

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051219\
 Data File : VF062500.D
 Acq On : 12 May 2019 13:53
 Operator : FY/SY
 Sample : K2734-02
 Misc : 5.77g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P021-SS004-1824-01

Quant Time: May 13 04:44:18 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	852	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.81	114	649	50.00	ug/l	0.04
63) Chlorobenzene-d5	9.96	117	148	50.00	ug/l	0.06
72) 1,4-Dichlorobenzene-d4	12.56	152	63	50.00	ug/l	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.19	65	116	14.41	ug/l	0.17
Spiked Amount				50.000		
			Recovery	=	28.82%	
35) Dibromofluoromethane	4.33	113	337	65.18	ug/l	0.03
Spiked Amount				50.000		
			Recovery	=	130.36%	
50) Toluene-d8	7.74	98	415	33.16	ug/l	0.03
Spiked Amount				50.000		
			Recovery	=	66.32%	
62) 4-Bromofluorobenzene	11.51	95	60	10.63	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	21.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	67	6.795	ug/l #	41
3) Chloromethane	1.17	50	186	28.601	ug/l #	42
4) Vinyl Chloride	1.22	62	61	9.404	ug/l #	42
5) Bromomethane	1.41	94	69	12.199	ug/l	97
6) Chloroethane	1.43	64	66	20.238	ug/l #	41
7) Trichlorofluoromethane	1.53	101	69	5.127	ug/l #	20
8) Diethyl Ether	1.62	74	90	44.195	ug/l	56
9) 1,1,2-Trichlorotrifluoroet	2.02	101	82	10.672	ug/l #	18
10) Methyl Iodide	2.20	142	68	5.370	ug/l #	29
11) Tert butyl alcohol	2.76	59	145	318.638	ug/l #	70
12) 1,1-Dichloroethene	1.88	96	69	10.563	ug/l #	1
13) Acrolein	2.09	56	92	334.181	ug/l #	1
14) Allyl chloride	2.19	41	683	118.366	ug/l #	53
15) Acrylonitrile	3.08	53	98	113.688	ug/l #	29
16) Acetone	2.35	43	185	113.580	ug/l #	62
17) Carbon Disulfide	1.95	76	91	6.389	ug/l #	1
18) Methyl Acetate	2.45	43	64	19.644	ug/l #	1
19) Methyl tert-butyl Ether	2.60	73	570	42.272	ug/l #	61
20) Methylene Chloride	2.42	84	96	16.290	ug/l #	1
21) trans-1,2-Dichloroethene	2.44	96	60	9.641	ug/l #	1
22) Diisopropyl ether	2.98	45	151	8.373	ug/l #	59
23) Vinyl Acetate	3.37	43	133	16.547	ug/l #	79
24) 1,1-Dichloroethane	3.03	63	71	6.514	ug/l #	1
25) 2-Butanone	4.52	43	409	199.871	ug/l #	60
26) 2,2-Dichloropropane	3.65	77	319	52.408	ug/l	89
27) cis-1,2-Dichloroethene	3.40	96	224	28.793	ug/l	28
28) Bromochloromethane	3.90	49	76	15.375	ug/l #	1
29) Tetrahydrofuran	4.27	42	240	255.189	ug/l #	36
30) Chloroform	4.03	83	88	5.976	ug/l	87
31) Cyclohexane	4.13	56	92	10.575	ug/l #	16
32) 1,1,1-Trichloroethane	4.27	97	62	4.913	ug/l #	22
36) 1,1-Dichloropropene	4.54	75	77	13.811	ug/l #	42
37) Ethyl Acetate	4.34	43	82	36.330	ug/l #	73
38) Carbon Tetrachloride	4.08	117	59	7.860	ug/l #	14

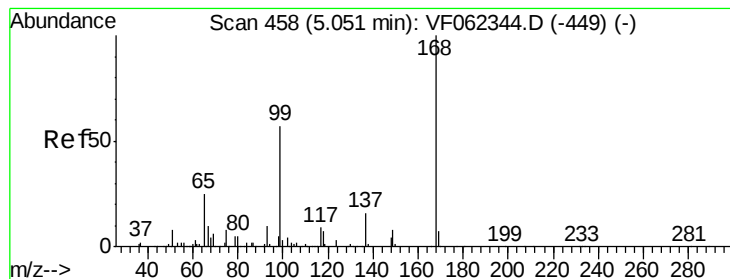
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051219\
 Data File : VF062500.D
 Acq On : 12 May 2019 13:53
 Operator : FY/SY
 Sample : K2734-02
 Misc : 5.77g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P021-SS004-1824-01

Quant Time: May 13 04:44:18 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)
39) Methylcyclohexane	5.76	83	66	11.804	ug/l #	14
40) Benzene	4.87	78	266	21.667	ug/l #	46
41) Methacrylonitrile	4.95	41	66	49.371	ug/l #	38
42) 1,2-Dichloroethane	5.16	62	69	13.438	ug/l #	82
43) Isopropyl Acetate	7.16	43	185	72.954	ug/l #	46
45) 1,2-Dichloropropane	6.54	63	76	27.331	ug/l #	43
46) Dibromomethane	6.46	93	85	36.867	ug/l #	35
47) Bromodichloromethane	6.67	83	61	10.582	ug/l #	27
48) Methyl methacrylate	6.91	41	397	221.533	ug/l #	56
49) 1,4-Dioxane	7.01	88	80	4384.748	ug/l #	1
51) 4-Methyl-2-Pentanone	8.37	43	174	90.553	ug/l	100
53) t-1,3-Dichloropropene	8.47	75	61	13.992	ug/l #	43
54) cis-1,3-Dichloropropene	7.50	75	111	21.877	ug/l #	22
56) Ethyl methacrylate	8.83	69	231	91.018	ug/l #	1
57) 1,3-Dichloropropane	9.07	76	70	19.275	ug/l #	42
58) 2-Chloroethyl Vinyl ether	7.50	63	63	82.567	ug/l #	42
59) 2-Hexanone	9.74	43	92	69.229	ug/l	73
61) 1,2-Dibromoethane	9.28	107	81	28.665	ug/l	81
64) Tetrachloroethene	8.53	164	75	62.422	ug/l #	1
65) Chlorobenzene	10.10	112	66	26.952	ug/l #	43
66) 1,1,1,2-Tetrachloroethane	10.15	131	60	48.570	ug/l #	1
67) Ethyl Benzene	10.10	91	67	15.625	ug/l #	45
68) m/p-Xylenes	10.05	106	64	40.452	ug/l #	1
70) Styrene	10.93	104	66	25.759	ug/l #	28
71) Bromoform	10.82	173	76	112.297	ug/l #	1
73) Isopropylbenzene	11.22	105	63	16.868	ug/l #	50
74) N-amyl acetate	11.44	43	196	244.441	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	11.69	83	67	114.571	ug/l #	1
76) 1,2,3-Trichloropropane	11.85	75	112	251.032	ug/l #	100
78) n-propylbenzene	11.66	91	86	21.628	ug/l #	52
79) 2-Chlorotoluene	11.83	91	65	26.288	ug/l #	1
80) 1,3,5-Trimethylbenzene	11.90	105	114	34.824	ug/l #	28
81) trans-1,4-Dichloro-2-buten	11.93	75	166	989.833	ug/l #	5
82) 4-Chlorotoluene	12.01	91	63	25.798	ug/l #	1
83) tert-Butylbenzene	12.20	119	109	31.683	ug/l #	29
84) 1,2,4-Trimethylbenzene	12.26	105	72	22.475	ug/l #	31
85) sec-Butylbenzene	12.41	105	86	20.537	ug/l #	57
86) p-Isopropyltoluene	12.46	119	76	19.534	ug/l #	50
87) 1,3-Dichlorobenzene	12.60	146	63	35.192	ug/l #	11
88) 1,4-Dichlorobenzene	12.60	146	63	36.462	ug/l #	12
89) n-Butylbenzene	12.88	91	115	33.223	ug/l #	30
90) Hexachloroethane	12.96	117	85	87.499	ug/l #	3
91) 1,2-Dichlorobenzene	13.11	146	74	42.707	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.69	75	91	694.598	ug/l #	1
95) Naphthalene	14.50	128	63	26.962	ug/l #	69

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 461

Delta R.T. 0.02 min

Lab File: VF062500.D

Acq: 12 May 2019 13:53

Instrument :

MSVOA_F

ClientSampleId :

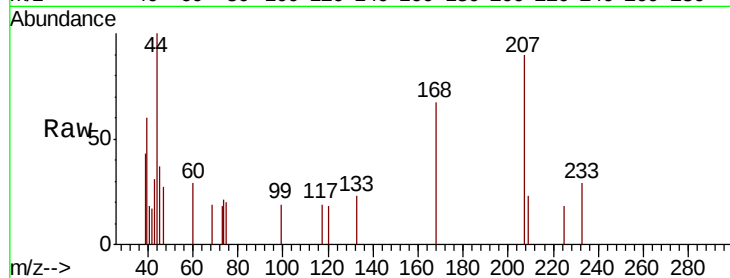
P021-SS004-1824-01

Tot Ion:168 Resp: 852

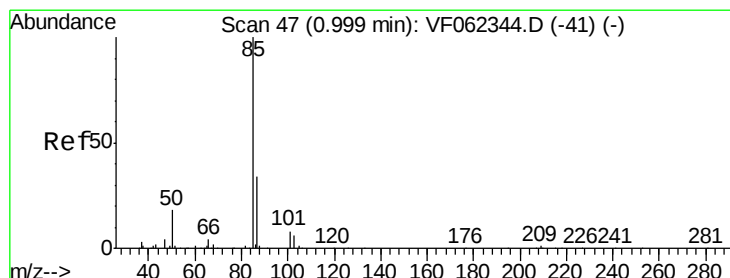
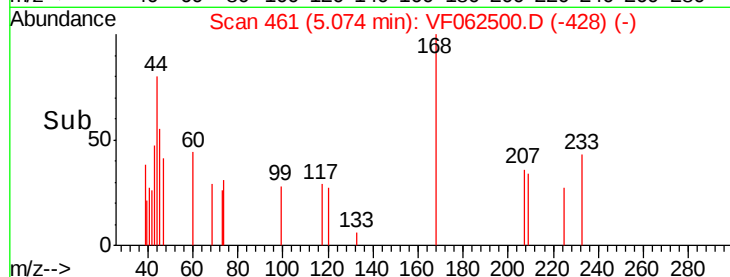
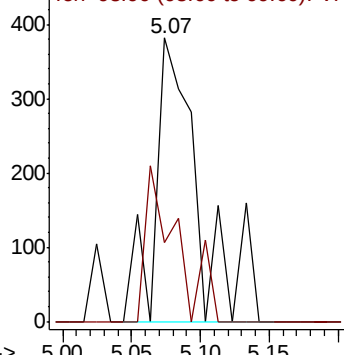
Ion Ratio Lower Upper

168 100

99 28.0 45.9 68.9#



Abundance Ion 167.90 (167.60 to 168.60): VF0



#2

Dichlorodifluoromethane

Concen: 6.795 ug/l

RT: 0.99 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF062500.D

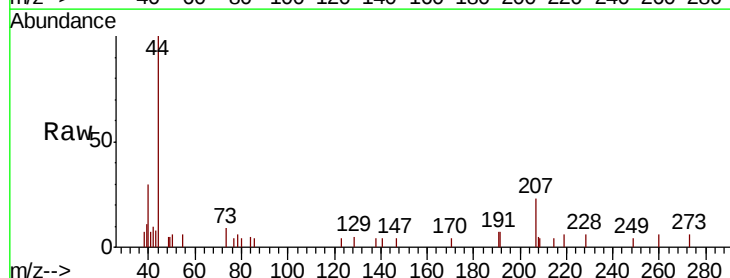
Acq: 12 May 2019 13:53

Tgt Ion: 85 Resp: 67

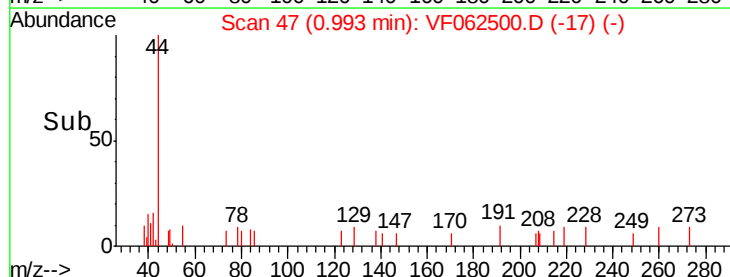
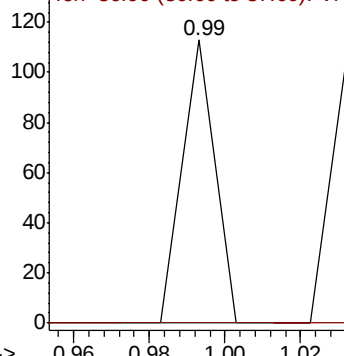
Ion Ratio Lower Upper

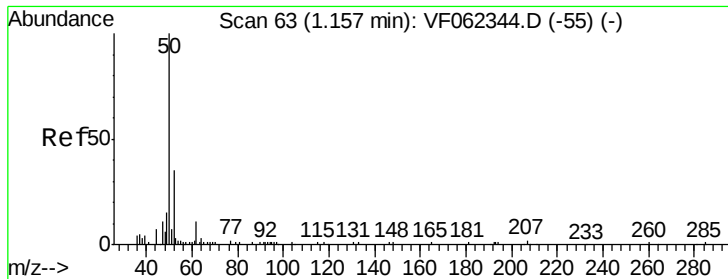
85 100

87 0.0 16.8 50.4#



Abundance Ion 84.90 (84.60 to 85.60): VF0





#3

Chloromethane

Concen: 28.601 ug/l

RT: 1.17 min Scan# 65

Delta R.T. 0.01 min

Lab File: VF062500.D

Acq: 12 May 2019 13:53

Instrument :

MSVOA_F

ClientSampleId :

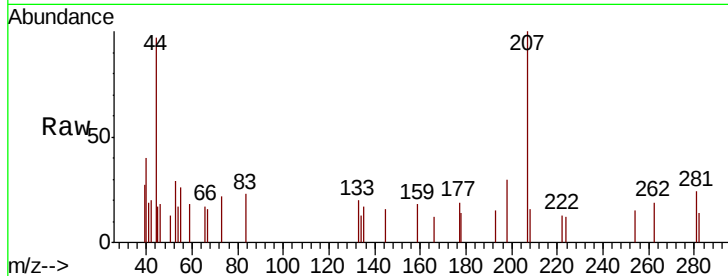
P021-SS004-1824-01

Tot Ion: 50 Resp: 186

Ion Ratio Lower Upper

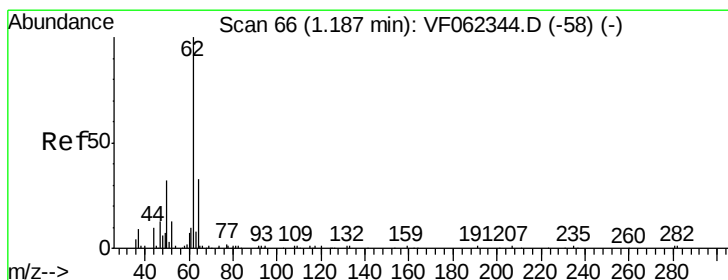
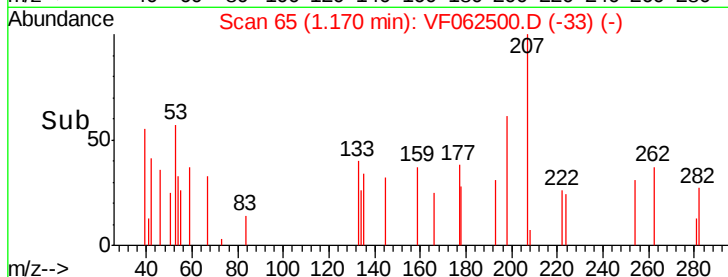
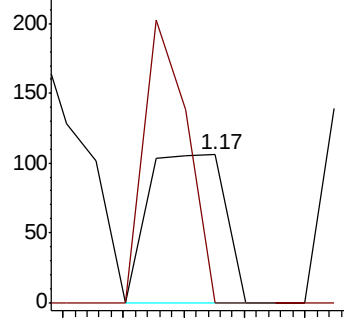
50 100

52 0.0 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: 9.404 ug/l

RT: 1.22 min Scan# 70

Delta R.T. 0.03 min

Lab File: VF062500.D

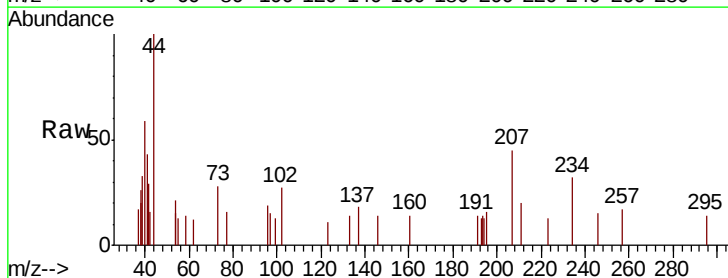
Acq: 12 May 2019 13:53

Tgt Ion: 62 Resp: 61

Ion Ratio Lower Upper

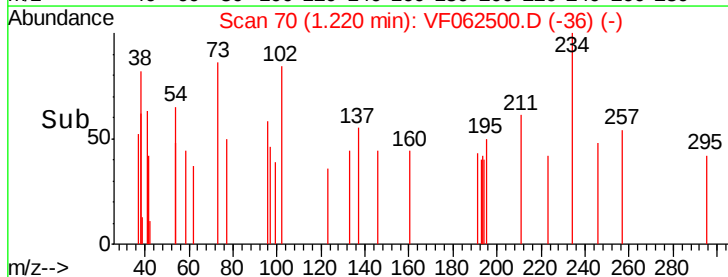
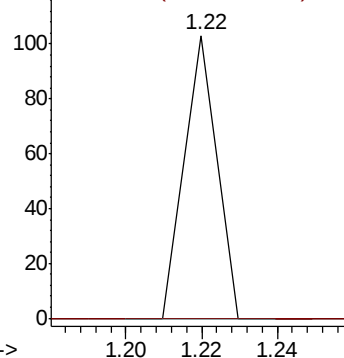
62 100

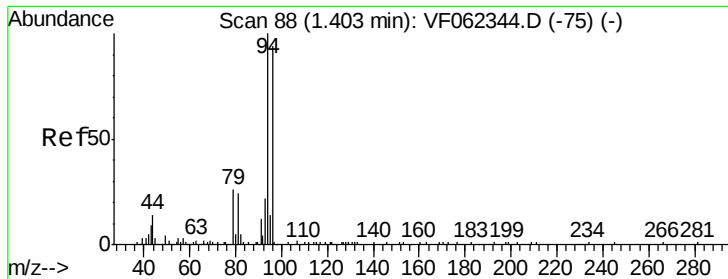
64 0.0 26.1 39.1#



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 63.90 (63.60 to 64.60): VF0





#5

Bromomethane

Concen: 12.199 ug/l

RT: 1.41 min Scan# 89

Delta R.T. 0.00 min

Lab File: VF062500.D

Acq: 12 May 2019 13:53

Instrument :

MSVOA_F

ClientSampleId :

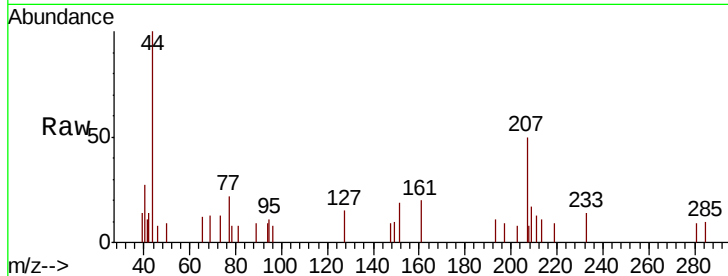
P021-SS004-1824-01

Tot Ion: 94 Resp: 69

Ion Ratio Lower Upper

94 100

96 91.5 75.4 113.2



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0

150

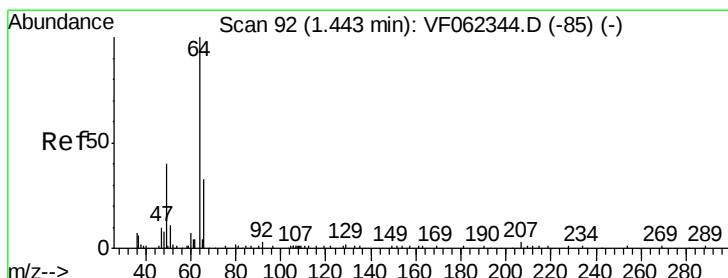
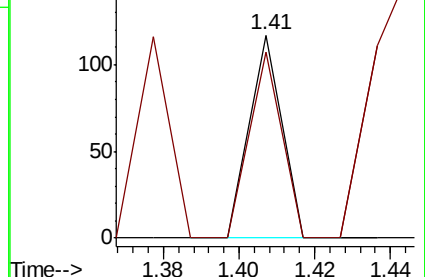
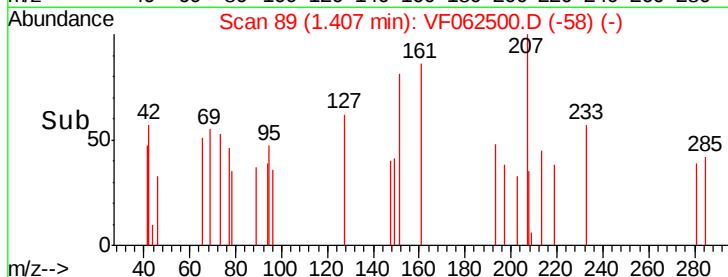
100

50

0

1.38 1.40 1.42 1.44

Time-->



#6

Chloroethane

Concen: 20.238 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.02 min

Lab File: VF062500.D

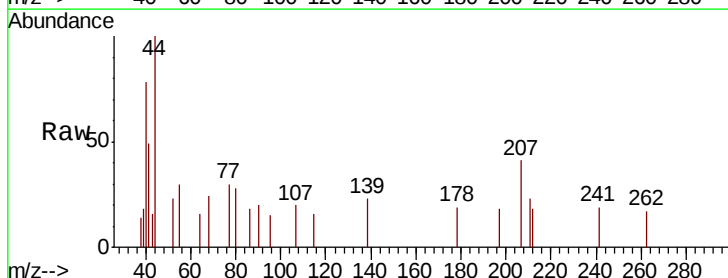
Acq: 12 May 2019 13:53

Tgt Ion: 64 Resp: 66

Ion Ratio Lower Upper

64 100

66 0.0 26.6 39.8#



Abundance Ion 63.90 (63.60 to 64.60): VF0

Ion 65.90 (65.60 to 66.60): VF0

120

100

80

60

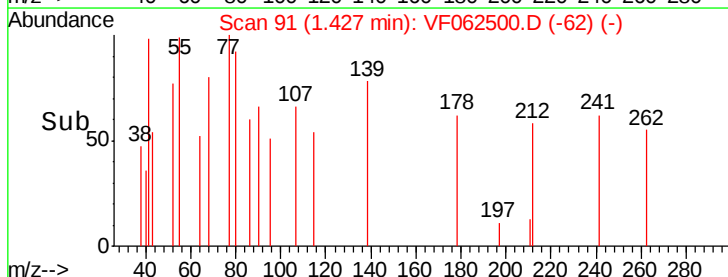
40

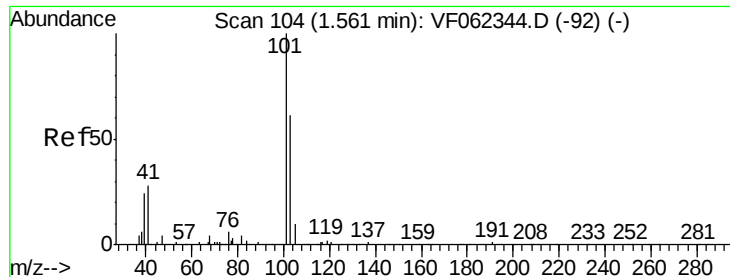
20

0

1.40 1.42 1.44 1.46

Time-->



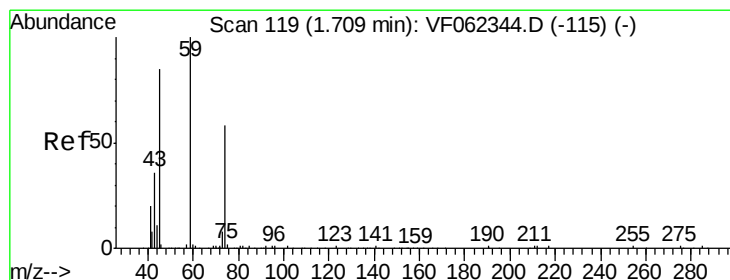
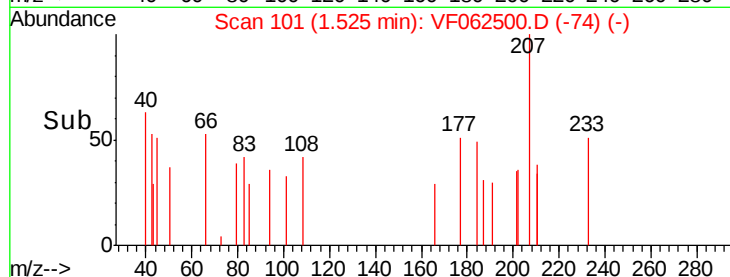
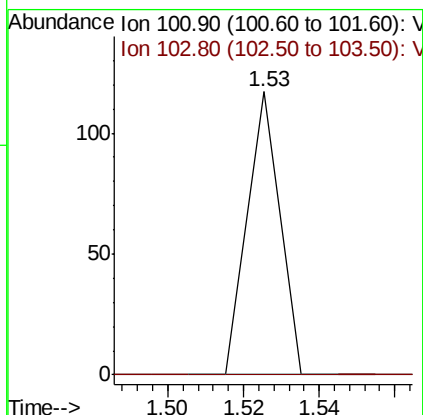
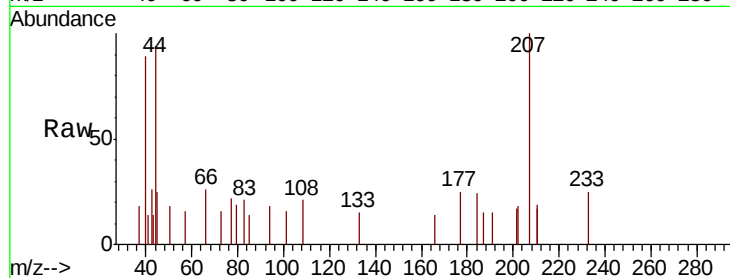


#7

Trichlorofluoromethane
Concen: 5.127 ug/l
RT: 1.53 min Scan# 101
Delta R.T. -0.04 min
Lab File: VF062500.D
Acq: 12 May 2019 13:53

Instrument :
MSVOA_F
ClientSampleId :
P021-SS004-1824-01

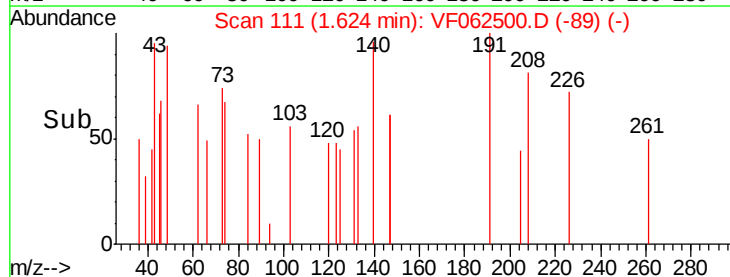
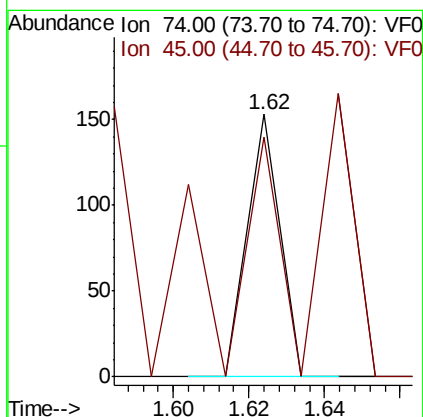
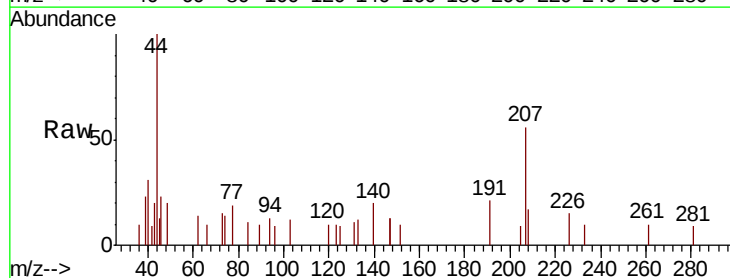
Tot Ion:101 Resp: 69
Ion Ratio Lower Upper
101 100
103 0.0 48.5 72.7#

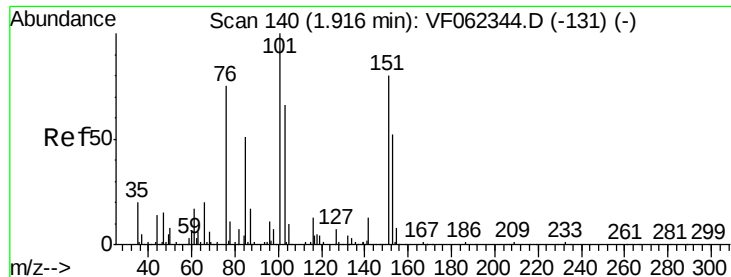


#8

Diethyl Ether
Concen: 44.195 ug/l
RT: 1.62 min Scan# 111
Delta R.T. -0.09 min
Lab File: VF062500.D
Acq: 12 May 2019 13:53

Tgt Ion: 74 Resp: 90
Ion Ratio Lower Upper
74 100
45 92.2 73.9 221.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.672 ug/l

RT: 2.02 min Scan# 151

Delta R.T. 0.10 min

Lab File: VF062500.D

Acq: 12 May 2019 13:53

Instrument :

MSVOA_F

ClientSampleId :

P021-SS004-1824-01

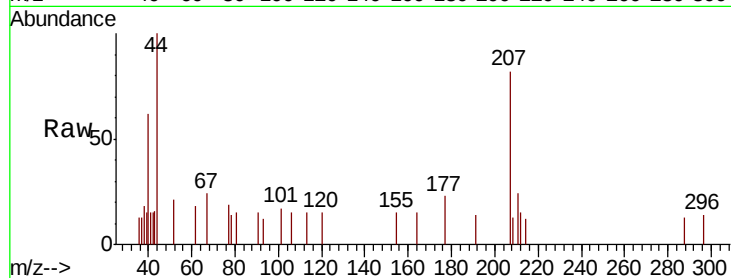
Tot Ion:101 Resp: 82

Ion Ratio Lower Upper

101 100

85 0.0 39.5 59.3#

151 0.0 59.9 89.9#



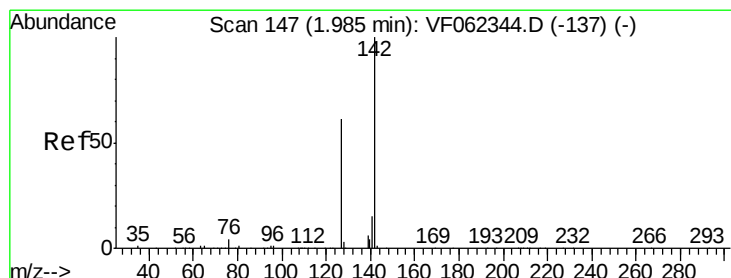
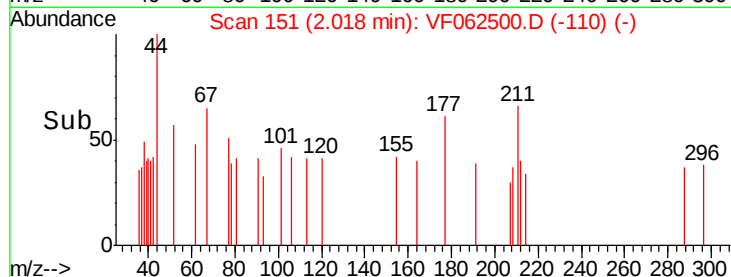
Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VF0

Ion 150.80 (150.50 to 151.50): V

2.02

Time-->



#10

Methyl Iodide

Concen: 5.370 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.21 min

Lab File: VF062500.D

Acq: 12 May 2019 13:53

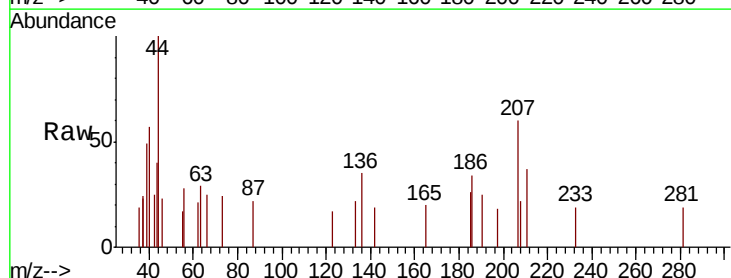
Tgt Ion:142 Resp: 68

Ion Ratio Lower Upper

142 100

127 0.0 48.4 72.6#

141 0.0 12.2 18.4#



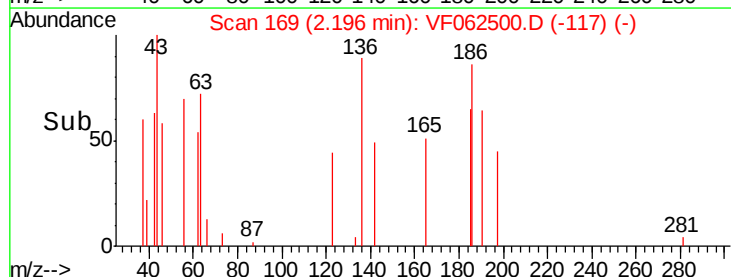
Abundance Ion 141.80 (141.50 to 142.50): V

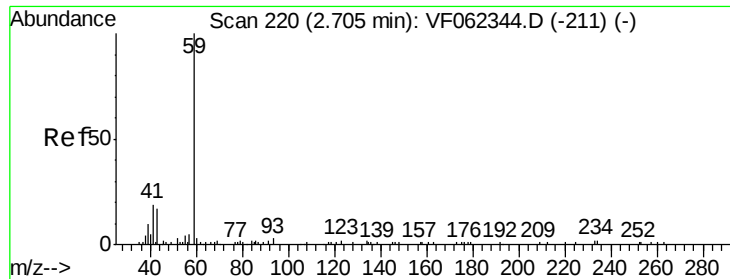
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.20

Time-->

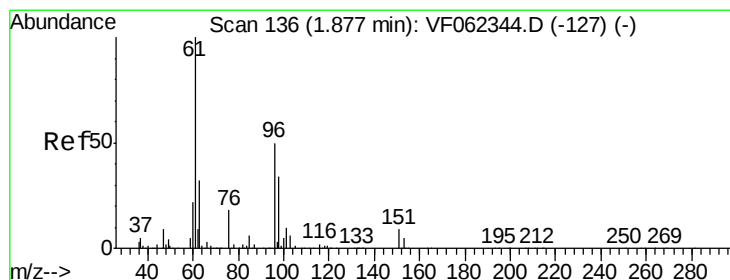
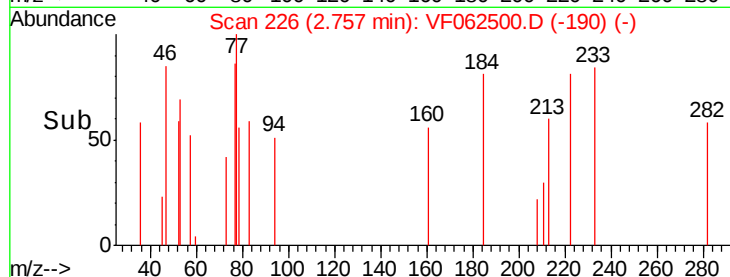
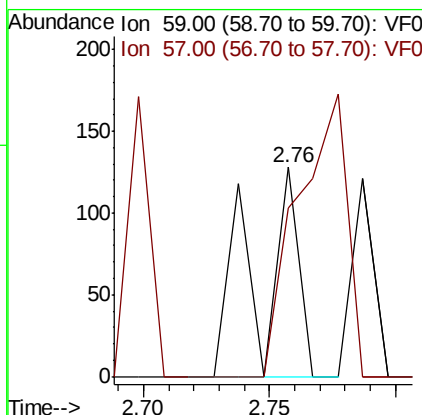
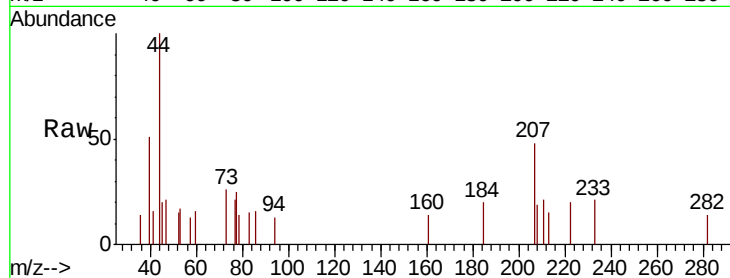




#11
Tert butyl alcohol
Concen: 318.638 ug/l
RT: 2.76 min Scan# 226
Delta R.T. 0.05 min
Lab File: VF062500.D
Acq: 12 May 2019 13:53

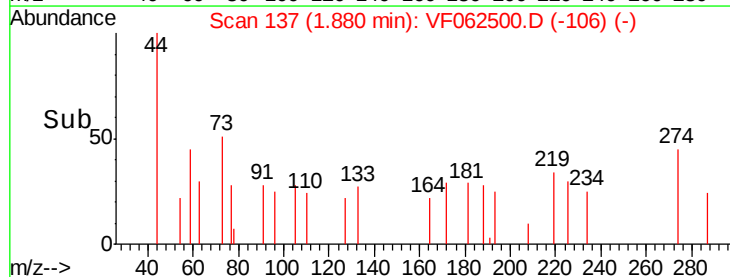
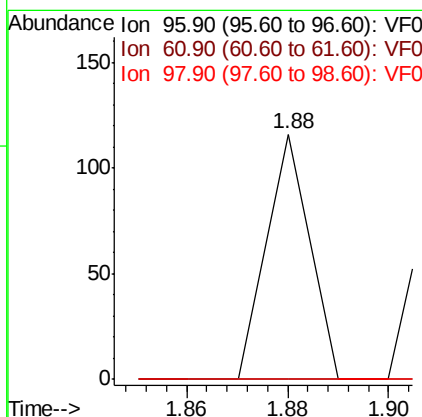
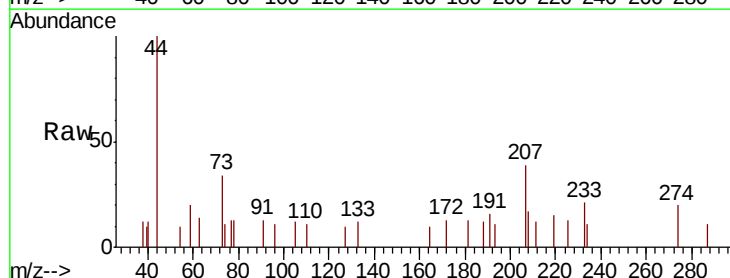
Instrument :
MSVOA_F
ClientSampleId :
P021-SS004-1824-01

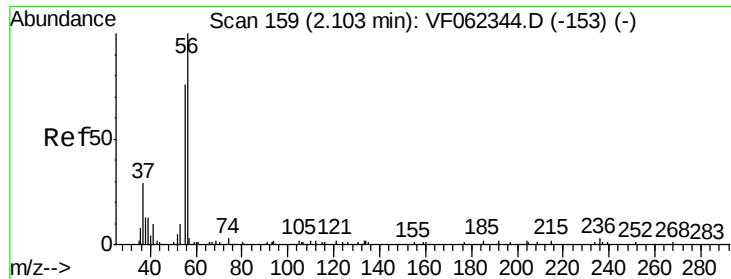
Tot Ion: 59 Resp: 145
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#



#12
1,1-Dichloroethene
Concen: 10.563 ug/l
RT: 1.88 min Scan# 137
Delta R.T. 0.00 min
Lab File: VF062500.D
Acq: 12 May 2019 13:53

Tgt Ion: 96 Resp: 69
Ion Ratio Lower Upper
96 100
61 0.0 163.2 244.8#
98 0.0 55.2 82.8#

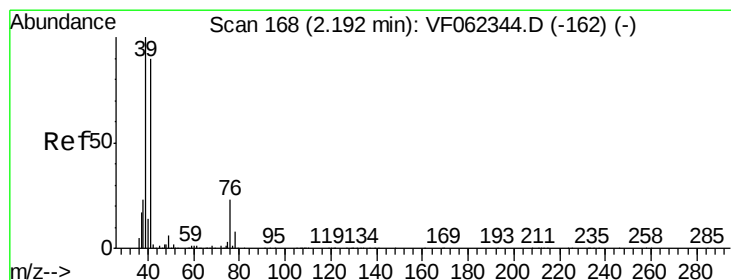
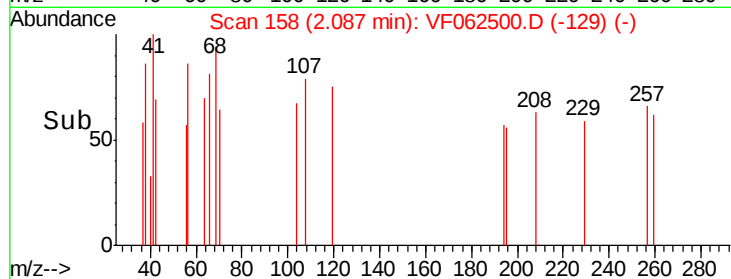
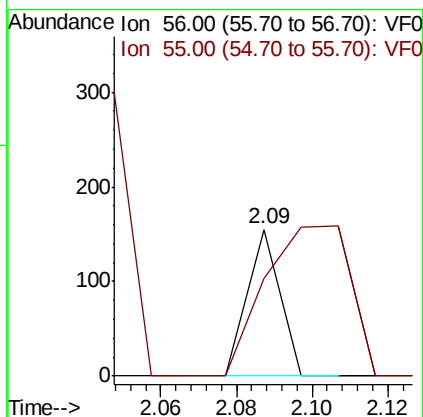
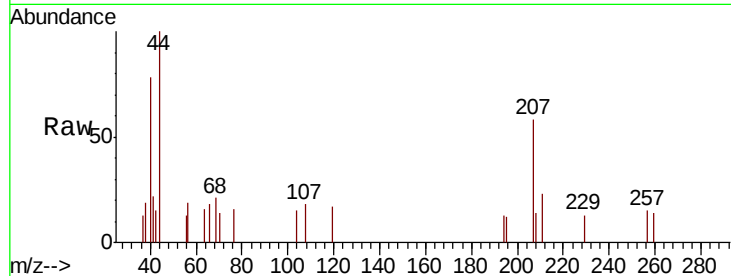




#13
Acrolein
Concen: 334.181 ug/l
RT: 2.09 min Scan# 158
Delta R.T. -0.02 min
Lab File: VF062500.D
Acq: 12 May 2019 13:53

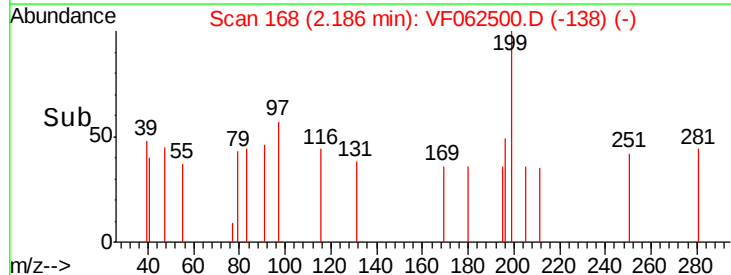
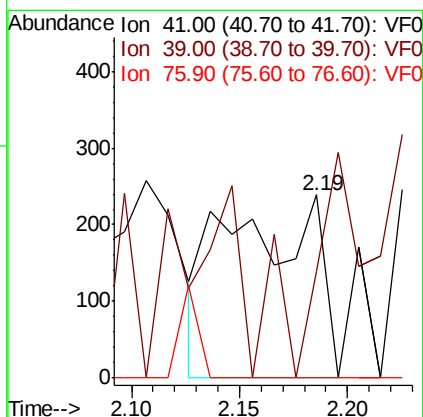
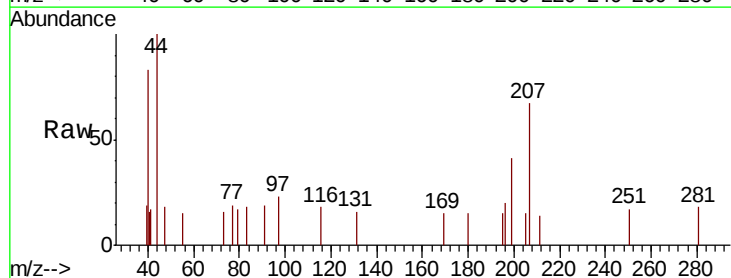
Instrument :
MSVOA_F
ClientSampleId :
P021-SS004-1824-01

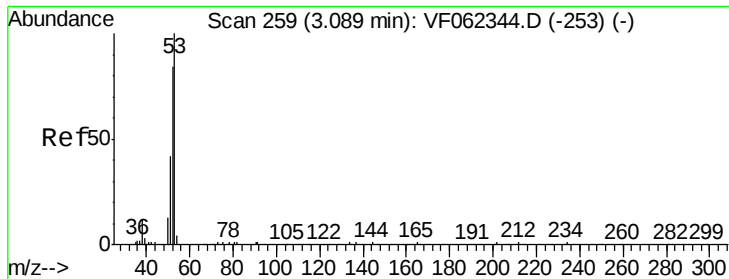
Tot Ion: 56 Resp: 92
Ion Ratio Lower Upper
56 100
55 269.6 58.4 87.6#



#14
Allyl chloride
Concen: 118.366 ug/l
RT: 2.19 min Scan# 168
Delta R.T. -0.01 min
Lab File: VF062500.D
Acq: 12 May 2019 13:53

Tgt Ion: 41 Resp: 683
Ion Ratio Lower Upper
41 100
39 64.0 90.8 136.2#
76 0.0 22.2 33.4#





#15

Acrylonitrile

Concen: 113.688 ug/l

RT: 3.08 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF062500.D

Acq: 12 May 2019 13:53

Instrument :

MSVOA_F

ClientSampleId :

P021-SS004-1824-01

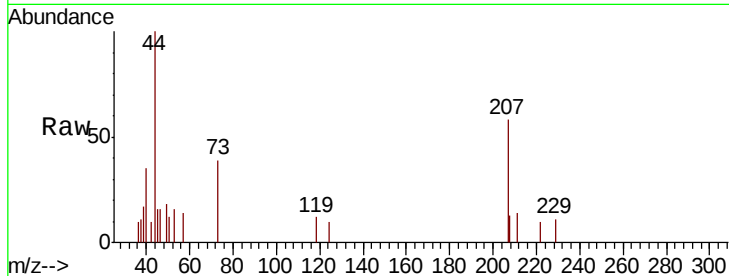
Tot Ion: 53 Resp: 98

Ion Ratio Lower Upper

53 100

52 0.0 77.2 115.8#

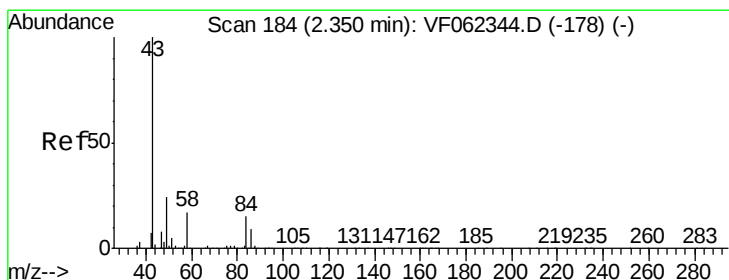
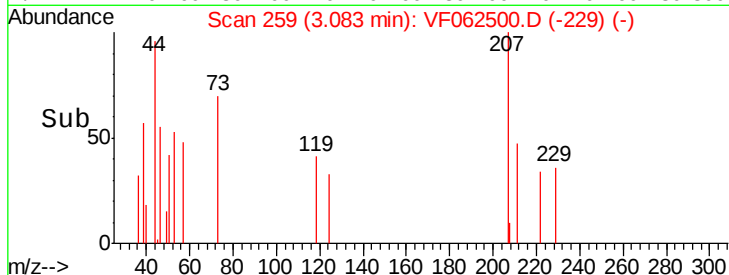
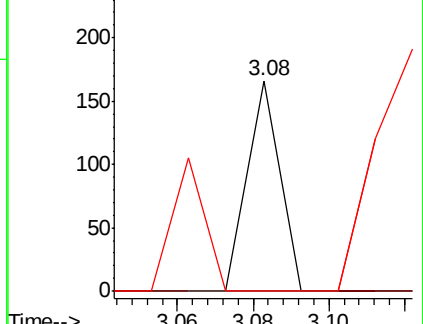
51 63.3 40.6 61.0#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 113.580 ug/l

RT: 2.35 min Scan# 185

Delta R.T. 0.00 min

Lab File: VF062500.D

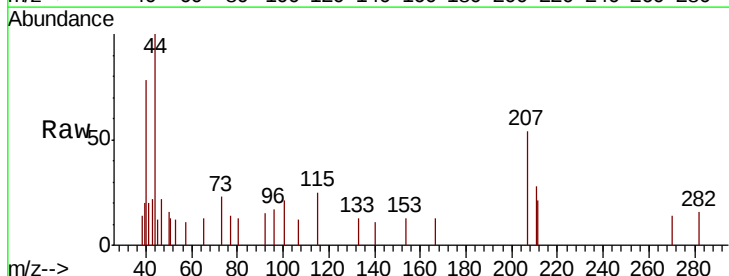
Acq: 12 May 2019 13:53

Tgt Ion: 43 Resp: 185

Ion Ratio Lower Upper

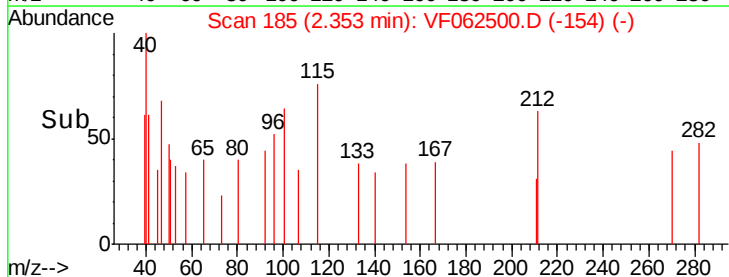
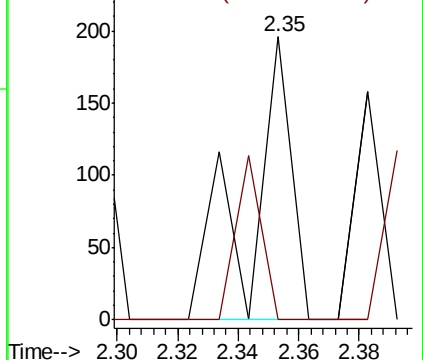
43 100

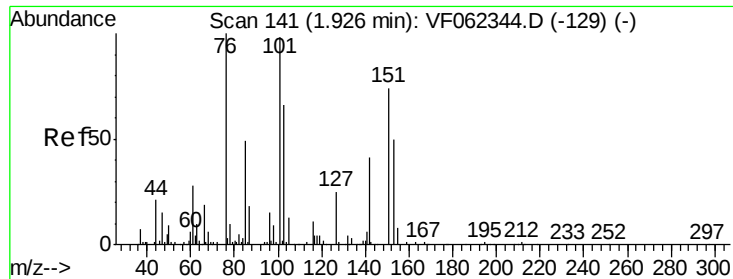
58 0.0 13.1 19.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

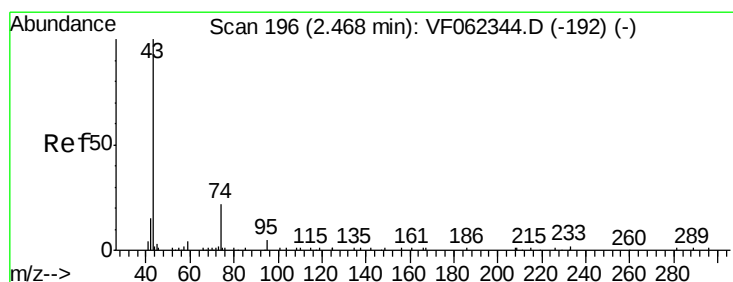
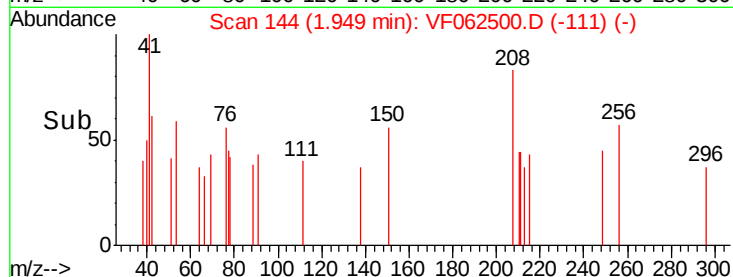
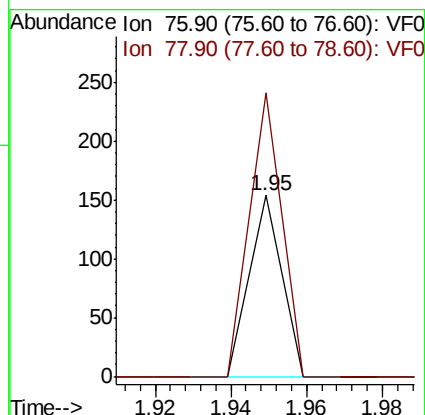
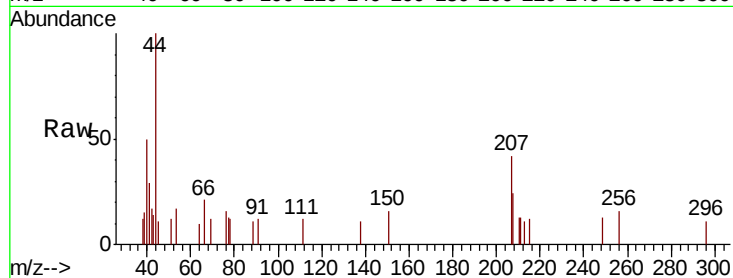




#17
Carbon Disulfide
Concen: 6.389 ug/l
RT: 1.95 min Scan# 144
Delta R.T. 0.02 min
Lab File: VF062500.D
Acq: 12 May 2019 13:53

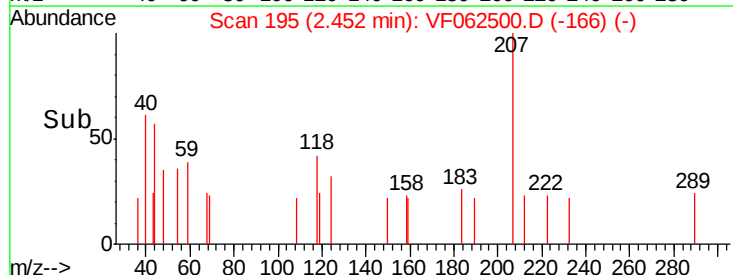
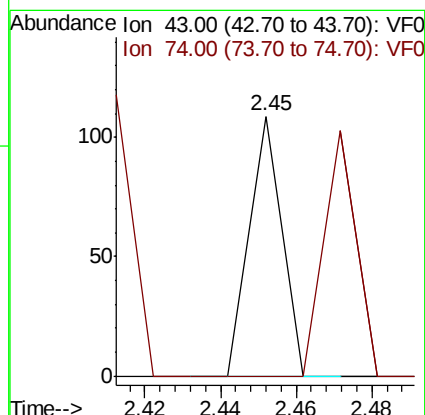
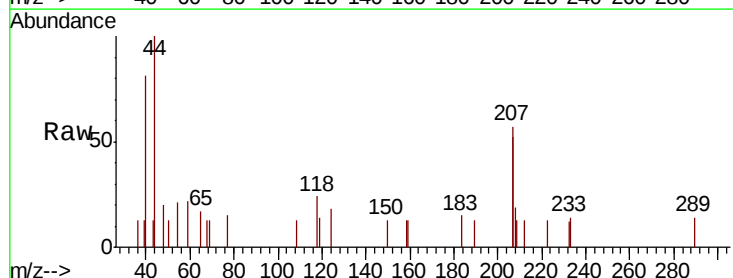
Instrument :
MSVOA_F
ClientSampleId :
P021-SS004-1824-01

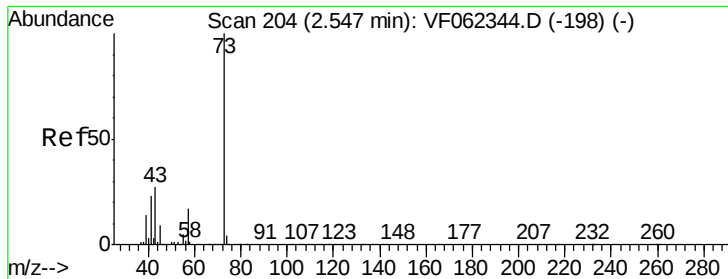
Tot Ion: 76 Resp: 91
Ion Ratio Lower Upper
76 100
78 156.5 9.0 13.4#



#18
Methyl Acetate
Concen: 19.644 ug/l
RT: 2.45 min Scan# 195
Delta R.T. -0.02 min
Lab File: VF062500.D
Acq: 12 May 2019 13:53

Tgt Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
74 95.3 15.0 22.4#



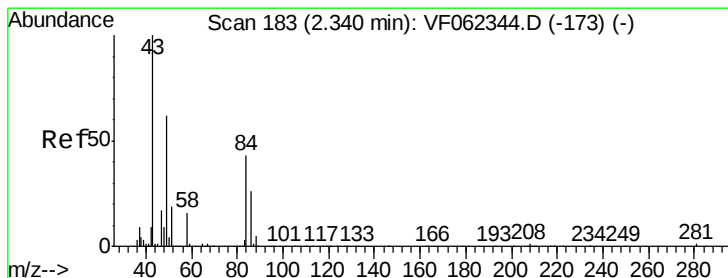
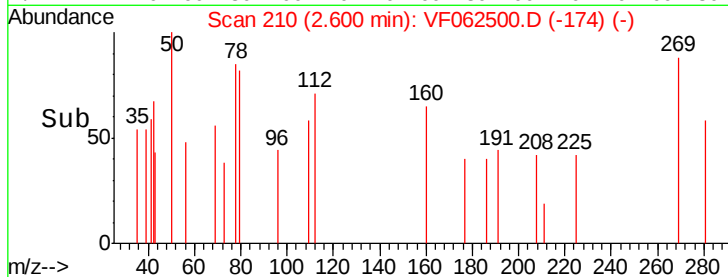
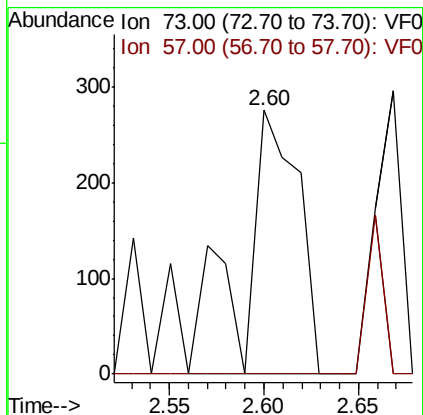
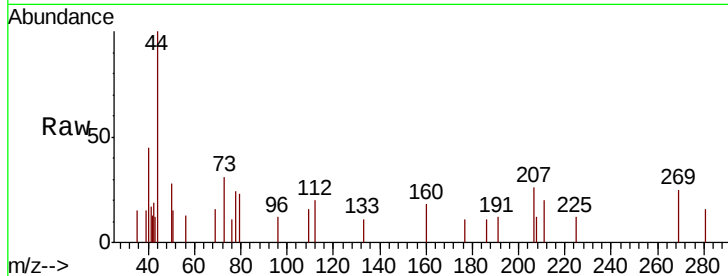


#19

Methyl tert-butyl Ether
 Concen: 42.272 ug/l
 RT: 2.60 min Scan# 210
 Delta R.T. 0.05 min
 Lab File: VF062500.D
 Acq: 12 May 2019 13:53

Instrument :
 MSVOA_F
 ClientSampleId :
 P021-SS004-1824-01

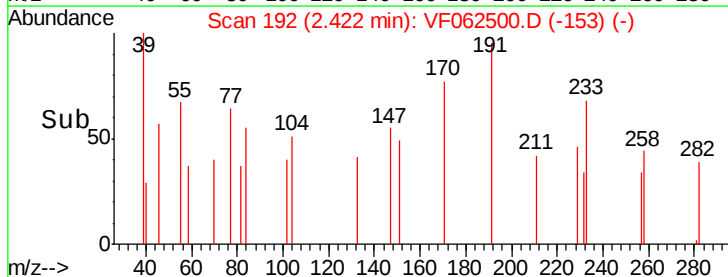
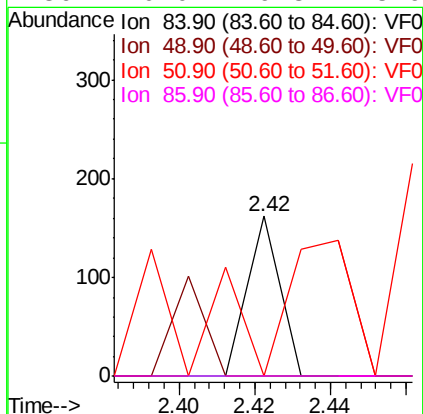
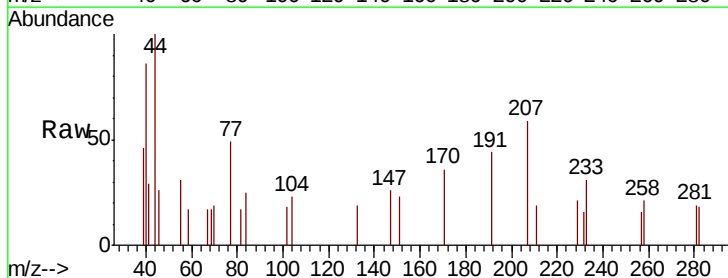
Tot Ion: 73 Resp: 570
 Ion Ratio Lower Upper
 73 100
 57 0.0 13.7 20.5#

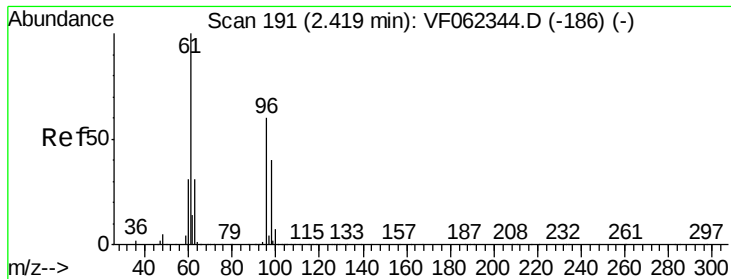


#20

Methylene Chloride
 Concen: 16.290 ug/l
 RT: 2.42 min Scan# 192
 Delta R.T. 0.08 min
 Lab File: VF062500.D
 Acq: 12 May 2019 13:53

Tgt Ion: 84 Resp: 96
 Ion Ratio Lower Upper
 84 100
 49 0.0 117.5 176.3#
 51 0.0 37.0 55.4#
 86 0.0 49.3 73.9#





#21

trans-1,2-Dichloroethene

Concen: 9.641 ug/l

RT: 2.44 min Scan# 194

Delta R.T. 0.02 min

Lab File: VF062500.D

Acq: 12 May 2019 13:53

Instrument :

MSVOA_F

ClientSampleId :

P021-SS004-1824-01

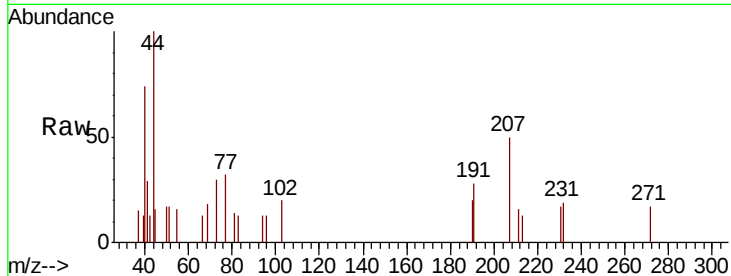
Tot Ion: 96 Resp: 60

Ion Ratio Lower Upper

96 100

61 0.0 133.2 199.8#

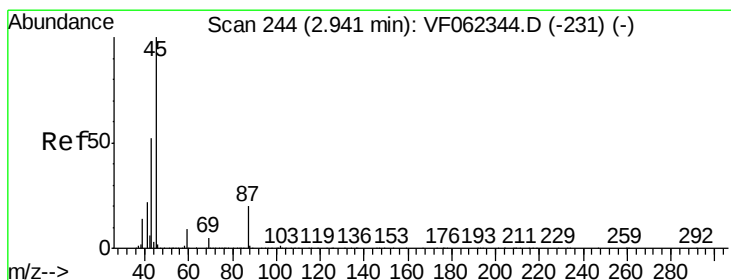
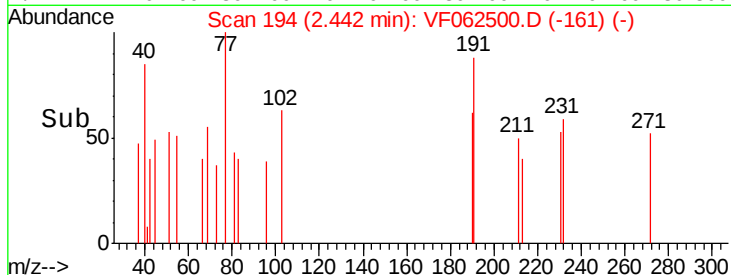
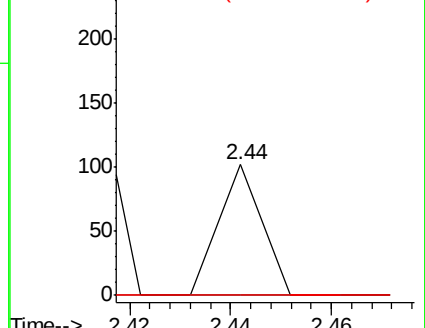
98 0.0 53.1 79.7#



Abundance Ion 95.90 (95.60 to 96.60): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 97.90 (97.60 to 98.60): VF0



#22

Diisopropyl ether

Concen: 8.373 ug/l

RT: 2.98 min Scan# 249

Delta R.T. 0.04 min

Lab File: VF062500.D

Acq: 12 May 2019 13:53

Tgt Ion: 45 Resp: 151

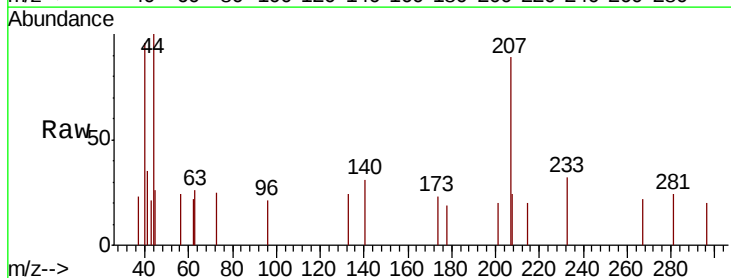
Ion Ratio Lower Upper

45 100

43 82.0 41.4 62.0#

87 0.0 15.8 23.6#

59 0.0 7.2 10.8#

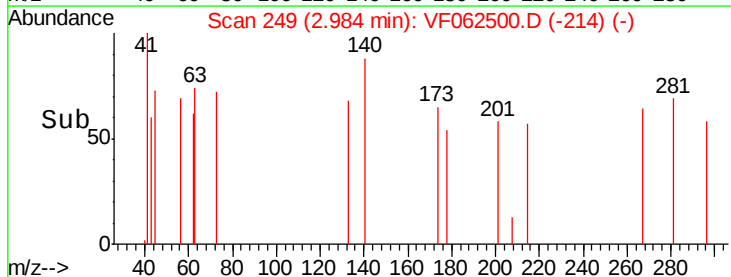
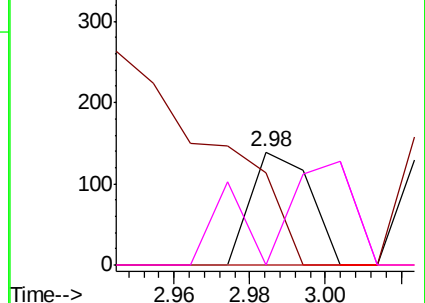


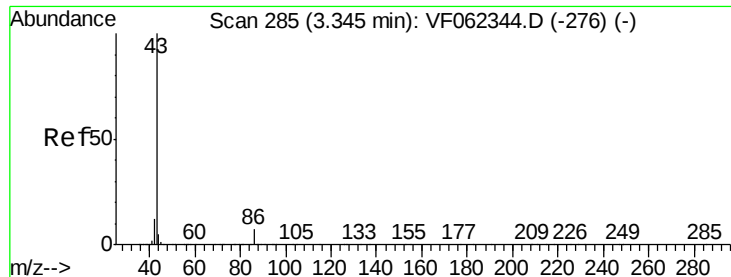
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 16.547 ug/l

RT: 3.37 min Scan# 288

Delta R.T. 0.02 min

Lab File: VF062500.D

Acq: 12 May 2019 13:53

Instrument :

MSVOA_F

ClientSampleId :

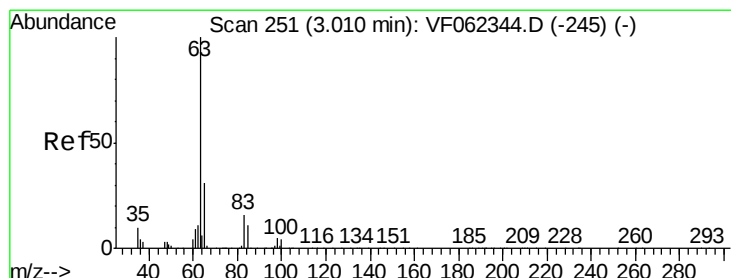
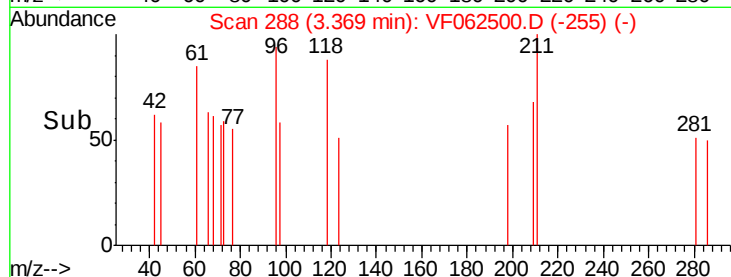
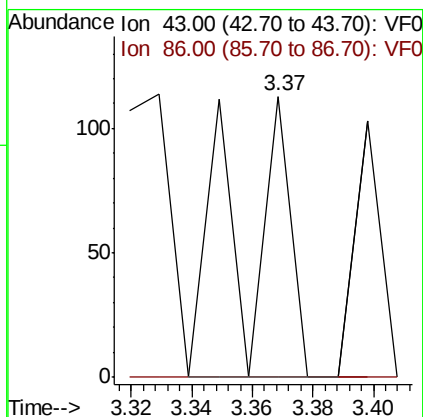
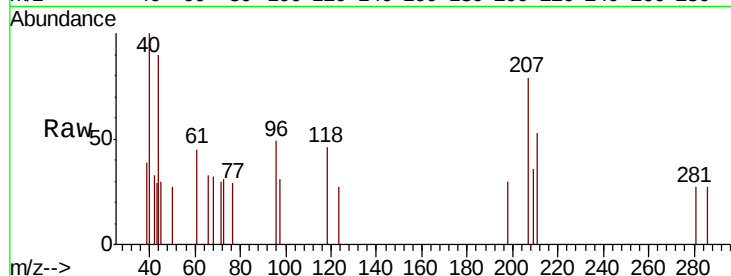
P021-SS004-1824-01

Tot Ion: 43 Resp: 133

Ion Ratio Lower Upper

43 100

86 0.0 5.7 8.5#



#24

1,1-Dichloroethane

Concen: 6.514 ug/l

RT: 3.03 min Scan# 254

Delta R.T. 0.02 min

Lab File: VF062500.D

Acq: 12 May 2019 13:53

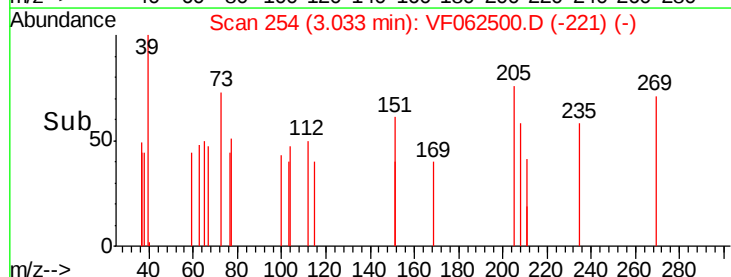
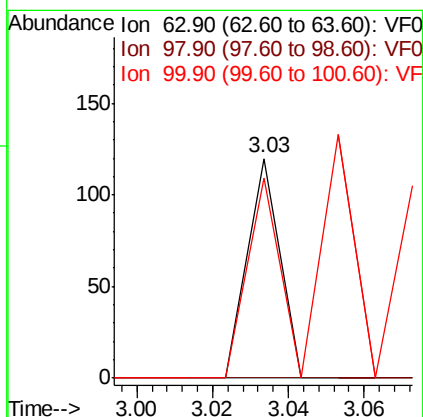
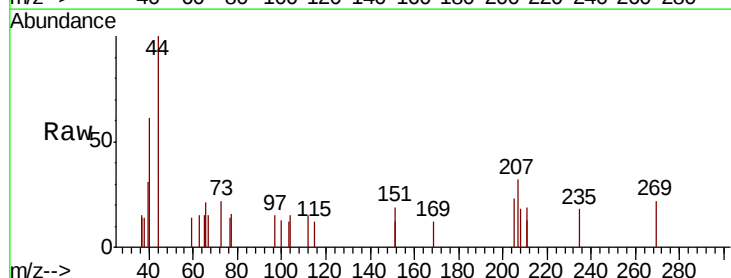
Tgt Ion: 63 Resp: 71

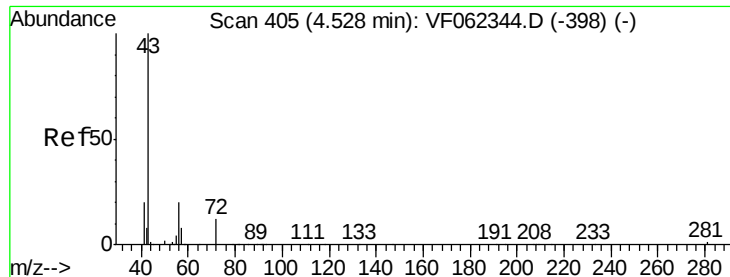
Ion Ratio Lower Upper

63 100

98 0.0 2.6 8.0#

100 90.8 1.8 5.4#





#25

2-Butanone

Concen: 199.871 ug/l

RT: 4.52 min Scan# 405

Delta R.T. -0.01 min

Lab File: VF062500.D

Acq: 12 May 2019 13:53

Instrument :

MSVOA_F

ClientSampleId :

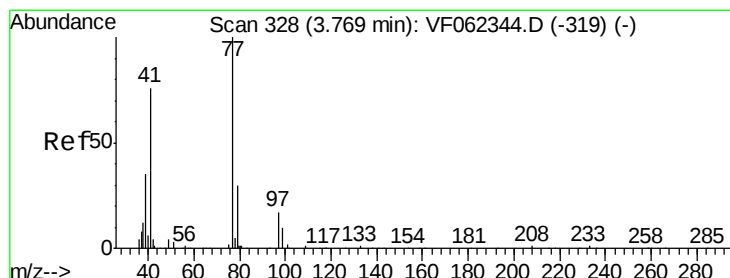
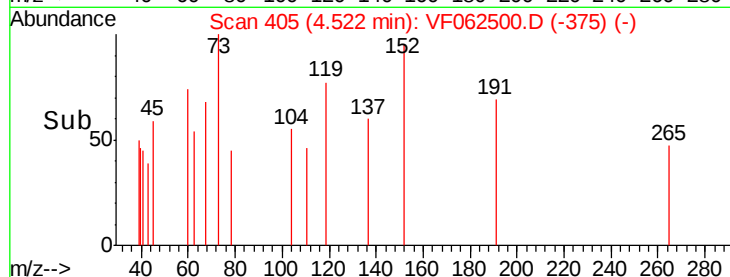
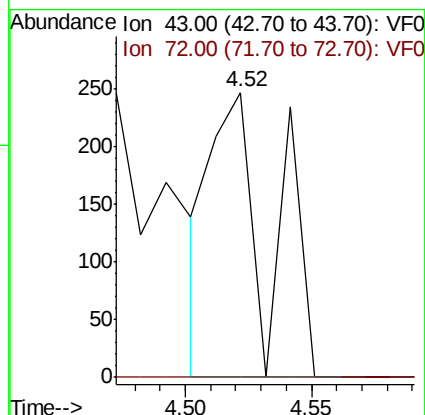
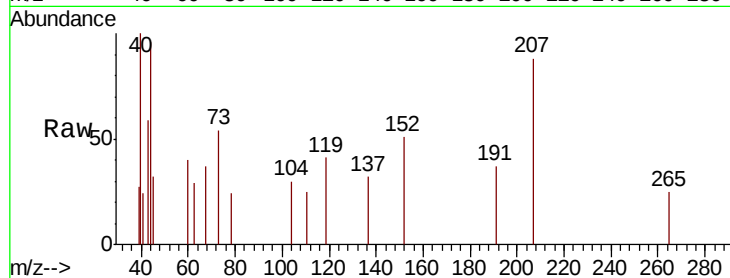
P021-SS004-1824-01

Tot Ion: 43 Resp: 409

Ion Ratio Lower Upper

43 100

72 0.0 14.2 21.4#



#26

2,2-Dichloropropane

Concen: 52.408 ug/l

RT: 3.65 min Scan# 317

Delta R.T. -0.11 min

Lab File: VF062500.D

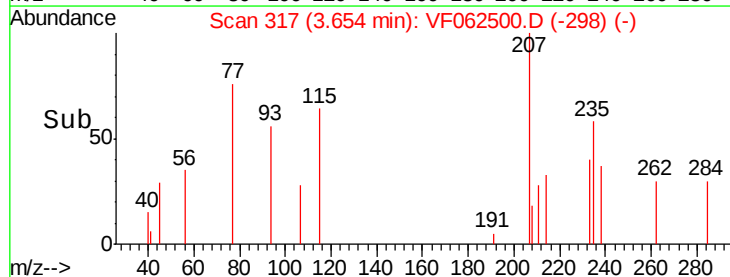
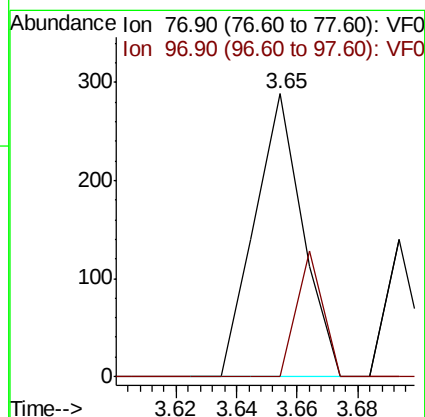
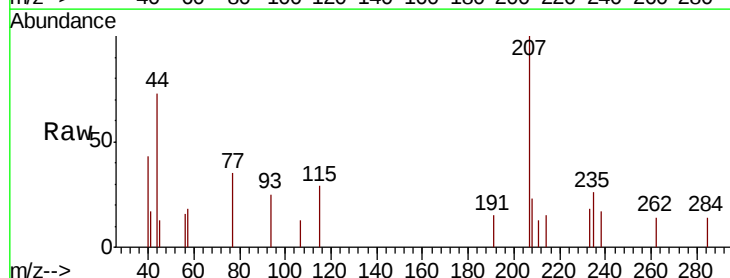
Acq: 12 May 2019 13:53

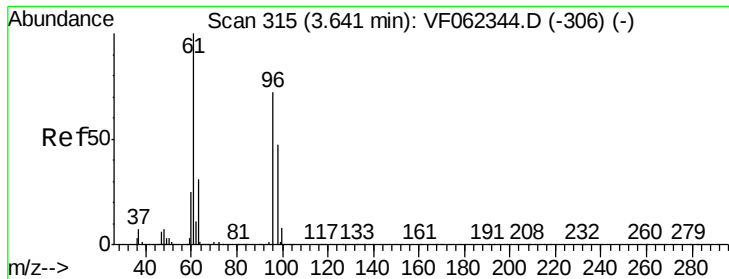
Tgt Ion: 77 Resp: 319

Ion Ratio Lower Upper

77 100

97 23.8 9.5 28.5



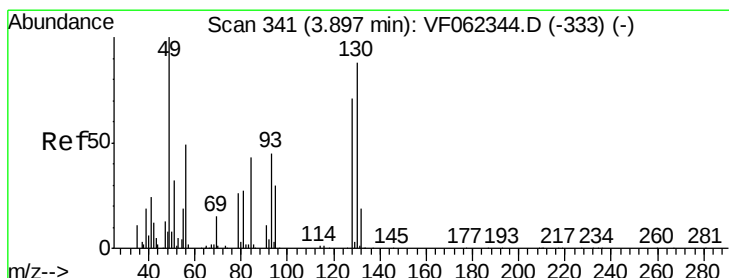
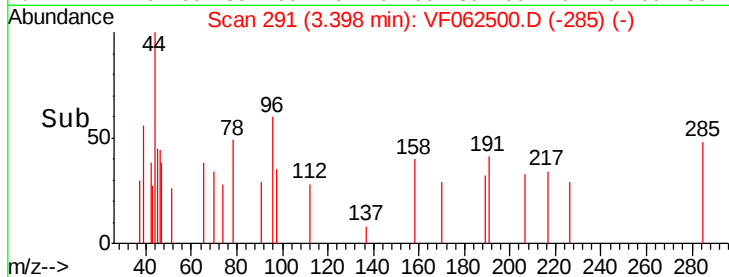
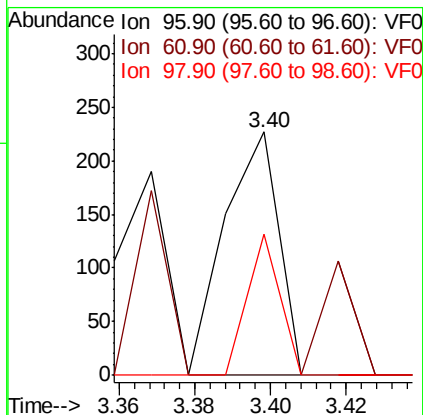
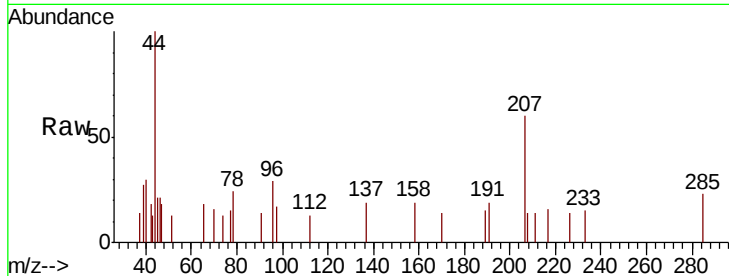


#27

cis-1,2-Dichloroethene
Concen: 28.793 ug/l
RT: 3.40 min Scan# 291
Delta R.T. -0.24 min
Lab File: VF062500.D
Acq: 12 May 2019 13:53

Instrument :
MSVOA_F
ClientSampleId :
P021-SS004-1824-01

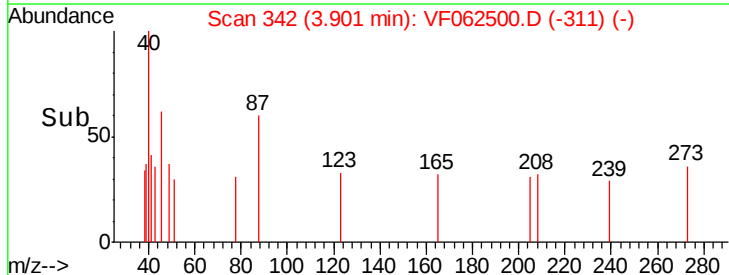
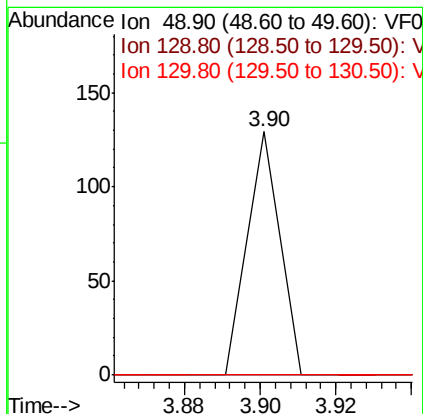
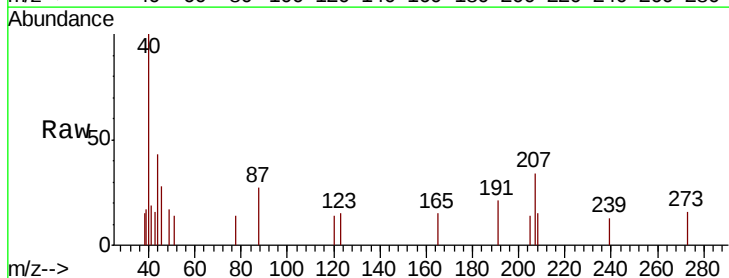
Tot Ion: 96 Resp: 224
Ion Ratio Lower Upper
96 100
61 28.1 0.0 263.0
98 34.8 0.0 130.8

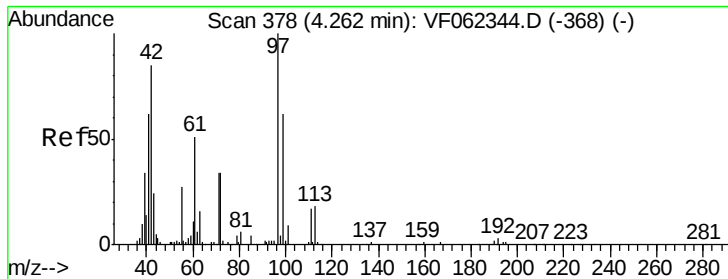


#28

Bromochloromethane
Concen: 15.375 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.00 min
Lab File: VF062500.D
Acq: 12 May 2019 13:53

Tgt Ion: 49 Resp: 76
Ion Ratio Lower Upper
49 100
129 0.0 0.0 2.2
130 0.0 79.4 119.0#





#29

Tetrahydrofuran

Concen: 255.189 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.00 min

Lab File: VF062500.D

Acq: 12 May 2019 13:53

Instrument :

MSVOA_F

ClientSampleId :

P021-SS004-1824-01

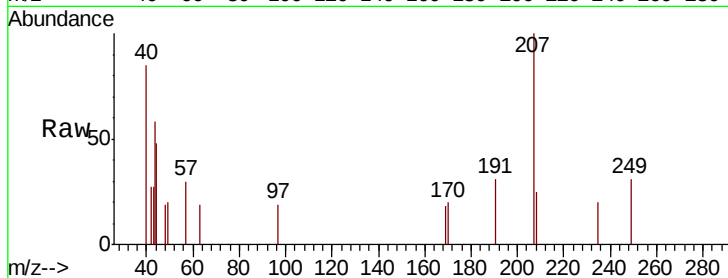
Tot Ion: 42 Resp: 240

Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.0#

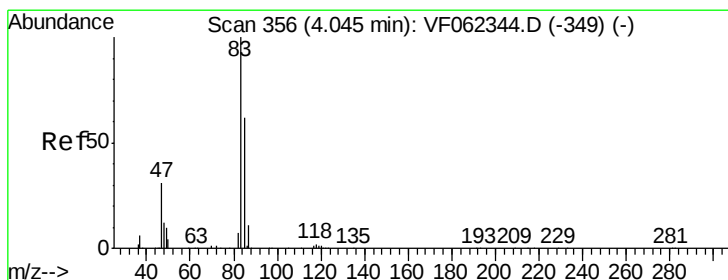
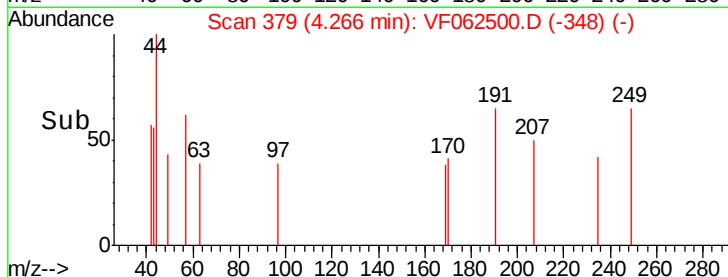
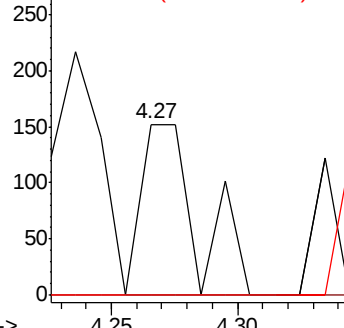
71 0.0 31.7 47.5#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 5.976 ug/l

RT: 4.03 min Scan# 355

Delta R.T. -0.02 min

Lab File: VF062500.D

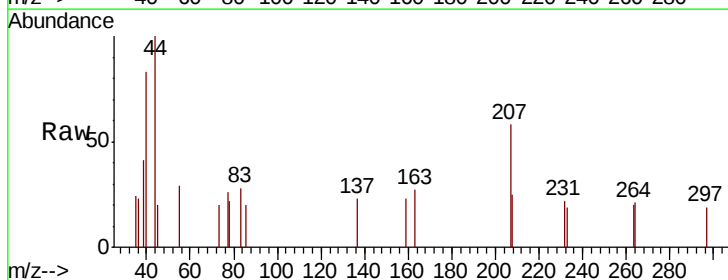
Acq: 12 May 2019 13:53

Tgt Ion: 83 Resp: 88

Ion Ratio Lower Upper

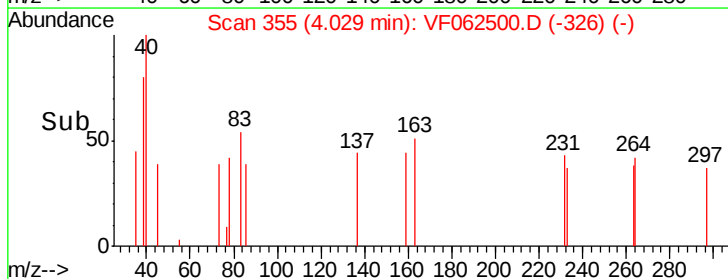
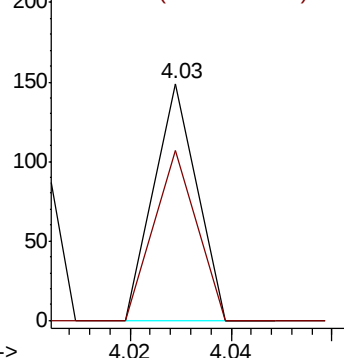
83 100

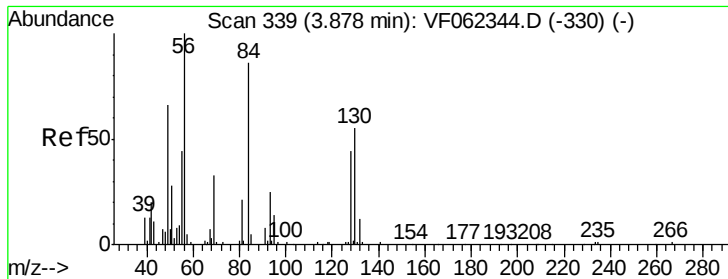
85 71.8 49.6 74.4



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0





#31

Cvclohexane

Concen: 10.575 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.25 min

Lab File: VF062500.D

Acq: 12 May 2019 13:53

Instrument :

MSVOA_F

ClientSampleId :

P021-SS004-1824-01

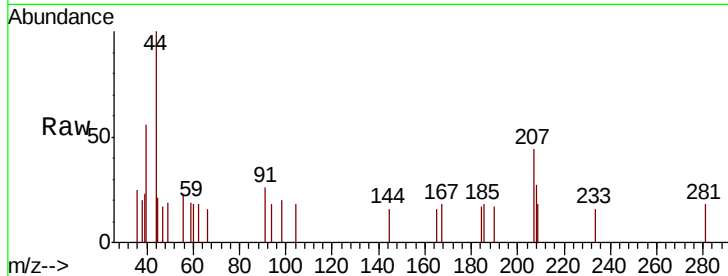
Tot Ion: 56 Resp: 92

Ion Ratio Lower Upper

56 100

69 0.0 26.4 39.6#

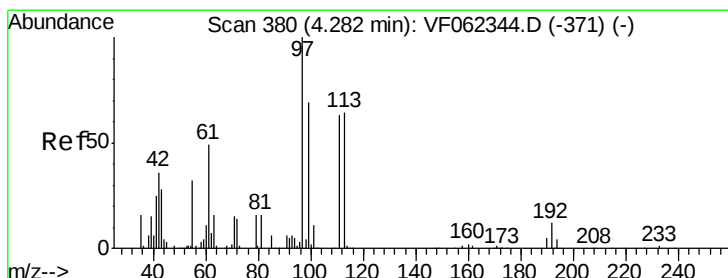
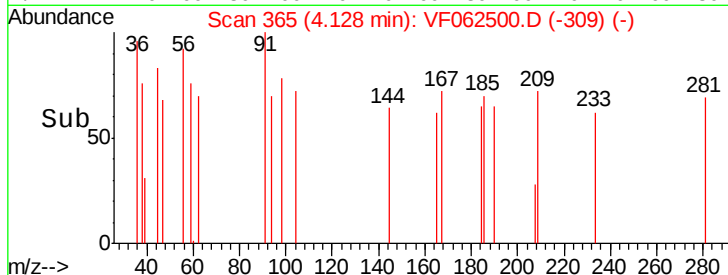
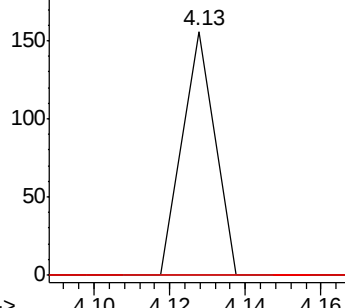
84 0.0 69.0 103.6#



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: 4.913 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.02 min

Lab File: VF062500.D

Acq: 12 May 2019 13:53

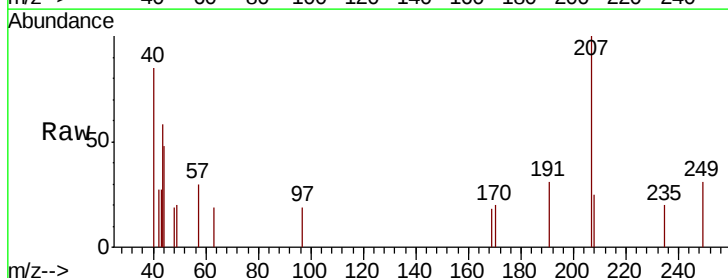
Tgt Ion: 97 Resp: 62

Ion Ratio Lower Upper

97 100

99 0.0 52.6 78.8#

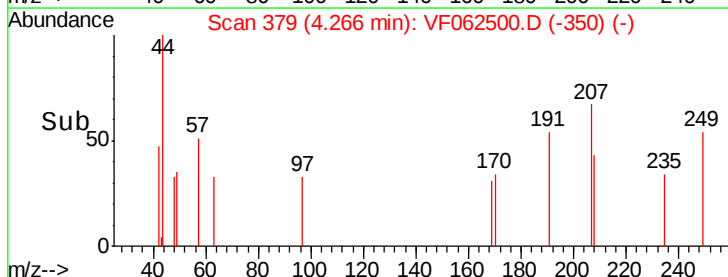
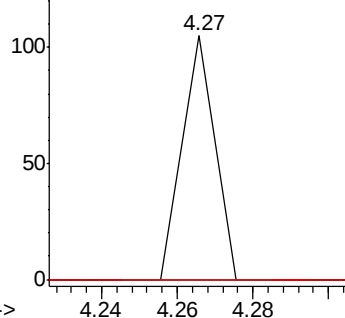
61 0.0 39.4 59.0#

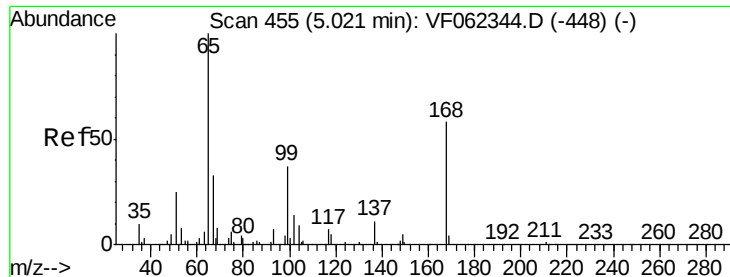


Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

Ion 60.90 (60.60 to 61.60): VF0





#33

1,2-Dichloroethane-d4

Concen: 14.407 ug/l

RT: 5.19 min Scan# 473

Delta R.T. 0.17 min

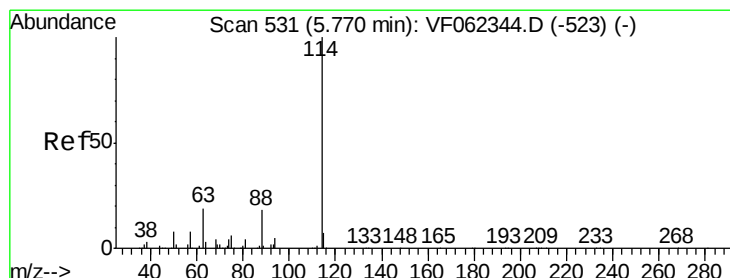
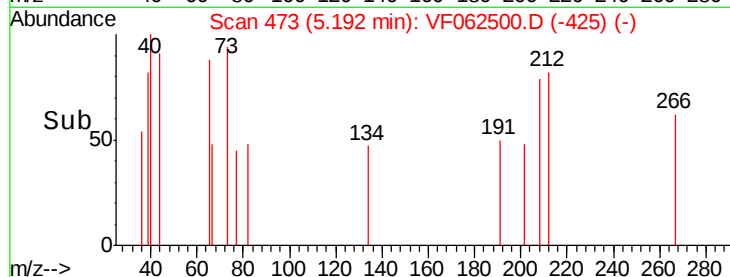
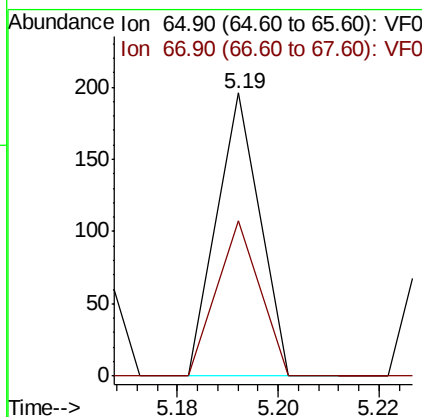
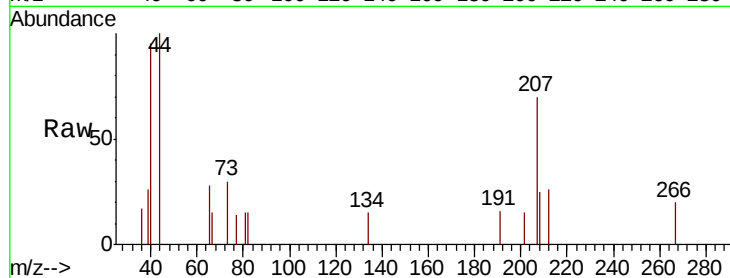
Lab File: VF062500.D

Acq: 12 May 2019 13:53

Instrument :
MSVOA_F
ClientSampleId :
P021-SS004-1824-01

Tot Ion: 65 Resp: 116

Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	85.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.81 min Scan# 536

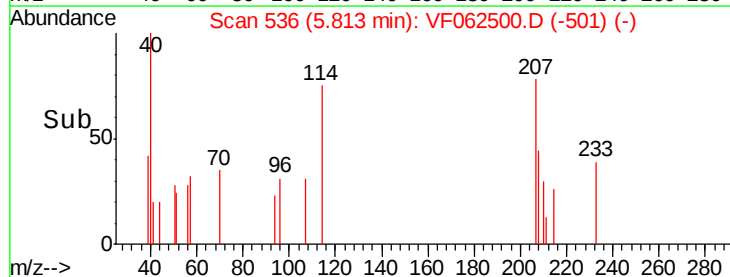
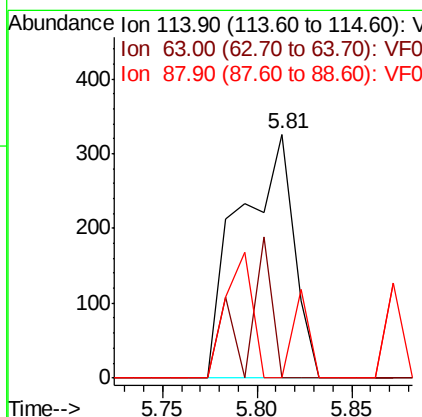
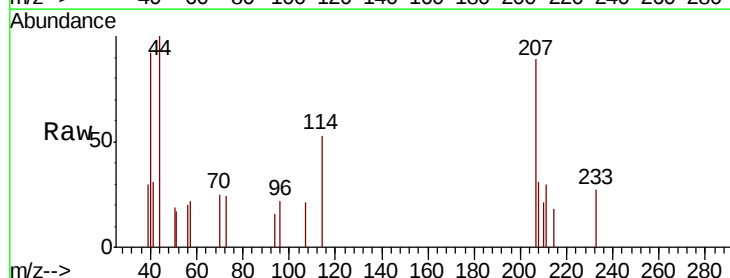
Delta R.T. 0.04 min

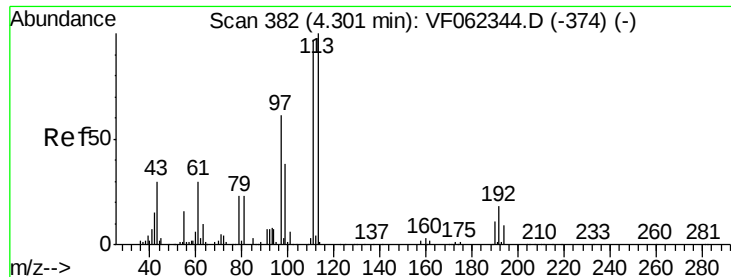
Lab File: VF062500.D

Acq: 12 May 2019 13:53

Tgt Ion: 114 Resp: 649

Ion	Ratio	Lower	Upper
114	100		
63	0.0	0.0	37.4
88	0.0	0.0	36.4

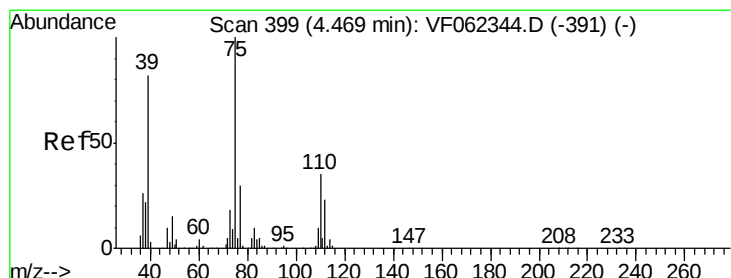
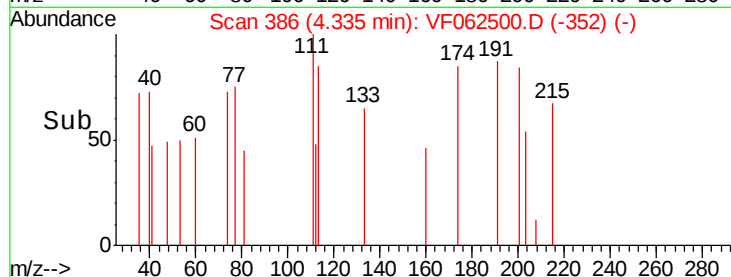
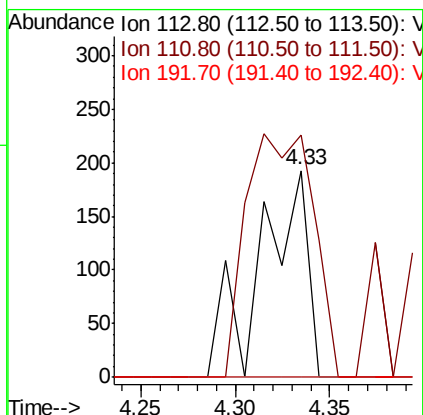
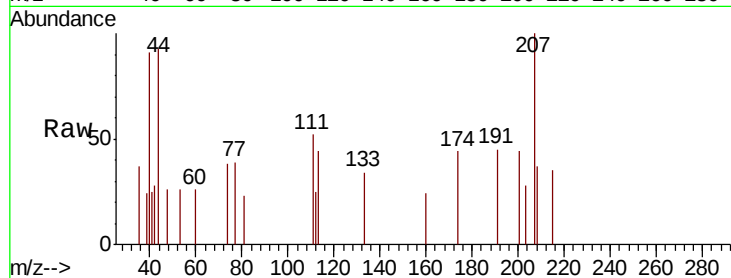




#35
Dibromofluoromethane
Concen: 65.178 ug/l
RT: 4.33 min Scan# 386
Delta R.T. 0.03 min
Lab File: VF062500.D
Acq: 12 May 2019 13:53

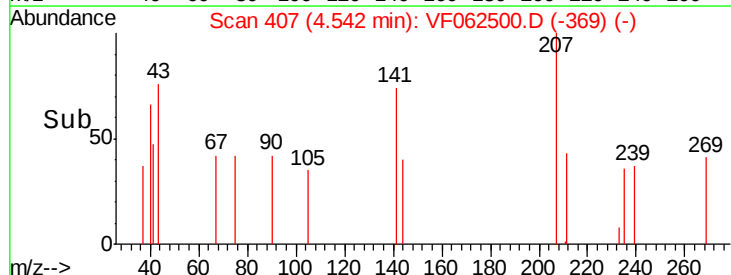
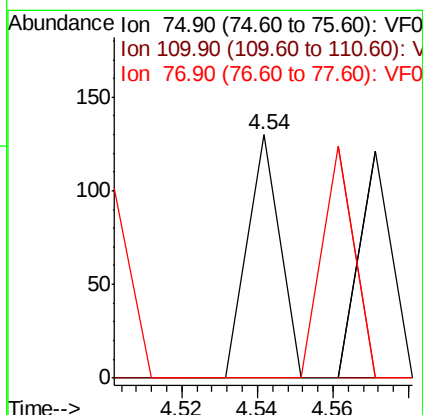
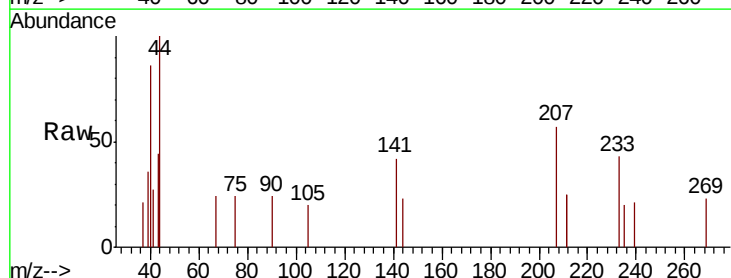
Instrument :
MSVOA_F
ClientSampleId :
P021-SS004-1824-01

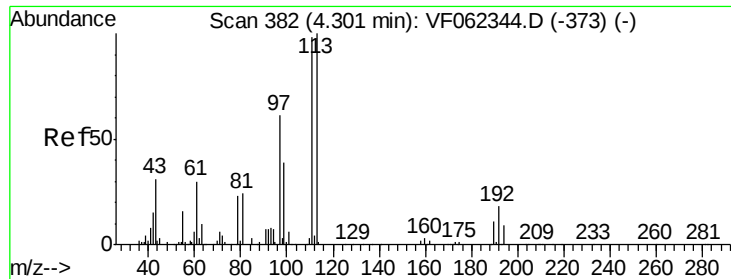
Tot Ion:113 Resp: 337
Ion Ratio Lower Upper
113 100
111 166.5 79.4 119.0#
192 0.0 16.0 24.0#



#36
1,1-Dichloropropene
Concen: 13.811 ug/l
RT: 4.54 min Scan# 407
Delta R.T. 0.07 min
Lab File: VF062500.D
Acq: 12 May 2019 13:53

Tgt Ion: 75 Resp: 77
Ion Ratio Lower Upper
75 100
110 0.0 17.2 51.5#
77 0.0 25.2 37.8#

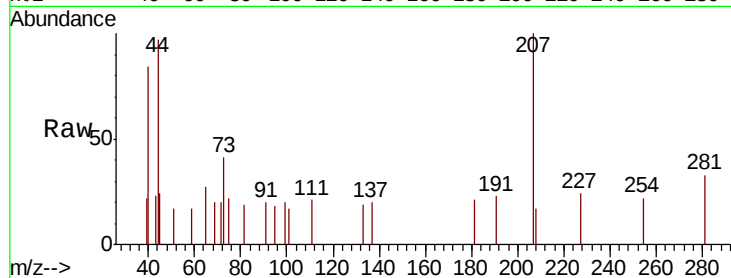




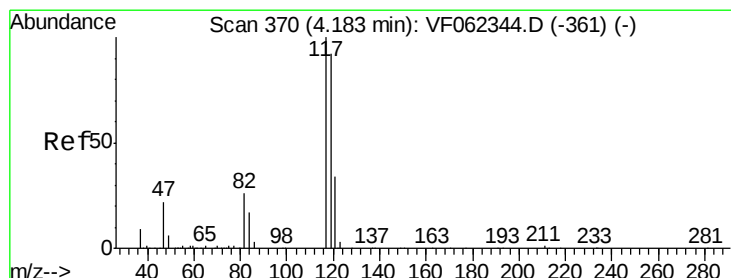
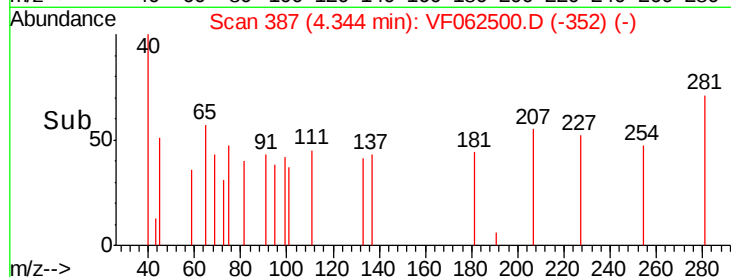
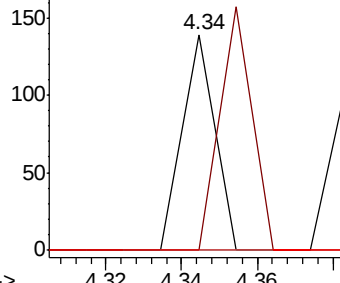
#37
Ethyl Acetate
Concen: 36.330 ug/l
RT: 4.34 min Scan# 387
Delta R.T. 0.04 min
Lab File: VF062500.D
Acq: 12 May 2019 13:53

Instrument :
MSVOA_F
ClientSampleId :
P021-SS004-1824-01

Tot Ion: 43 Resp: 82
Ion Ratio Lower Upper
43 100
61 113.4 0.0 0.0#
70 0.0 8.2 12.2#

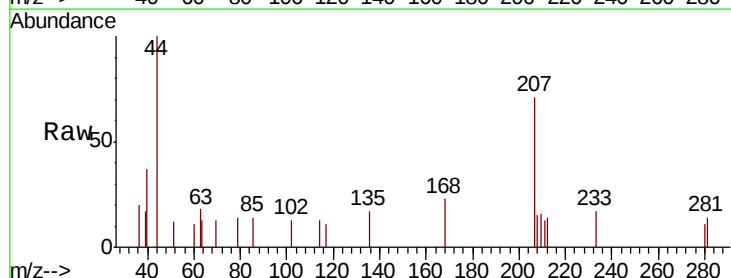


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 70.00 (69.70 to 70.70): VF0

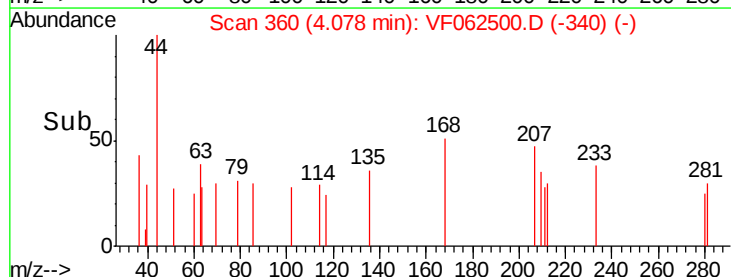
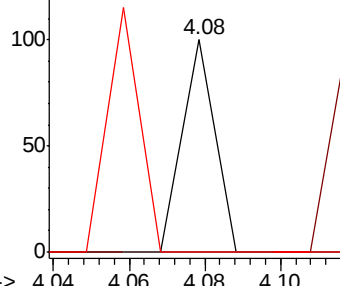


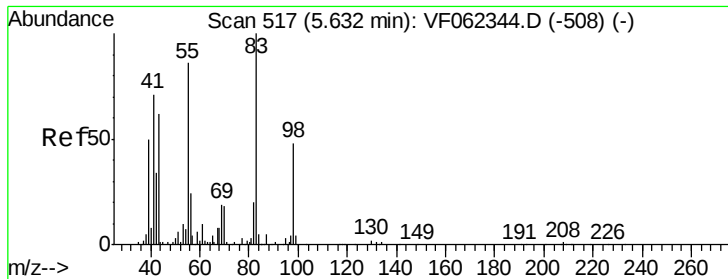
#38
Carbon Tetrachloride
Concen: 7.860 ug/l
RT: 4.08 min Scan# 360
Delta R.T. -0.10 min
Lab File: VF062500.D
Acq: 12 May 2019 13:53

Tgt Ion: 117 Resp: 59
Ion Ratio Lower Upper
117 100
119 0.0 73.4 110.2#
121 0.0 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

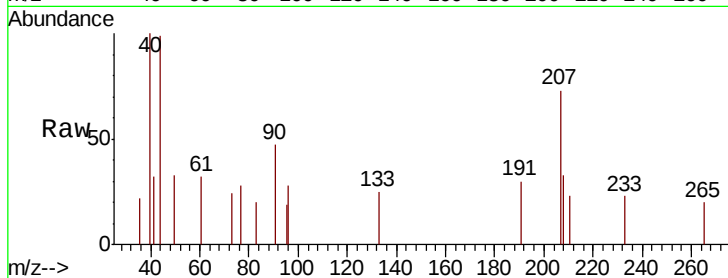




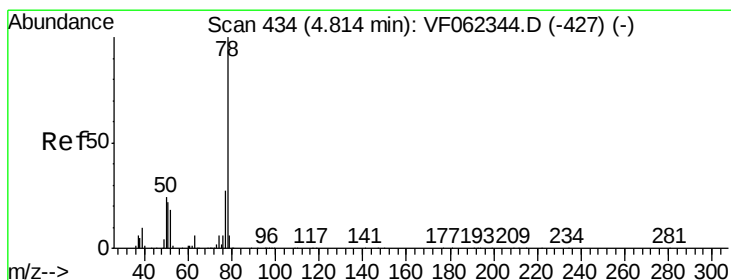
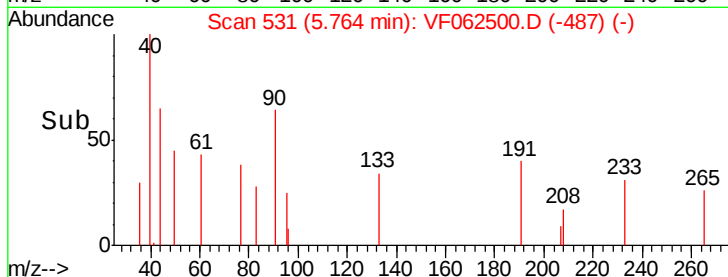
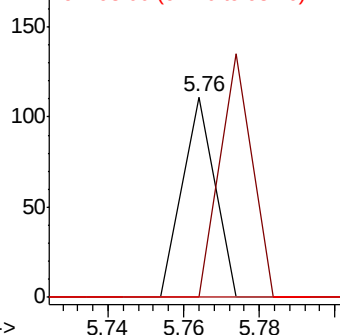
#39
Methylcyclohexane
Concen: 11.804 ug/l
RT: 5.76 min Scan# 531
Delta R.T. 0.13 min
Lab File: VF062500.D
Acq: 12 May 2019 13:53

Instrument :
MSVOA_F
ClientSampleId :
P021-SS004-1824-01

Tot Ion: 83 Resp: 66
Ion Ratio Lower Upper
83 100
55 0.0 69.0 103.6#
98 0.0 38.6 58.0#

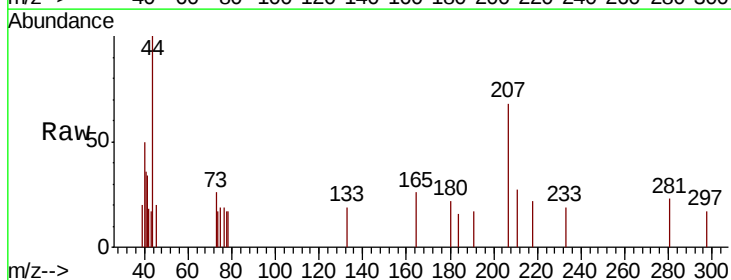


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

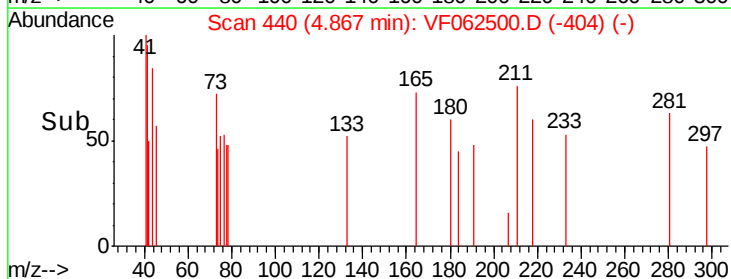
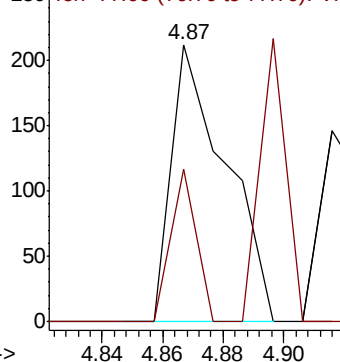


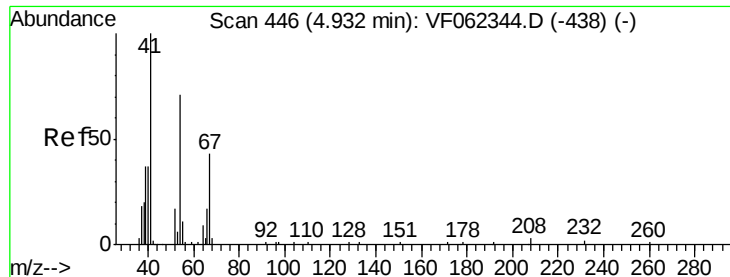
#40
Benzene
Concen: 21.667 ug/l
RT: 4.87 min Scan# 440
Delta R.T. 0.05 min
Lab File: VF062500.D
Acq: 12 May 2019 13:53

Tgt Ion: 78 Resp: 266
Ion Ratio Lower Upper
78 100
77 55.2 21.6 32.4#



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

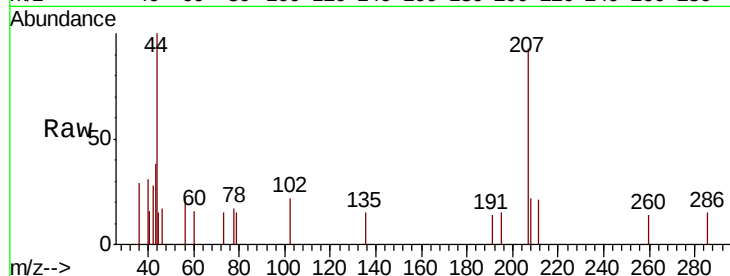




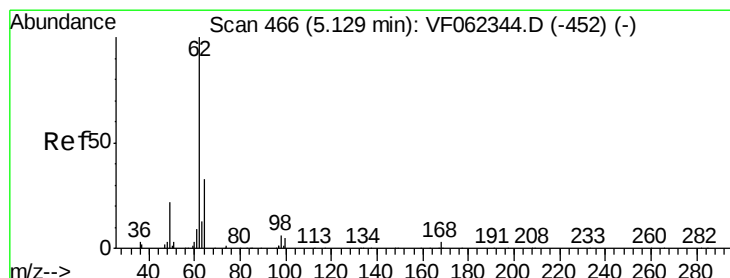
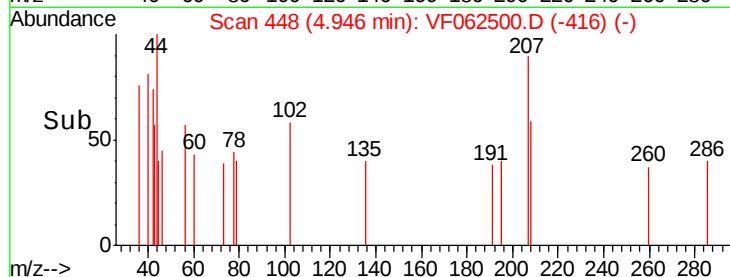
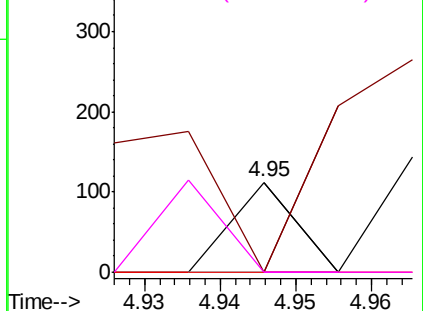
#41
Methacrylonitrile
Concen: 49.371 ug/l
RT: 4.95 min Scan# 448
Delta R.T. 0.01 min
Lab File: VF062500.D
Acq: 12 May 2019 13:53

Instrument :
MSVOA_F
ClientSampleId :
P021-SS004-1824-01

Tot Ion:	41	Resp:	66
Ion	Ratio	Lower	Upper
41	100		
39	0.0	54.3	81.5#
67	0.0	37.8	56.8#
52	103.0	58.2	87.4#

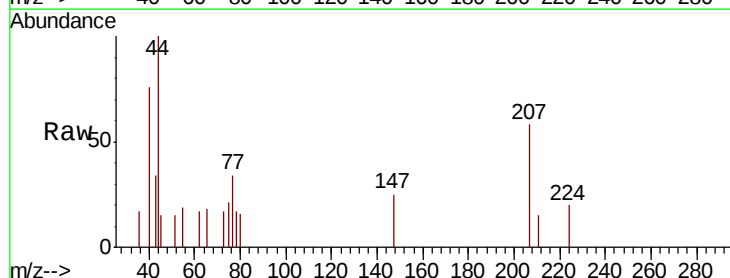


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

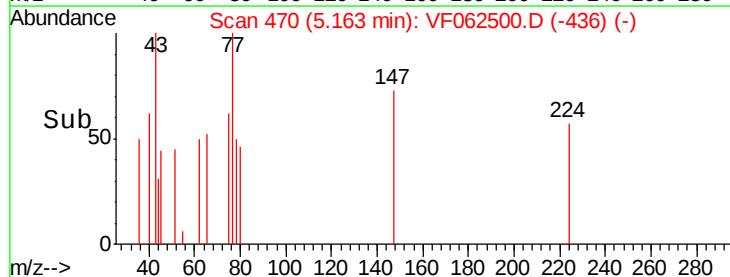
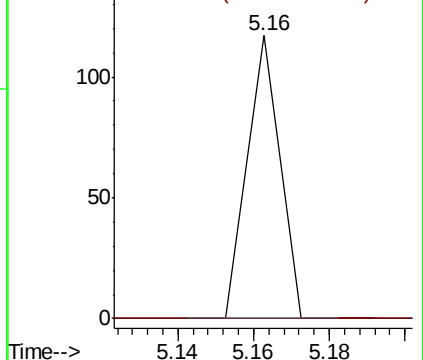


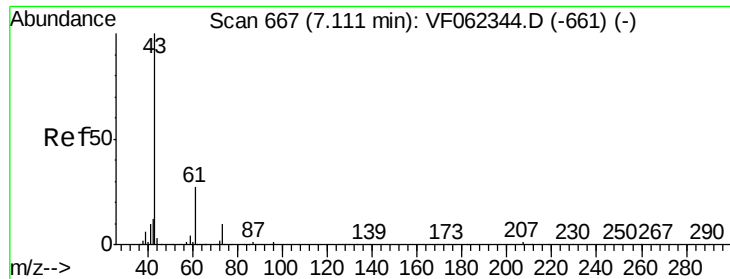
#42
1,2-Dichloroethane
Concen: 13.438 ug/l
RT: 5.16 min Scan# 470
Delta R.T. 0.03 min
Lab File: VF062500.D
Acq: 12 May 2019 13:53

Tgt Ion:	62	Resp:	69
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	12.4



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



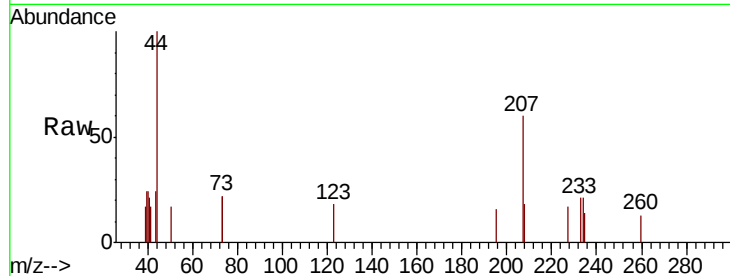


#43

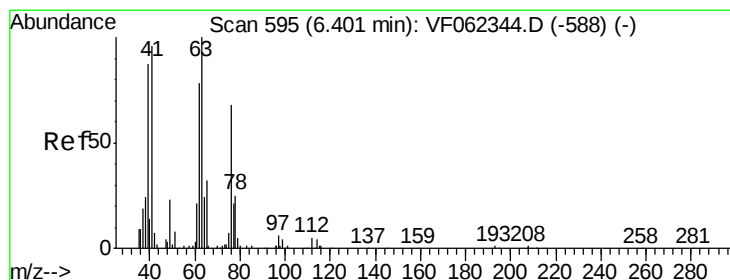
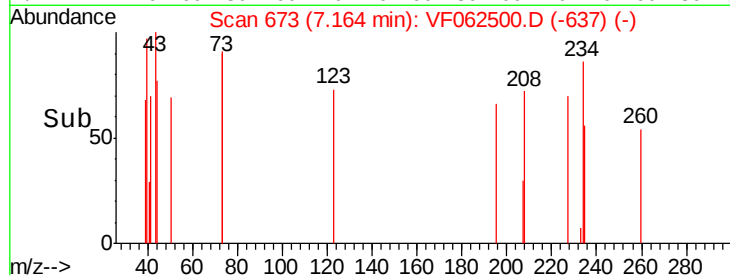
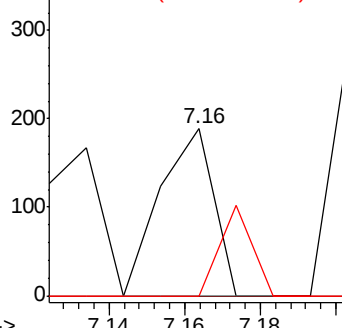
Isopropyl Acetate
 Concen: 72.954 ug/l
 RT: 7.16 min Scan# 673
 Delta R.T. 0.05 min
 Lab File: VF062500.D
 Acq: 12 May 2019 13:53

Instrument :
 MSVOA_F
 ClientSampleId :
 P021-SS004-1824-01

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	22.8	34.2#
87	32.4	0.6	1.0#



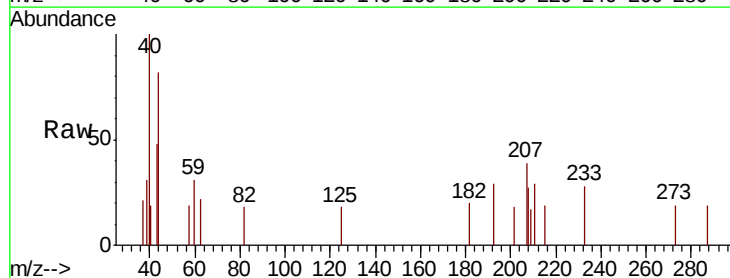
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



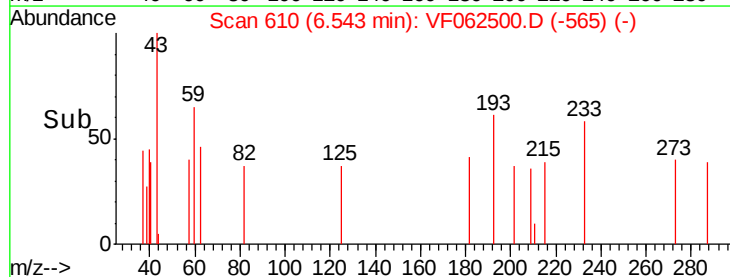
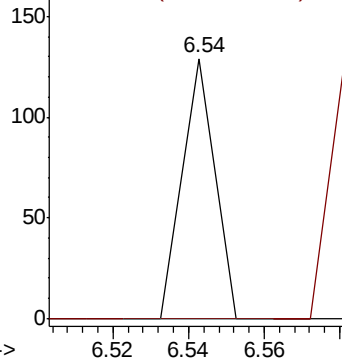
#45

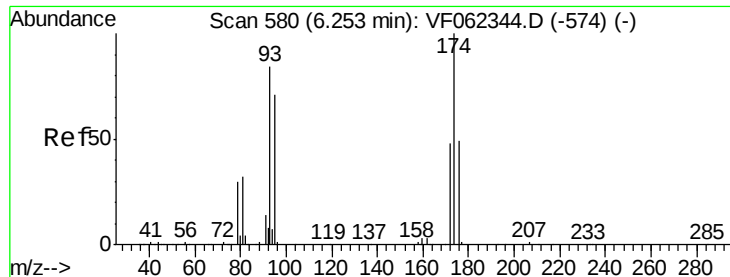
1,2-Dichloropropane
 Concen: 27.331 ug/l
 RT: 6.54 min Scan# 610
 Delta R.T. 0.14 min
 Lab File: VF062500.D
 Acq: 12 May 2019 13:53

Tgt Ion	Ratio	Lower	Upper
63	100		
65	0.0	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: 36.867 ug/l

RT: 6.46 min Scan# 602

Delta R.T. 0.21 min

Lab File: VF062500.D

Acq: 12 May 2019 13:53

Instrument :

MSVOA_F

ClientSampleId :

P021-SS004-1824-01

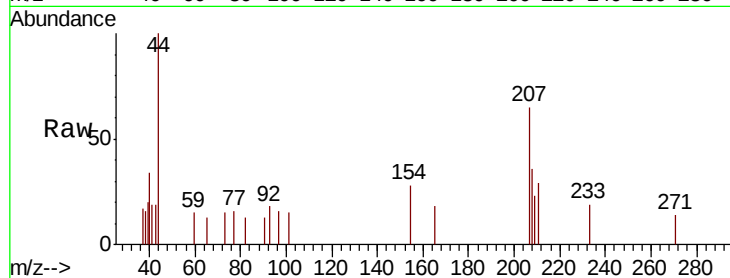
Tot Ion: 93 Resp: 85

Ion Ratio Lower Upper

93 100

95 85.9 68.4 102.6

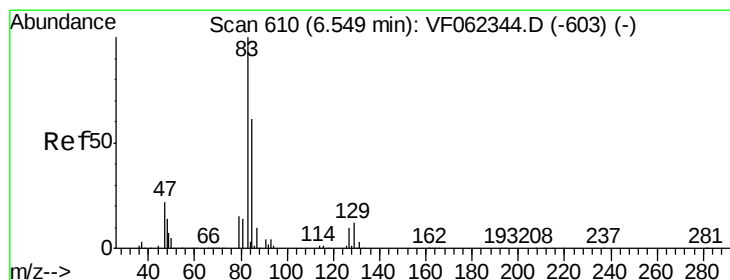
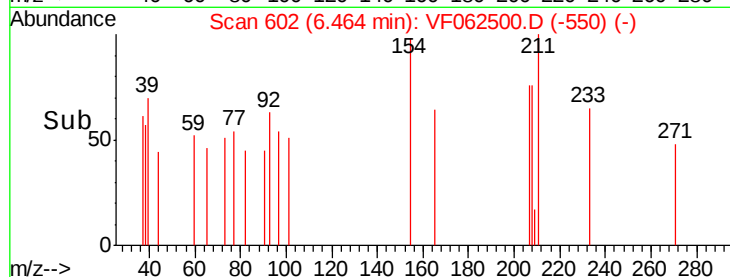
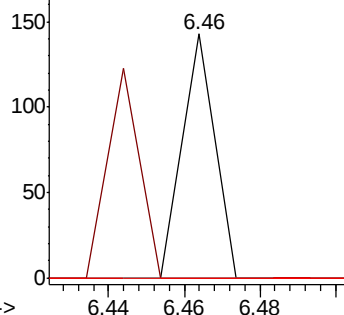
174 0.0 99.6 149.4#



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: 10.582 ug/l

RT: 6.67 min Scan# 623

Delta R.T. 0.12 min

Lab File: VF062500.D

Acq: 12 May 2019 13:53

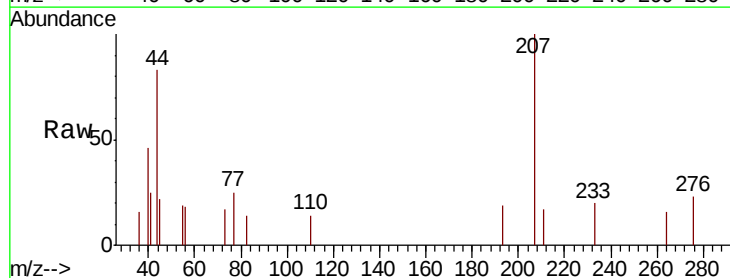
Tgt Ion: 83 Resp: 61

Ion Ratio Lower Upper

83 100

85 0.0 49.1 73.7#

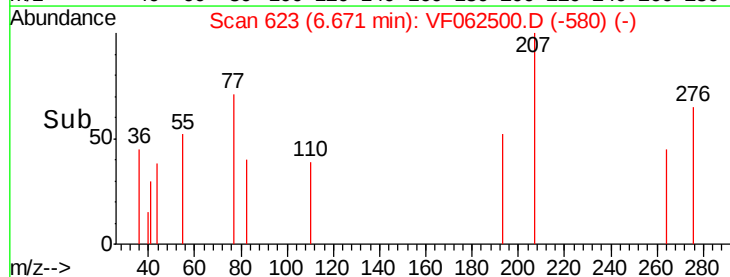
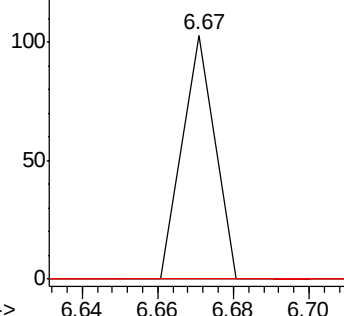
127 0.0 7.8 11.8#

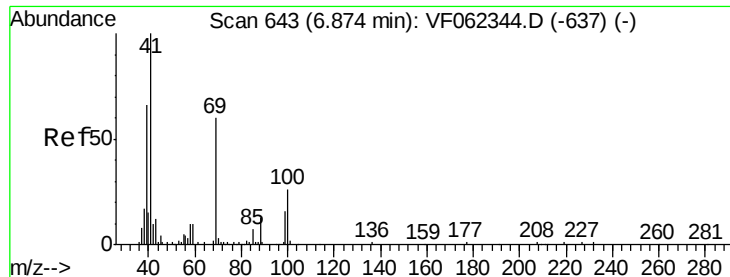


Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 126.80 (126.50 to 127.50): V

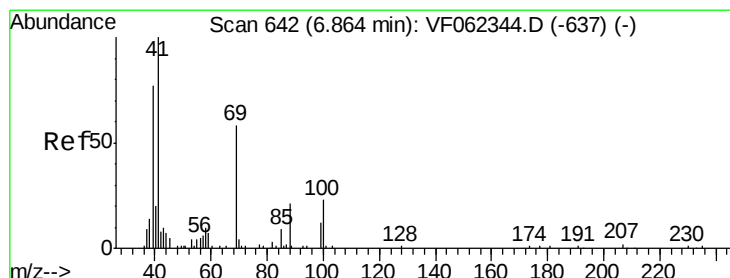
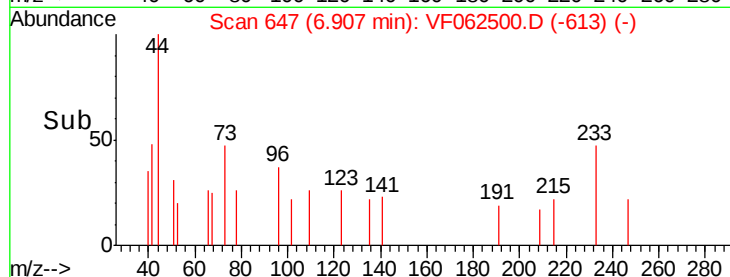
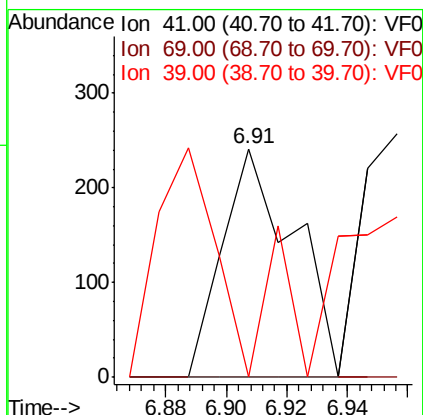
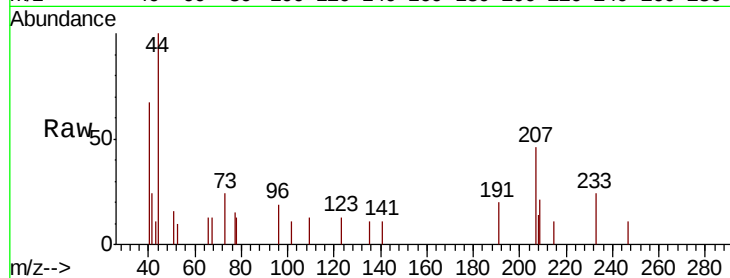




#48
Methyl methacrylate
Concen: 221.533 ug/l
RT: 6.91 min Scan# 647
Delta R.T. 0.03 min
Lab File: VF062500.D
Acq: 12 May 2019 13:53

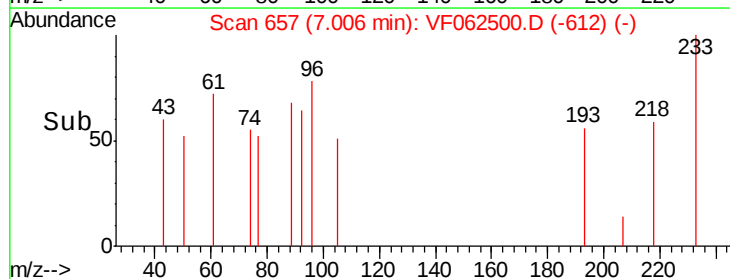
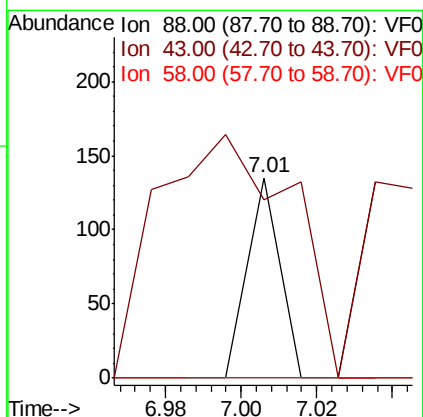
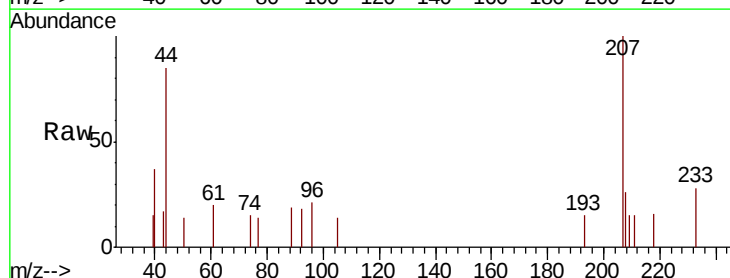
Instrument :
MSVOA_F
ClientSampleId :
P021-SS004-1824-01

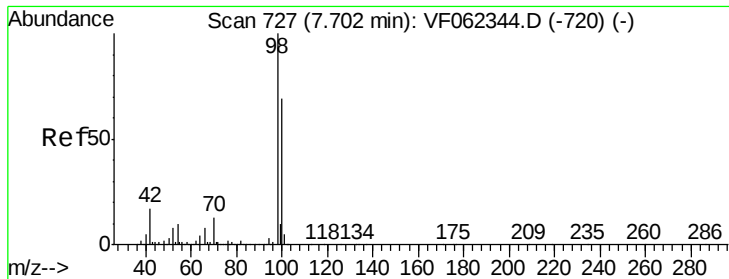
Tot Ion: 41 Resp: 397
Ion Ratio Lower Upper
41 100
69 0.0 48.6 72.8#
39 81.4 56.1 84.1



#49
1,4-Dioxane
Concen: 4384.748 ug/l
RT: 7.01 min Scan# 657
Delta R.T. 0.14 min
Lab File: VF062500.D
Acq: 12 May 2019 13:53

Tgt Ion: 88 Resp: 80
Ion Ratio Lower Upper
88 100
43 502.5 55.6 83.4#
58 0.0 52.8 79.2#





#50

Toluene-d8

Concen: 33.158 ug/l

RT: 7.74 min Scan# 731

Delta R.T. 0.03 min

Lab File: VF062500.D

Acq: 12 May 2019 13:53

Instrument :

MSVOA_F

ClientSampleId :

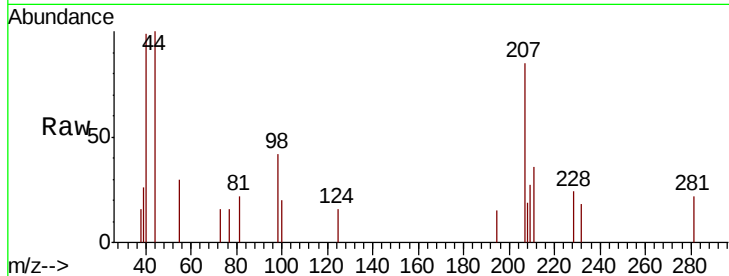
P021-SS004-1824-01

Tot Ion: 98 Resp: 415

Ion Ratio Lower Upper

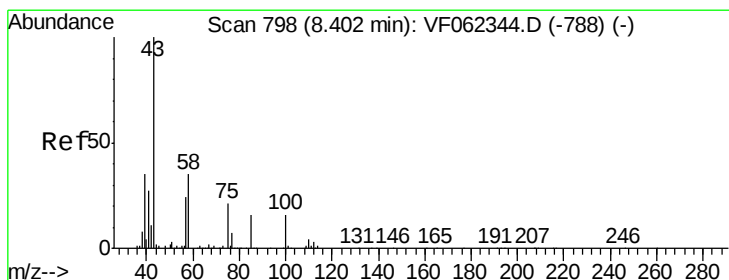
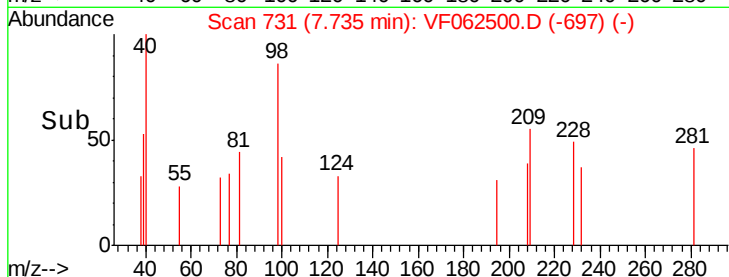
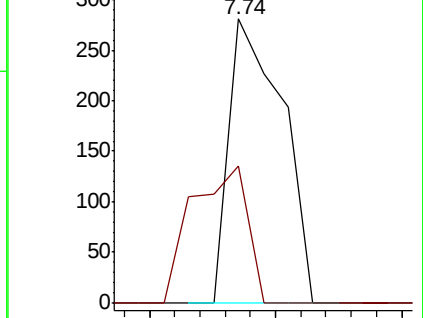
98 100

100 49.6 53.3 79.9#



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF



#51

4-Methyl-2-Pentanone

Concen: 90.553 ug/l

RT: 8.37 min Scan# 795

Delta R.T. -0.04 min

Lab File: VF062500.D

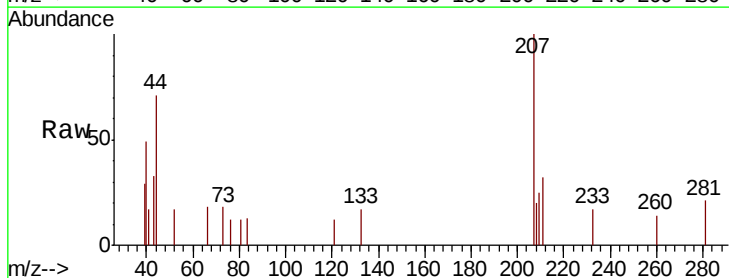
Acq: 12 May 2019 13:53

Tgt Ion: 43 Resp: 174

Ion Ratio Lower Upper

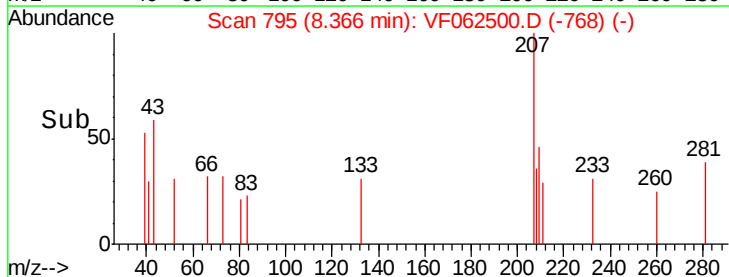
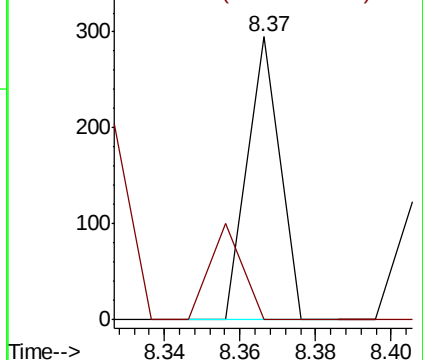
43 100

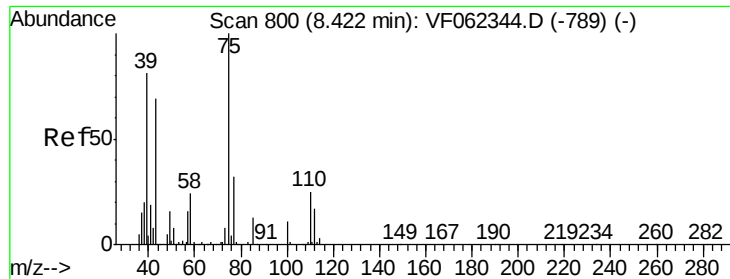
58 34.5 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#53

t-1,3-Dichloropropene

Concen: 13.992 ug/l

RT: 8.47 min Scan# 806

Delta R.T. 0.05 min

Lab File: VF062500.D

Acq: 12 May 2019 13:53

Instrument :

MSVOA_F

ClientSampleId :

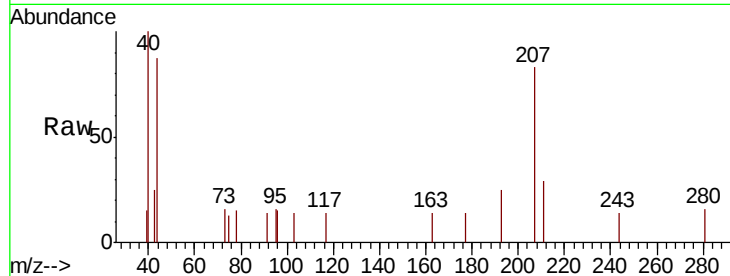
P021-SS004-1824-01

Tot Ion: 75 Resp: 61

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 76.90 (76.60 to 77.60): VF0

8.47

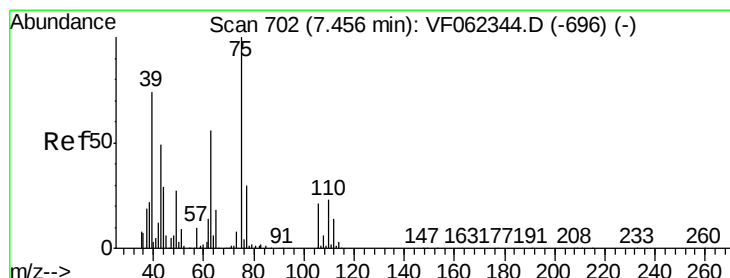
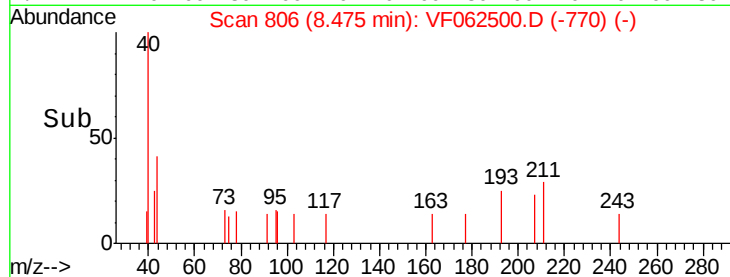
100

50

0

8.44 8.46 8.48 8.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 21.877 ug/l

RT: 7.50 min Scan# 707

Delta R.T. 0.04 min

Lab File: VF062500.D

Acq: 12 May 2019 13:53

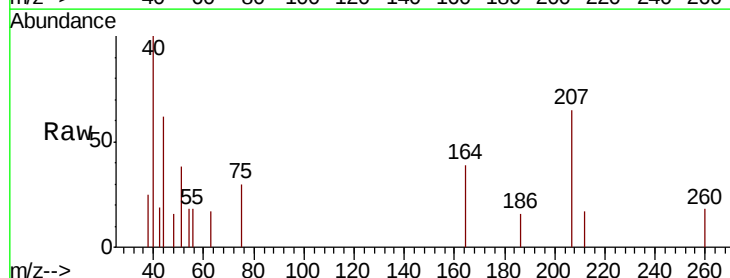
Tgt Ion: 75 Resp: 111

Ion Ratio Lower Upper

75 100

77 0.0 24.0 36.0#

39 0.0 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

250

200

150

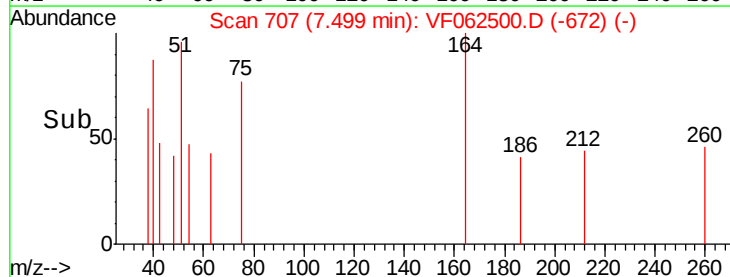
100

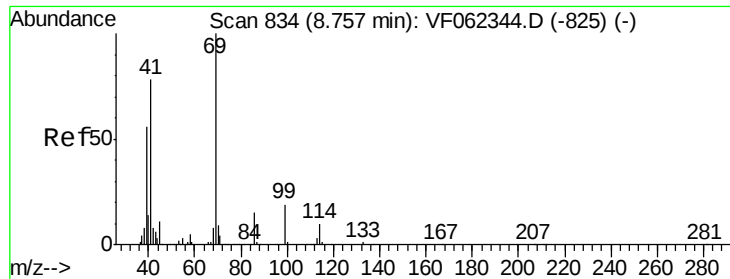
50

0

7.46 7.48 7.50 7.52

Time-->





#56

Ethyl methacrylate

Concen: 91.018 ug/l

RT: 8.83 min Scan# 842

Delta R.T. 0.07 min

Lab File: VF062500.D

Acq: 12 May 2019 13:53

Instrument :

MSVOA_F

ClientSampleId :

P021-SS004-1824-01

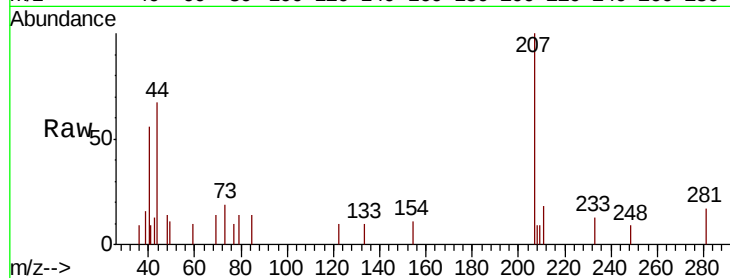
Tot Ion: 69 Resp: 231

Ion Ratio Lower Upper

69 100

41 238.1 66.3 99.5#

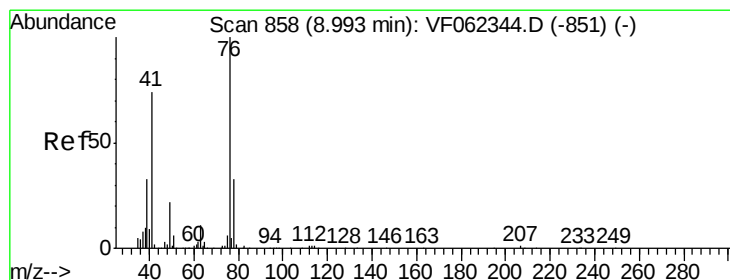
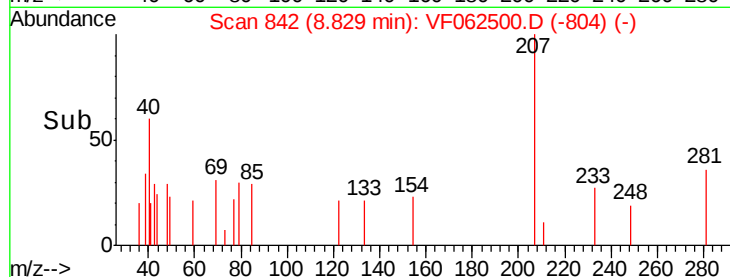
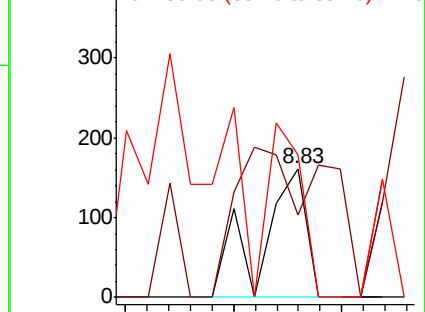
39 101.7 50.1 75.1#



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: 19.275 ug/l

RT: 9.07 min Scan# 866

Delta R.T. 0.07 min

Lab File: VF062500.D

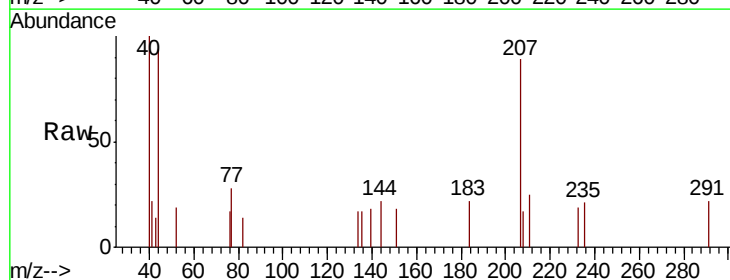
Acq: 12 May 2019 13:53

Tgt Ion: 76 Resp: 70

Ion Ratio Lower Upper

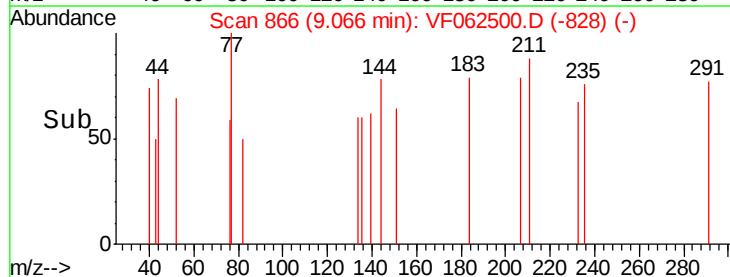
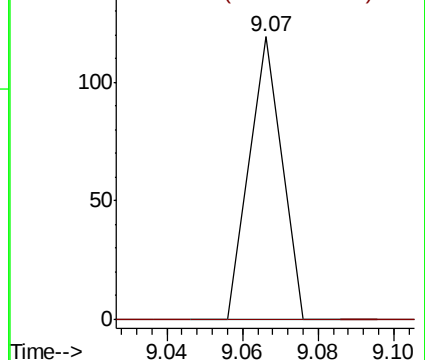
76 100

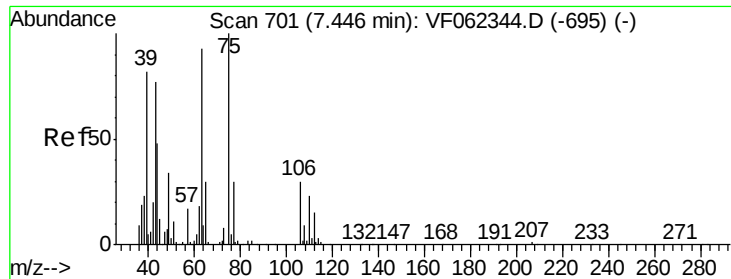
78 0.0 26.4 39.6#



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0

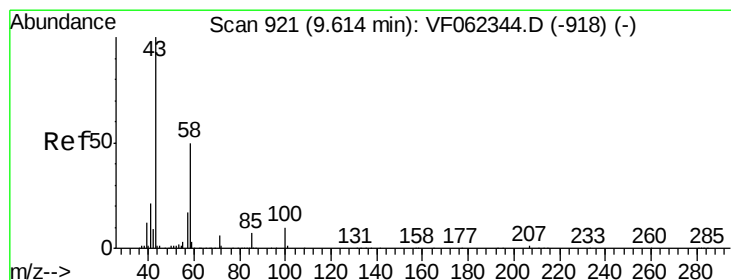
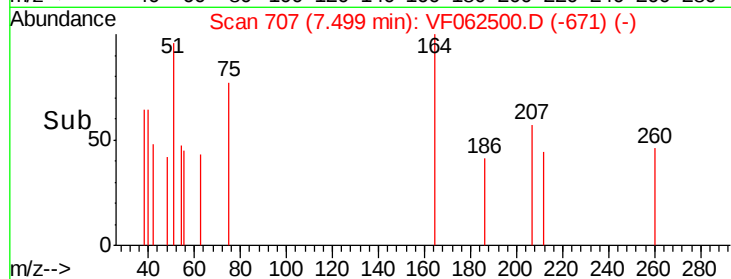
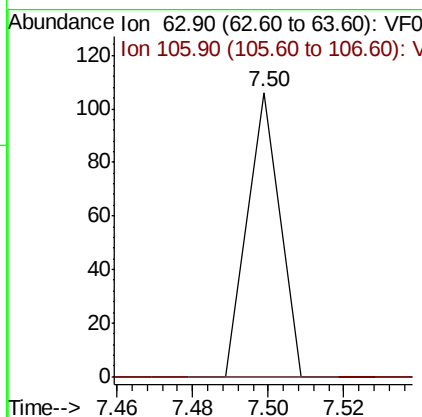
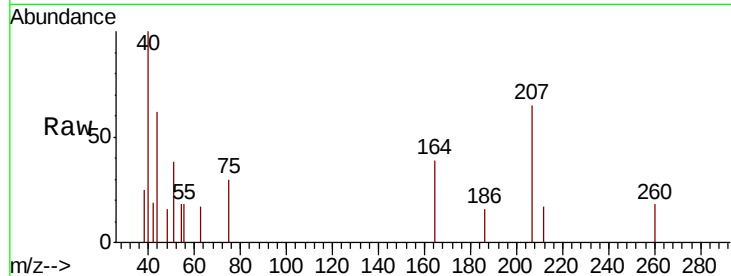




#58
 2-Chloroethyl Vinyl ether
 Concen: 82.567 ug/l
 RT: 7.50 min Scan# 707
 Delta R.T. 0.05 min
 Lab File: VF062500.D
 Acq: 12 May 2019 13:53

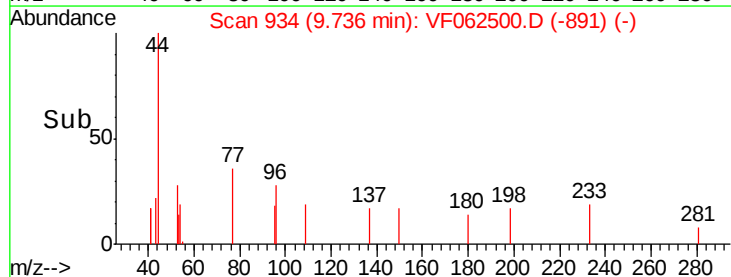
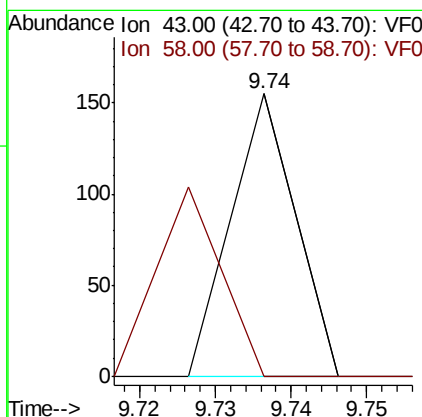
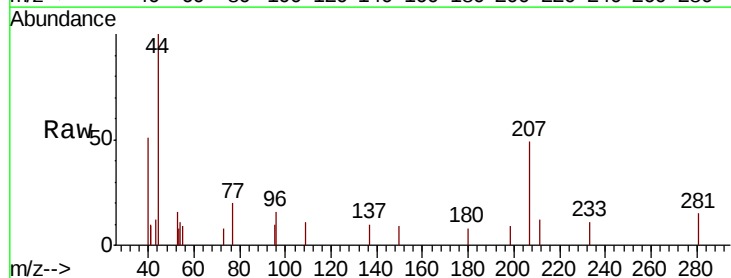
Instrument :
 MSVOA_F
 ClientSampleId :
 P021-SS004-1824-01

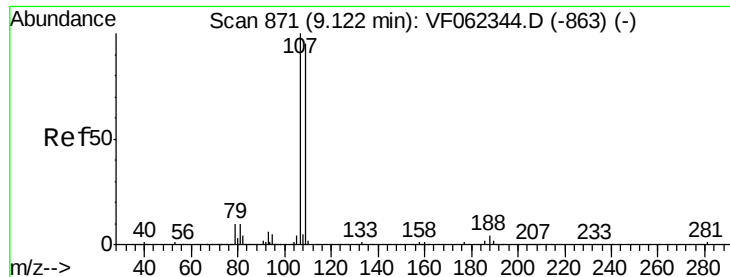
Tot Ion: 63 Resp: 63
 Ion Ratio Lower Upper
 63 100
 106 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 69.229 ug/l
 RT: 9.74 min Scan# 934
 Delta R.T. 0.12 min
 Lab File: VF062500.D
 Acq: 12 May 2019 13:53

Tgt Ion: 43 Resp: 92
 Ion Ratio Lower Upper
 43 100
 58 67.4 24.3 73.0





#61

1,2-Dibromoethane

Concen: 28.665 ug/l

RT: 9.28 min Scan# 888

Delta R.T. 0.16 min

Lab File: VF062500.D

Acq: 12 May 2019 13:53

Instrument :

MSVOA_F

ClientSampleId :

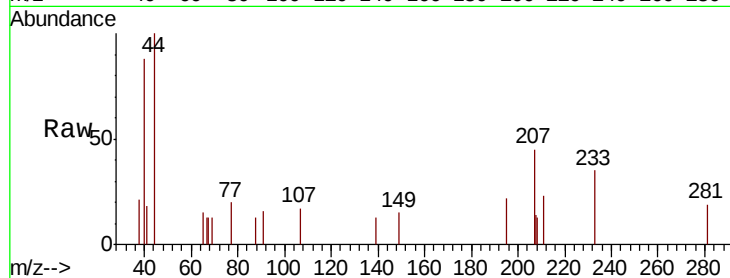
P021-SS004-1824-01

Tot Ion: 107 Resp: 81

Ion Ratio Lower Upper

107 100

109 75.3 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.28

150

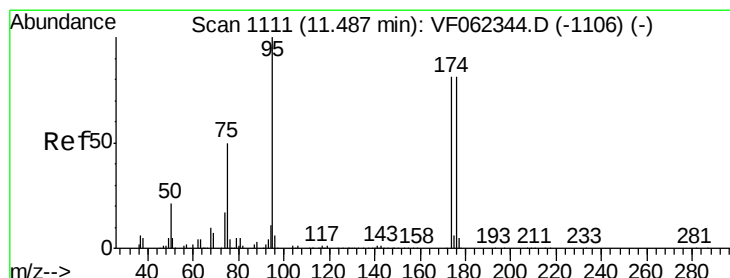
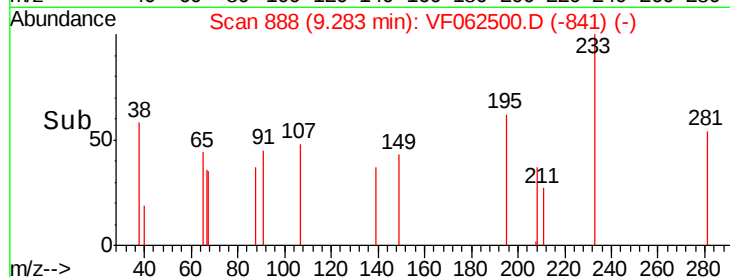
100

50

0

9.26 9.28 9.30

Time-->



#62

4-Bromofluorobenzene

Concen: 10.626 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.02 min

Lab File: VF062500.D

Acq: 12 May 2019 13:53

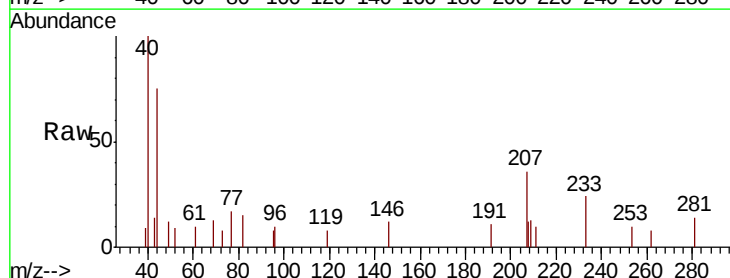
Tgt Ion: 95 Resp: 60

Ion Ratio Lower Upper

95 100

174 110.0 0.0 191.8

176 0.0 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

150

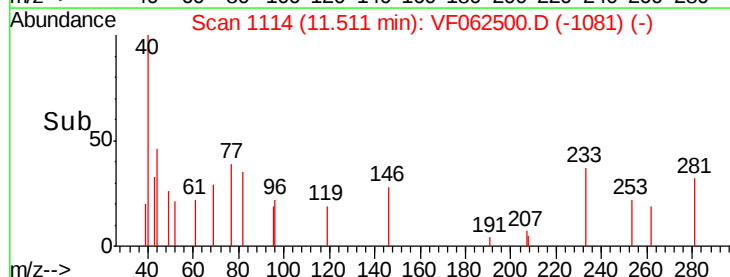
100

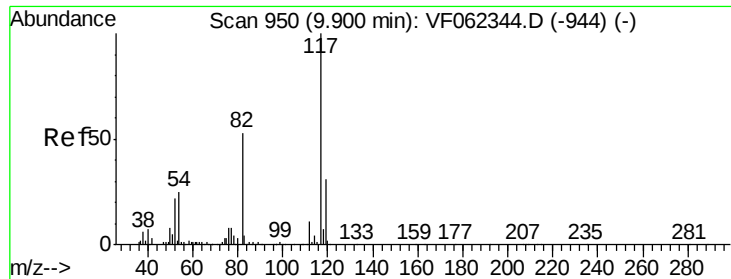
50

0

11.48 11.50 11.52 11.54

Time-->

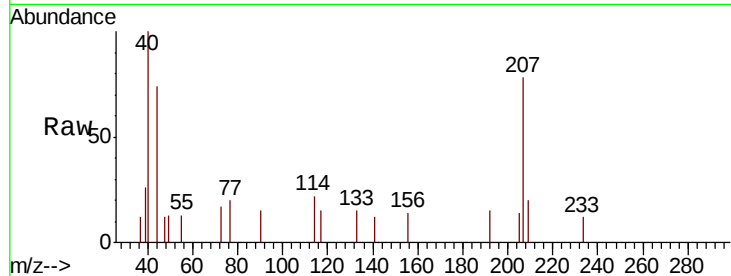




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.96 min Scan# 957
Delta R.T. 0.06 min
Lab File: VF062500.D
Acq: 12 May 2019 13:53

Instrument :
MSVOA_F
ClientSampleId :
P021-SS004-1824-01

Tot Ion	Ratio	Lower	Upper
117	100		
82	0.0	42.2	63.2#
119	0.0	25.0	37.4#

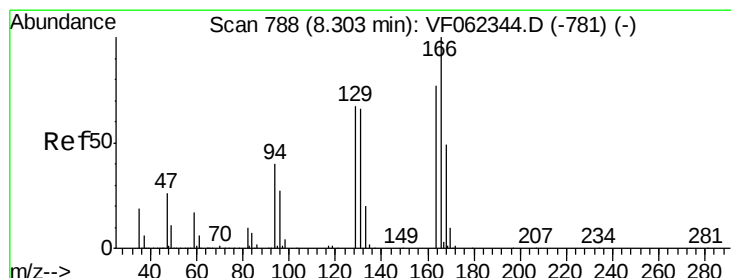
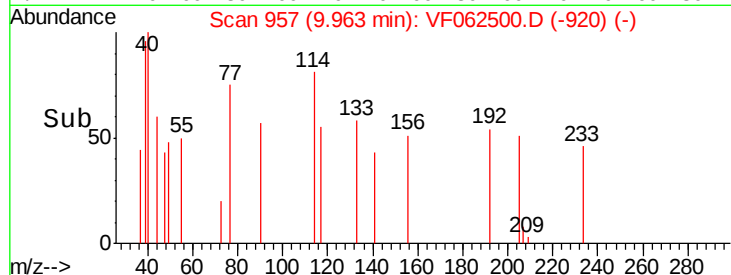
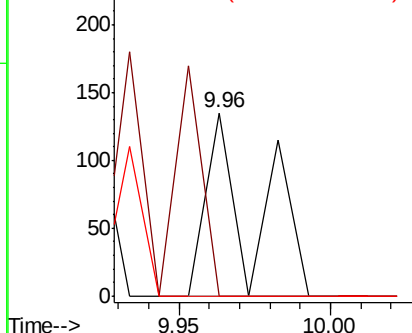


Abundance

Ion 116.90 (116.60 to 117.60): V

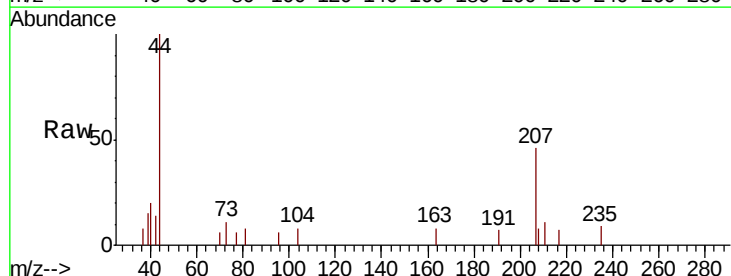
Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 62.422 ug/l
RT: 8.53 min Scan# 812
Delta R.T. 0.23 min
Lab File: VF062500.D
Acq: 12 May 2019 13:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	0.0	104.2	156.4#
129	0.0	69.6	104.4#
131	0.0	68.8	103.2#



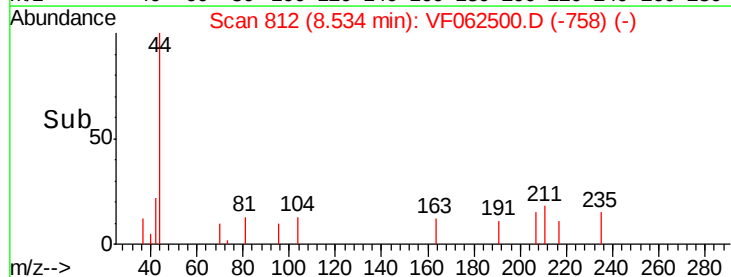
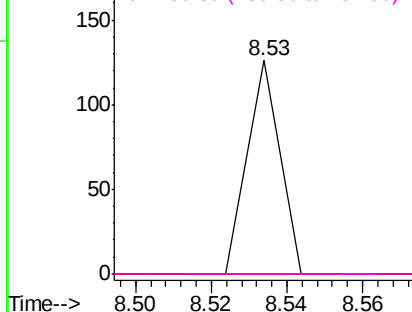
Abundance

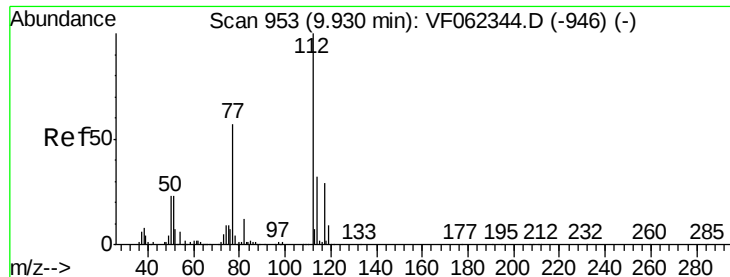
Ion 163.80 (163.50 to 164.50): V

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: 26.952 ug/l

RT: 10.10 min Scan# 971

Delta R.T. 0.17 min

Lab File: VF062500.D

Acq: 12 May 2019 13:53

Instrument :

MSVOA_F

ClientSampleId :

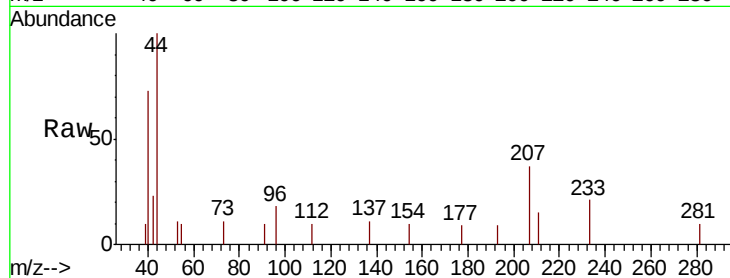
P021-SS004-1824-01

Tot Ion:112 Resp: 66

Ion Ratio Lower Upper

112 100

114 0.0 25.4 38.0#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

150

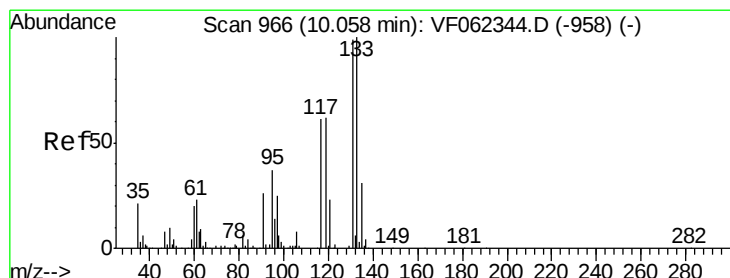
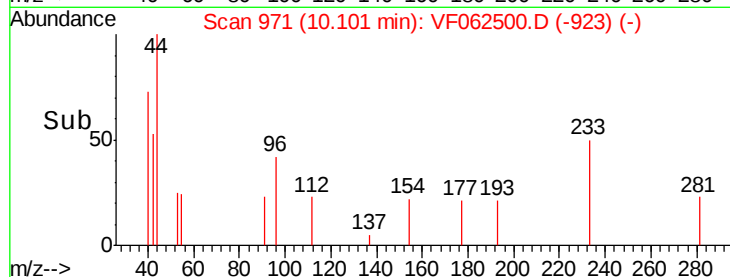
100

50

0

10.08 10.10 10.12

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 48.570 ug/l

RT: 10.15 min Scan# 976

Delta R.T. 0.09 min

Lab File: VF062500.D

Acq: 12 May 2019 13:53

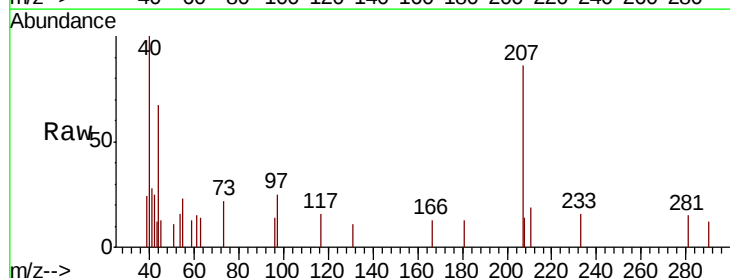
Tgt Ion:131 Resp: 60

Ion Ratio Lower Upper

131 100

133 611.7 50.2 150.7#

119 110.0 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

300

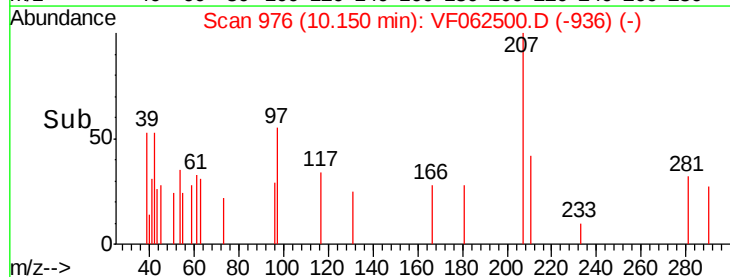
200

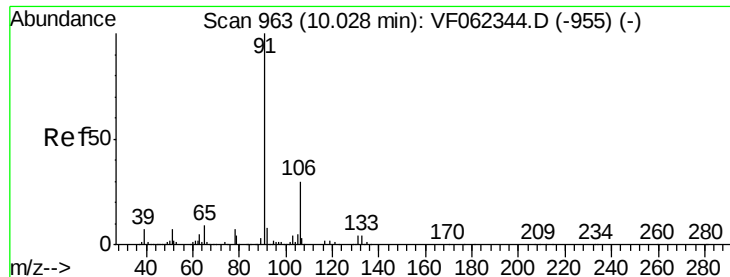
100

0

10.12 10.14 10.16 10.18

Time-->





#67

Ethyl Benzene

Concen: 15.625 ug/l

RT: 10.10 min Scan# 971

Delta R.T. 0.07 min

Lab File: VF062500.D

Acq: 12 May 2019 13:53

Instrument :

MSVOA_F

ClientSampleId :

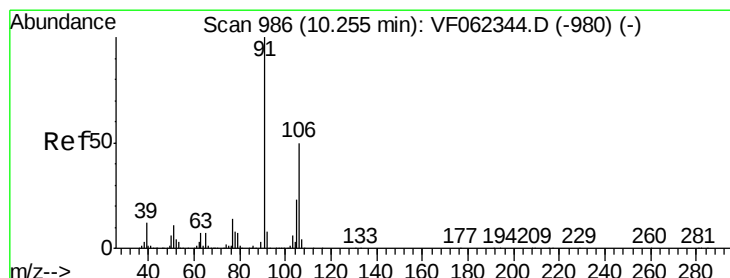
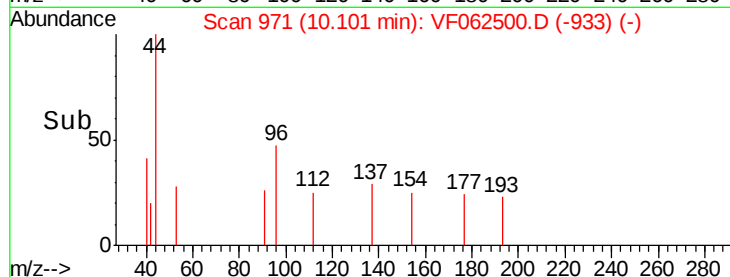
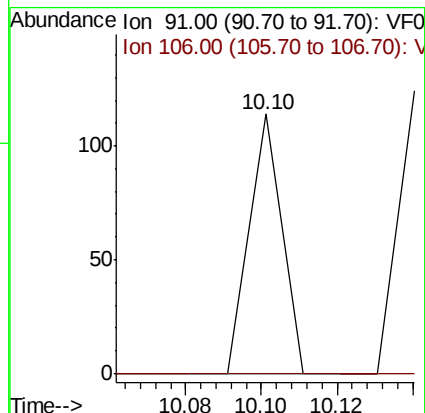
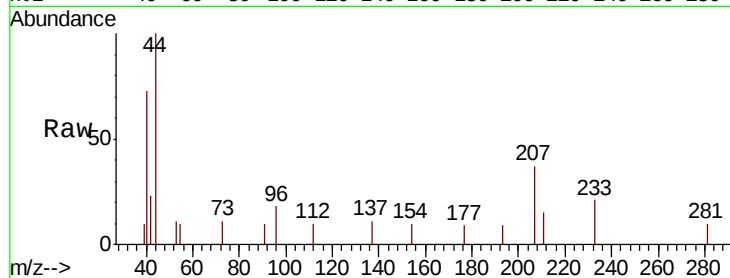
P021-SS004-1824-01

Tot Ion: 91 Resp: 67

Ion Ratio Lower Upper

91 100

106 0.0 24.1 36.1#



#68

m/p-Xylenes

Concen: 40.452 ug/l

RT: 10.05 min Scan# 966

Delta R.T. -0.20 min

Lab File: VF062500.D

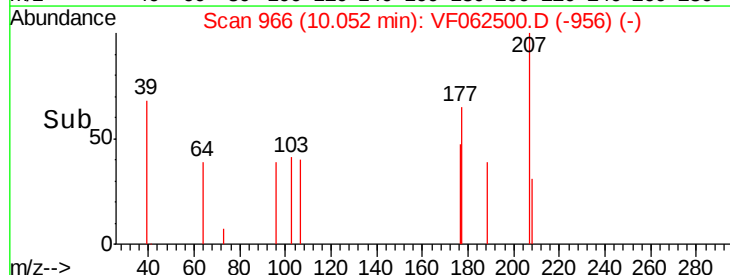
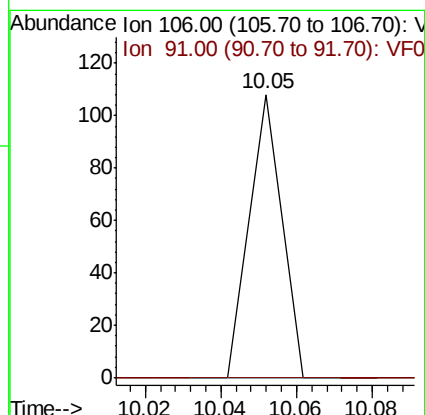
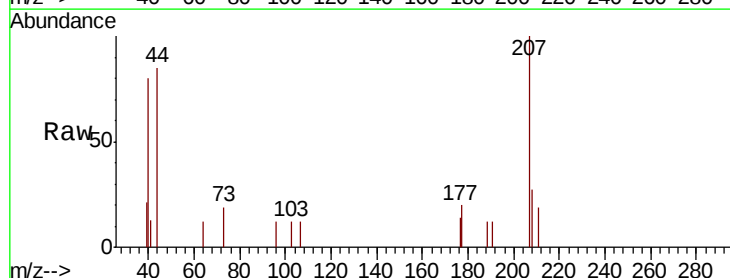
Acq: 12 May 2019 13:53

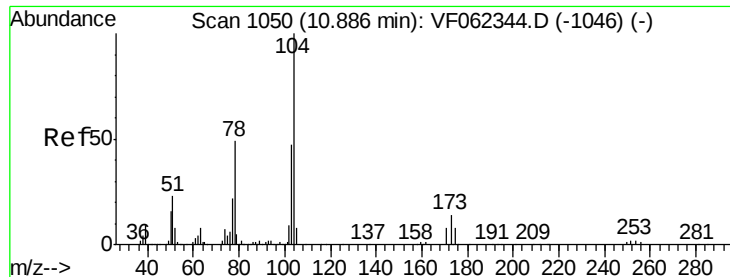
Tgt Ion: 106 Resp: 64

Ion Ratio Lower Upper

106 100

91 0.0 167.4 251.2#





#70

Stvrene

Concen: 25.759 ug/l

RT: 10.93 min Scan# 1055

Delta R.T. 0.04 min

Lab File: VF062500.D

Acq: 12 May 2019 13:53

Instrument :

MSVOA_F

ClientSampleId :

P021-SS004-1824-01

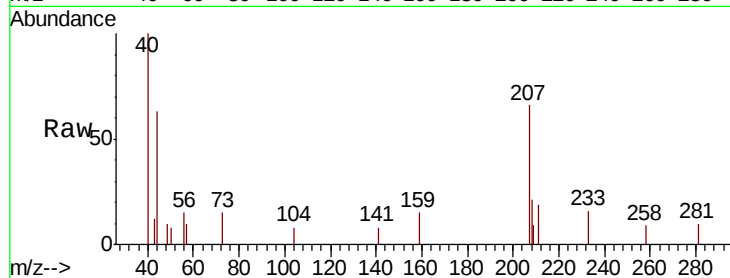
Tot Ion:104 Resp: 66

Ion Ratio Lower Upper

104 100

78 0.0 39.5 59.3#

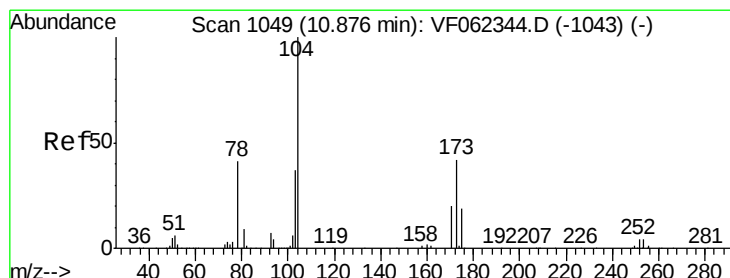
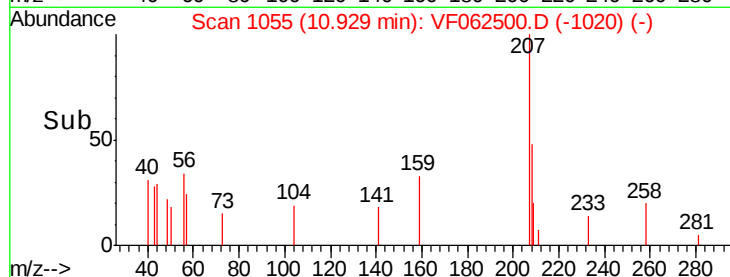
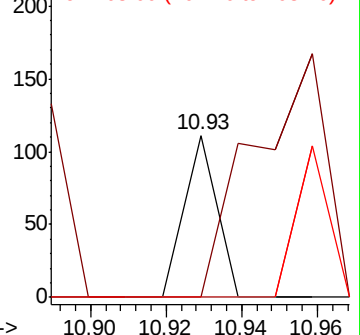
103 0.0 38.4 57.6#



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: 112.297 ug/l

RT: 10.82 min Scan# 1044

Delta R.T. -0.06 min

Lab File: VF062500.D

Acq: 12 May 2019 13:53

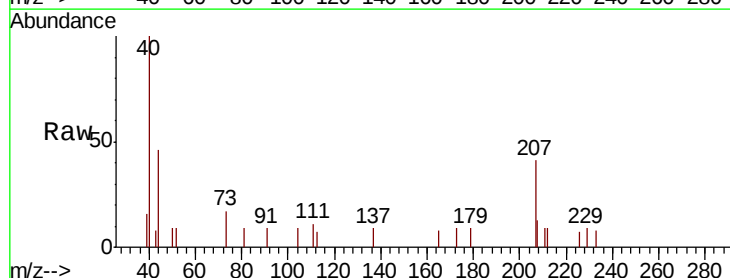
Tgt Ion:173 Resp: 76

Ion Ratio Lower Upper

173 100

175 115.8 23.8 71.2#

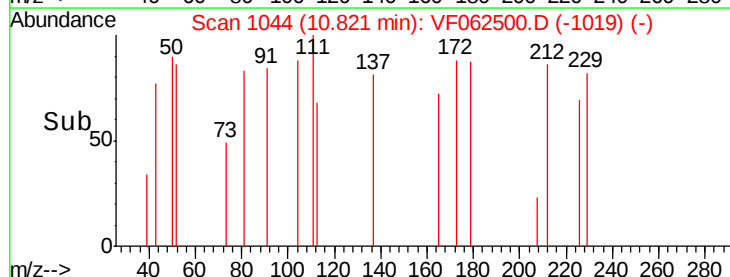
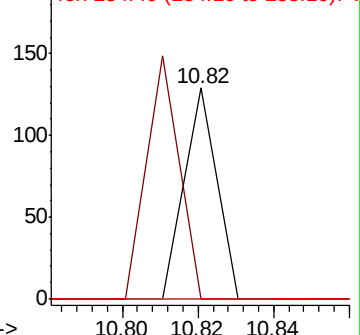
254 0.0 0.1 0.1#

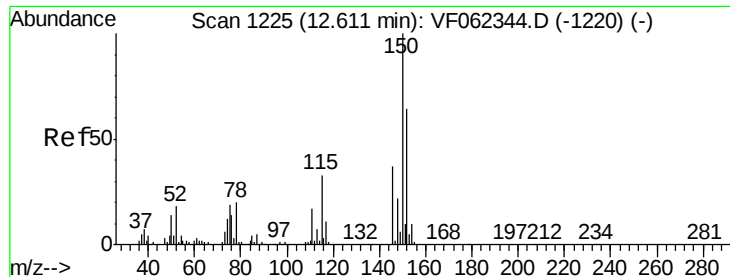


Abundance Ion 172.70 (172.40 to 173.40): V

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: 12.56 min Scan# 1220

Delta R.T. -0.06 min

Lab File: VF062500.D

Acq: 12 May 2019 13:53

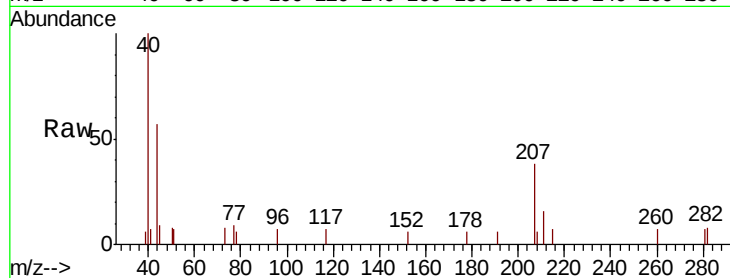
Instrument :

MSVOA_F

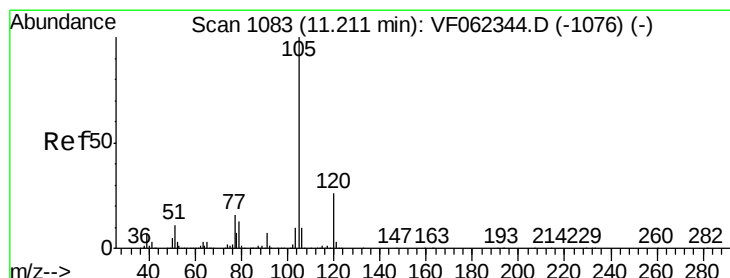
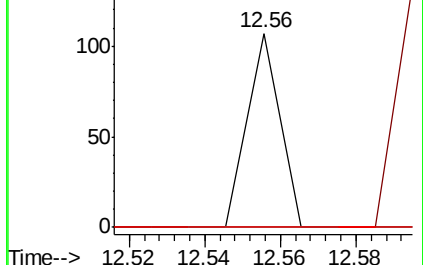
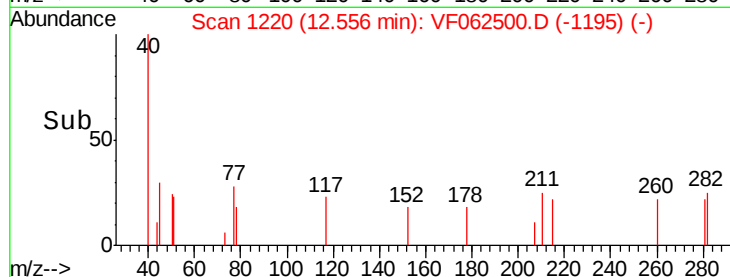
ClientSampleId :

P021-SS004-1824-01

Tot Ion:	152	Resp:	63
Ion	Ratio	Lower	Upper
152	100		
115	0.0	26.4	79.2#
150	0.0	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: 16.868 ug/l

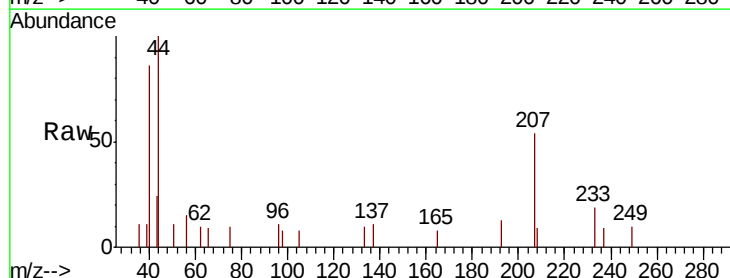
RT: 11.22 min Scan# 1085

Delta R.T. 0.01 min

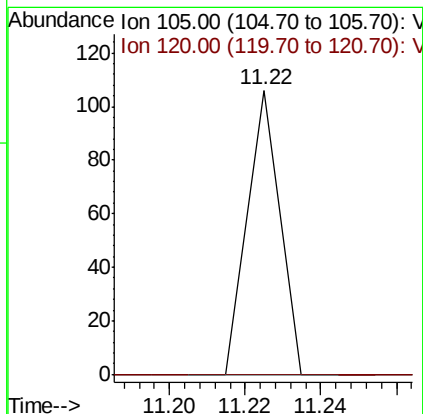
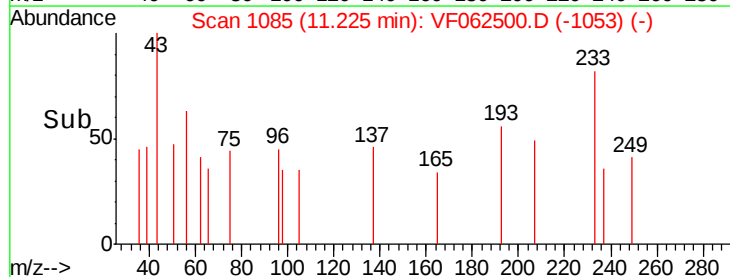
Lab File: VF062500.D

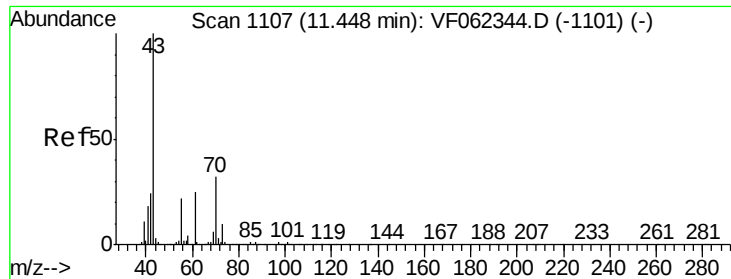
Acq: 12 May 2019 13:53

Tgt Ion:	105	Resp:	63
Ion	Ratio	Lower	Upper
105	100		
120	0.0	12.7	38.0#



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





#74

N-amvl acetate

Concen: 244.441 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF062500.D

Acq: 12 May 2019 13:53

Instrument :

MSVOA_F

ClientSampleId :

P021-SS004-1824-01

Tot Ion: 43 Resp: 196

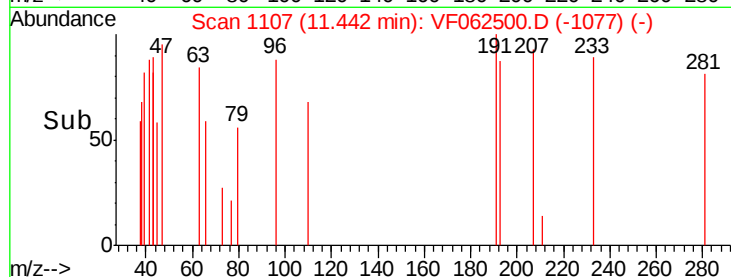
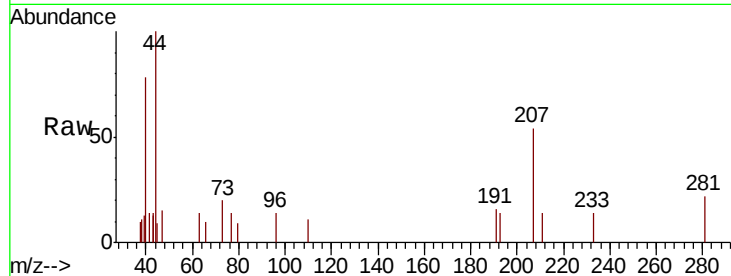
Ion Ratio Lower Upper

43 100

70 0.0 26.5 39.7#

55 45.4 17.8 26.6#

61 0.0 20.2 30.2#

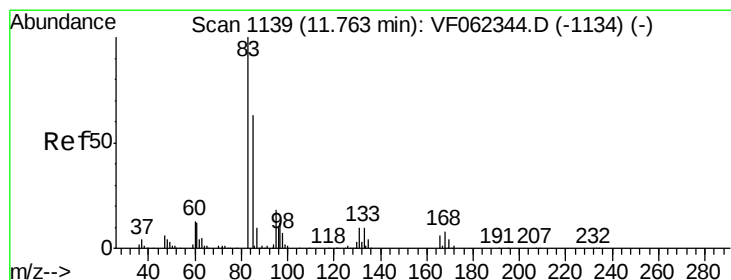
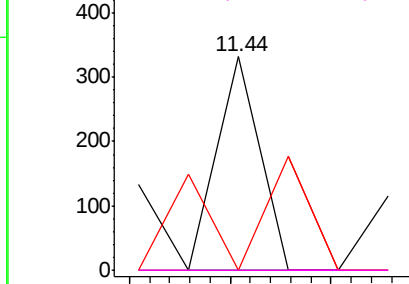


Abundance Ion 43.00 (42.70 to 43.70): VF0

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



#75

1,1,2,2-Tetrachloroethane

Concen: 114.571 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.08 min

Lab File: VF062500.D

Acq: 12 May 2019 13:53

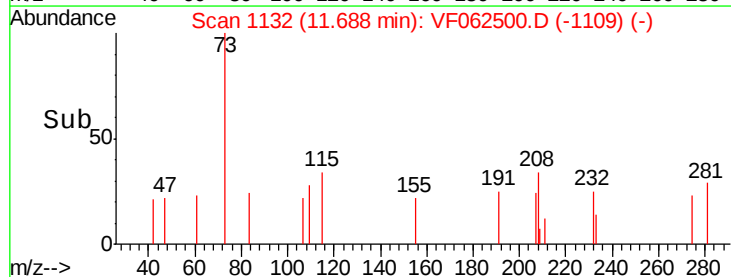
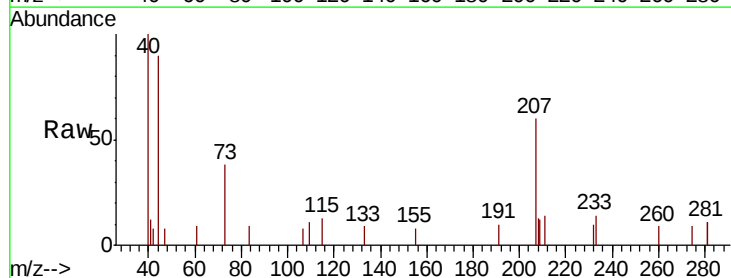
Tgt Ion: 83 Resp: 67

Ion Ratio Lower Upper

83 100

131 128.4 5.8 17.4#

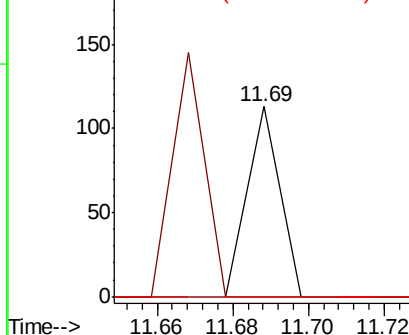
85 0.0 35.3 105.7#

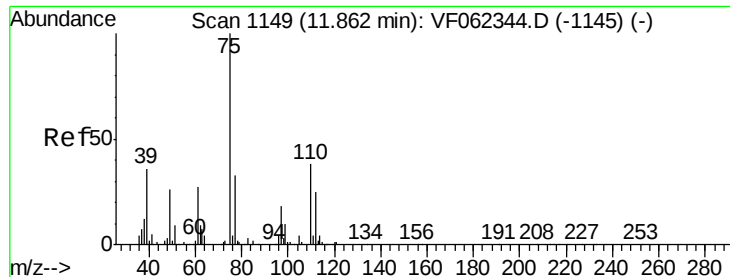


Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0





#76

1,2,3-Trichloropropane

Concen: 251.032 ug/l

RT: 11.85 min Scan# 1148

Delta R.T. -0.02 min

Lab File: VF062500.D

Acq: 12 May 2019 13:53

Instrument :

MSVOA_F

ClientSampleId :

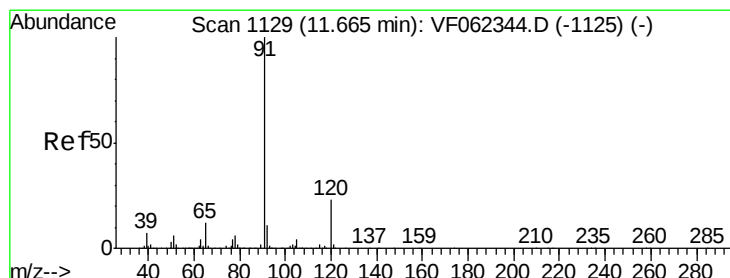
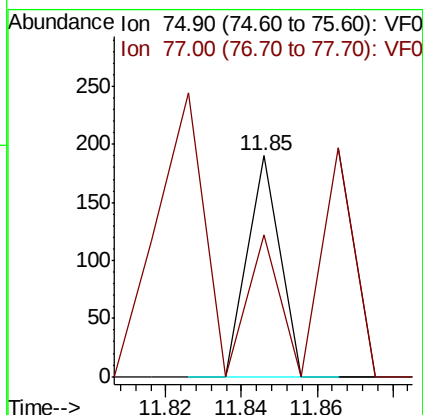
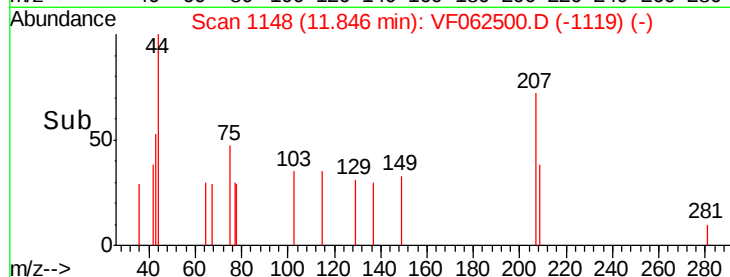
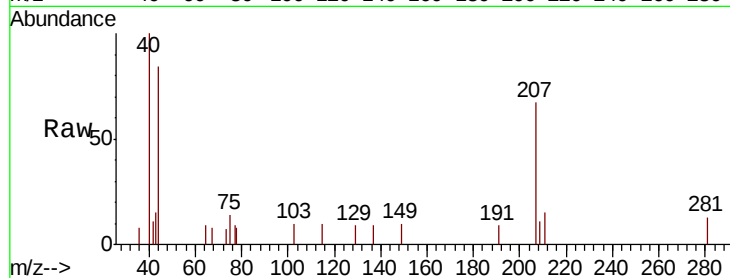
P021-SS004-1824-01

Tot Ion: 75 Resp: 112

Ion Ratio Lower Upper

75 100

77 104.5 0.0 0.0#



#78

n-propylbenzene

Concen: 21.628 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VF062500.D

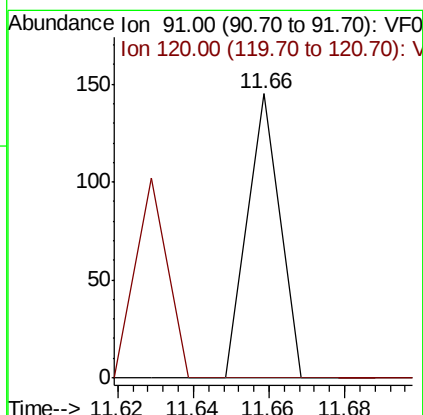
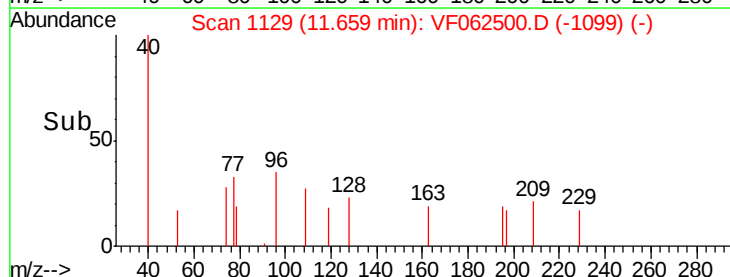
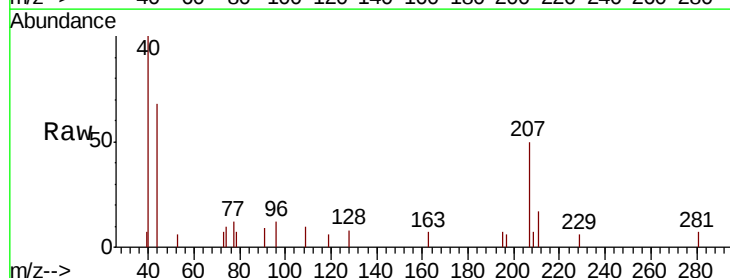
Acq: 12 May 2019 13:53

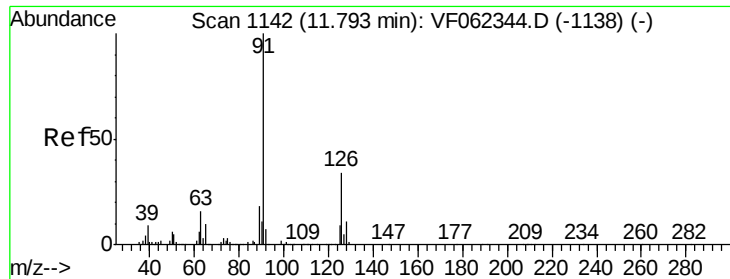
Tgt Ion: 91 Resp: 86

Ion Ratio Lower Upper

91 100

120 0.0 11.9 35.5#





#79

2-Chlorotoluene

Concen: 26.288 ug/l

RT: 11.83 min Scan# 1146

Delta R.T. 0.03 min

Lab File: VF062500.D

Acq: 12 May 2019 13:53

Instrument :

MSVOA_F

ClientSampleId :

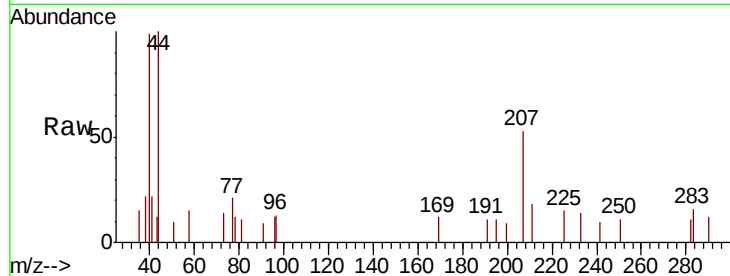
P021-SS004-1824-01

Tot Ion: 91 Resp: 65

Ion Ratio Lower Upper

91 100

126 118.5 17.8 53.4#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V

150

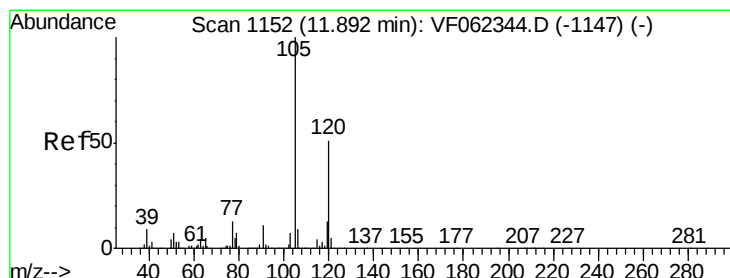
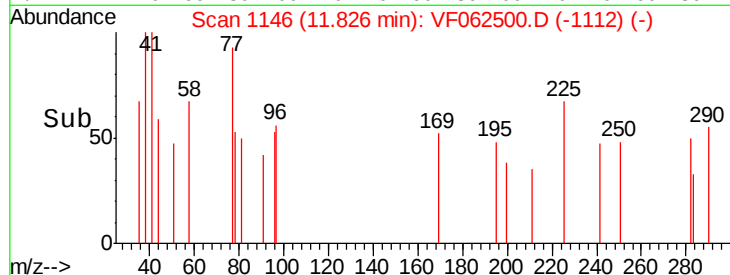
100

50

0

11.80 11.82 11.84

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 34.824 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF062500.D

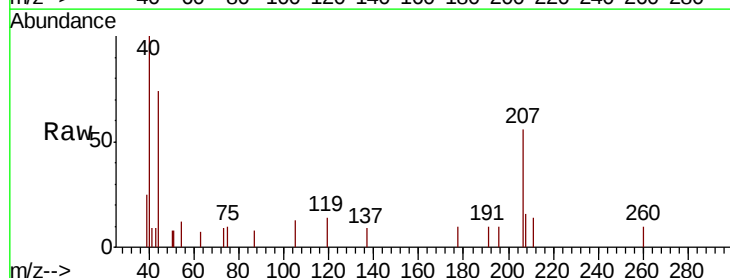
Acq: 12 May 2019 13:53

Tgt Ion:105 Resp: 114

Ion Ratio Lower Upper

105 100

120 0.0 24.6 74.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200

150

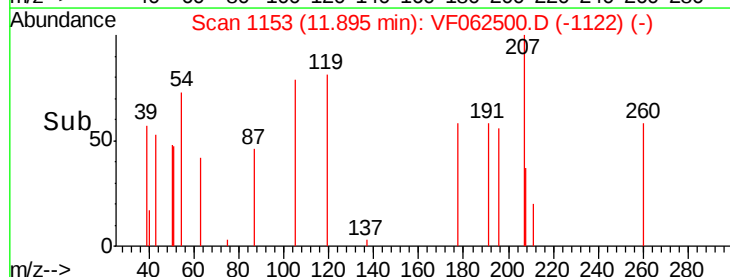
100

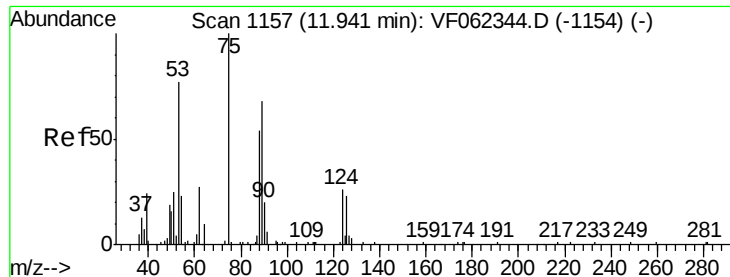
50

0

11.86 11.88 11.90 11.92

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 989.833 ug/l

RT: 11.93 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF062500.D

Acq: 12 May 2019 13:53

Instrument :

MSVOA_F

ClientSampleId :

P021-SS004-1824-01

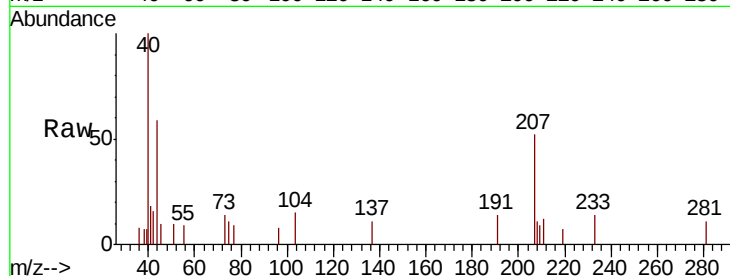
Tot Ion: 75 Resp: 166

Ion Ratio Lower Upper

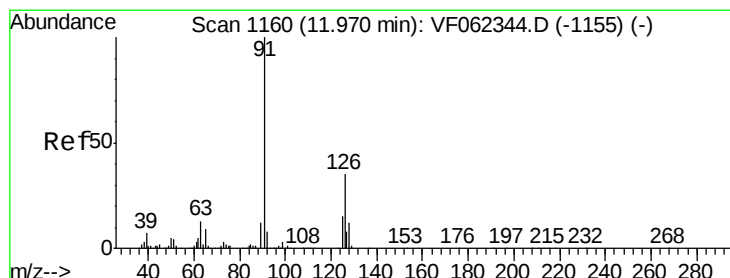
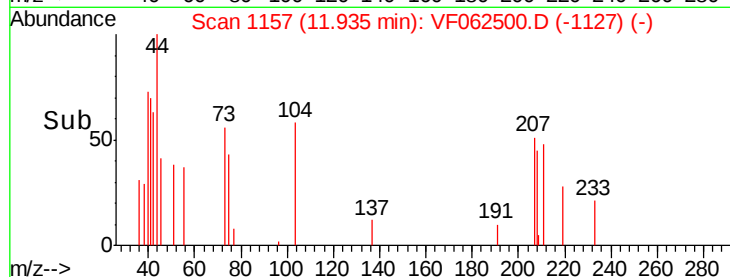
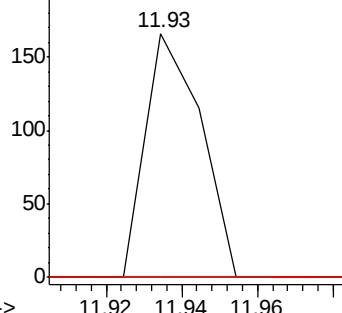
75 100

53 0.0 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: 25.798 ug/l

RT: 12.01 min Scan# 1165

Delta R.T. 0.04 min

Lab File: VF062500.D

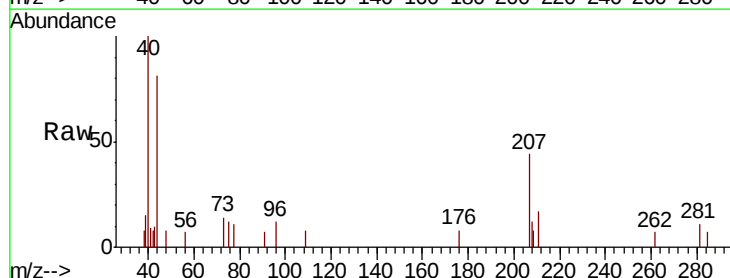
Acq: 12 May 2019 13:53

Tgt Ion: 91 Resp: 63

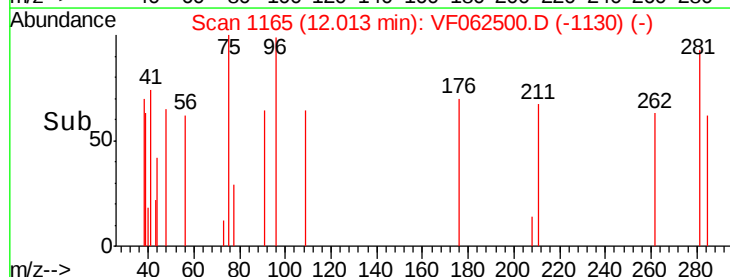
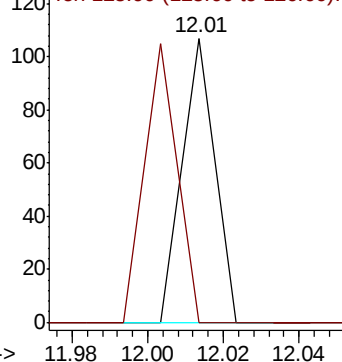
Ion Ratio Lower Upper

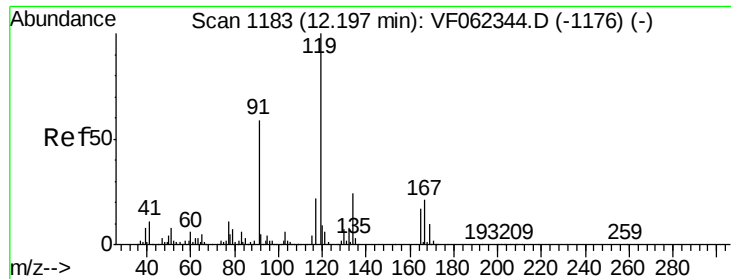
91 100

126 98.4 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: 31.683 ug/l

RT: 12.20 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VF062500.D

Acq: 12 May 2019 13:53

Instrument :

MSVOA_F

ClientSampleId :

P021-SS004-1824-01

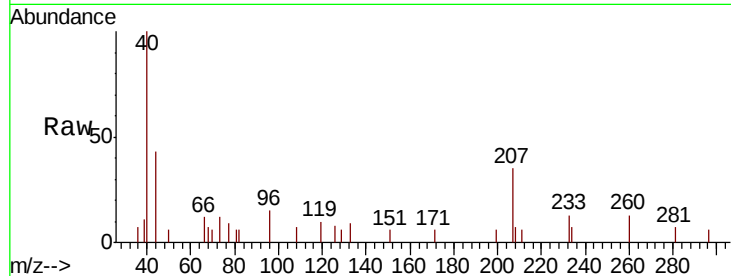
Tot Ion:119 Resp: 109

Ion Ratio Lower Upper

119 100

91 0.0 30.4 91.3#

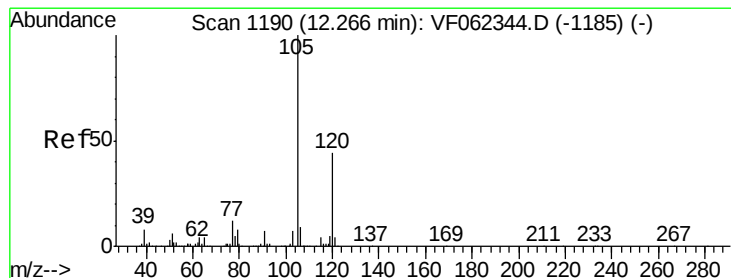
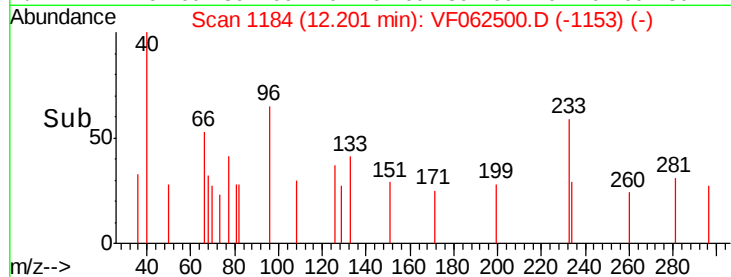
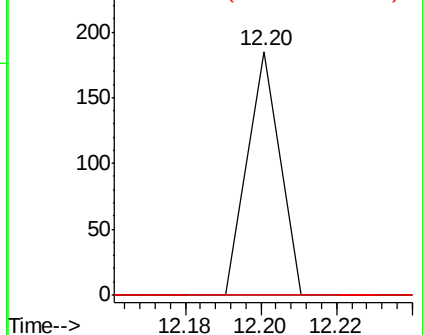
134 0.0 11.9 35.7#



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: 22.475 ug/l

RT: 12.26 min Scan# 1190

Delta R.T. -0.01 min

Lab File: VF062500.D

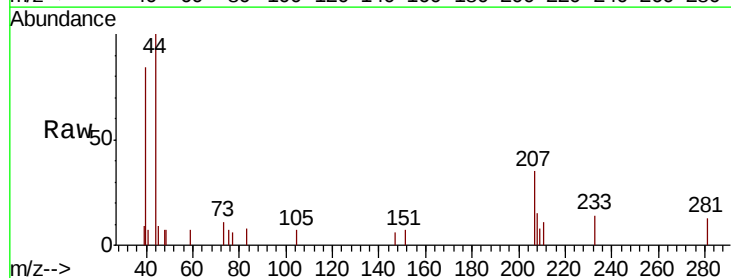
Acq: 12 May 2019 13:53

Tgt Ion:105 Resp: 72

Ion Ratio Lower Upper

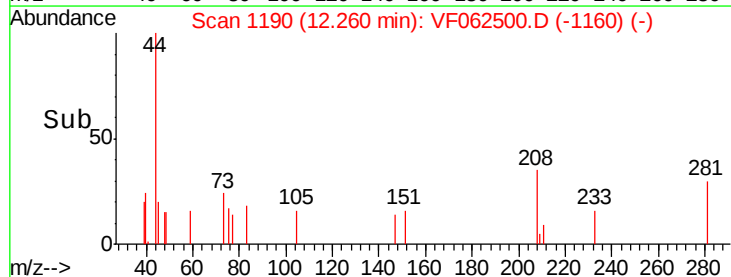
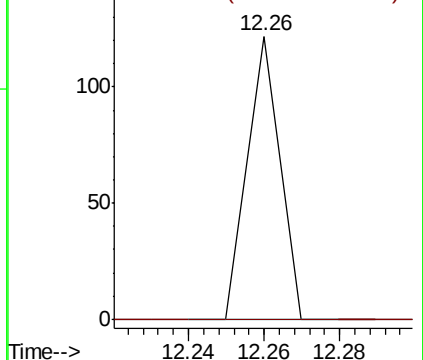
105 100

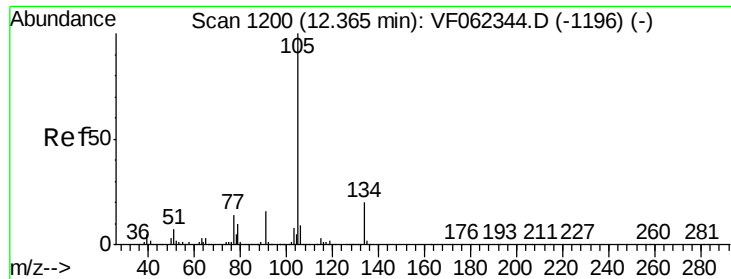
120 0.0 22.6 67.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

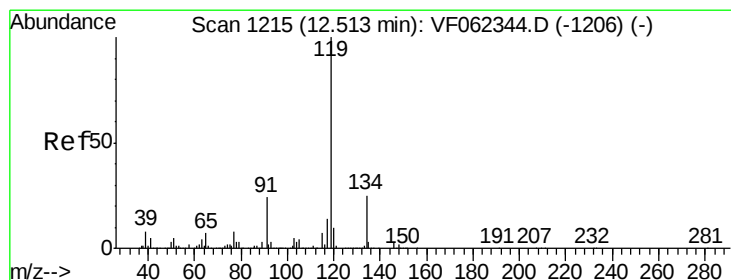
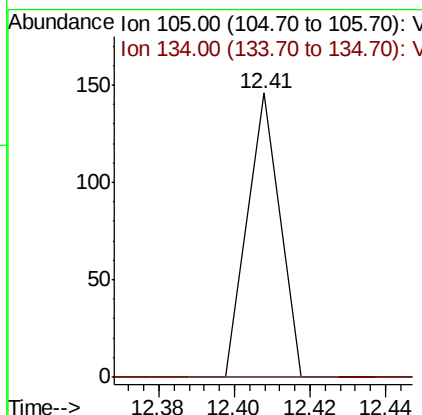
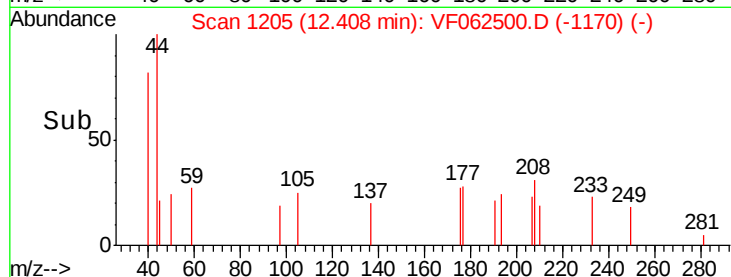
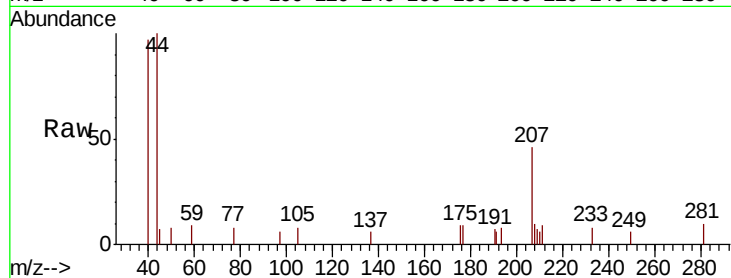




#85
 sec-Butylbenzene
 Concen: 20.537 ug/l
 RT: 12.41 min Scan# 1205
 Delta R.T. 0.04 min
 Lab File: VF062500.D
 Acq: 12 May 2019 13:53

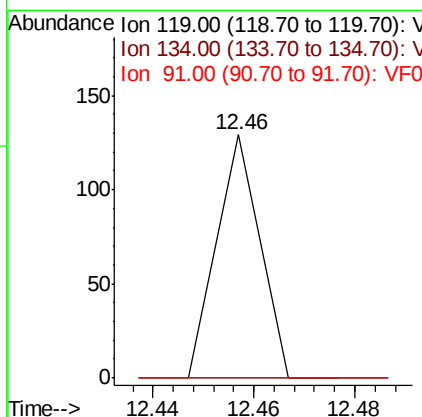
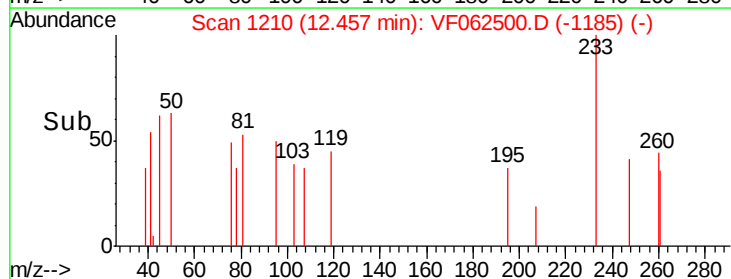
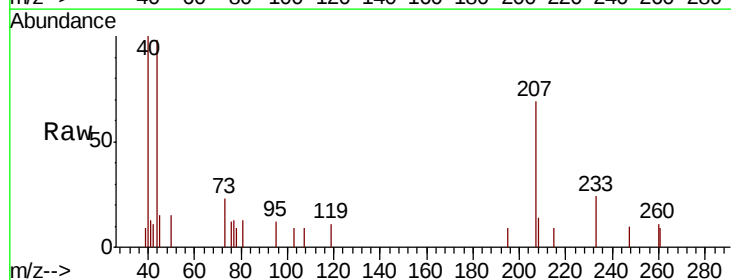
Instrument :
 MSVOA_F
 ClientSampleId :
 P021-SS004-1824-01

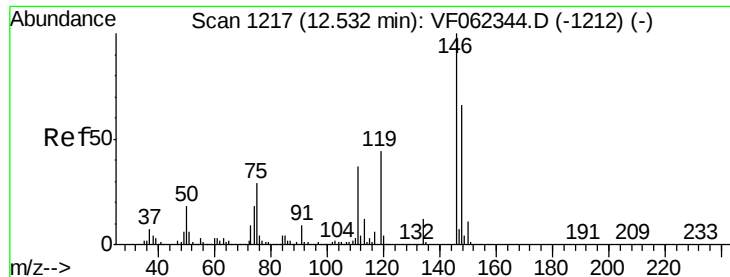
Tot Ion:105 Resp: 86
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.5#



#86
 p-Isopropyltoluene
 Concen: 19.534 ug/l
 RT: 12.46 min Scan# 1210
 Delta R.T. -0.06 min
 Lab File: VF062500.D
 Acq: 12 May 2019 13:53

Tgt Ion:119 Resp: 76
 Ion Ratio Lower Upper
 119 100
 134 0.0 12.9 38.7#
 91 0.0 12.3 36.8#





#87

1,3-Dichlorobenzene

Concen: 35.192 ug/l

RT: 12.60 min Scan# 1225

Delta R.T. 0.07 min

Lab File: VF062500.D

Acq: 12 May 2019 13:53

Instrument :

MSVOA_F

ClientSampleId :

P021-SS004-1824-01

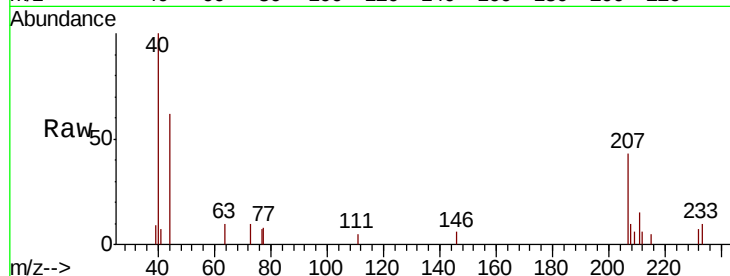
Tot Ion:146 Resp: 63

Ion Ratio Lower Upper

146 100

111 96.8 18.3 54.8#

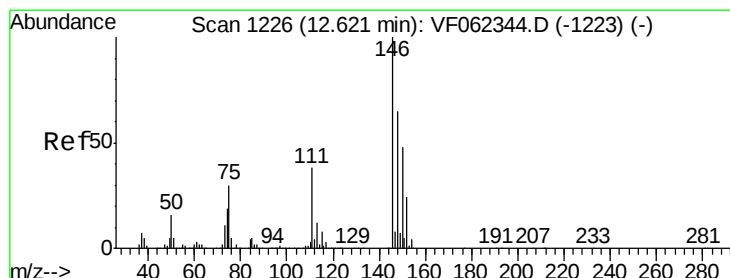
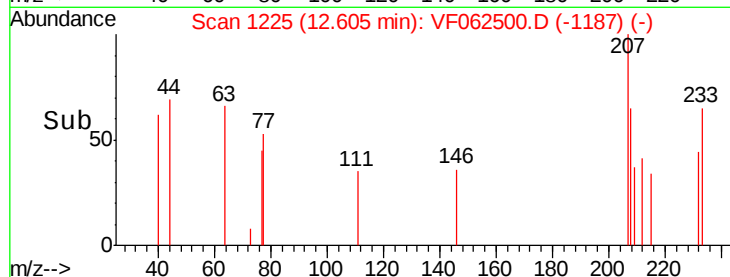
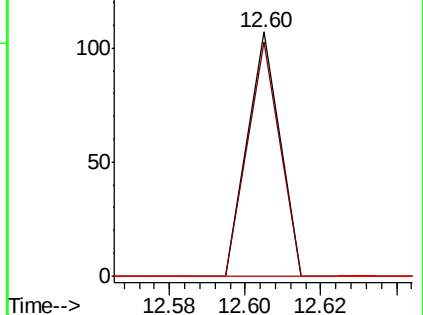
148 0.0 32.3 96.9#



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



#88

1,4-Dichlorobenzene

Concen: 36.462 ug/l

RT: 12.60 min Scan# 1225

Delta R.T. -0.02 min

Lab File: VF062500.D

Acq: 12 May 2019 13:53

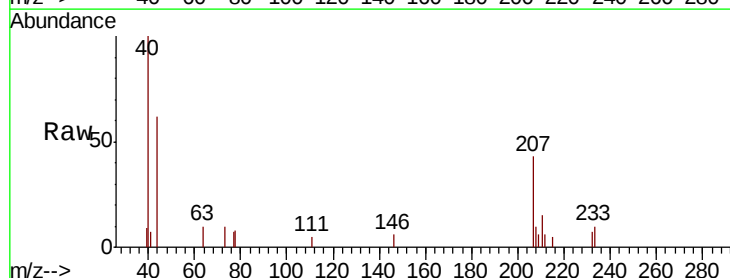
Tgt Ion:146 Resp: 63

Ion Ratio Lower Upper

146 100

111 96.8 18.8 56.3#

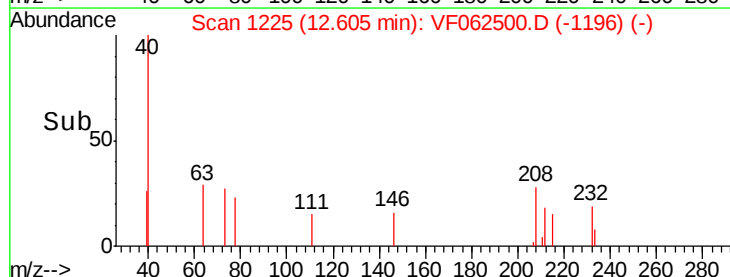
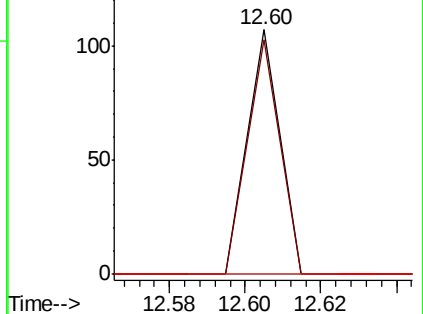
148 0.0 32.2 96.6#

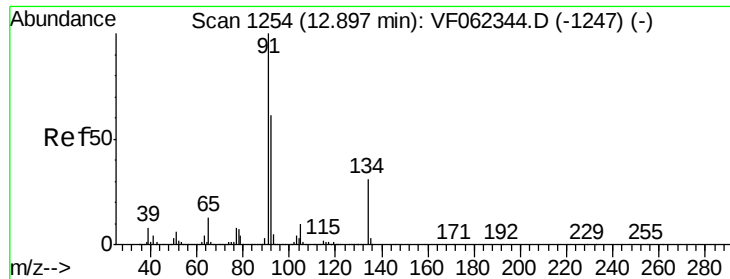


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 33.223 ug/l

RT: 12.88 min Scan# 1253

Delta R.T. -0.02 min

Lab File: VF062500.D

Acq: 12 May 2019 13:53

Instrument :

MSVOA_F

ClientSampleId :

P021-SS004-1824-01

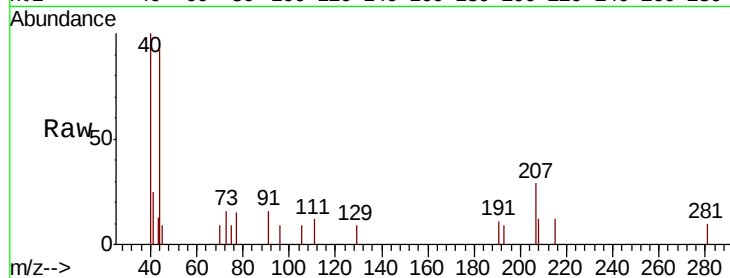
Tot Ion: 91 Resp: 115

Ion Ratio Lower Upper

91 100

92 0.0 30.0 90.0#

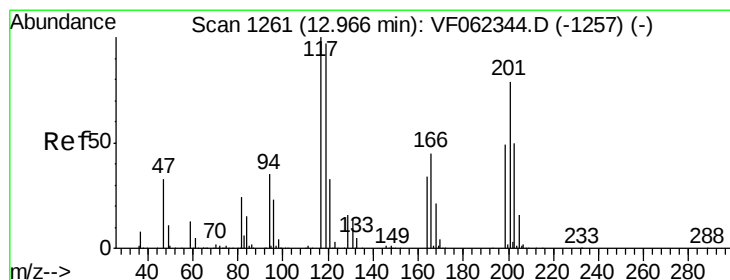
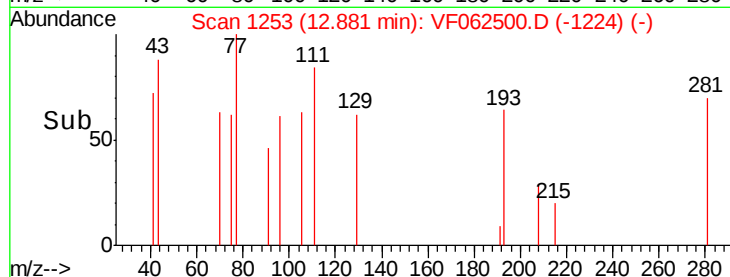
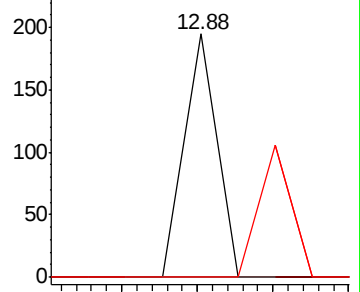
134 54.8 14.1 42.4#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 87.499 ug/l

RT: 12.96 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VF062500.D

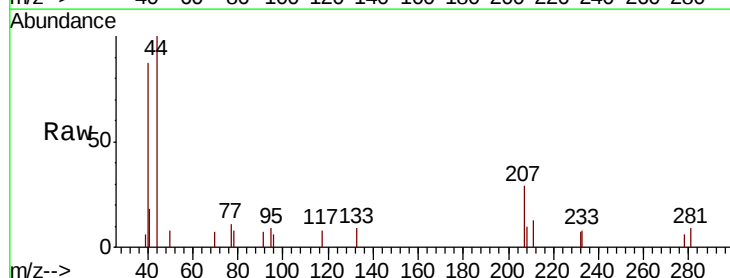
Acq: 12 May 2019 13:53

Tgt Ion: 117 Resp: 85

Ion Ratio Lower Upper

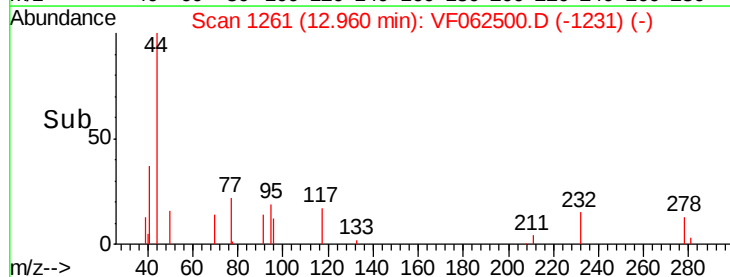
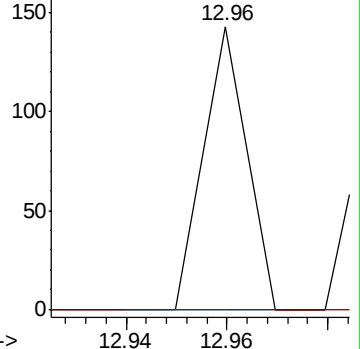
117 100

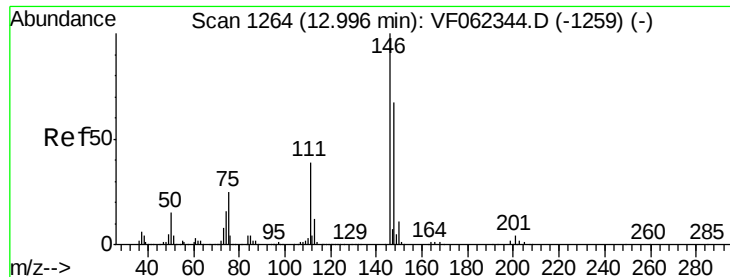
201 0.0 46.2 138.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

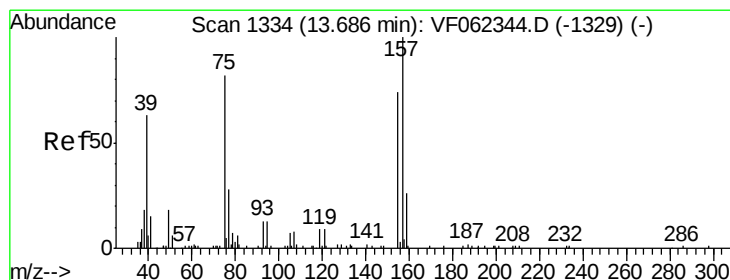
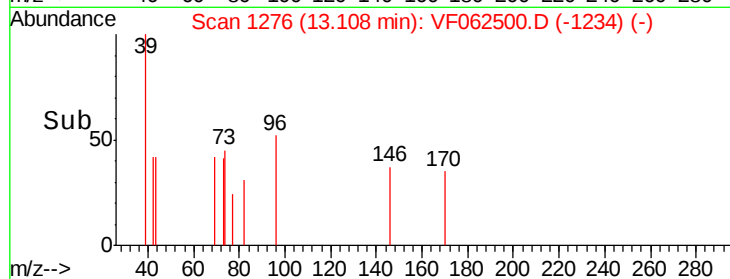
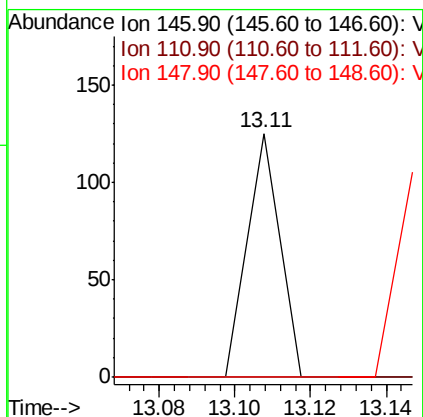
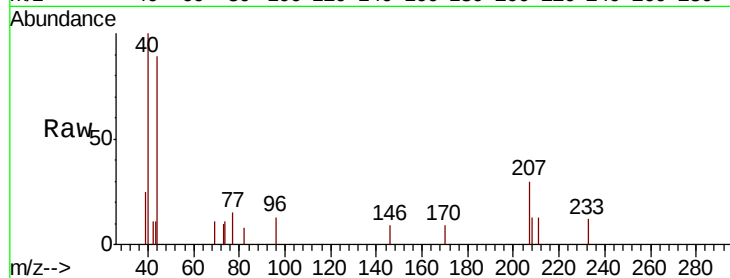




#91
 1,2-Dichlorobenzene
 Concen: 42.707 ug/l
 RT: 13.11 min Scan# 1276
 Delta R.T. 0.11 min
 Lab File: VF062500.D
 Acq: 12 May 2019 13:53

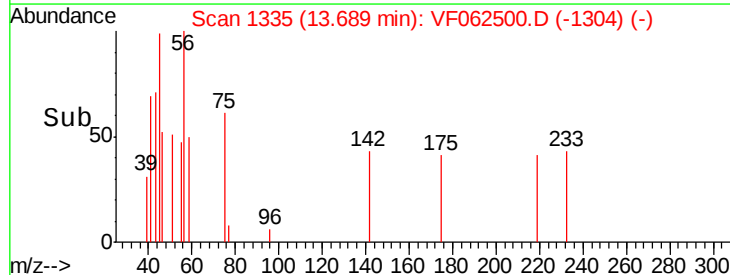
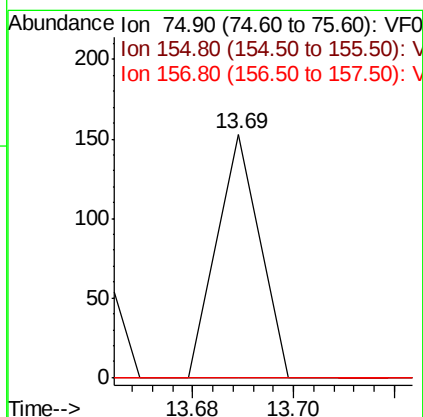
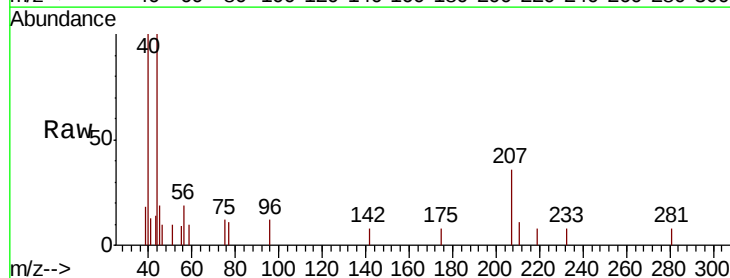
Instrument :
 MSVOA_F
 ClientSampleId :
 P021-SS004-1824-01

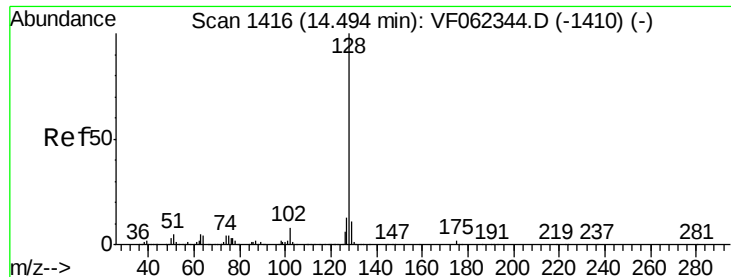
Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.0	60.0#
148	0.0	33.1	99.5#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 694.598 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VF062500.D
 Acq: 12 May 2019 13:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	0.0	51.8	155.4#
157	0.0	67.3	201.8#





#95

Naphthalene

Concen: 26.962 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VF062500.D

Acq: 12 May 2019 13:53

Instrument :

MSVOA_F

ClientSampleId :

P021-SS004-1824-01

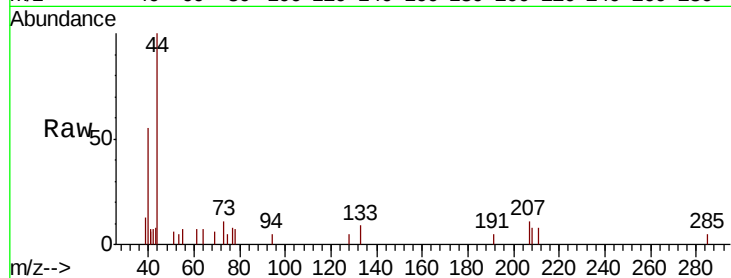
Tot Ion:128 Resp: 63

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 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

