

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 :
 VF0511SBSD01

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

33) 1,2-Dichloroethane-d4	5.04	65	140680	49.50	ug/l	0.02
Spiked Amount	50.000		Recovery	=	99.00%	
35) Dibromofluoromethane	4.32	113	174640	51.67	ug/l	0.02
Spiked Amount	50.000		Recovery	=	103.34%	
50) Toluene-d8	7.72	98	397726	48.61	ug/l	0.01
Spiked Amount	50.000		Recovery	=	97.22%	
62) 4-Bromofluorobenzene	11.50	95	191582	51.90	ug/l	0.01
Spiked Amount	50.000		Recovery	=	103.80%	

Target Compounds

						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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 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)
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

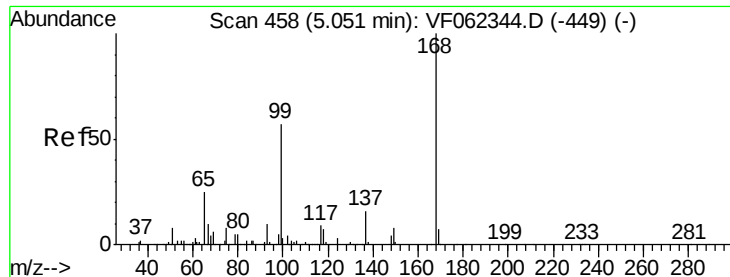
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051119\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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



#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 :

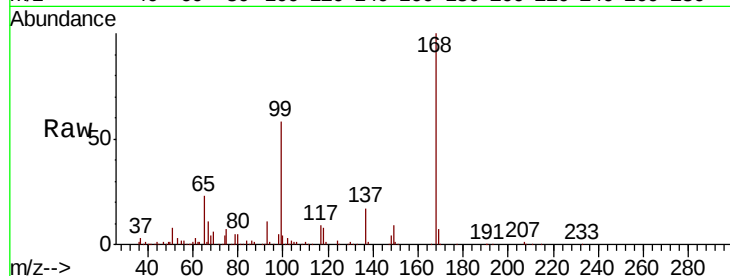
VF0511SBS01

Tot Ion:168 Resp: 300759

Ion Ratio Lower Upper

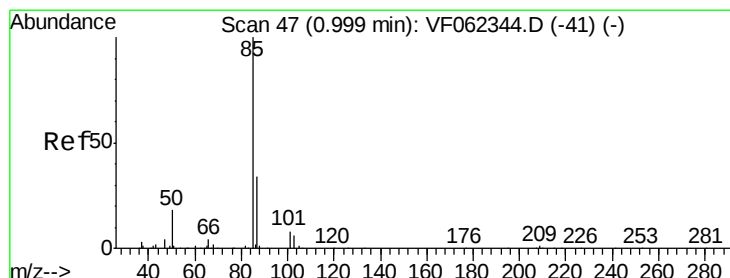
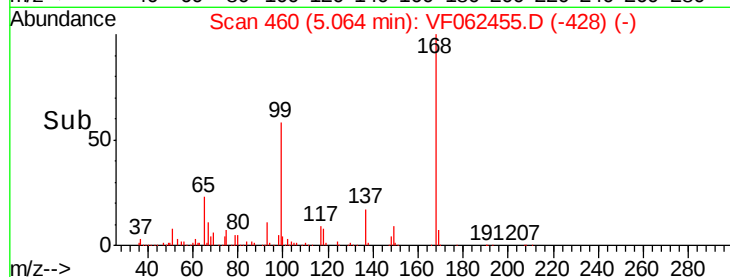
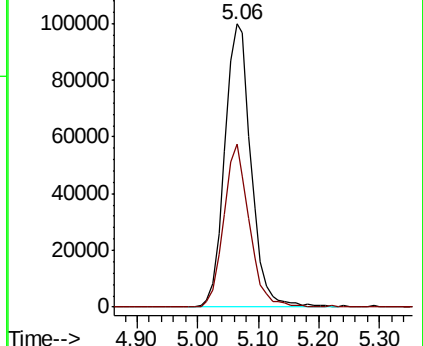
168 100

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

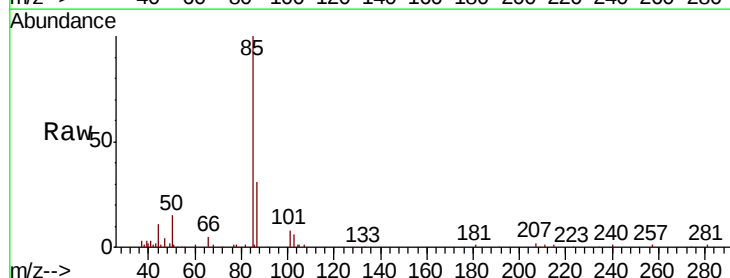
Acq: 11 May 2019 12:56

Tgt Ion: 85 Resp: 87767

Ion Ratio Lower Upper

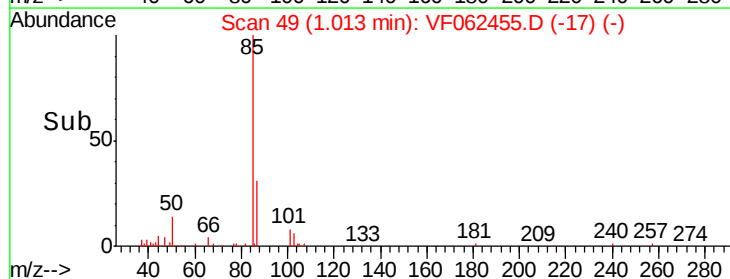
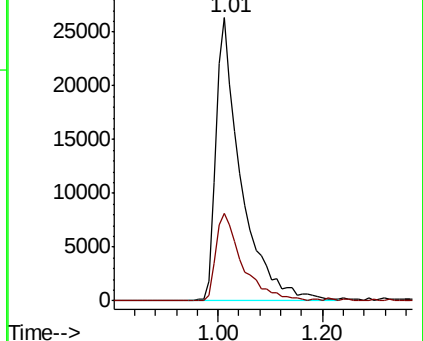
85 100

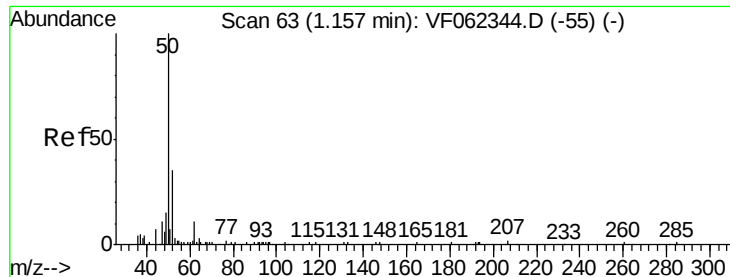
87 31.1 16.8 50.4



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 :

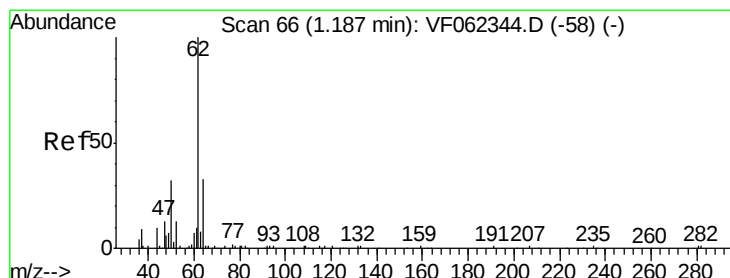
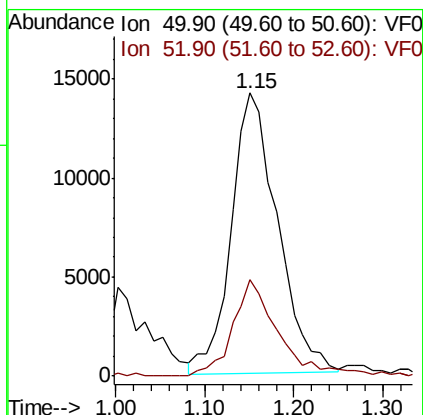
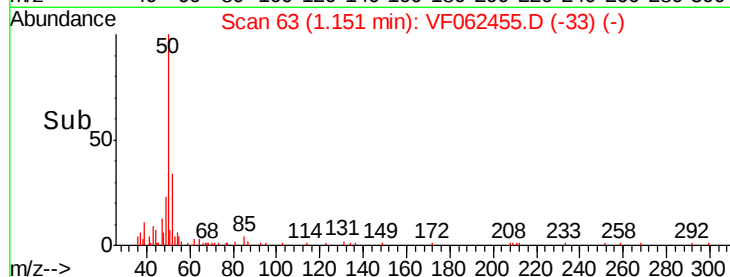
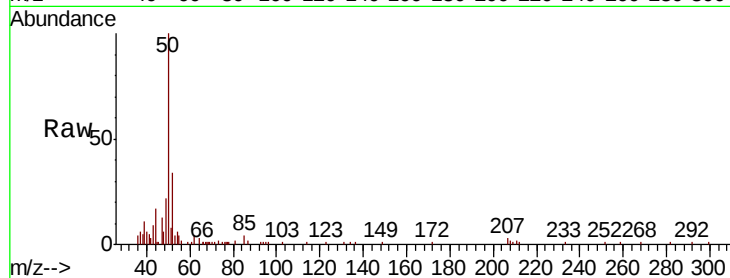
VF0511SBS01

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

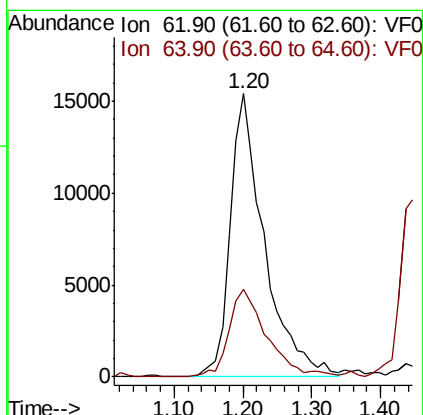
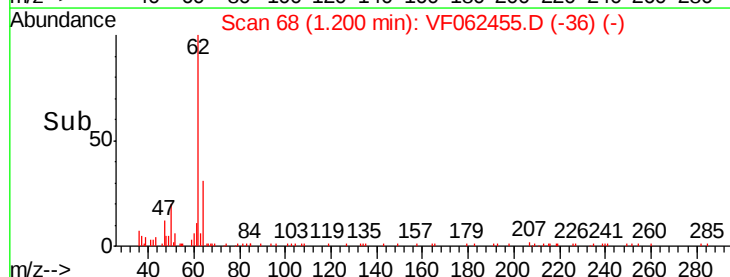
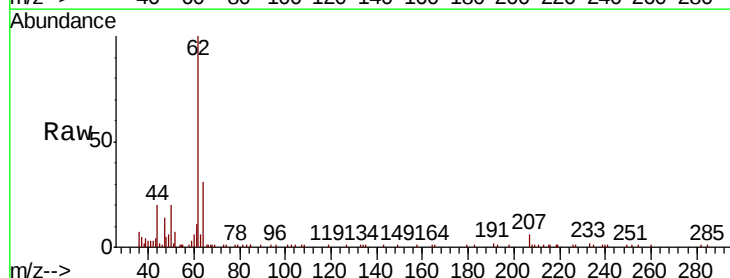
Acq: 11 May 2019 12:56

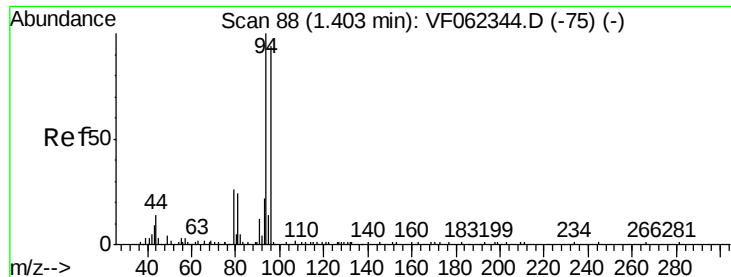
Tgt Ion: 62 Resp: 52744

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 :

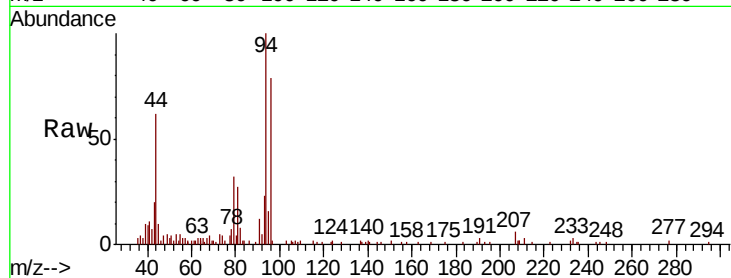
VF0511SBS01

Tot Ion: 94 Resp: 42389

Ion Ratio Lower Upper

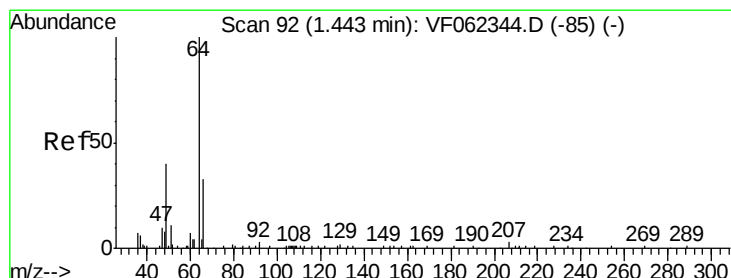
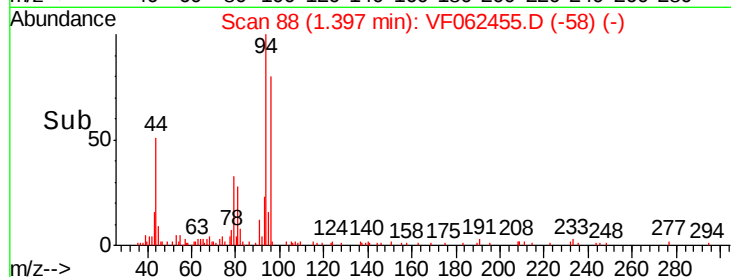
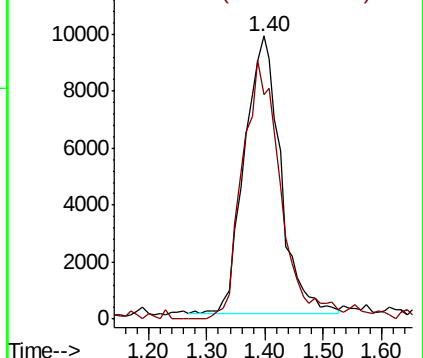
94 100

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

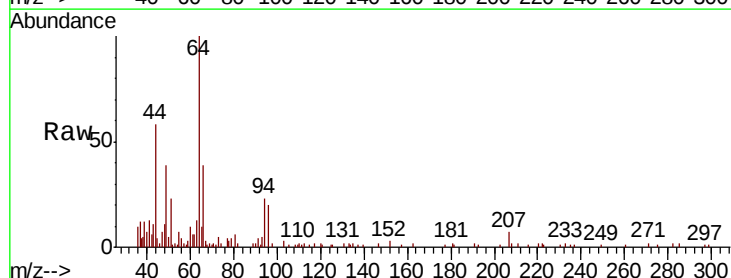
Acq: 11 May 2019 12:56

Tgt Ion: 64 Resp: 28433

Ion Ratio Lower Upper

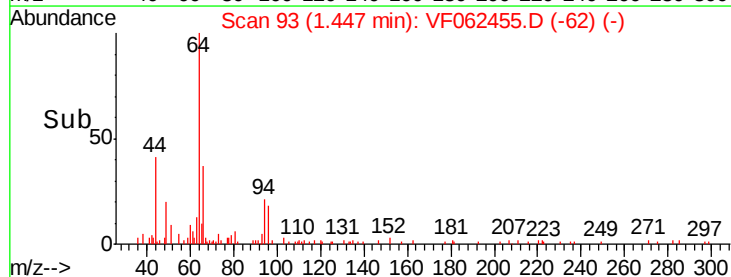
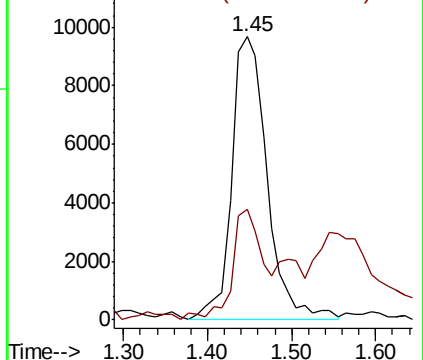
64 100

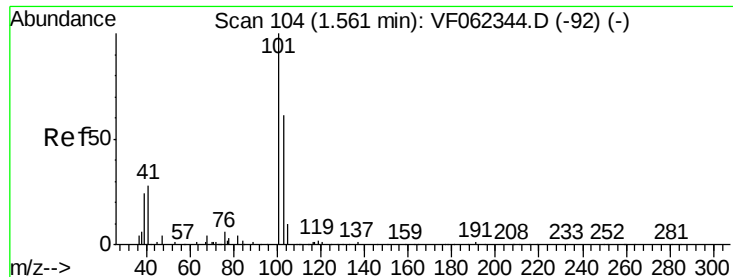
66 36.4 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VF0

Ion 65.90 (65.60 to 66.60): VF0



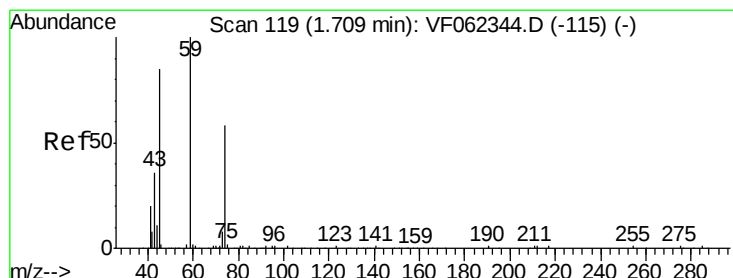
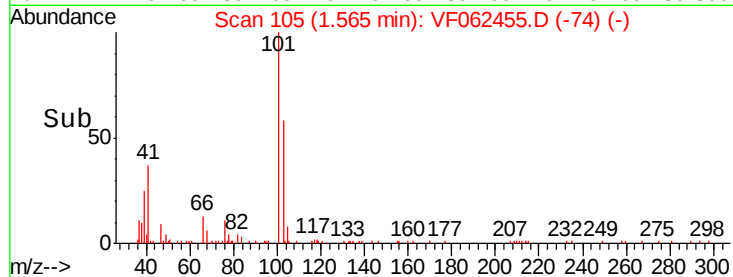
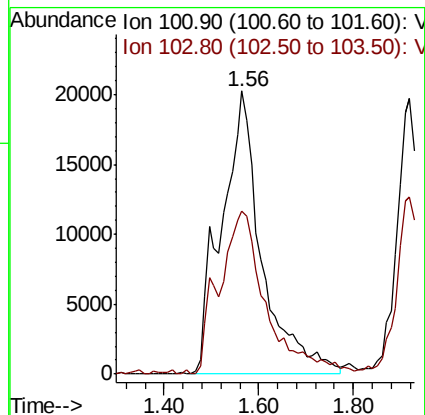
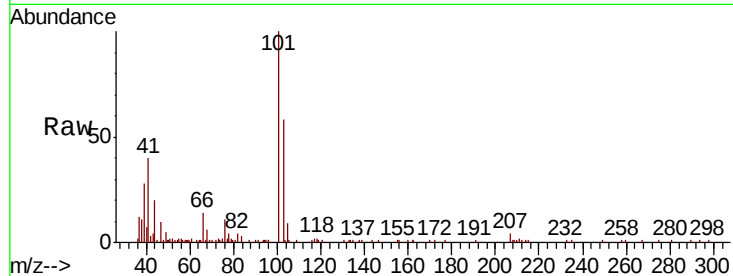


#7

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 :
VF0511SBSD01

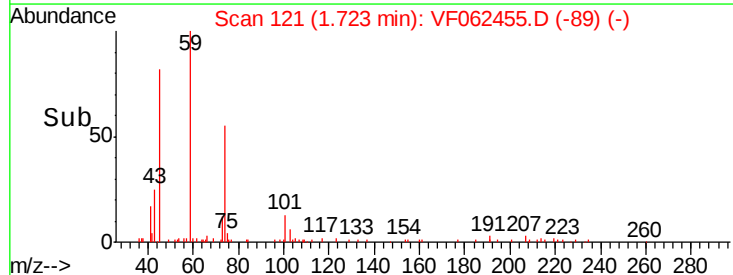
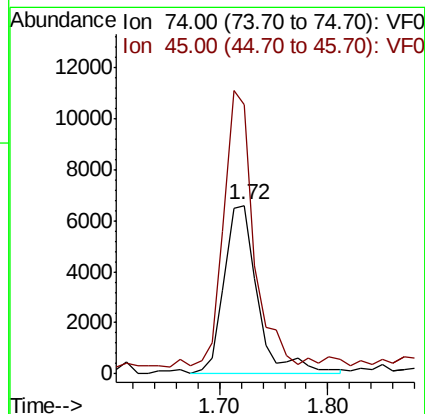
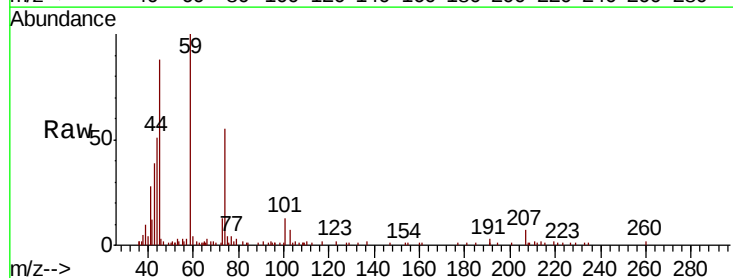
Tot Ion:101 Resp: 120096
Ion Ratio Lower Upper
101 100
103 57.7 48.5 72.7

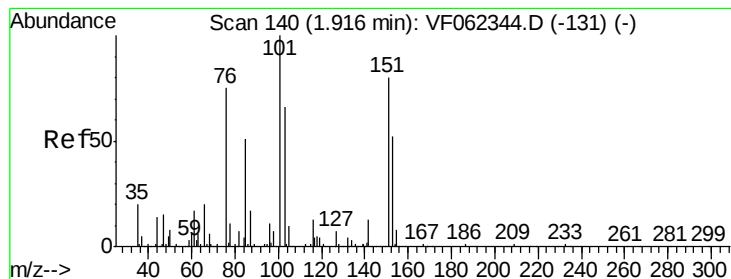


#8

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 :

VF0511SBS01

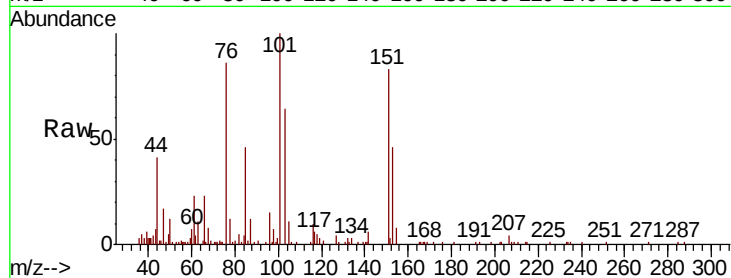
Tot Ion:101 Resp: 68976

Ion Ratio Lower Upper

101 100

85 52.2 39.5 59.3

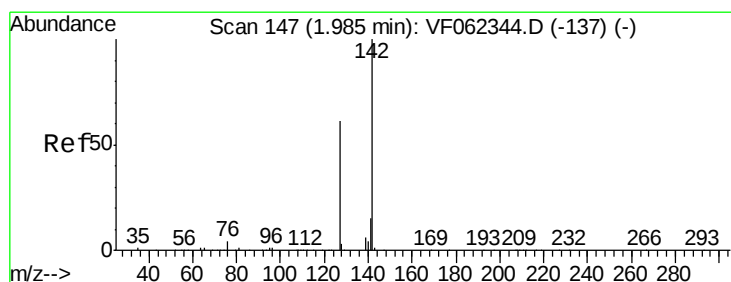
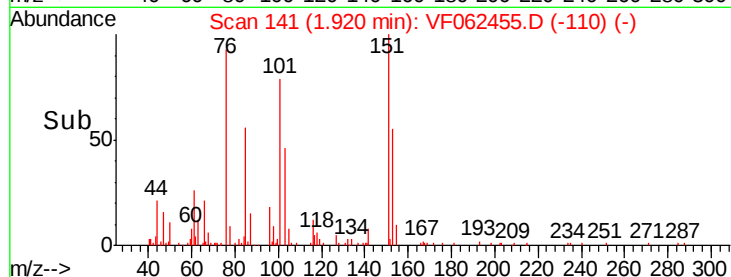
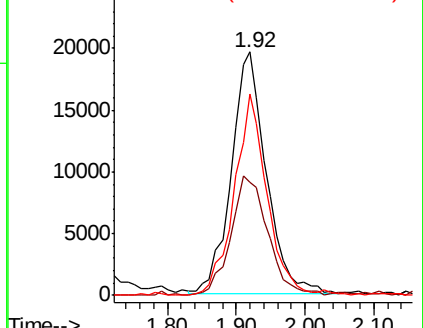
151 77.8 59.9 89.9



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

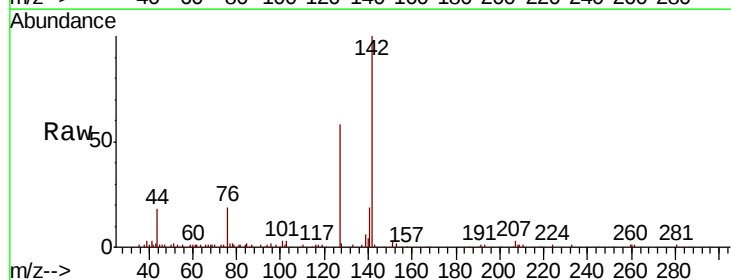
Tgt Ion:142 Resp: 120309

Ion Ratio Lower Upper

142 100

127 59.6 48.4 72.6

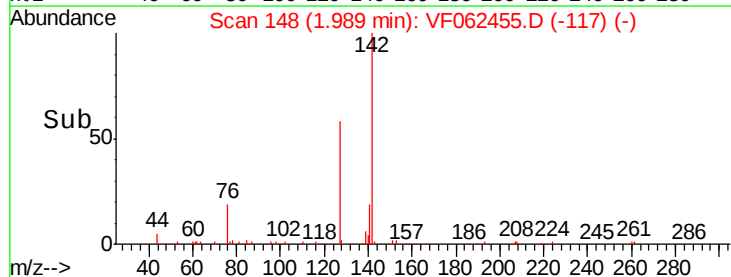
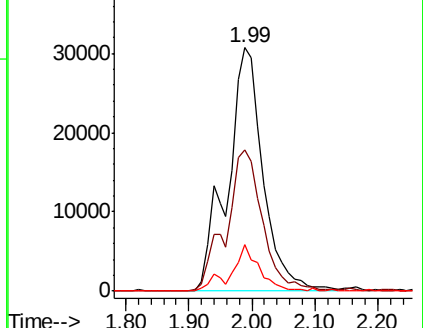
141 11.6 12.2 18.4#

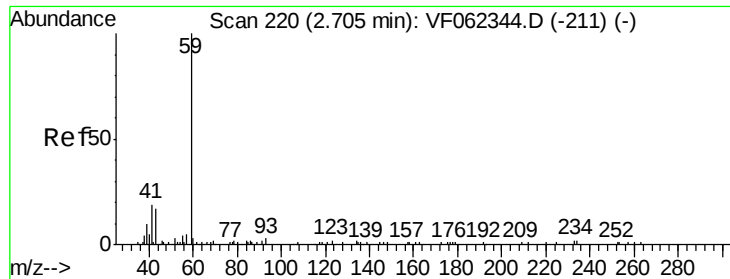


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



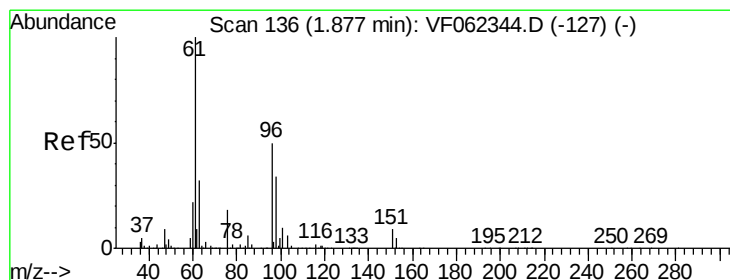
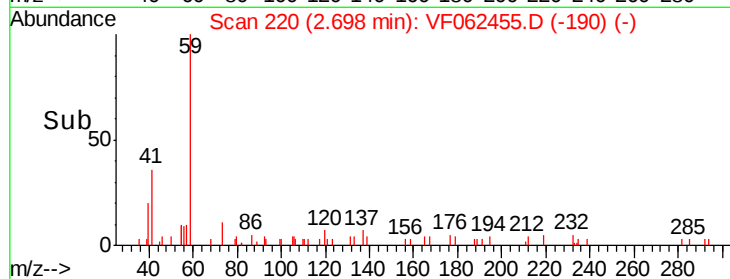
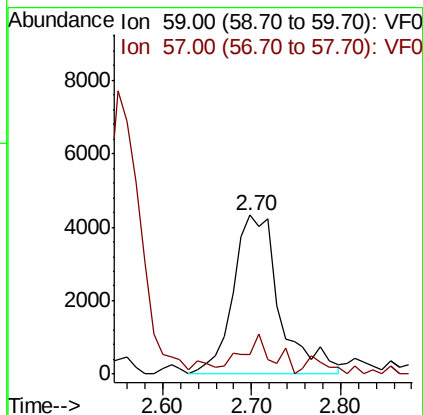
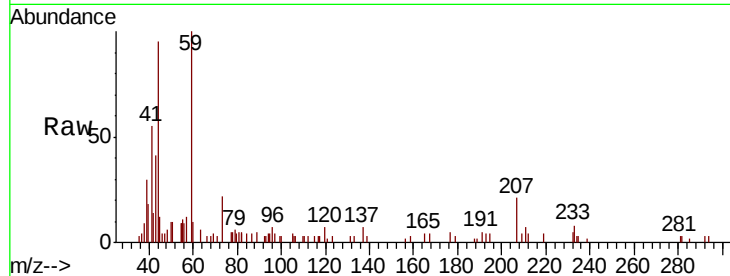


#11

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
 ClientSampleId :
 VF0511SBSD01

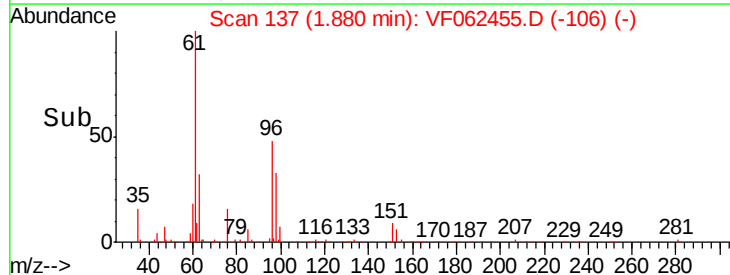
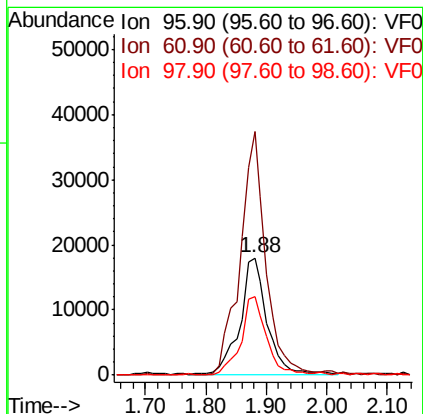
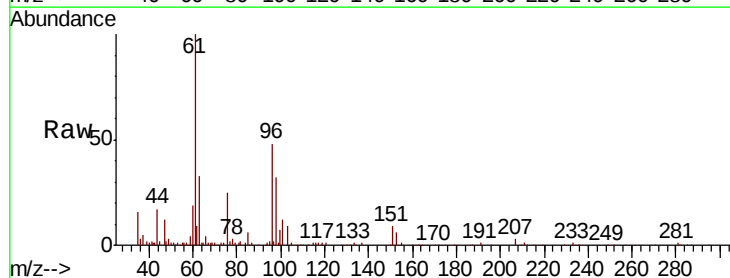
Tot Ion: 59 Resp: 15769
 Ion Ratio Lower Upper
 59 100
 57 16.3 9.3 13.9#

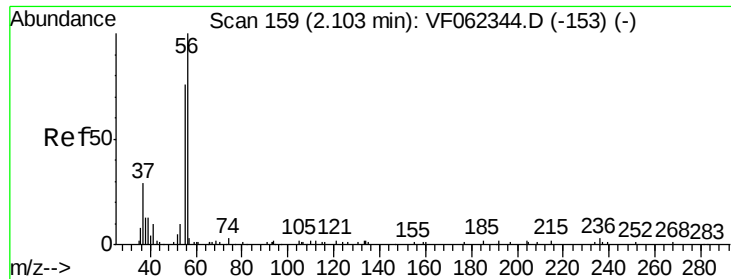


#12

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 :

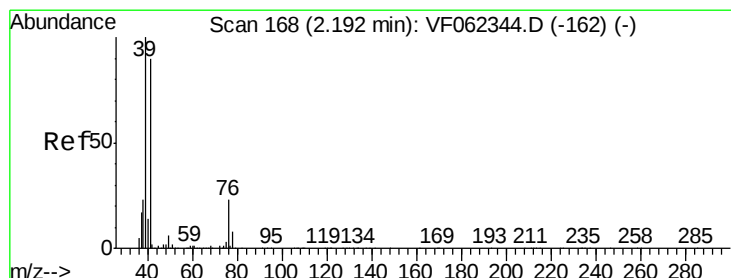
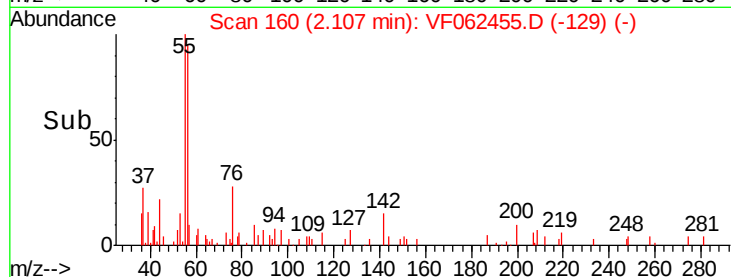
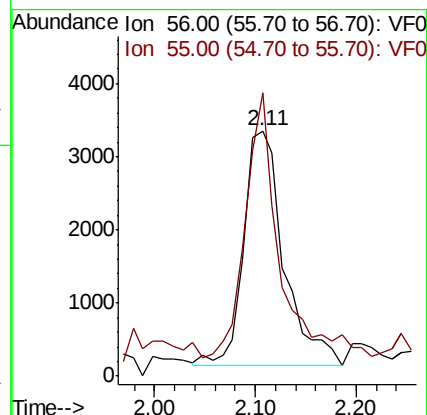
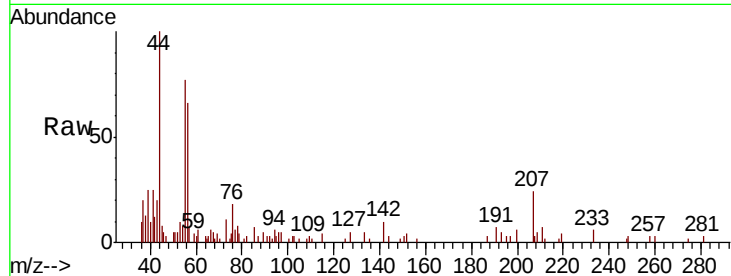
VF0511SBSD01

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

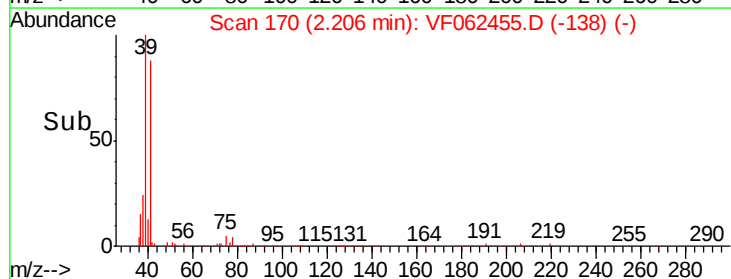
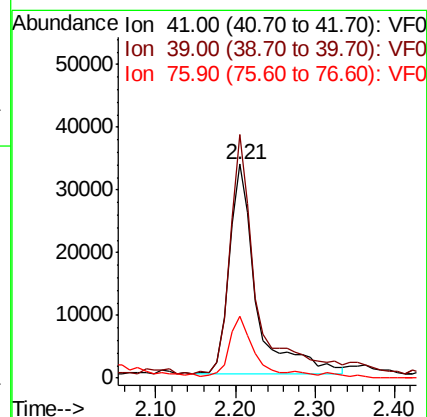
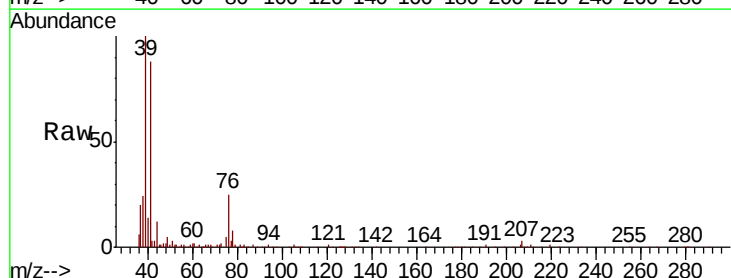
Tgt Ion: 41 Resp: 80505

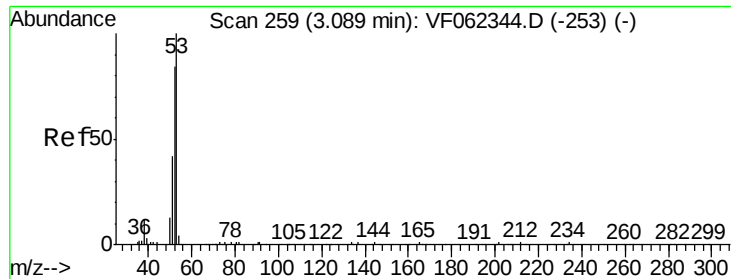
Ion Ratio Lower Upper

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 :

VF0511SBS01

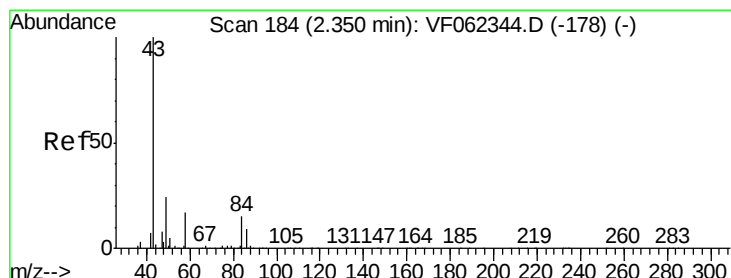
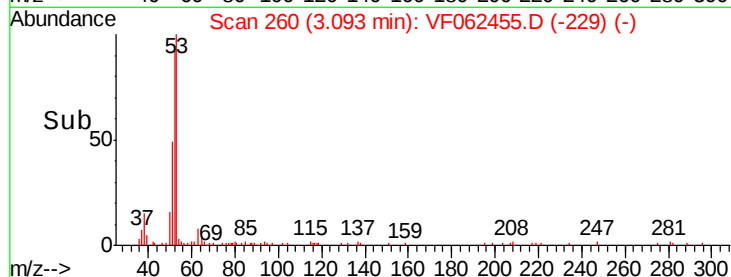
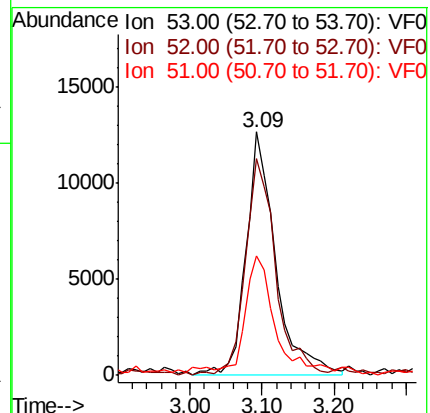
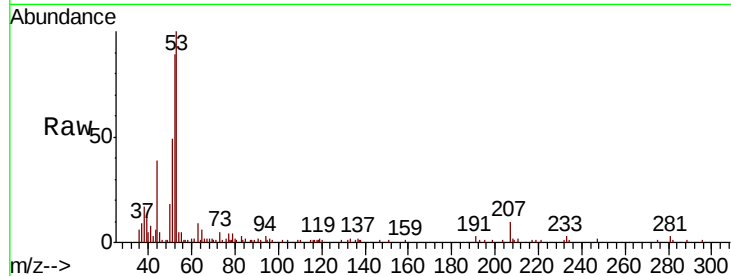
Tot Ion: 53 Resp: 36633

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

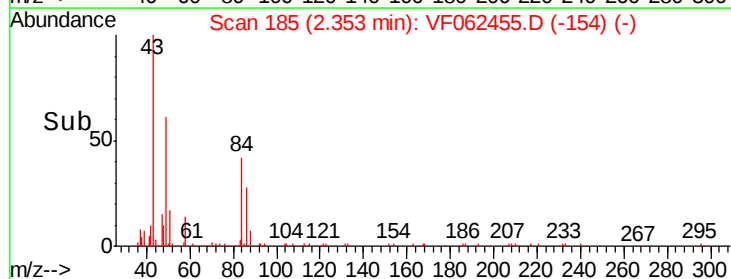
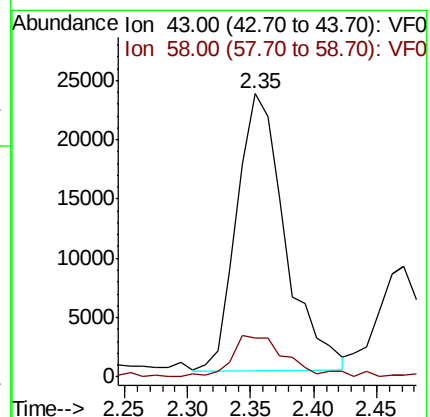
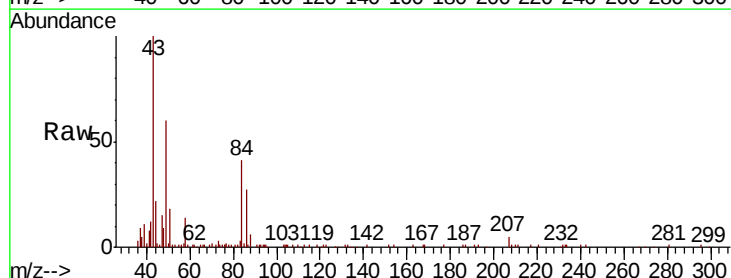
Acq: 11 May 2019 12:56

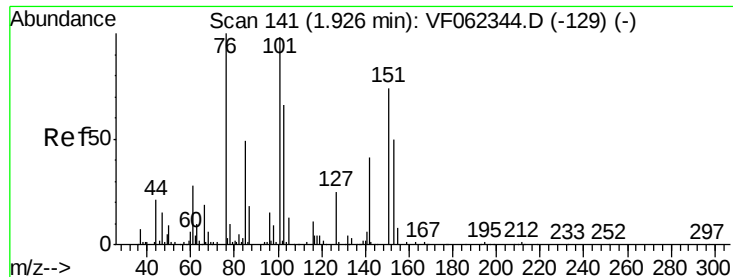
Tgt Ion: 43 Resp: 61989

Ion Ratio Lower Upper

43 100

58 13.1 13.1 19.7#

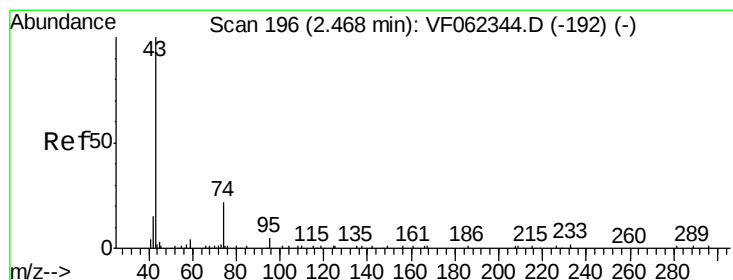
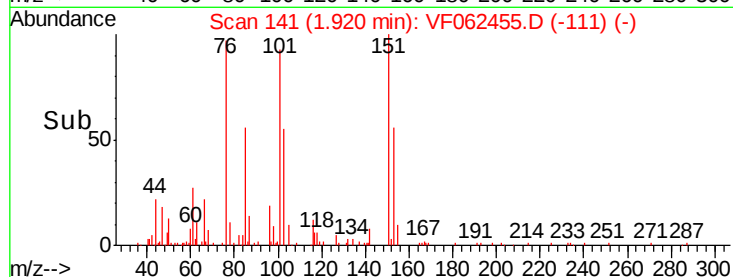
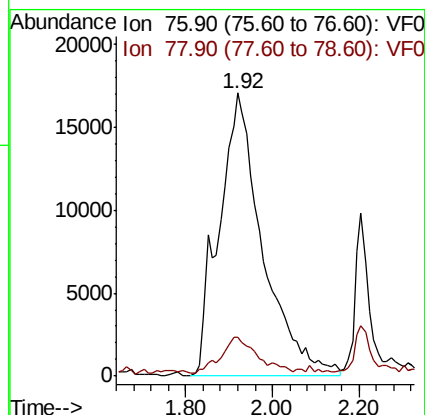
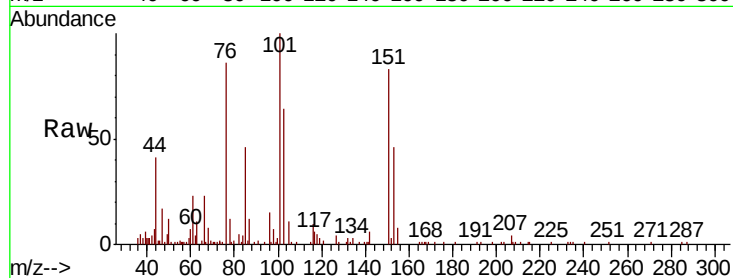




#17
Carbon Disulfide
Concen: 23.769 ug/l
RT: 1.92 min Scan# 141
Delta R.T. -0.01 min
Lab File: VF062455.D
Acq: 11 May 2019 12:56

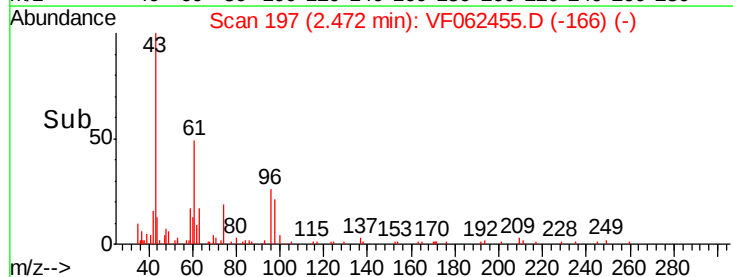
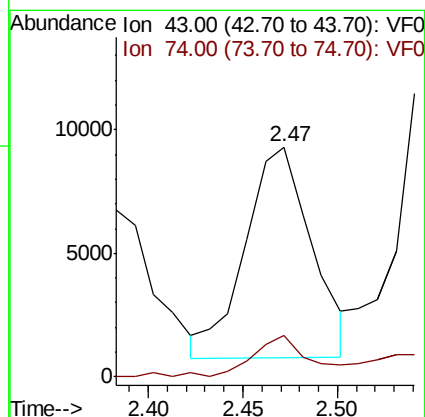
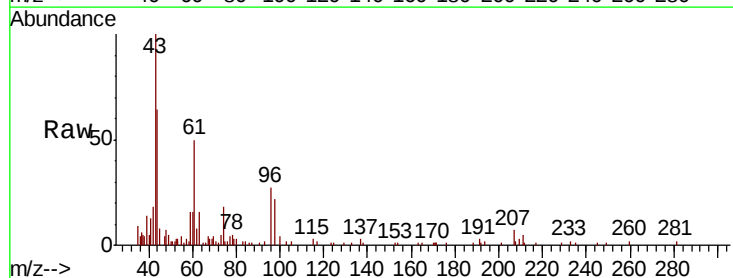
Instrument :
MSVOA_F
ClientSampleId :
VF0511SBSD01

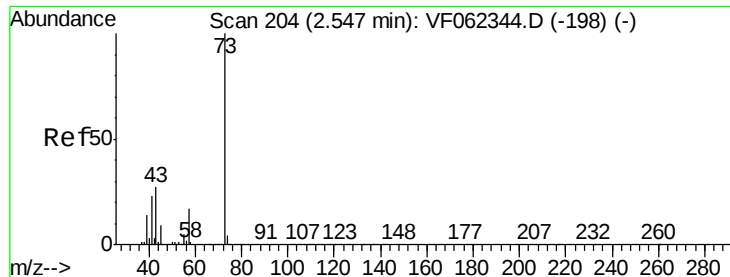
Tot Ion: 76 Resp: 119505
Ion Ratio Lower Upper
76 100
78 12.5 9.0 13.4



#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



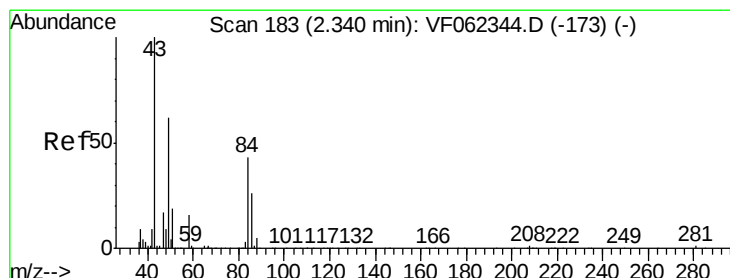
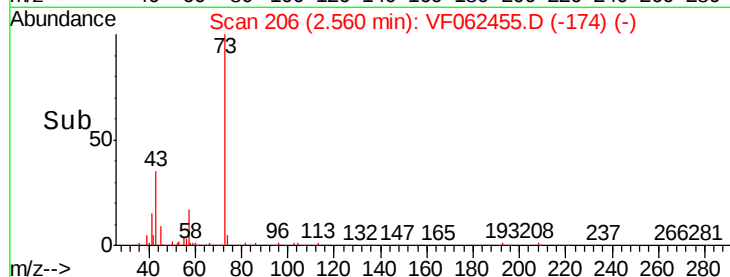
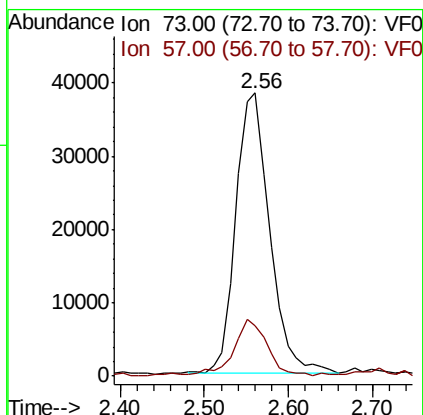
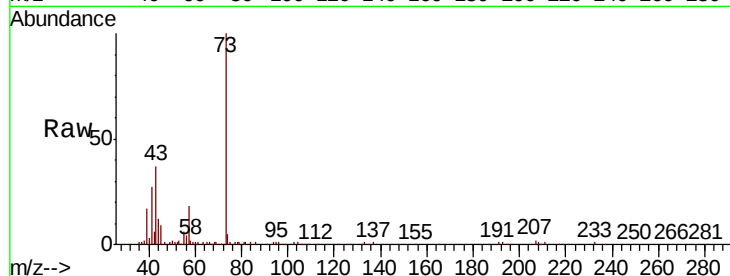


#19

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 :
 VF0511SBSD01

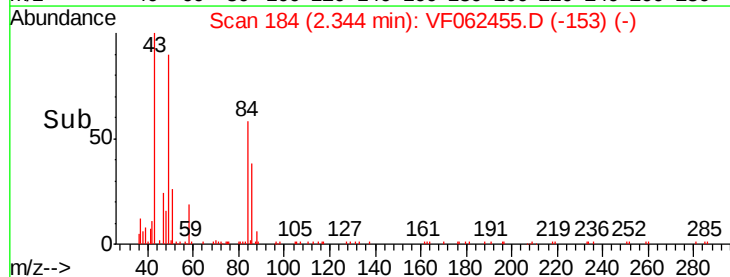
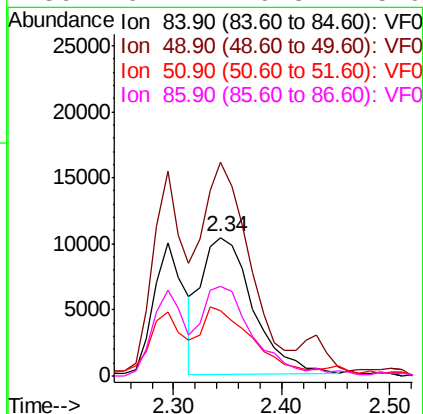
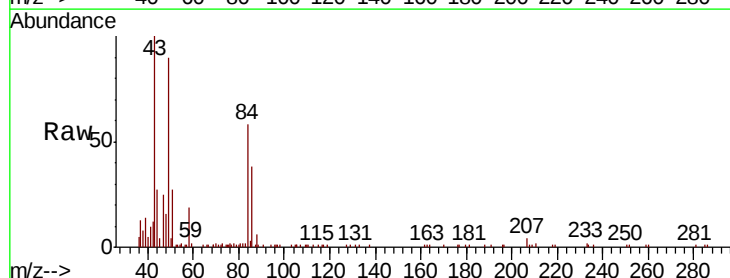
Tot Ion: 73 Resp: 107838
 Ion Ratio Lower Upper
 73 100
 57 17.5 13.7 20.5

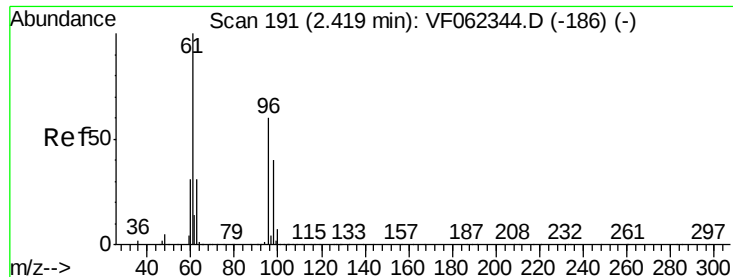


#20

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 :

VF0511SBS01

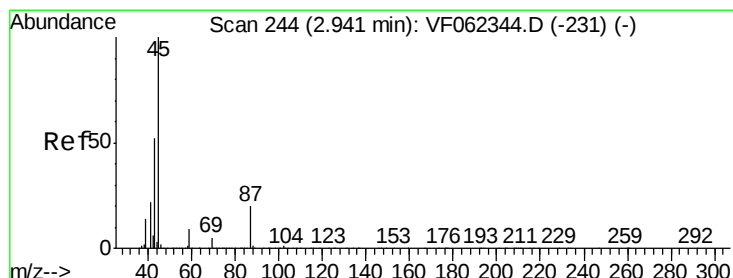
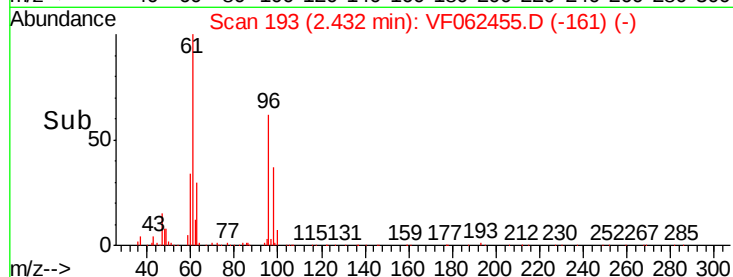
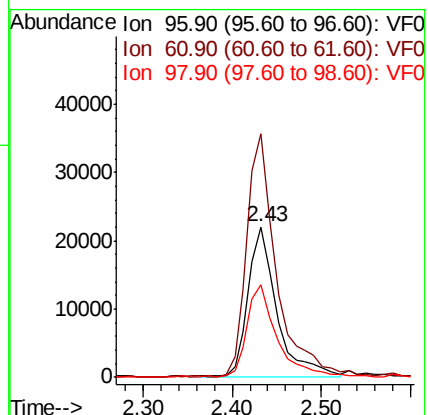
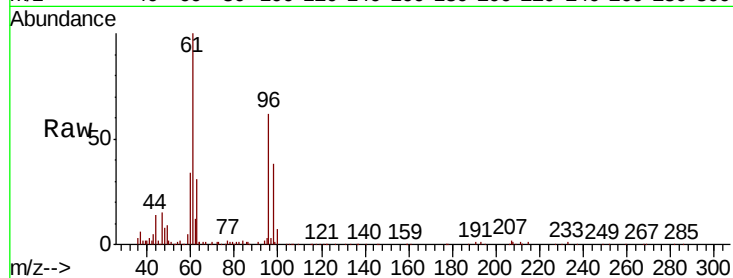
Tot Ion: 96 Resp: 48981

Ion Ratio Lower Upper

96 100

61 161.5 133.2 199.8

98 61.7 53.1 79.7



#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

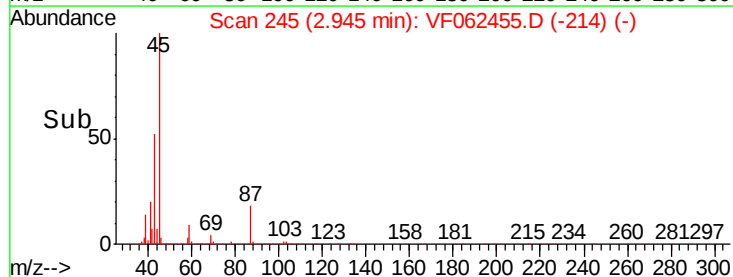
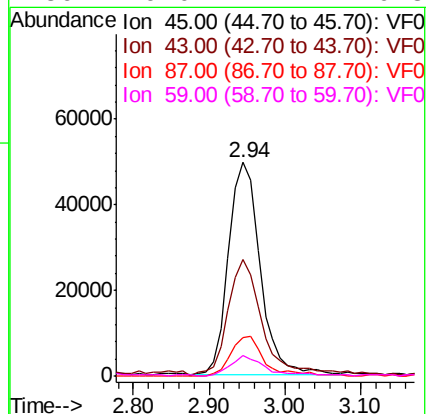
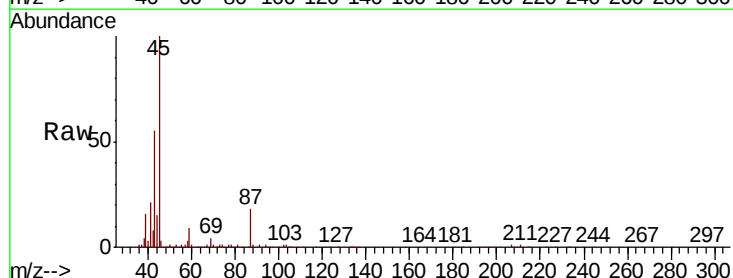
Ion Ratio Lower Upper

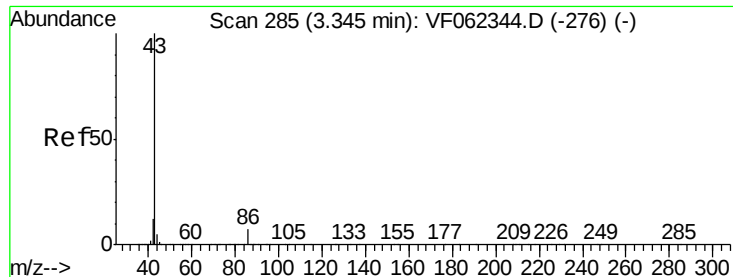
45 100

43 54.9 41.4 62.0

87 18.2 15.8 23.6

59 9.0 7.2 10.8





#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

ClientSampleId :

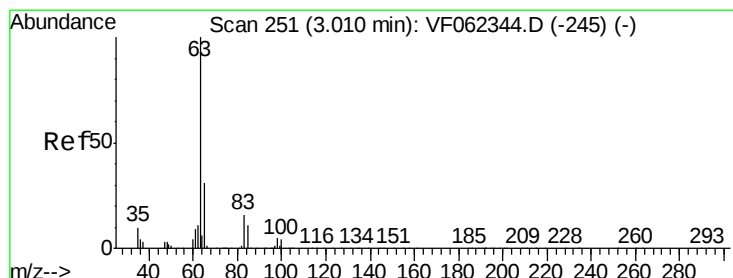
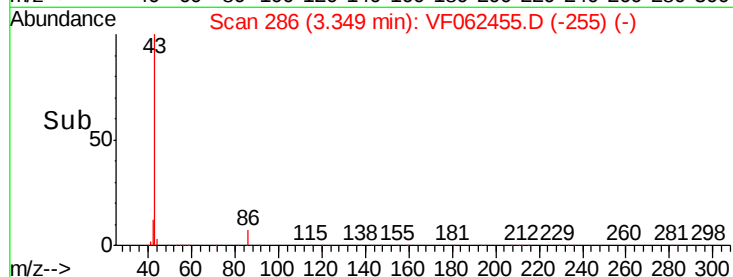
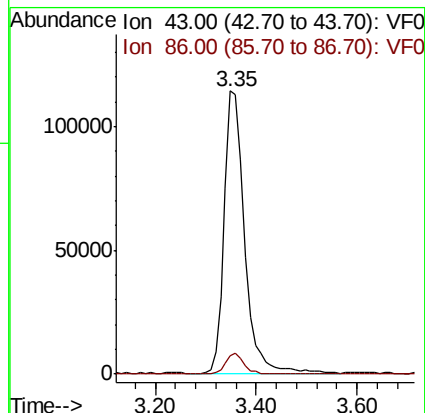
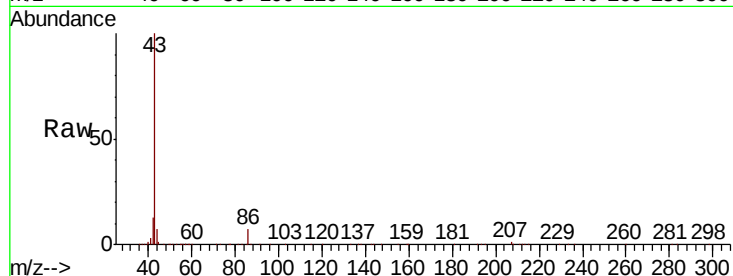
VF0511SBS01

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

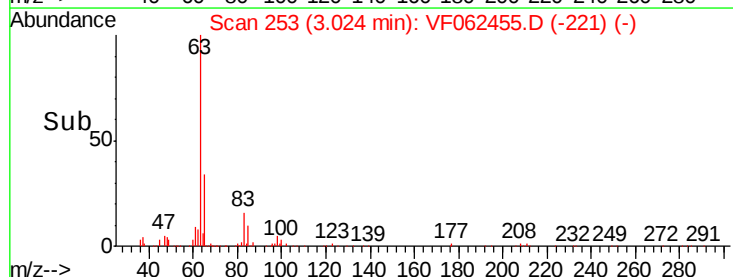
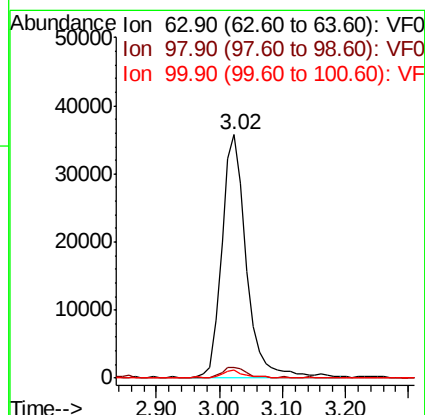
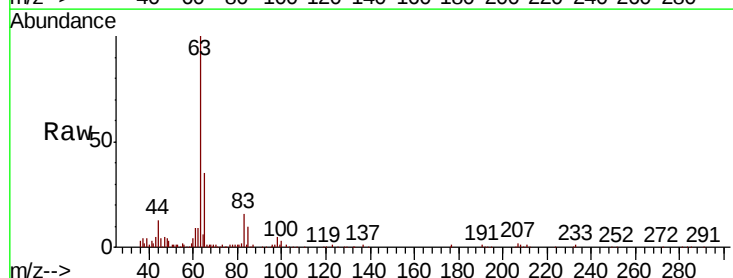
Tgt Ion: 63 Resp: 97620

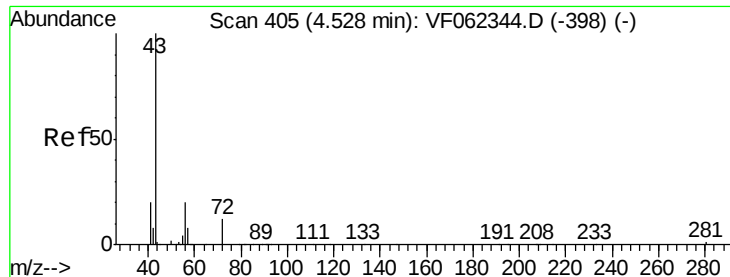
Ion Ratio Lower Upper

63 100

98 4.6 2.6 8.0

100 3.3 1.8 5.4

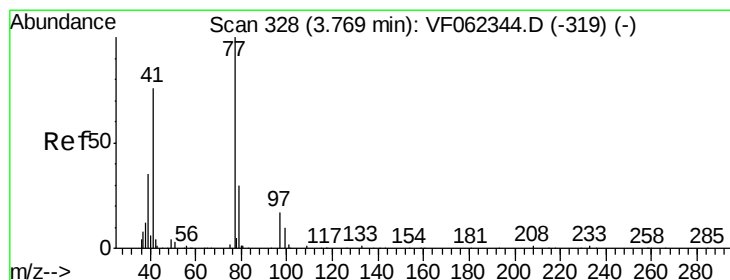
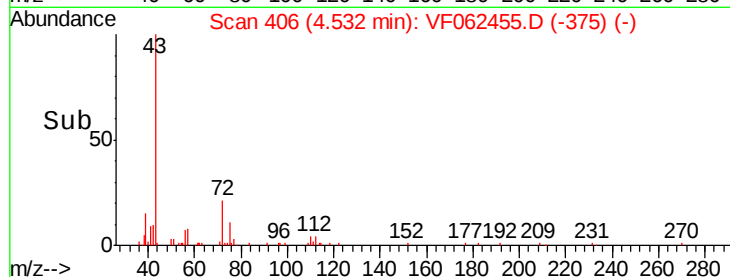
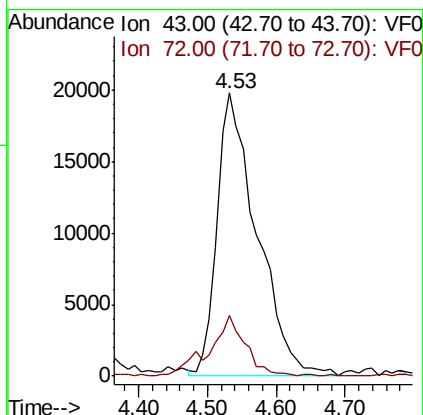
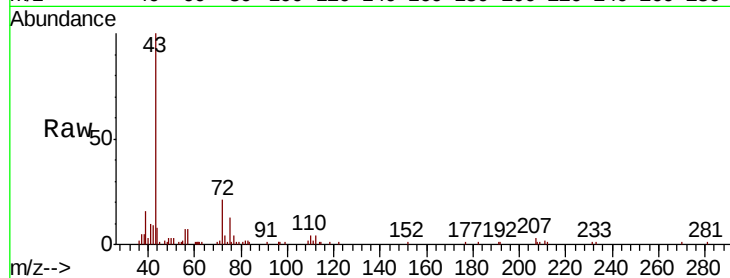




#25
2-Butanone
Concen: 110.307 ug/l
RT: 4.53 min Scan# 406
Delta R.T. 0.00 min
Lab File: VF062455.D
Acq: 11 May 2019 12:56

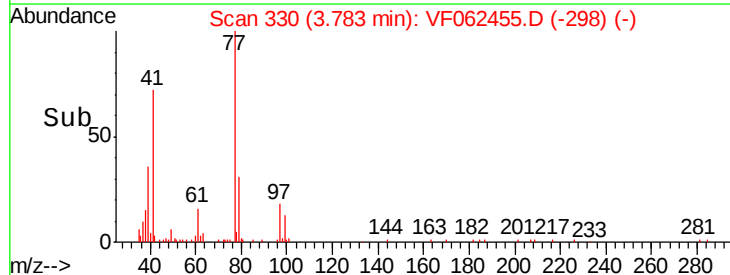
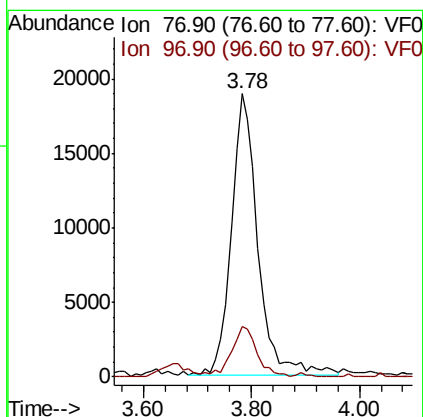
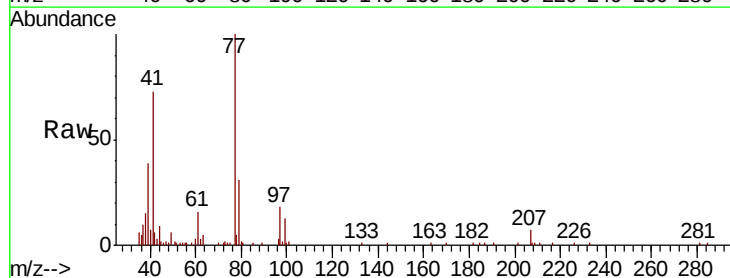
Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS01

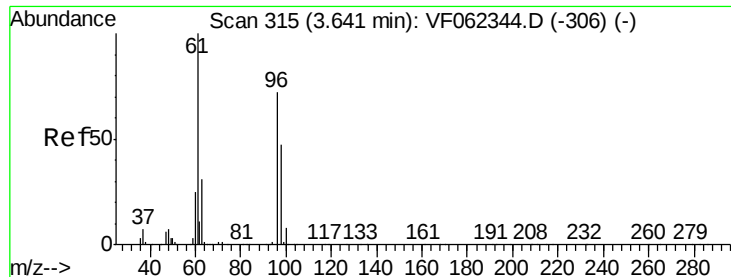
Tot Ion: 43 Resp: 79681
Ion Ratio Lower Upper
43 100
72 21.3 14.2 21.4



#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



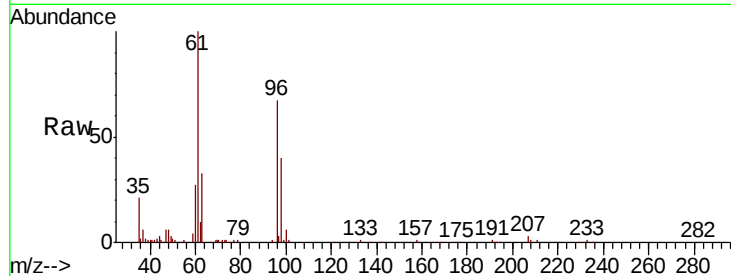


#27

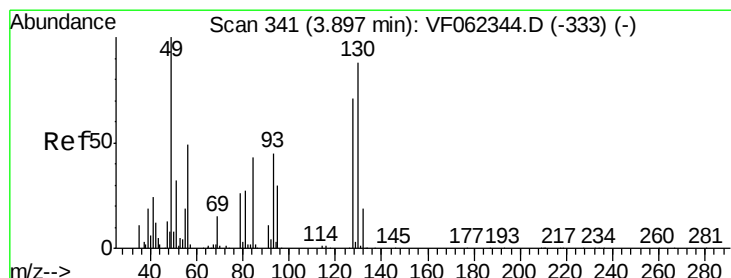
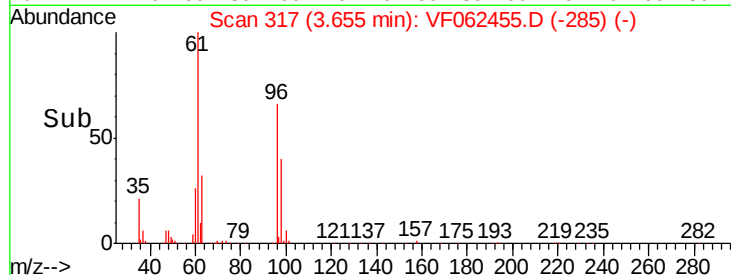
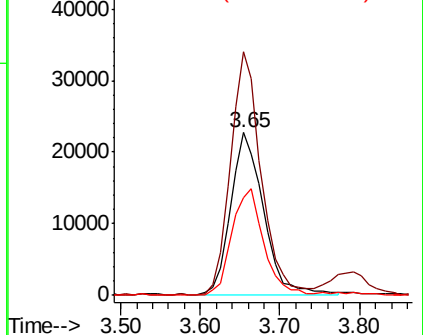
cis-1,2-Dichloroethene
 Concen: 23.958 ug/l
 RT: 3.65 min Scan# 317
 Delta R.T. 0.01 min
 Lab File: VF062455.D
 Acq: 11 May 2019 12:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBS01

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



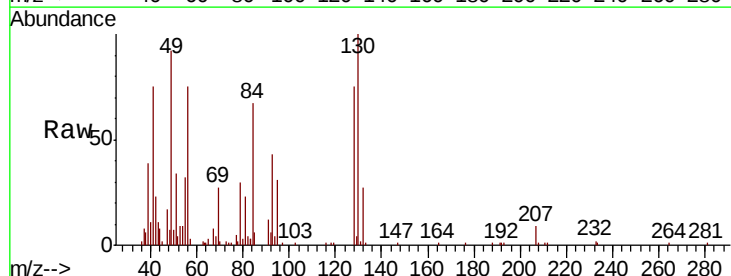
Abundance Ion 95.90 (95.60 to 96.60): VF0
 Ion 60.90 (60.60 to 61.60): VF0
 Ion 97.90 (97.60 to 98.60): VF0



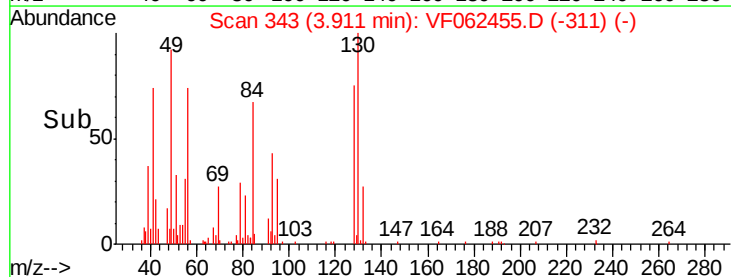
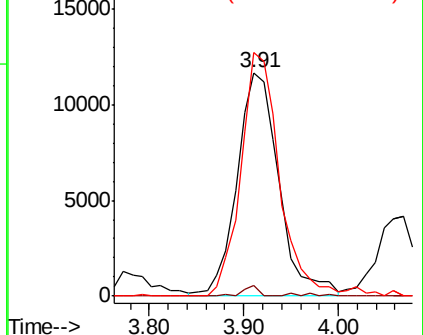
#28

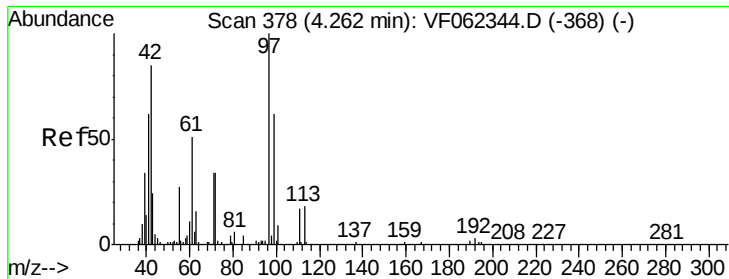
Bromochloromethane
 Concen: 20.622 ug/l
 RT: 3.91 min Scan# 343
 Delta R.T. 0.01 min
 Lab File: VF062455.D
 Acq: 11 May 2019 12:56

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

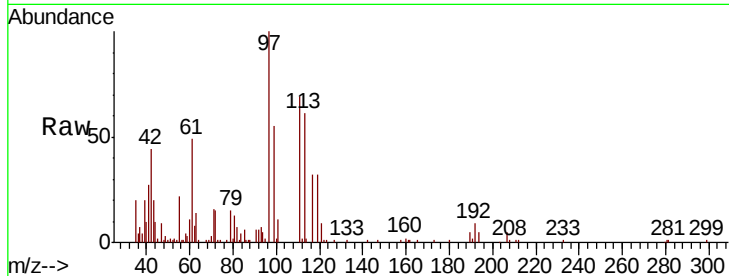




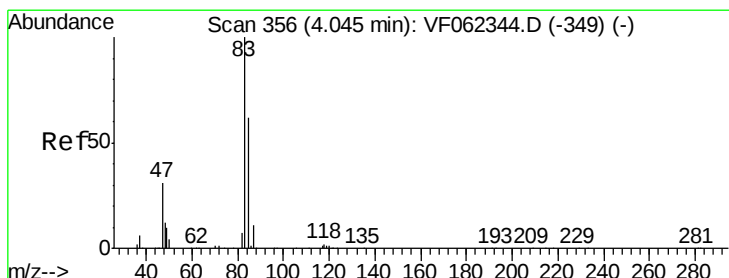
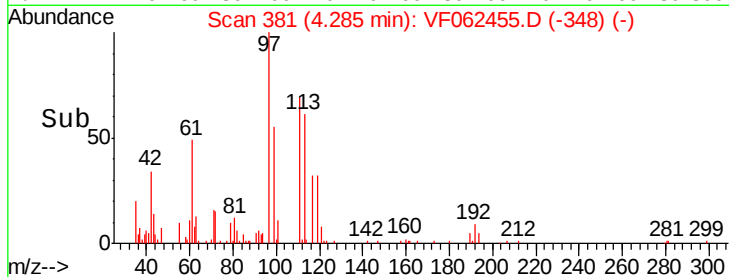
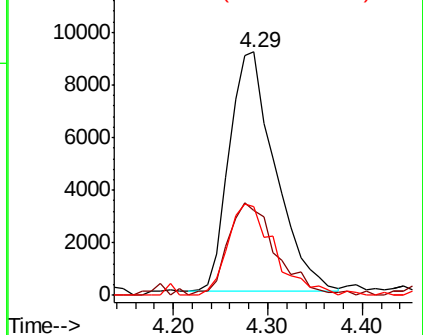
#29
Tetrahydrofuran
Concen: 92.830 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.02 min
Lab File: VF062455.D
Acq: 11 May 2019 12:56

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS01

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

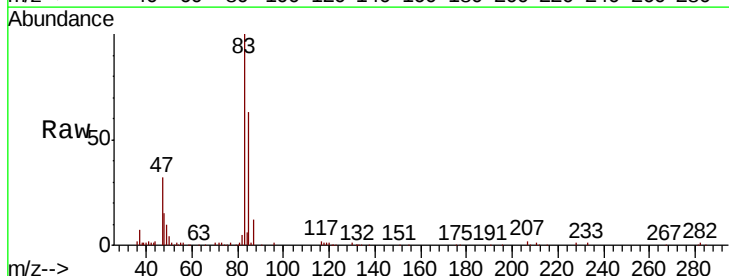


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

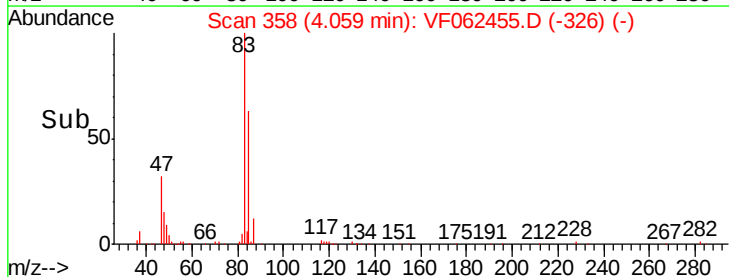
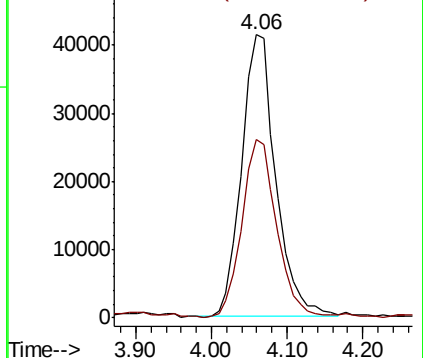


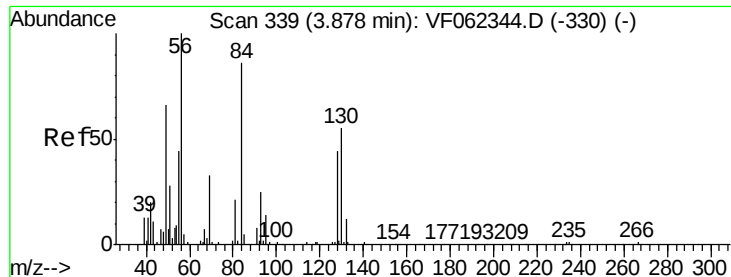
#30
Chloroform
Concen: 24.817 ug/l
RT: 4.06 min Scan# 358
Delta R.T. 0.01 min
Lab File: VF062455.D
Acq: 11 May 2019 12:56

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

Cvclohexane

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 :
VF0511SBS01

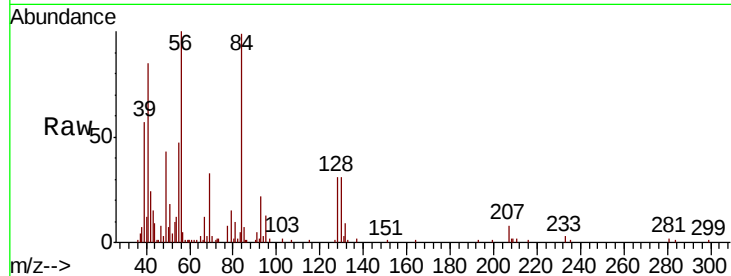
Tot Ion: 56 Resp: 70186

Ion Ratio Lower Upper

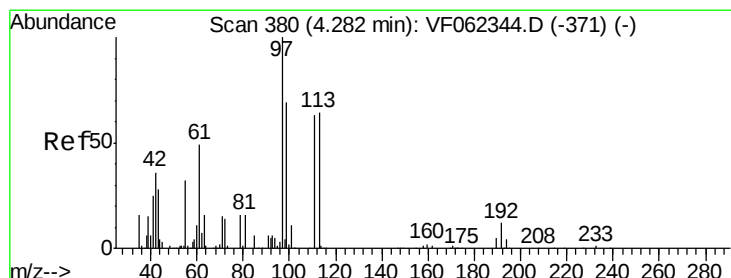
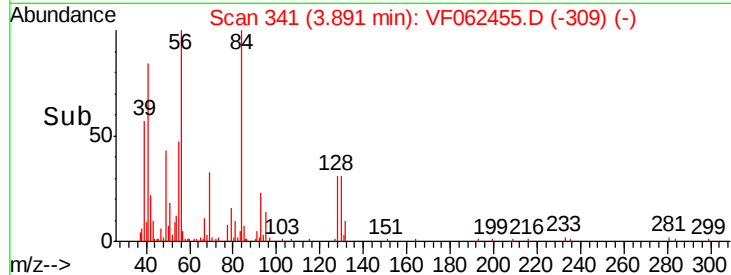
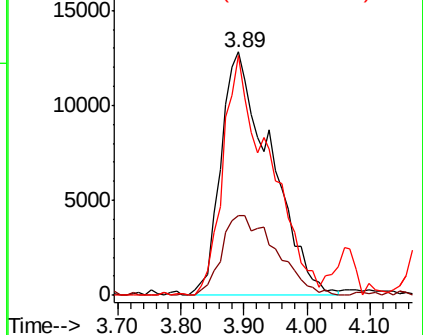
56 100

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

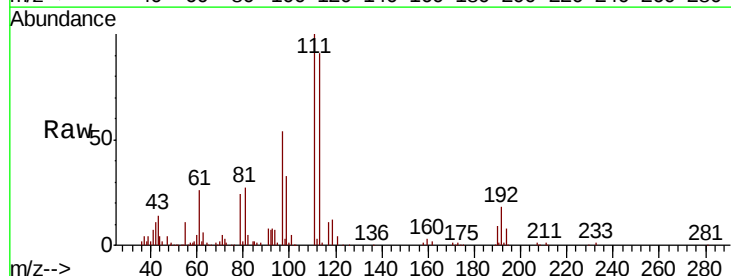
Tgt Ion: 97 Resp: 114190

Ion Ratio Lower Upper

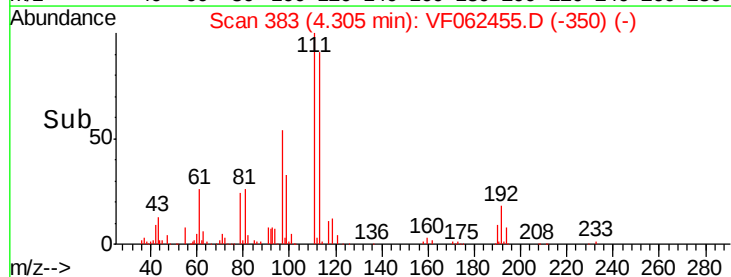
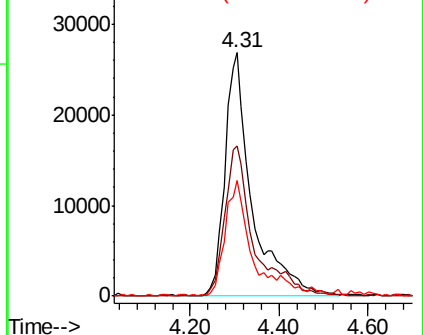
97 100

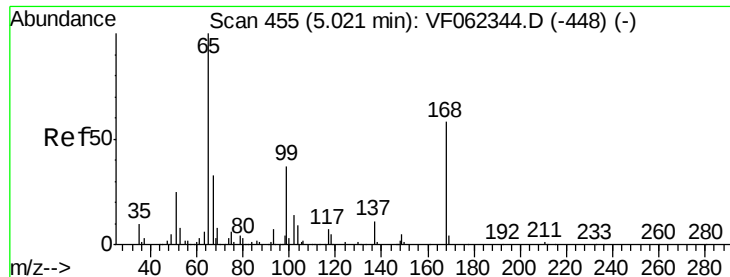
99 65.2 52.6 78.8

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

ClientSampleId :

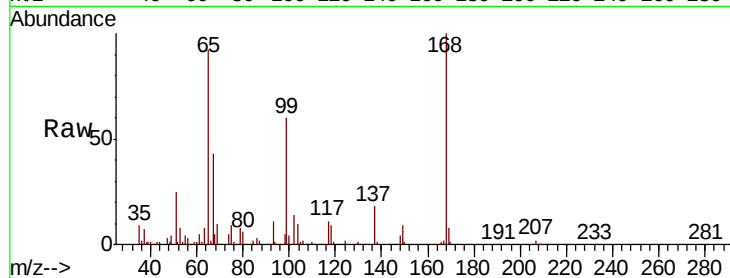
VF0511SBS01

Tot Ion: 65 Resp: 140680

Ion Ratio Lower Upper

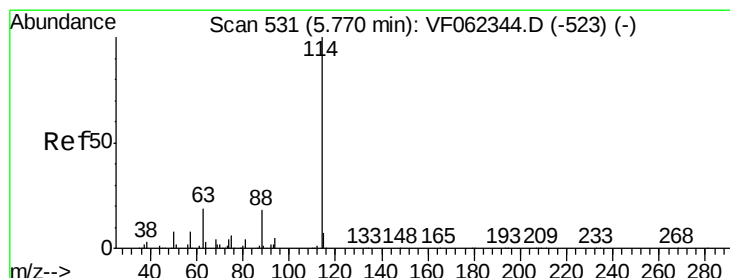
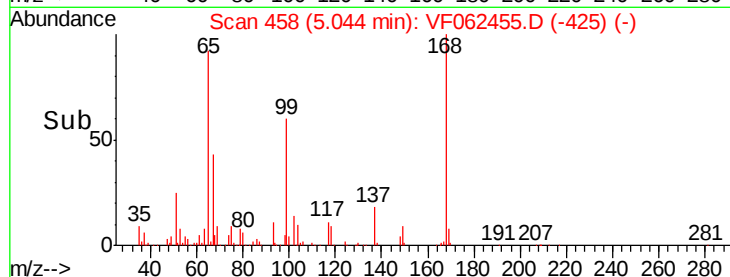
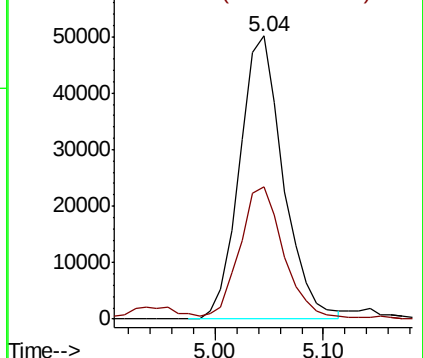
65 100

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

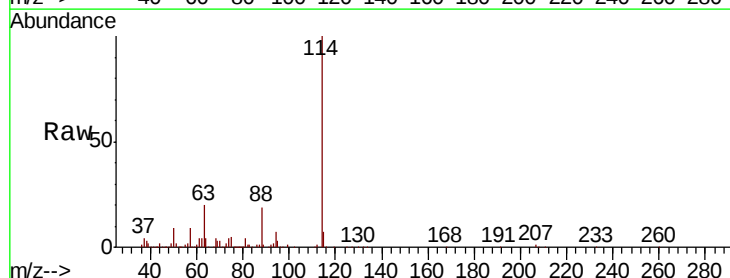
Tgt Ion: 114 Resp: 424242

Ion Ratio Lower Upper

114 100

63 20.5 0.0 37.4

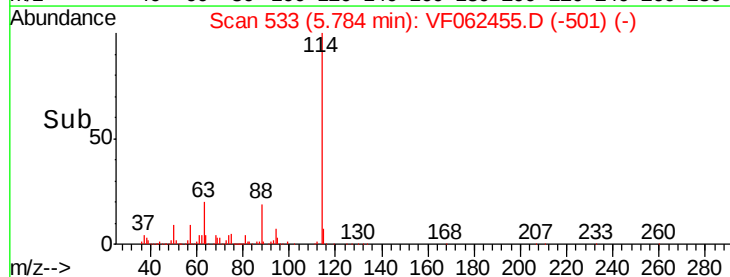
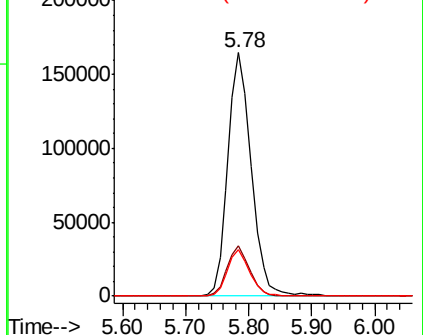
88 19.1 0.0 36.4

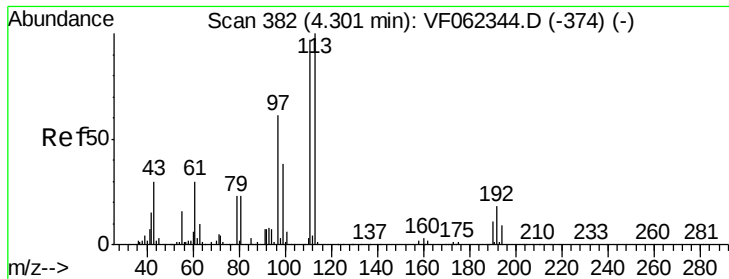


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0

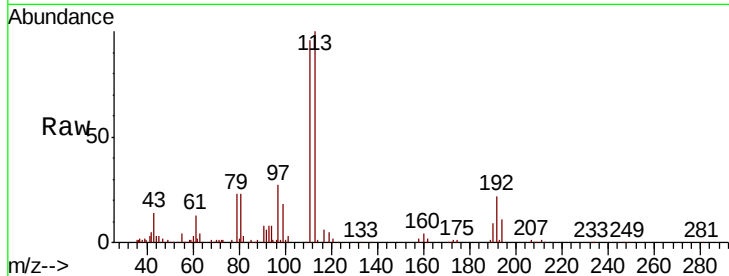




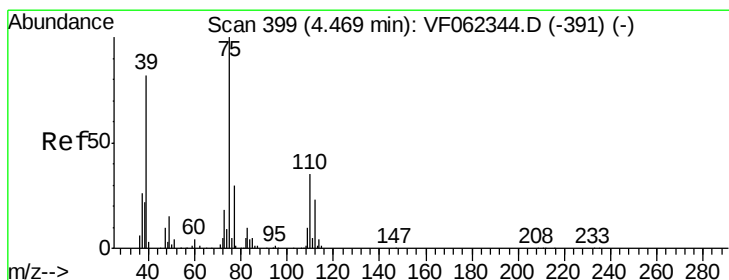
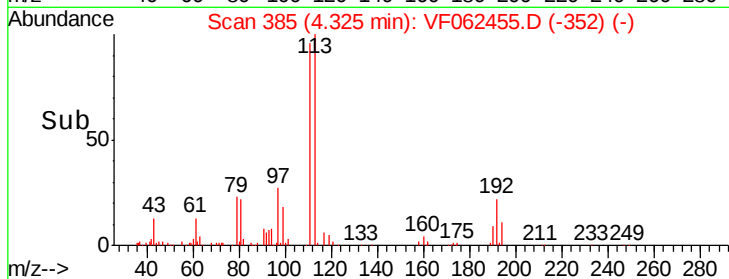
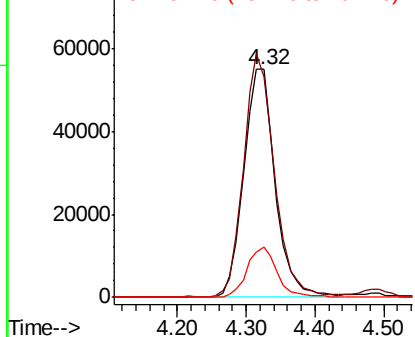
#35
 Dibromofluoromethane
 Concen: 51.671 ug/l
 RT: 4.32 min Scan# 385
 Delta R.T. 0.02 min
 Lab File: VF062455.D
 Acq: 11 May 2019 12:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBS01

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

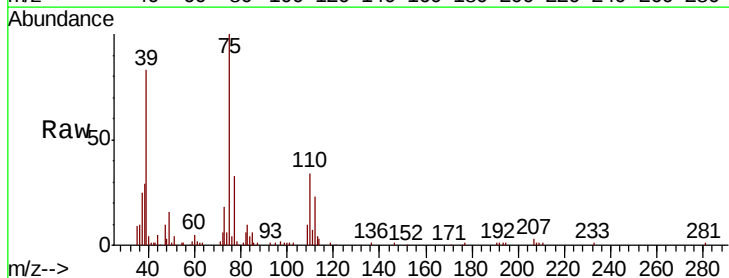


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

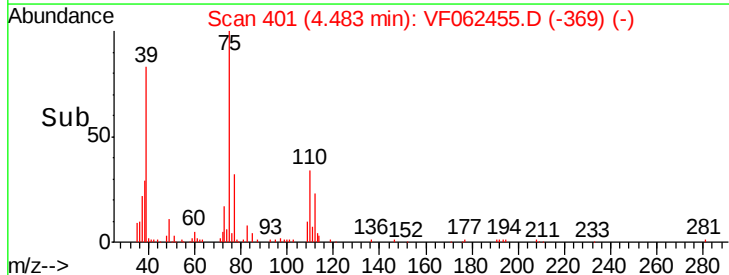
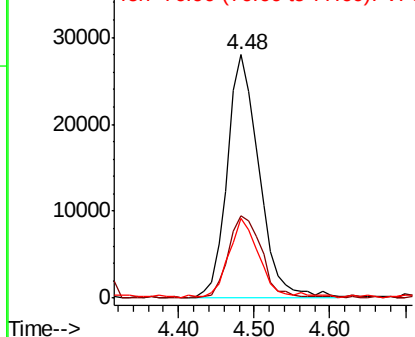


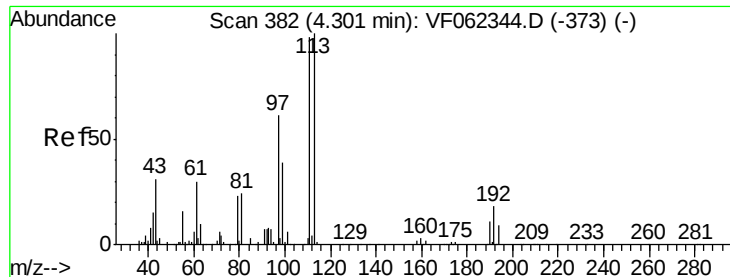
#36
 1,1-Dichloropropene
 Concen: 22.521 ug/l
 RT: 4.48 min Scan# 401
 Delta R.T. 0.01 min
 Lab File: VF062455.D
 Acq: 11 May 2019 12:56

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

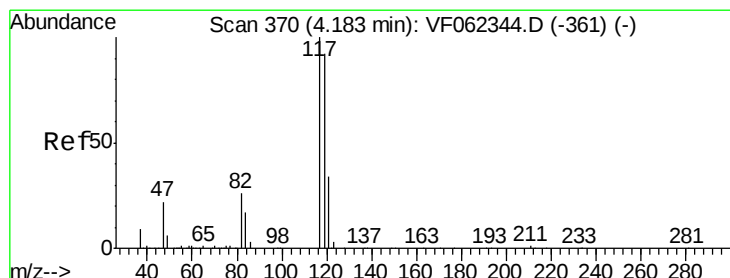
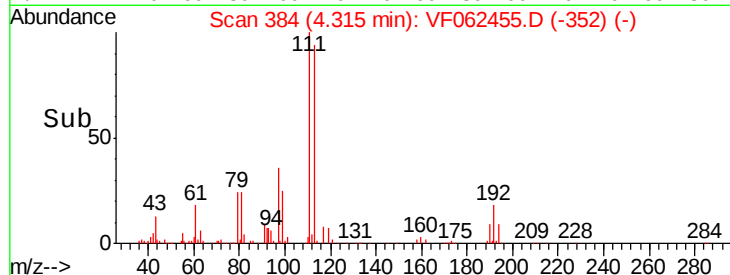
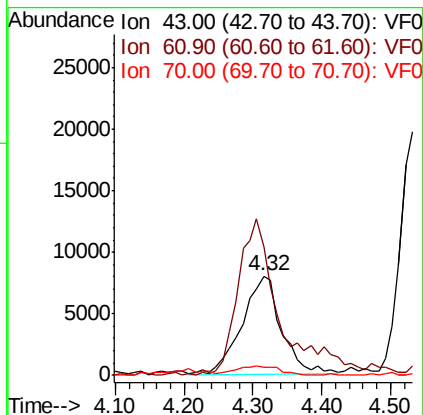
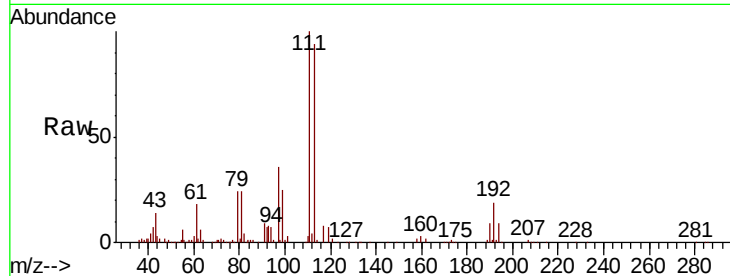




#37
Ethyl Acetate
Concen: 18.959 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.01 min
Lab File: VF062455.D
Acq: 11 May 2019 12:56

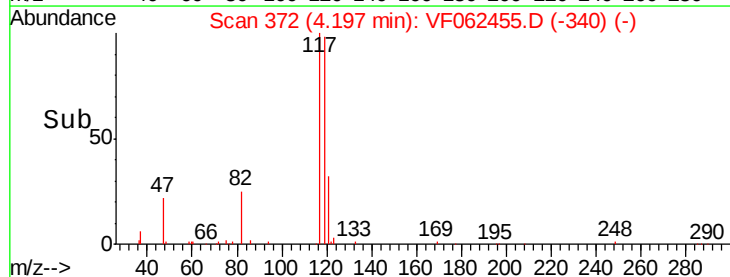
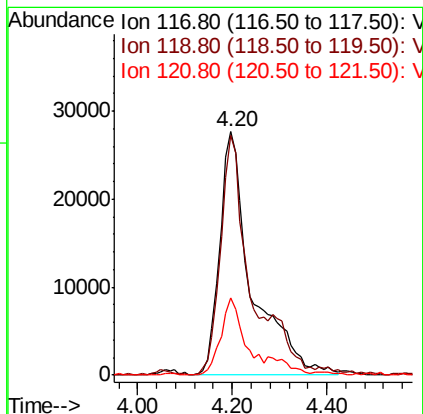
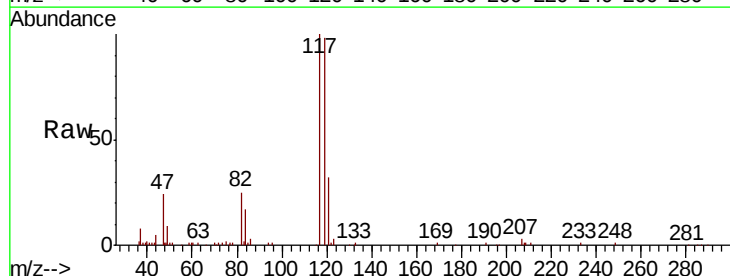
Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS01

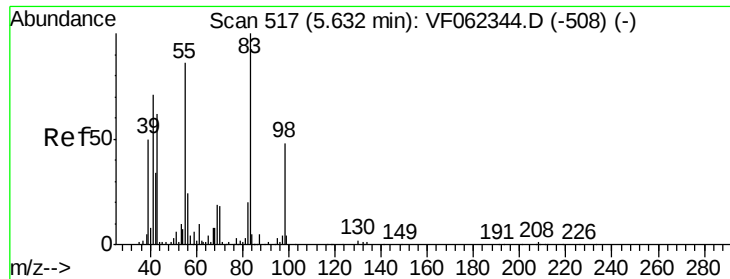
Tot Ion: 43 Resp: 31548
Ion Ratio Lower Upper
43 100
61 171.2 0.0 0.0#
70 10.6 8.2 12.2



#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

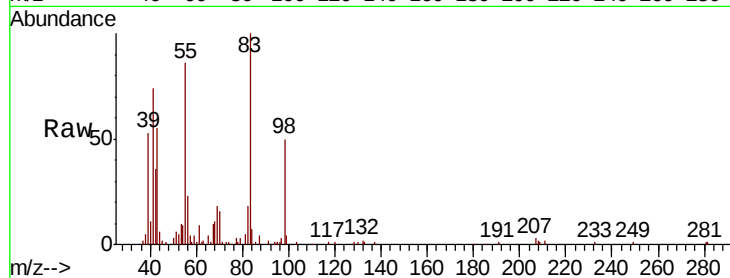




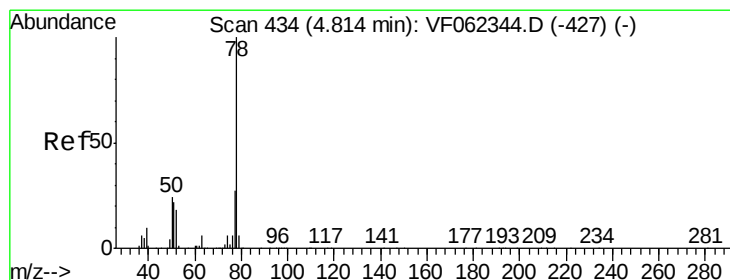
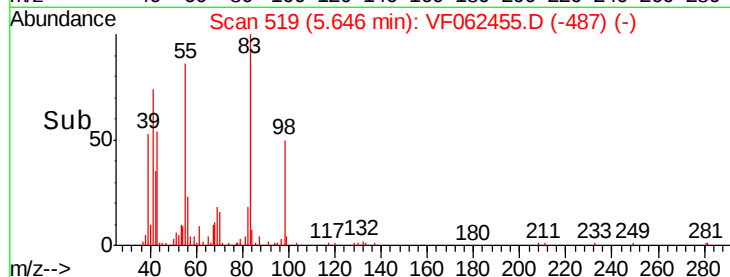
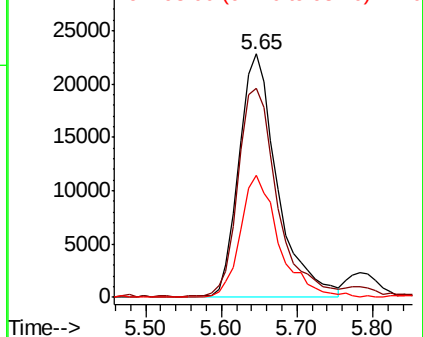
#39
Methvlcvclohexane
Concen: 22.015 ug/l
RT: 5.65 min Scan# 519
Delta R.T. 0.01 min
Lab File: VF062455.D
Acq: 11 May 2019 12:56

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS01

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

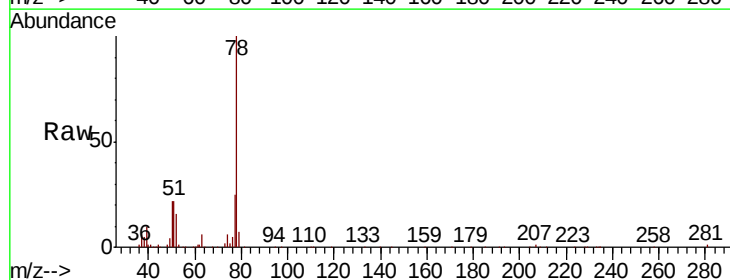


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

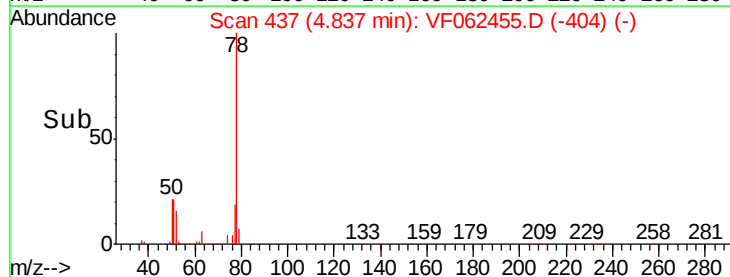
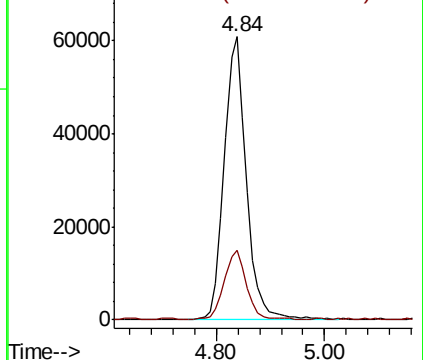


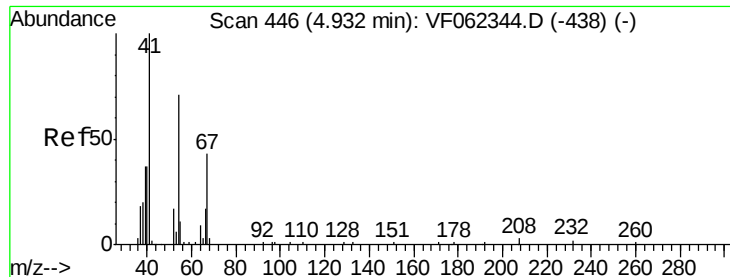
#40
Benzene
Concen: 21.601 ug/l
RT: 4.84 min Scan# 437
Delta R.T. 0.02 min
Lab File: VF062455.D
Acq: 11 May 2019 12:56

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 :

VF0511SBS01

Tot Ion: 41 Resp: 14528

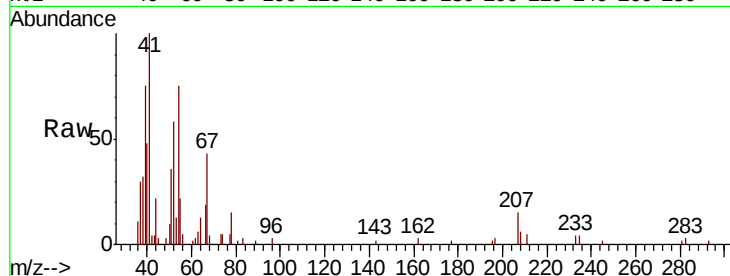
Ion Ratio Lower Upper

41 100

39 83.1 54.3 81.5#

67 48.3 37.8 56.8

52 76.9 58.2 87.4

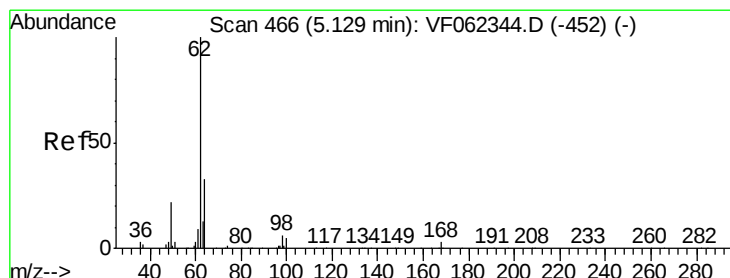
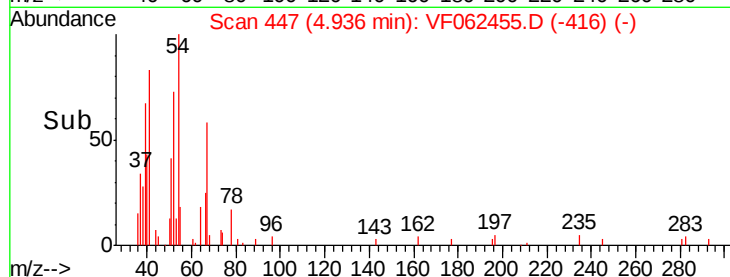
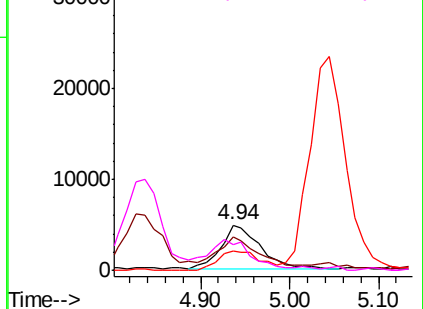


Abundance Ion 41.00 (40.70 to 41.70): VF0

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

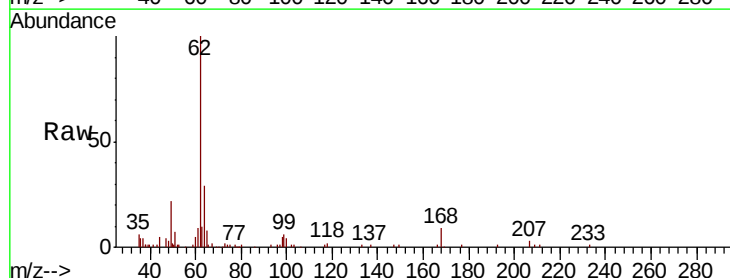
Acq: 11 May 2019 12:56

Tgt Ion: 62 Resp: 70878

Ion Ratio Lower Upper

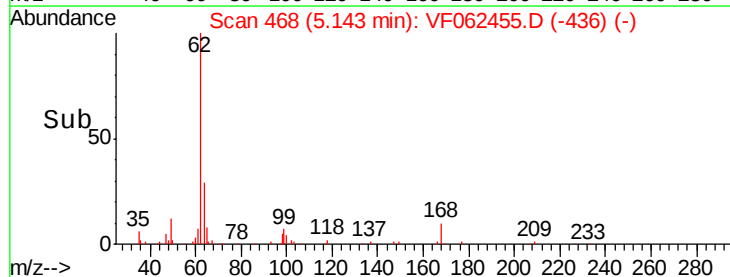
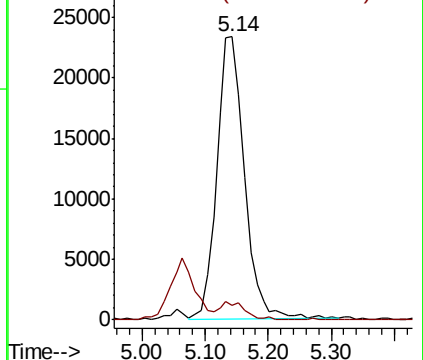
62 100

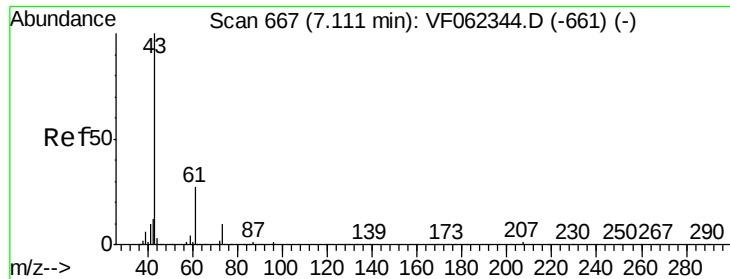
98 5.7 0.0 12.4



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 :

VF0511SBS01

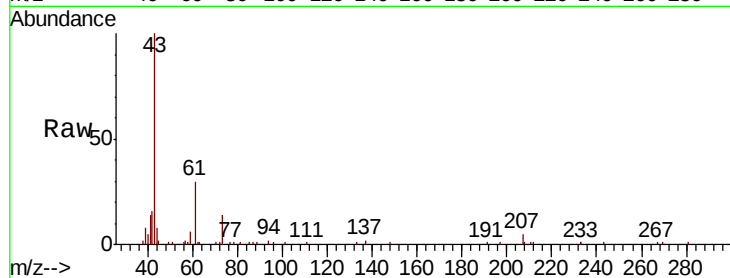
Tot Ion: 43 Resp: 32090

Ion Ratio Lower Upper

43 100

61 26.3 22.8 34.2

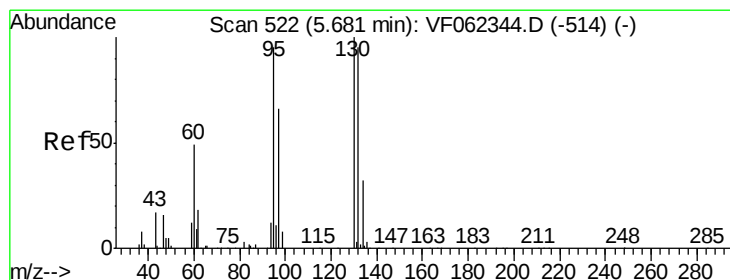
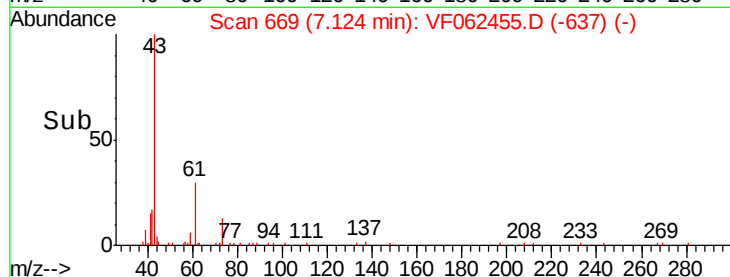
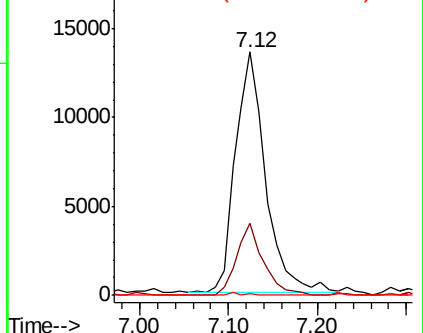
87 0.6 0.6 1.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 23.113 ug/l

RT: 5.70 min Scan# 524

Delta R.T. 0.01 min

Lab File: VF062455.D

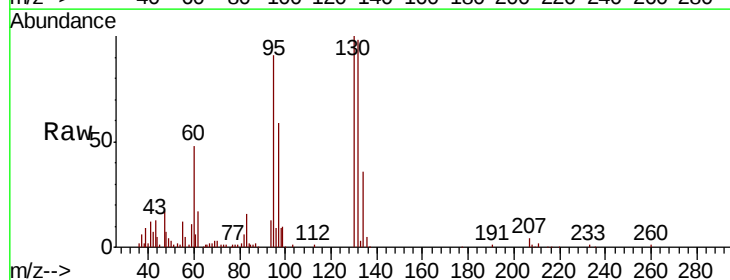
Acq: 11 May 2019 12:56

Tgt Ion:130 Resp: 68139

Ion Ratio Lower Upper

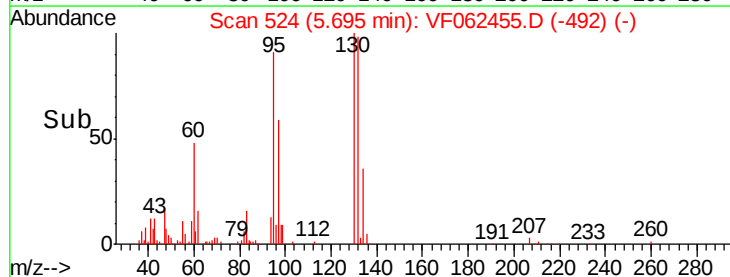
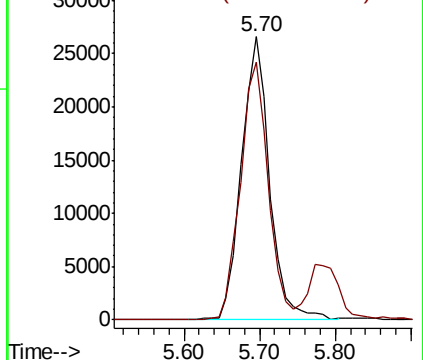
130 100

95 90.9 0.0 189.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VF0





#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 :

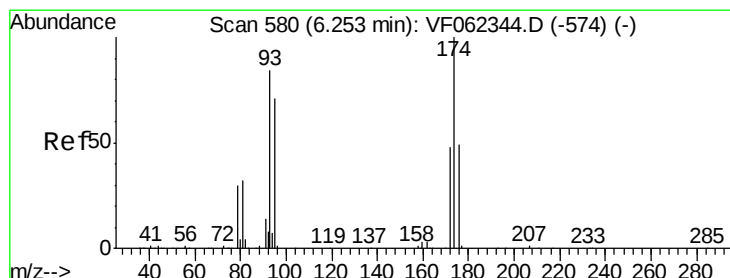
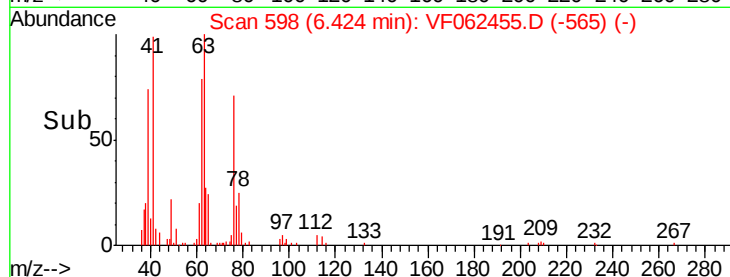
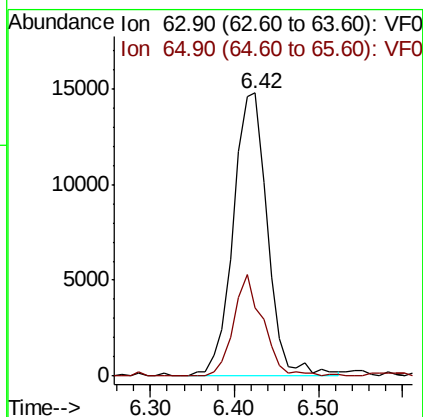
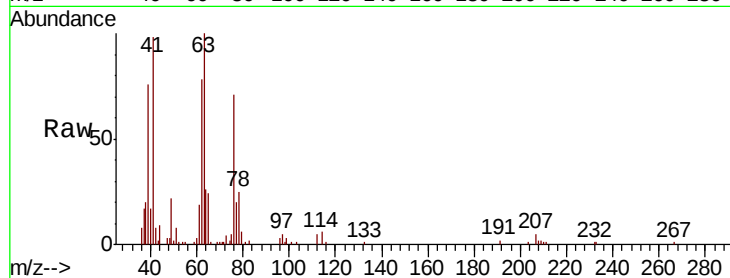
VF0511SBS01

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

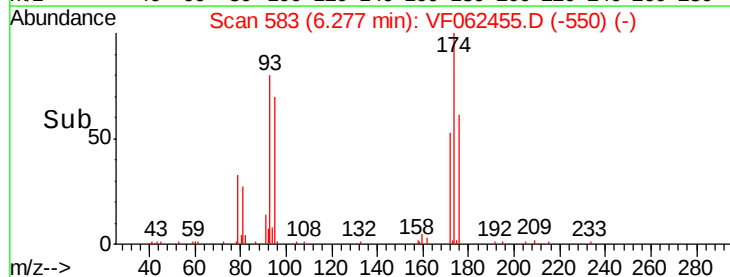
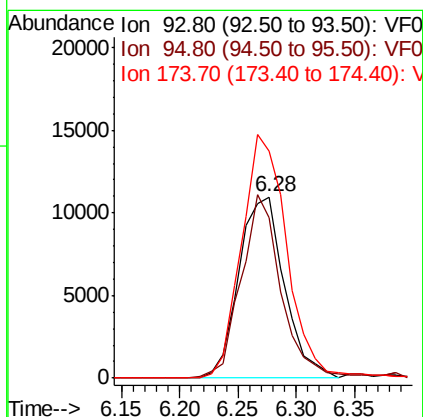
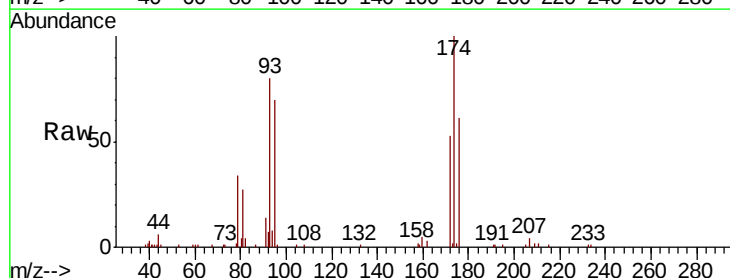
Tgt Ion: 93 Resp: 29716

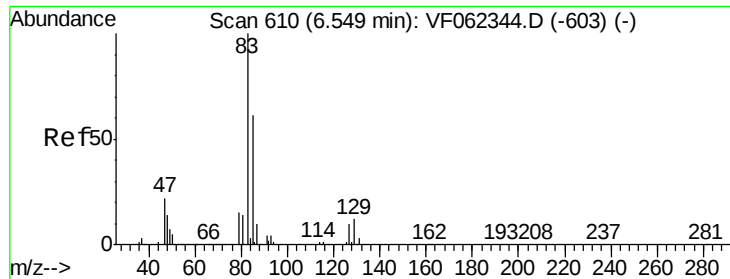
Ion Ratio Lower Upper

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 :

VF0511SBS01

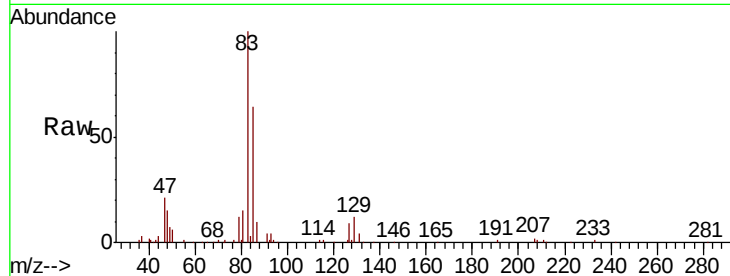
Tot Ion: 83 Resp: 81367

Ion Ratio Lower Upper

83 100

85 64.3 49.1 73.7

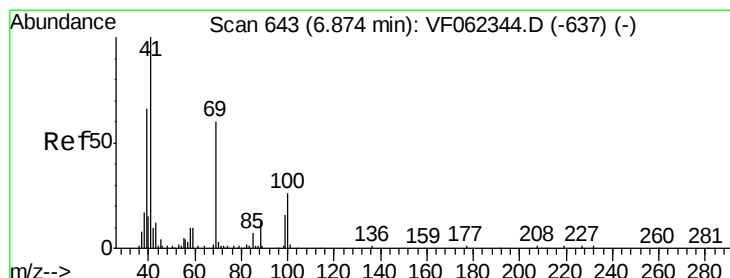
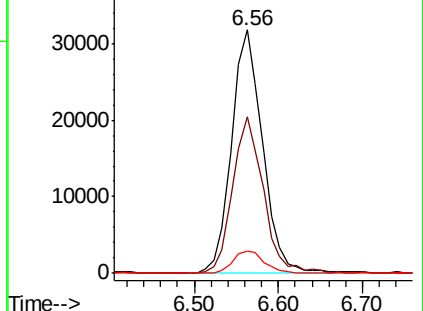
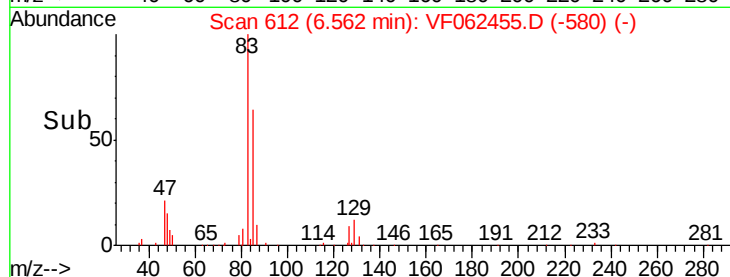
127 9.3 7.8 11.8



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 126.80 (126.50 to 127.50): V



#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

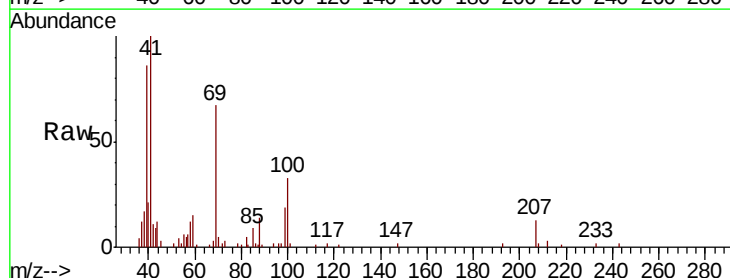
Tgt Ion: 41 Resp: 22232

Ion Ratio Lower Upper

41 100

69 59.3 48.6 72.8

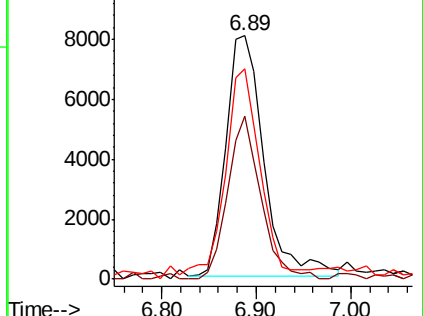
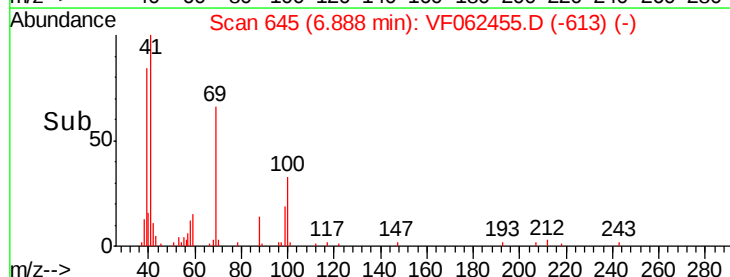
39 83.0 56.1 84.1

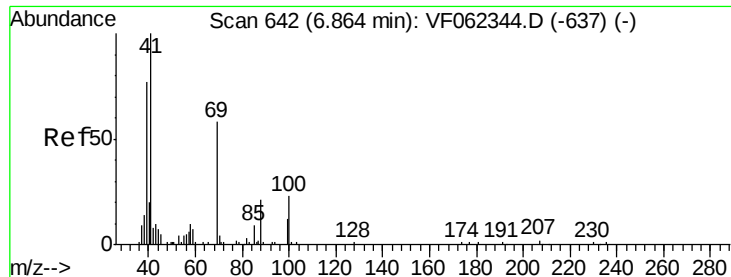


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 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 :

VF0511SBS01

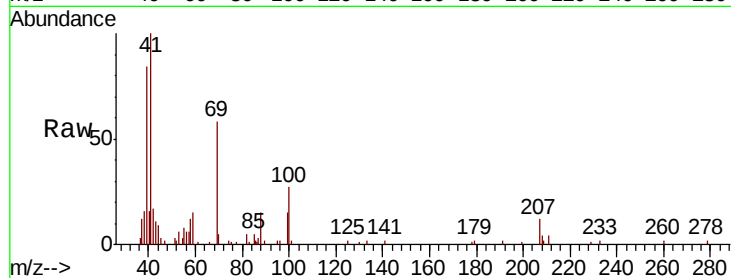
Tot Ion: 88 Resp: 3410

Ion Ratio Lower Upper

88 100

43 60.4 55.6 83.4

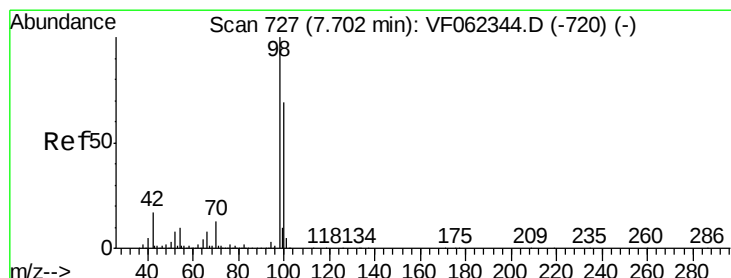
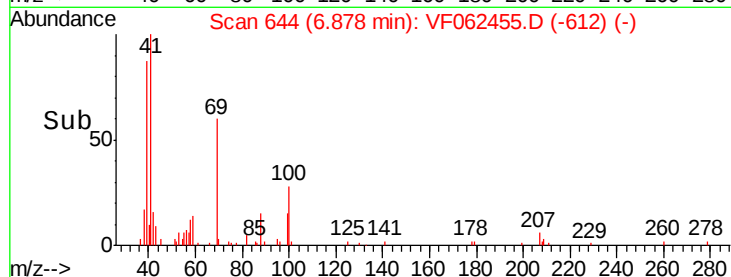
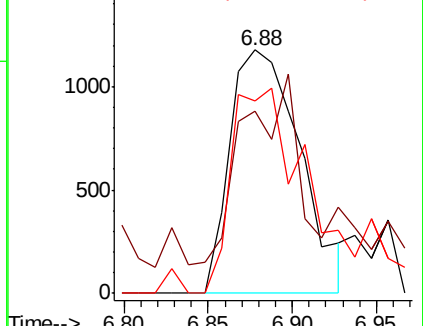
58 89.0 52.8 79.2#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 48.613 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.01 min

Lab File: VF062455.D

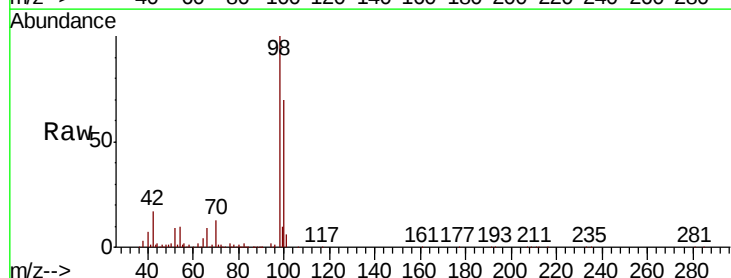
Acq: 11 May 2019 12:56

Tgt Ion: 98 Resp: 397726

Ion Ratio Lower Upper

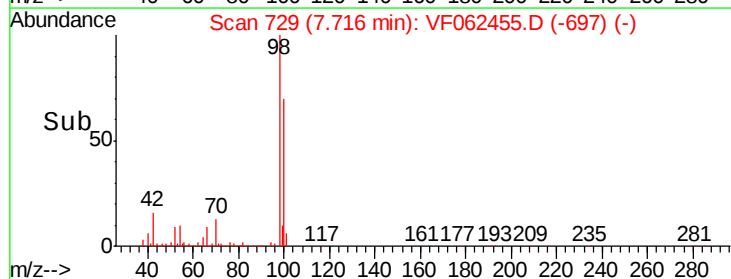
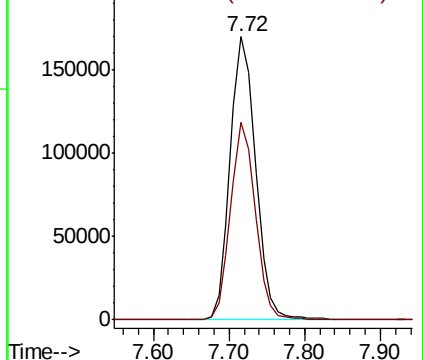
98 100

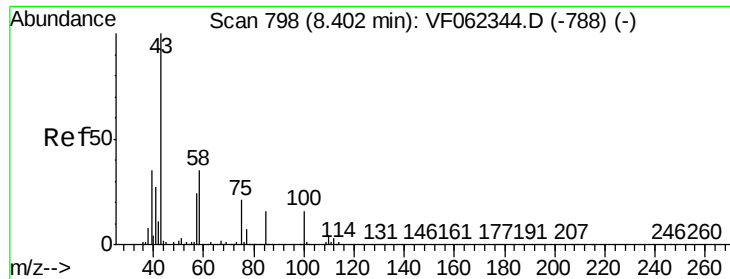
100 67.7 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#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

ClientSampleId :

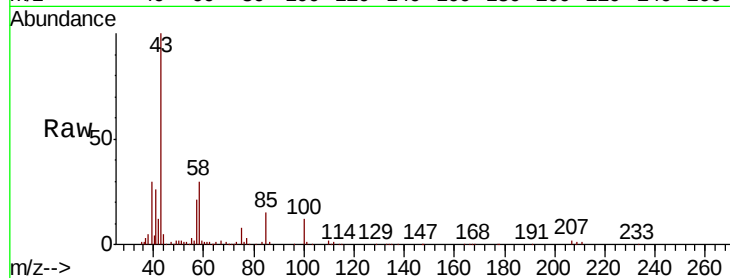
VF0511SBSD01

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

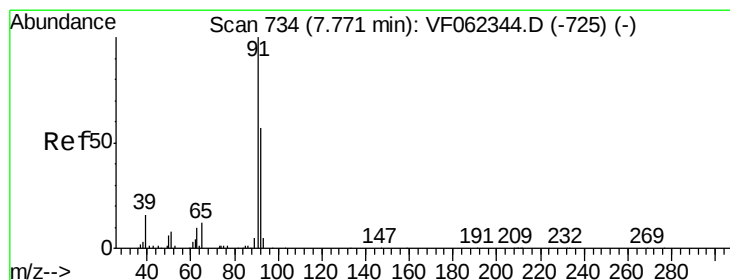
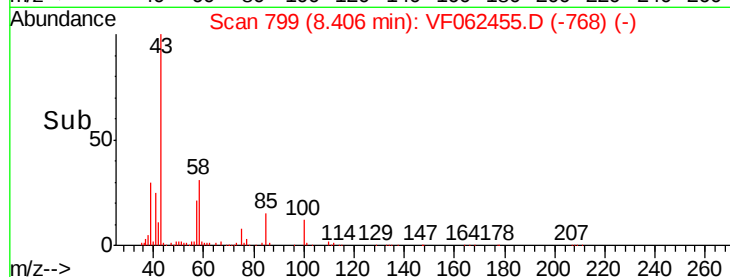
20000

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

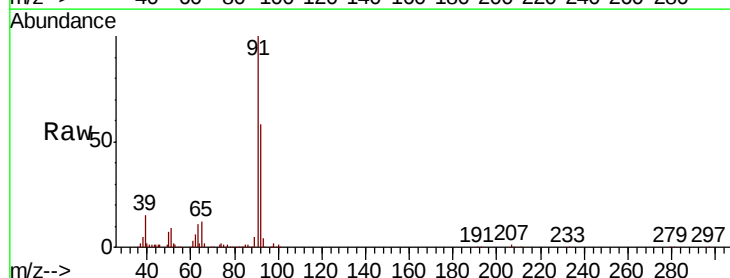
Acq: 11 May 2019 12:56

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

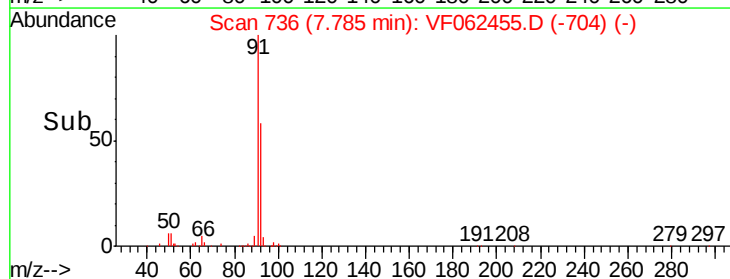
40000

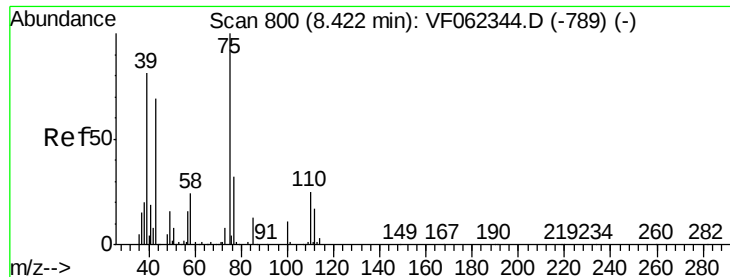
20000

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

ClientSampleId :

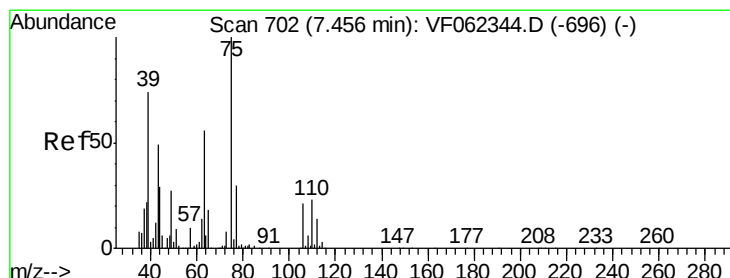
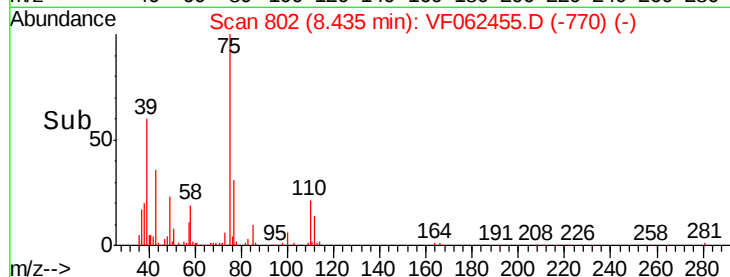
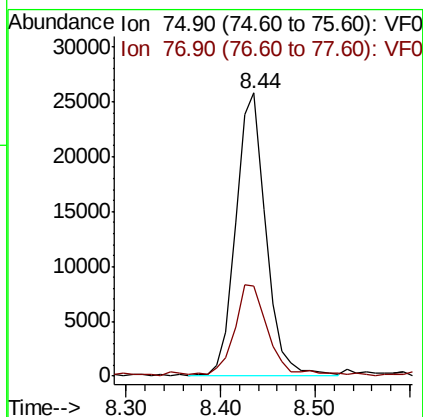
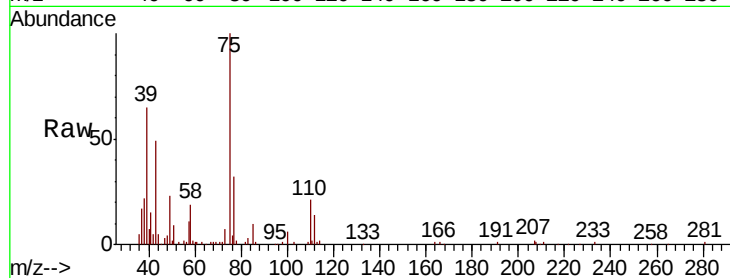
VF0511SBS01

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

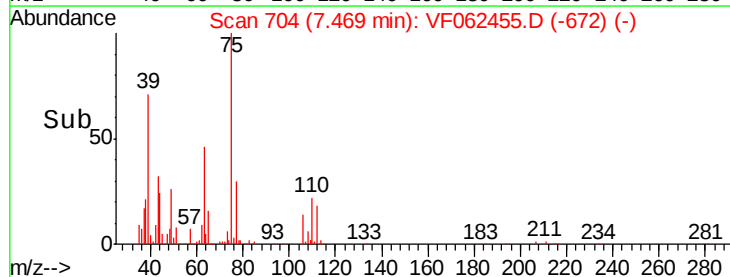
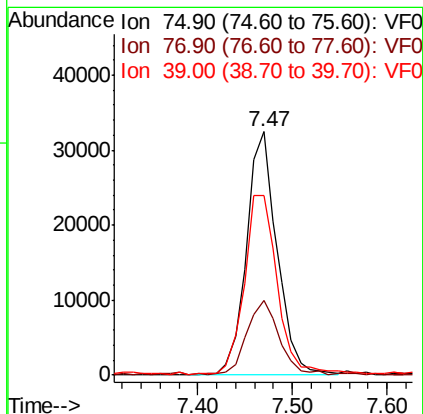
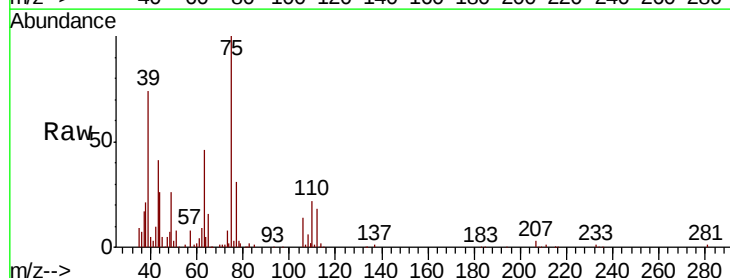
Tgt Ion: 75 Resp: 72984

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 :

VF0511SBS01

Tot Ion: 97 Resp: 34331

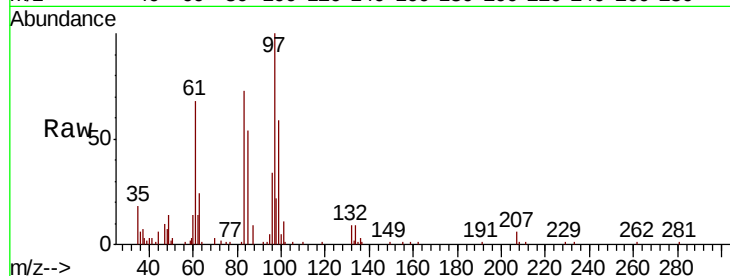
Ion Ratio Lower Upper

97 100

83 73.5 68.5 102.7

85 54.5 45.4 68.2

99 58.4 52.7 79.1

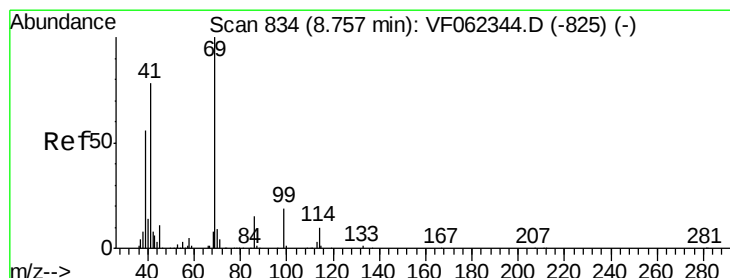
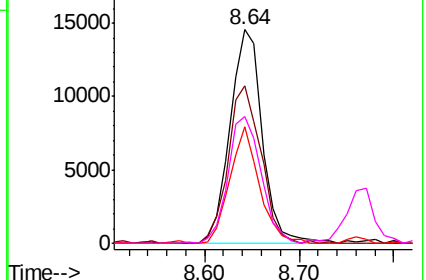
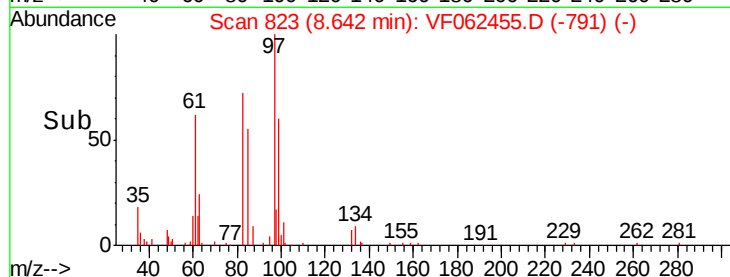


Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 98.90 (98.60 to 99.60): VF0



#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

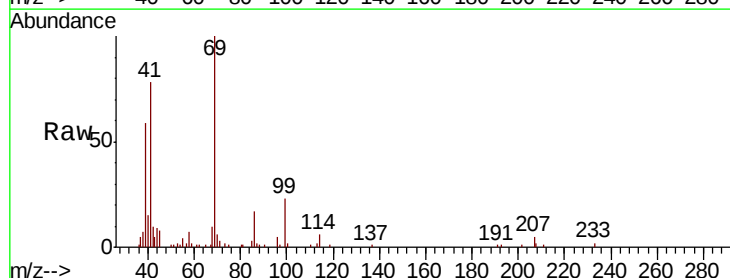
Tgt Ion: 69 Resp: 30831

Ion Ratio Lower Upper

69 100

41 79.5 66.3 99.5

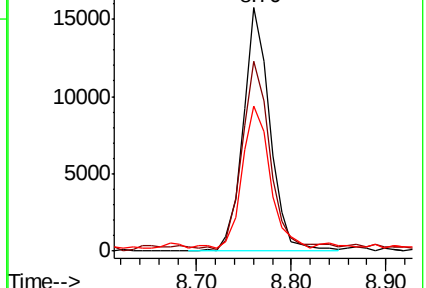
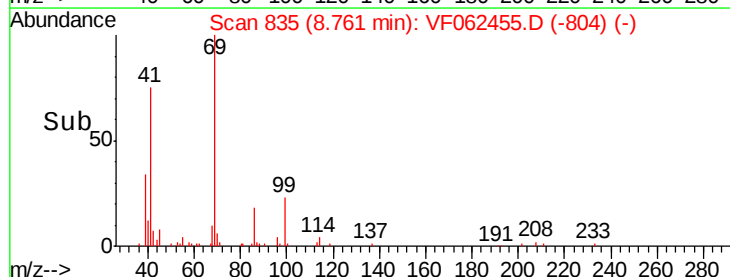
39 59.3 50.1 75.1

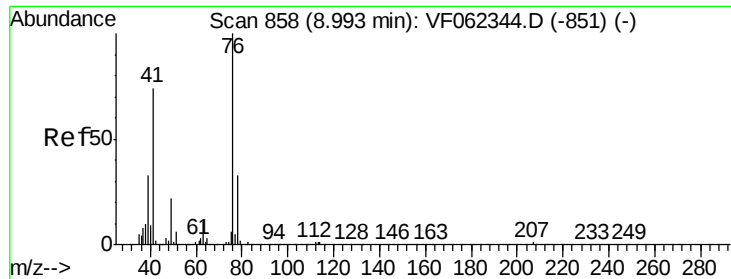


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 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 :

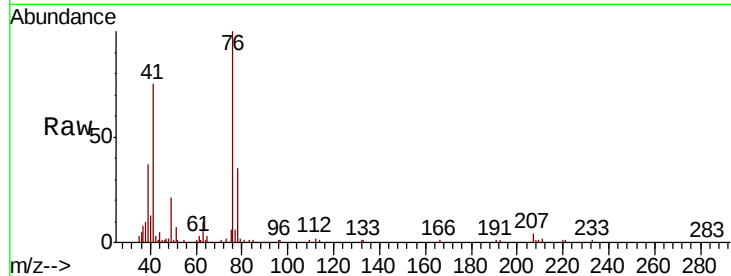
VF0511SBS01

Tot Ion: 76 Resp: 55655

Ion Ratio Lower Upper

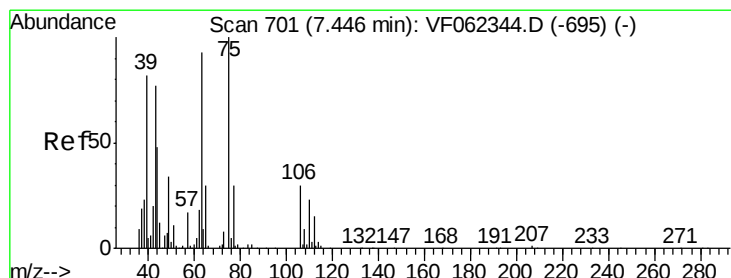
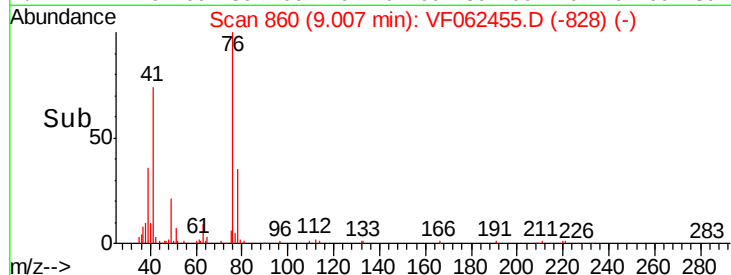
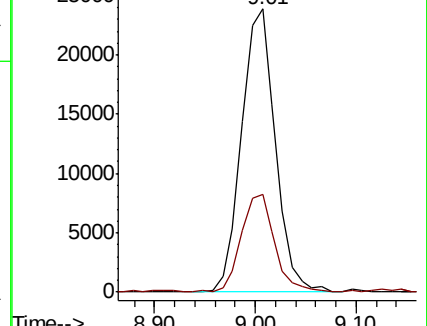
76 100

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

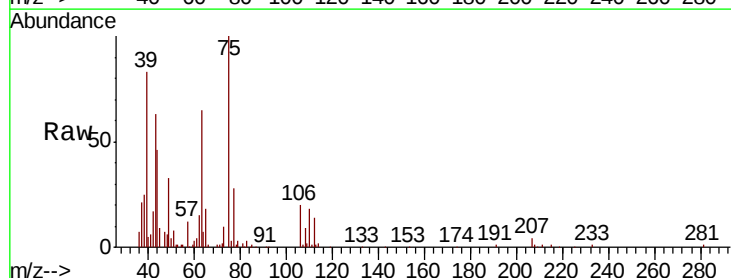
Acq: 11 May 2019 12:56

Tgt Ion: 63 Resp: 43731

Ion Ratio Lower Upper

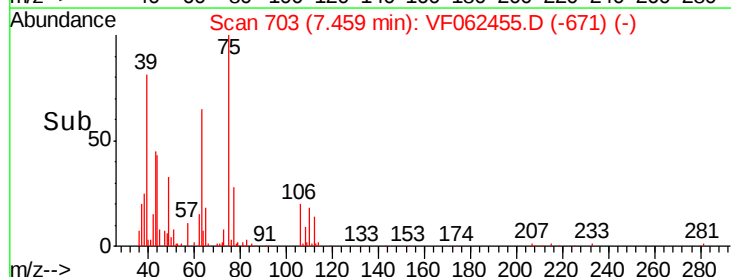
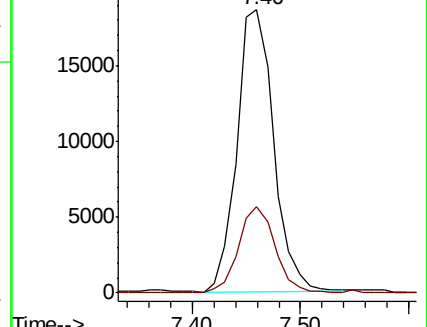
63 100

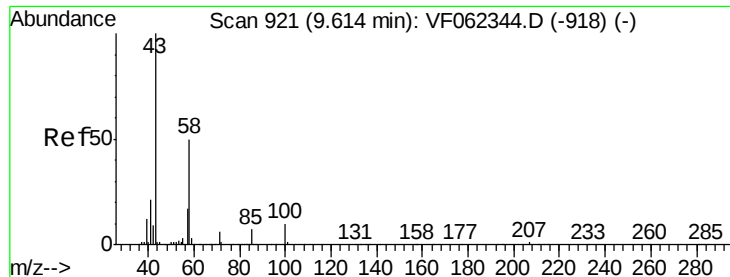
106 30.5 25.8 38.8



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V

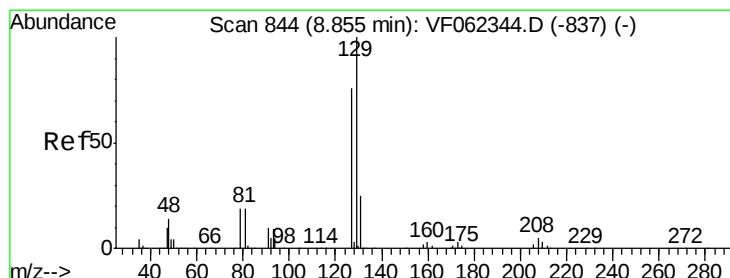
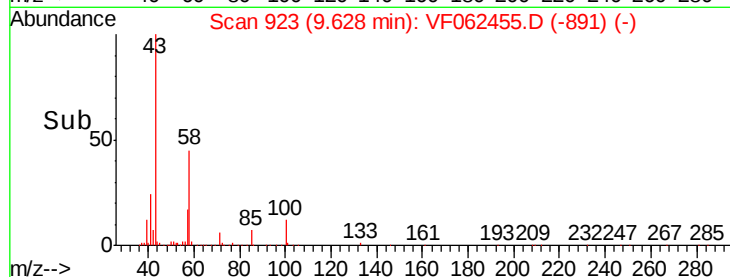
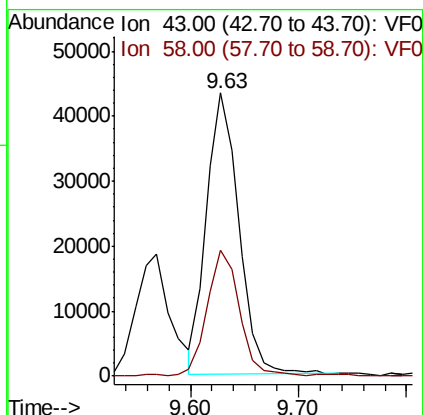
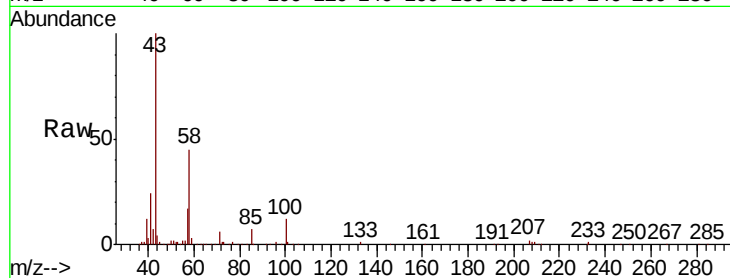




#59
2-Hexanone
Concen: 102.876 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.01 min
Lab File: VF062455.D
Acq: 11 May 2019 12:56

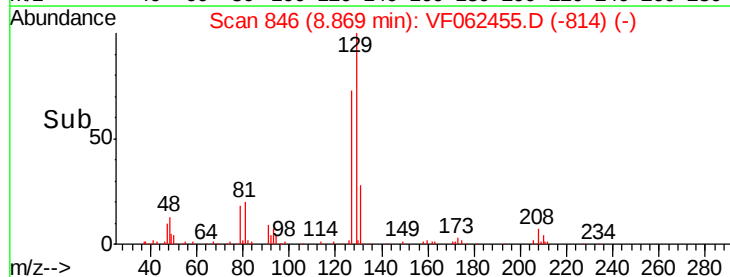
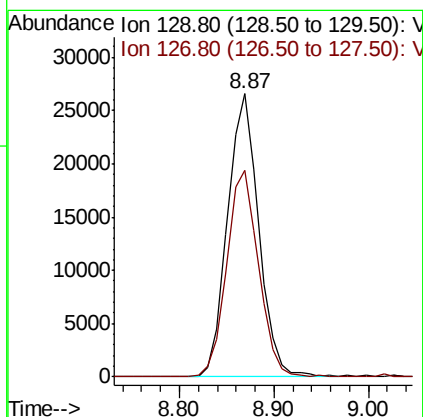
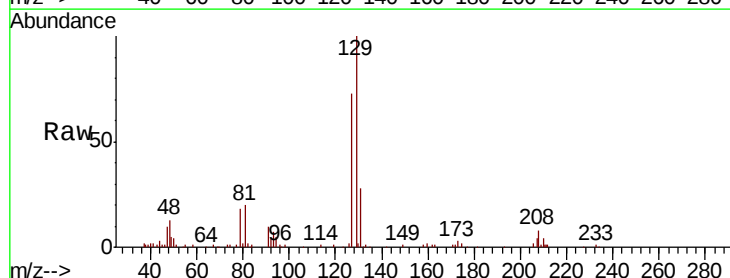
Instrument :
MSVOA_F
ClientSampleId :
VF0511SBSD01

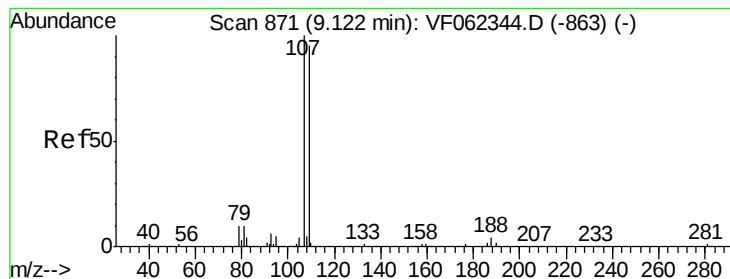
Tot Ion: 43 Resp: 89369
Ion Ratio Lower Upper
43 100
58 46.1 24.3 73.0



#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 :

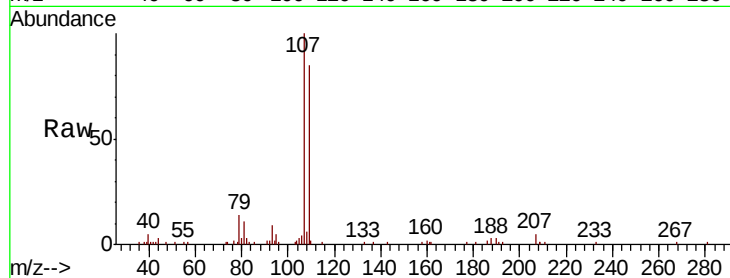
VF0511SBS01

Tot Ion: 107 Resp: 40946

Ion Ratio Lower Upper

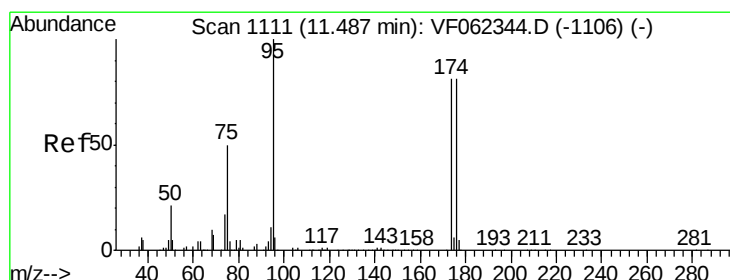
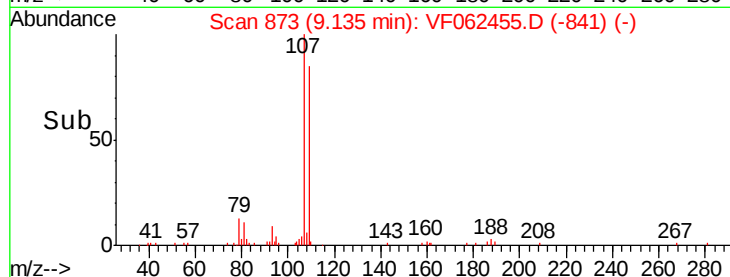
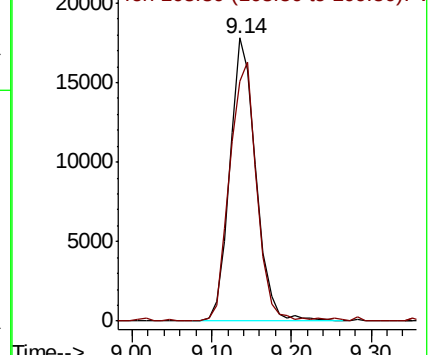
107 100

109 95.0 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#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

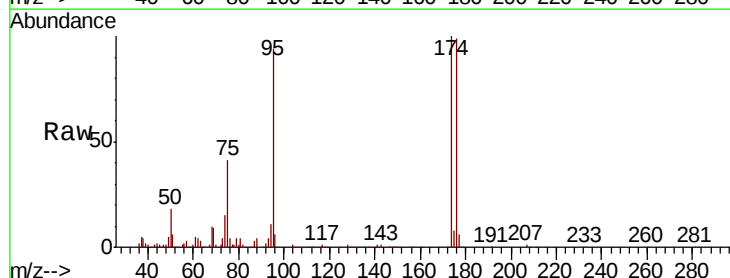
Tgt Ion: 95 Resp: 191582

Ion Ratio Lower Upper

95 100

174 98.1 0.0 191.8

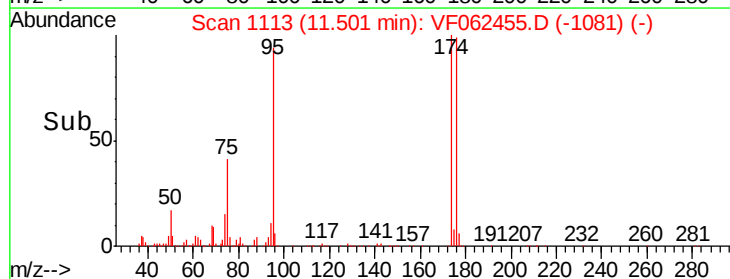
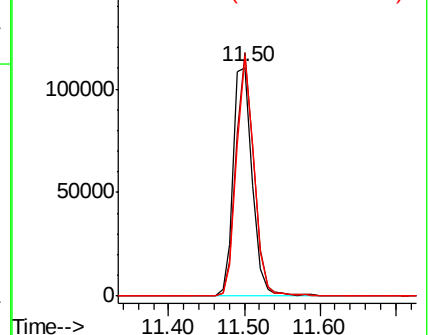
176 96.1 0.0 193.2

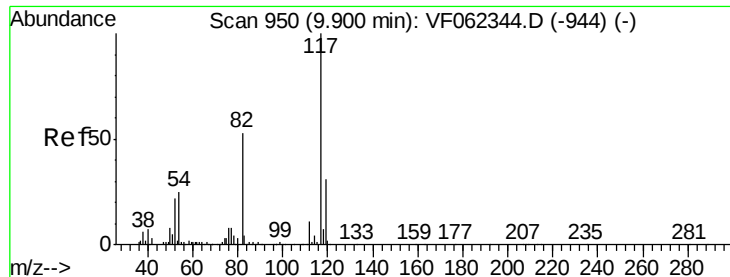


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

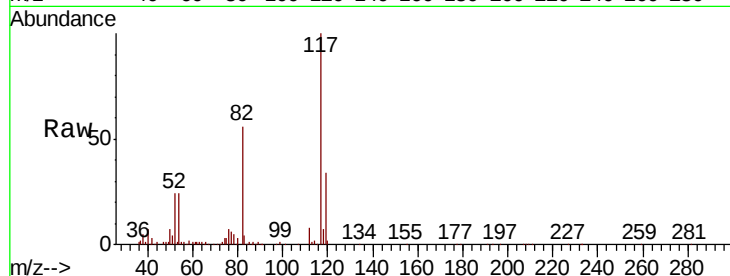




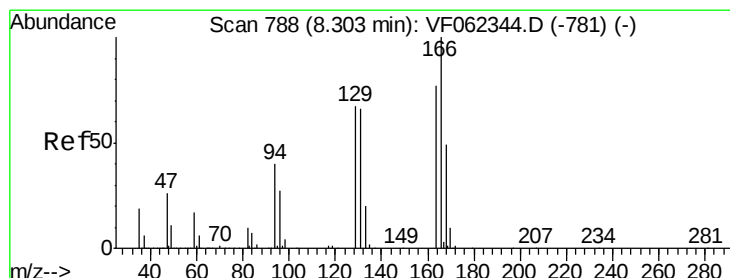
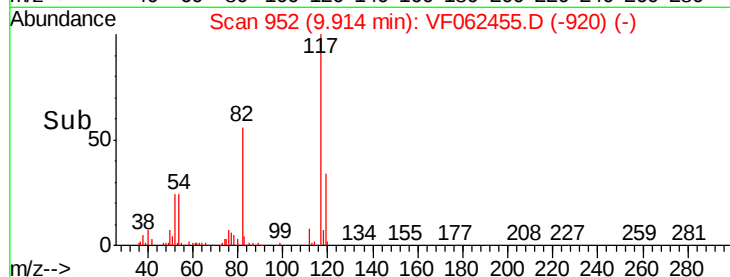
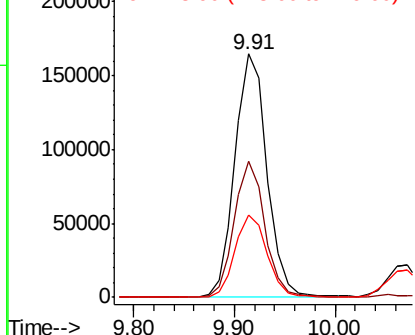
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF062455.D
Acq: 11 May 2019 12:56

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBSD01

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

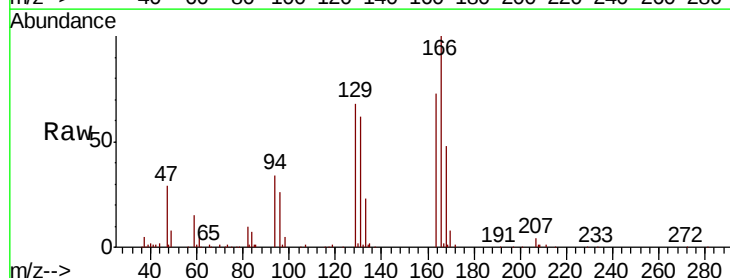


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 118.90 (118.60 to 119.60): V

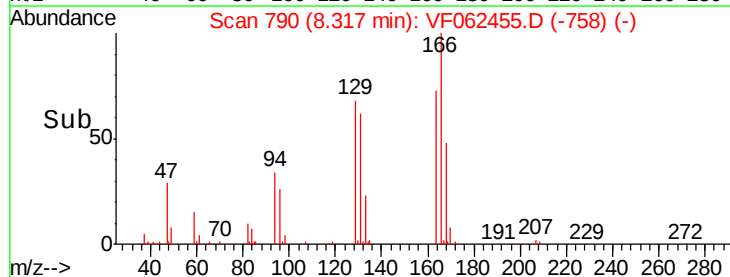
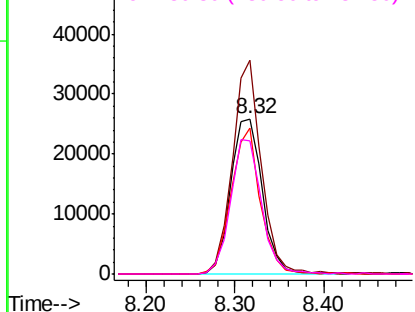


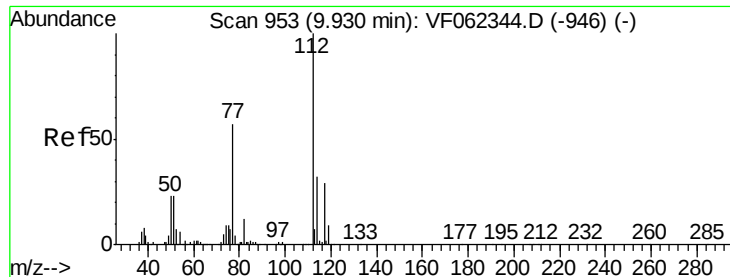
#64
Tetrachloroethene
Concen: 21.610 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.01 min
Lab File: VF062455.D
Acq: 11 May 2019 12:56

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 :

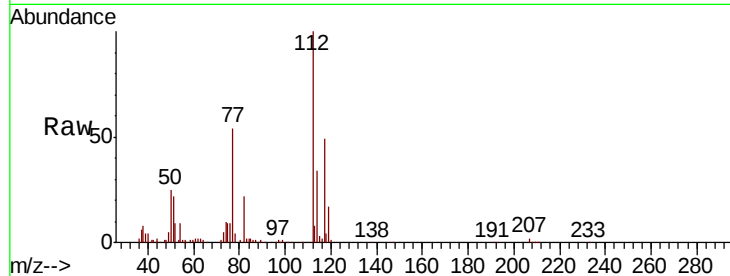
VF0511SBSD01

Tot Ion:112 Resp: 140867

Ion Ratio Lower Upper

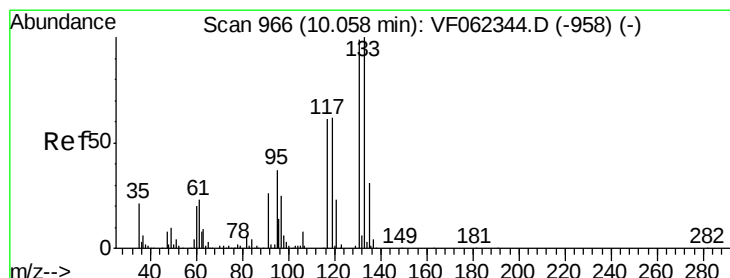
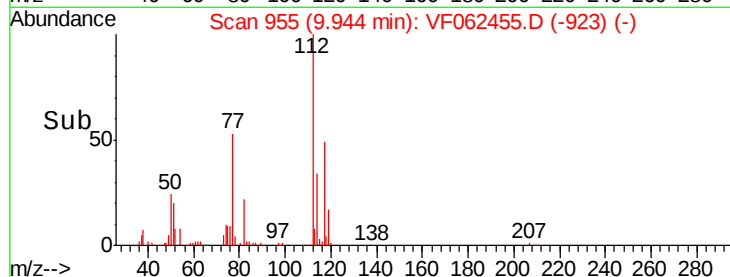
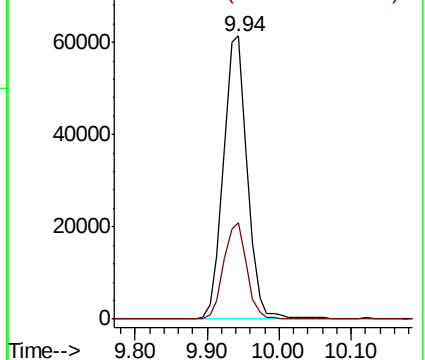
112 100

114 34.2 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#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

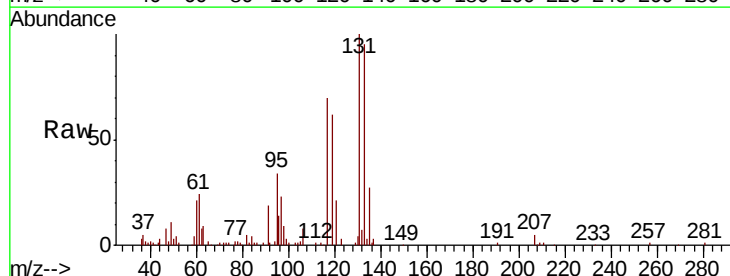
Tgt Ion:131 Resp: 70485

Ion Ratio Lower Upper

131 100

133 94.3 50.2 150.7

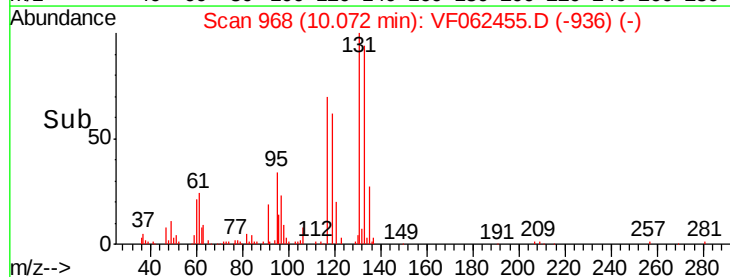
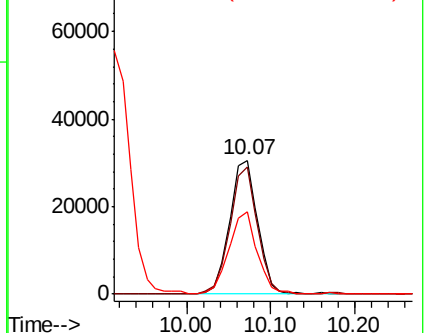
119 62.7 31.6 95.0

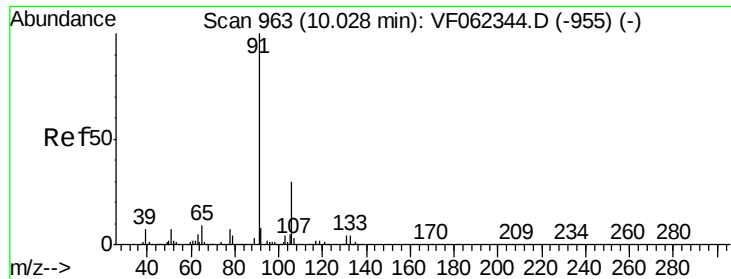


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#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

ClientSampleId :

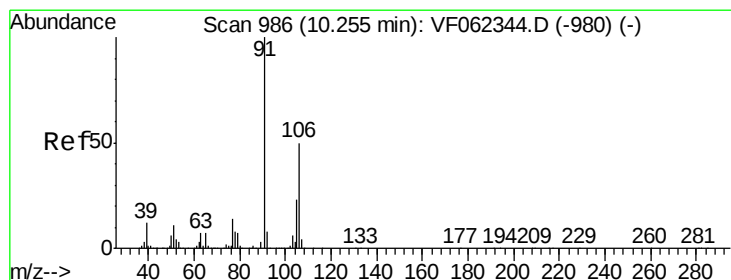
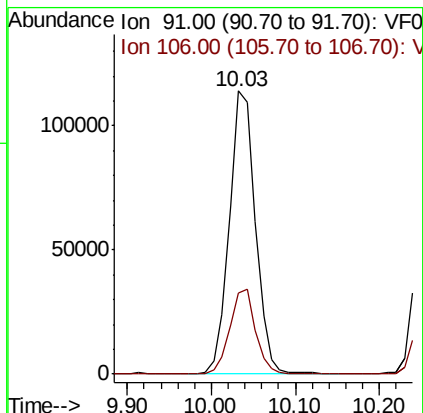
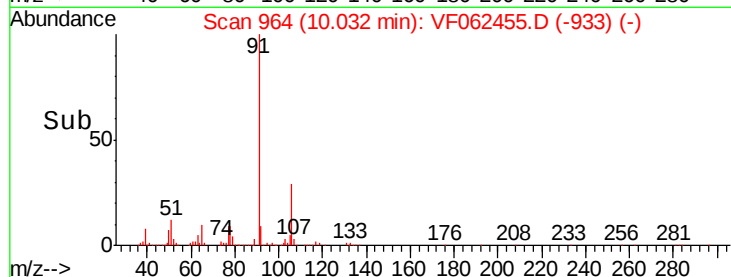
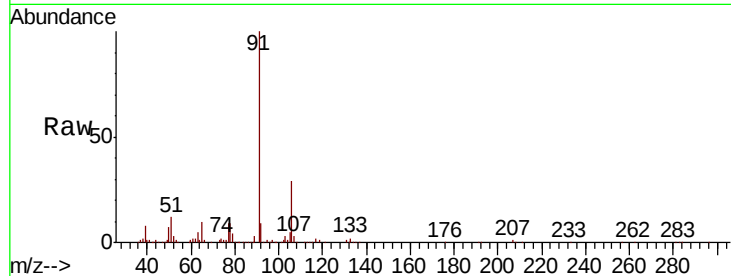
VF0511SBSD01

Tot Ion: 91 Resp: 247052

Ion Ratio Lower Upper

91 100

106 28.8 24.1 36.1



#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

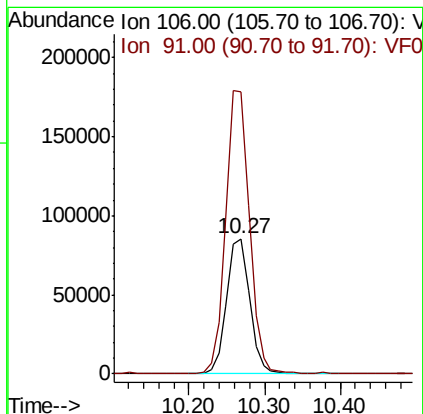
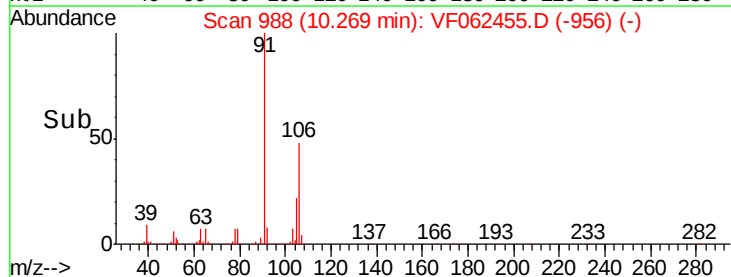
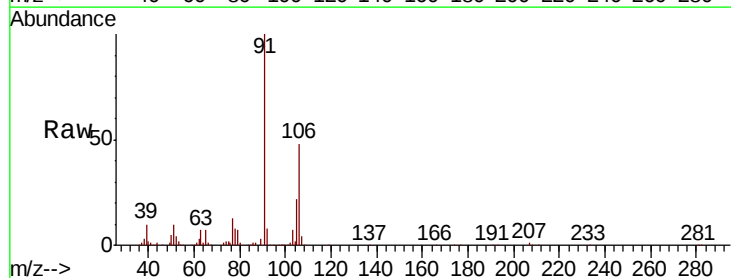
Acq: 11 May 2019 12:56

Tgt Ion: 106 Resp: 182029

Ion Ratio Lower Upper

106 100

91 212.2 167.4 251.2

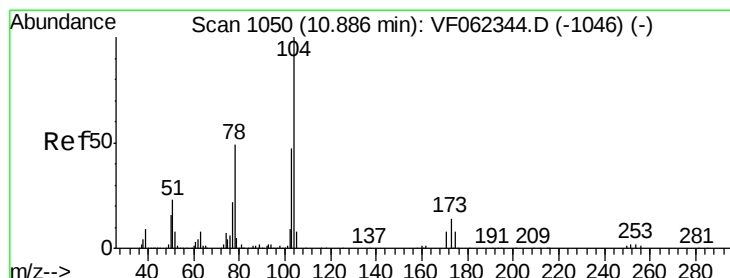
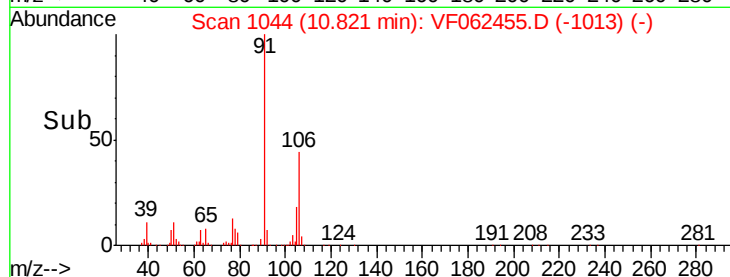
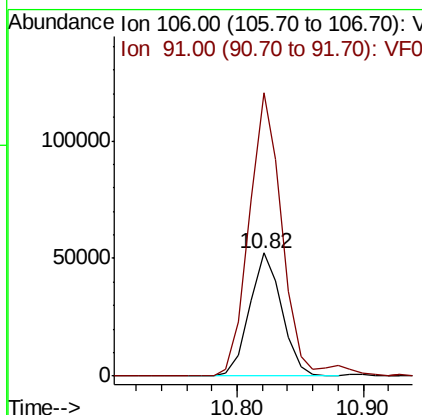
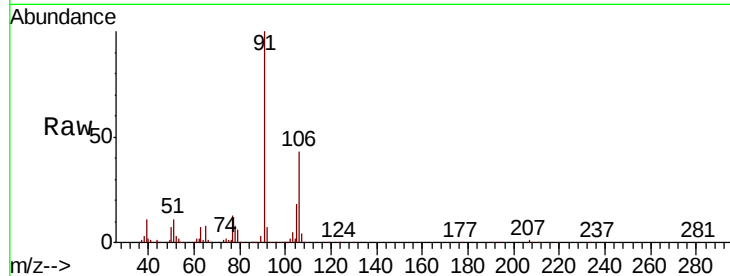




#69
o-Xylene
Concen: 22.007 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF062455.D
Acq: 11 May 2019 12:56

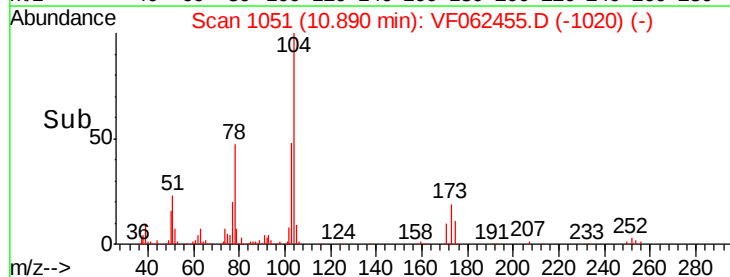
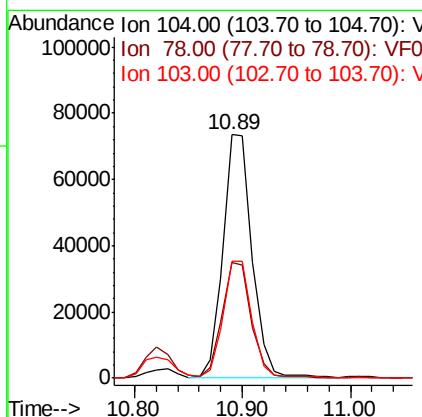
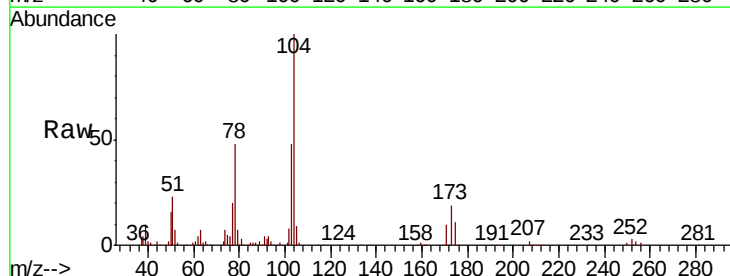
Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS01

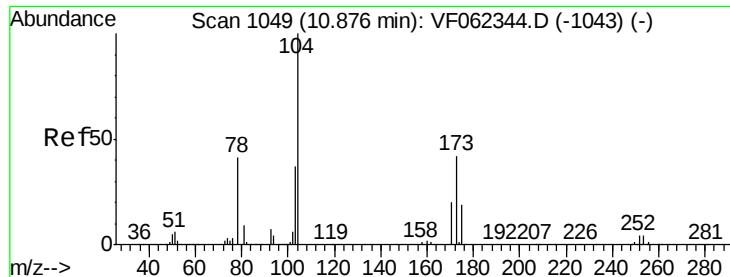
Tot Ion:106 Resp: 92859
Ion Ratio Lower Upper
106 100
91 239.4 111.3 333.8



#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 :

VF0511SBS01

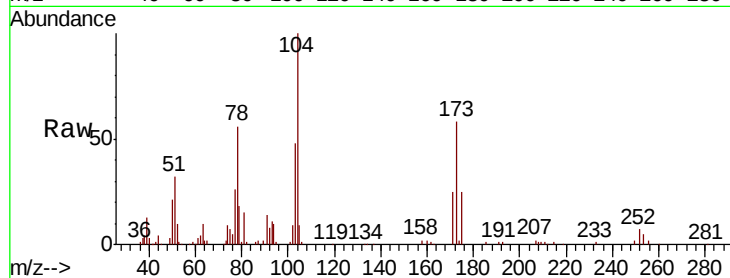
Tot Ion:173 Resp: 31721

Ion Ratio Lower Upper

173 100

175 50.6 23.8 71.2

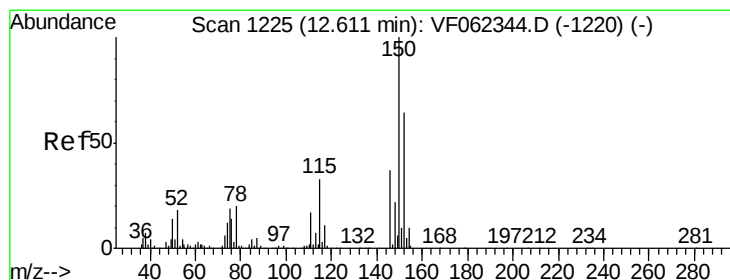
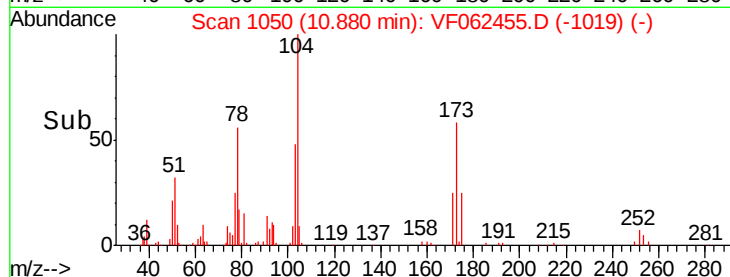
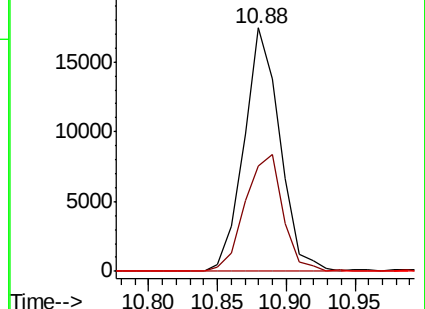
254 0.0 0.1 0.1#



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

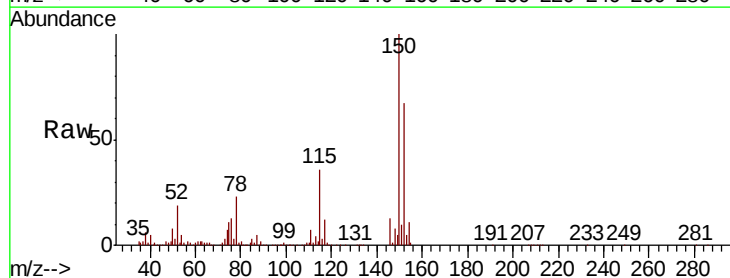
Tgt Ion:152 Resp: 227143

Ion Ratio Lower Upper

152 100

115 54.8 26.4 79.2

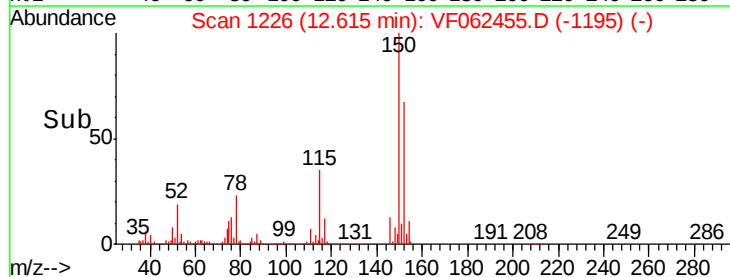
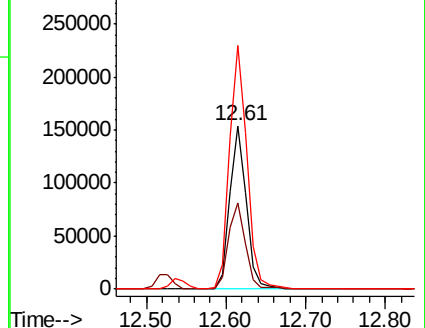
150 157.3 0.0 335.0

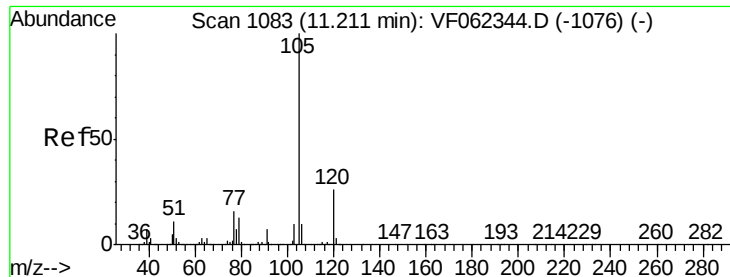


Abundance Ion 151.90 (151.60 to 152.60): V

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 :

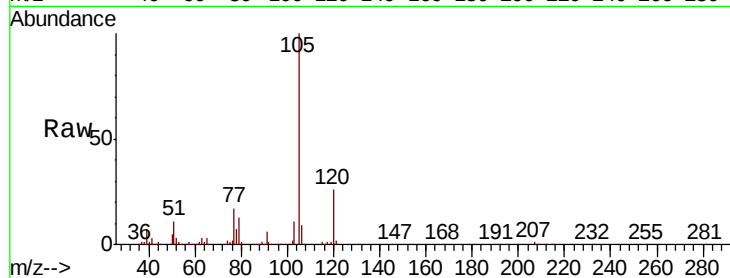
VF0511SBS01

Tot Ion: 105 Resp: 302188

Ion Ratio Lower Upper

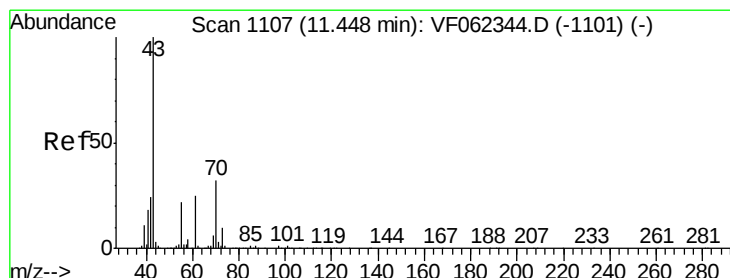
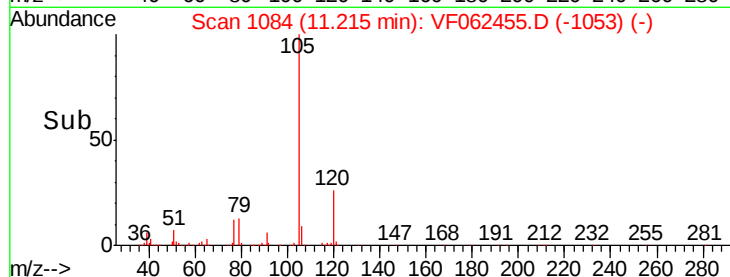
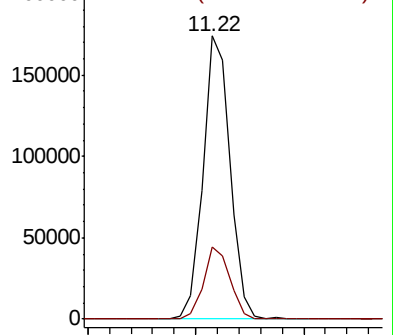
105 100

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

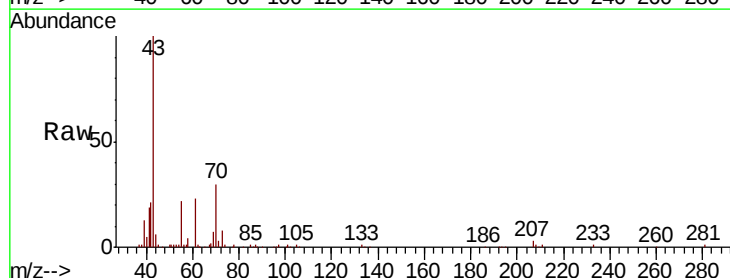
Ion Ratio Lower Upper

43 100

70 33.2 26.5 39.7

55 22.7 17.8 26.6

61 21.9 20.2 30.2

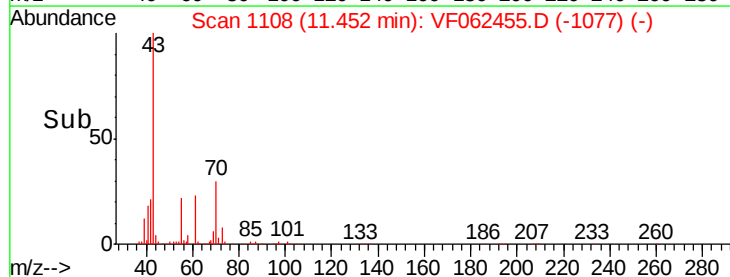
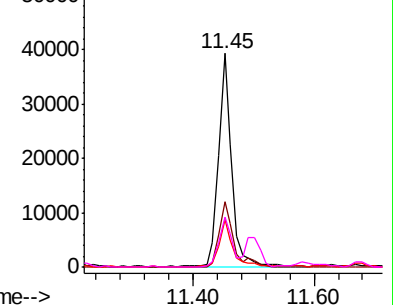


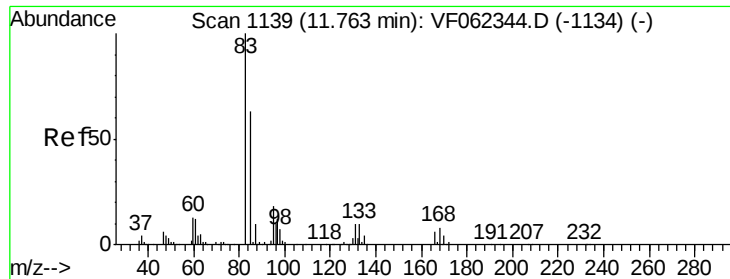
Abundance Ion 43.00 (42.70 to 43.70): VF0

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 :

VF0511SBS01

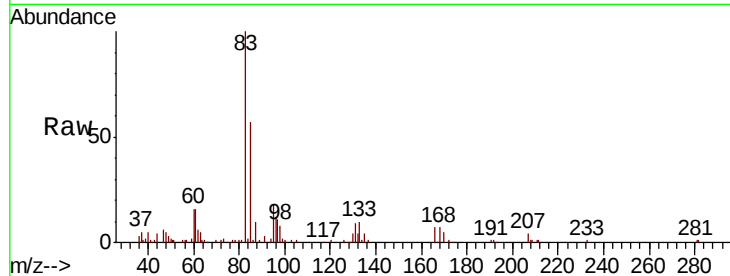
Tot Ion: 83 Resp: 42897

Ion Ratio Lower Upper

83 100

131 10.7 5.8 17.4

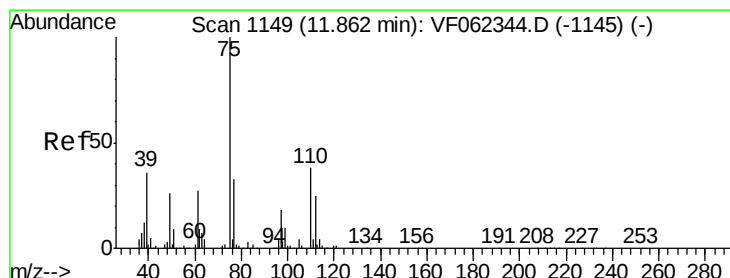
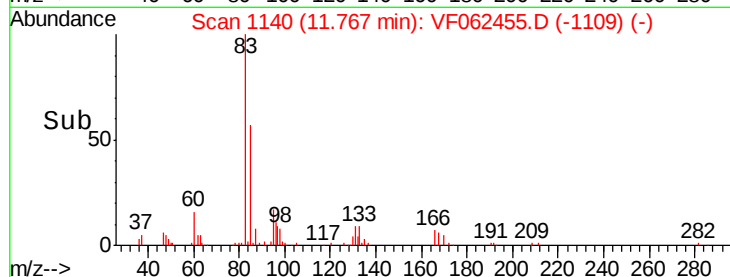
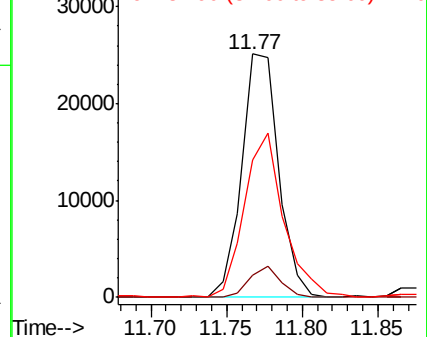
85 72.3 35.3 105.7



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): VF0

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

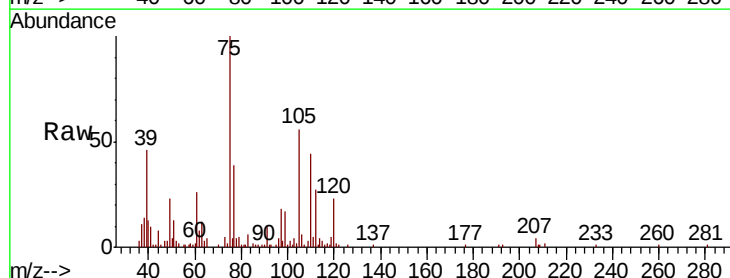
Acq: 11 May 2019 12:56

Tgt Ion: 75 Resp: 30702

Ion Ratio Lower Upper

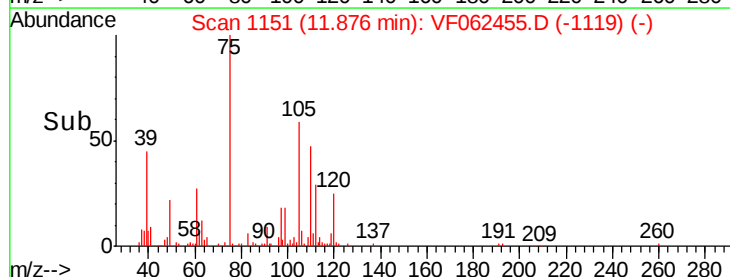
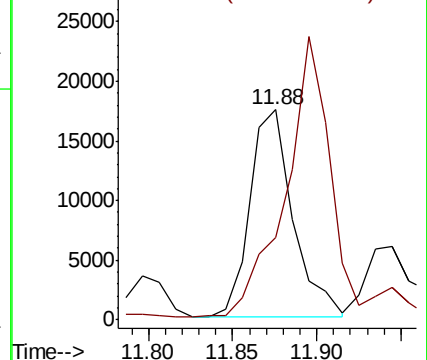
75 100

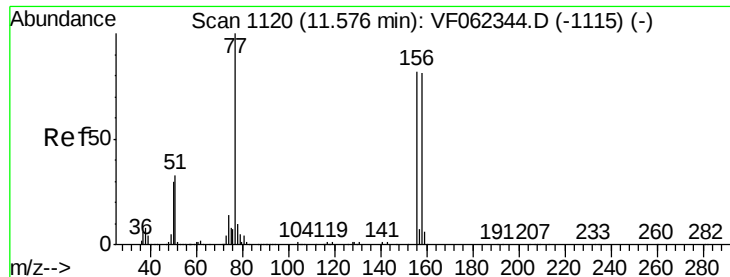
77 140.6 0.0 0.0#



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 :

VF0511SBS01

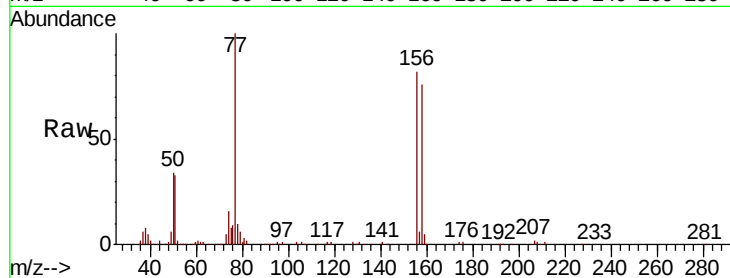
Tot Ion:156 Resp: 77664

Ion Ratio Lower Upper

156 100

77 121.9 64.8 194.3

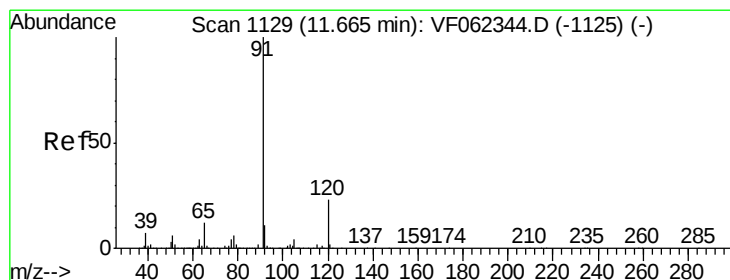
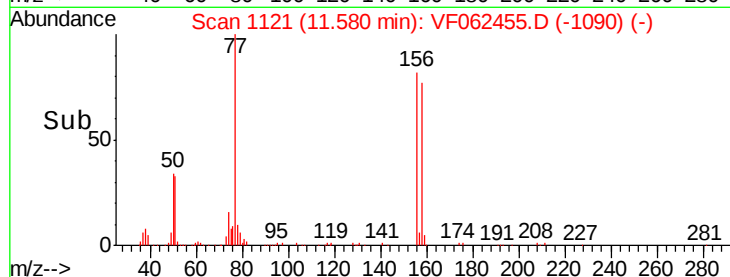
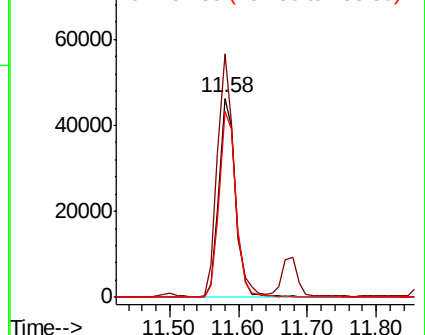
158 95.6 49.1 147.3



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

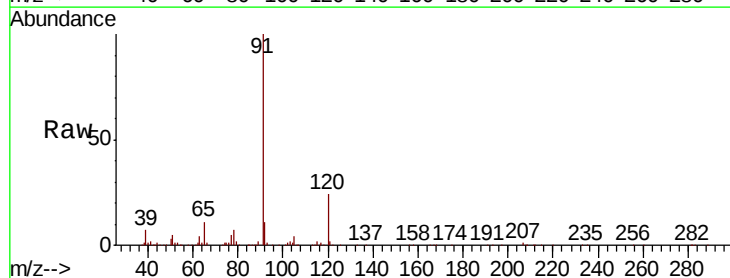
Acq: 11 May 2019 12:56

Tgt Ion: 91 Resp: 321741

Ion Ratio Lower Upper

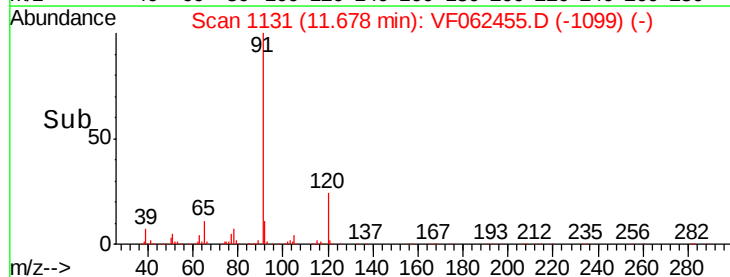
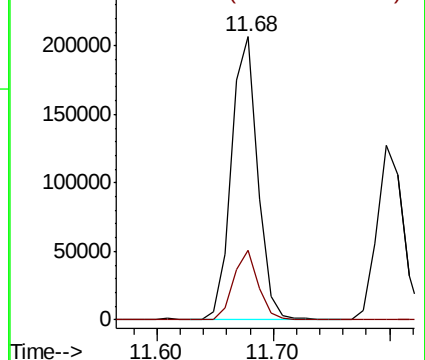
91 100

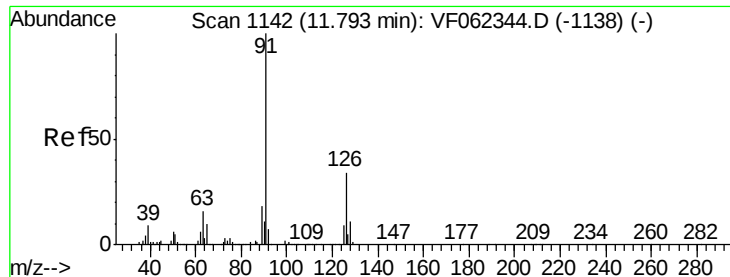
120 23.3 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

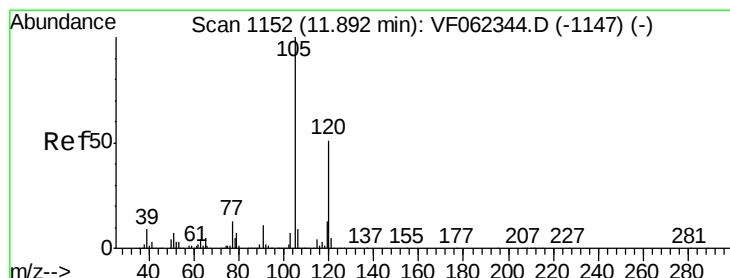
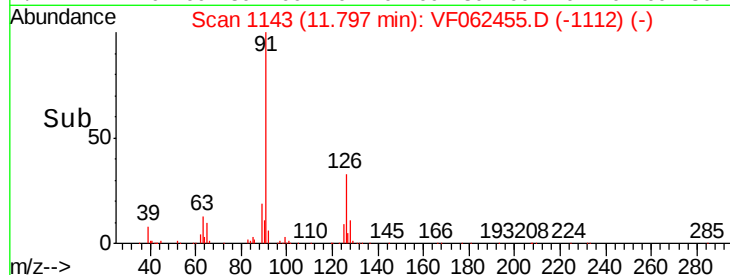
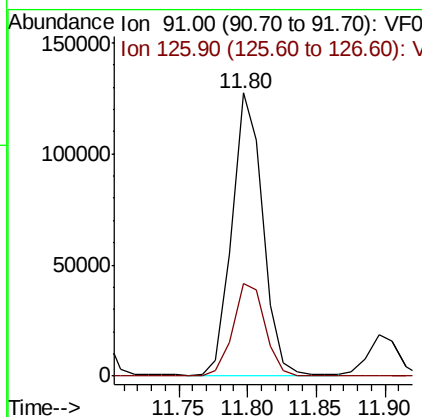
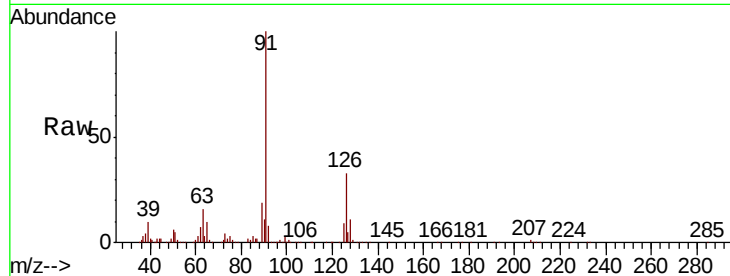




#79
 2-Chlorotoluene
 Concen: 22.184 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VF062455.D
 Acq: 11 May 2019 12:56

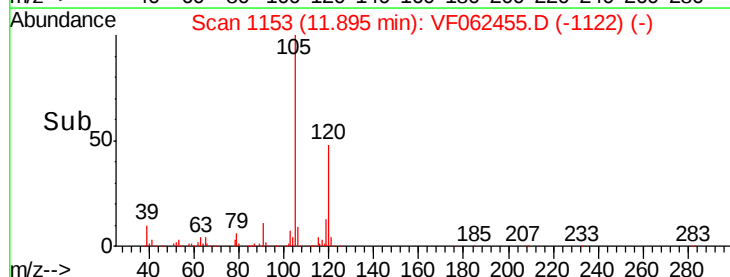
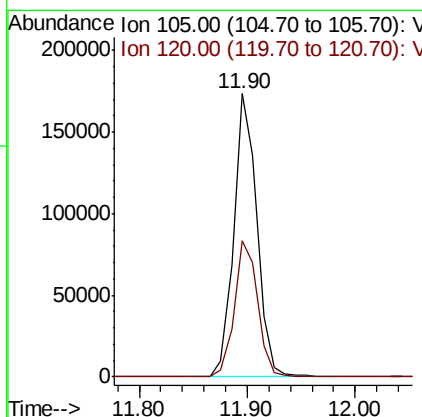
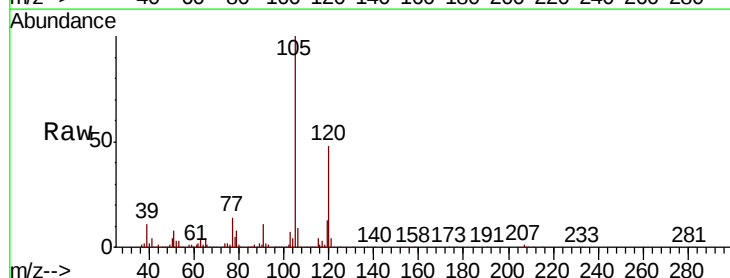
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBS01

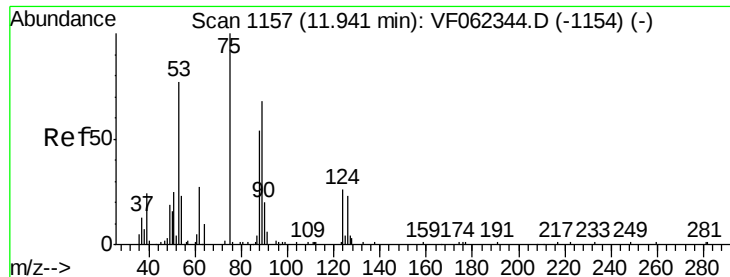
Tot Ion: 91 Resp: 197766
 Ion Ratio Lower Upper
 91 100
 126 34.8 17.8 53.4



#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

ClientSampleId :

VF0511SBS01

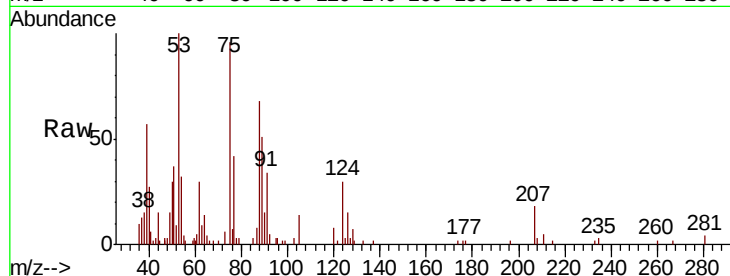
Tot Ion: 75 Resp: 10231

Ion Ratio Lower Upper

75 100

53 99.6 71.9 107.9

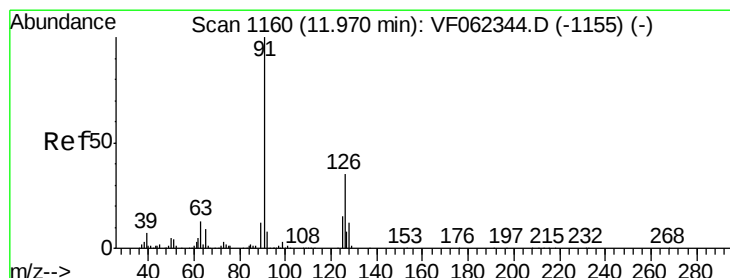
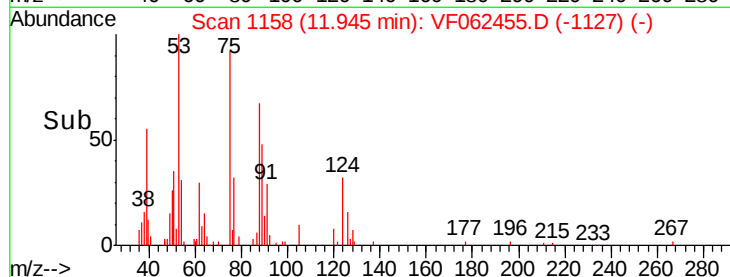
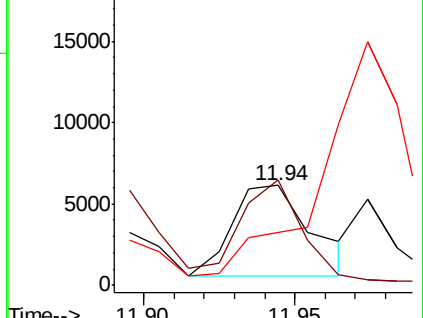
89 0.0 0.0 0.0



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

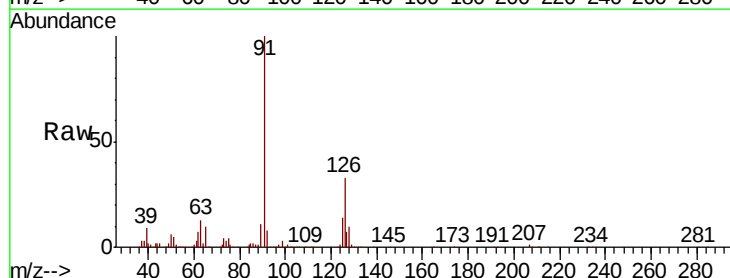
Acq: 11 May 2019 12:56

Tgt Ion: 91 Resp: 195119

Ion Ratio Lower Upper

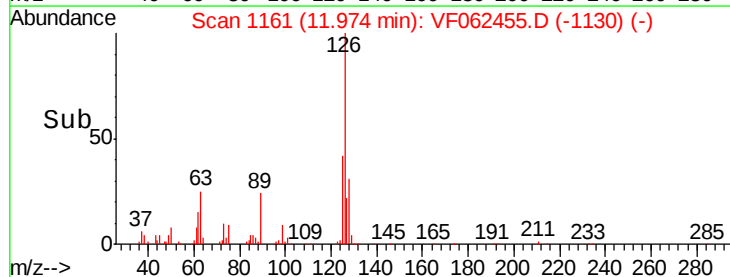
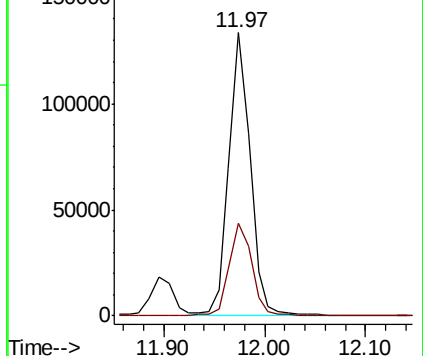
91 100

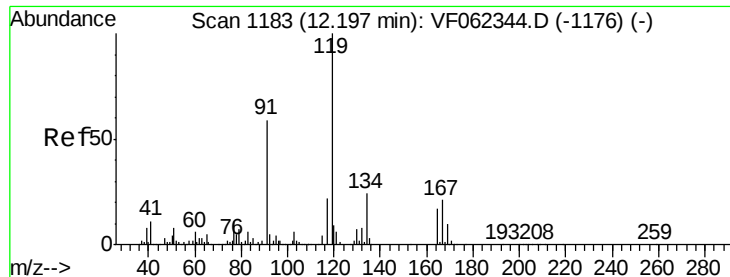
126 35.5 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V

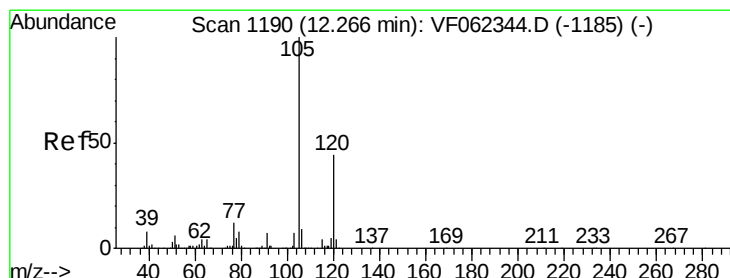
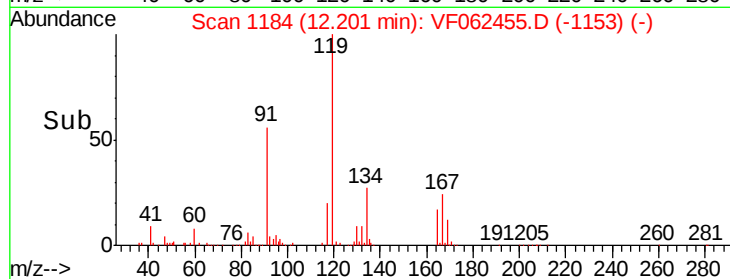
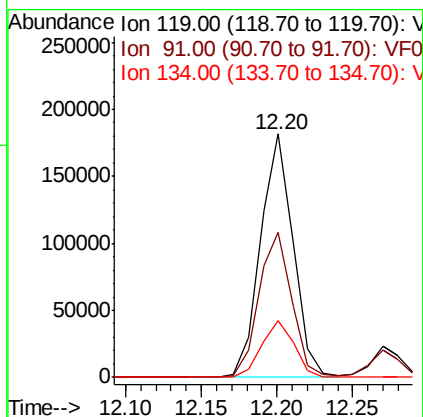
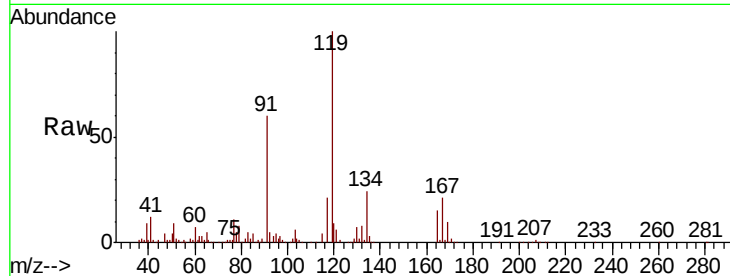




#83
 tert-Butylbenzene
 Concen: 22.098 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: VF062455.D
 Acq: 11 May 2019 12:56

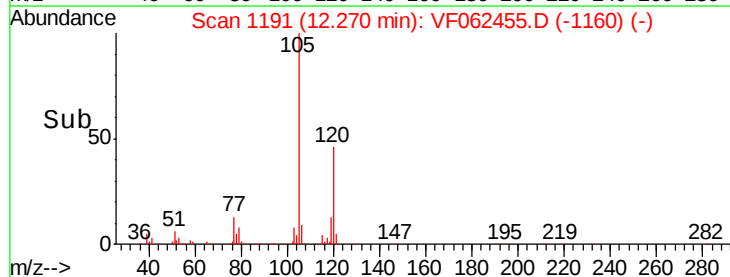
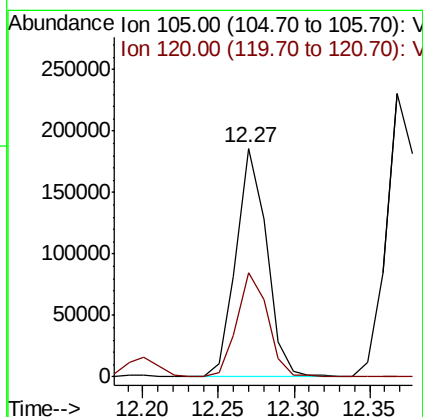
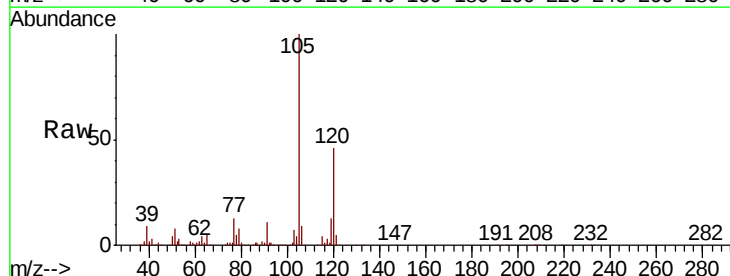
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBS01

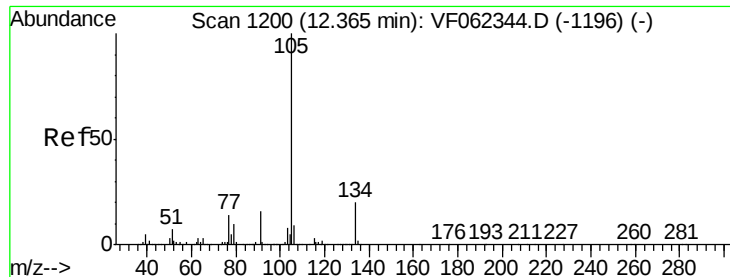
Tot Ion:119 Resp: 274101
 Ion Ratio Lower Upper
 119 100
 91 60.0 30.4 91.3
 134 23.4 11.9 35.7



#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





#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

ClientSampleId :

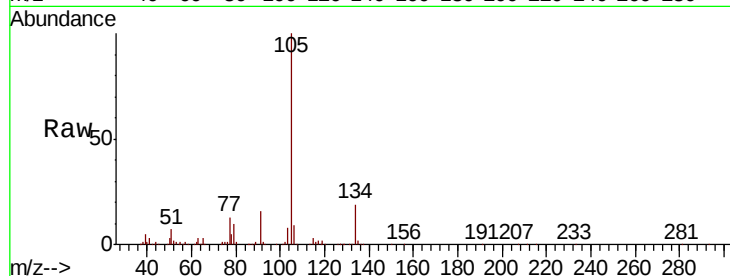
VF0511SBS01

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

12.37

250000

200000

150000

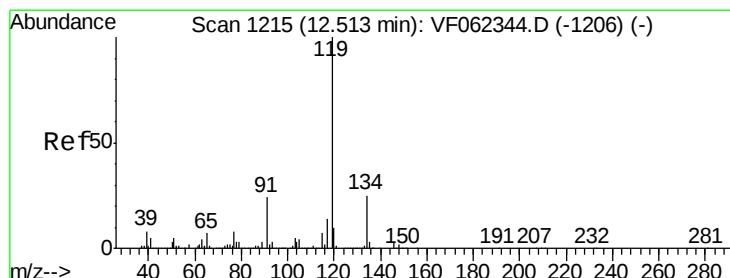
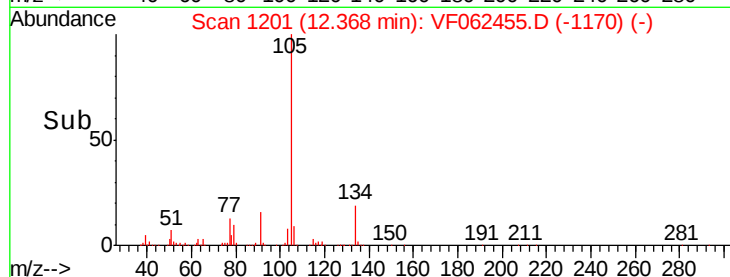
100000

50000

0

Time-->

12.30 12.40 12.50



#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

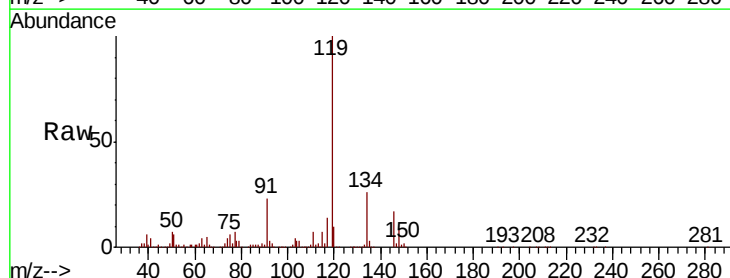
Tgt Ion:119 Resp: 314201

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

12.53

250000

200000

150000

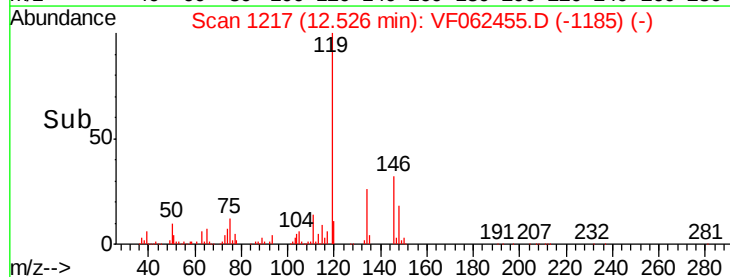
100000

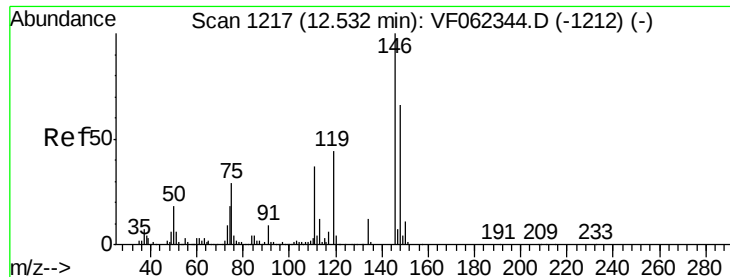
50000

0

Time-->

12.40 12.50 12.60

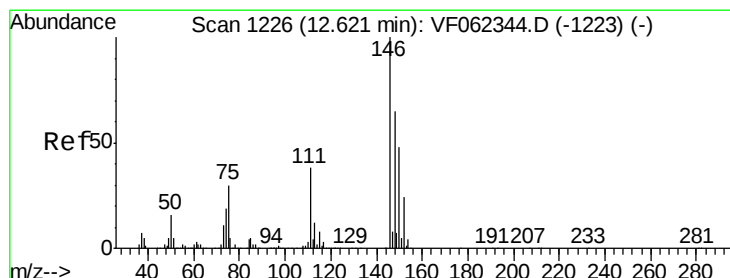
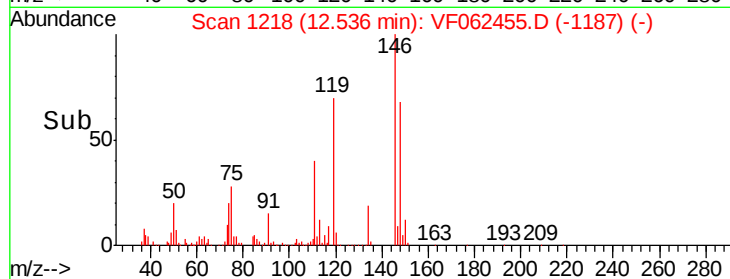
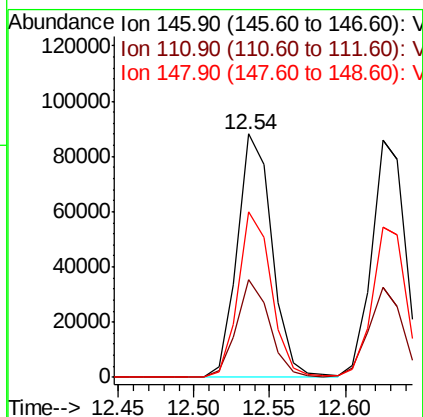
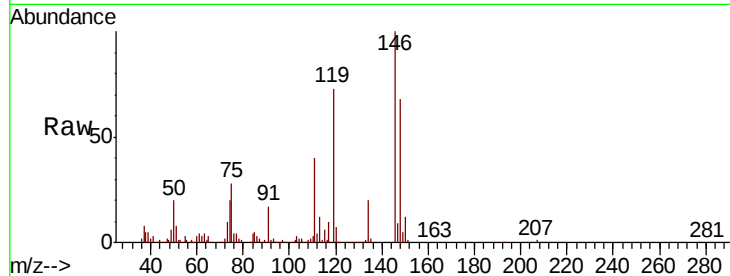




#87
 1,3-Dichlorobenzene
 Concen: 21.831 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF062455.D
 Acq: 11 May 2019 12:56

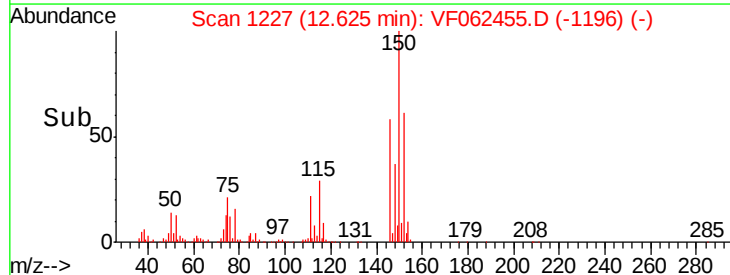
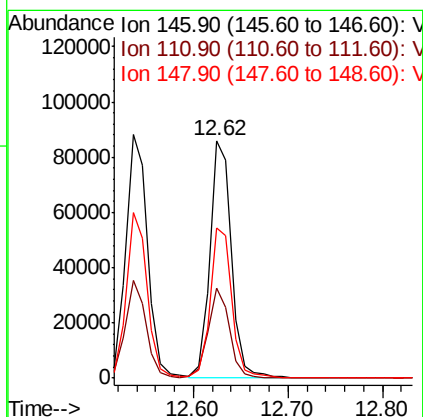
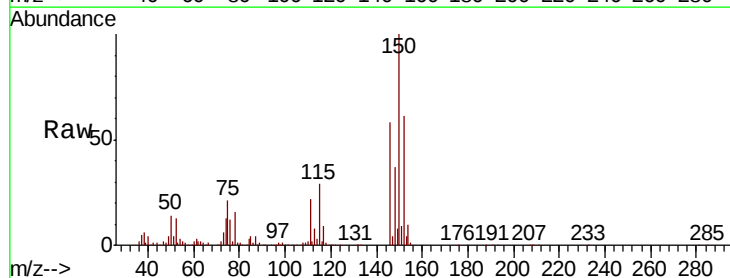
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBSD01

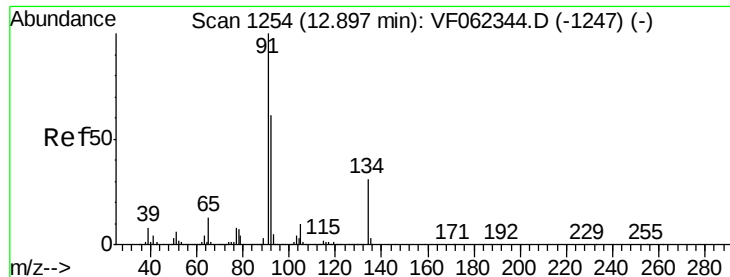
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.3	54.8
148	65.2	32.3	96.9



#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 :

VF0511SBS01

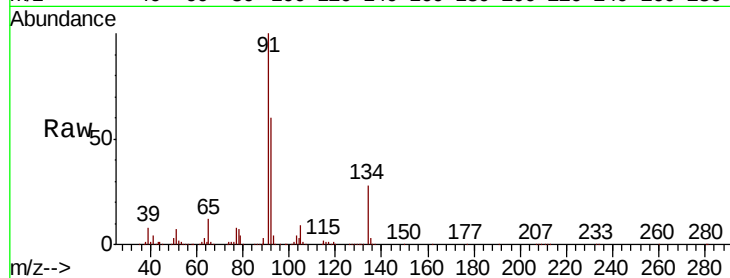
Tot Ion: 91 Resp: 299245

Ion Ratio Lower Upper

91 100

92 59.2 30.0 90.0

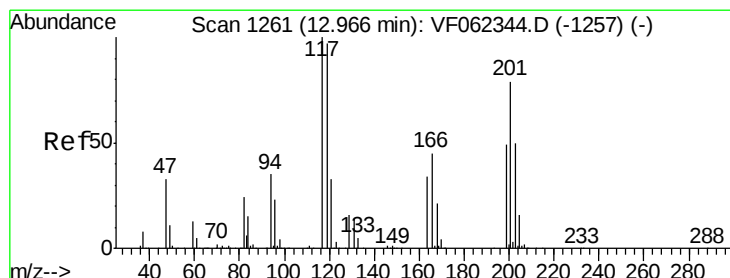
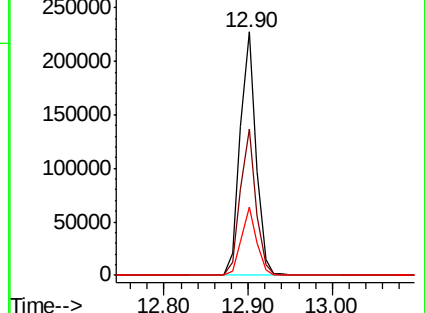
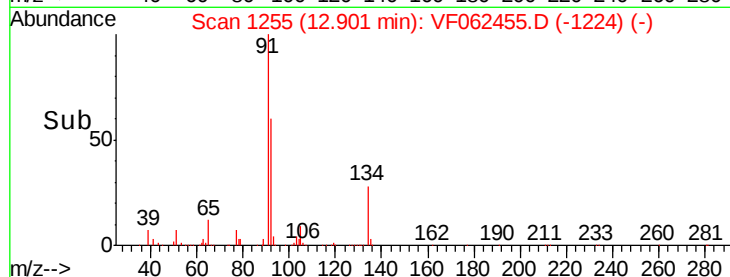
134 27.1 14.1 42.4



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

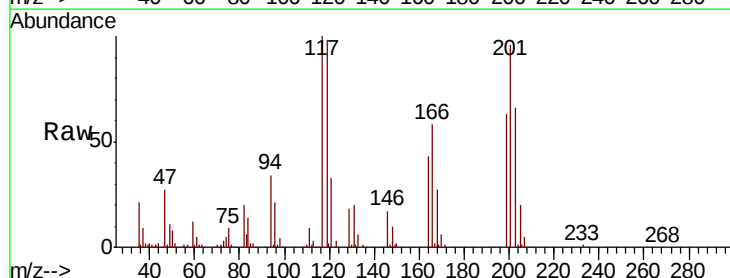
Acq: 11 May 2019 12:56

Tgt Ion: 117 Resp: 75196

Ion Ratio Lower Upper

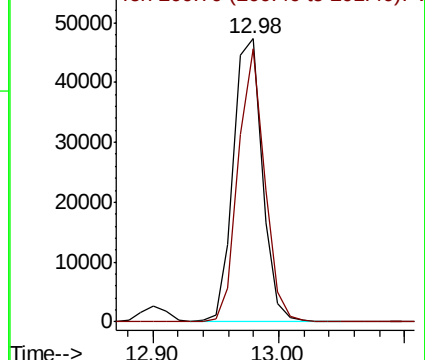
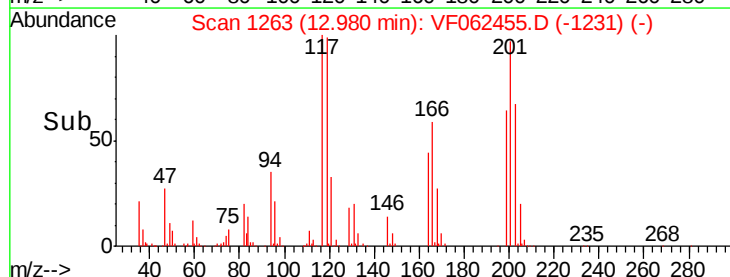
117 100

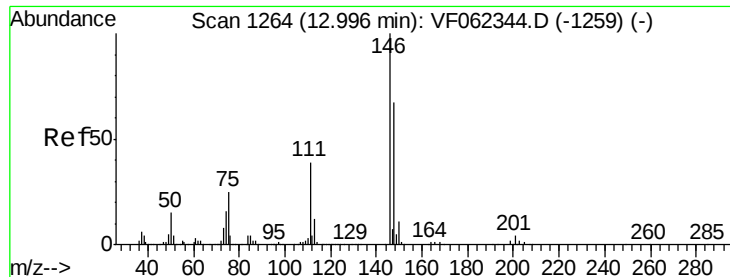
201 87.5 46.2 138.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

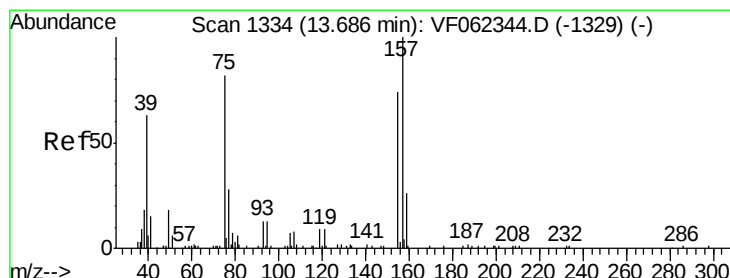
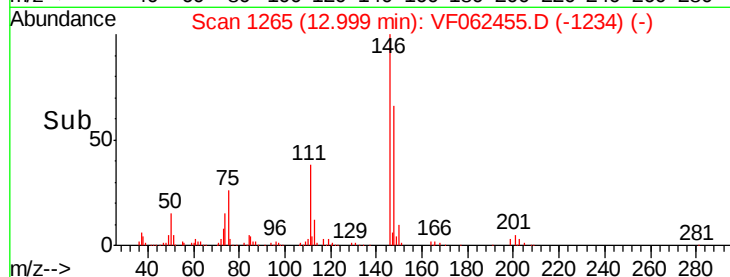
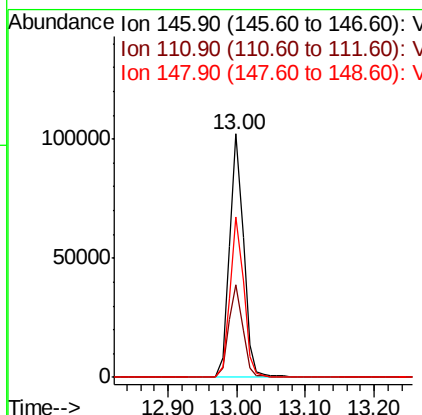
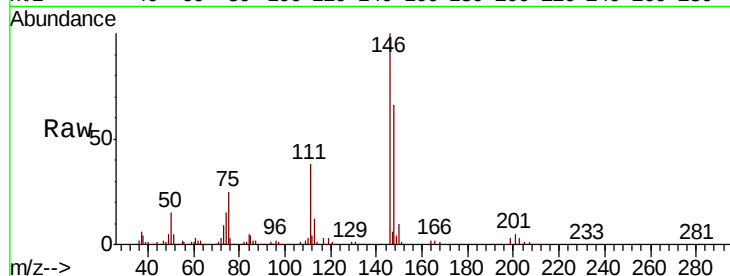




#91
 1,2-Dichlorobenzene
 Concen: 23.187 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VF062455.D
 Acq: 11 May 2019 12:56

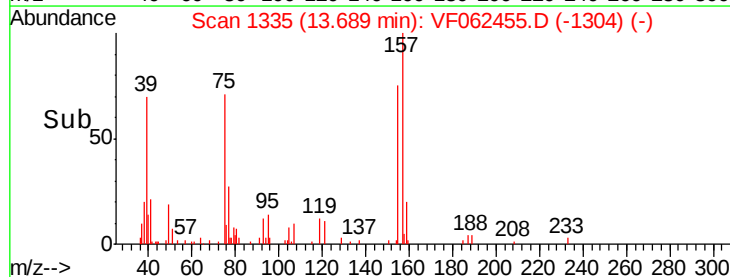
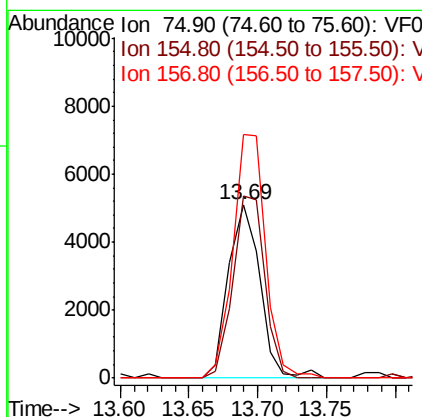
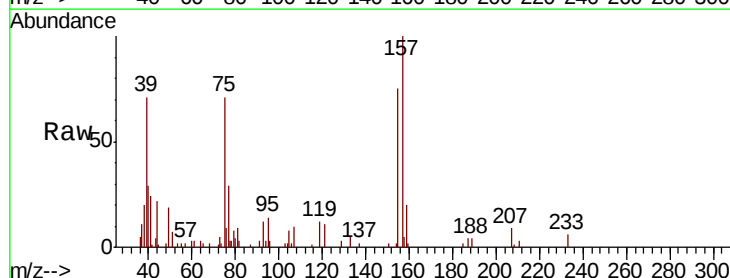
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBS01

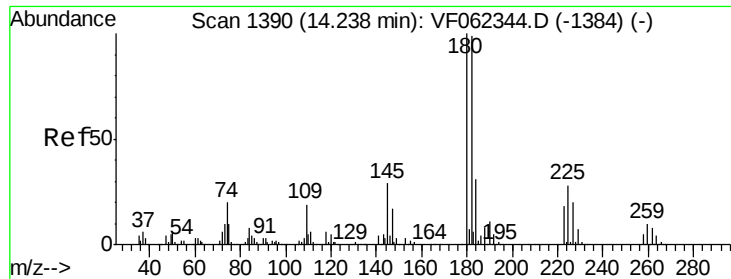
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	20.0	60.0
148	64.3	33.1	99.5



#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

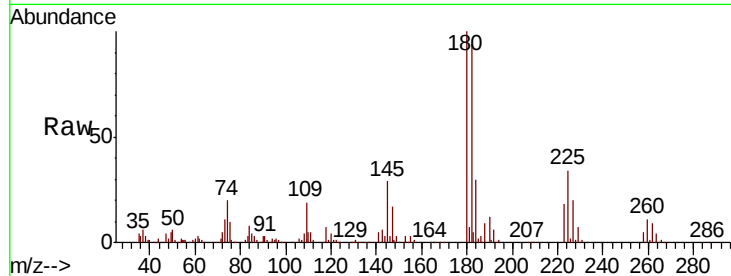




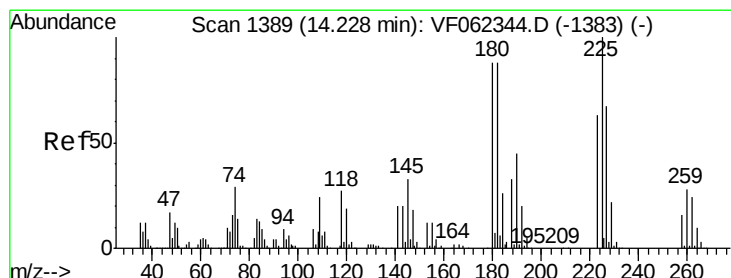
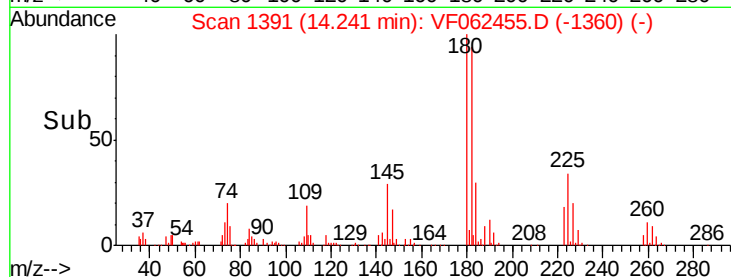
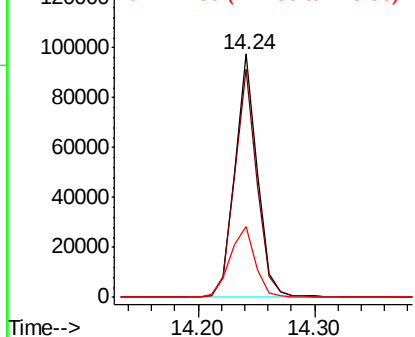
#93
 1,2,4-Trichlorobenzene
 Concen: 23.157 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF062455.D
 Acq: 11 May 2019 12:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBS01

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

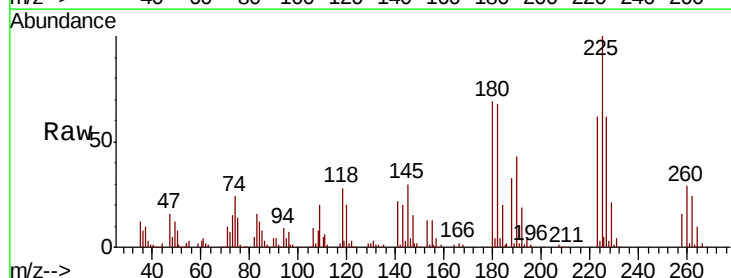


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

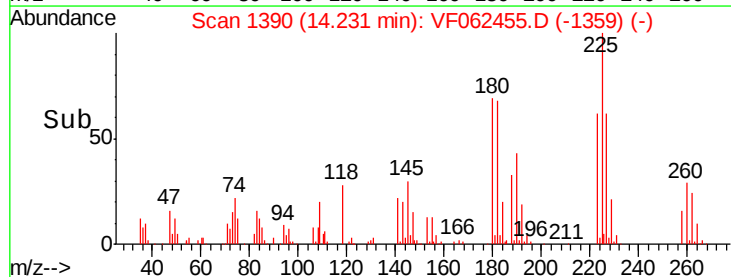
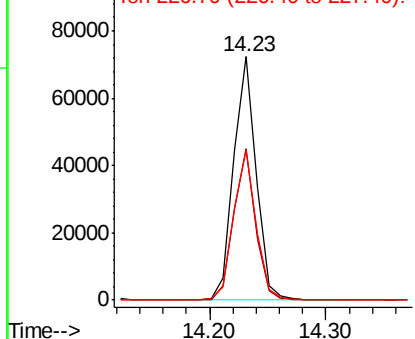


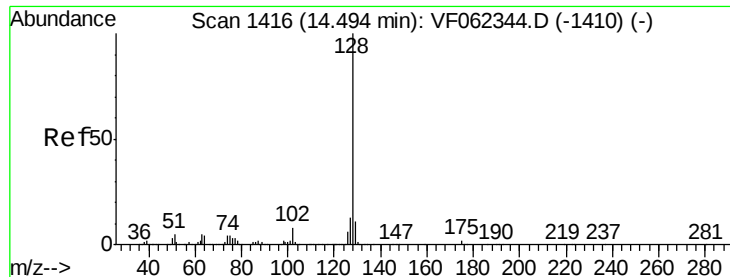
#94
 Hexachlorobutadiene
 Concen: 23.138 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062455.D
 Acq: 11 May 2019 12:56

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 :

VF0511SBS01

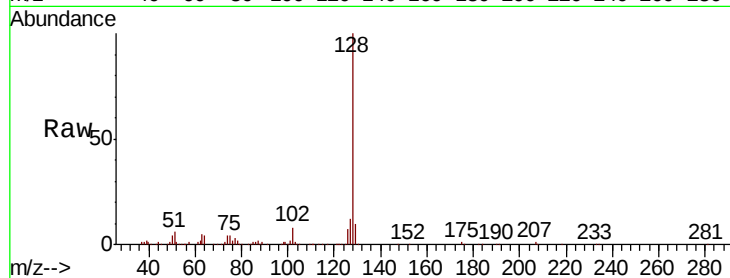
Tot Ion:128 Resp: 173286

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

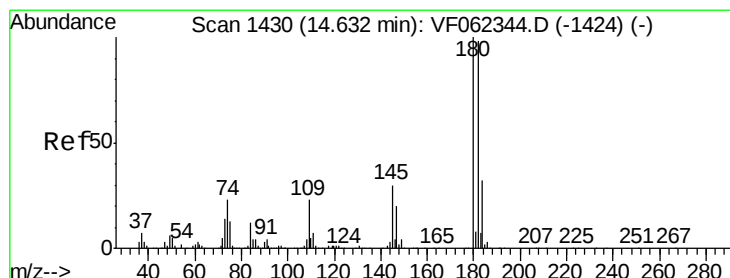
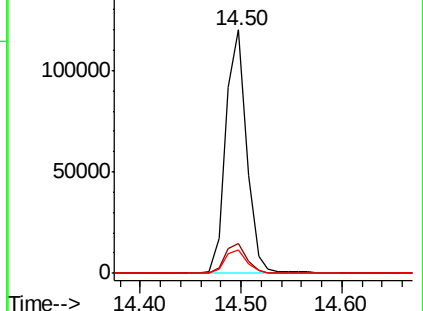
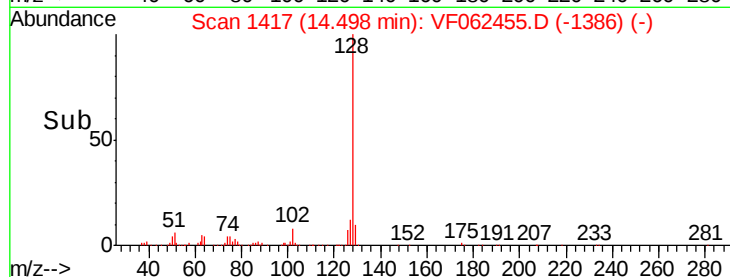
129 10.3 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 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

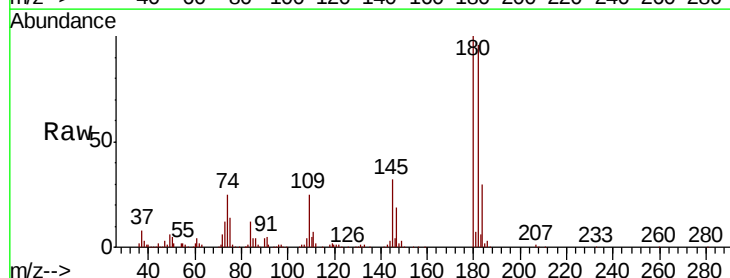
Tgt Ion:180 Resp: 123442

Ion Ratio Lower Upper

180 100

182 97.6 49.4 148.0

145 29.7 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

