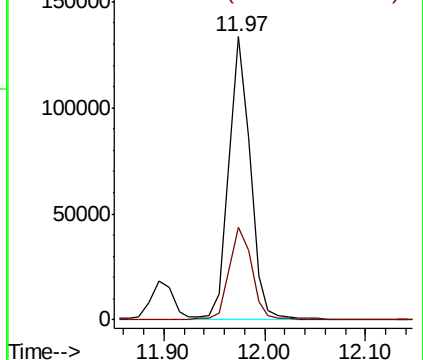
Ion Ratio Lower Upper

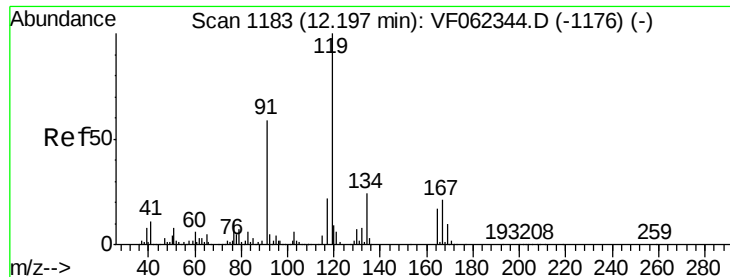
91 100

126 35.5 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 125.90 (125.60 to 126.60): V

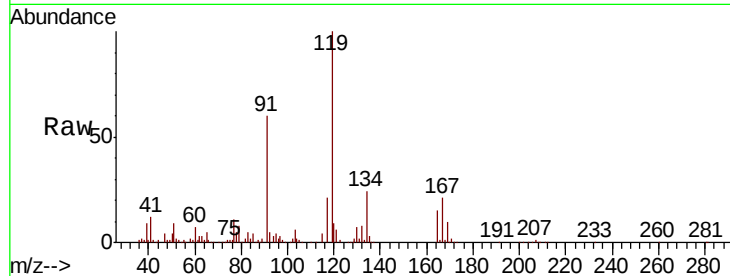




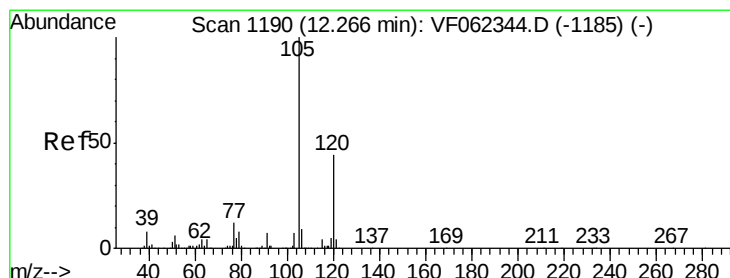
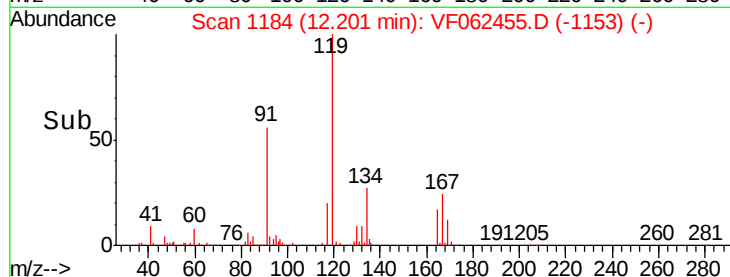
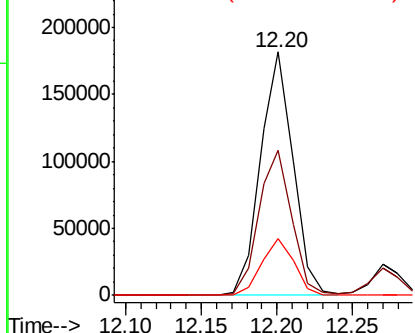
#83
tert-Butylbenzene
Concen: 22.098 ug/l
RT: 12.20 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VF062455.D
Acq: 11 May 2019 12:56

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:119 Resp: 274101
Ion Ratio Lower Upper
119 100
91 60.0 30.4 91.3
134 23.4 11.9 35.7

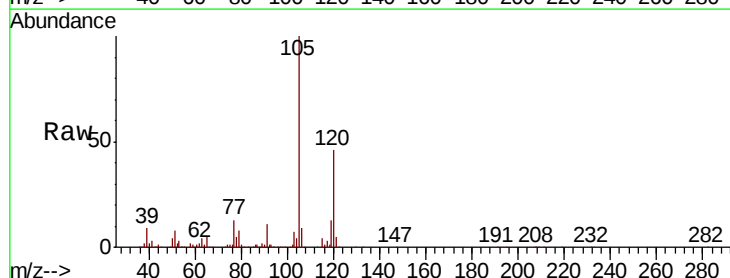


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

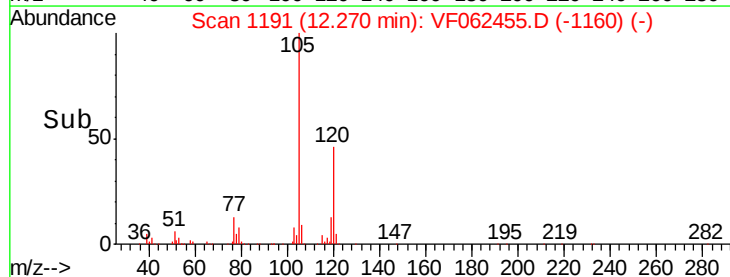
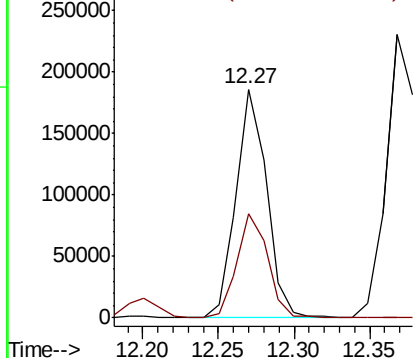


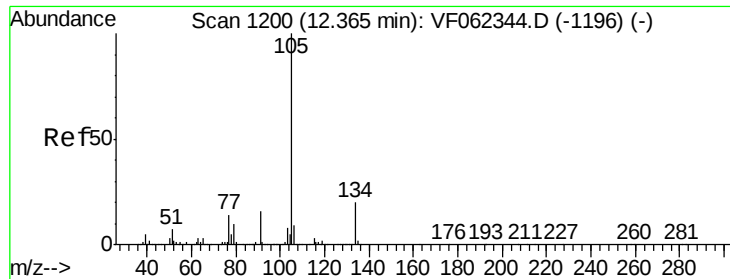
#84
1,2,4-Trimethylbenzene
Concen: 22.621 ug/l
RT: 12.27 min Scan# 1191
Delta R.T. 0.00 min
Lab File: VF062455.D
Acq: 11 May 2019 12:56

Tgt Ion:105 Resp: 261282
Ion Ratio Lower Upper
105 100
120 45.8 22.6 67.7



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





#85

sec-Butylbenzene

Concen: 22.357 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VF062455.D

Acq: 11 May 2019 12:56

Instrument :

MSVOA_F

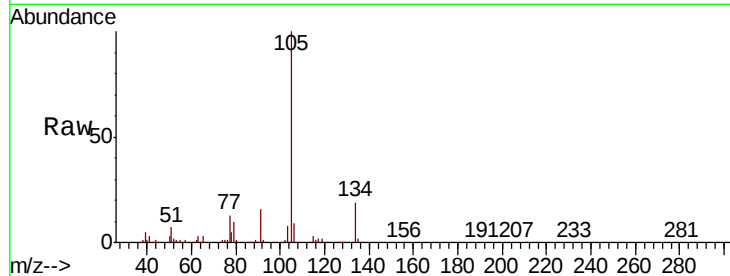
ClientSampled :

Tot Ion:105 Resp: 337552

Ion Ratio Lower Upper

105 100

134 19.8 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

50000

0

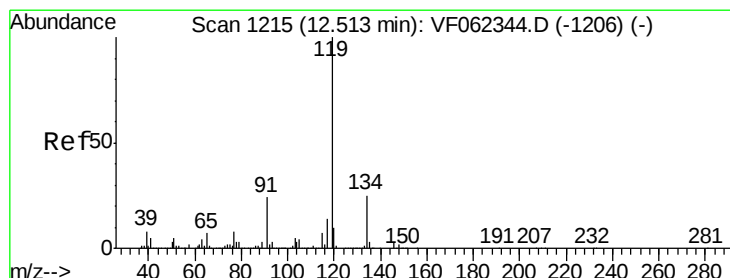
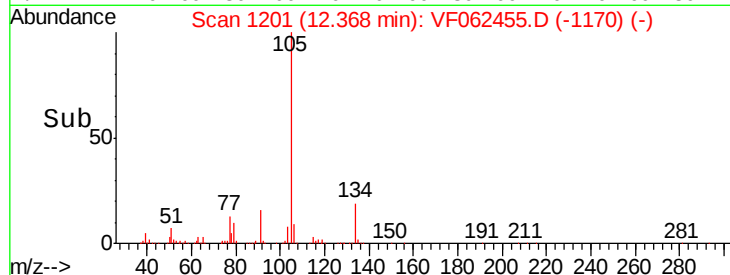
12.30

12.37

12.40

12.50

Time-->



#86

p-Isopropyltoluene

Concen: 22.399 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VF062455.D

Acq: 11 May 2019 12:56

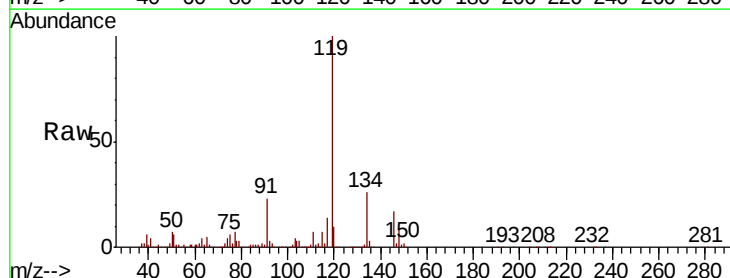
Tgt Ion:119 Resp: 314201

Ion Ratio Lower Upper

119 100

134 25.4 12.9 38.7

91 24.8 12.3 36.8



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

250000

200000

150000

100000

50000

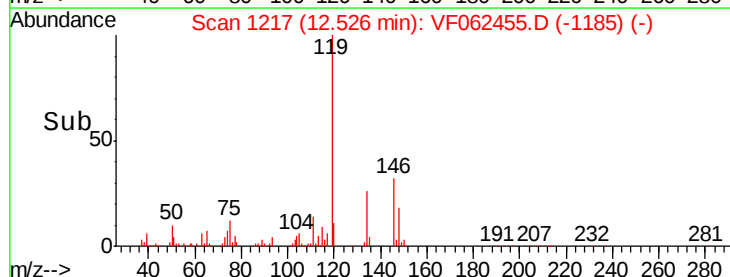
0

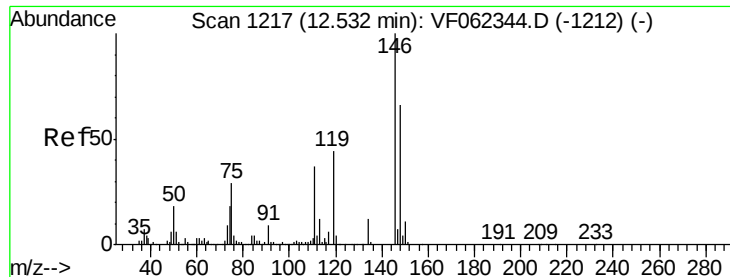
12.40

12.53

12.60

Time-->

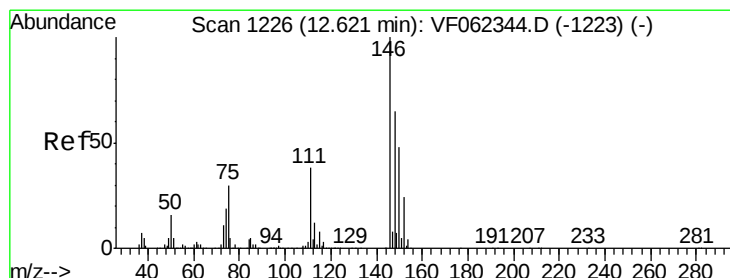
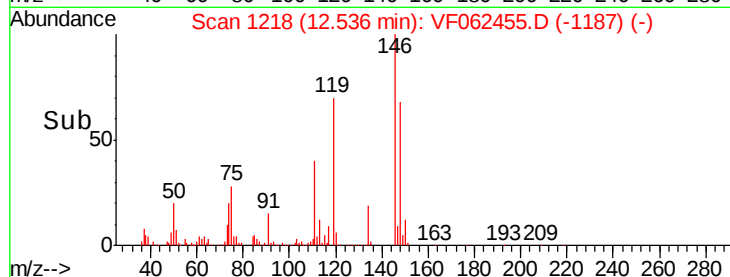
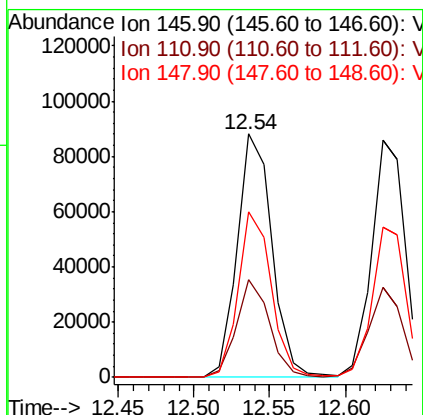
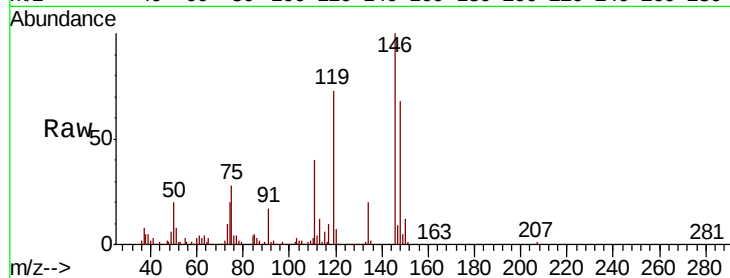




#87
 1,3-Dichlorobenzene
 Concen: 21.831 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF062455.D
 Acq: 11 May 2019 12:56

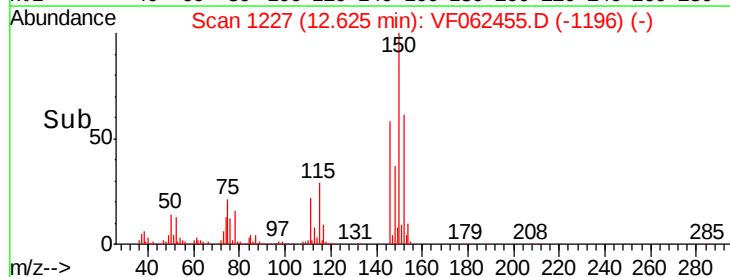
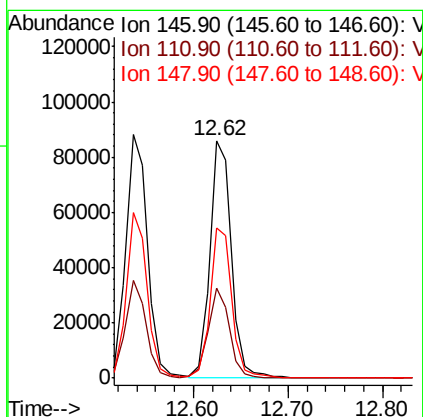
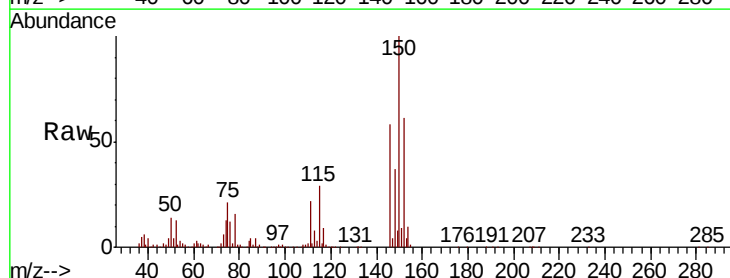
Instrument :
 MSVOA_F
 ClientSampleId :

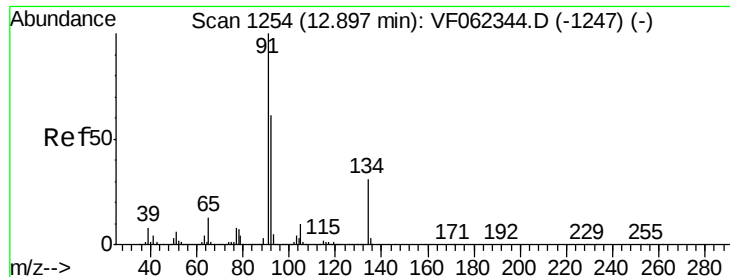
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.3	54.8
148	65.2	32.3	96.9



#88
 1,4-Dichlorobenzene
 Concen: 21.873 ug/l
 RT: 12.62 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VF062455.D
 Acq: 11 May 2019 12:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.8	56.3
148	64.1	32.2	96.6





#89

n-Butylbenzene

Concen: 23.978 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VF062455.D

Acq: 11 May 2019 12:56

Instrument :

MSVOA_F

ClientSampleId :

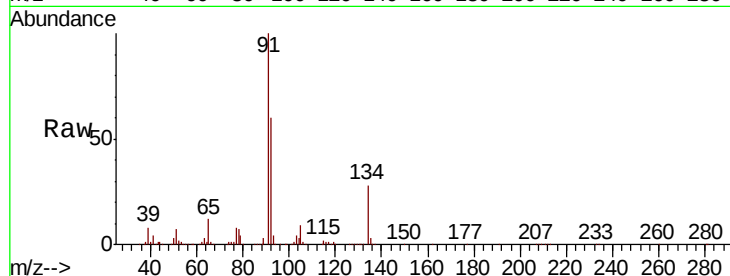
Tot Ion: 91 Resp: 299245

Ion Ratio Lower Upper

91 100

92 59.2 30.0 90.0

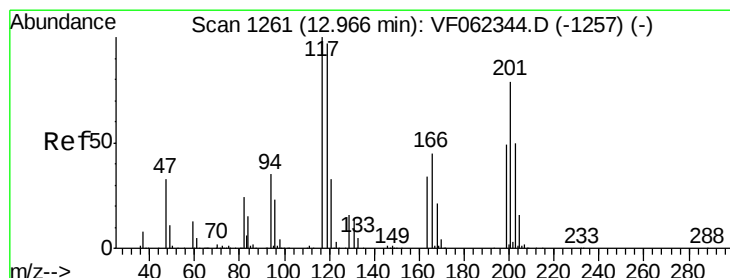
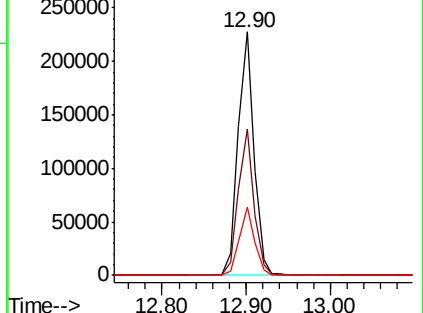
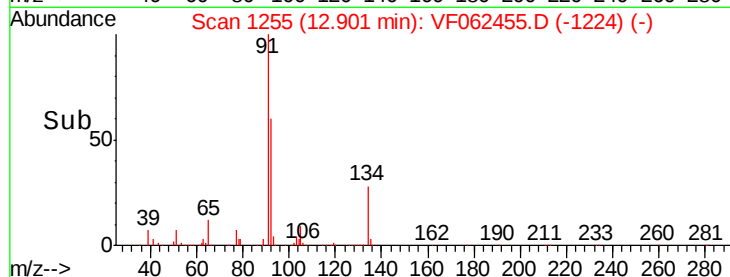
134 27.1 14.1 42.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 21.469 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VF062455.D

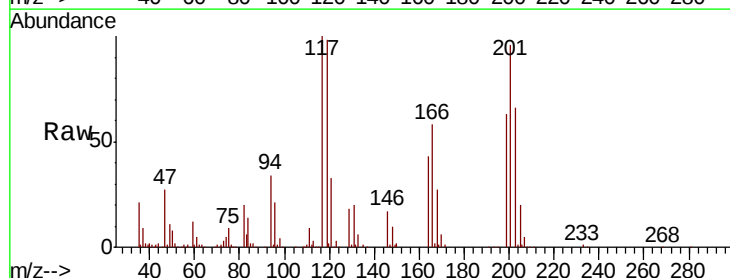
Acq: 11 May 2019 12:56

Tgt Ion: 117 Resp: 75196

Ion Ratio Lower Upper

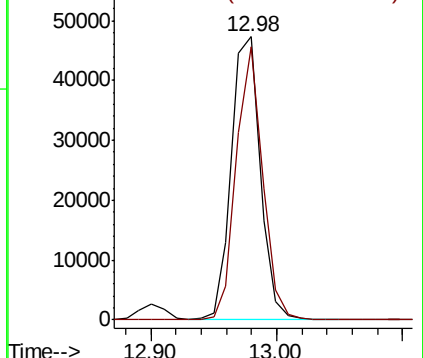
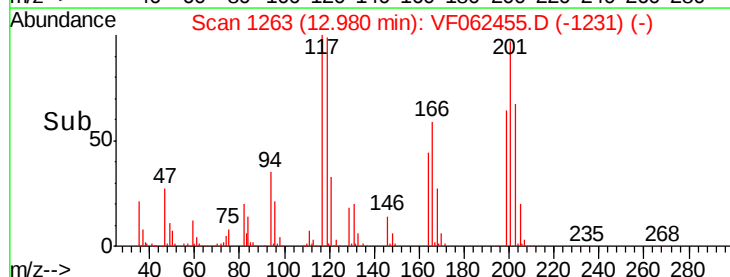
117 100

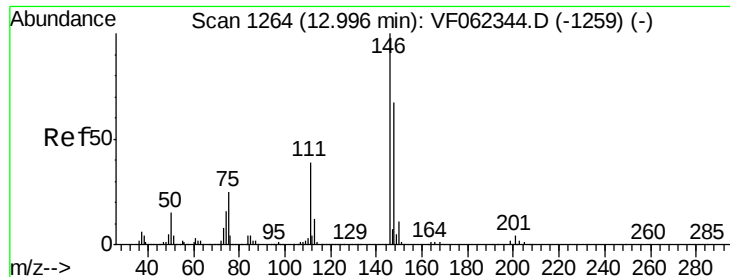
201 87.5 46.2 138.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

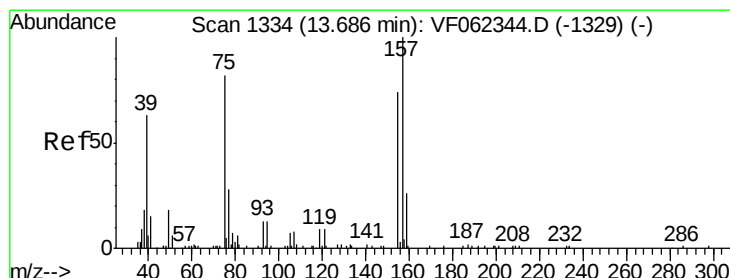
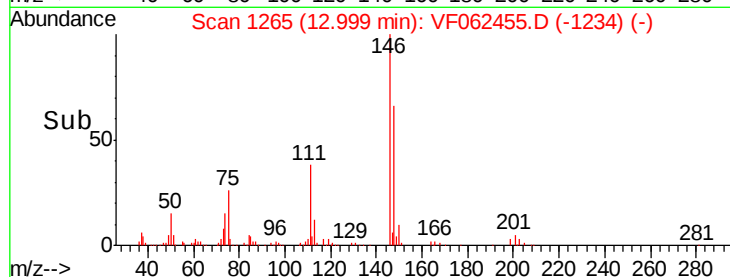
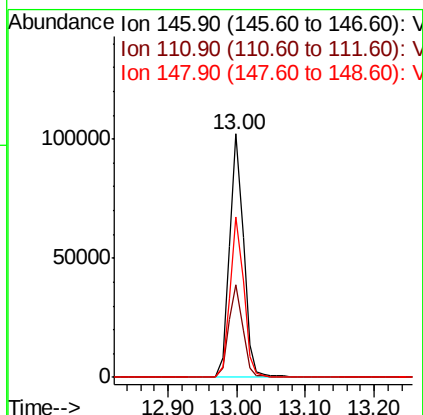
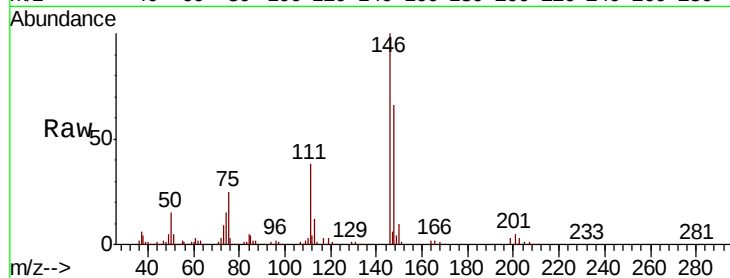




#91
 1,2-Dichlorobenzene
 Concen: 23.187 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VF062455.D
 Acq: 11 May 2019 12:56

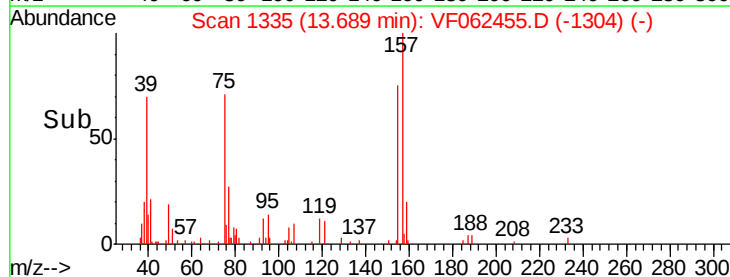
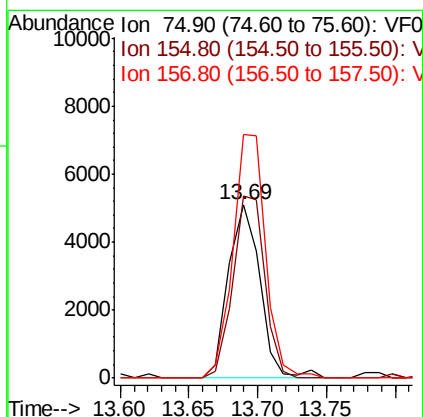
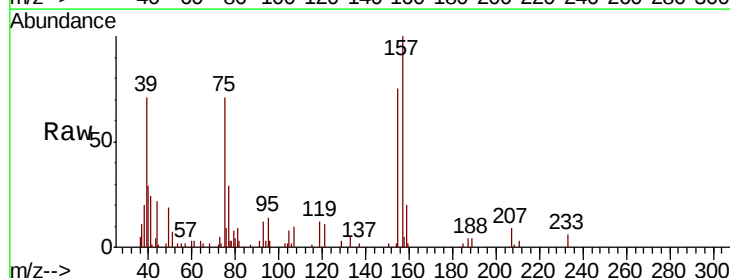
Instrument :
 MSVOA_F
 ClientSampled :

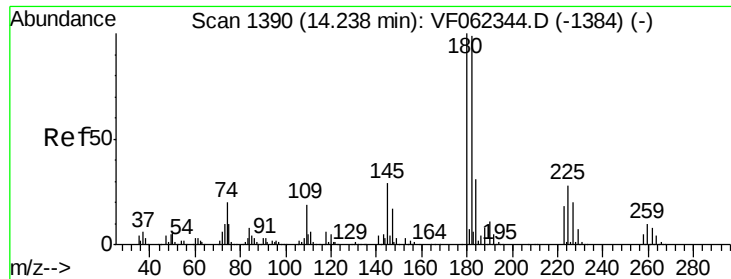
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	20.0	60.0
148	64.3	33.1	99.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.385 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VF062455.D
 Acq: 11 May 2019 12:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.9	51.8	155.4
157	144.2	67.3	201.8

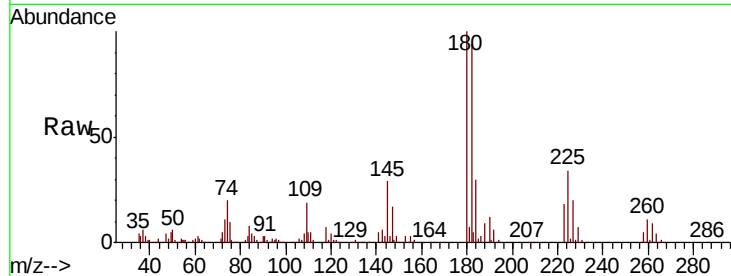




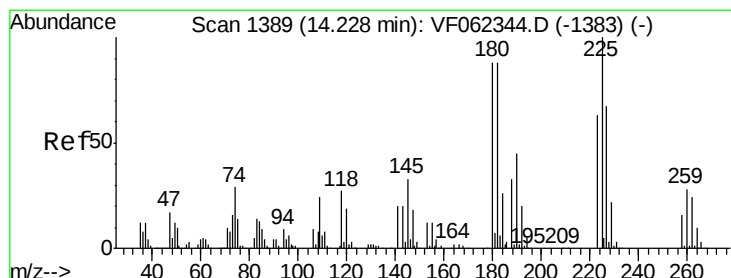
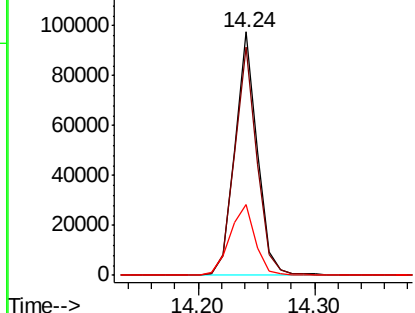
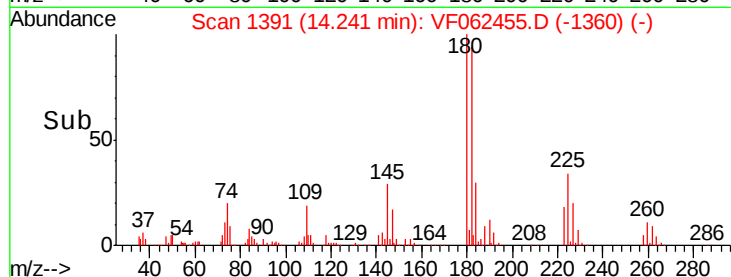
#93
 1,2,4-Trichlorobenzene
 Concen: 23.157 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF062455.D
 Acq: 11 May 2019 12:56

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:180 Resp: 129765
 Ion Ratio Lower Upper
 180 100
 182 95.0 49.0 147.0
 145 33.1 16.7 50.1

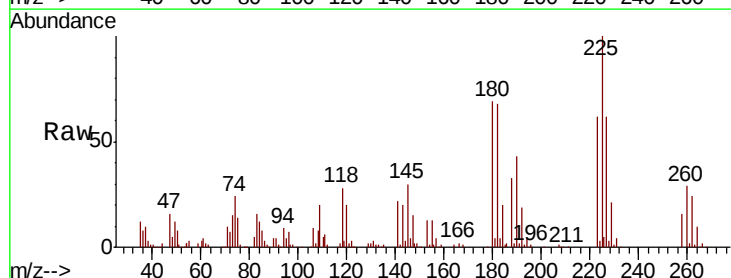


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

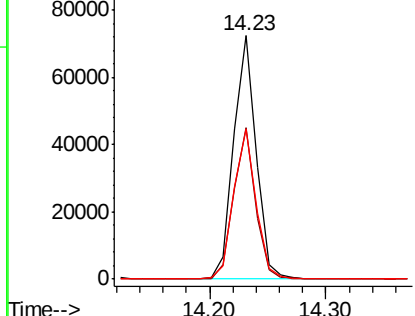
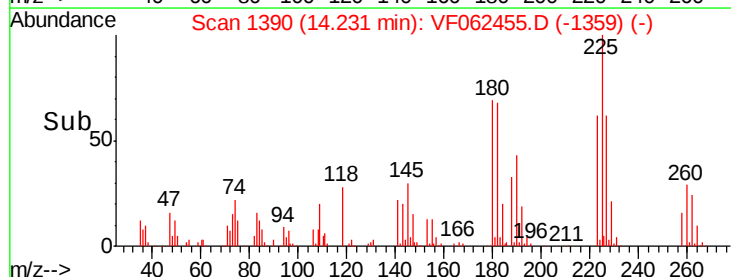


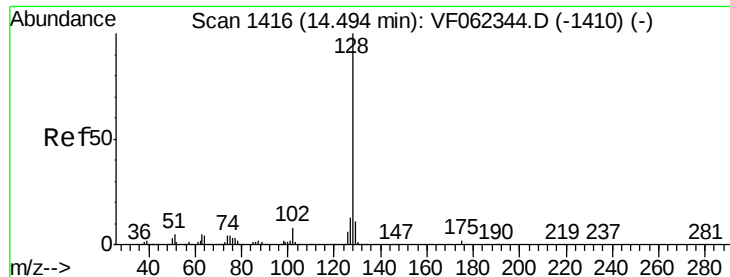
#94
 Hexachlorobutadiene
 Concen: 23.138 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062455.D
 Acq: 11 May 2019 12:56

Tgt Ion:225 Resp: 96638
 Ion Ratio Lower Upper
 225 100
 223 60.3 31.9 95.5
 227 61.8 33.1 99.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

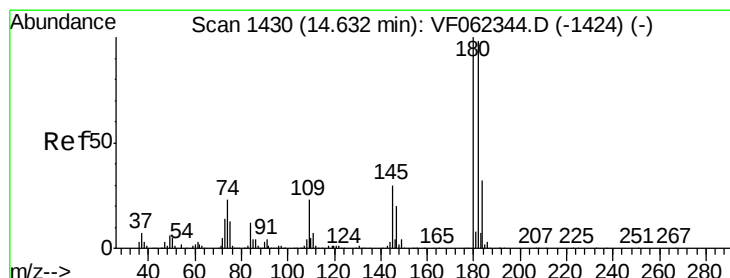
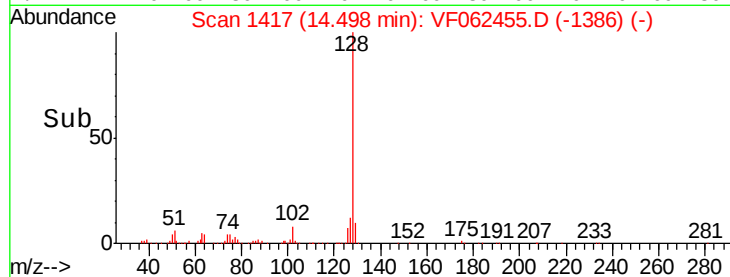
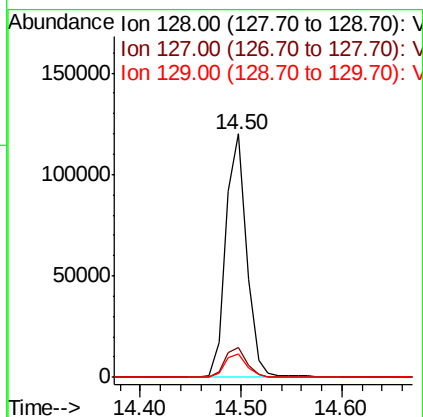
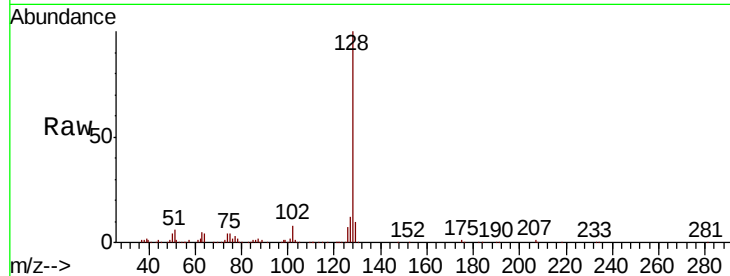




#95
Naphthalene
Concen: 20.569 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. 0.00 min
Lab File: VF062455.D
Acq: 11 May 2019 12:56

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:128 Resp: 173286
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 10.3 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 22.739 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VF062455.D
Acq: 11 May 2019 12:56

Tgt Ion:180 Resp: 123442
Ion Ratio Lower Upper
180 100
182 97.6 49.4 148.0
145 29.7 14.8 44.3

