

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051219\
 Data File : VF062503.D
 Acq On : 12 May 2019 15:17
 Operator : FY/SY
 Sample : K2734-05MSD
 Misc : 3.95g/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P026-SS012-0002-01MSD

Quant Time: May 13 04:45:42 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	5.07	168	15813	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.80	114	24298	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.93	117	12081	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	4273	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	31323	209.60	ug/l	0.03
Spiked Amount			Recovery	=	419.20%	
35) Dibromofluoromethane	4.33	113	31905	164.82	ug/l	0.03
Spiked Amount			Recovery	=	329.64%	
50) Toluene-d8	7.72	98	18167	38.77	ug/l	0.02
Spiked Amount			Recovery	=	77.54%	
62) 4-Bromofluorobenzene	11.51	95	4951	23.42	ug/l	0.02
Spiked Amount			Recovery	=	46.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	22144	120.999	ug/l	85
3) Chloromethane	1.15	50	14245	118.020	ug/l	95
4) Vinyl Chloride	1.20	62	10451	86.808	ug/l	93
5) Bromomethane	1.38	94	7882	88.709	ug/l #	66
6) Chloroethane	1.44	64	9580	158.274	ug/l	91
7) Trichlorofluoromethane	1.55	101	25453	101.897	ug/l	98
8) Diethyl Ether	1.72	74	11845	313.392	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.91	101	14633	102.608	ug/l	99
10) Methyl Iodide	1.97	142	7701	32.768	ug/l #	86
11) Tert butyl alcohol	2.70	59	14736	1744.753	ug/l #	91
12) 1,1-Dichloroethene	1.88	96	8570	70.688	ug/l #	75
13) Acrolein	2.12	56	619	106.446	ug/l #	34
14) Allyl chloride	2.20	41	16089	150.231	ug/l	93
15) Acrylonitrile	3.09	53	9371	585.734	ug/l #	93
16) Acetone	2.35	43	33318	1102.132	ug/l	98
17) Carbon Disulfide	1.91	76	9780	36.996	ug/l	97
18) Methyl Acetate	2.47	43	17367	332.725	ug/l	94
19) Methyl tert-butyl Ether	2.56	73	100022	399.667	ug/l	96
20) Methylene Chloride	2.30	84	26873	245.699	ug/l	88
21) trans-1,2-Dichloroethene	2.44	96	7539	65.268	ug/l	83
22) Diisopropyl ether	2.95	45	101023	301.817	ug/l	99
23) Vinyl Acetate	3.35	43	251	1.683	ug/l #	79
24) 1,1-Dichloroethane	3.02	63	36323	179.554	ug/l	99
25) 2-Butanone	4.54	43	3439	90.549	ug/l #	83
26) 2,2-Dichloropropane	3.79	77	9145	80.950	ug/l	96
27) cis-1,2-Dichloroethene	3.66	96	15096	104.552	ug/l	94
28) Bromochloromethane	3.93	49	21836	238.006	ug/l #	97
29) Tetrahydrofuran	4.28	42	26421	1513.649	ug/l	91
30) Chloroform	4.07	83	43302	158.440	ug/l	85
31) Cyclohexane	3.92	56	4206	26.048	ug/l #	91
32) 1,1,1-Trichloroethane	4.30	97	25007	106.760	ug/l	99
36) 1,1-Dichloropropene	4.49	75	4243	20.328	ug/l #	90
37) Ethyl Acetate	4.29	43	7773	101.007	ug/l #	91
38) Carbon Tetrachloride	4.20	117	11059	51.144	ug/l	89

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

39) Methylcyclohexane	5.67	83	3081	14.718	ug/l #	67
40) Benzene	4.84	78	31301	68.100	ug/l	90
41) Methacrylonitrile	4.92	41	1185	23.677	ug/l #	17
42) 1,2-Dichloroethane	5.15	62	30723	159.820	ug/l	100
43) Isopropyl Acetate	7.19	43	542	5.709	ug/l #	70
44) Trichloroethene	5.70	130	5359	31.739	ug/l	90
45) 1,2-Dichloropropane	6.42	63	12502	120.087	ug/l	98
46) Dibromomethane	6.28	93	10739	124.411	ug/l	94
47) Bromodichloromethane	6.57	83	25270	117.093	ug/l #	99
48) Methyl methacrylate	6.91	41	3337	49.737	ug/l	93
49) 1,4-Dioxane	6.89	88	3793	5556.322	ug/l #	76
51) 4-Methyl-2-Pentanone	8.42	43	18974	263.746	ug/l	99
52) Toluene	7.80	92	9611	33.895	ug/l	88
53) t-1,3-Dichloropropene	8.44	75	7242	44.368	ug/l	94
54) cis-1,3-Dichloropropene	7.47	75	5609	29.527	ug/l	95
55) 1,1,2-Trichloroethane	8.66	97	13300	147.755	ug/l #	82
56) Ethyl methacrylate	8.76	69	257	2.705	ug/l #	1
57) 1,3-Dichloropropane	9.00	76	15861	116.654	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.46	63	8658	303.079	ug/l	97
59) 2-Hexanone	9.65	43	1733	34.831	ug/l	83
60) Dibromochloromethane	8.87	129	15752	106.997	ug/l	94
61) 1,2-Dibromoethane	9.15	107	8262	78.095	ug/l	93
64) Tetrachloroethene	8.32	164	3005	30.639	ug/l #	87
65) Chlorobenzene	9.95	112	8531	42.679	ug/l #	80
66) 1,1,1,2-Tetrachloroethane	10.08	131	16218	160.834	ug/l	96
67) Ethyl Benzene	10.05	91	12932	36.946	ug/l	99
68) m/p-Xylenes	10.27	106	8110	62.798	ug/l	98
69) o-Xylene	10.83	106	6590	47.223	ug/l	96
70) Styrene	10.90	104	7011	33.522	ug/l #	89
71) Bromoform	10.89	173	9099	164.706	ug/l #	99
73) Isopropylbenzene	11.23	105	12535	49.483	ug/l	90
74) N-amyl acetate	11.48	43	584	10.738	ug/l #	59
75) 1,1,2,2-Tetrachloroethane	11.78	83	19766	498.341	ug/l	89
76) 1,2,3-Trichloropropane	11.88	75	13738	453.987	ug/l #	100
77) Bromobenzene	11.60	156	6179	92.941	ug/l	80
78) n-propylbenzene	11.68	91	7746	28.721	ug/l	99
79) 2-Chlorotoluene	11.81	91	9880	58.913	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	10198	45.930	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.95	75	746	65.584	ug/l #	33
82) 4-Chlorotoluene	11.98	91	6175	37.281	ug/l	99
83) tert-Butylbenzene	12.21	119	16340	70.025	ug/l	79
84) 1,2,4-Trimethylbenzene	12.28	105	9650	44.412	ug/l	100
85) sec-Butylbenzene	12.37	105	8153	28.705	ug/l	99
86) p-Isopropyltoluene	12.52	119	7184	27.224	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	5494	45.248	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	4759	40.609	ug/l	99
89) n-Butylbenzene	12.91	91	3207	13.660	ug/l	92
90) Hexachloroethane	12.98	117	2515	38.171	ug/l	99
91) 1,2-Dichlorobenzene	13.00	146	7210	61.349	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	13.69	75	2494	280.670	ug/l	95

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

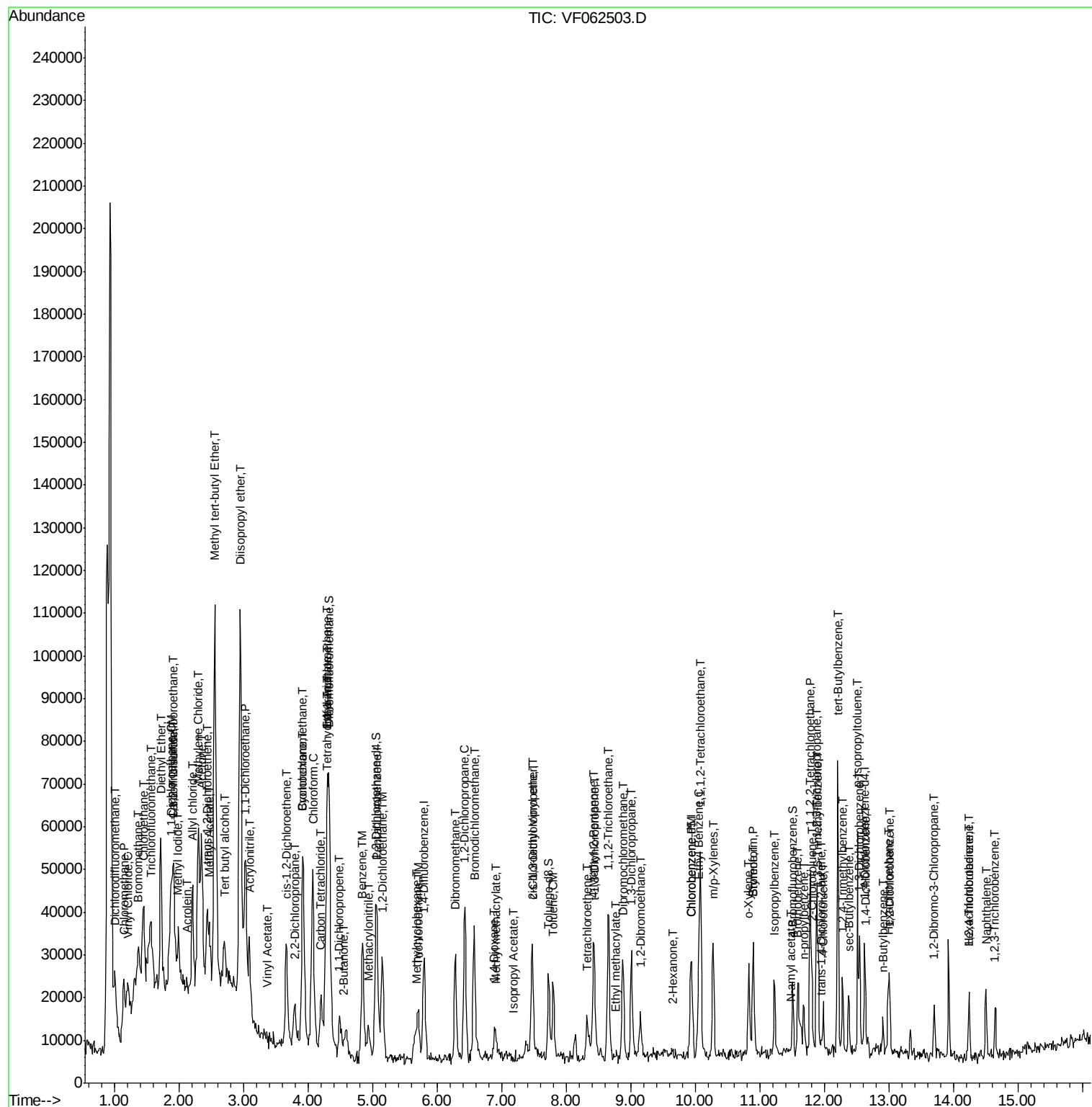
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	2915	27.653	ug/l	95
94) Hexachlorobutadiene	14.24	225	1927	24.526	ug/l	96
95) Naphthalene	14.50	128	8443	53.274	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	3516	34.428	ug/l	82

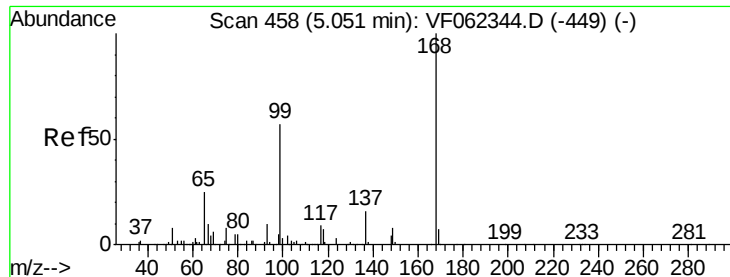
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.02 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

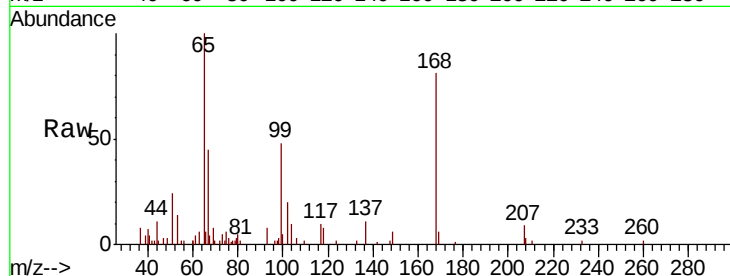
P026-SS012-0002-01MSD

Tot Ion:168 Resp: 15813

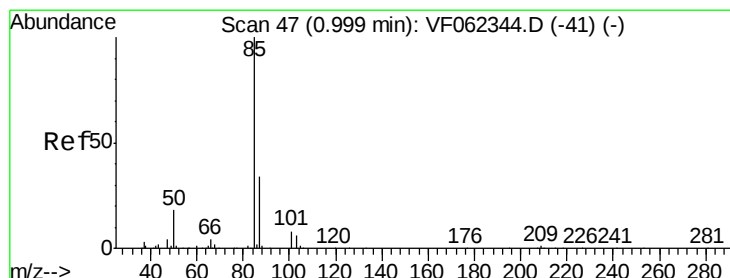
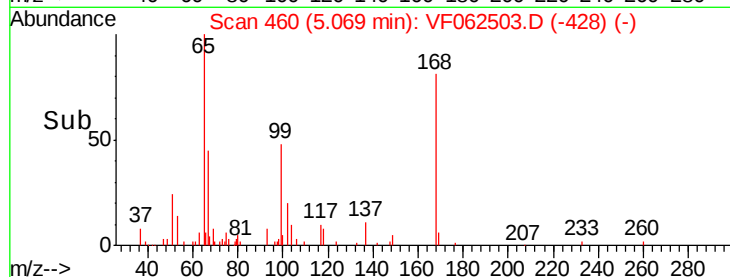
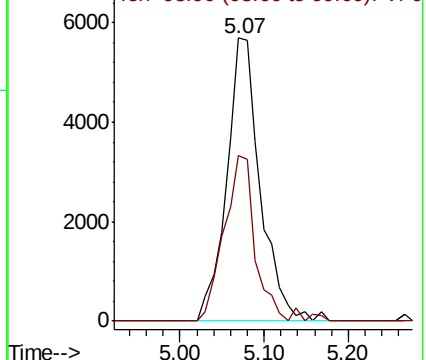
Ion Ratio Lower Upper

168 100

99 58.5 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0



#2

Dichlorodifluoromethane

Concen: 120.999 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF062503.D

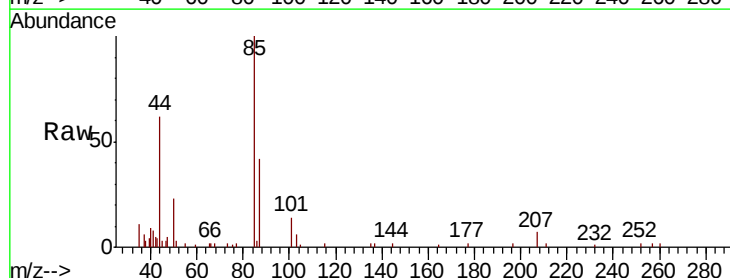
Acq: 12 May 2019 15:17

Tgt Ion: 85 Resp: 22144

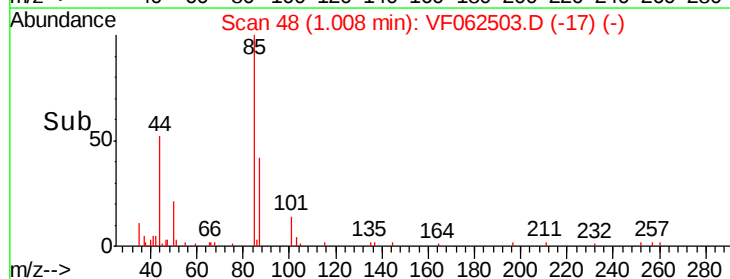
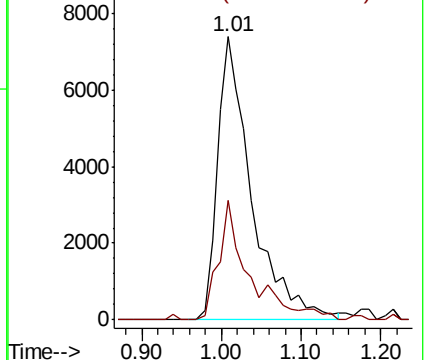
Ion Ratio Lower Upper

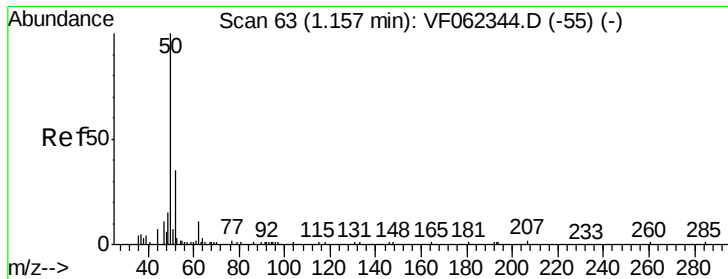
85 100

87 42.1 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VF0





#3

Chloromethane

Concen: 118.020 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

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ClientSampleId :

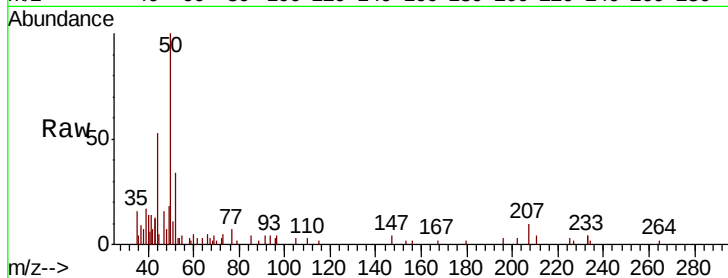
P026-SS012-0002-01MSD

Tot Ion: 50 Resp: 14245

Ion Ratio Lower Upper

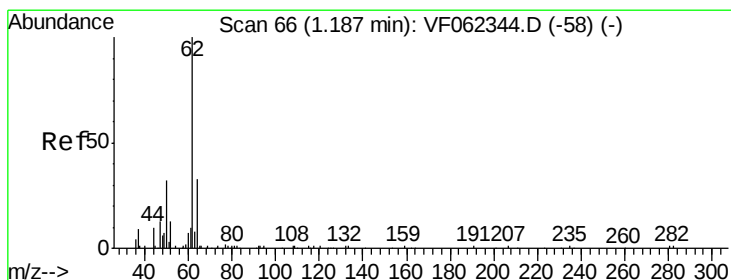
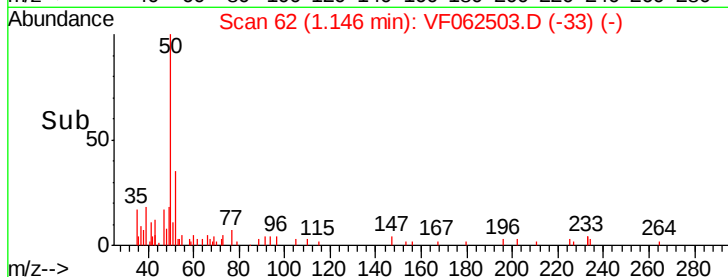
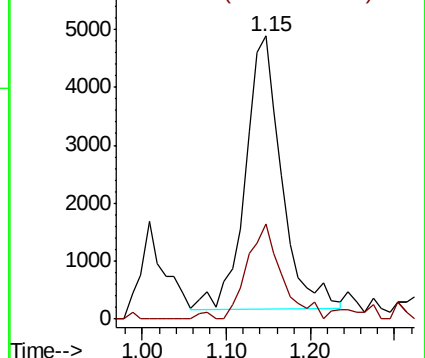
50 100

52 35.2 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VF0

Ion 51.90 (51.60 to 52.60): VF0



#4

Vinyl Chloride

Concen: 86.808 ug/l

RT: 1.20 min Scan# 67

Delta R.T. 0.01 min

Lab File: VF062503.D

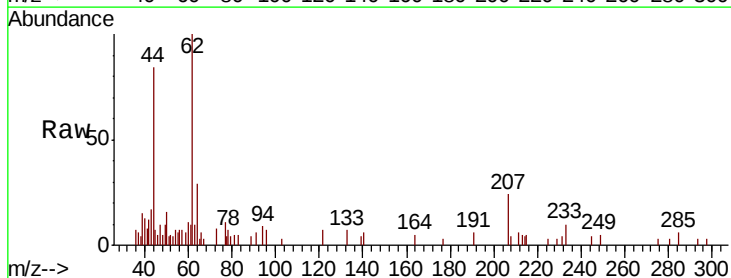
Acq: 12 May 2019 15:17

Tgt Ion: 62 Resp: 10451

Ion Ratio Lower Upper

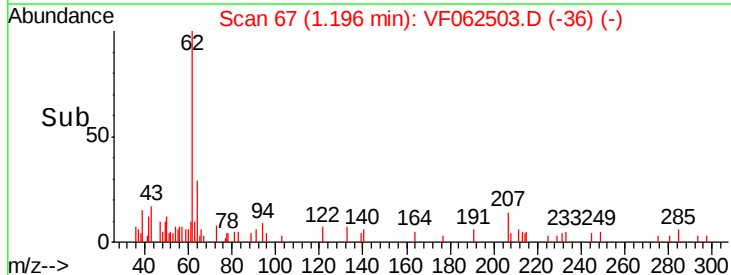
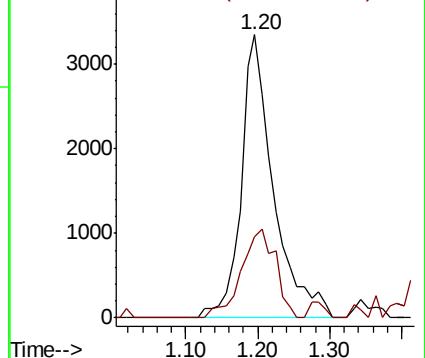
62 100

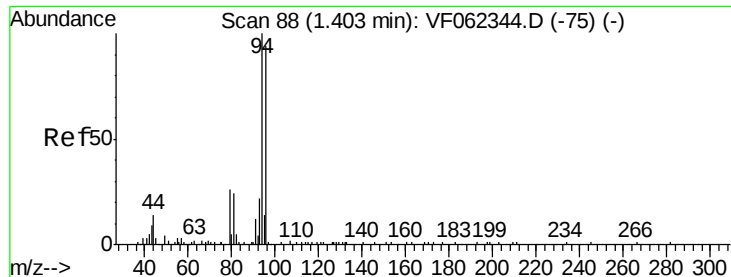
64 28.6 26.1 39.1



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 63.90 (63.60 to 64.60): VF0





#5

Bromomethane

Concen: 88.709 ug/l

RT: 1.38 min Scan# 86

Delta R.T. -0.02 min

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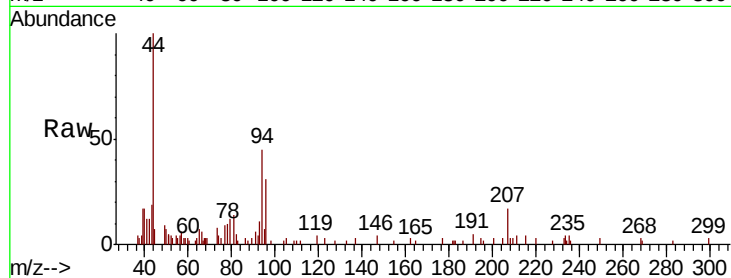
P026-SS012-0002-01MSD

Tot Ion: 94 Resp: 7882

Ion Ratio Lower Upper

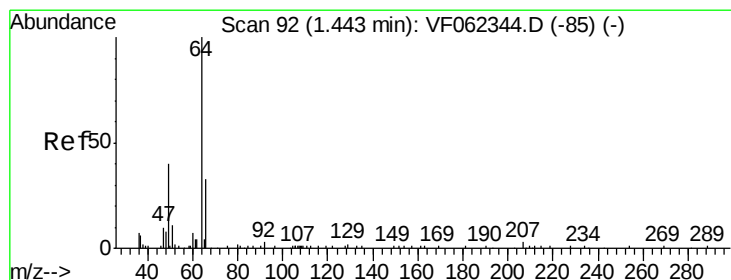
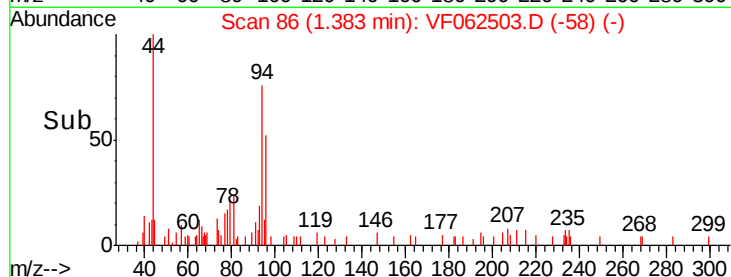
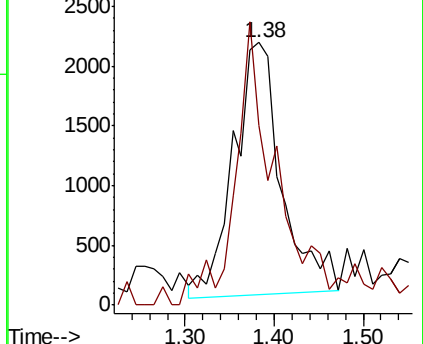
94 100

96 61.6 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: 158.274 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.00 min

Lab File: VF062503.D

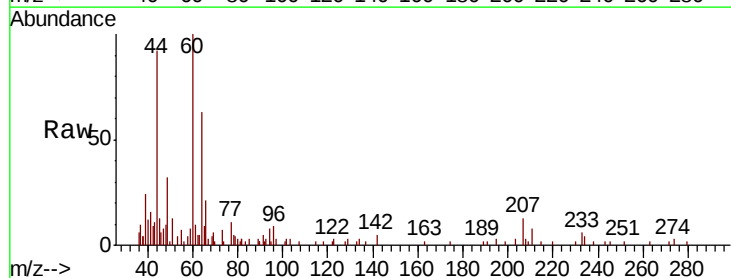
Acq: 12 May 2019 15:17

Tgt Ion: 64 Resp: 9580

Ion Ratio Lower Upper

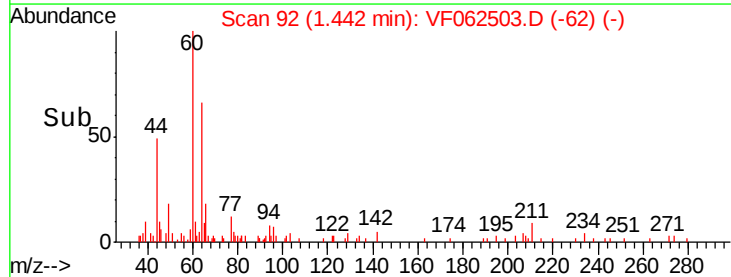
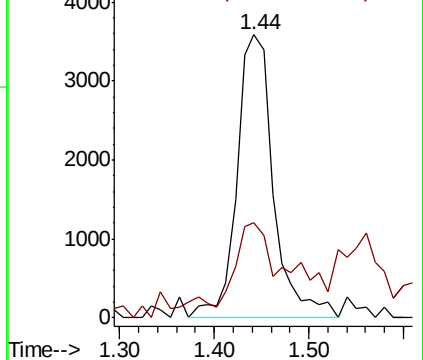
64 100

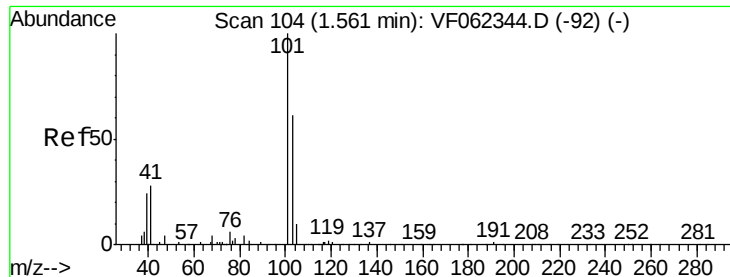
66 28.3 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VF0

Ion 65.90 (65.60 to 66.60): VF0



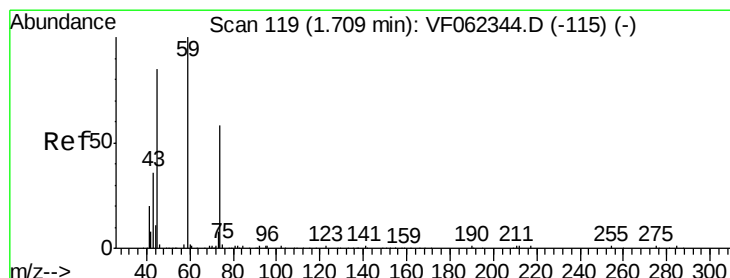
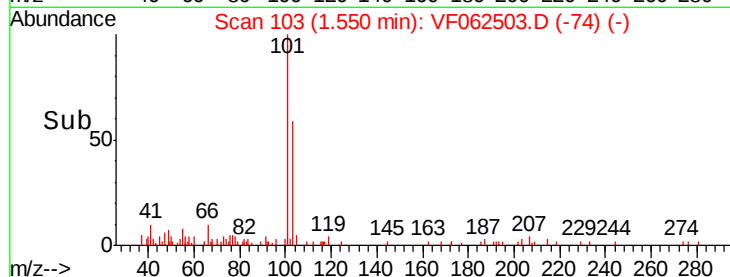
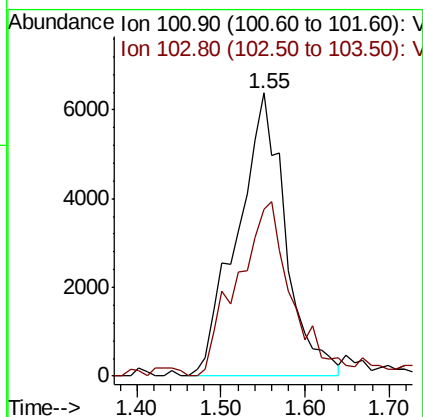
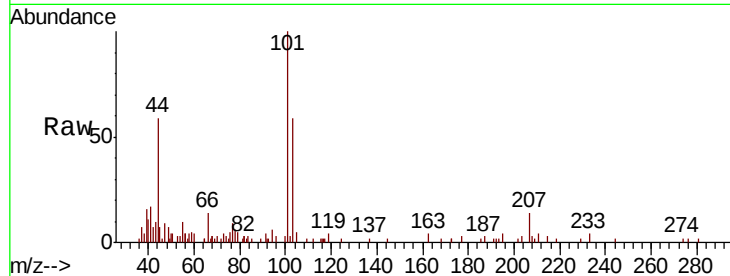


#7

Trichlorofluoromethane
 Concen: 101.897 ug/l
 RT: 1.55 min Scan# 103
 Delta R.T. -0.01 min
 Lab File: VF062503.D
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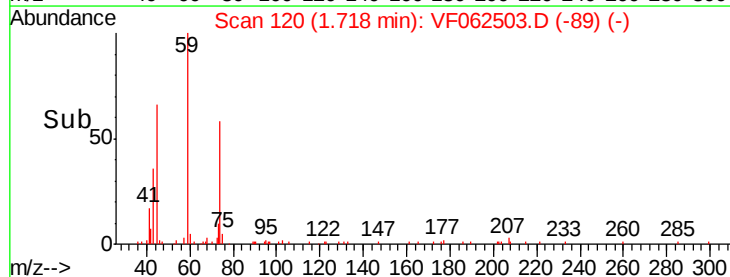
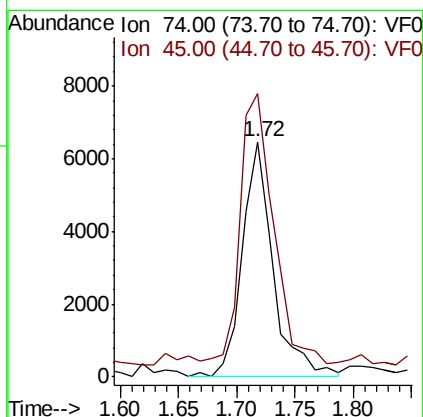
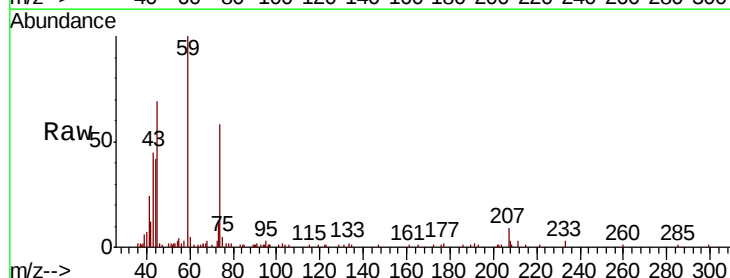
Tot Ion:101 Resp: 25453
 Ion Ratio Lower Upper
 101 100
 103 58.7 48.5 72.7

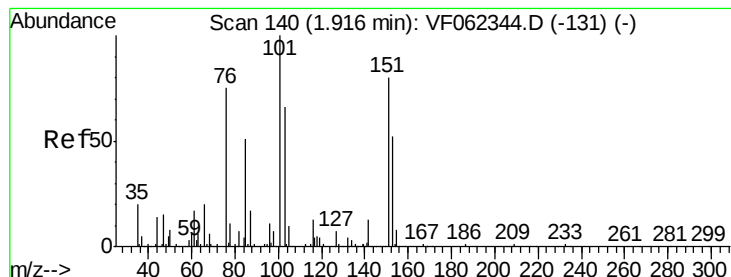


#8

Diethyl Ether
 Concen: 313.392 ug/l
 RT: 1.72 min Scan# 120
 Delta R.T. 0.01 min
 Lab File: VF062503.D
 Acq: 12 May 2019 15:17

Tgt Ion: 74 Resp: 11845
 Ion Ratio Lower Upper
 74 100
 45 128.9 73.9 221.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 102.608 ug/l

RT: 1.91 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

P026-SS012-0002-01MSD

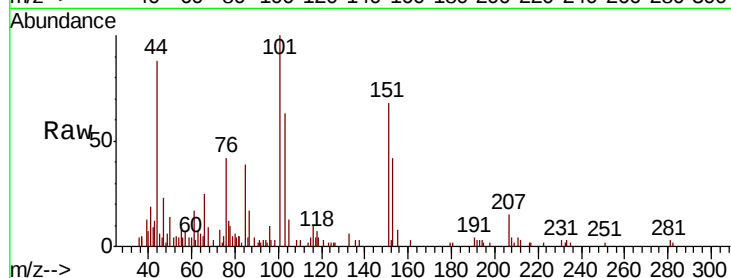
Tot Ion:101 Resp: 14633

Ion Ratio Lower Upper

101 100

85 49.9 39.5 59.3

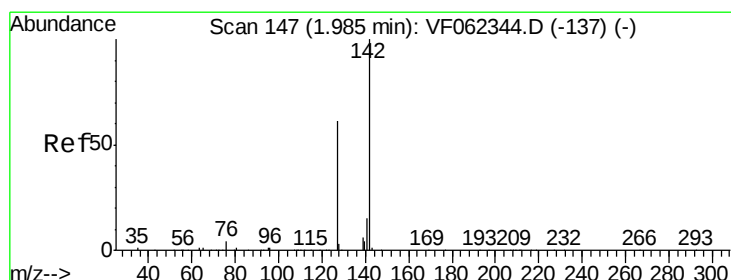
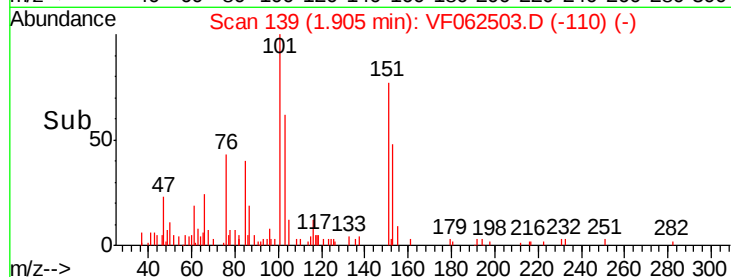
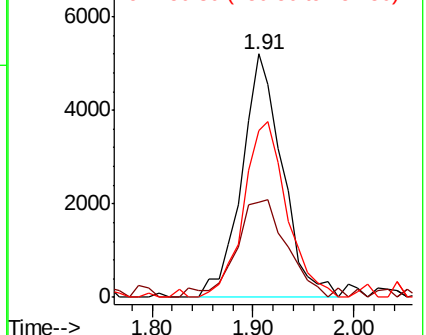
151 76.2 59.9 89.9



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: 32.768 ug/l

RT: 1.97 min Scan# 146

Delta R.T. -0.01 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

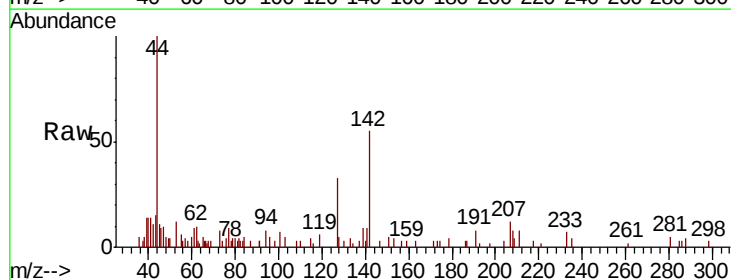
Tgt Ion:142 Resp: 7701

Ion Ratio Lower Upper

142 100

127 69.7 48.4 72.6

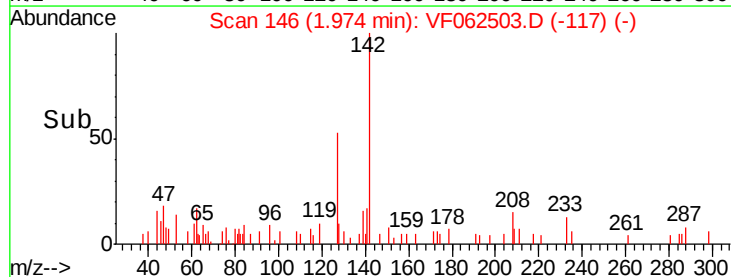
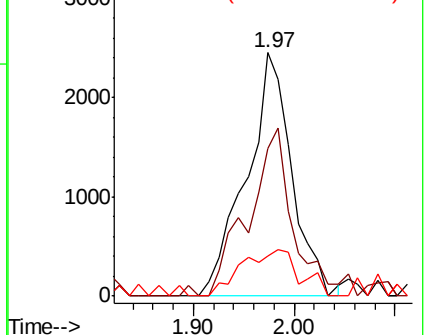
141 24.1 12.2 18.4#

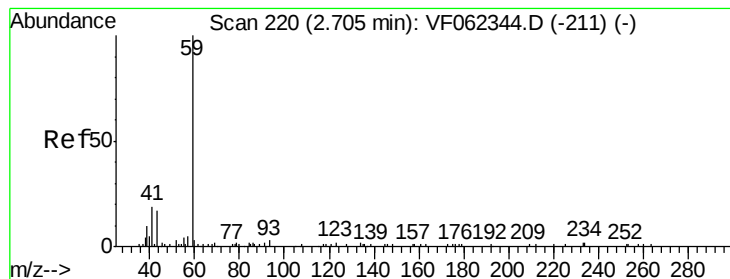


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



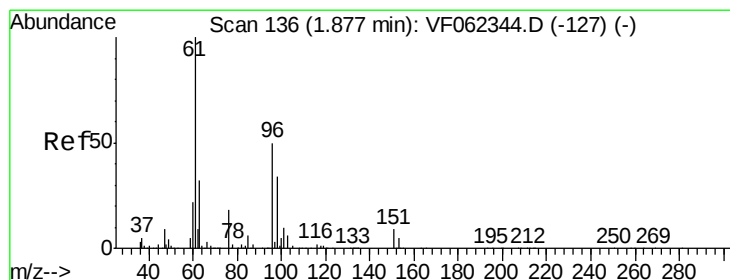
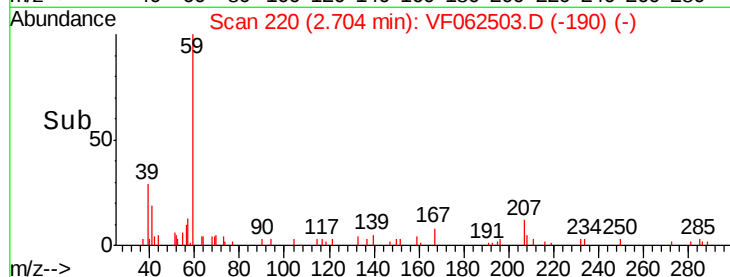
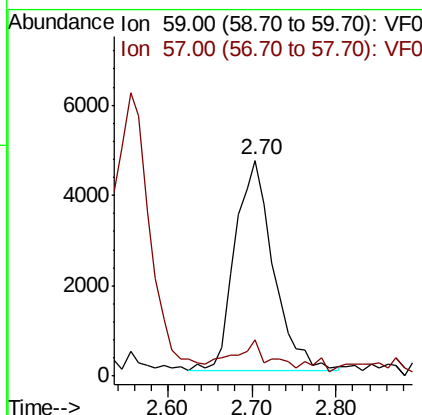
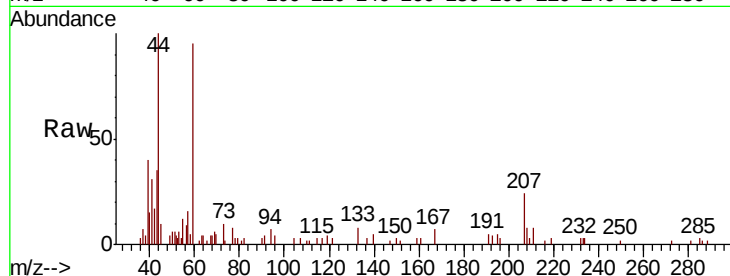


#11

Tert butyl alcohol
 Concen: 1744.753 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VF062503.D
 Acq: 12 May 2019 15:17

Instrument :
 MSVOA_F
 ClientSampleId :
 P026-SS012-0002-01MSD

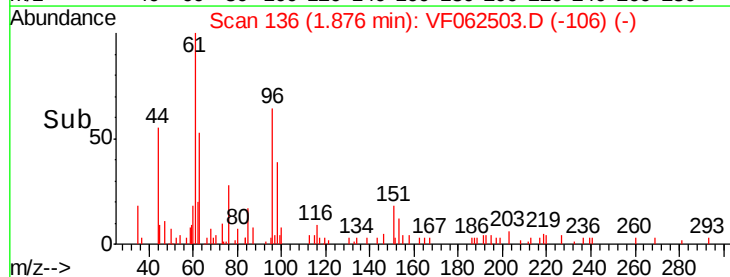
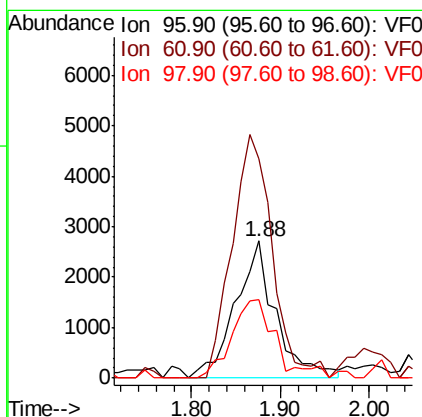
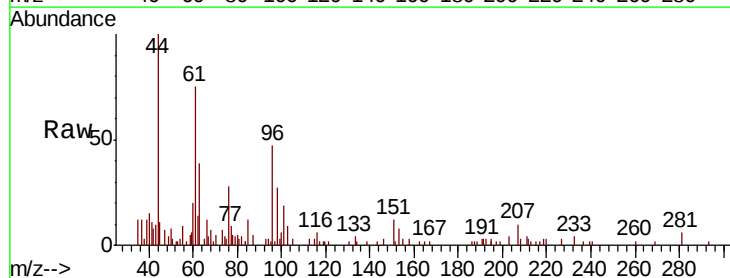
Tot Ion: 59 Resp: 14736
 Ion Ratio Lower Upper
 59 100
 57 14.9 9.3 13.9#

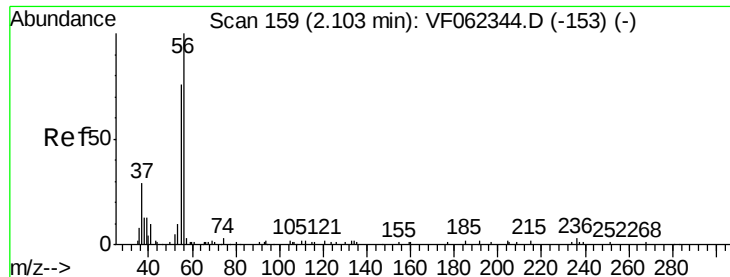


#12

1,1-Dichloroethene
 Concen: 70.688 ug/l
 RT: 1.88 min Scan# 136
 Delta R.T. -0.00 min
 Lab File: VF062503.D
 Acq: 12 May 2019 15:17

Tgt Ion: 96 Resp: 8570
 Ion Ratio Lower Upper
 96 100
 61 160.0 163.2 244.8#
 98 57.2 55.2 82.8





#13

Acrolein

Concen: 106.446 ug/l

RT: 2.12 min Scan# 161

Delta R.T. 0.02 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

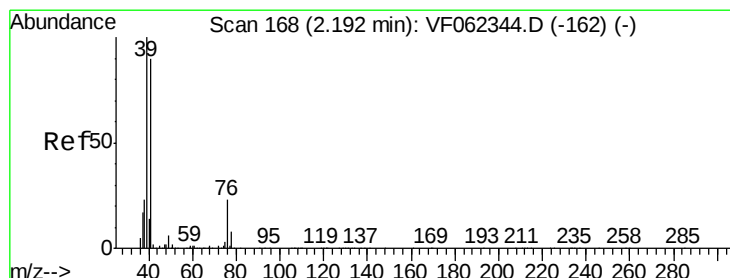
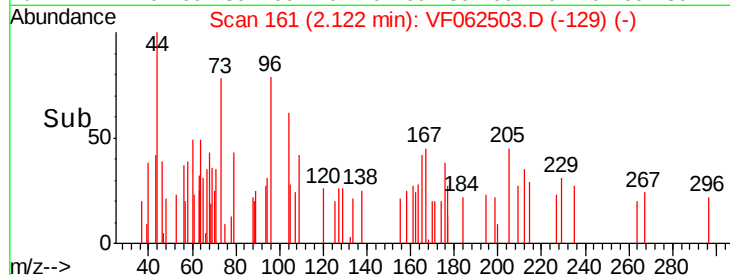
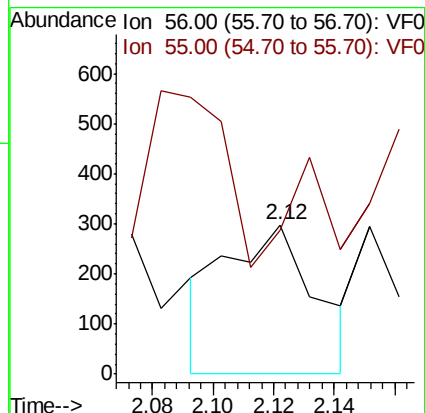
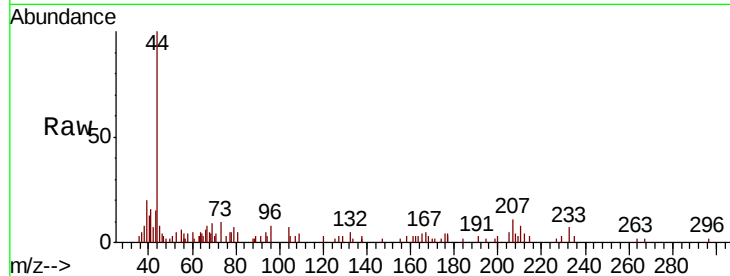
P026-SS012-0002-01MSD

Tot Ion: 56 Resp: 619

Ion Ratio Lower Upper

56 100

55 17.4 58.4 87.6#



#14

Allyl chloride

Concen: 150.231 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.01 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

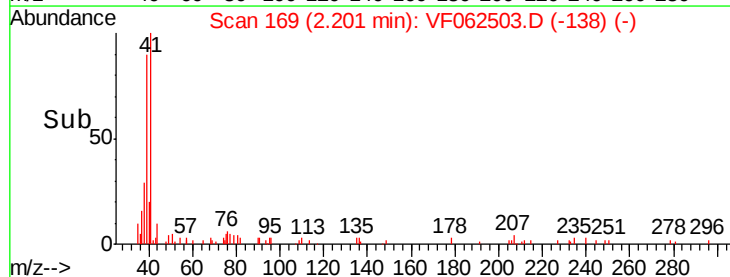
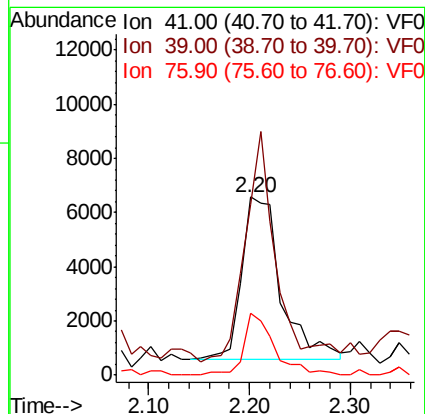
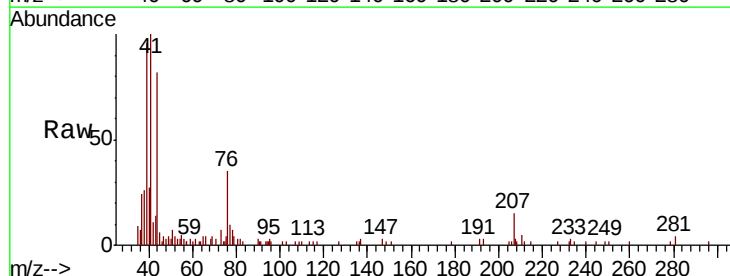
Tgt Ion: 41 Resp: 16089

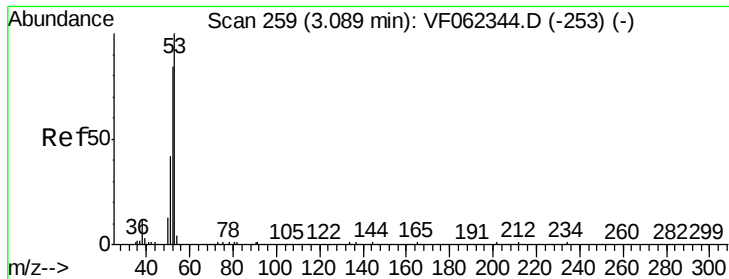
Ion Ratio Lower Upper

41 100

39 106.0 90.8 136.2

76 30.6 22.2 33.4





#15

Acrylonitrile

Concen: 585.734 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

P026-SS012-0002-01MSD

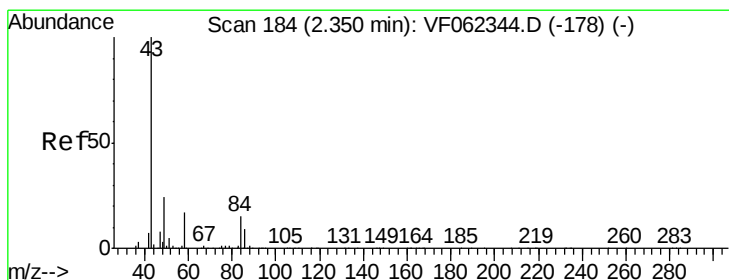
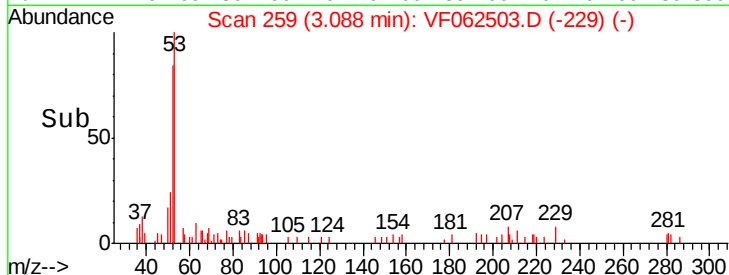
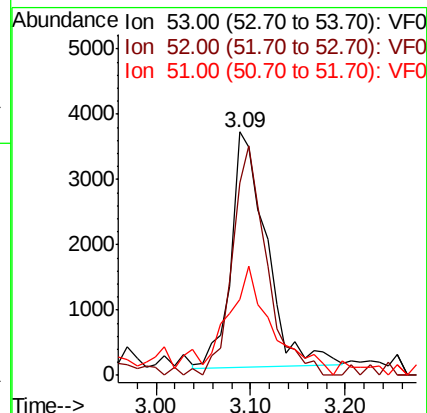
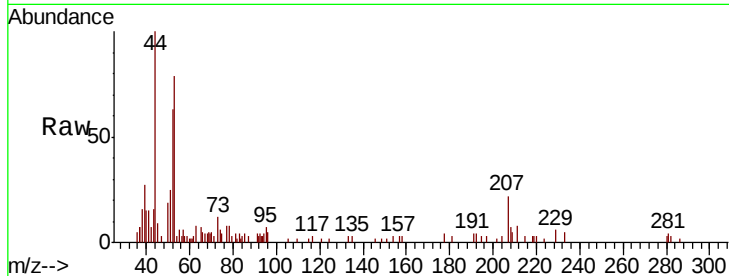
Tot Ion: 53 Resp: 9371

Ion Ratio Lower Upper

53 100

52 94.5 77.2 115.8

51 62.7 40.6 61.0#



#16

Acetone

Concen: 1102.132 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.00 min

Lab File: VF062503.D

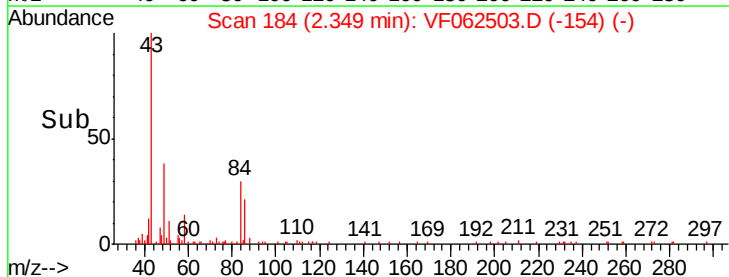
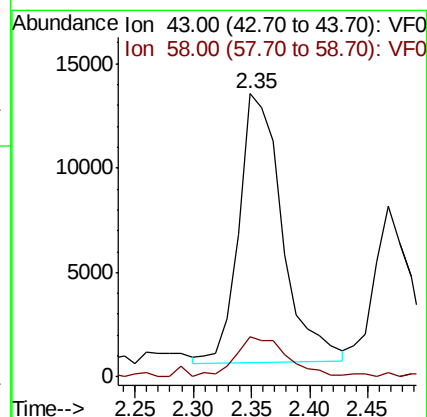
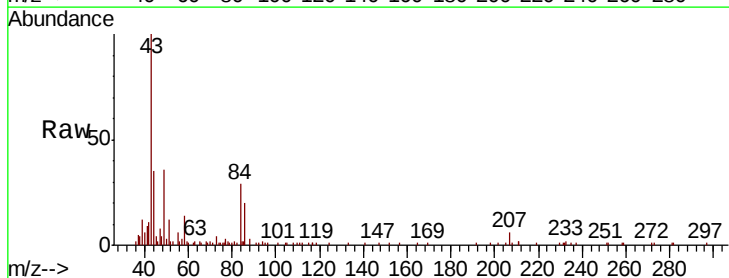
Acq: 12 May 2019 15:17

Tgt Ion: 43 Resp: 33318

Ion Ratio Lower Upper

43 100

58 15.5 13.1 19.7

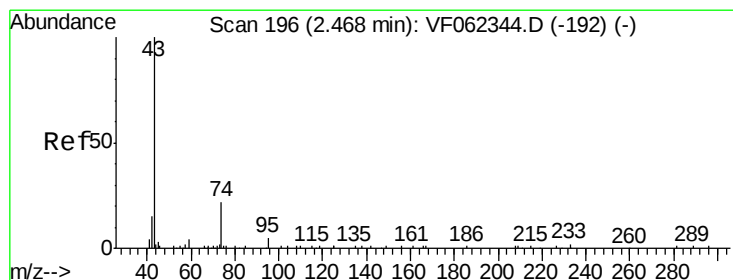
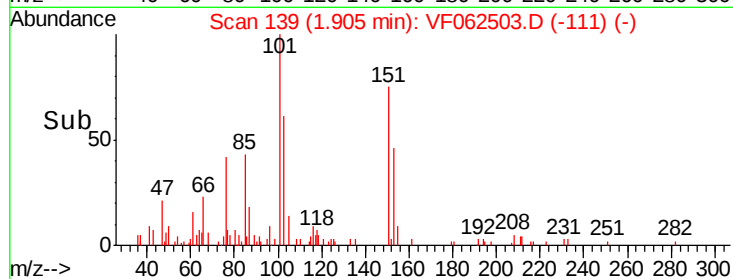
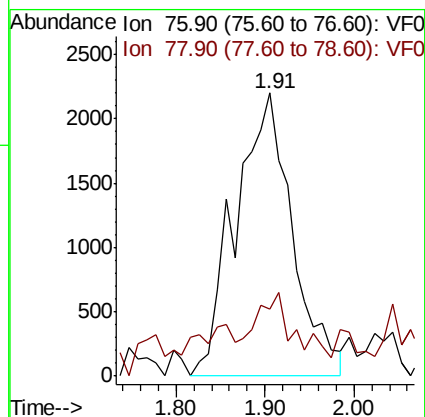
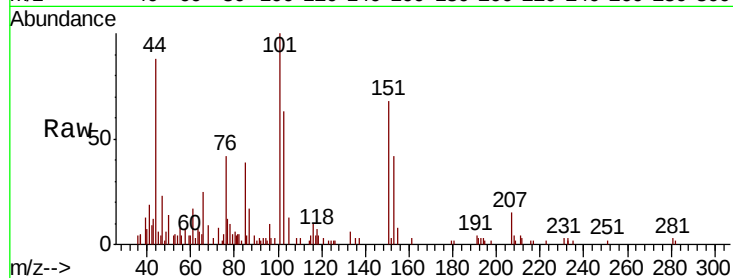




#17
Carbon Disulfide
Concen: 36.996 ug/l
RT: 1.91 min Scan# 139
Delta R.T. -0.02 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

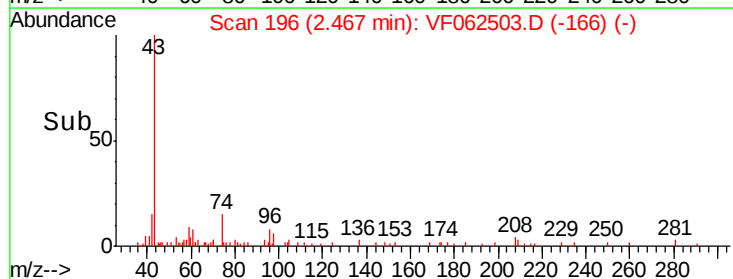
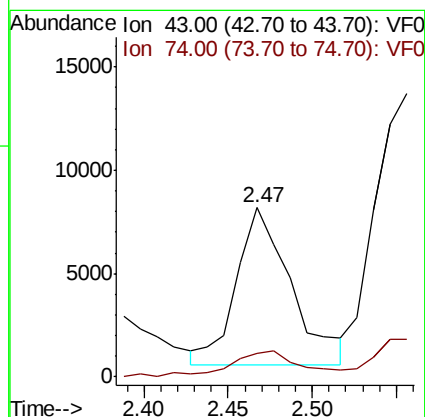
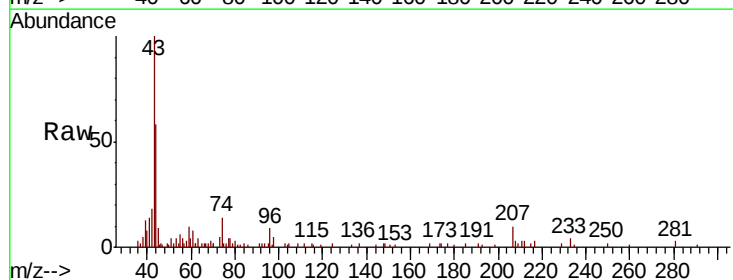
Instrument :
MSVOA_F
ClientSampleId :
P026-SS012-0002-01MSD

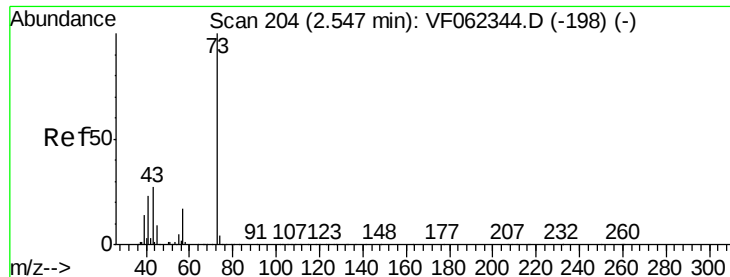
Tot Ion: 76 Resp: 9780
Ion Ratio Lower Upper
76 100
78 10.0 9.0 13.4



#18
Methyl Acetate
Concen: 332.725 ug/l
RT: 2.47 min Scan# 196
Delta R.T. -0.00 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

Tgt Ion: 43 Resp: 17367
Ion Ratio Lower Upper
43 100
74 21.5 15.0 22.4



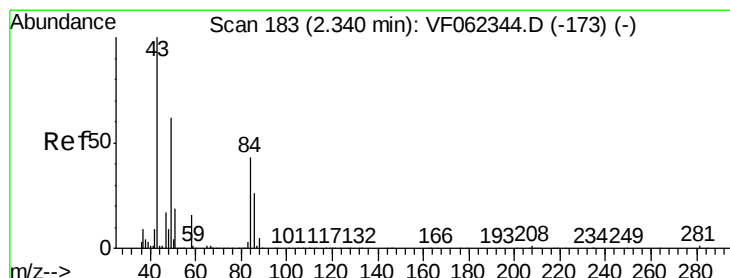
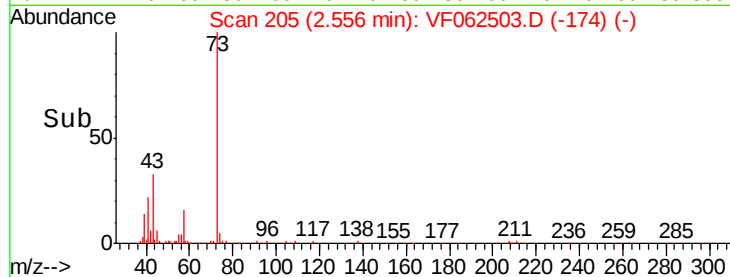
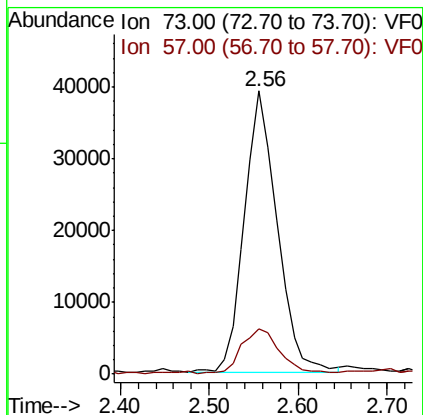
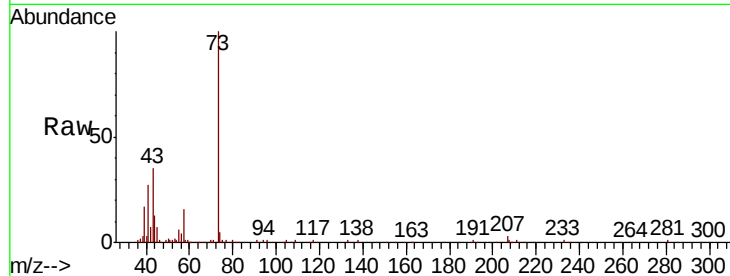


#19

Methyl tert-butyl Ether
 Concen: 399.667 ug/l
 RT: 2.56 min Scan# 205
 Delta R.T. 0.01 min
 Lab File: VF062503.D
 Acq: 12 May 2019 15:17

Instrument :
 MSVOA_F
 ClientSampleId :
 P026-SS012-0002-01MSD

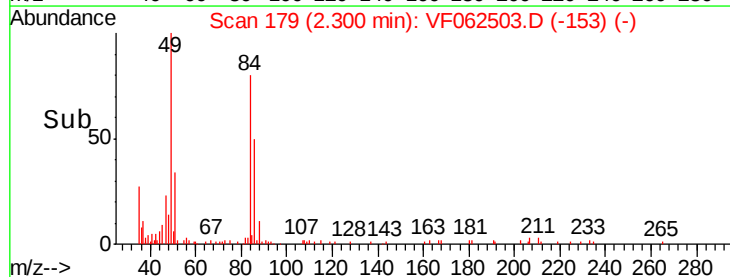
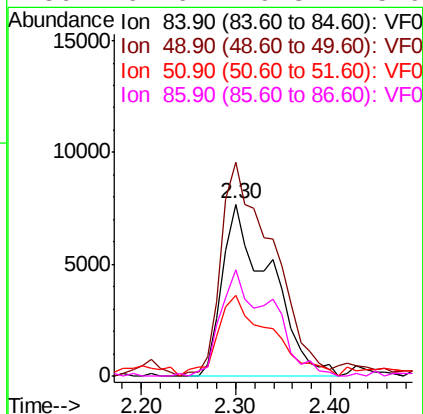
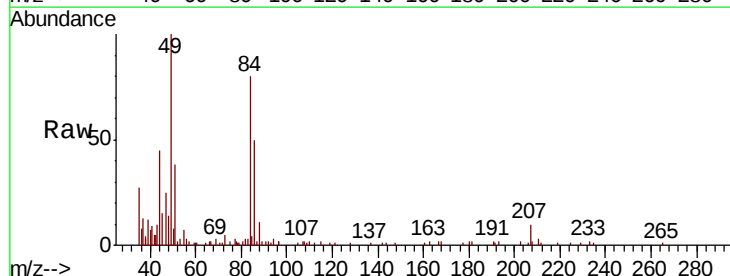
Tot Ion: 73 Resp: 100022
 Ion Ratio Lower Upper
 73 100
 57 15.3 13.7 20.5

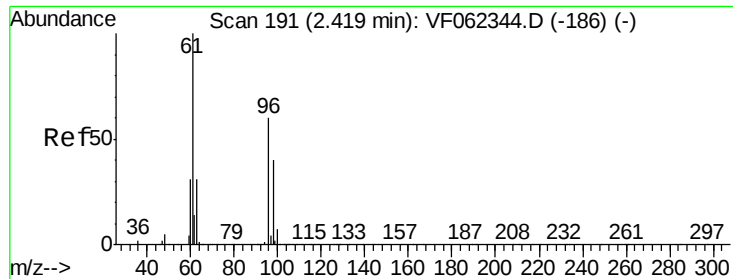


#20

Methylene Chloride
 Concen: 245.699 ug/l
 RT: 2.30 min Scan# 179
 Delta R.T. -0.04 min
 Lab File: VF062503.D
 Acq: 12 May 2019 15:17

Tgt Ion: 84 Resp: 26873
 Ion Ratio Lower Upper
 84 100
 49 122.2 117.5 176.3
 51 46.8 37.0 55.4
 86 61.6 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 65.268 ug/l

RT: 2.44 min Scan# 193

Delta R.T. 0.02 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

P026-SS012-0002-01MSD

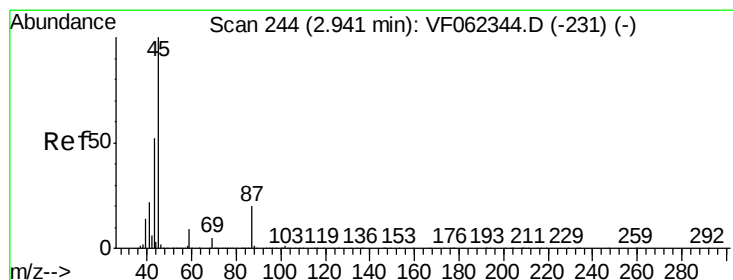
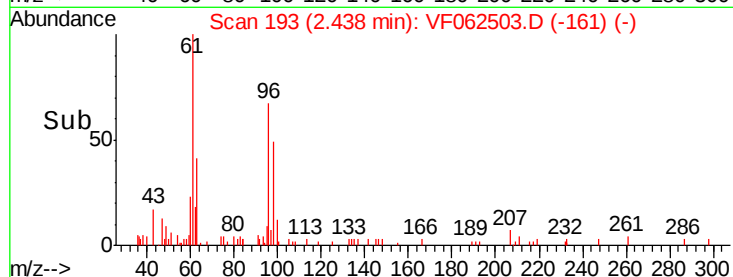
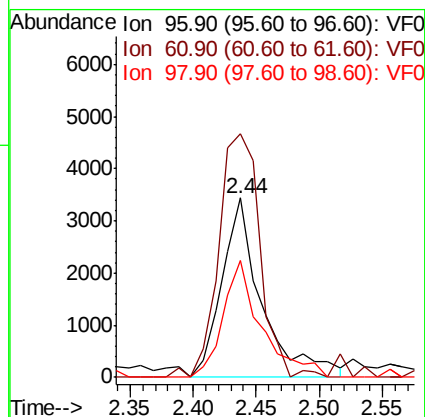
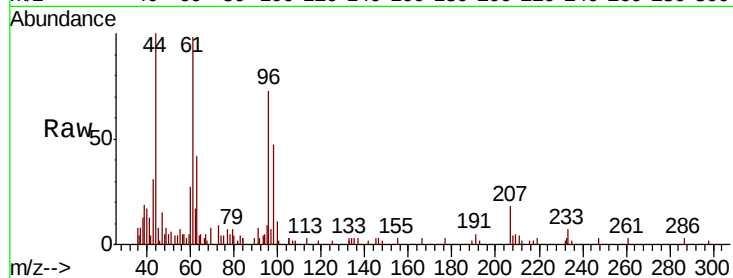
Tot Ion: 96 Resp: 7539

Ion Ratio Lower Upper

96 100

61 135.6 133.2 199.8

98 64.9 53.1 79.7



#22

Diisopropyl ether

Concen: 301.817 ug/l

RT: 2.95 min Scan# 245

Delta R.T. 0.01 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Tgt Ion: 45 Resp: 101023

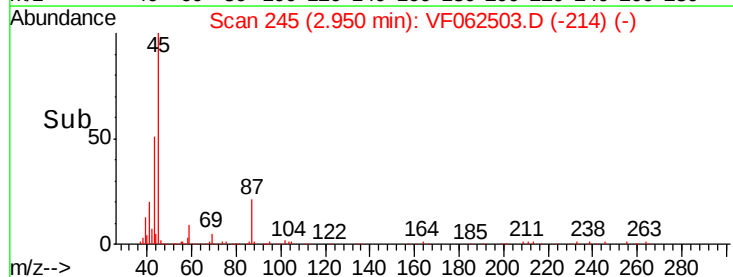
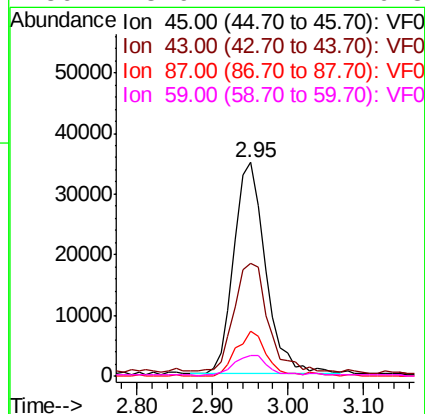
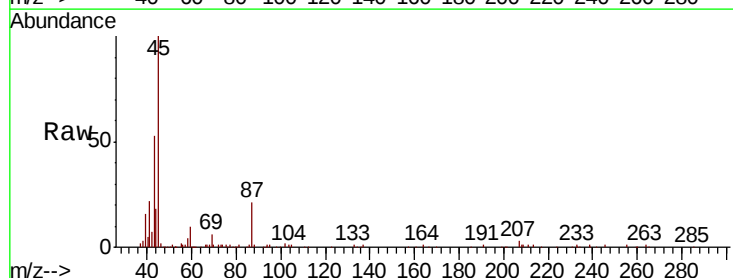
Ion Ratio Lower Upper

45 100

43 51.3 41.4 62.0

87 21.0 15.8 23.6

59 8.9 7.2 10.8

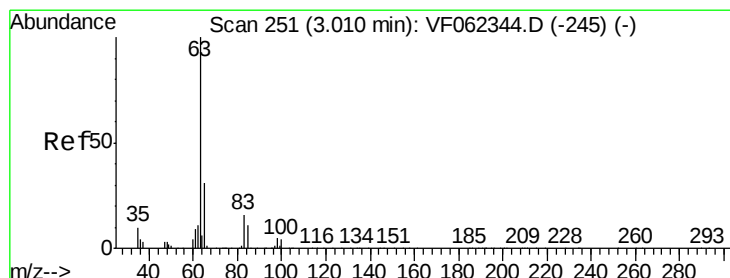
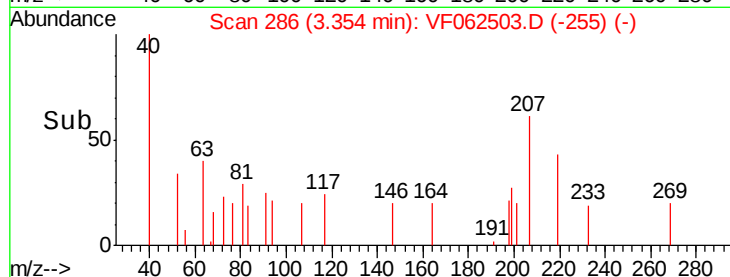
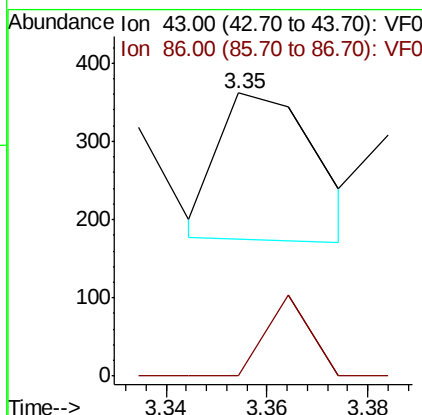
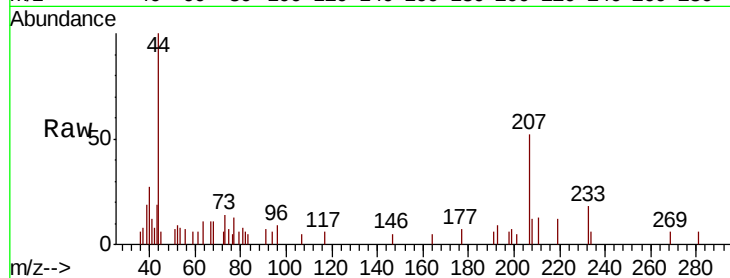




#23
 Vinyl Acetate
 Concen: 1.683 ug/l
 RT: 3.35 min Scan# 286
 Delta R.T. 0.01 min
 Lab File: VF062503.D
 Acq: 12 May 2019 15:17

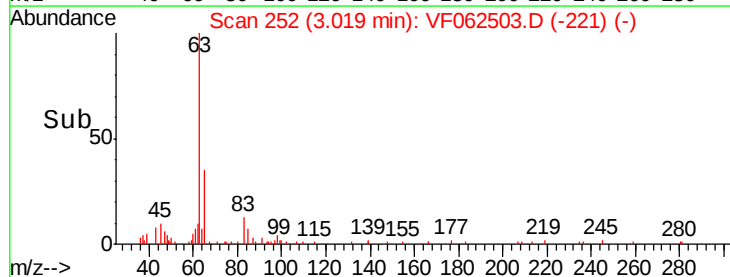
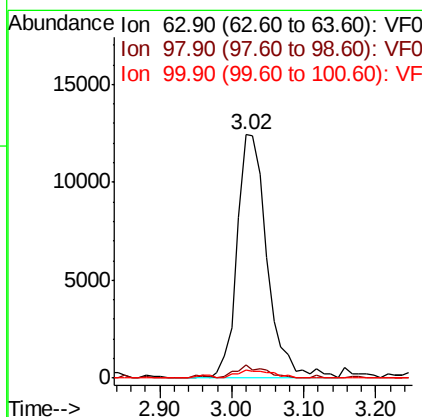
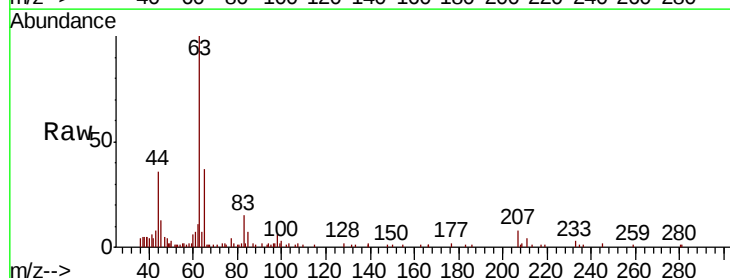
Instrument :
 MSVOA_F
 ClientSampleId :
 P026-SS012-0002-01MSD

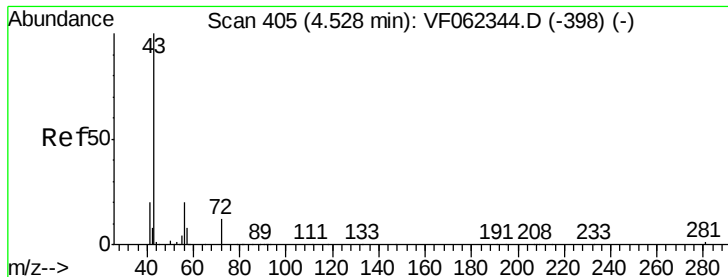
Tot Ion: 43 Resp: 251
 Ion Ratio Lower Upper
 43 100
 86 0.0 5.7 8.5#



#24
 1,1-Dichloroethane
 Concen: 179.554 ug/l
 RT: 3.02 min Scan# 252
 Delta R.T. 0.01 min
 Lab File: VF062503.D
 Acq: 12 May 2019 15:17

Tgt Ion: 63 Resp: 36323
 Ion Ratio Lower Upper
 63 100
 98 5.7 2.6 8.0
 100 3.1 1.8 5.4





#25

2-Butanone

Concen: 90.549 ug/l

RT: 4.54 min Scan# 406

Delta R.T. 0.01 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

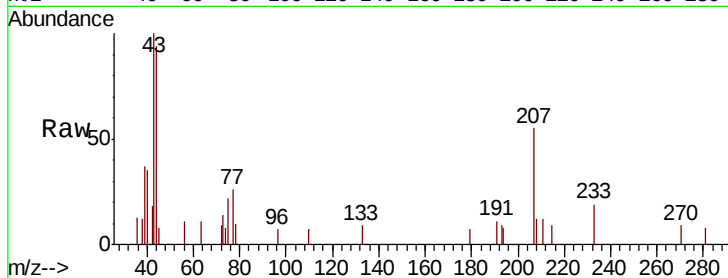
P026-SS012-0002-01MSD

Tot Ion: 43 Resp: 3439

Ion Ratio Lower Upper

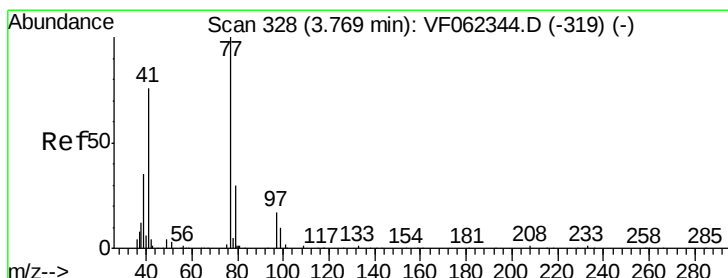
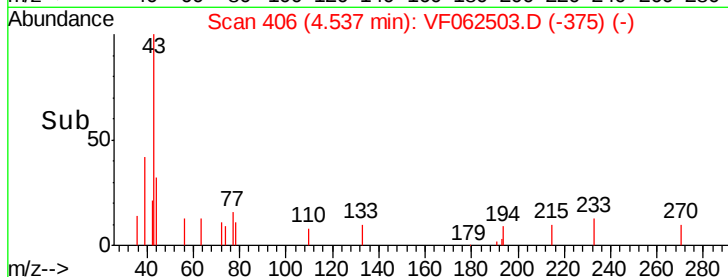
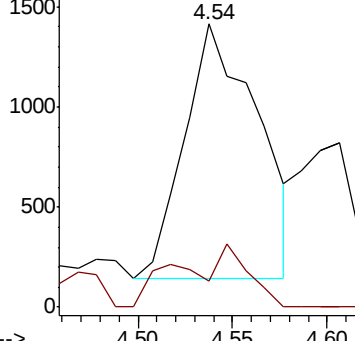
43 100

72 10.4 14.2 21.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 80.950 ug/l

RT: 3.79 min Scan# 330

Delta R.T. 0.02 min

Lab File: VF062503.D

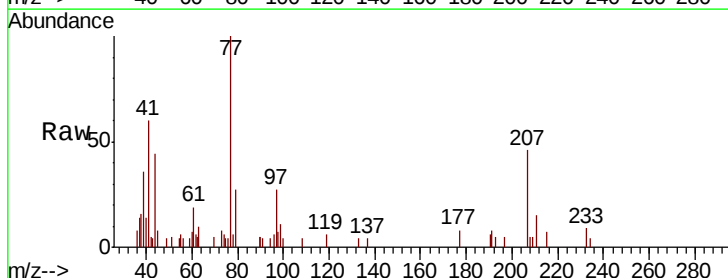
Acq: 12 May 2019 15:17

Tgt Ion: 77 Resp: 9145

Ion Ratio Lower Upper

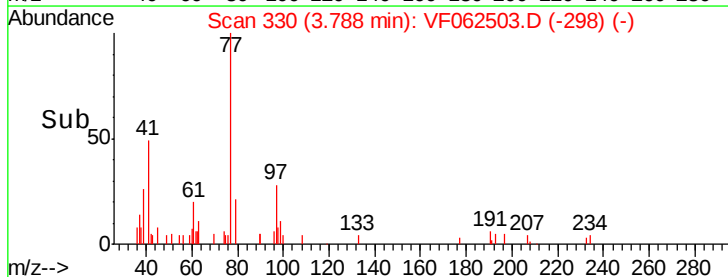
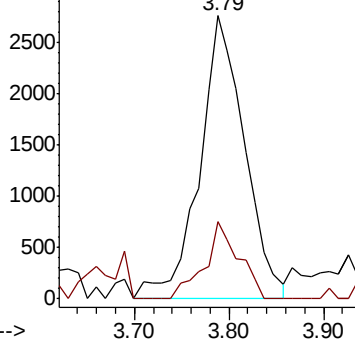
77 100

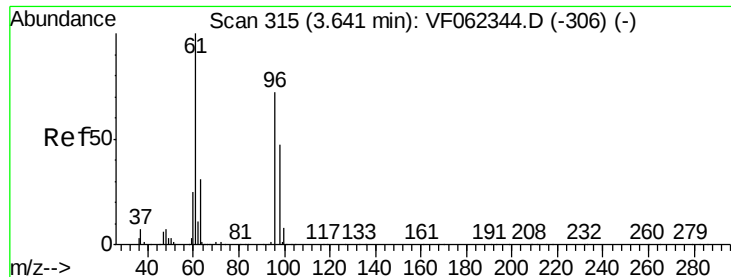
97 20.6 9.5 28.5



Abundance Ion 76.90 (76.60 to 77.60): VF0

Ion 96.90 (96.60 to 97.60): VF0



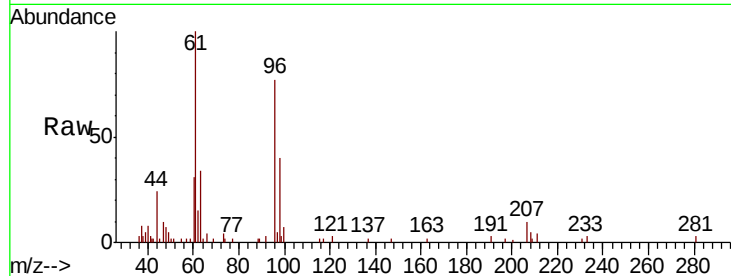


#27

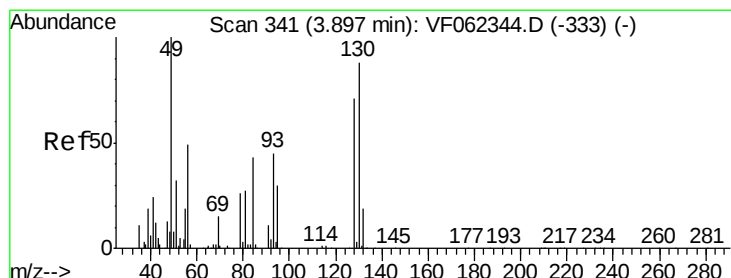
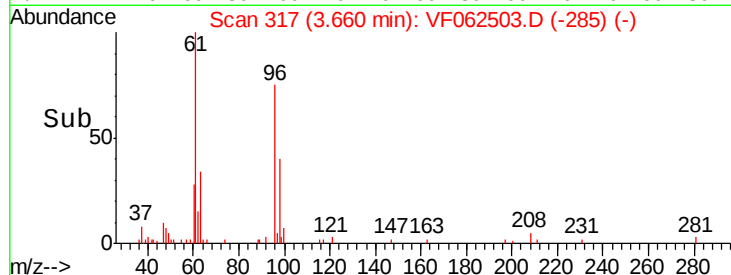
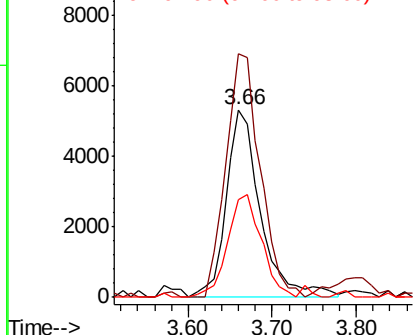
cis-1,2-Dichloroethene
 Concen: 104.552 ug/l
 RT: 3.66 min Scan# 317
 Delta R.T. 0.02 min
 Lab File: VF062503.D
 Acq: 12 May 2019 15:17

Instrument :
 MSVOA_F
 ClientSampleId :
 P026-SS012-0002-01MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.0	0.0	263.0
98	54.0	0.0	130.8



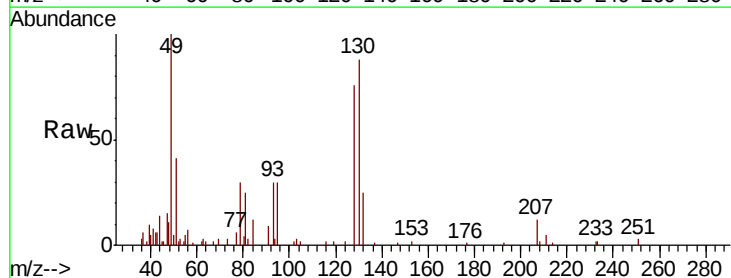
Abundance Ion 95.90 (95.60 to 96.60): VF0
 Ion 60.90 (60.60 to 61.60): VF0
 Ion 97.90 (97.60 to 98.60): VF0



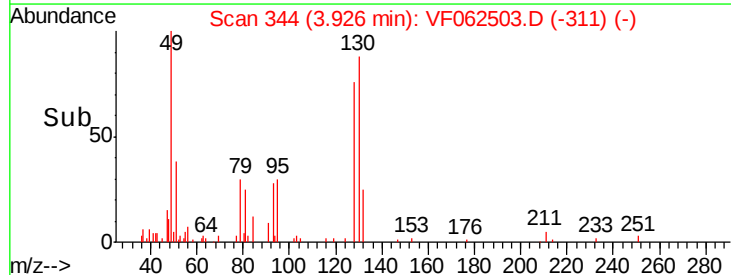
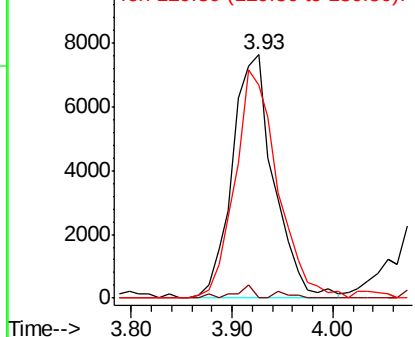
#28

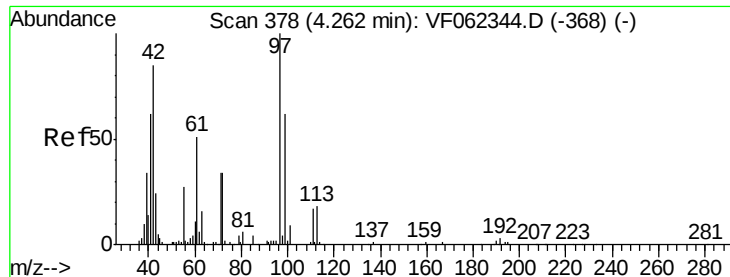
Bromochloromethane
 Concen: 238.006 ug/l
 RT: 3.93 min Scan# 344
 Delta R.T. 0.03 min
 Lab File: VF062503.D
 Acq: 12 May 2019 15:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	2.2#
130	96.5	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: 1513.649 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.02 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

P026-SS012-0002-01MSD

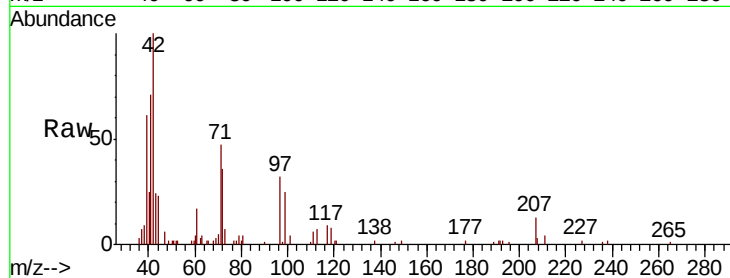
Tot Ion: 42 Resp: 26421

Ion Ratio Lower Upper

42 100

72 44.9 31.4 47.0

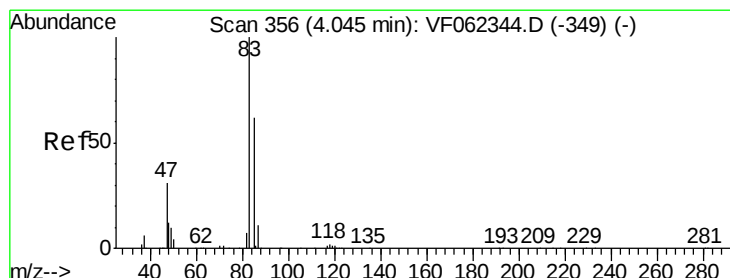
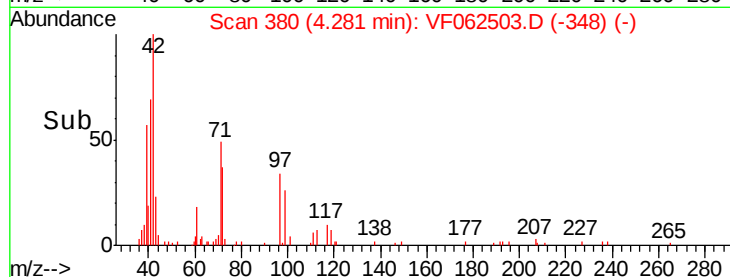
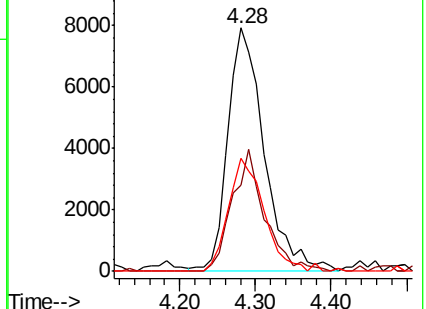
71 45.2 31.7 47.5



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: 158.440 ug/l

RT: 4.07 min Scan# 359

Delta R.T. 0.03 min

Lab File: VF062503.D

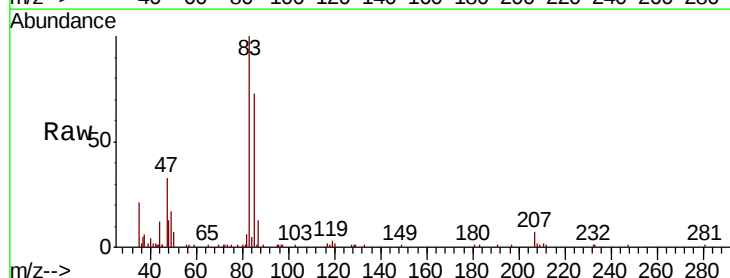
Acq: 12 May 2019 15:17

Tgt Ion: 83 Resp: 43302

Ion Ratio Lower Upper

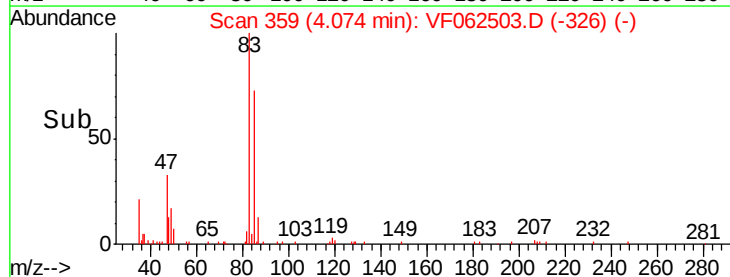
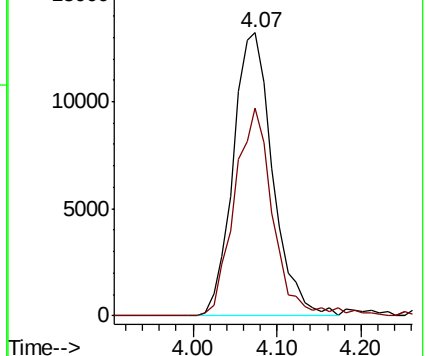
83 100

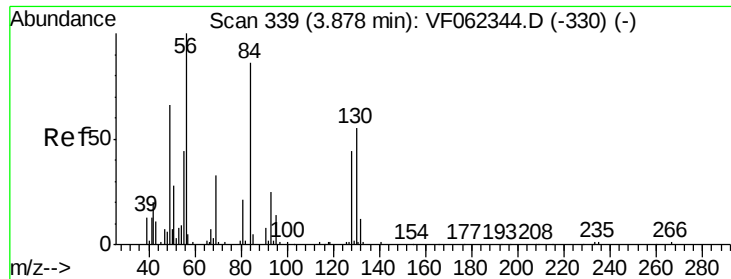
85 73.3 49.6 74.4



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0





#31

Cyclohexane

Concen: 26.048 ug/l

RT: 3.92 min Scan# 343

Delta R.T. 0.04 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

P026-SS012-0002-01MSD

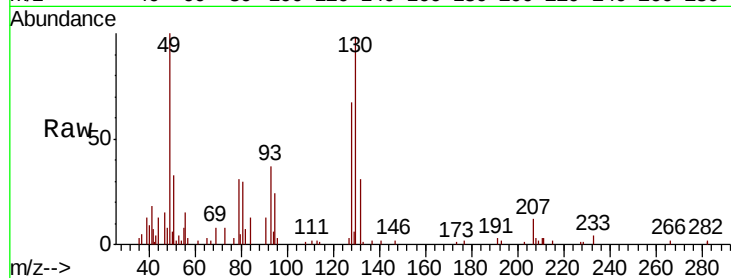
Tot Ion: 56 Resp: 4206

Ion Ratio Lower Upper

56 100

69 51.3 26.4 39.6#

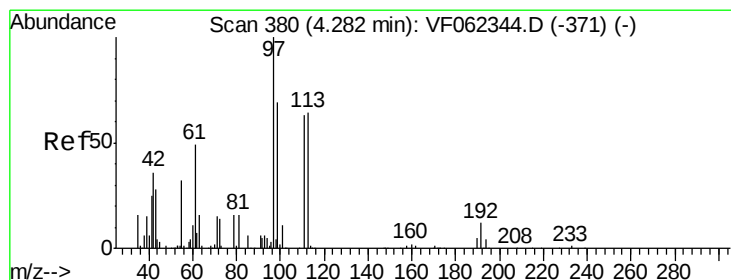
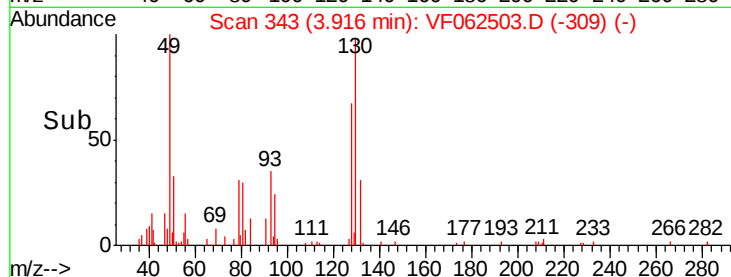
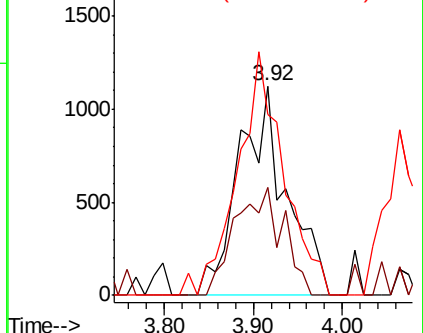
84 86.1 69.0 103.6



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: 106.760 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.02 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

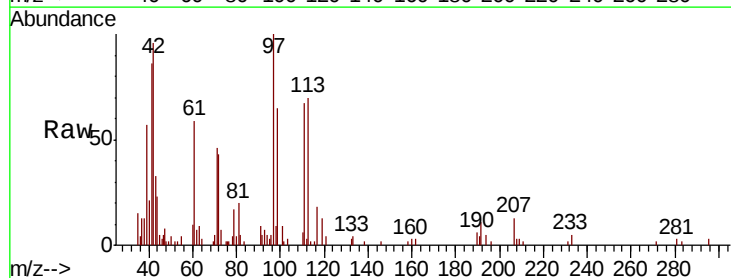
Tgt Ion: 97 Resp: 25007

Ion Ratio Lower Upper

97 100

99 66.1 52.6 78.8

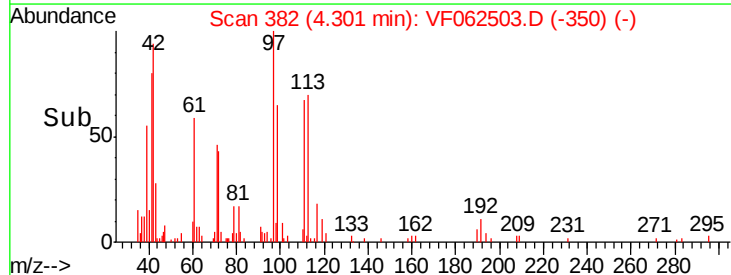
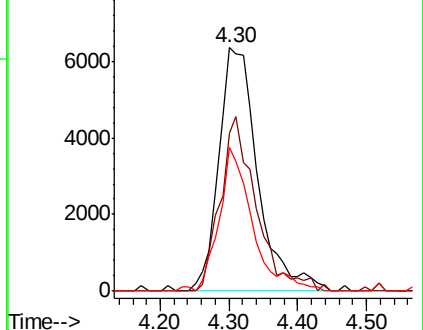
61 51.0 39.4 59.0

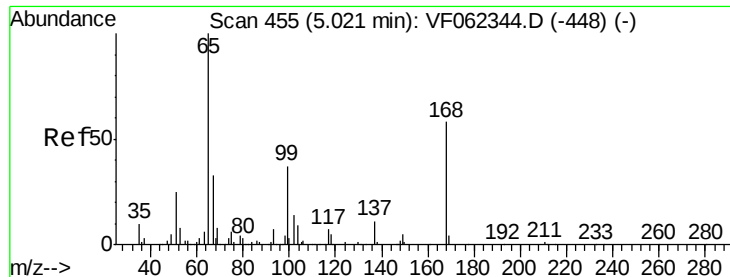


Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

Ion 60.90 (60.60 to 61.60): VF0





#33

1,2-Dichloroethane-d4

Concen: 209.603 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.03 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

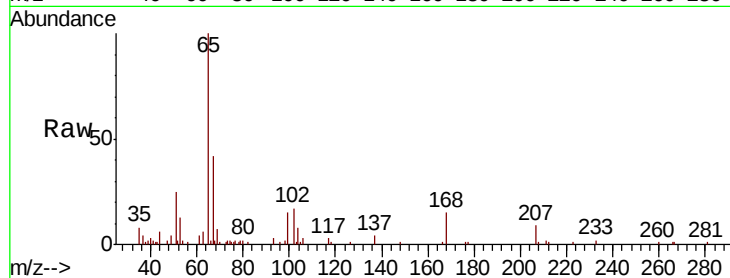
P026-SS012-0002-01MSD

Tot Ion: 65 Resp: 31323

Ion Ratio Lower Upper

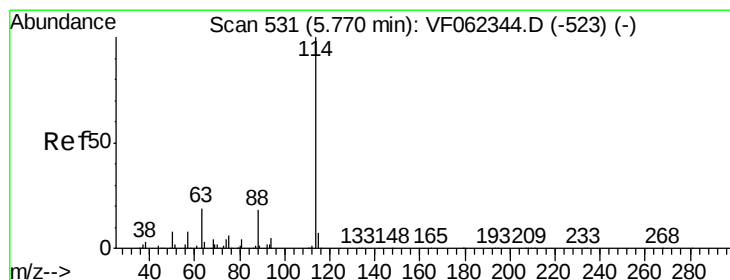
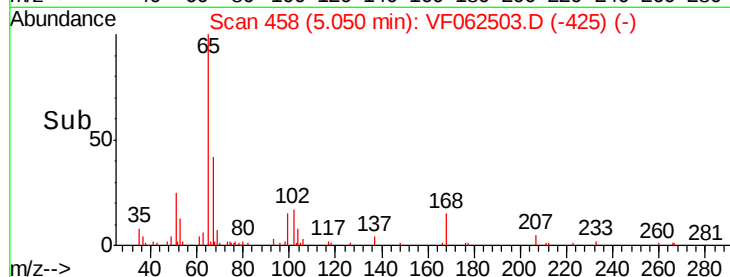
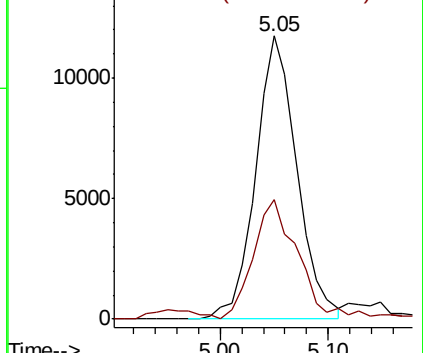
65 100

67 46.6 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: 5.80 min Scan# 534

Delta R.T. 0.03 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

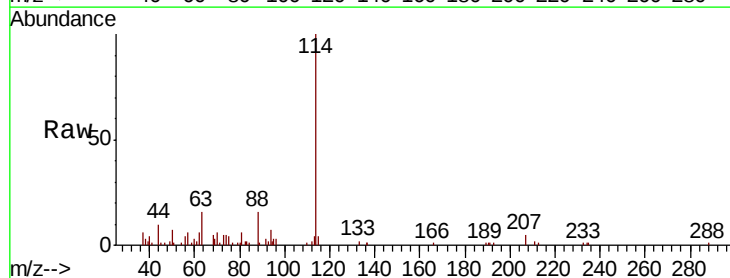
Tgt Ion: 114 Resp: 24298

Ion Ratio Lower Upper

114 100

63 15.7 0.0 37.4

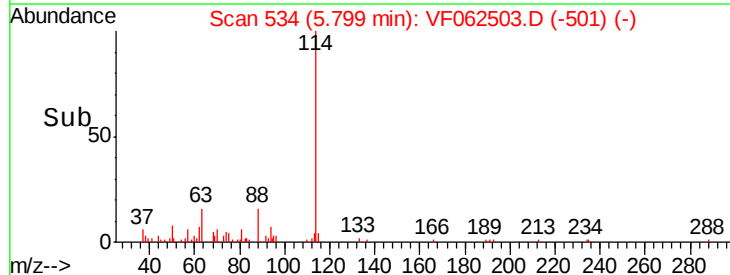
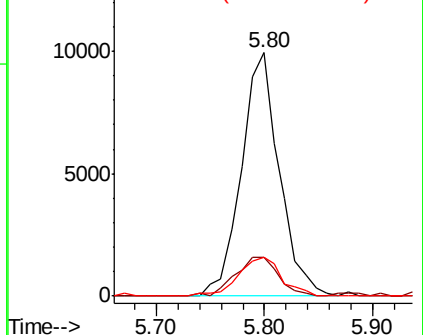
88 16.2 0.0 36.4

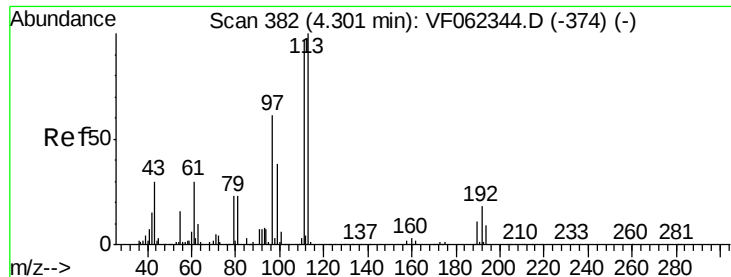


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0





#35

Dibromofluoromethane

Concen: 164.817 ug/l

RT: 4.33 min Scan# 385

Delta R.T. 0.03 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :
MSVOA_F
ClientSampleId :
P026-SS012-0002-01MSD

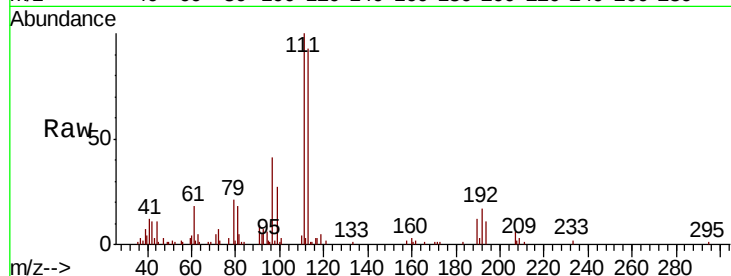
Tot Ion:113 Resp: 31905

Ion Ratio Lower Upper

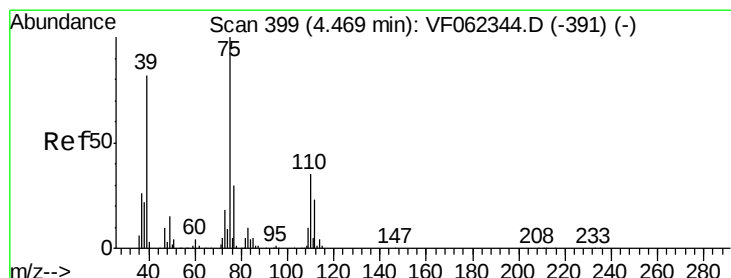
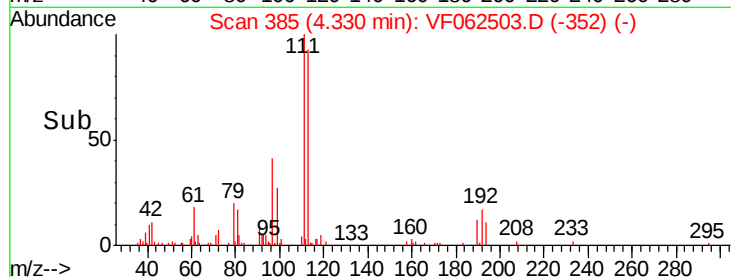
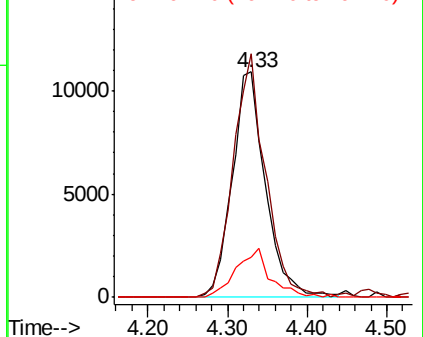
113 100

111 104.3 79.4 119.0

192 22.2 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: 20.328 ug/l

RT: 4.49 min Scan# 401

Delta R.T. 0.02 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

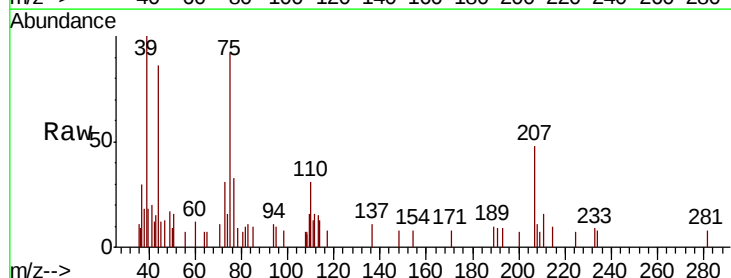
Tgt Ion: 75 Resp: 4243

Ion Ratio Lower Upper

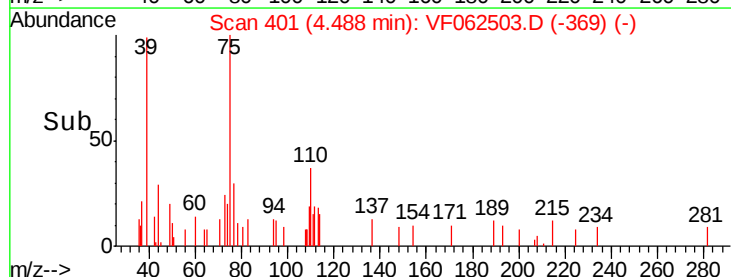
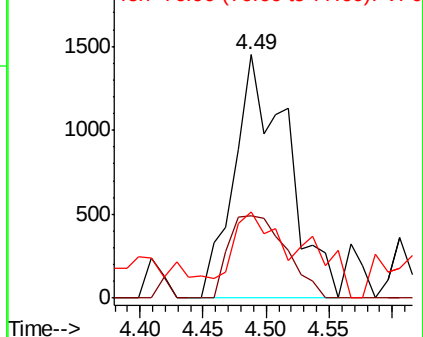
75 100

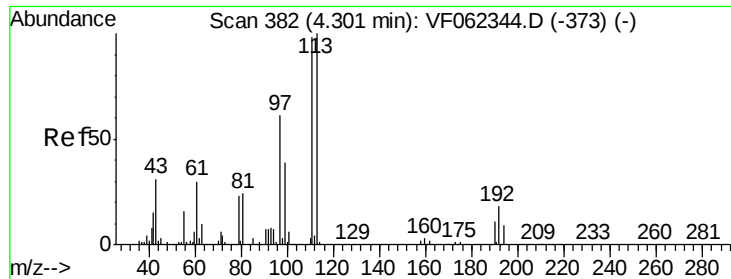
110 36.6 17.2 51.5

77 22.2 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

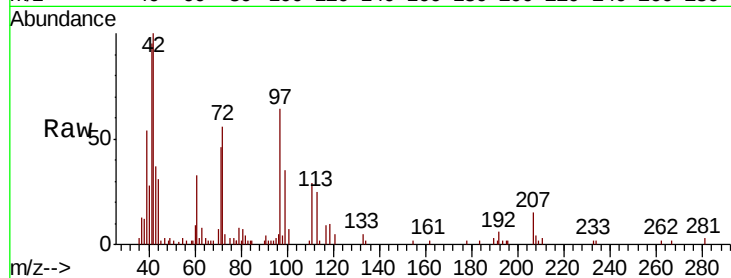




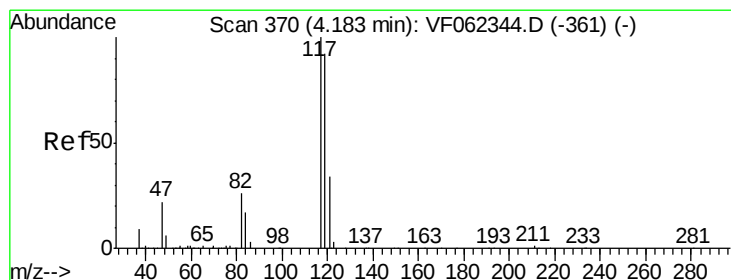
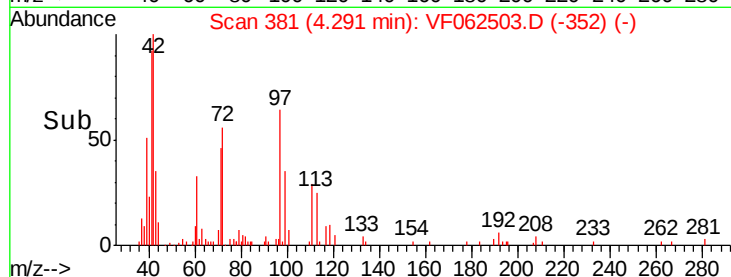
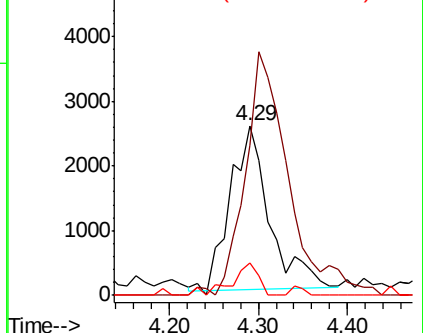
#37
Ethyl Acetate
Concen: 101.007 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

Instrument :
MSVOA_F
ClientSampleId :
P026-SS012-0002-01MSD

Tot Ion: 43 Resp: 7773
Ion Ratio Lower Upper
43 100
61 163.9 0.0 0.0#
70 13.4 8.2 12.2#

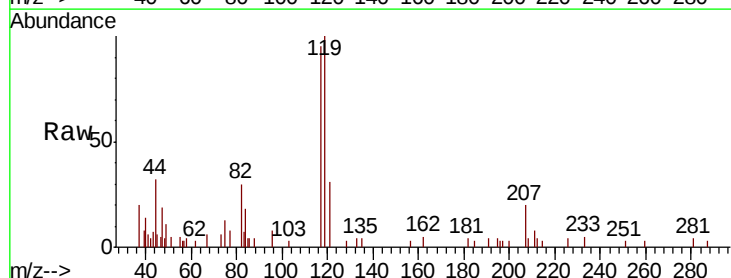


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 70.00 (69.70 to 70.70): VF0

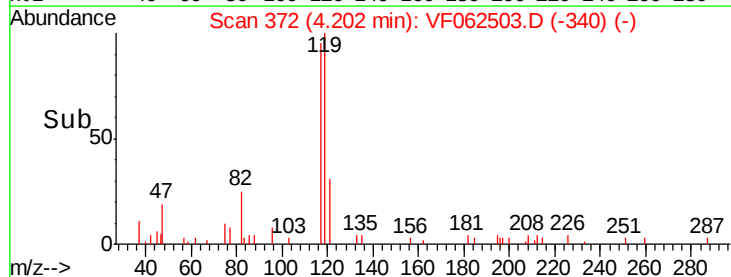
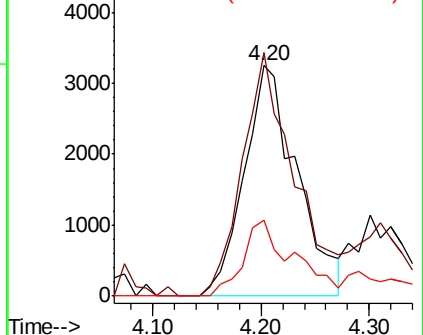


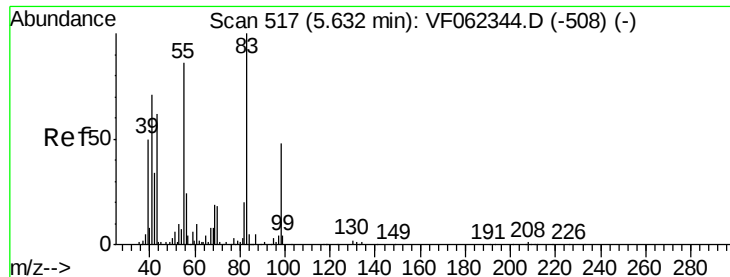
#38
Carbon Tetrachloride
Concen: 51.144 ug/l
RT: 4.20 min Scan# 372
Delta R.T. 0.02 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

Tgt Ion: 117 Resp: 11059
Ion Ratio Lower Upper
117 100
119 105.6 73.4 110.2
121 32.9 27.4 41.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

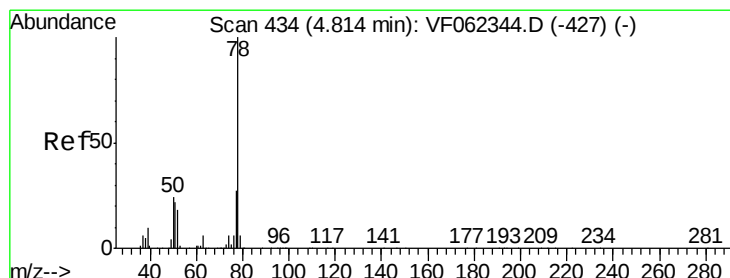
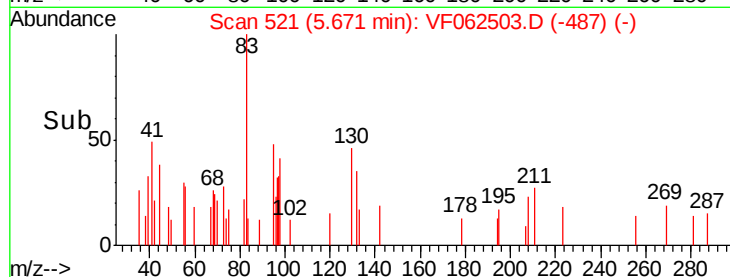
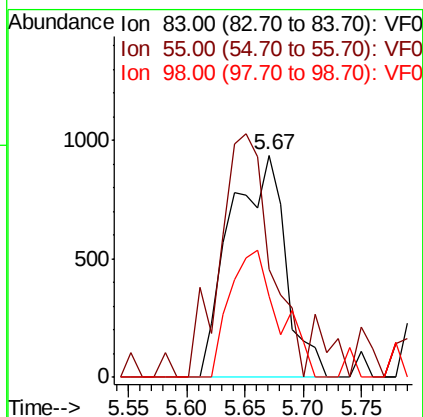
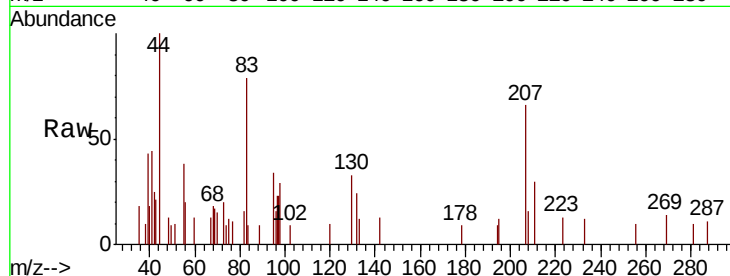




#39
Methylcyclohexane
Concen: 14.718 ug/l
RT: 5.67 min Scan# 521
Delta R.T. 0.04 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

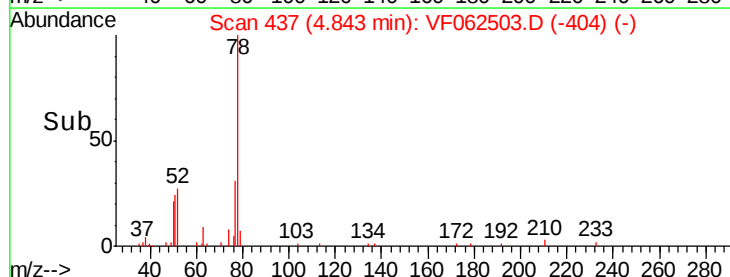
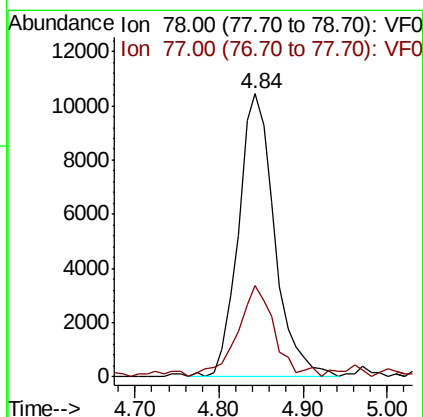
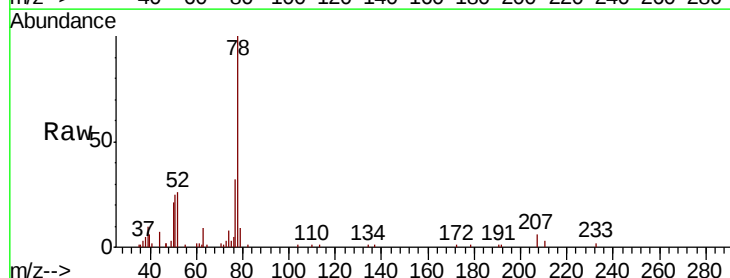
Instrument :
MSVOA_F
ClientSampleId :
P026-SS012-0002-01MSD

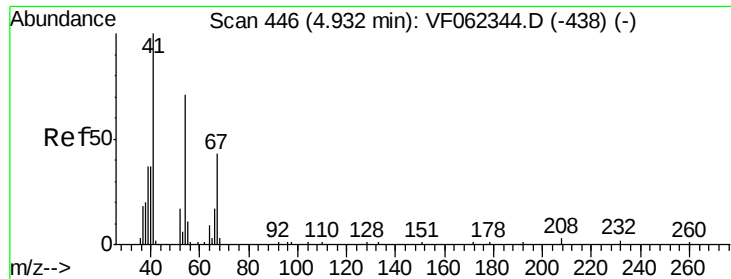
Tot Ion	Ratio	Lower	Upper
83	100		
55	48.4	69.0	103.6#
98	36.2	38.6	58.0#



#40
Benzene
Concen: 68.100 ug/l
RT: 4.84 min Scan# 437
Delta R.T. 0.03 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	32.2	21.6	32.4





#41

Methacrylonitrile

Concen: 23.677 ug/l

RT: 4.92 min Scan# 445

Delta R.T. -0.01 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

P026-SS012-0002-01MSD

Tot Ion: 41 Resp: 1185

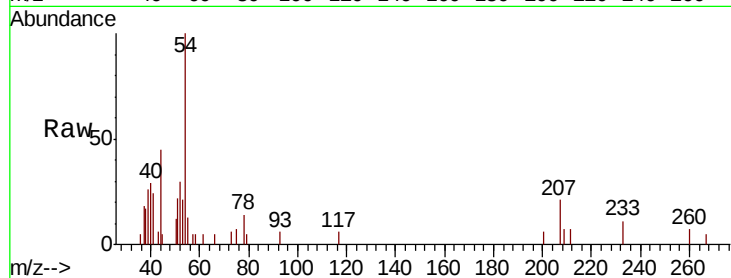
Ion Ratio Lower Upper

41 100

39 84.1 54.3 81.5#

67 0.0 37.8 56.8#

52 198.0 58.2 87.4#

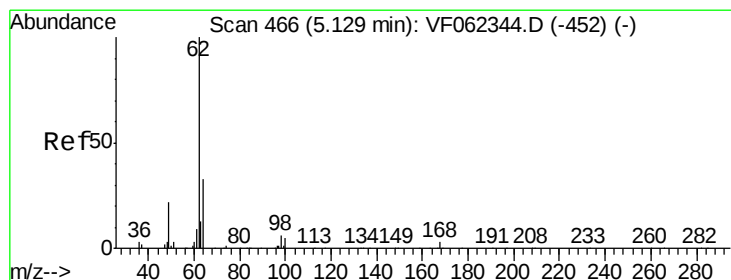
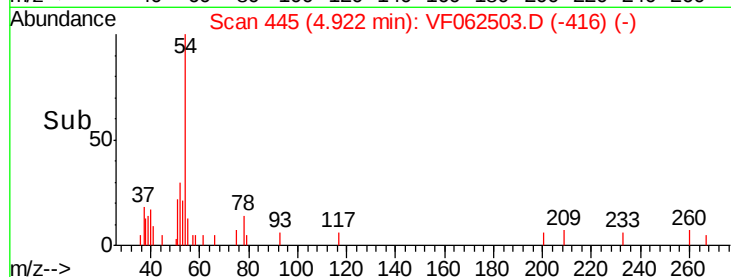
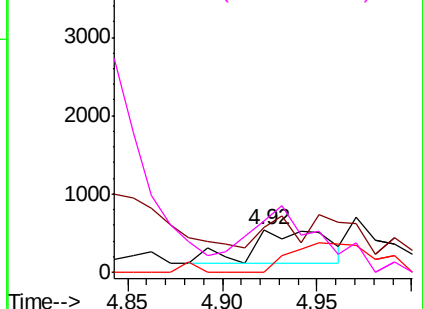


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 159.820 ug/l

RT: 5.15 min Scan# 468

Delta R.T. 0.02 min

Lab File: VF062503.D

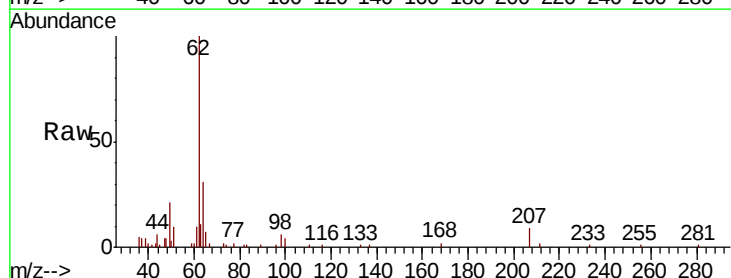
Acq: 12 May 2019 15:17

Tgt Ion: 62 Resp: 30723

Ion Ratio Lower Upper

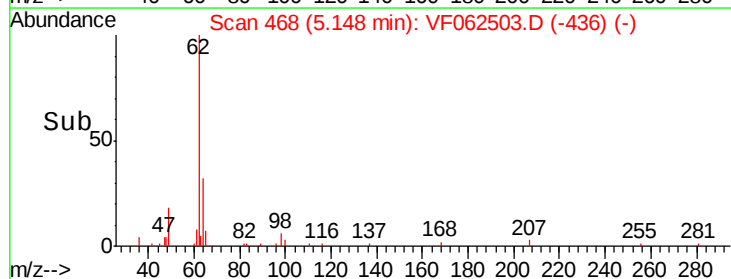
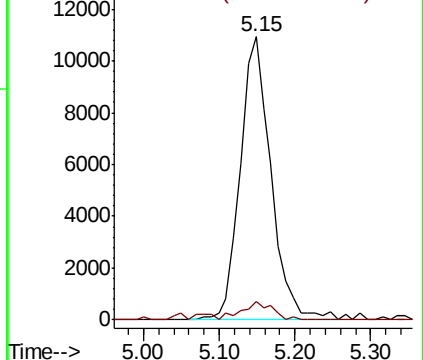
62 100

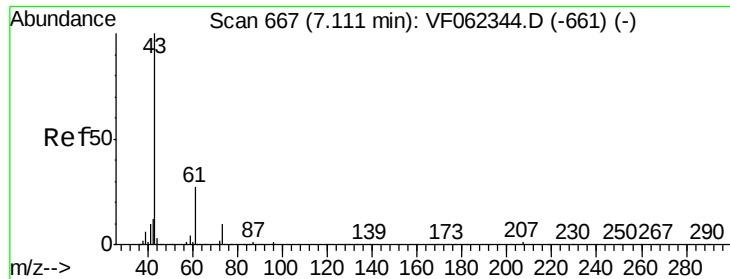
98 6.3 0.0 12.4



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 97.90 (97.60 to 98.60): VF0





#43

Isopropyl Acetate

Concen: 5.709 ug/l

RT: 7.19 min Scan# 675

Delta R.T. 0.08 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

P026-SS012-0002-01MSD

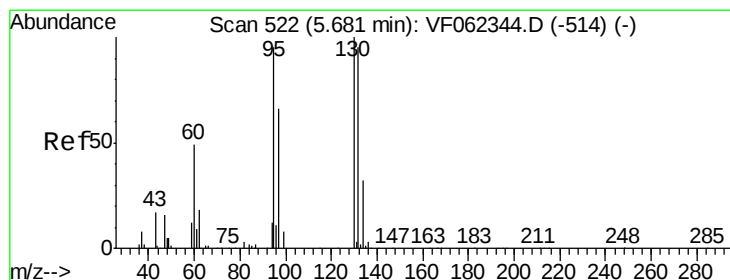
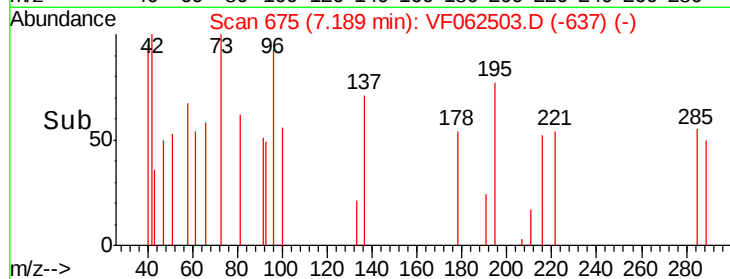
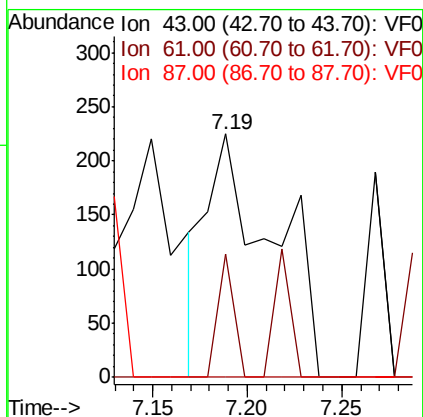
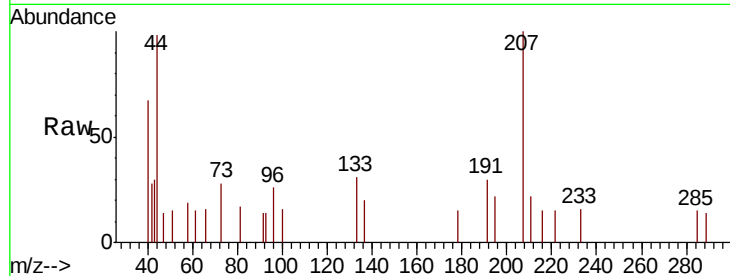
Tot Ion: 43 Resp: 542

Ion Ratio Lower Upper

43 100

61 12.4 22.8 34.2#

87 0.0 0.6 1.0#



#44

Trichloroethene

Concen: 31.739 ug/l

RT: 5.70 min Scan# 524

Delta R.T. 0.02 min

Lab File: VF062503.D

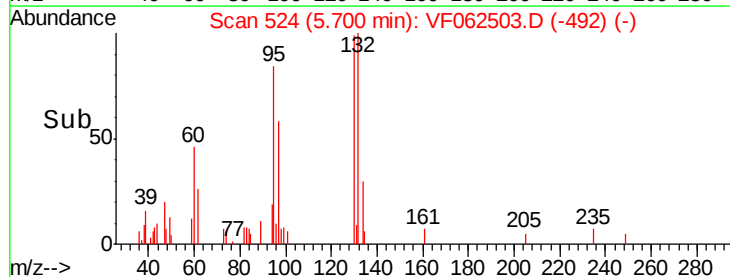
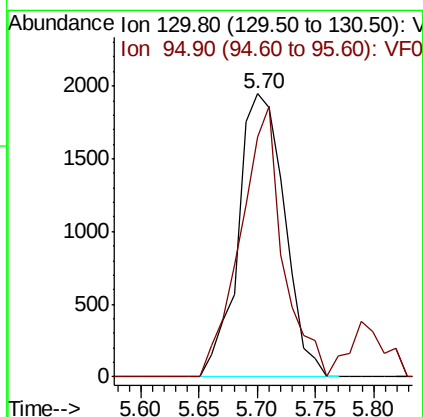
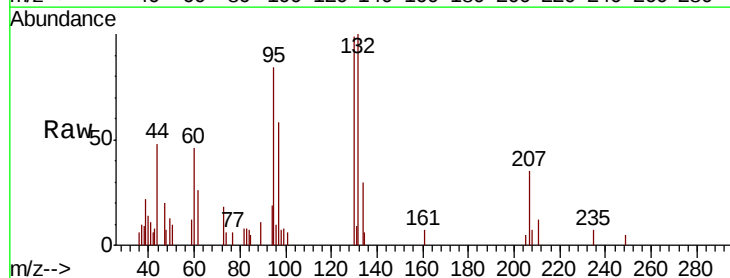
Acq: 12 May 2019 15:17

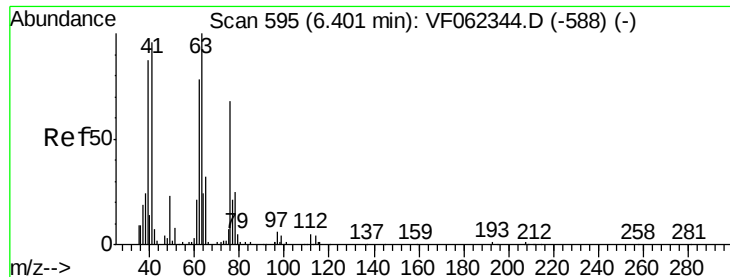
Tgt Ion: 130 Resp: 5359

Ion Ratio Lower Upper

130 100

95 84.8 0.0 189.0





#45

1,2-Dichloropropane

Concen: 120.087 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.02 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

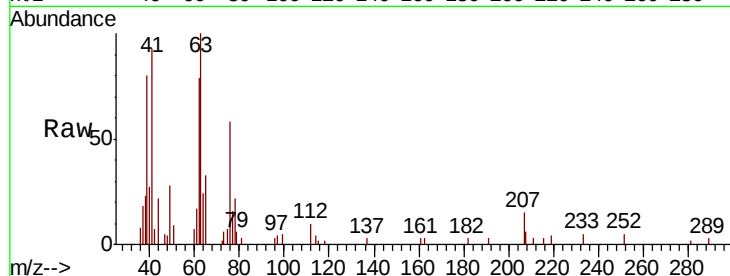
P026-SS012-0002-01MSD

Tot Ion: 63 Resp: 12502

Ion Ratio Lower Upper

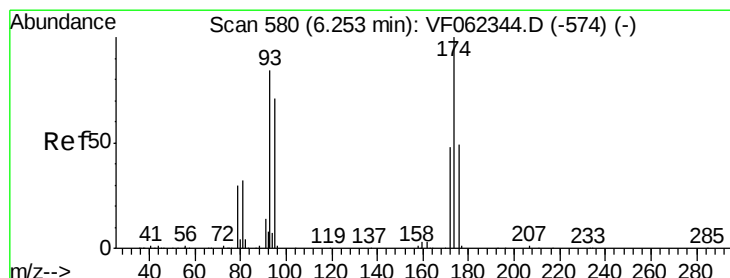
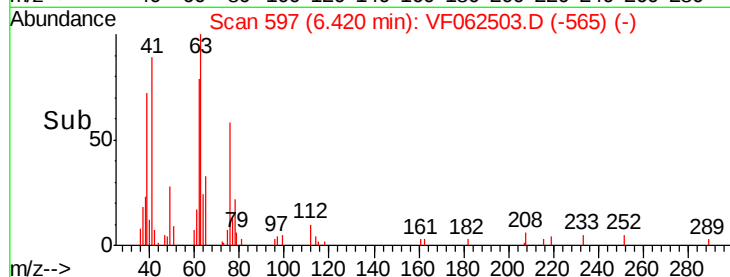
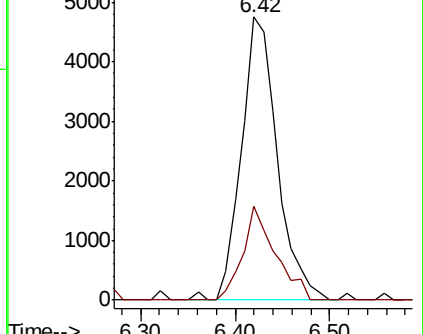
63 100

65 33.4 25.6 38.4



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 64.90 (64.60 to 65.60): VF0



#46

Dibromomethane

Concen: 124.411 ug/l

RT: 6.28 min Scan# 583

Delta R.T. 0.03 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

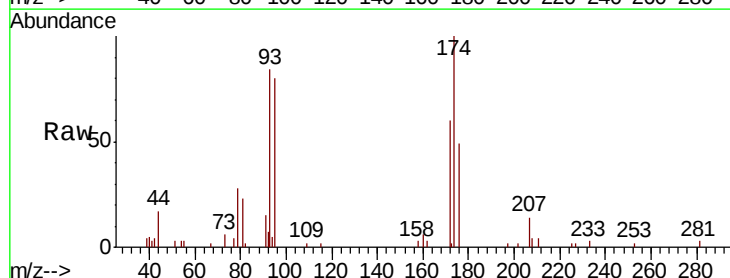
Tgt Ion: 93 Resp: 10739

Ion Ratio Lower Upper

93 100

95 90.7 68.4 102.6

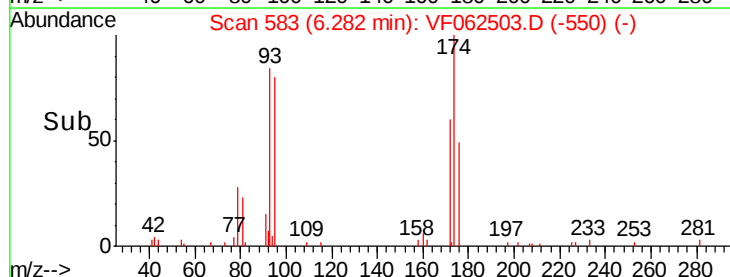
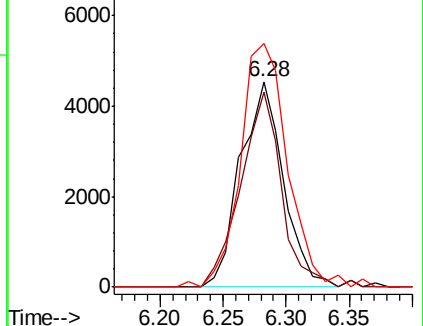
174 131.1 99.6 149.4

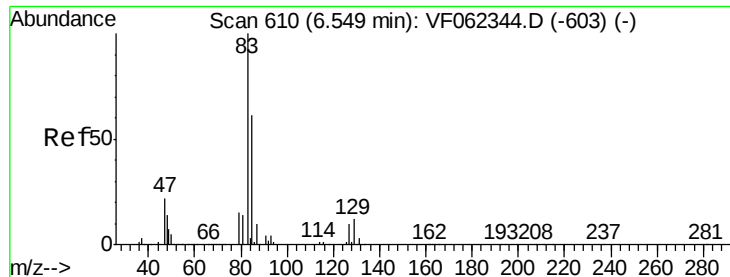


Abundance Ion 92.80 (92.50 to 93.50): VF0

Ion 94.80 (94.50 to 95.50): VF0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 117.093 ug/l

RT: 6.57 min Scan# 612

Delta R.T. 0.02 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

P026-SS012-0002-01MSD

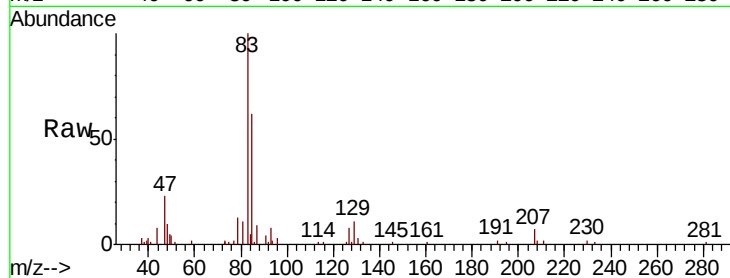
Tot Ion: 83 Resp: 25270

Ion Ratio Lower Upper

83 100

85 61.7 49.1 73.7

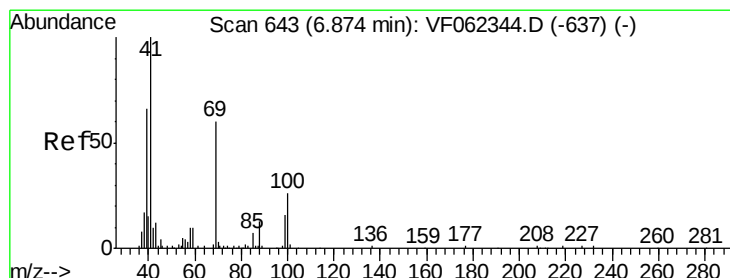
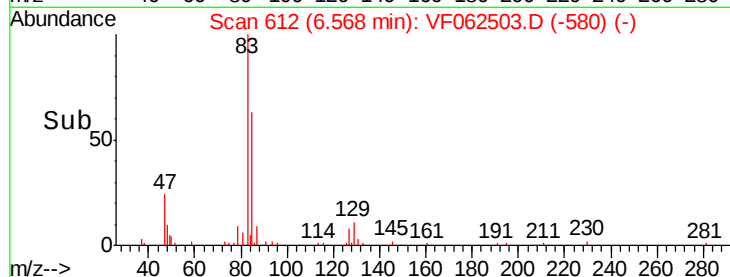
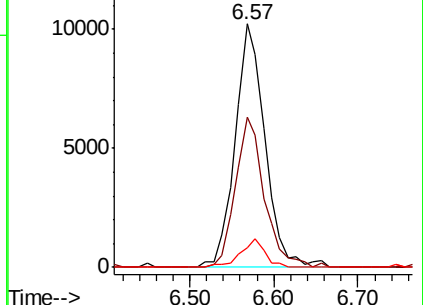
127 7.8 7.8 11.8#



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: 49.737 ug/l

RT: 6.91 min Scan# 647

Delta R.T. 0.04 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

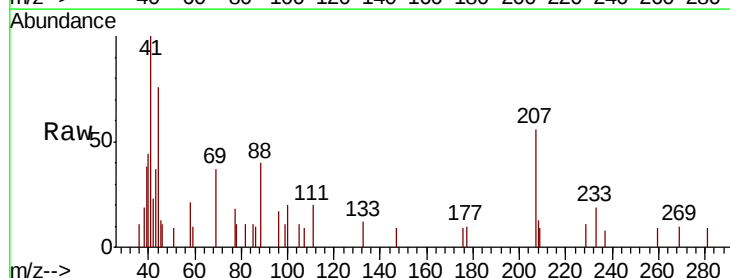
Tgt Ion: 41 Resp: 3337

Ion Ratio Lower Upper

41 100

69 64.2 48.6 72.8

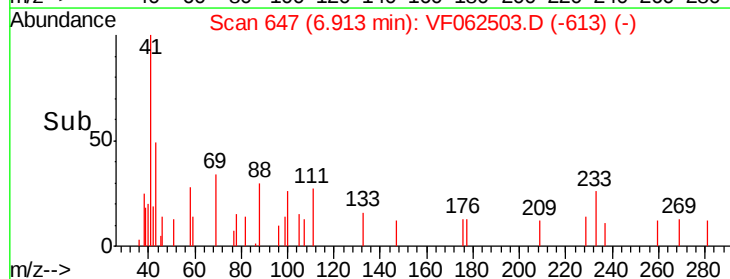
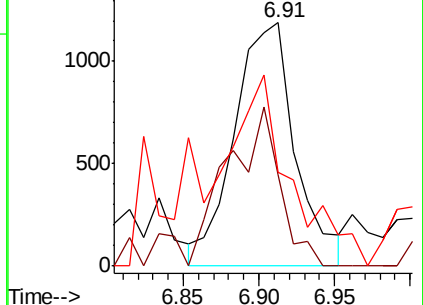
39 77.7 56.1 84.1

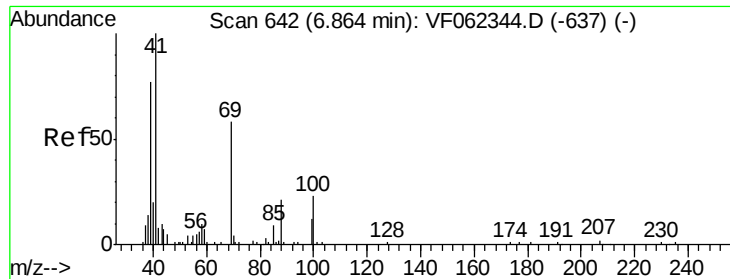


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 5556.322 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.03 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

P026-SS012-0002-01MSD

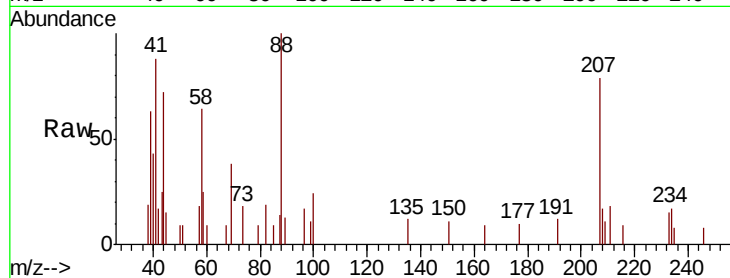
Tot Ion: 88 Resp: 3793

Ion Ratio Lower Upper

88 100

43 41.0 55.6 83.4#

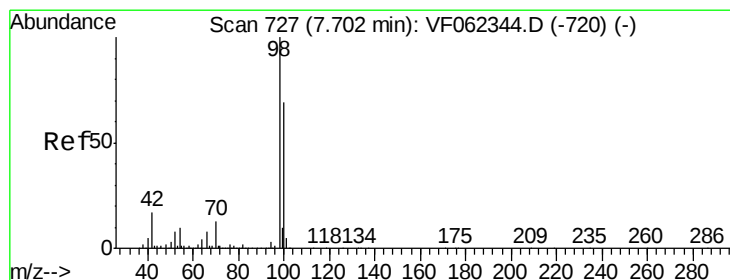
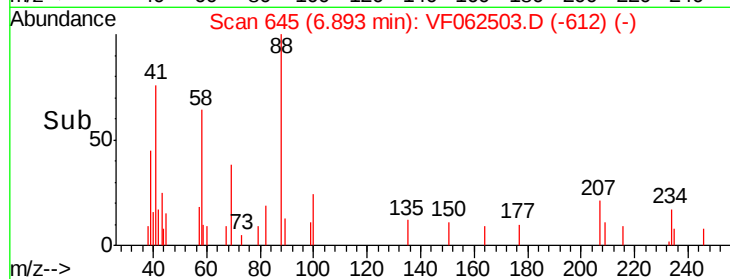
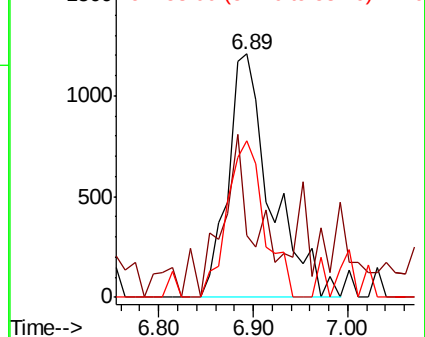
58 55.9 52.8 79.2



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: 38.770 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.02 min

Lab File: VF062503.D

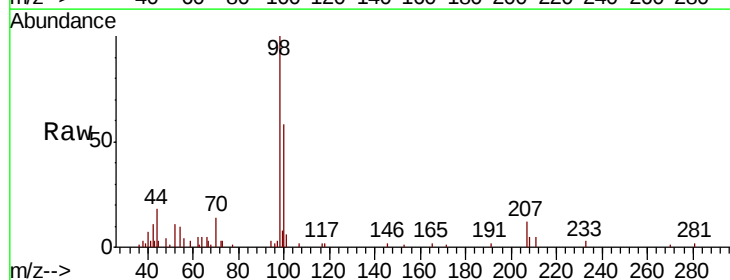
Acq: 12 May 2019 15:17

Tgt Ion: 98 Resp: 18167

Ion Ratio Lower Upper

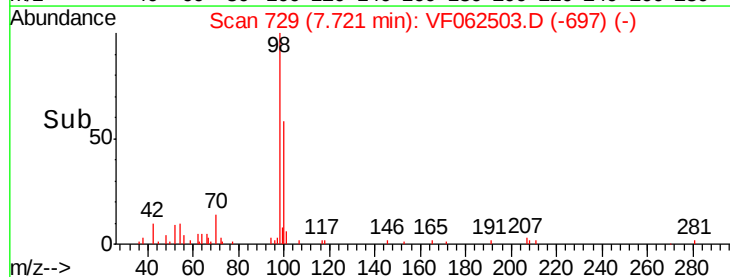
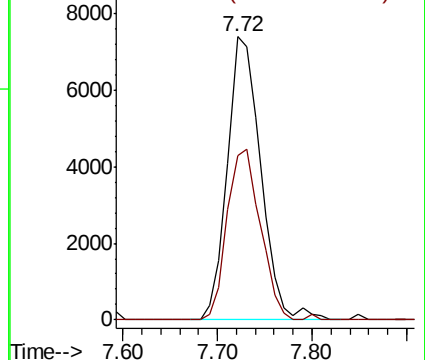
98 100

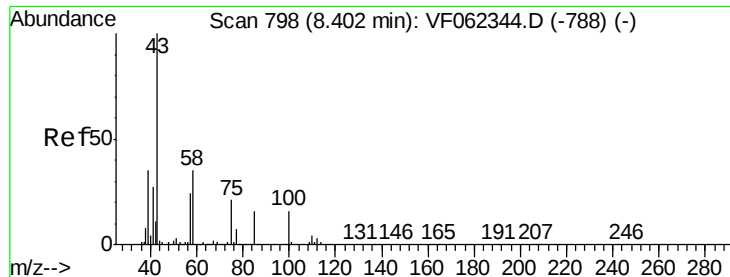
100 59.7 53.3 79.9



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: 263.746 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.02 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

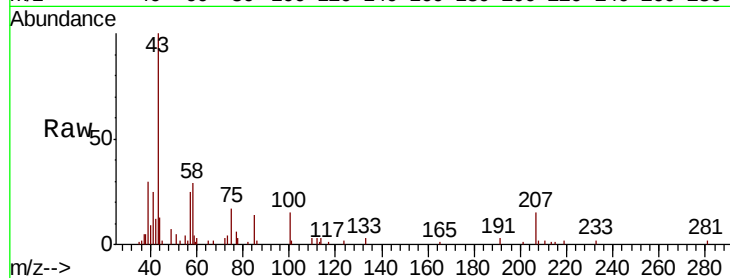
P026-SS012-0002-01MSD

Tot Ion: 43 Resp: 18974

Ion Ratio Lower Upper

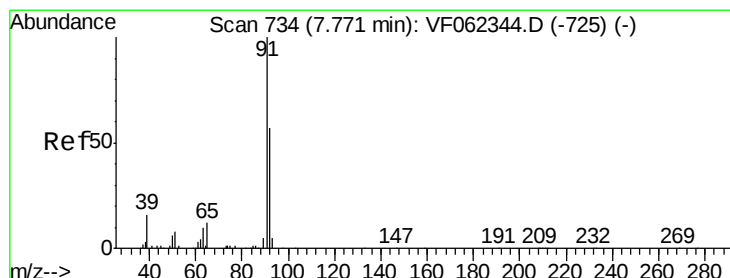
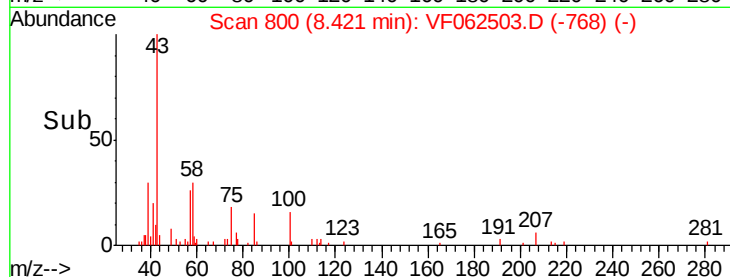
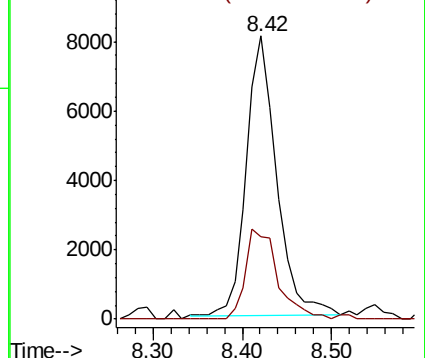
43 100

58 34.1 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 33.895 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.03 min

Lab File: VF062503.D

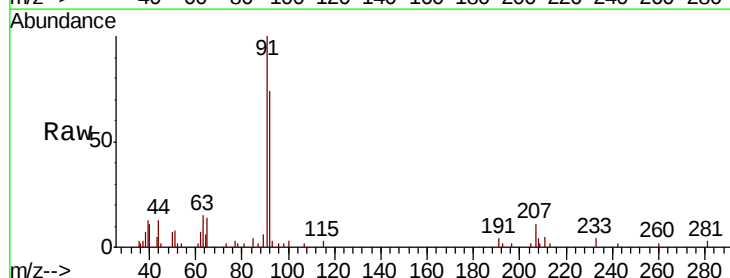
Acq: 12 May 2019 15:17

Tgt Ion: 92 Resp: 9611

Ion Ratio Lower Upper

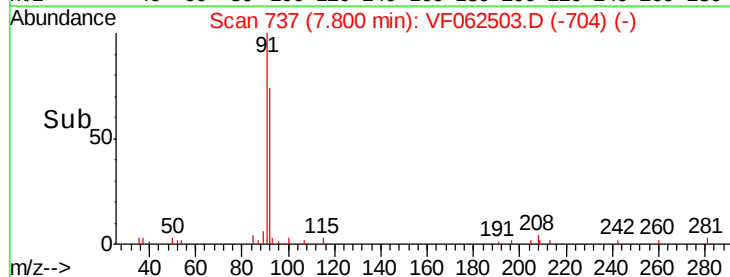
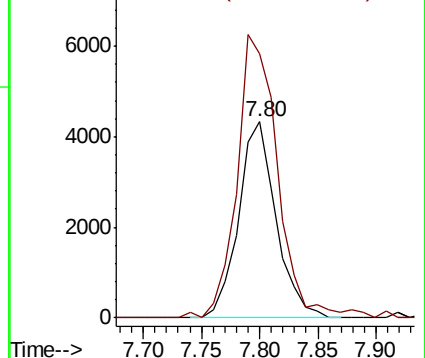
92 100

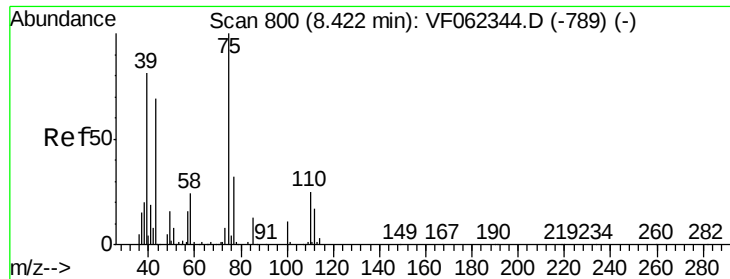
91 157.2 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 44.368 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.02 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

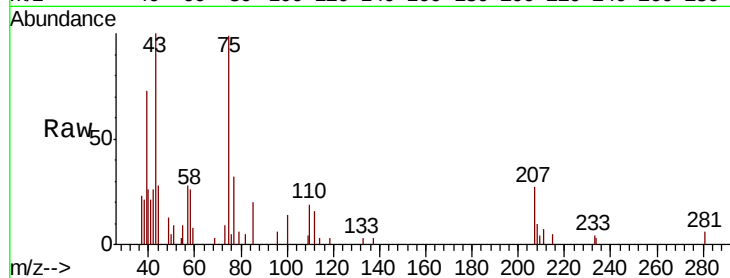
P026-SS012-0002-01MSD

Tot Ion: 75 Resp: 7242

Ion Ratio Lower Upper

75 100

77 28.3 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 76.90 (76.60 to 77.60): VF0

8.44

3000

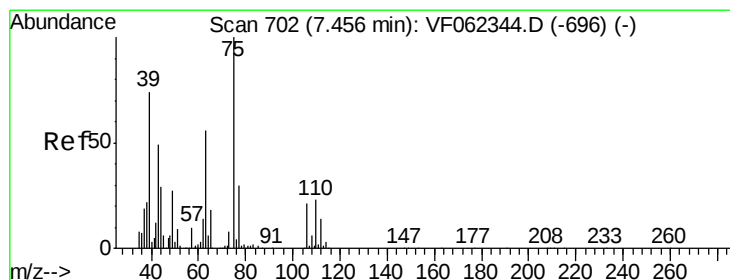
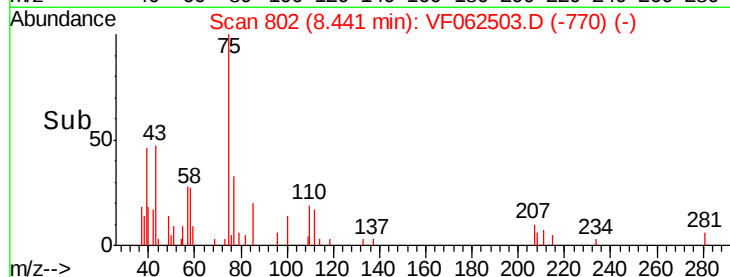
2000

1000

0

8.35 8.40 8.45 8.50 8.55

Time-->



#54

cis-1,3-Dichloropropene

Concen: 29.527 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.02 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

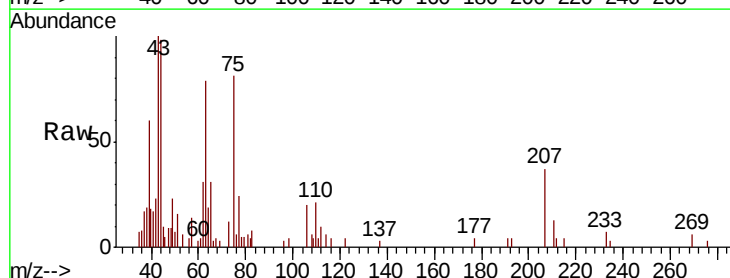
Tgt Ion: 75 Resp: 5609

Ion Ratio Lower Upper

75 100

77 29.7 24.0 36.0

39 67.3 58.7 88.1



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 76.90 (76.60 to 77.60): VF0

Ion 39.00 (38.70 to 39.70): VF0

7.47

3000

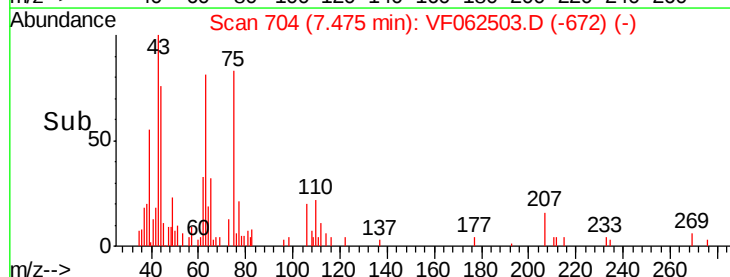
2000

1000

0

7.35 7.40 7.45 7.50 7.55

Time-->





#55

1,1,2-Trichloroethane

Concen: 147.755 ug/l

RT: 8.66 min Scan# 824

Delta R.T. 0.03 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

P026-SS012-0002-01MSD

Tot Ion: 97 Resp: 13300

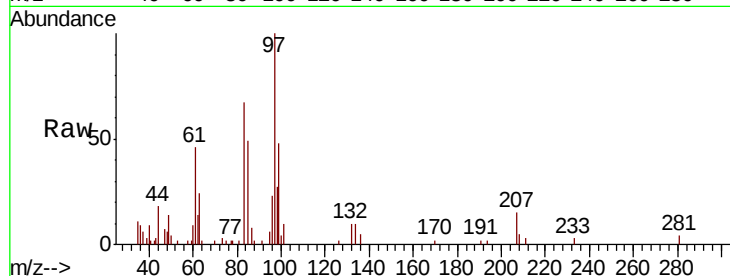
Ion Ratio Lower Upper

97 100

83 66.7 68.5 102.7#

85 49.1 45.4 68.2

99 48.2 52.7 79.1#

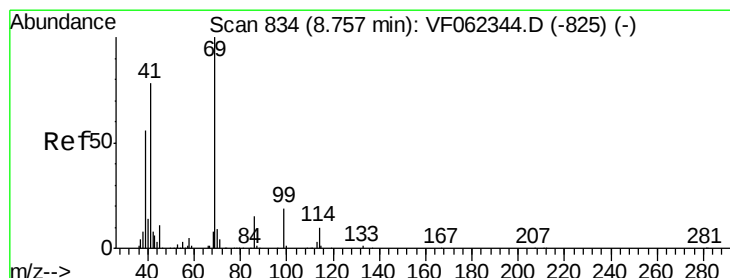
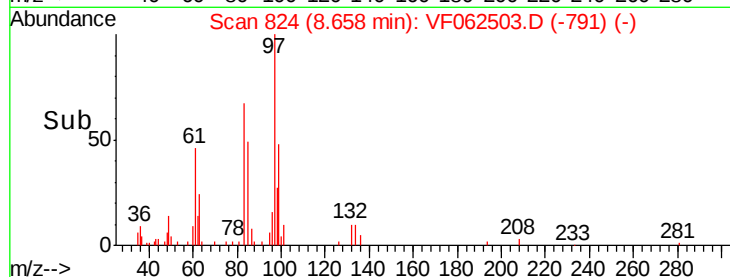
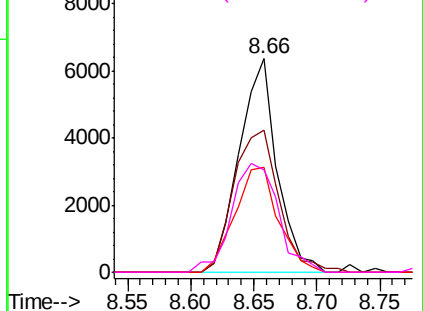


Abundance Ion 96.90 (96.60 to 97.60): VF0

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: 2.705 ug/l

RT: 8.76 min Scan# 834

Delta R.T. -0.00 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

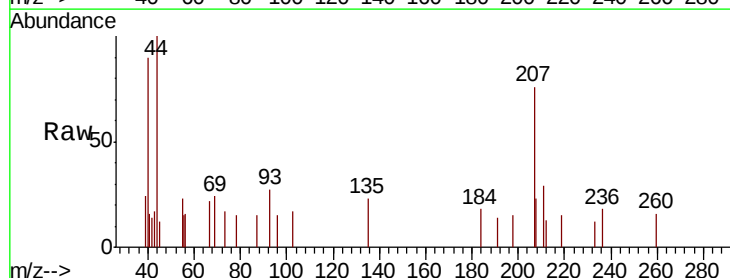
Tgt Ion: 69 Resp: 257

Ion Ratio Lower Upper

69 100

41 309.3 66.3 99.5#

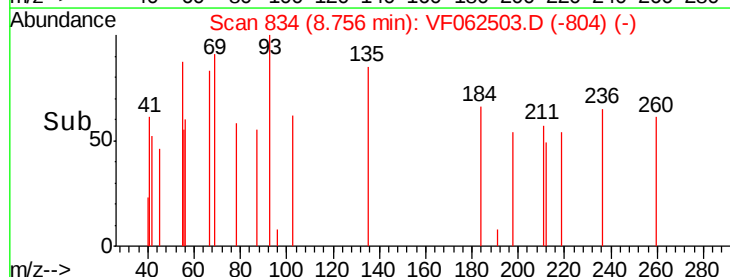
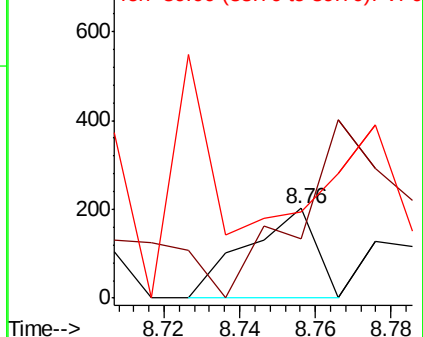
39 234.2 50.1 75.1#

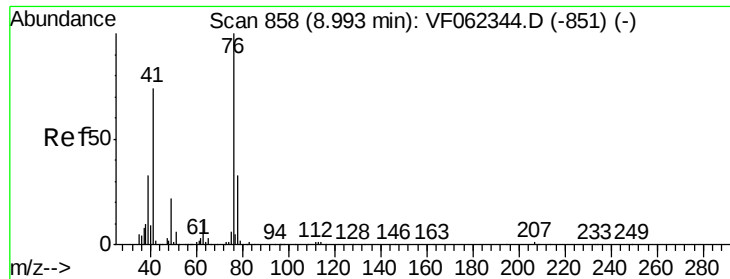


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

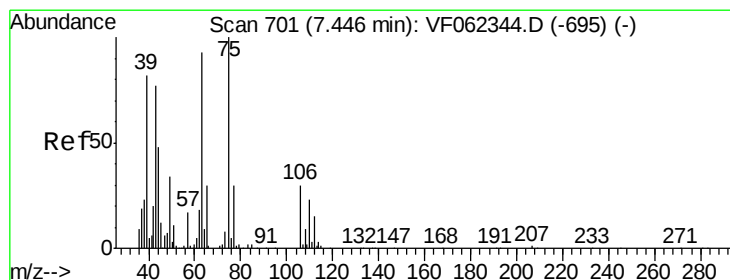
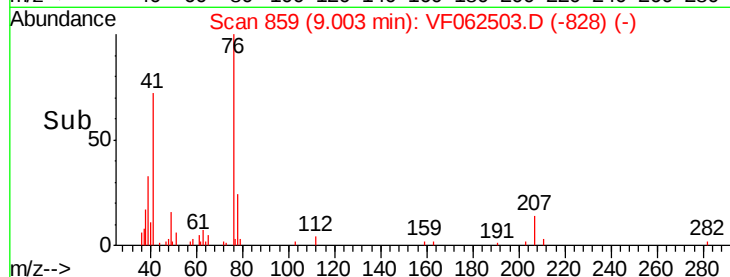
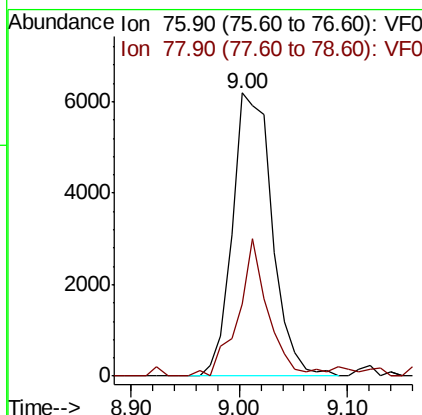
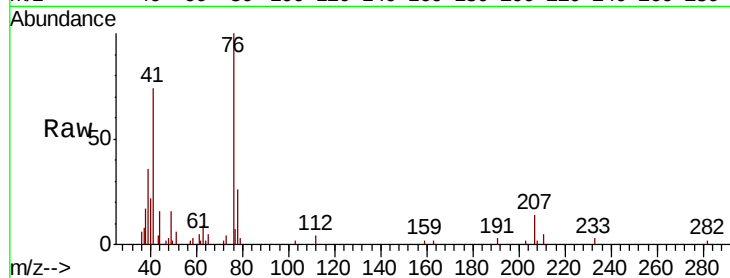




#57
 1,3-Dichloropropane
 Concen: 116.654 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. 0.01 min
 Lab File: VF062503.D
 Acq: 12 May 2019 15:17

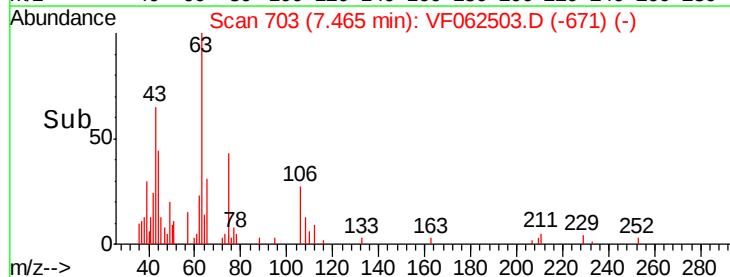
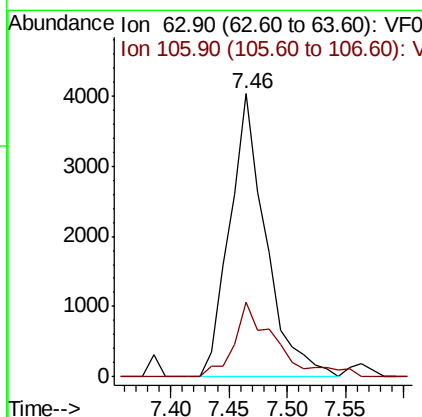
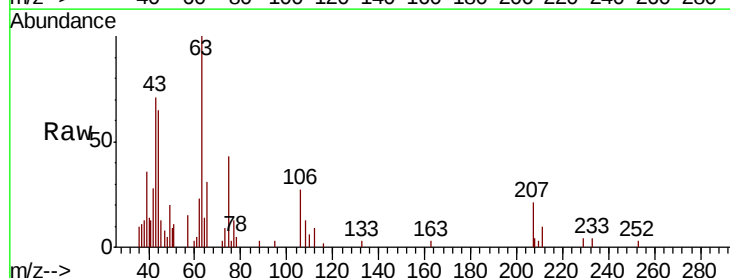
Instrument :
 MSVOA_F
 ClientSampleId :
 P026-SS012-0002-01MSD

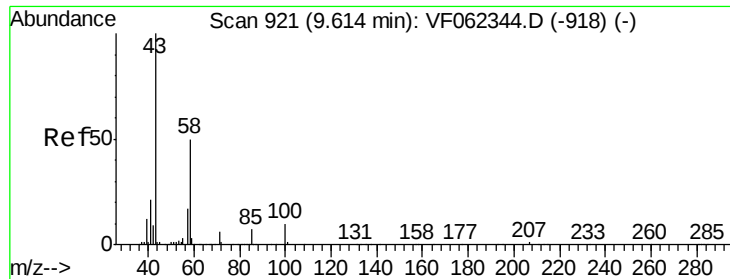
Tot Ion: 76 Resp: 15861
 Ion Ratio Lower Upper
 76 100
 78 35.9 26.4 39.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 303.079 ug/l
 RT: 7.46 min Scan# 703
 Delta R.T. 0.02 min
 Lab File: VF062503.D
 Acq: 12 May 2019 15:17

Tgt Ion: 63 Resp: 8658
 Ion Ratio Lower Upper
 63 100
 106 30.5 25.8 38.8

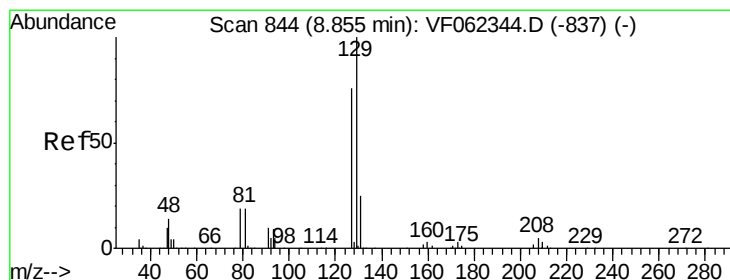
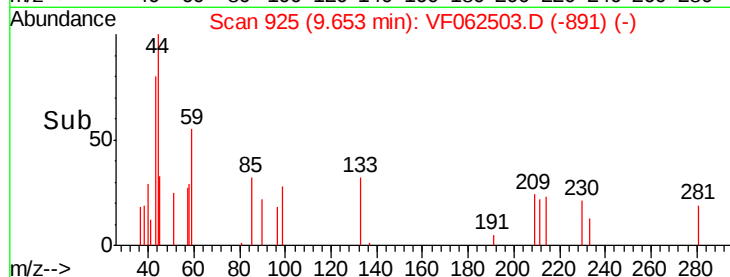
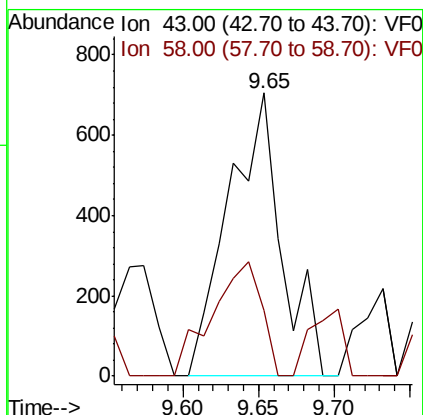
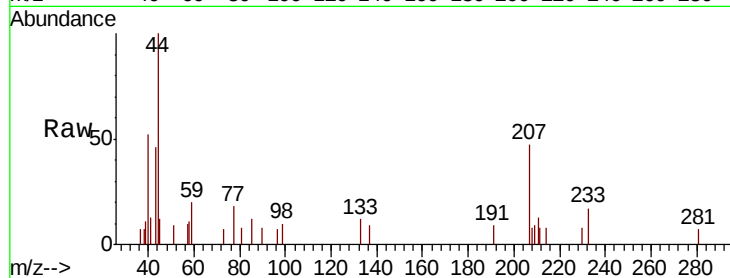




#59
2-Hexanone
Concen: 34.831 ug/l
RT: 9.65 min Scan# 925
Delta R.T. 0.04 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

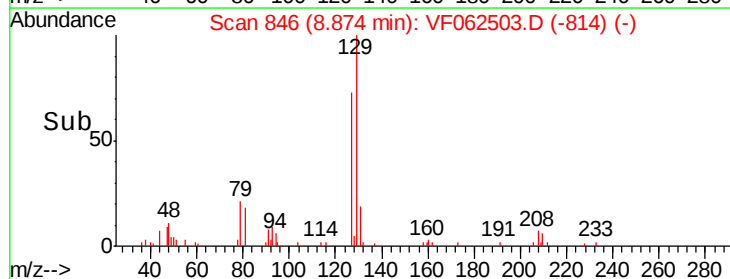
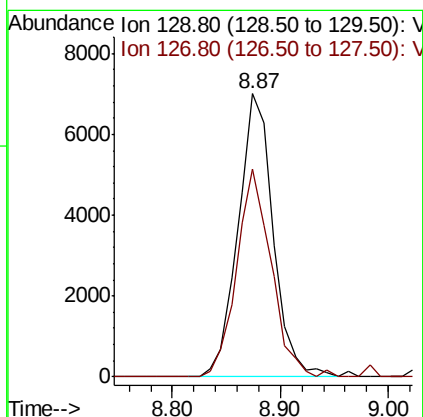
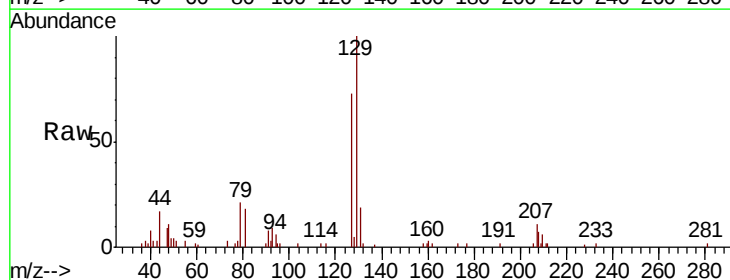
Instrument :
MSVOA_F
ClientSampleId :
P026-SS012-0002-01MSD

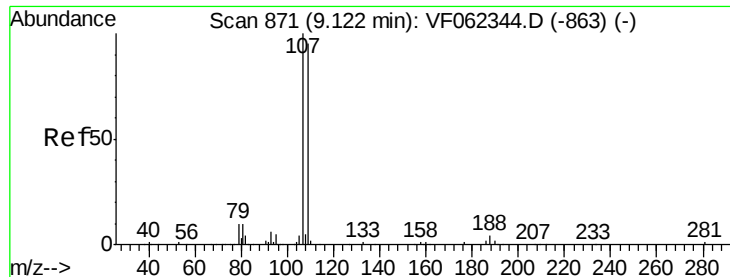
Tot Ion: 43 Resp: 1733
Ion Ratio Lower Upper
43 100
58 37.4 24.3 73.0



#60
Dibromochloromethane
Concen: 106.997 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.02 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

Tgt Ion:129 Resp: 15752
Ion Ratio Lower Upper
129 100
127 71.7 38.5 115.3





#61

1,2-Dibromoethane

Concen: 78.095 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.03 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

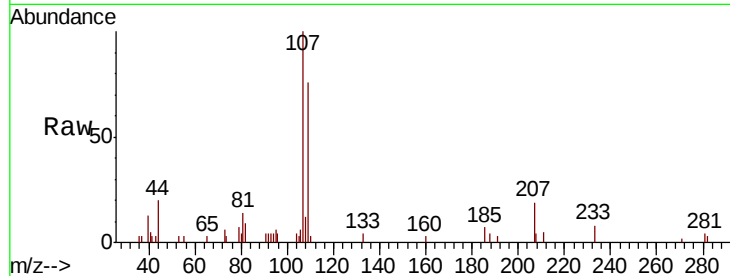
P026-SS012-0002-01MSD

Tot Ion:107 Resp: 8262

Ion Ratio Lower Upper

107 100

109 100.7 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.15

4000

3000

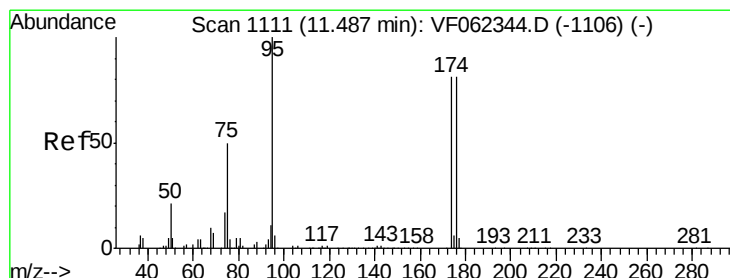
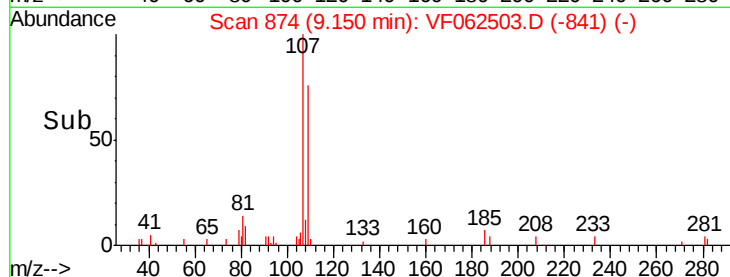
2000

1000

0

9.10 9.20

Time-->



#62

4-Bromofluorobenzene

Concen: 23.419 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

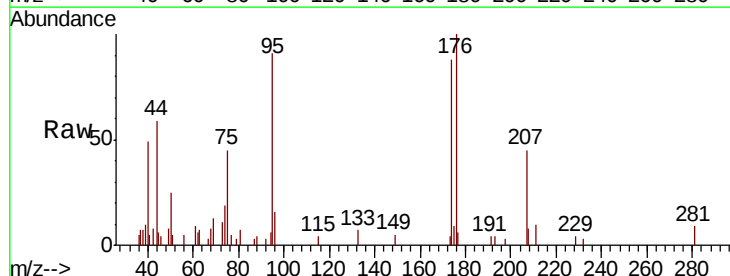
Tgt Ion: 95 Resp: 4951

Ion Ratio Lower Upper

95 100

174 106.7 0.0 191.8

176 112.8 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

4000

3000

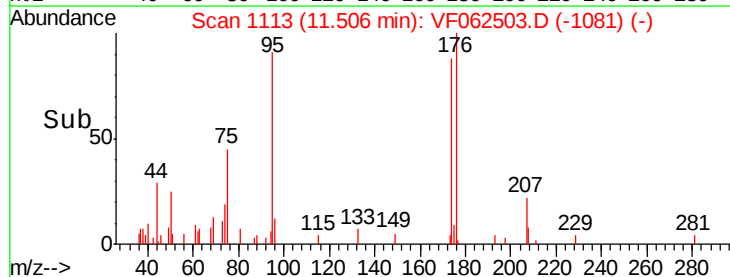
2000

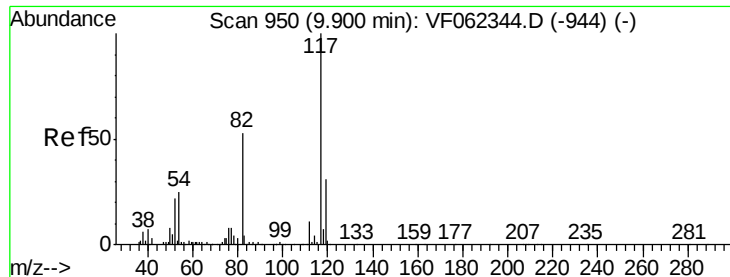
1000

0

11.45 11.50 11.55 11.60

Time-->

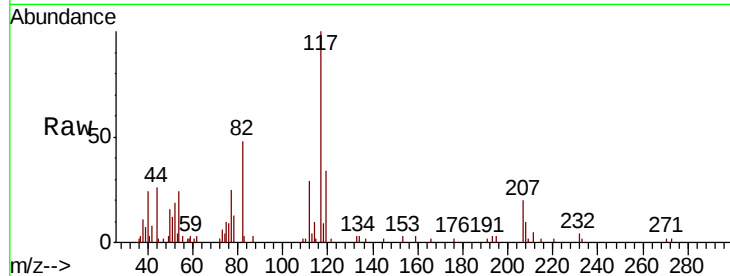




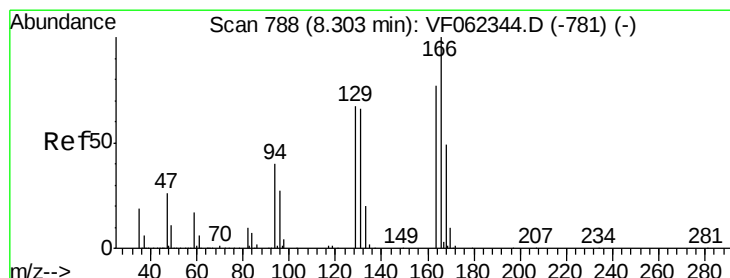
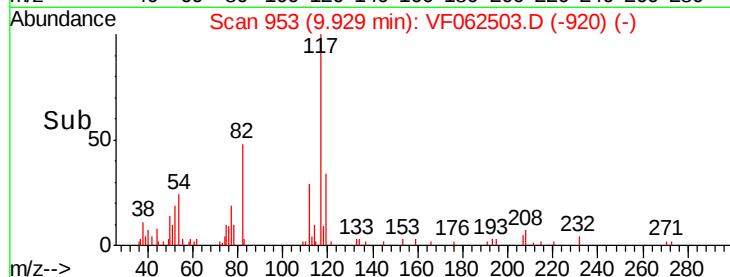
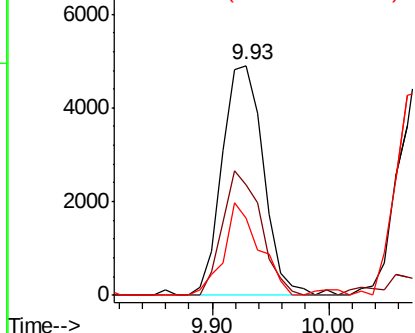
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.03 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

Instrument :
MSVOA_F
ClientSampleId :
P026-SS012-0002-01MSD

Tot Ion:117 Resp: 12081
Ion Ratio Lower Upper
117 100
82 48.3 42.2 63.2
119 33.8 25.0 37.4

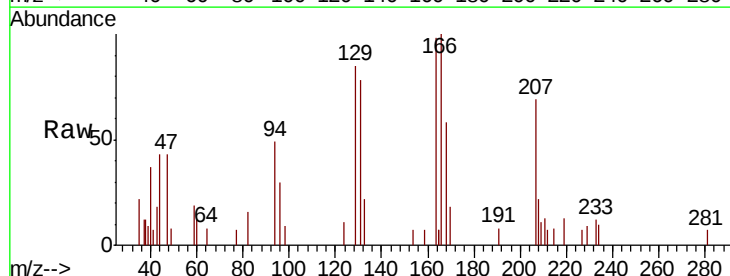


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 118.90 (118.60 to 119.60): V

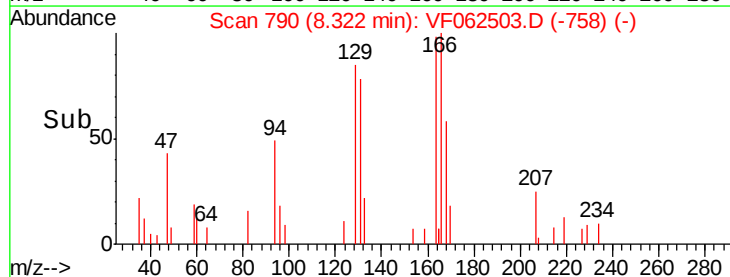
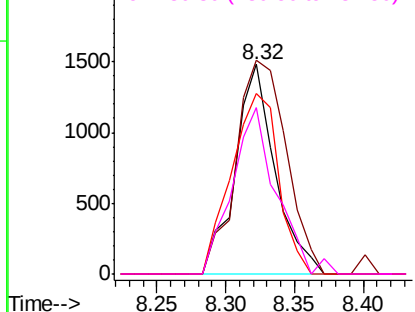


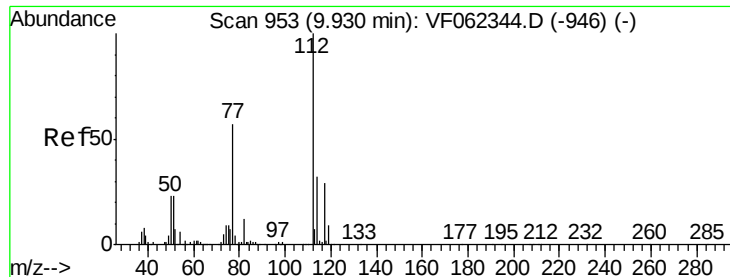
#64
Tetrachloroethene
Concen: 30.639 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.02 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

Tgt Ion:164 Resp: 3005
Ion Ratio Lower Upper
164 100
166 102.0 104.2 156.4#
129 86.4 69.6 104.4
131 79.2 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: 42.679 ug/l

RT: 9.95 min Scan# 955

Delta R.T. 0.02 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

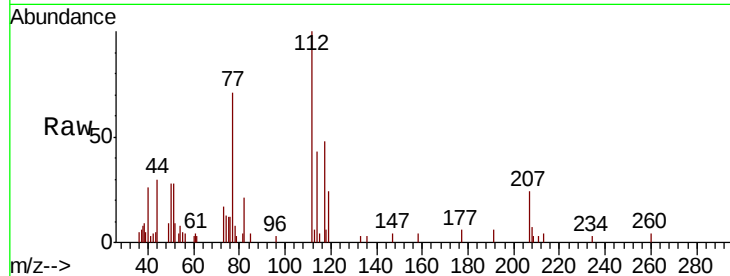
P026-SS012-0002-01MSD

Tot Ion:112 Resp: 8531

Ion Ratio Lower Upper

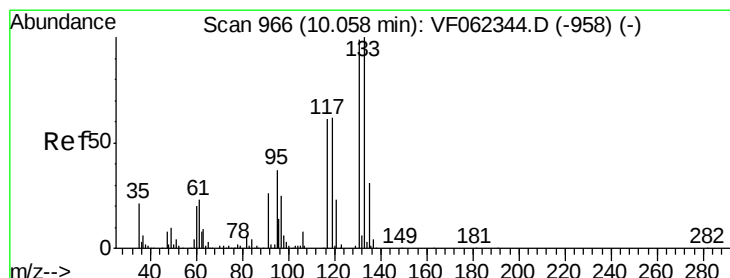
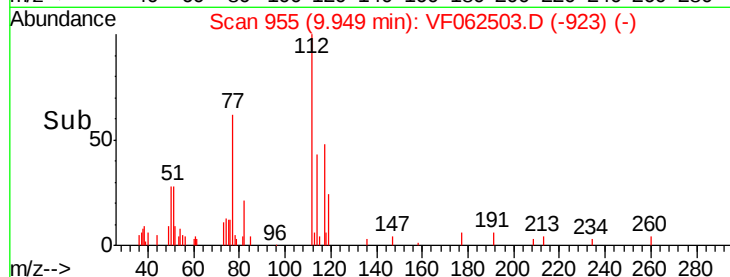
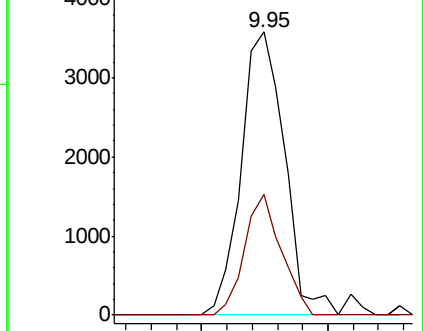
112 100

114 42.7 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: 160.834 ug/l

RT: 10.08 min Scan# 968

Delta R.T. 0.02 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

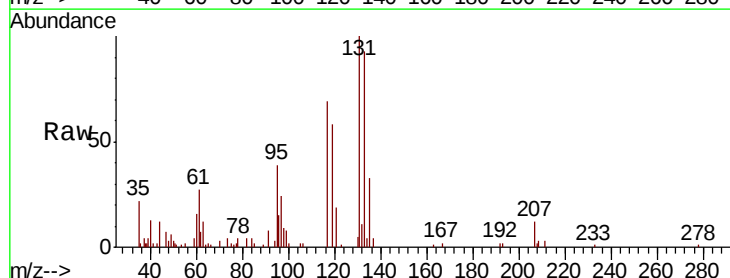
Tgt Ion:131 Resp: 16218

Ion Ratio Lower Upper

131 100

133 97.5 50.2 150.7

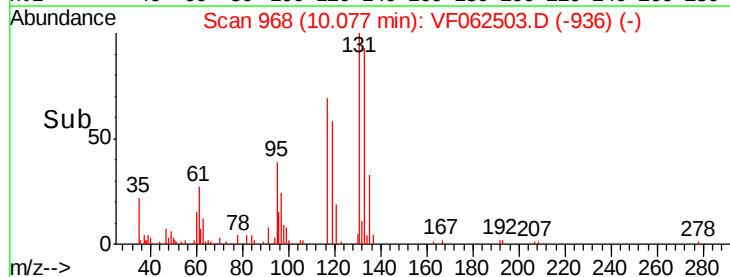
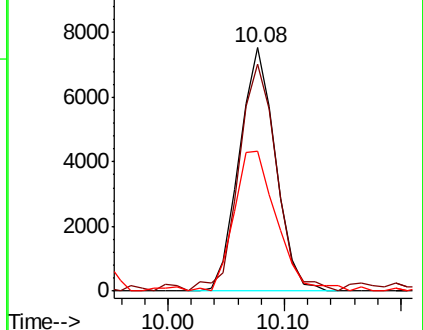
119 68.2 31.6 95.0

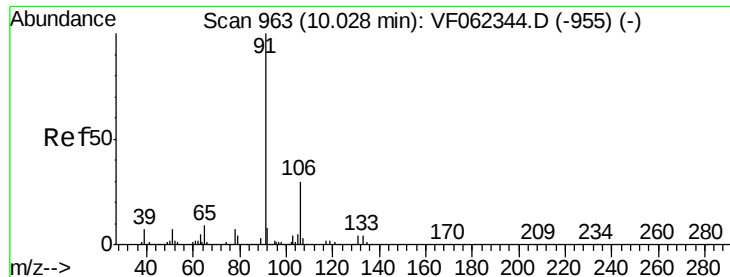


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 36.946 ug/l

RT: 10.05 min Scan# 965

Delta R.T. 0.02 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

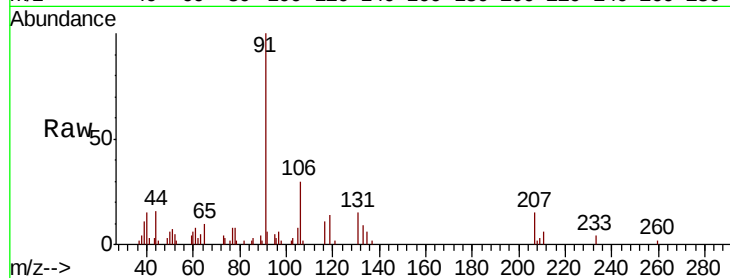
P026-SS012-0002-01MSD

Tot Ion: 91 Resp: 12932

Ion Ratio Lower Upper

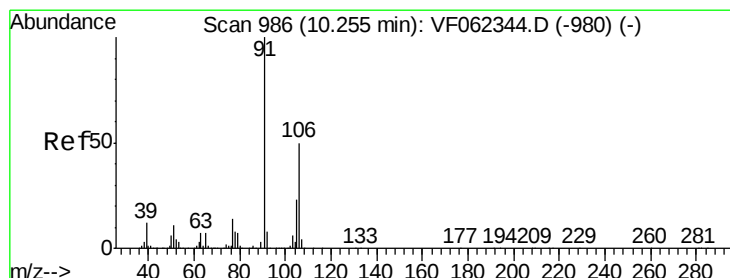
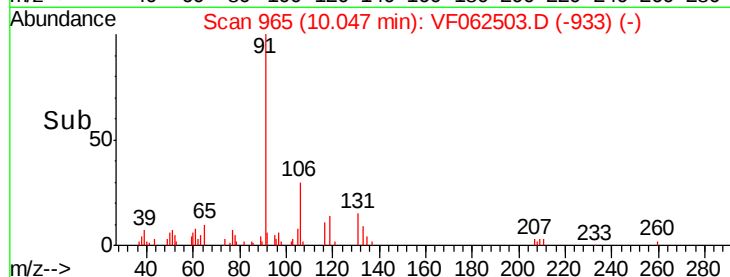
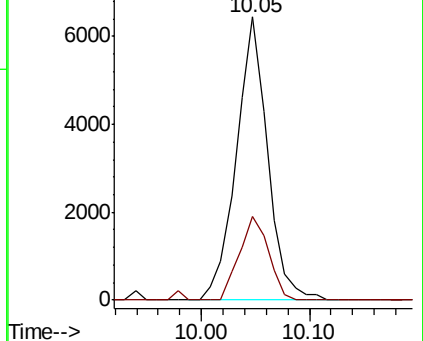
91 100

106 29.5 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 62.798 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.02 min

Lab File: VF062503.D

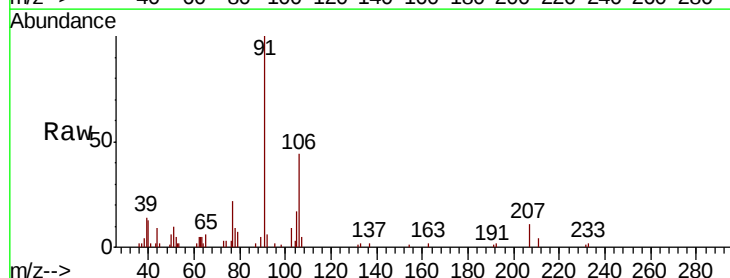
Acq: 12 May 2019 15:17

Tgt Ion: 106 Resp: 8110

Ion Ratio Lower Upper

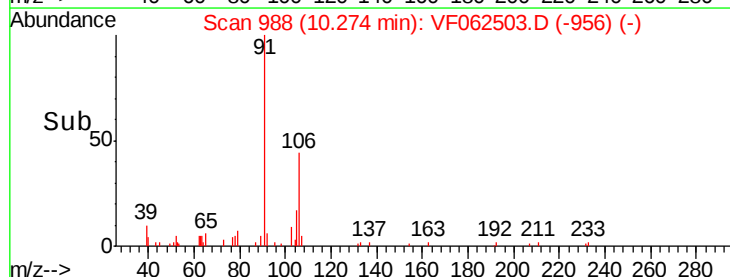
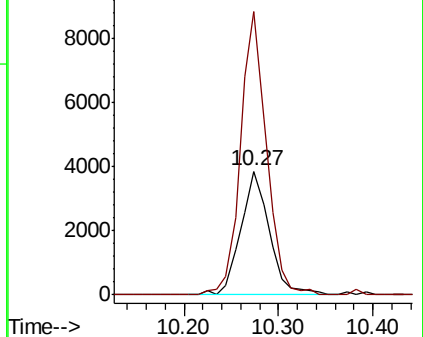
106 100

91 206.4 167.4 251.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

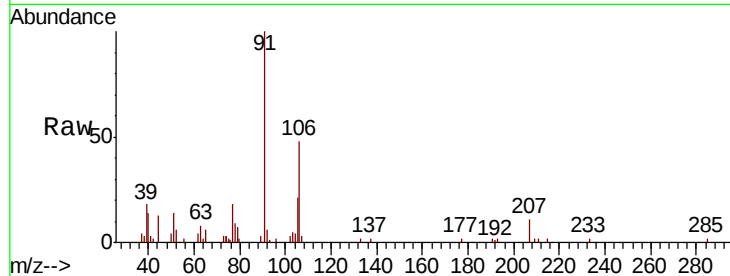




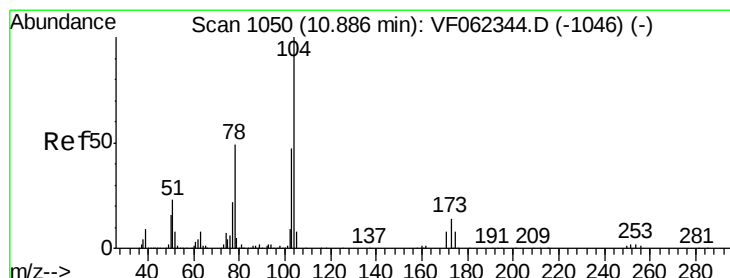
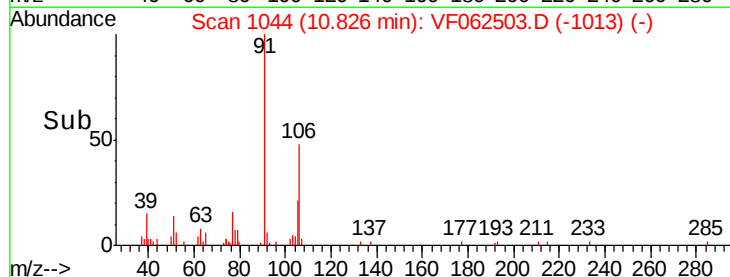
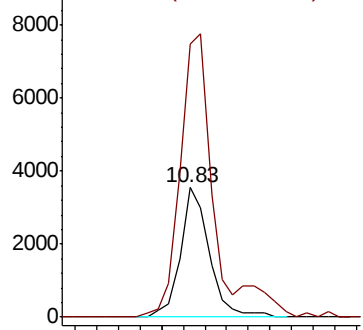
#69
o-Xylene
Concen: 47.223 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

Instrument :
MSVOA_F
ClientSampleId :
P026-SS012-0002-01MSD

Tot Ion:106 Resp: 6590
Ion Ratio Lower Upper
106 100
91 228.6 111.3 333.8

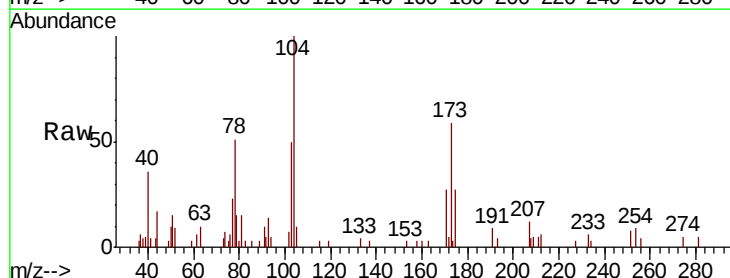


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

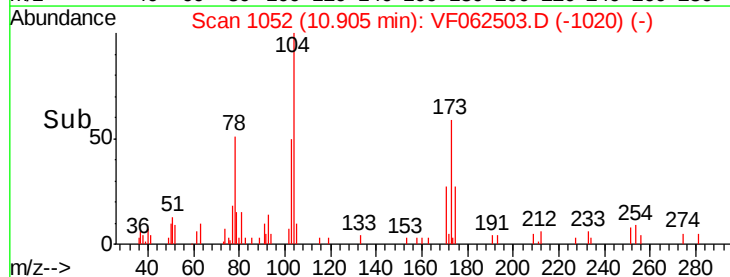
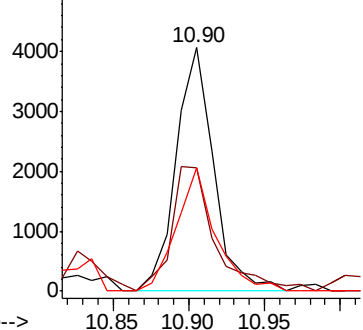


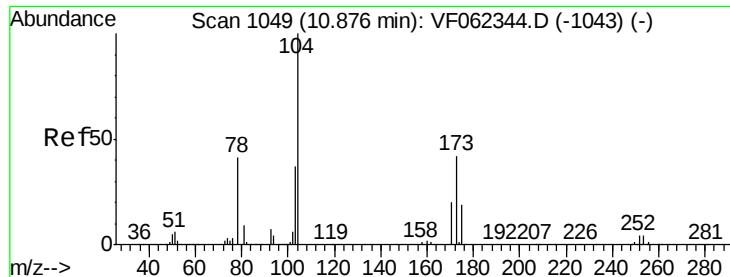
#70
Styrene
Concen: 33.522 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.02 min
Lab File: VF062503.D
Acq: 12 May 2019 15:17

Tgt Ion:104 Resp: 7011
Ion Ratio Lower Upper
104 100
78 59.9 39.5 59.3#
103 53.1 38.4 57.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 164.706 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. 0.01 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

P026-SS012-0002-01MSD

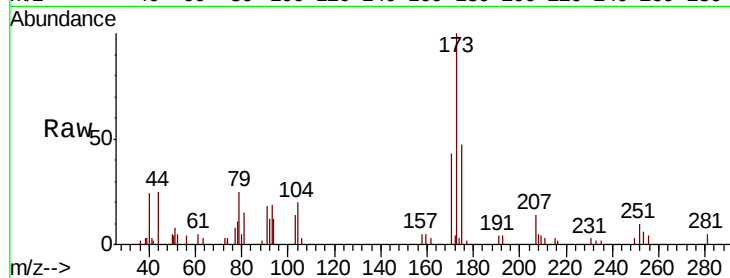
Tot Ion:173 Resp: 9099

Ion Ratio Lower Upper

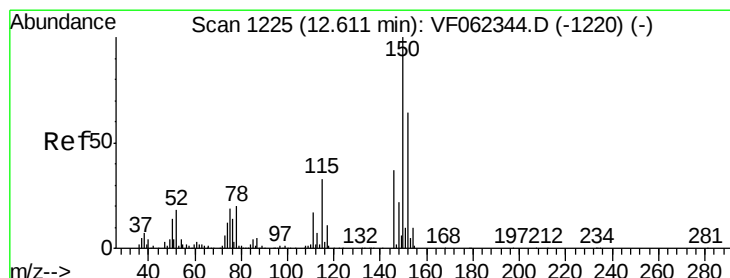
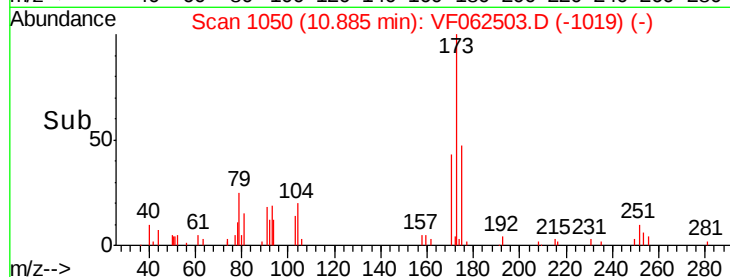
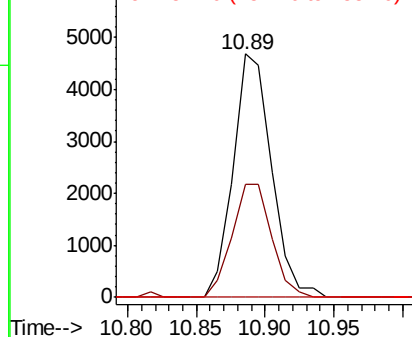
173 100

175 47.9 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: 12.62 min Scan# 1226

Delta R.T. 0.01 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

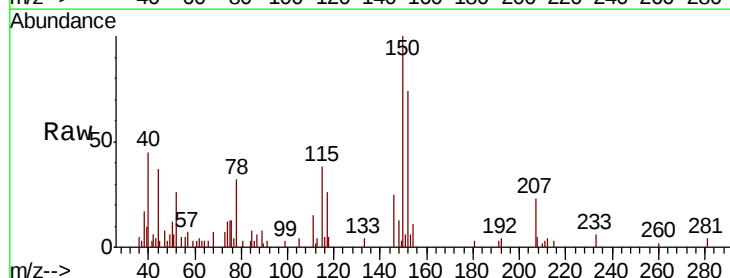
Tgt Ion:152 Resp: 4273

Ion Ratio Lower Upper

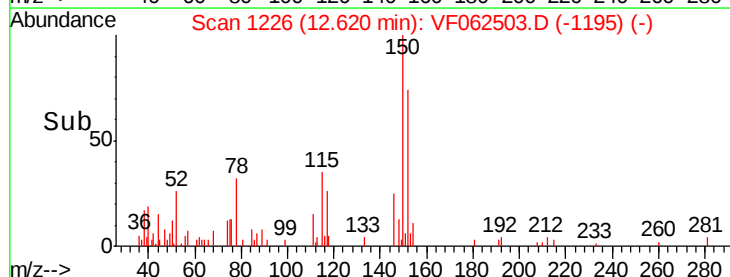
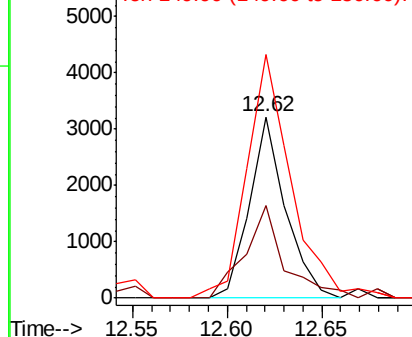
152 100

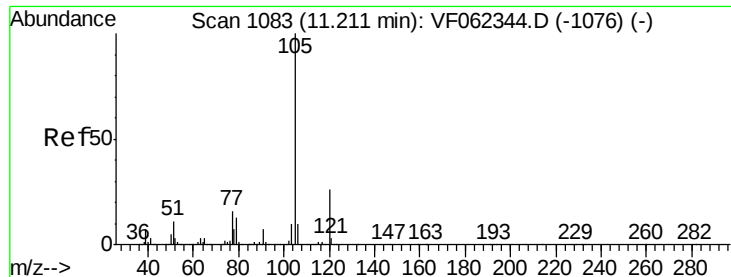
115 58.5 26.4 79.2

150 164.5 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: 49.483 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

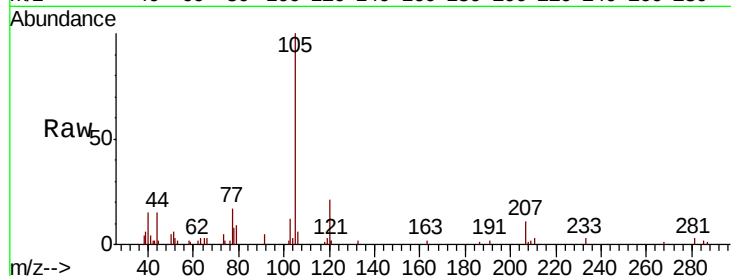
P026-SS012-0002-01MSD

Tot Ion:105 Resp: 12535

Ion Ratio Lower Upper

105 100

120 20.4 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

8000

6000

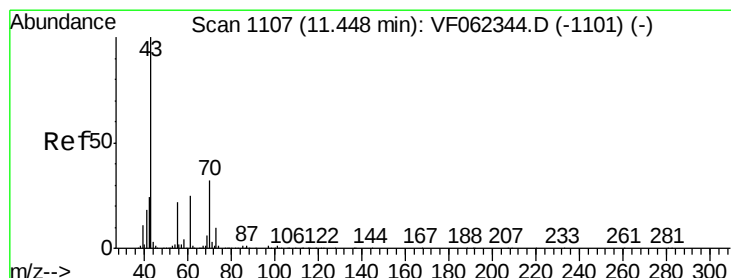
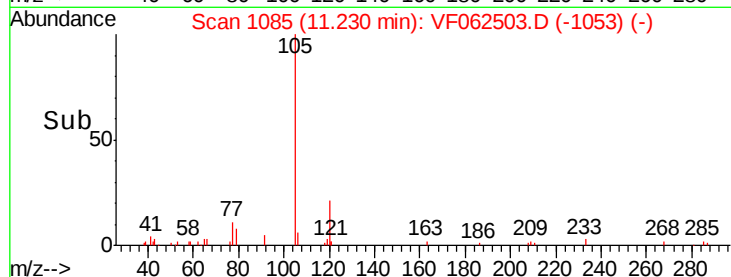
4000

2000

0

11.15 11.20 11.25 11.30

Time-->



#74

N-ethyl acetate

Concen: 10.738 ug/l

RT: 11.48 min Scan# 1110

Delta R.T. 0.03 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Tgt Ion: 43 Resp: 584

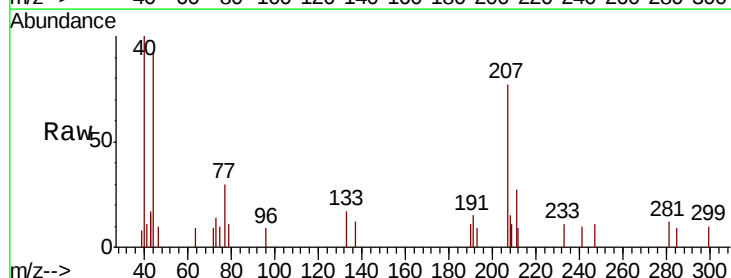
Ion Ratio Lower Upper

43 100

70 45.7 26.5 39.7#

55 50.7 17.8 26.6#

61 0.0 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

600

500

400

300

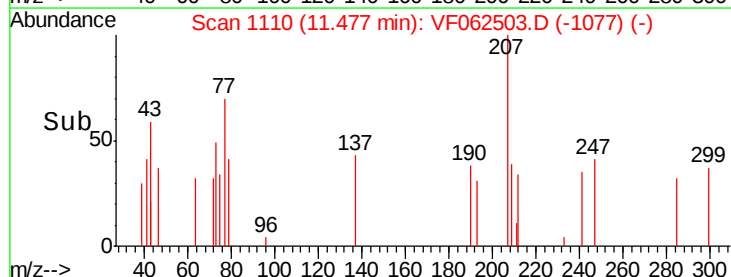
200

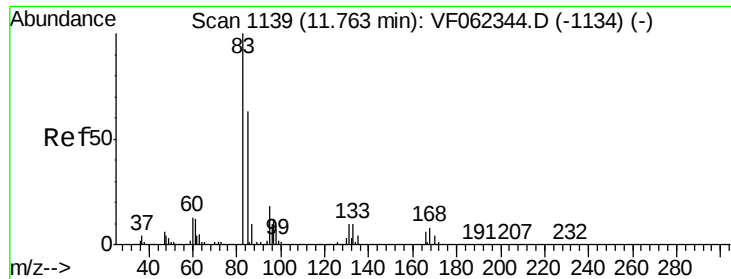
100

0

11.45 11.50

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 498.341 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.02 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

P026-SS012-0002-01MSD

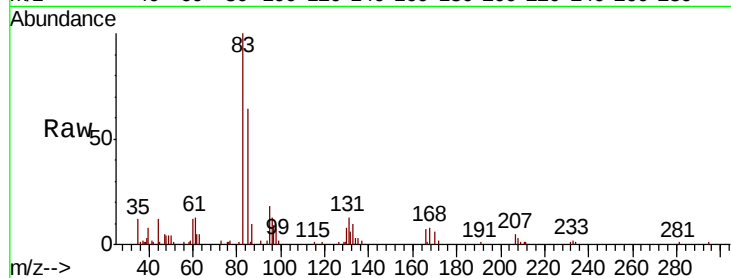
Tot Ion: 83 Resp: 19766

Ion Ratio Lower Upper

83 100

131 13.6 5.8 17.4

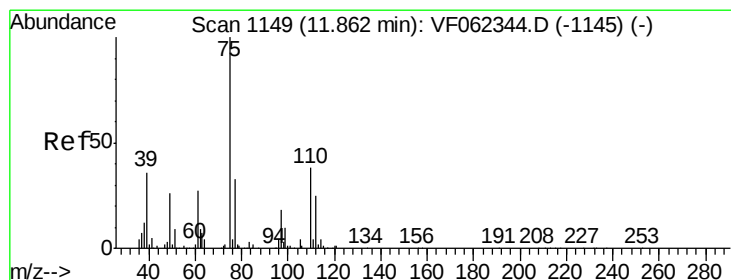
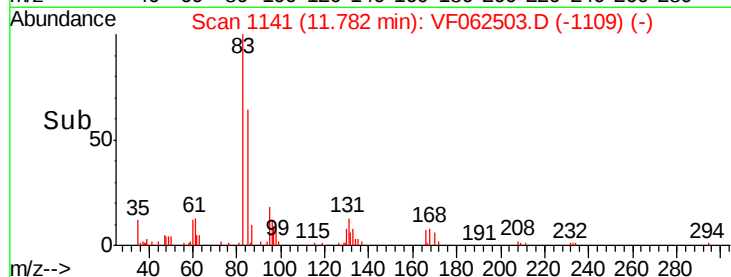
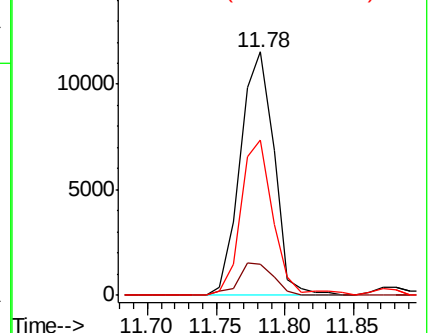
85 61.1 35.3 105.7



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 453.987 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. 0.02 min

Lab File: VF062503.D

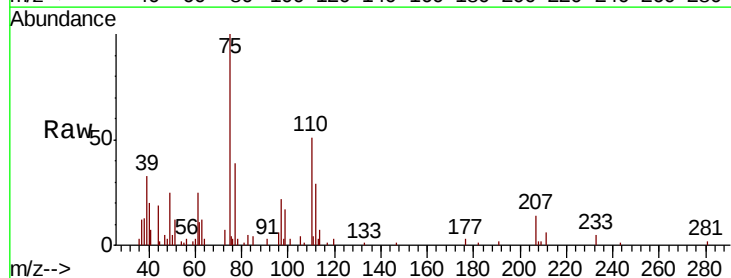
Acq: 12 May 2019 15:17

Tgt Ion: 75 Resp: 13738

Ion Ratio Lower Upper

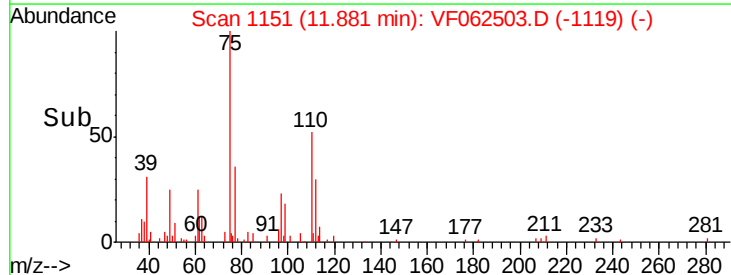
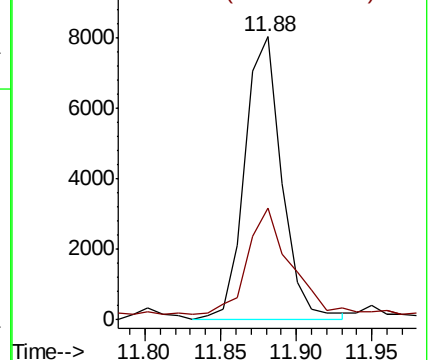
75 100

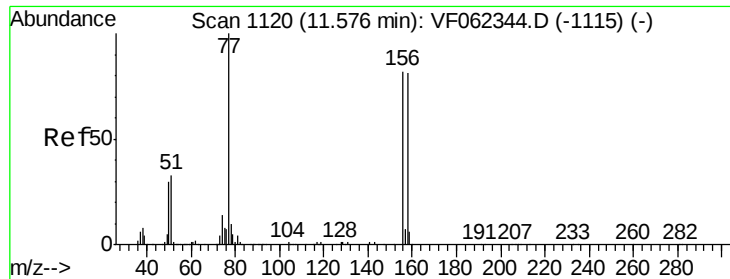
77 51.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 92.941 ug/l

RT: 11.60 min Scan# 1122

Delta R.T. 0.02 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

P026-SS012-0002-01MSD

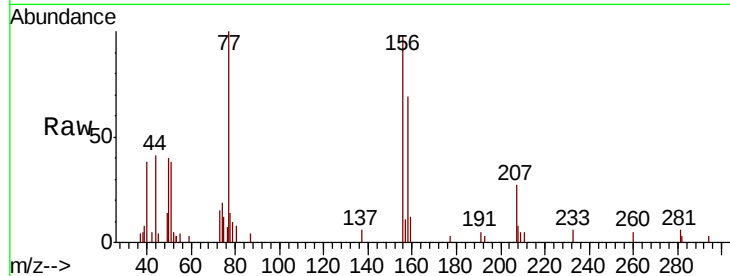
Tot Ion:156 Resp: 6179

Ion Ratio Lower Upper

156 100

77 113.4 64.8 194.3

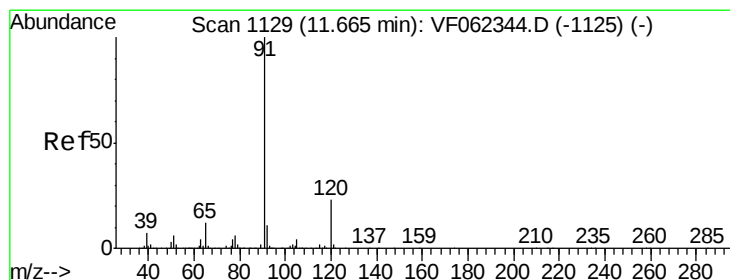
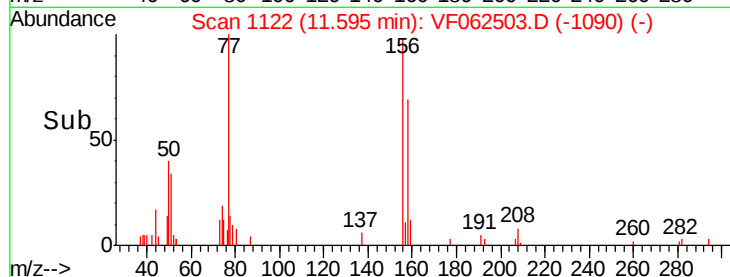
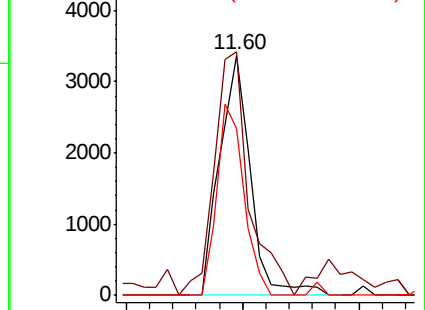
158 69.6 49.1 147.3



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: 28.721 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.02 min

Lab File: VF062503.D

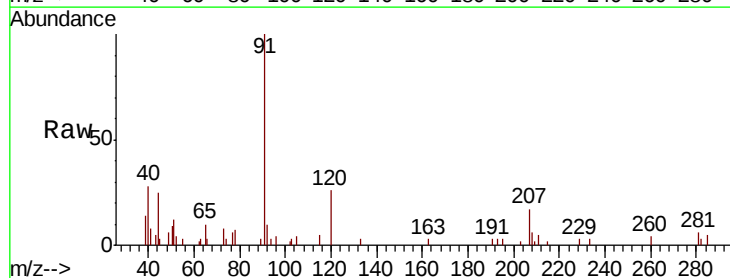
Acq: 12 May 2019 15:17

Tgt Ion: 91 Resp: 7746

Ion Ratio Lower Upper

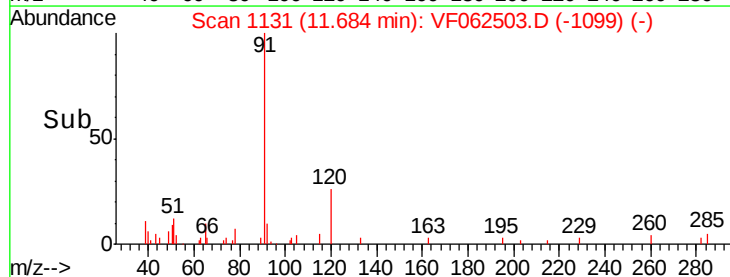
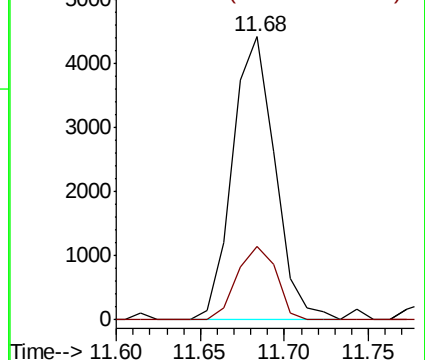
91 100

120 24.0 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: 58.913 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.02 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

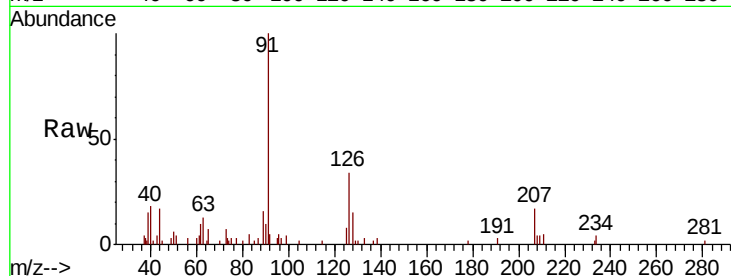
P026-SS012-0002-01MSD

Tot Ion: 91 Resp: 9880

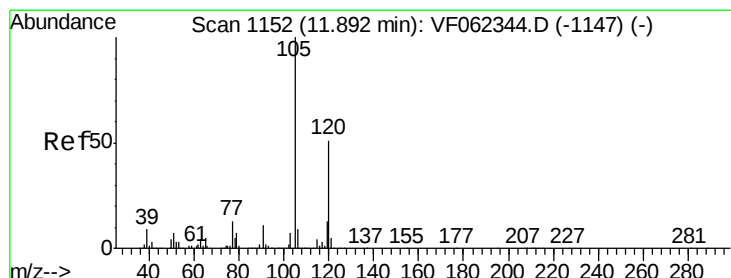
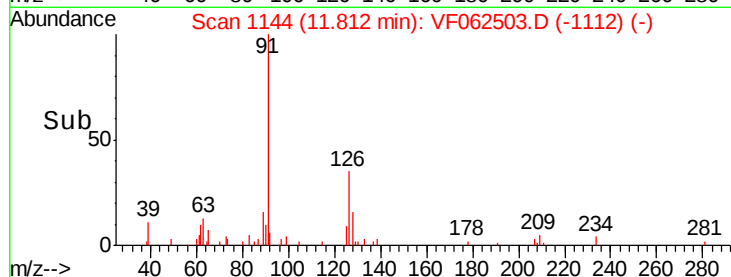
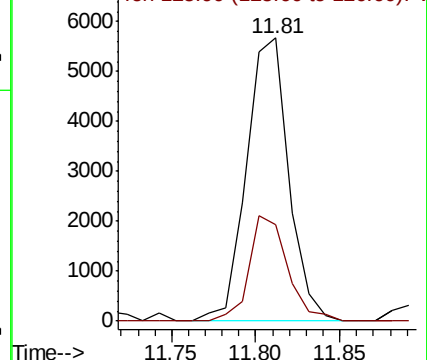
Ion Ratio Lower Upper

91 100

126 33.9 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VF062344.D (-1138) (-)



#80

1,3,5-Trimethylbenzene

Concen: 45.930 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF062503.D

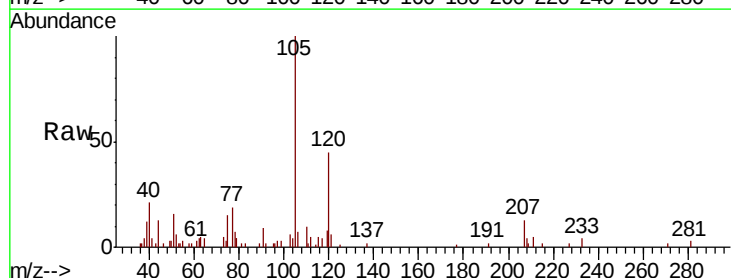
Acq: 12 May 2019 15:17

Tgt Ion: 105 Resp: 10198

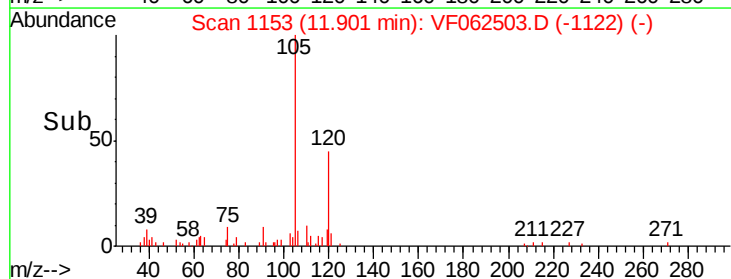
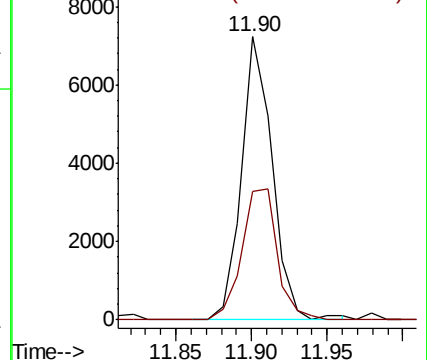
Ion Ratio Lower Upper

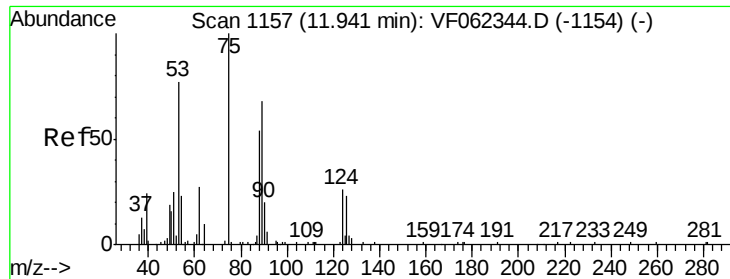
105 100

120 53.6 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VF062344.D (-1147) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 65.584 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. 0.01 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

P026-SS012-0002-01MSD

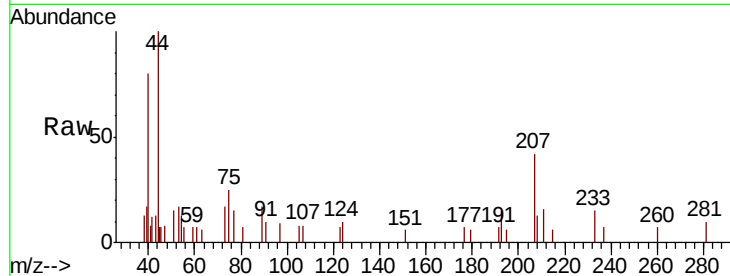
Tot Ion: 75 Resp: 746

Ion Ratio Lower Upper

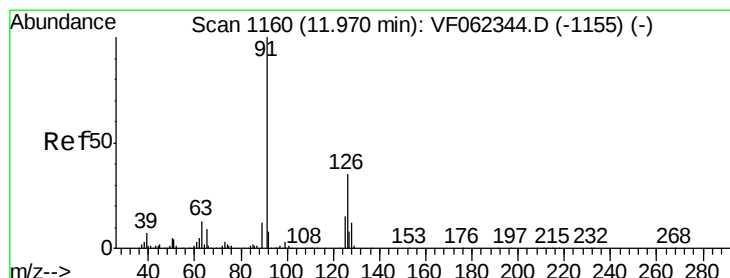
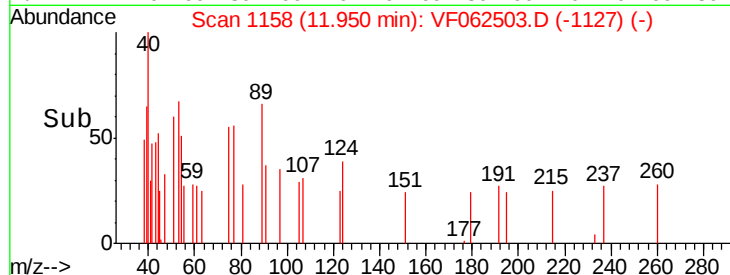
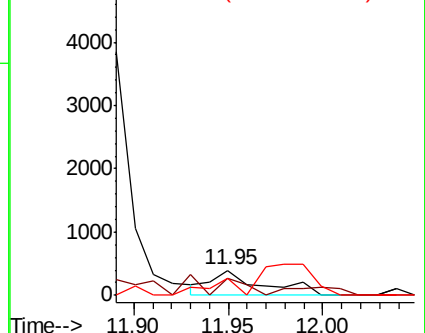
75 100

53 26.8 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: 37.281 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VF062503.D

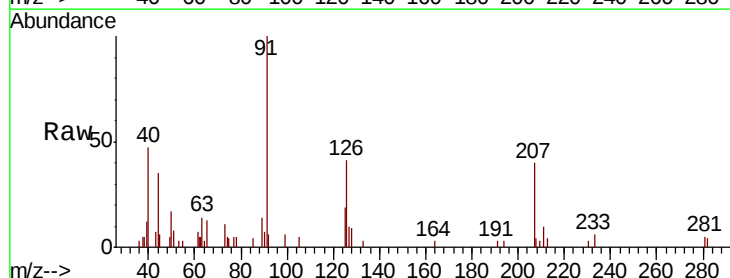
Acq: 12 May 2019 15:17

Tgt Ion: 91 Resp: 6175

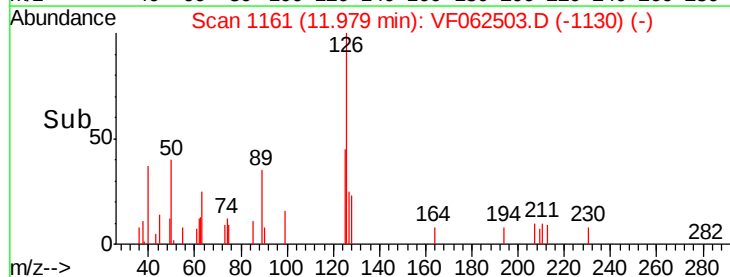
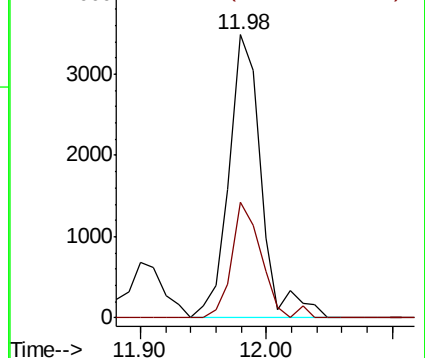
Ion Ratio Lower Upper

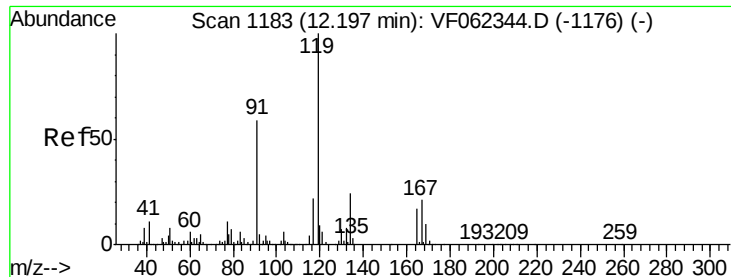
91 100

126 36.3 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: 70.025 ug/l

RT: 12.21 min Scan# 1184

Delta R.T. 0.01 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

P026-SS012-0002-01MSD

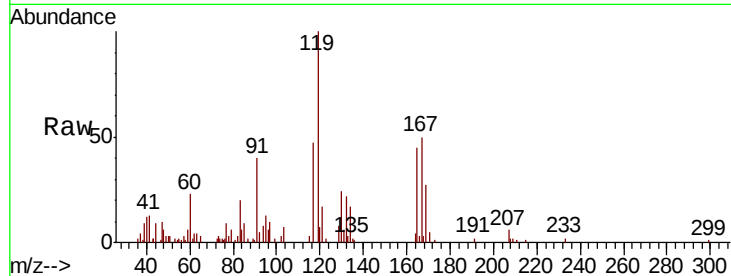
Tot Ion:119 Resp: 16340

Ion Ratio Lower Upper

119 100

91 41.7 30.4 91.3

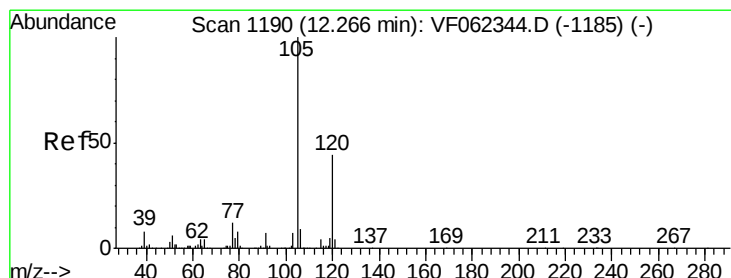
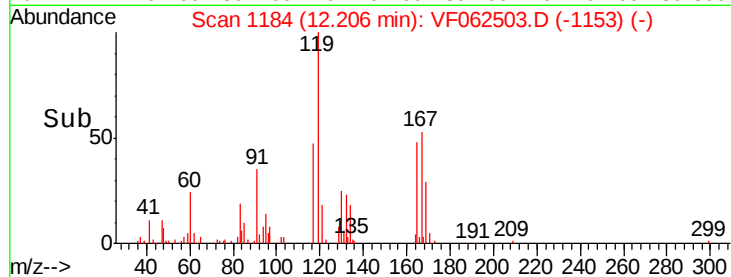
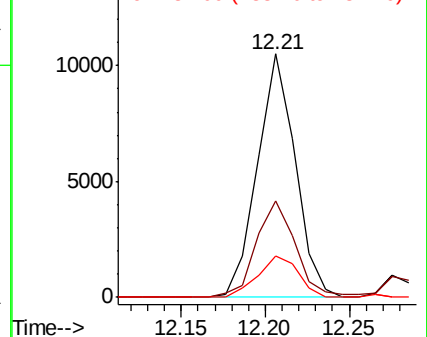
134 18.0 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 44.412 ug/l

RT: 12.28 min Scan# 1191

Delta R.T. 0.01 min

Lab File: VF062503.D

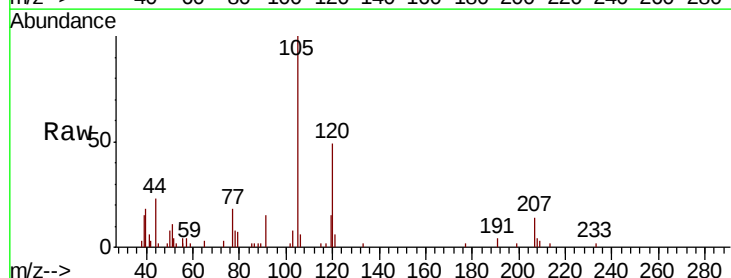
Acq: 12 May 2019 15:17

Tgt Ion:105 Resp: 9650

Ion Ratio Lower Upper

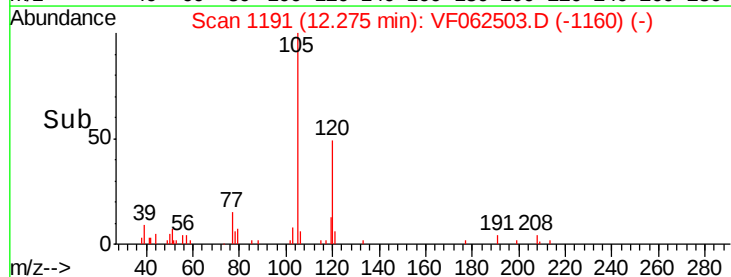
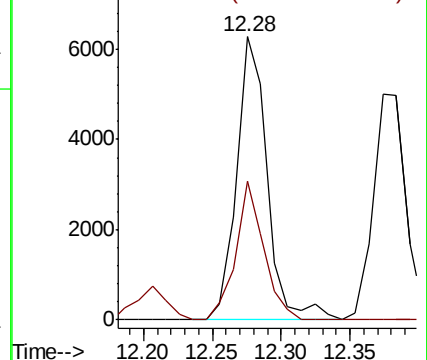
105 100

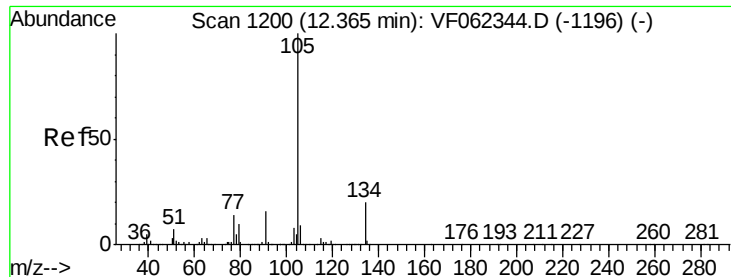
120 45.2 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

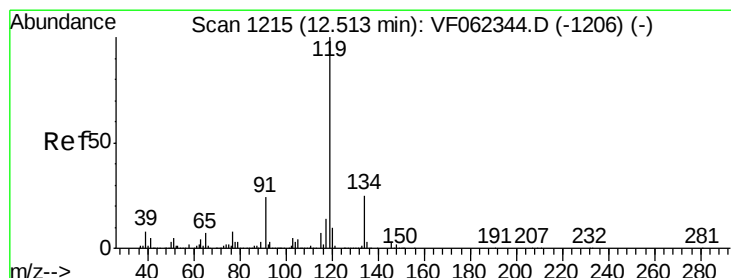
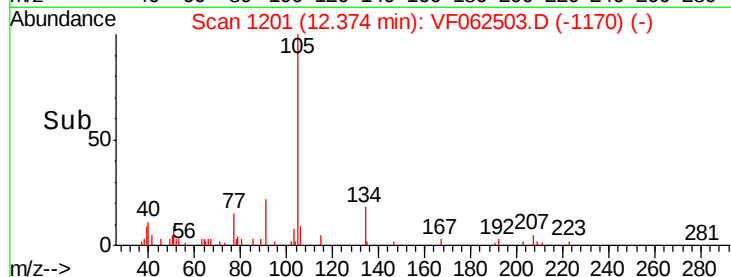
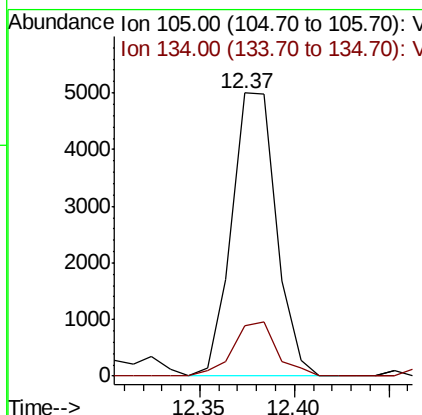
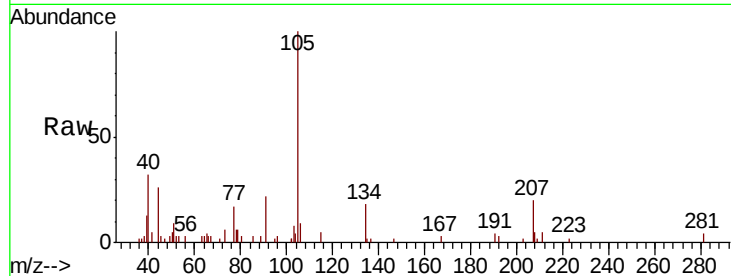




#85
 sec-Butylbenzene
 Concen: 28.705 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VF062503.D
 Acq: 12 May 2019 15:17

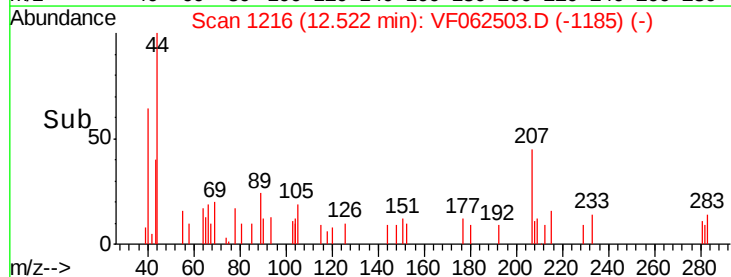
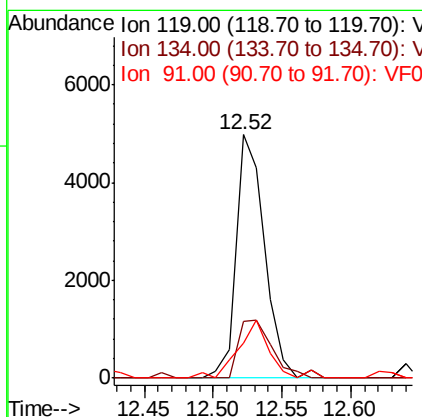
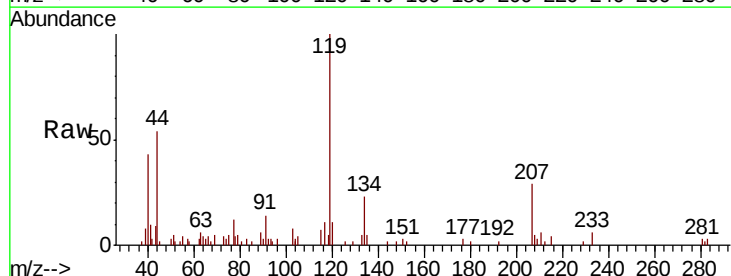
Instrument :
 MSVOA_F
 ClientSampleId :
 P026-SS012-0002-01MSD

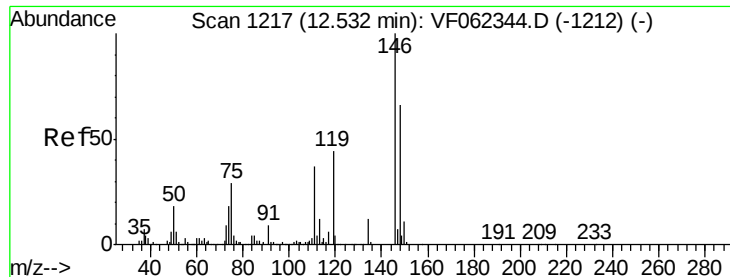
Tot Ion:105 Resp: 8153
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 27.224 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. 0.01 min
 Lab File: VF062503.D
 Acq: 12 May 2019 15:17

Tgt Ion:119 Resp: 7184
 Ion Ratio Lower Upper
 119 100
 134 27.8 12.9 38.7
 91 25.1 12.3 36.8

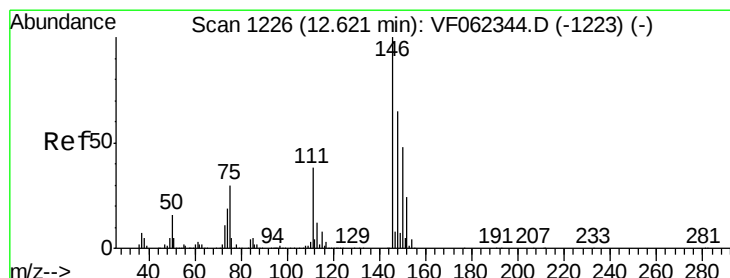
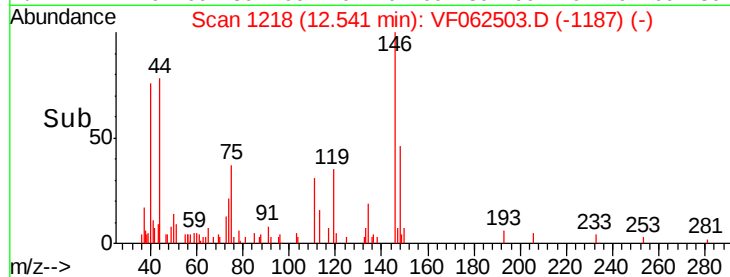
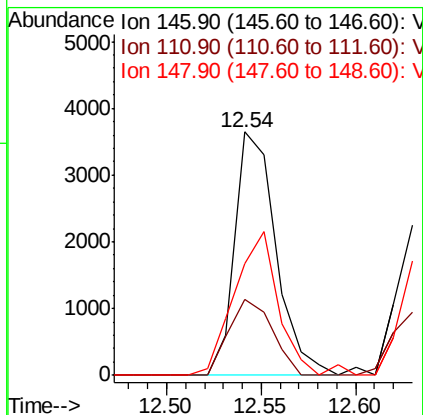
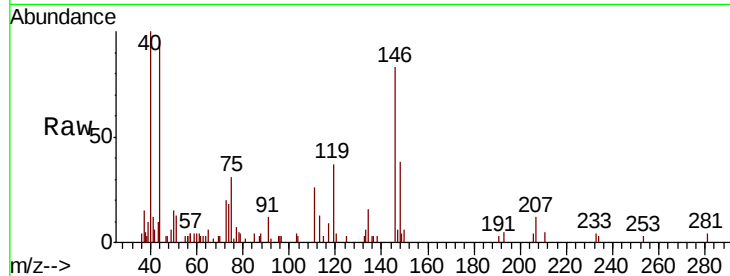




#87
 1,3-Dichlorobenzene
 Concen: 45.248 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VF062503.D
 Acq: 12 May 2019 15:17

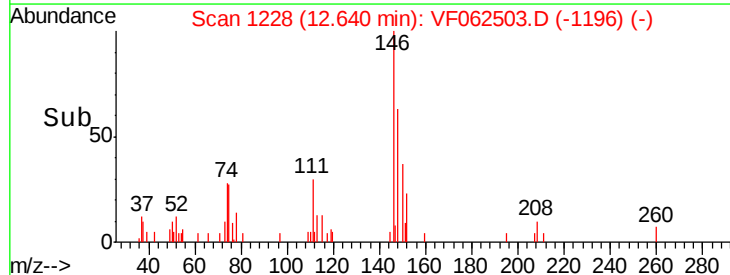
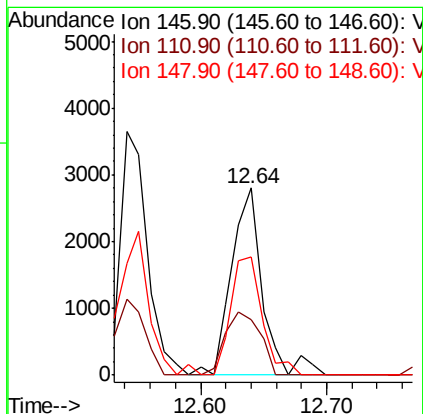
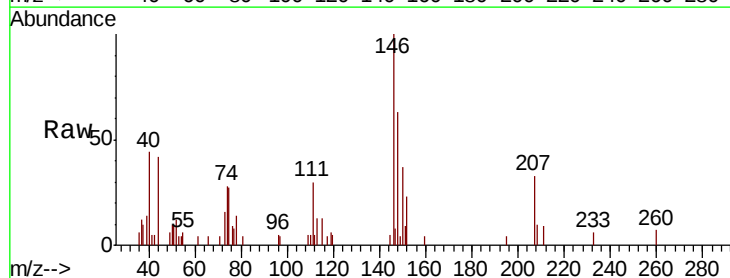
Instrument :
 MSVOA_F
 ClientSampleId :
 P026-SS012-0002-01MSD

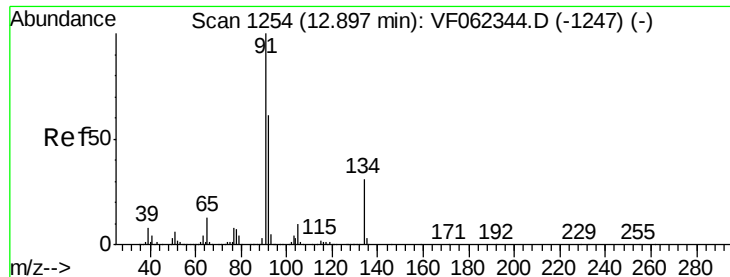
Tot Ion	Ratio	Lower	Upper
146	100		
111	32.9	18.3	54.8
148	64.3	32.3	96.9



#88
 1,4-Dichlorobenzene
 Concen: 40.609 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. 0.02 min
 Lab File: VF062503.D
 Acq: 12 May 2019 15:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.8	56.3
148	64.1	32.2	96.6





#89

n-Butylbenzene

Concen: 13.660 ug/l

RT: 12.91 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

P026-SS012-0002-01MSD

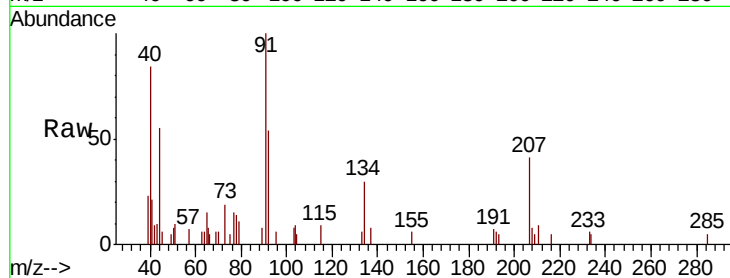
Tot Ion: 91 Resp: 3207

Ion Ratio Lower Upper

91 100

92 60.1 30.0 90.0

134 40.5 14.1 42.4

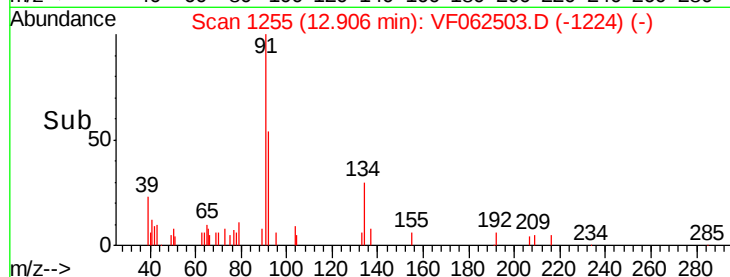


Abundance Ion 91.00 (90.70 to 91.70): VF062344.D (-1247) (-)

Ion 92.00 (91.70 to 92.70): VF062344.D (-1247) (-)

Ion 134.00 (133.70 to 134.70): VF062344.D (-1247) (-)

Time-->

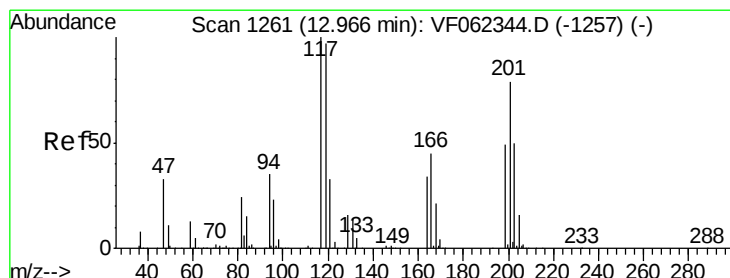


Abundance Ion 91.00 (90.70 to 91.70): VF062503.D (-1224) (-)

Ion 92.00 (91.70 to 92.70): VF062503.D (-1224) (-)

Ion 134.00 (133.70 to 134.70): VF062503.D (-1224) (-)

Time-->



#90

Hexachloroethane

Concen: 38.171 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. 0.02 min

Lab File: VF062503.D

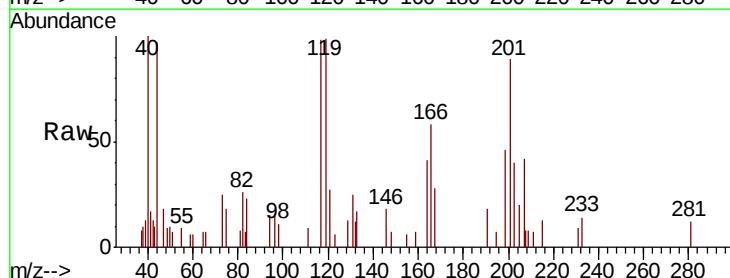
Acq: 12 May 2019 15:17

Tgt Ion: 117 Resp: 2515

Ion Ratio Lower Upper

117 100

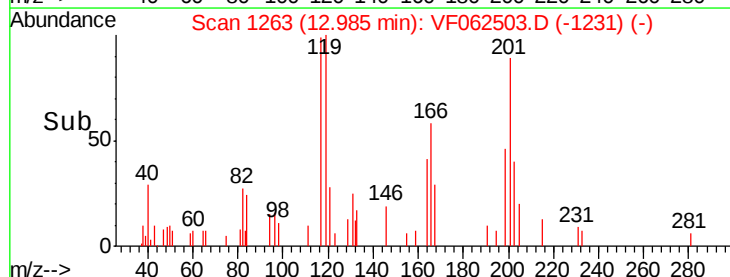
201 91.2 46.2 138.5



Abundance Ion 116.80 (116.50 to 117.50): VF062344.D (-1257) (-)

Ion 200.70 (200.40 to 201.40): VF062344.D (-1257) (-)

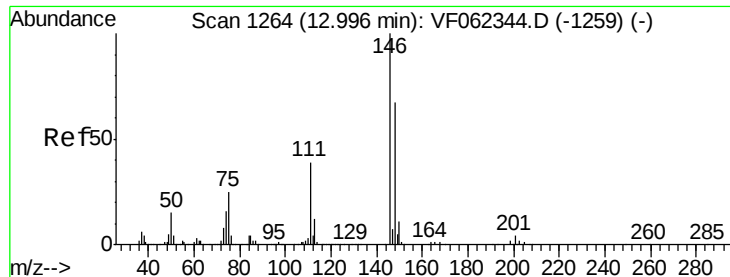
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VF062503.D (-1231) (-)

Ion 200.70 (200.40 to 201.40): VF062503.D (-1231) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 61.349 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

P026-SS012-0002-01MSD

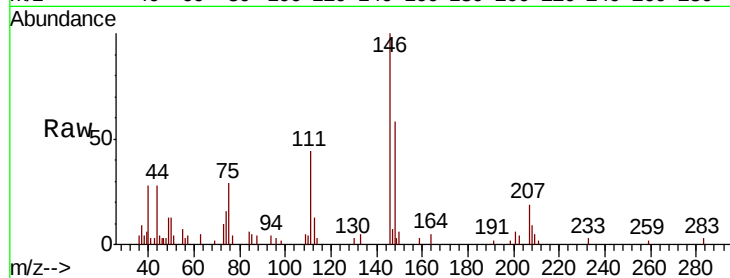
Tot Ion:146 Resp: 7210

Ion Ratio Lower Upper

146 100

111 41.8 20.0 60.0

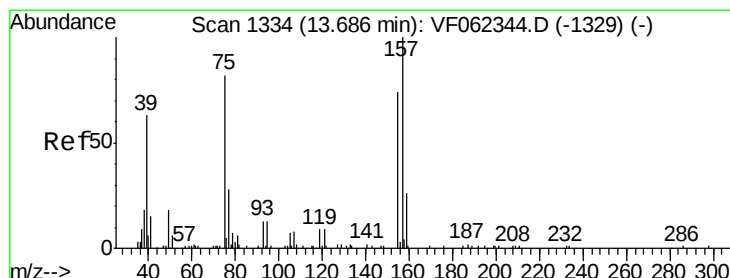
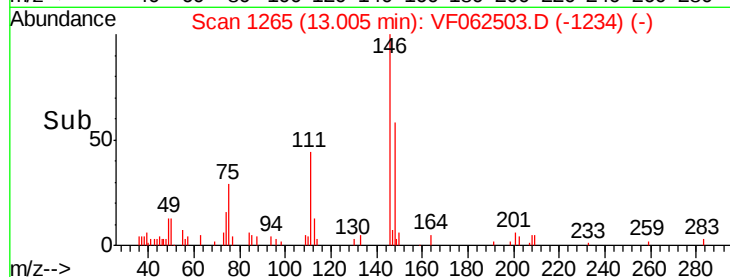
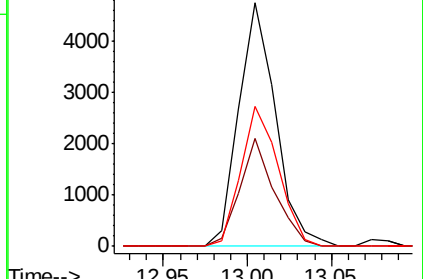
148 58.3 33.1 99.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 280.670 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. 0.01 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

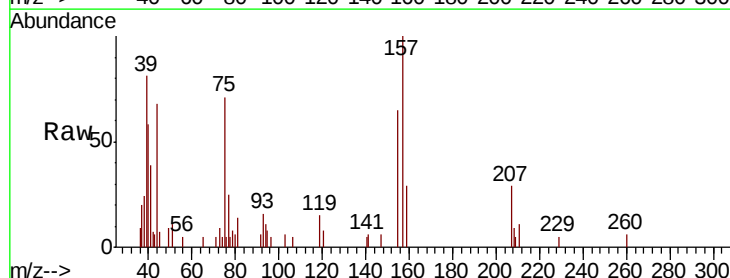
Tgt Ion: 75 Resp: 2494

Ion Ratio Lower Upper

75 100

155 103.8 51.8 155.4

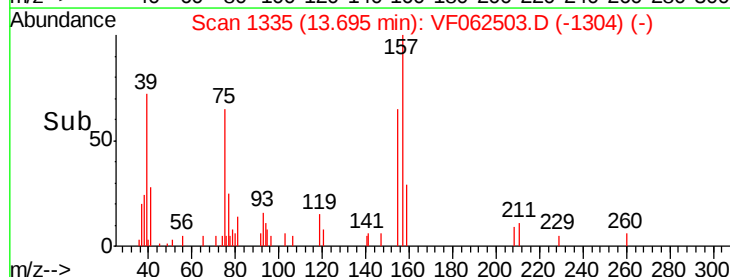
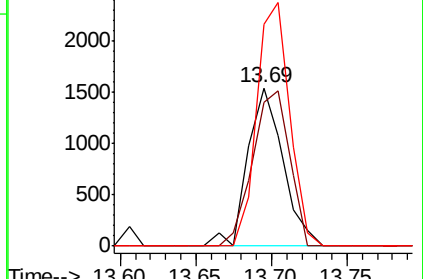
157 144.4 67.3 201.8

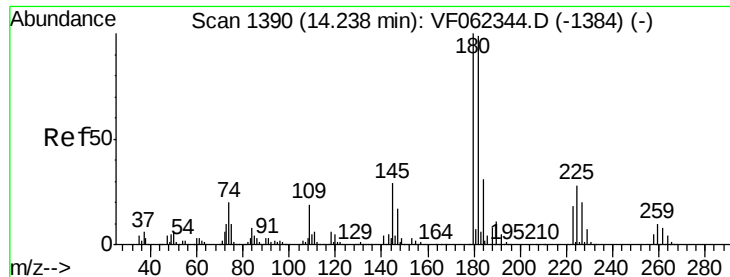


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

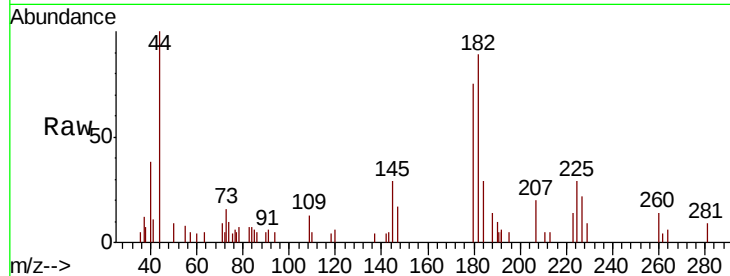




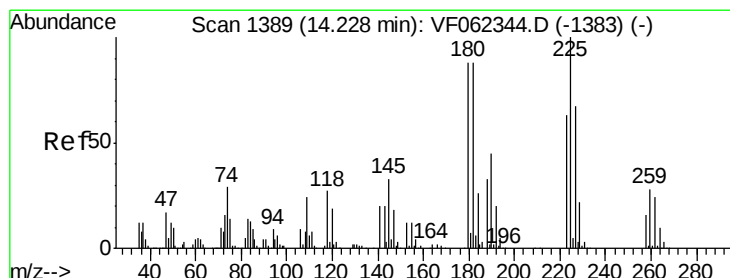
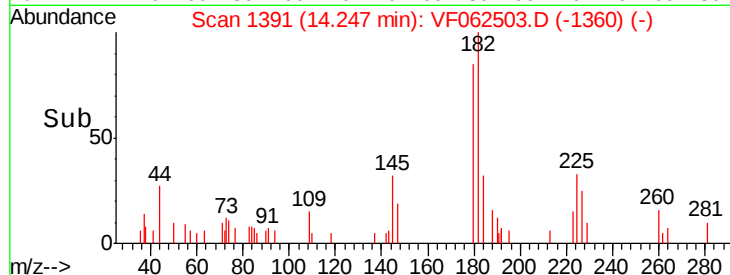
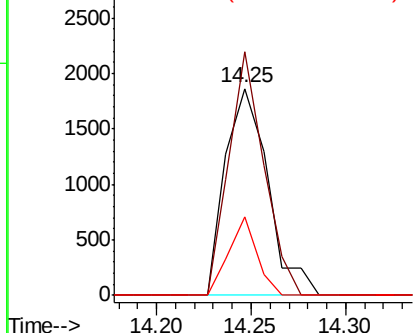
#93
 1,2,4-Trichlorobenzene
 Concen: 27.653 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VF062503.D
 Acq: 12 May 2019 15:17

Instrument :
 MSVOA_F
 ClientSampleId :
 P026-SS012-0002-01MSD

Tot Ion:180 Resp: 2915
 Ion Ratio Lower Upper
 180 100
 182 96.3 49.0 147.0
 145 24.8 16.7 50.1

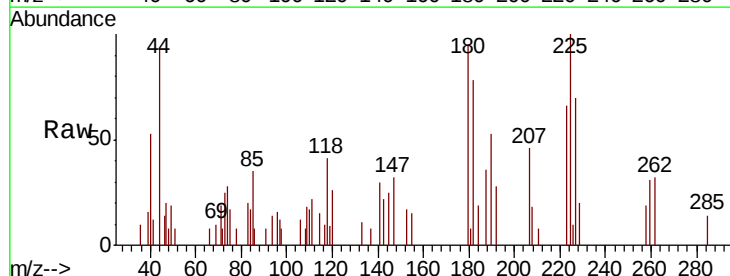


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

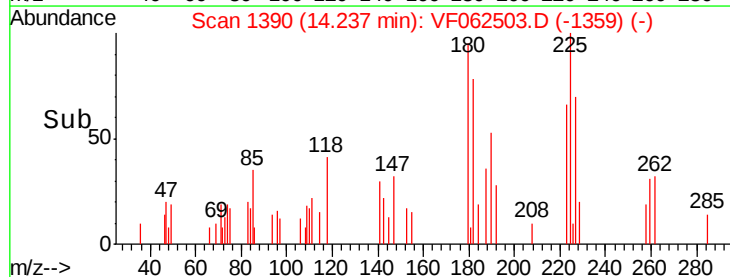
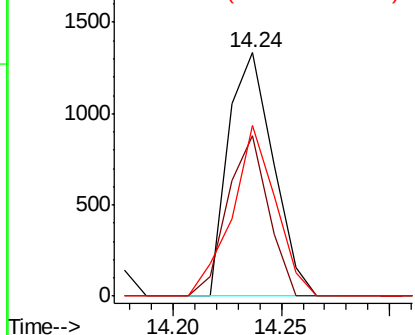


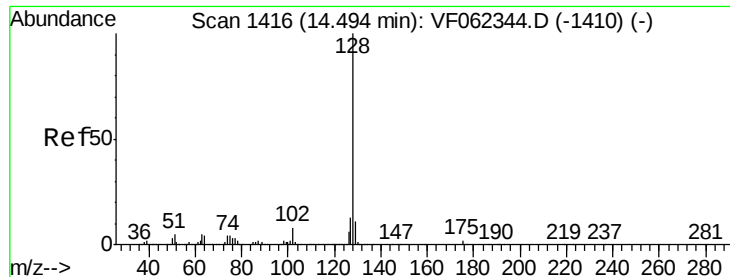
#94
 Hexachlorobutadiene
 Concen: 24.526 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VF062503.D
 Acq: 12 May 2019 15:17

Tgt Ion:225 Resp: 1927
 Ion Ratio Lower Upper
 225 100
 223 59.9 31.9 95.5
 227 68.1 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: 53.274 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. 0.01 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

P026-SS012-0002-01MSD

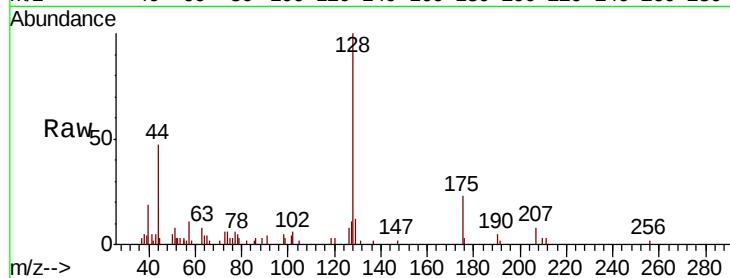
Tot Ion:128 Resp: 8443

Ion Ratio Lower Upper

128 100

127 11.8 10.5 15.7

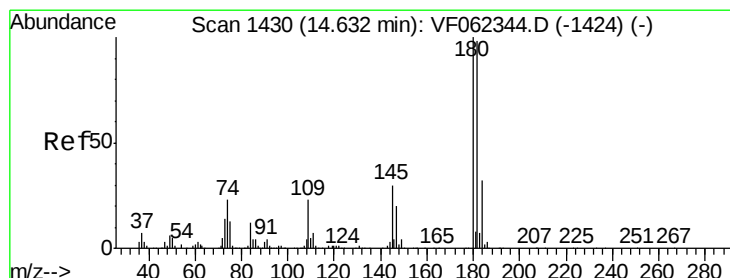
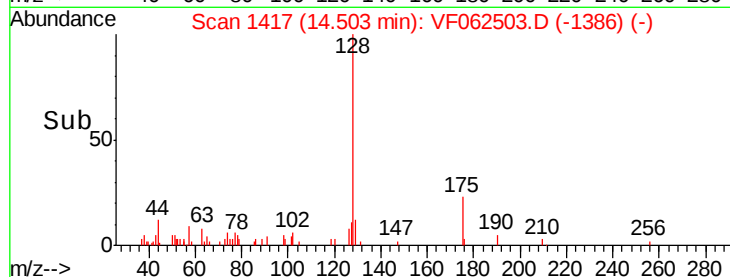
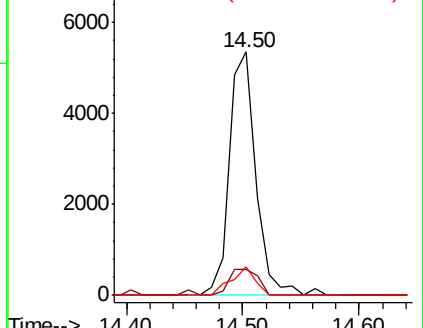
129 10.6 8.6 12.8



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: 34.428 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. 0.01 min

Lab File: VF062503.D

Acq: 12 May 2019 15:17

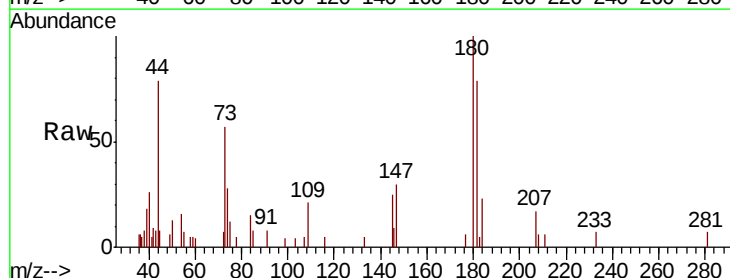
Tgt Ion:180 Resp: 3516

Ion Ratio Lower Upper

180 100

182 81.1 49.4 148.0

145 19.0 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

