

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051319\
 Data File : VF062571.D
 Acq On : 14 May 2019 6:22
 Operator : FY/SY
 Sample : K2756-19MSD
 Misc : 5.54g/5mL/MSVOA F/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P021-SS008-0206-01MSD

Quant Time: May 14 07:08:38 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	5.09	168	2485	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	5.81	114	610	50.00	ug/l	0.04
63) Chlorobenzene-d5	9.93	117	1319	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.63	152	1031	50.00	ug/l	0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.07	65	79	3.36	ug/l	0.05
Spiked Amount	50.000		Recovery	=	6.72%	
35) Dibromofluoromethane	4.34	113	59	12.14	ug/l	0.04
Spiked Amount	50.000		Recovery	=	24.28%	
50) Toluene-d8	7.73	98	1011	85.94	ug/l	0.03
Spiked Amount	50.000		Recovery	=	171.88%	
62) 4-Bromofluorobenzene	11.52	95	765	144.14	ug/l	0.03
Spiked Amount	50.000		Recovery	=	288.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.01	85	415	14.430	ug/l #	41
3) Chloromethane	1.17	50	626	33.003	ug/l #	57
4) Vinyl Chloride	1.20	62	118	6.237	ug/l #	51
5) Bromomethane	1.41	94	719	50.384	ug/l #	73
6) Chloroethane	1.44	64	98	10.303	ug/l #	4
7) Trichlorofluoromethane	1.58	101	119	3.031	ug/l #	20
8) Diethyl Ether	1.71	74	204	34.346	ug/l #	1
9) 1,1,2-Trichlorotrifluoroet	1.84	101	196	8.746	ug/l #	39
10) Methyl Iodide	1.99	142	81	2.193	ug/l #	16
11) Tert butyl alcohol	2.70	59	1178	887.539	ug/l #	1
12) 1,1-Dichloroethene	1.87	96	173	9.080	ug/l #	36
13) Acrolein	2.12	56	1231	1615.810	ug/l	90
14) Allyl chloride	2.21	41	862	51.218	ug/l #	13
15) Acrylonitrile	3.10	53	378	150.347	ug/l #	74
16) Acetone	2.36	43	3365	708.317	ug/l #	67
17) Carbon Disulfide	1.94	76	147	3.539	ug/l #	1
18) Methyl Acetate	2.50	43	1550	187.521	ug/l #	58
19) Methyl tert-butyl Ether	2.57	73	681	17.316	ug/l #	61
20) Methylene Chloride	2.33	84	1665	96.870	ug/l #	50
21) trans-1,2-Dichloroethene	2.45	96	659	36.304	ug/l #	1
22) Diisopropyl ether	2.94	45	847	16.103	ug/l #	39
23) Vinyl Acetate	3.35	43	1582	67.481	ug/l #	79
24) 1,1-Dichloroethane	3.04	63	537	16.892	ug/l #	86
25) 2-Butanone	4.56	43	1312	219.823	ug/l #	60
26) 2,2-Dichloropropane	3.80	77	429	24.164	ug/l	91
27) cis-1,2-Dichloroethene	3.70	96	271	11.943	ug/l #	10
28) Bromochloromethane	3.88	49	64	4.439	ug/l #	1
29) Tetrahydrofuran	4.30	42	839	305.862	ug/l #	57
30) Chloroform	4.08	83	351	8.172	ug/l #	19
31) Cyclohexane	3.89	56	501	19.744	ug/l #	16
32) 1,1,1-Trichloroethane	4.31	97	406	11.030	ug/l #	40
36) 1,1-Dichloropropene	4.47	75	95	18.129	ug/l #	1
37) Ethyl Acetate	4.33	43	647	348.533	ug/l #	73
38) Carbon Tetrachloride	4.26	117	70	10.694	ug/l #	84

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.67	83	60	11.417	ug/l #	59
40) Benzene	4.85	78	233	20.192	ug/l #	4
41) Methacrylonitrile	4.96	41	568	452.057	ug/l #	1
42) 1,2-Dichloroethane	5.14	62	151	31.289	ug/l #	82
43) Isopropyl Acetate	7.14	43	834	349.910	ug/l #	47
44) Trichloroethene	5.44	130	115	27.130	ug/l #	79
45) 1,2-Dichloropropane	6.44	63	64	24.487	ug/l #	43
46) Dibromomethane	6.41	93	61	28.149	ug/l #	27
47) Bromodichloromethane	6.62	83	67	12.366	ug/l #	27
48) Methyl methacrylate	6.93	41	561	333.062	ug/l #	50
49) 1,4-Dioxane	6.78	88	75	4373.483	ug/l #	1
51) 4-Methyl-2-Pentanone	8.42	43	1105	611.830	ug/l #	79
52) Toluene	7.80	92	115	16.155	ug/l #	1
53) t-1,3-Dichloropropene	8.52	75	72	17.571	ug/l #	1
54) cis-1,3-Dichloropropene	7.44	75	244	51.163	ug/l #	22
55) 1,1,2-Trichloroethane	8.65	97	88	38.942	ug/l #	14
56) Ethyl methacrylate	8.79	69	87	36.471	ug/l #	1
57) 1,3-Dichloropropane	9.01	76	89	26.073	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.41	63	77	107.367	ug/l #	1
59) 2-Hexanone	9.65	43	1062	850.231	ug/l #	72
60) Dibromochloromethane	8.93	129	71	19.210	ug/l #	11
61) 1,2-Dibromoethane	9.42	107	77	28.991	ug/l #	89
64) Tetrachloroethene	8.42	164	66	6.164	ug/l #	1
65) Chlorobenzene	9.91	112	62	2.841	ug/l #	43
66) 1,1,1,2-Tetrachloroethane	9.90	131	72	6.540	ug/l #	1
67) Ethyl Benzene	10.06	91	9331	244.170	ug/l #	97
68) m/p-Xylenes	10.27	106	506	35.887	ug/l #	97
69) o-Xylene	10.83	106	98	6.432	ug/l #	1
70) Styrene	10.92	104	4070	178.239	ug/l #	98
73) Isopropylbenzene	11.23	105	2380	38.939	ug/l #	94
74) N-amyl acetate	11.45	43	243	18.519	ug/l #	24
75) 1,1,2,2-Tetrachloroethane	11.78	83	64	6.687	ug/l #	1
76) 1,2,3-Trichloropropane	11.87	75	71	9.724	ug/l #	100
77) Bromobenzene	11.61	156	82	5.112	ug/l #	1
78) n-propylbenzene	11.68	91	1765	27.123	ug/l #	84
79) 2-Chlorotoluene	11.76	91	143	3.534	ug/l #	83
80) 1,3,5-Trimethylbenzene	11.80	105	811	15.138	ug/l #	72
81) trans-1,4-Dichloro-2-buten	12.02	75	85	30.971	ug/l #	87
82) 4-Chlorotoluene	11.76	91	143	3.578	ug/l #	83
83) tert-Butylbenzene	12.21	119	381	6.767	ug/l #	31
84) 1,2,4-Trimethylbenzene	12.28	105	380	7.248	ug/l #	56
85) sec-Butylbenzene	12.38	105	1396	20.371	ug/l #	96
86) p-Isopropyltoluene	12.53	119	1235	19.397	ug/l #	73
87) 1,3-Dichlorobenzene	12.54	146	141	4.813	ug/l #	37
88) 1,4-Dichlorobenzene	12.63	146	203	7.179	ug/l #	65
89) n-Butylbenzene	12.91	91	433	7.644	ug/l #	56
90) Hexachloroethane	12.98	117	76	4.781	ug/l #	82
91) 1,2-Dichlorobenzene	13.01	146	138	4.867	ug/l #	43
92) 1,2-Dibromo-3-Chloropropan	13.70	75	60	27.985	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.25	180	385	15.137	ug/l #	58

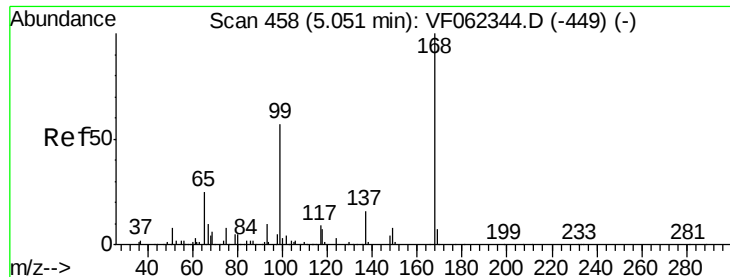
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051319\
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Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.13	225	69	3.640	ug/l #	18
95) Naphthalene	14.51	128	1387	36.272	ug/l #	80
96) 1,2,3-Trichlorobenzene	14.65	180	348	14.123	ug/l #	62

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.09 min Scan# 462

Delta R.T. 0.04 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

Instrument :

MSVOA_F

ClientSampleId :

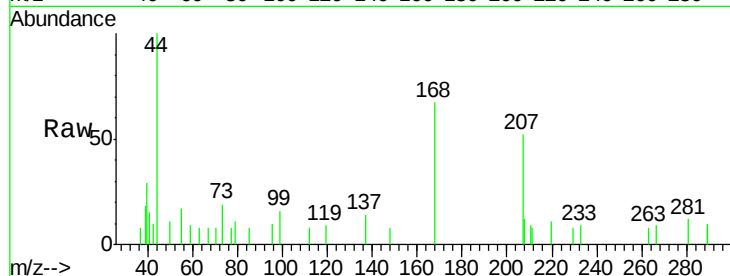
P021-SS008-0206-01MSD

Tot Ion:168 Resp: 2485

Ion Ratio Lower Upper

168 100

99 24.1 45.9 68.9#



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.09

800

600

400

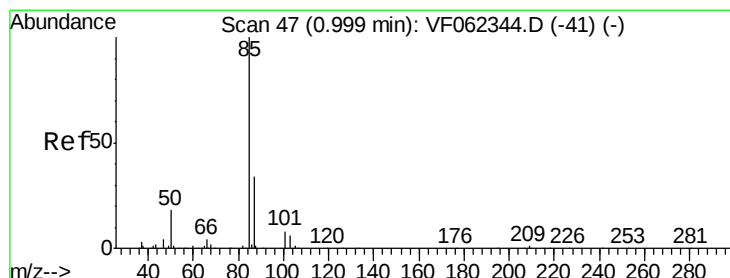
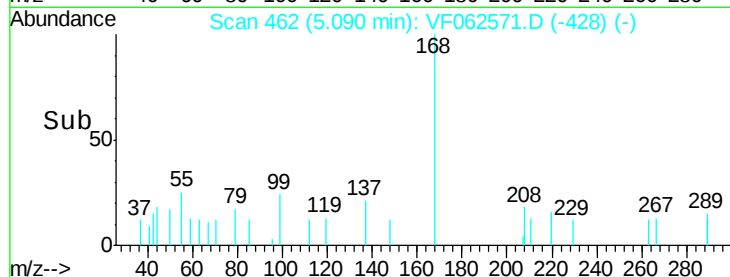
200

0

Time-->

5.00

5.10



#2

Dichlorodifluoromethane

Concen: 14.430 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF062571.D

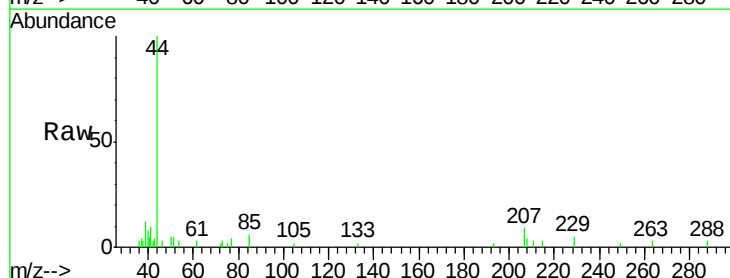
Acq: 14 May 2019 6:22

Tgt Ion: 85 Resp: 415

Ion Ratio Lower Upper

85 100

87 0.0 16.8 50.4#



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.01

300

250

200

150

100

50

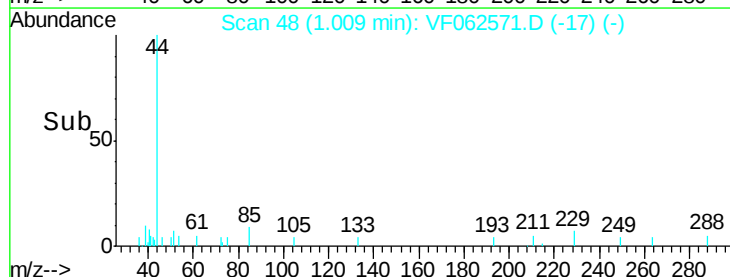
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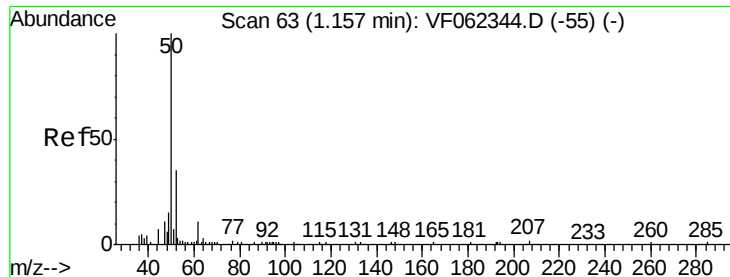
Time-->

0.95

1.00

1.05





#3

Chloromethane

Concen: 33.003 ug/l

RT: 1.17 min Scan# 64

Delta R.T. 0.01 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

Instrument :

MSVOA_F

ClientSampleId :

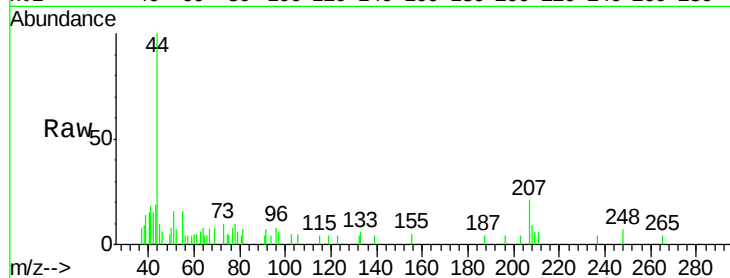
P021-SS008-0206-01MSD

Tot Ion: 50 Resp: 626

Ion Ratio Lower Upper

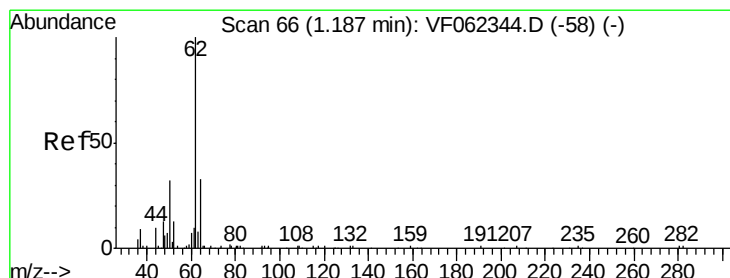
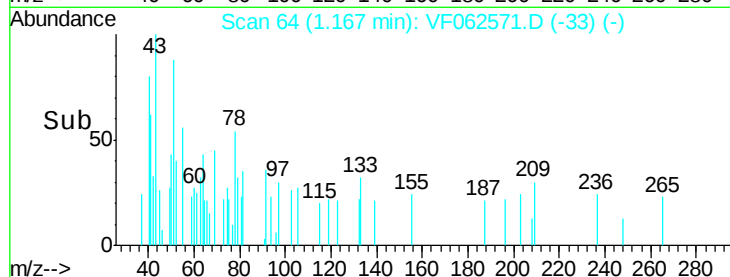
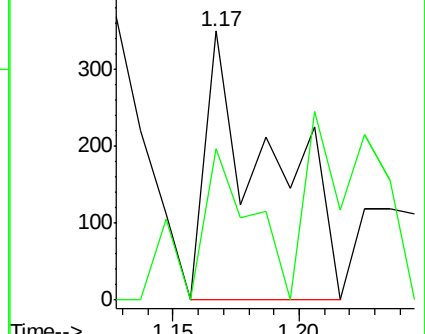
50 100

52 56.6 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: 6.237 ug/l

RT: 1.20 min Scan# 67

Delta R.T. 0.01 min

Lab File: VF062571.D

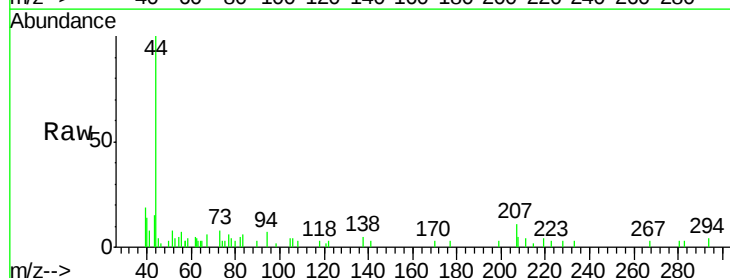
Acq: 14 May 2019 6:22

Tgt Ion: 62 Resp: 118

Ion Ratio Lower Upper

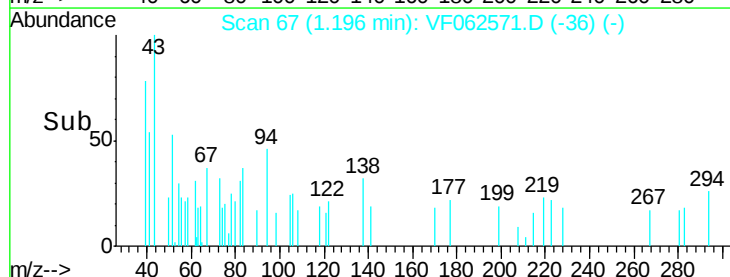
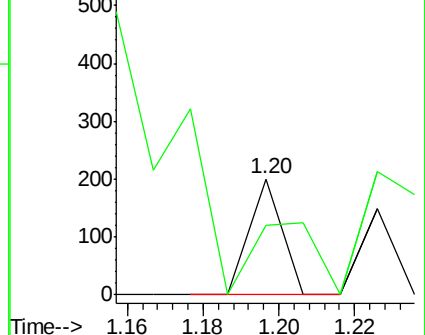
62 100

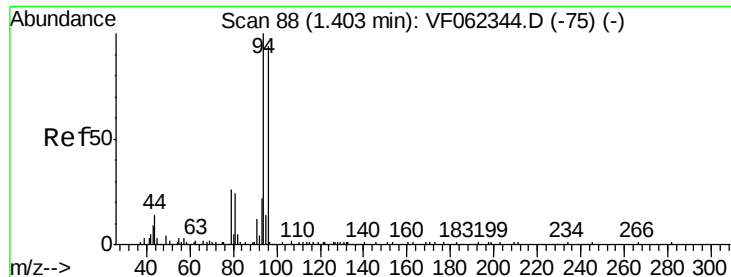
64 60.0 26.1 39.1#



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 63.90 (63.60 to 64.60): VF0





#5

Bromomethane

Concen: 50.384 ug/l

RT: 1.41 min Scan# 89

Delta R.T. 0.01 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

Instrument :

MSVOA_F

ClientSampleId :

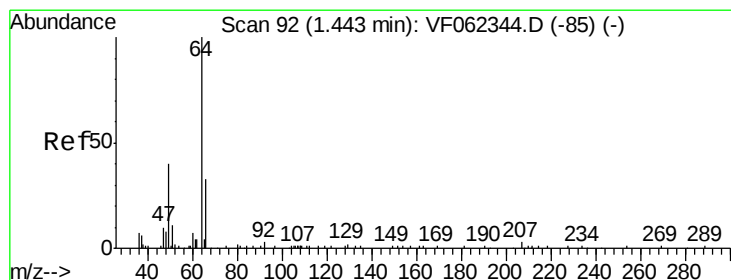
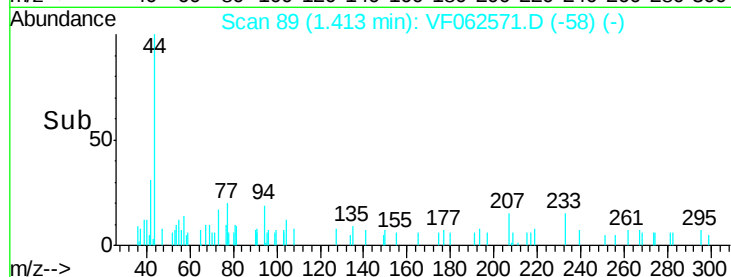
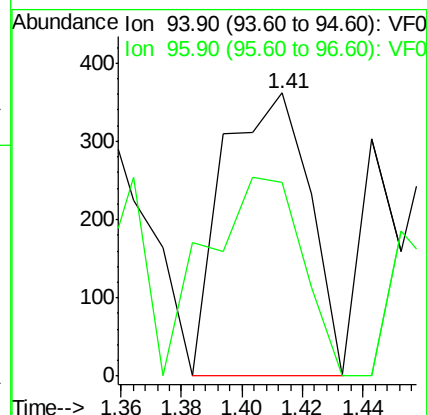
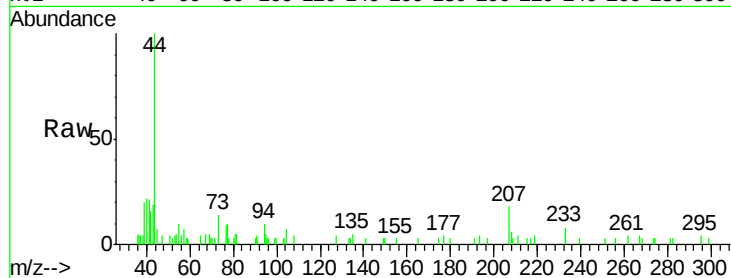
P021-SS008-0206-01MSD

Tot Ion: 94 Resp: 719

Ion Ratio Lower Upper

94 100

96 68.5 75.4 113.2#



#6

Chloroethane

Concen: 10.303 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.00 min

Lab File: VF062571.D

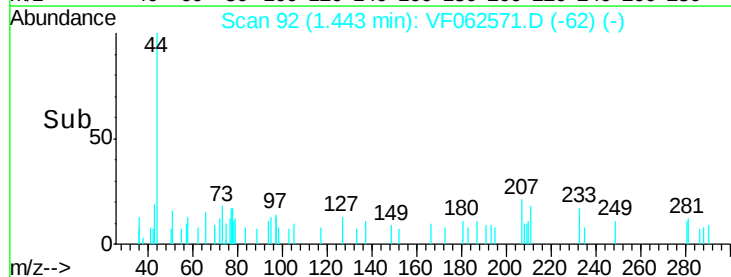
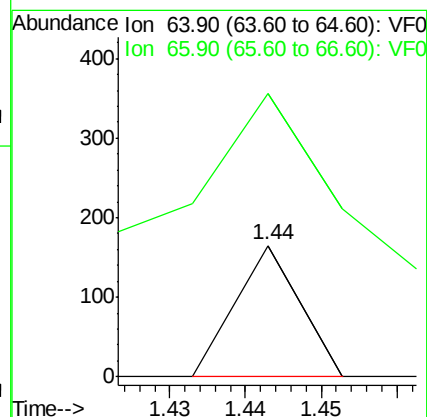
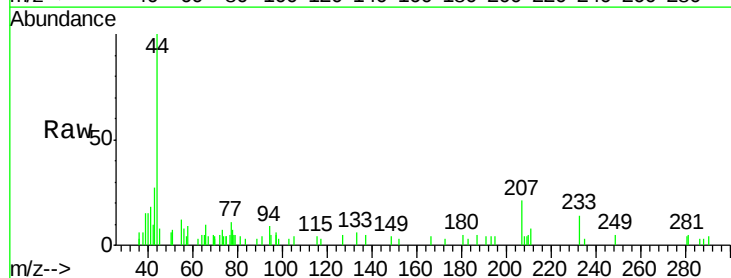
Acq: 14 May 2019 6:22

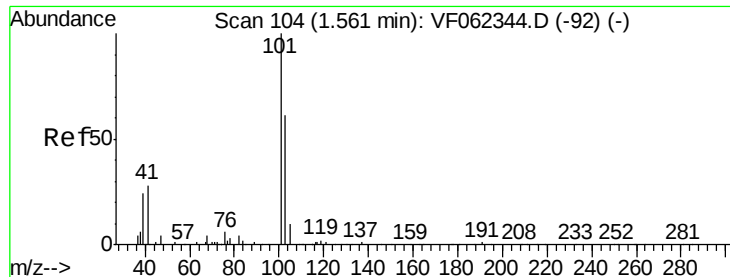
Tgt Ion: 64 Resp: 98

Ion Ratio Lower Upper

64 100

66 87.9 26.6 39.8#



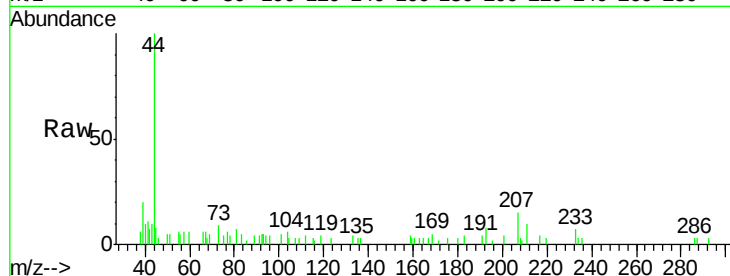


#7

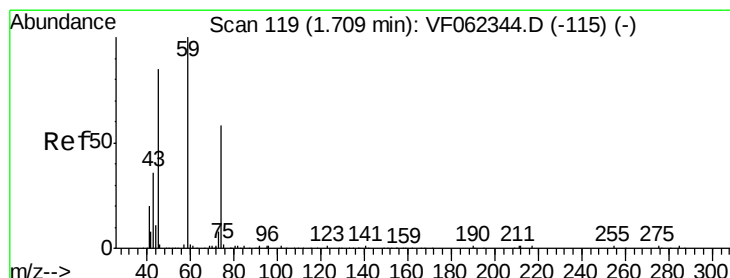
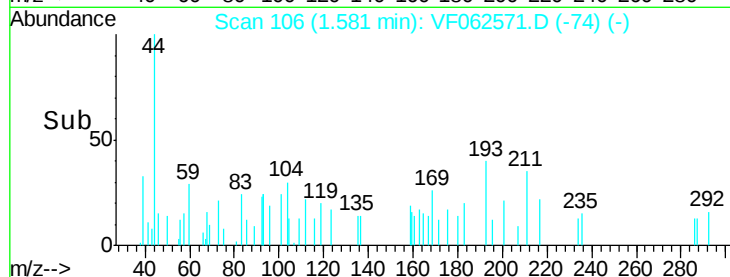
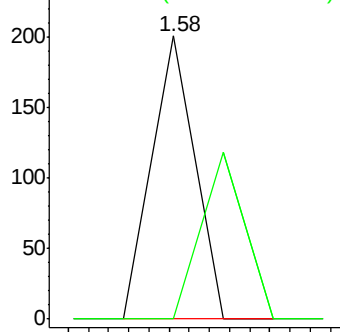
Trichlorofluoromethane
Concen: 3.031 ug/l
RT: 1.58 min Scan# 106
Delta R.T. 0.02 min
Lab File: VF062571.D
Acq: 14 May 2019 6:22

Instrument :
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ClientSampleId :
P021-SS008-0206-01MSD

Tot Ion:101 Resp: 119
Ion Ratio Lower Upper
101 100
103 0.0 48.5 72.7#



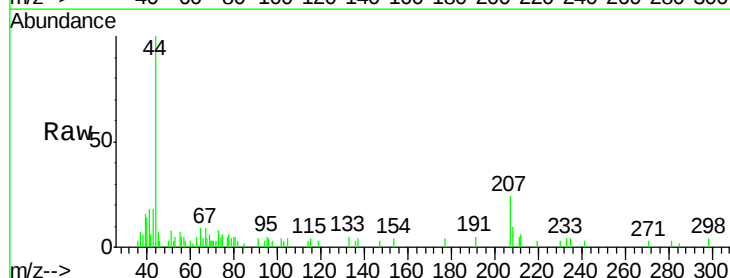
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



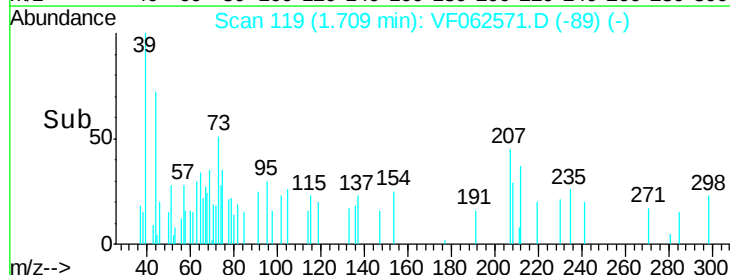
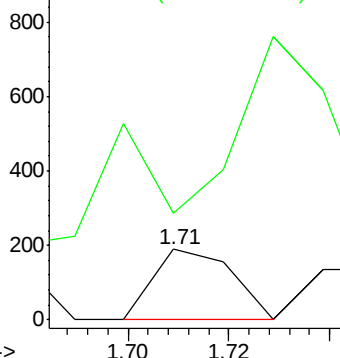
#8

Diethyl Ether
Concen: 34.346 ug/l
RT: 1.71 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF062571.D
Acq: 14 May 2019 6:22

Tgt Ion: 74 Resp: 204
Ion Ratio Lower Upper
74 100
45 548.0 73.9 221.6#



Abundance Ion 74.00 (73.70 to 74.70): VF0
Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 8.746 ug/l

RT: 1.84 min Scan# 132

Delta R.T. -0.08 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

Instrument :

MSVOA_F

ClientSampleId :

P021-SS008-0206-01MSD

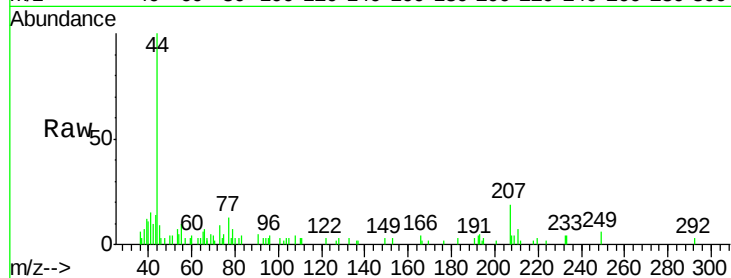
Tot Ion:101 Resp: 196

Ion Ratio Lower Upper

101 100

85 36.2 39.5 59.3#

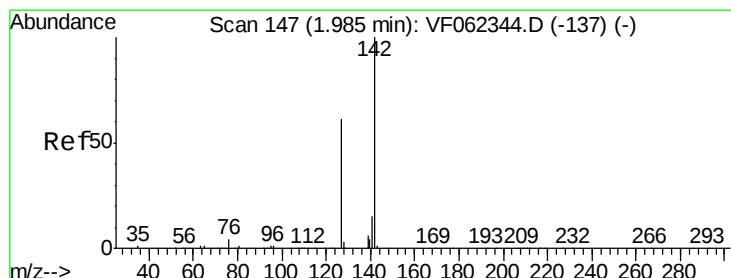
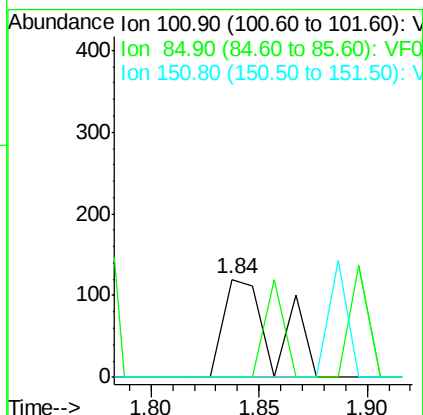
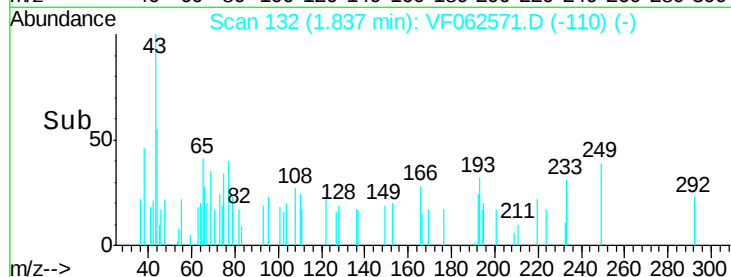
151 0.0 59.9 89.9#



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



#10

Methyl Iodide

Concen: 2.193 ug/l

RT: 1.99 min Scan# 147

Delta R.T. 0.00 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

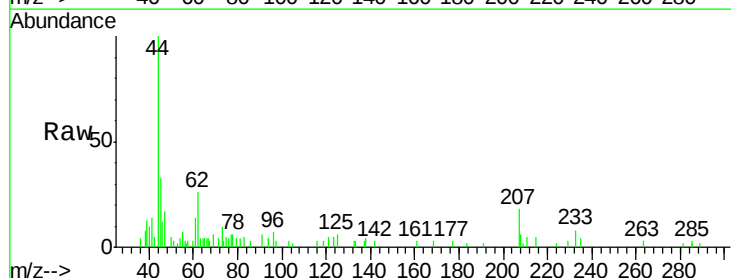
Tgt Ion:142 Resp: 81

Ion Ratio Lower Upper

142 100

127 102.5 48.4 72.6#

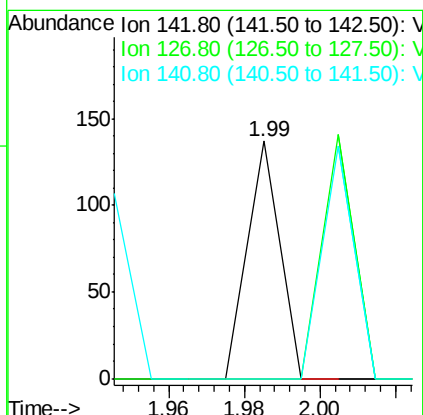
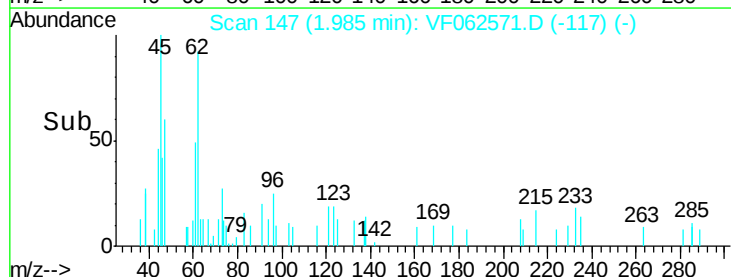
141 97.5 12.2 18.4#

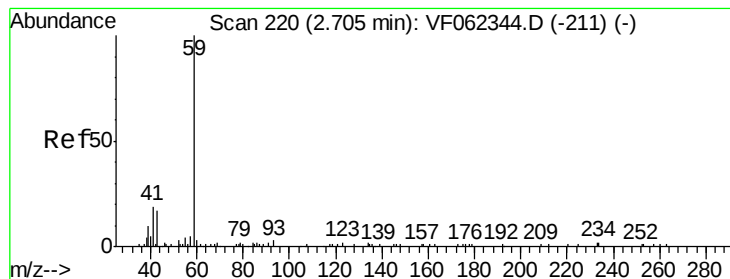


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



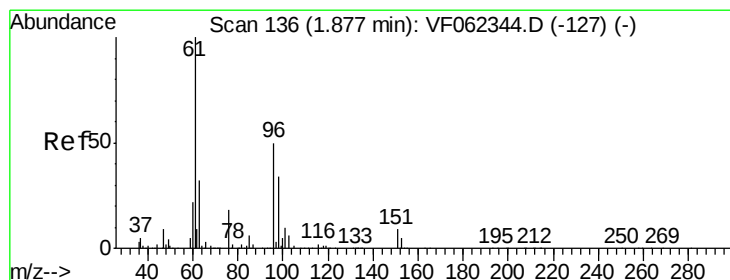
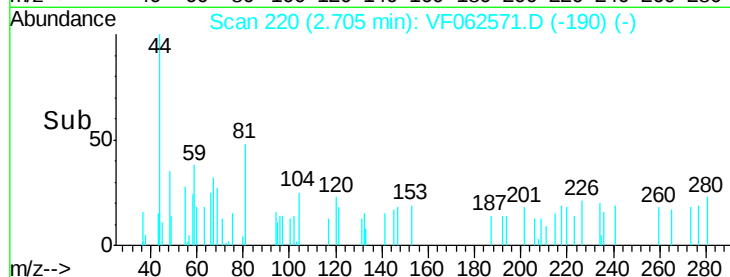
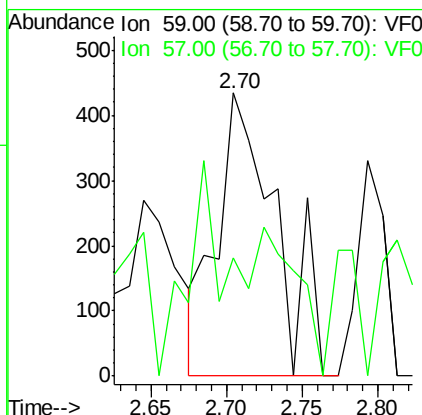
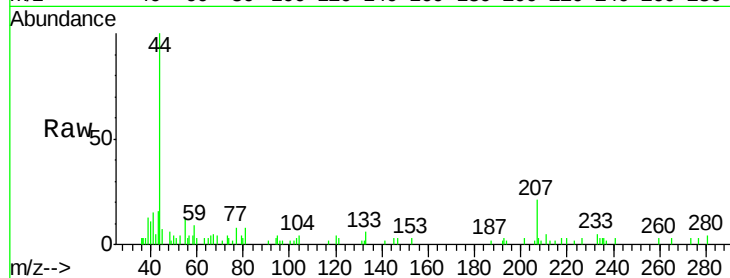


#11

Tert butyl alcohol
Concen: 887.539 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.00 min
Lab File: VF062571.D
Acq: 14 May 2019 6:22

Instrument :
MSVOA_F
ClientSampleId :
P021-SS008-0206-01MSD

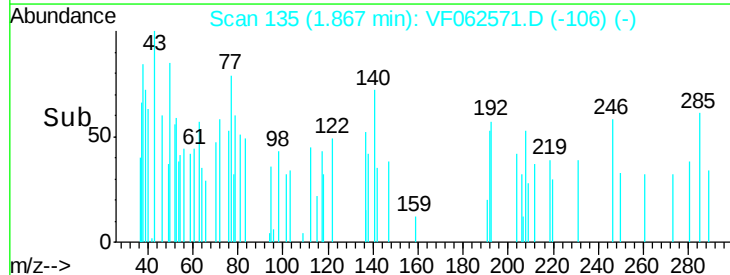
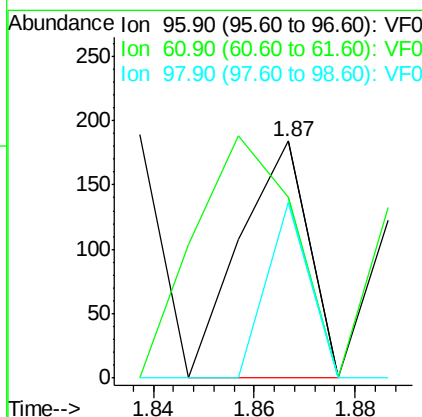
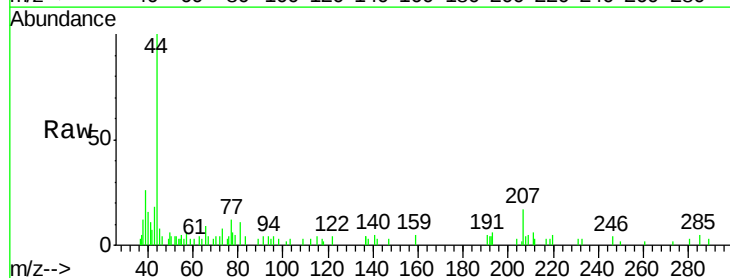
Tot Ion: 59 Resp: 1178
Ion Ratio Lower Upper
59 100
57 51.0 9.3 13.9#

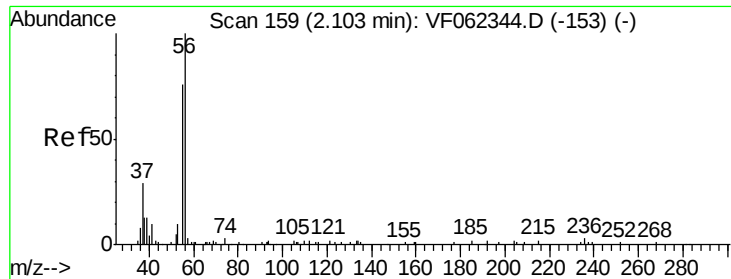


#12

1,1-Dichloroethene
Concen: 9.080 ug/l
RT: 1.87 min Scan# 135
Delta R.T. -0.01 min
Lab File: VF062571.D
Acq: 14 May 2019 6:22

Tgt Ion: 96 Resp: 173
Ion Ratio Lower Upper
96 100
61 76.1 163.2 244.8#
98 74.5 55.2 82.8

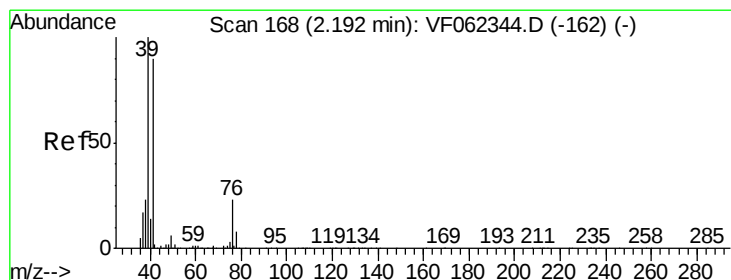
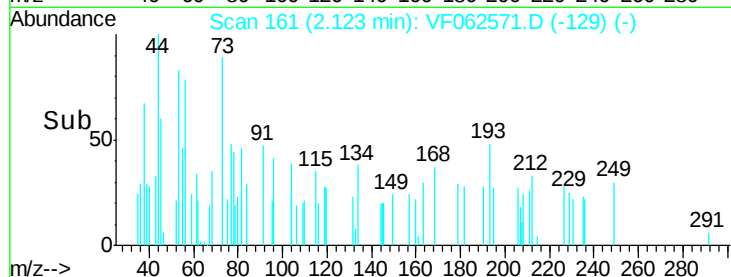
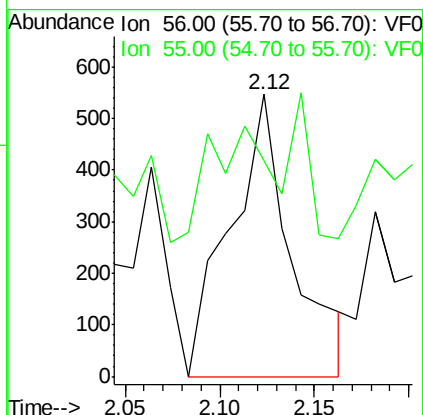
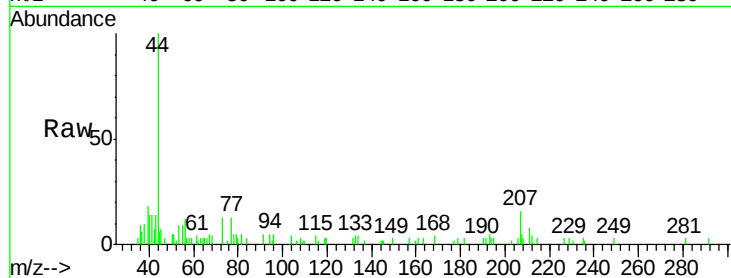




#13
Acrolein
Concen: 1615.810 ug/l
RT: 2.12 min Scan# 161
Delta R.T. 0.02 min
Lab File: VF062571.D
Acq: 14 May 2019 6:22

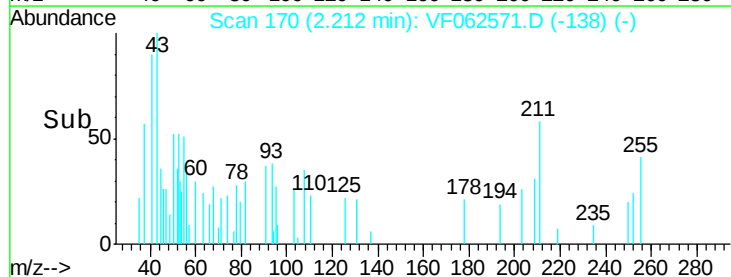
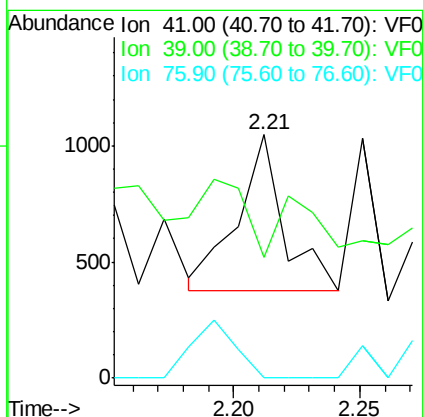
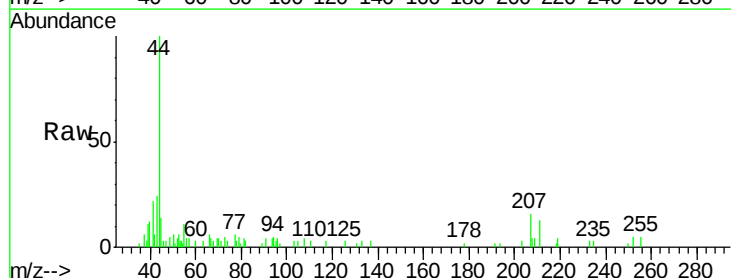
Instrument :
MSVOA_F
ClientSampleId :
P021-SS008-0206-01MSD

Tot Ion: 56 Resp: 1231
Ion Ratio Lower Upper
56 100
55 64.5 58.4 87.6



#14
Allyl chloride
Concen: 51.218 ug/l
RT: 2.21 min Scan# 170
Delta R.T. 0.02 min
Lab File: VF062571.D
Acq: 14 May 2019 6:22

Tgt Ion: 41 Resp: 862
Ion Ratio Lower Upper
41 100
39 0.0 90.8 136.2#
76 34.7 22.2 33.4#





#15

Acrylonitrile

Concen: 150.347 ug/l

RT: 3.10 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

Instrument :

MSVOA_F

ClientSampleId :

P021-SS008-0206-01MSD

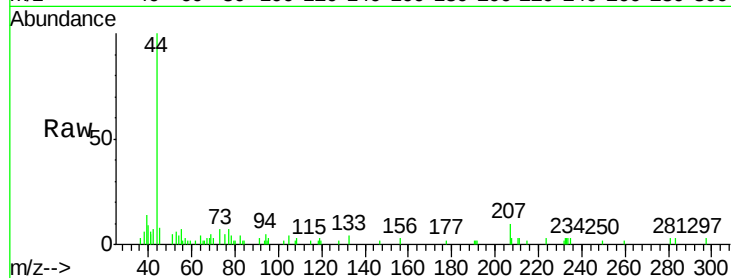
Tot Ion: 53 Resp: 378

Ion Ratio Lower Upper

53 100

52 97.6 77.2 115.8

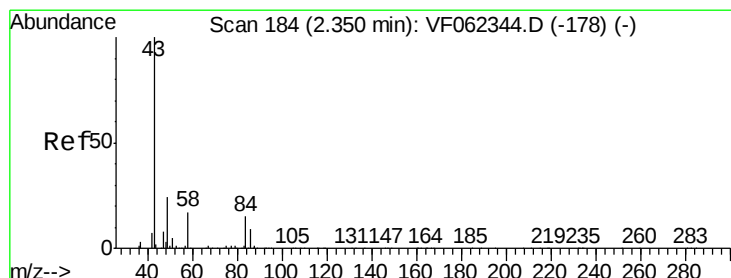
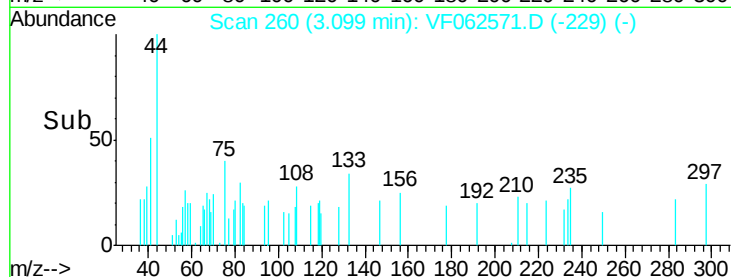
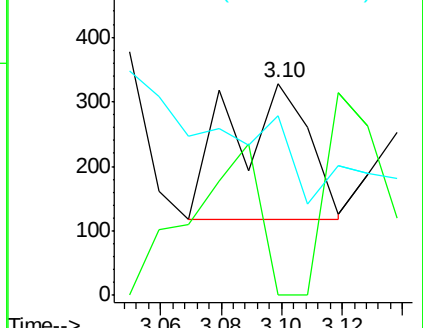
51 0.0 40.6 61.0#



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: 708.317 ug/l

RT: 2.36 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF062571.D

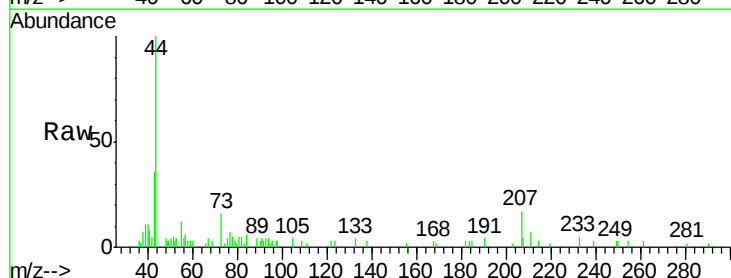
Acq: 14 May 2019 6:22

Tgt Ion: 43 Resp: 3365

Ion Ratio Lower Upper

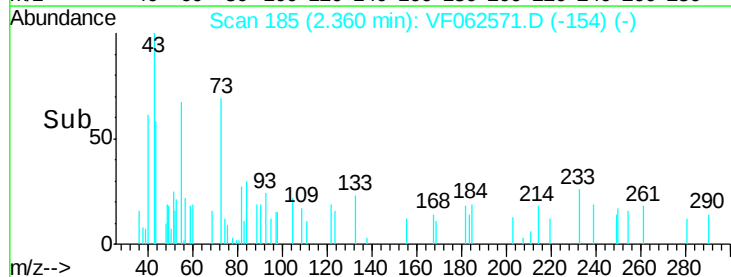
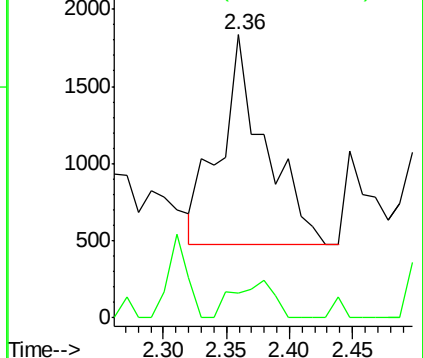
43 100

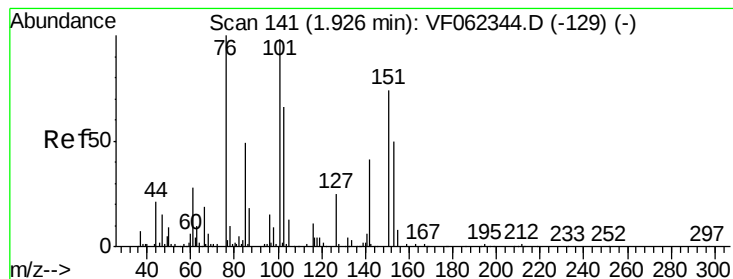
58 2.2 13.1 19.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 3.539 ug/l

RT: 1.94 min Scan# 142

Delta R.T. 0.01 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

Instrument :

MSVOA_F

ClientSampleId :

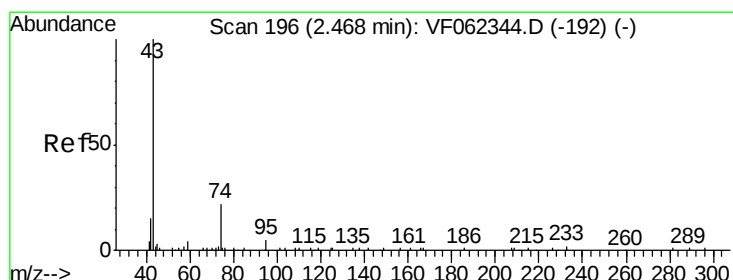
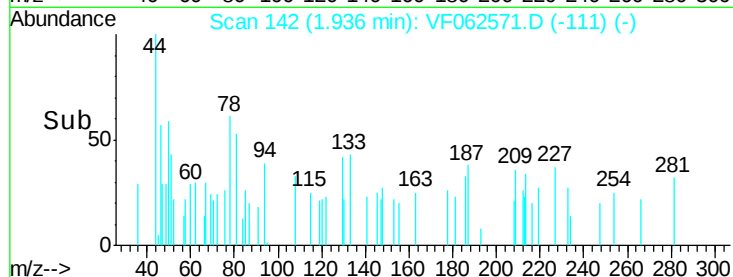
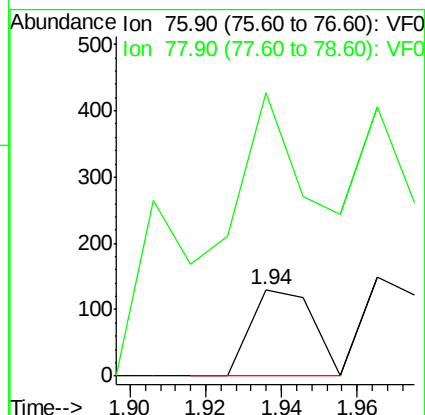
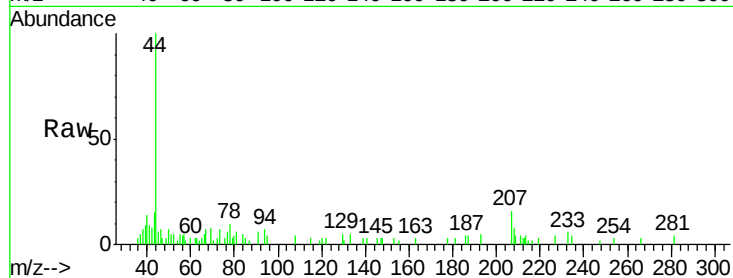
P021-SS008-0206-01MSD

Tot Ion: 76 Resp: 147

Ion Ratio Lower Upper

76 100

78 199.2 9.0 13.4#



#18

Methyl Acetate

Concen: 187.521 ug/l

RT: 2.50 min Scan# 199

Delta R.T. 0.03 min

Lab File: VF062571.D

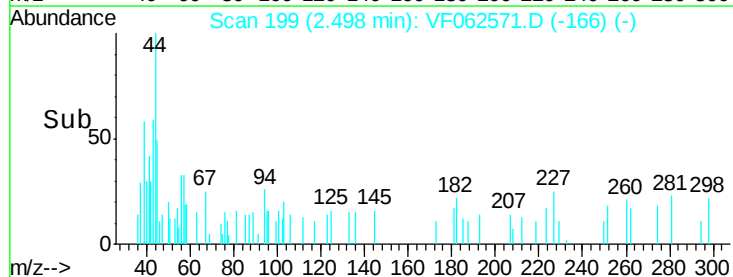
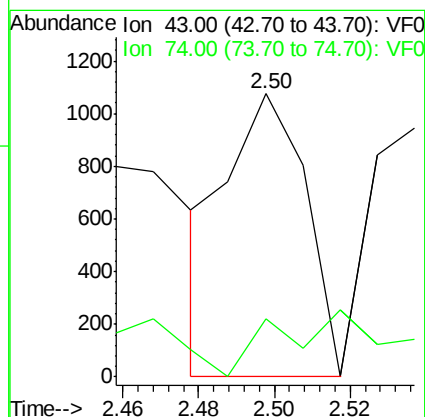
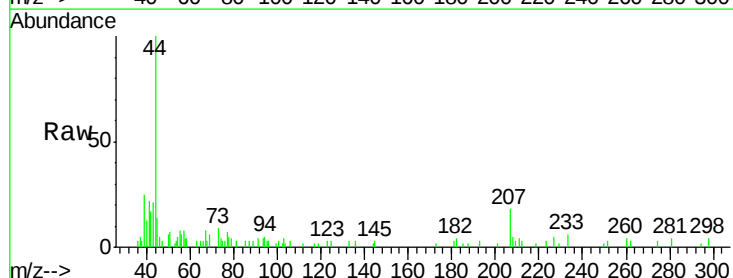
Acq: 14 May 2019 6:22

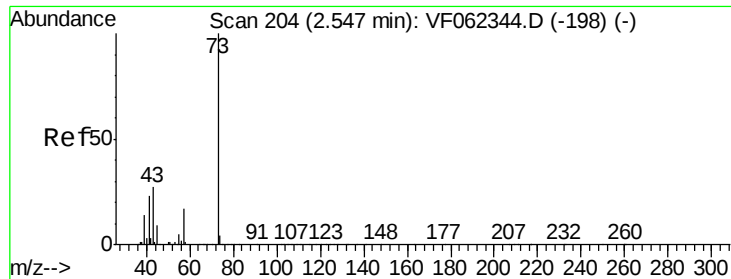
Tgt Ion: 43 Resp: 1550

Ion Ratio Lower Upper

43 100

74 0.0 15.0 22.4#



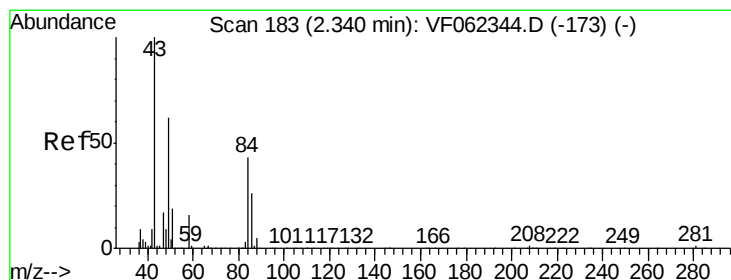
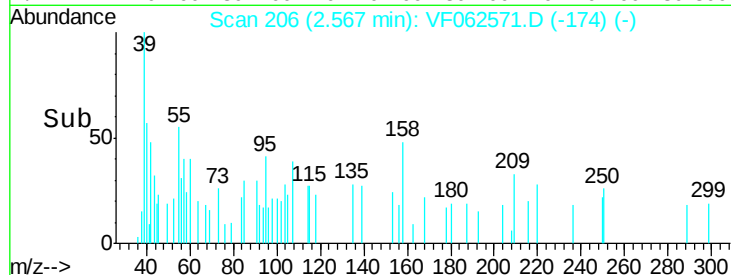
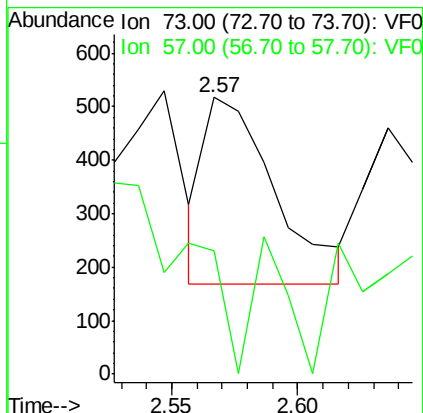
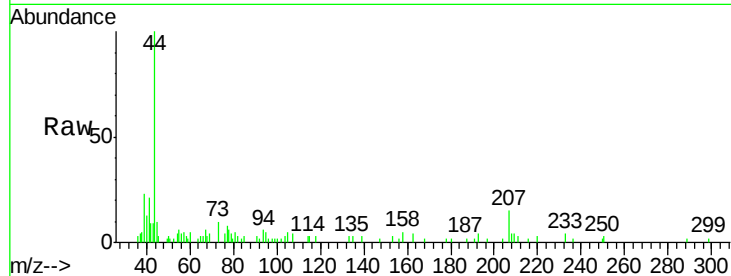


#19

Methyl tert-butyl Ether
 Concen: 17.316 ug/l
 RT: 2.57 min Scan# 206
 Delta R.T. 0.02 min
 Lab File: VF062571.D
 Acq: 14 May 2019 6:22

Instrument :
 MSVOA_F
 ClientSampleId :
 P021-SS008-0206-01MSD

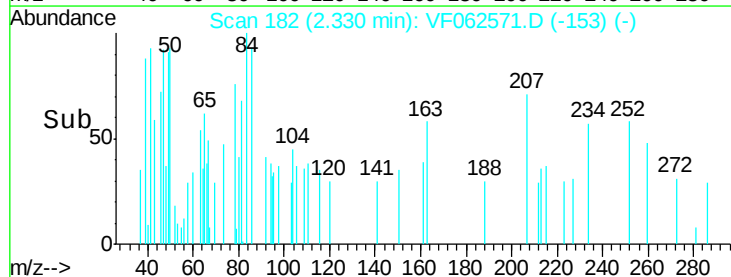
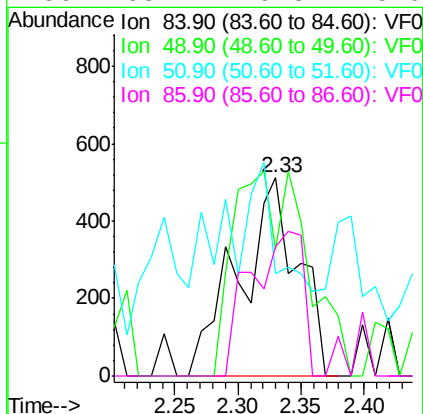
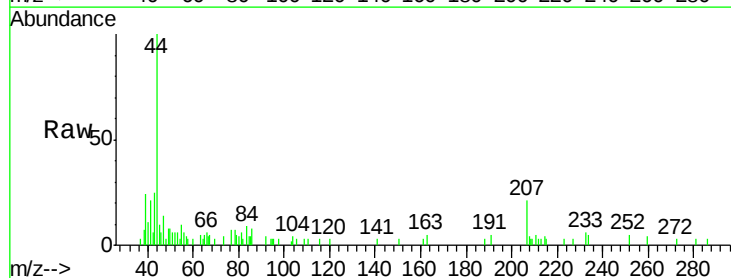
Tot Ion: 73 Resp: 681
 Ion Ratio Lower Upper
 73 100
 57 0.0 13.7 20.5#

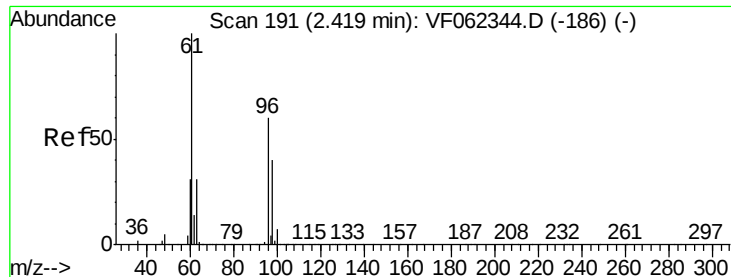


#20

Methylene Chloride
 Concen: 96.870 ug/l
 RT: 2.33 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VF062571.D
 Acq: 14 May 2019 6:22

Tgt Ion: 84 Resp: 1665
 Ion Ratio Lower Upper
 84 100
 49 64.0 117.5 176.3#
 51 6.8 37.0 55.4#
 86 65.4 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 36.304 ug/l

RT: 2.45 min Scan# 194

Delta R.T. 0.03 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

Instrument :

MSVOA_F

ClientSampleId :

P021-SS008-0206-01MSD

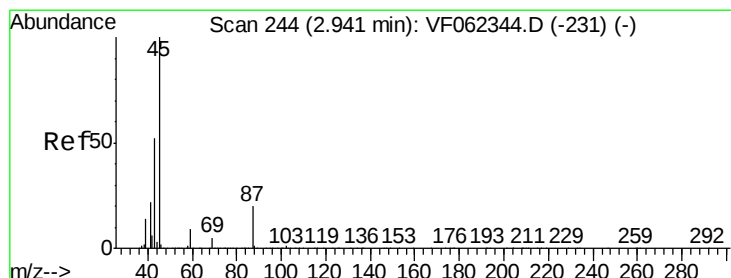
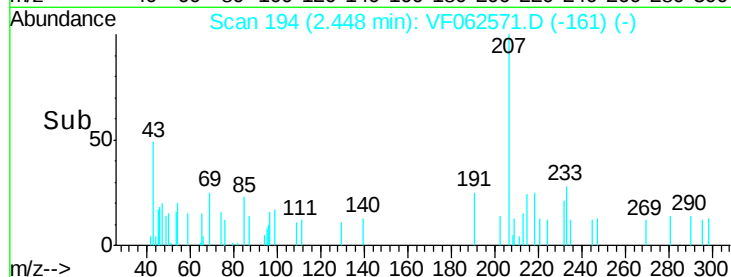
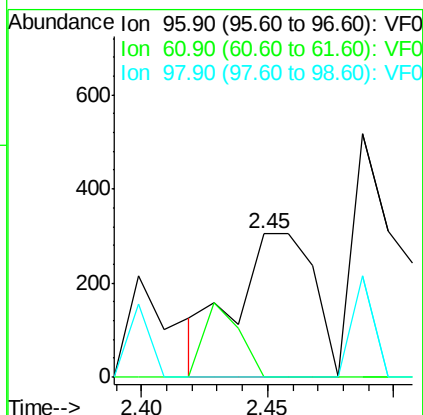
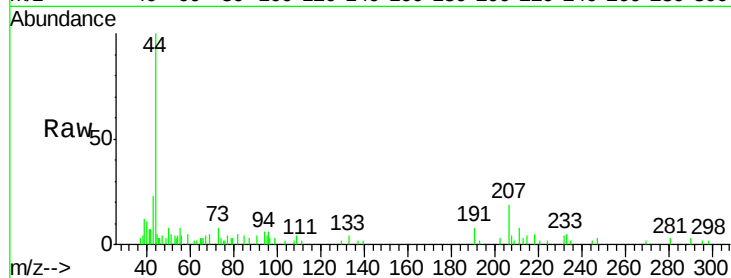
Tot Ion: 96 Resp: 659

Ion Ratio Lower Upper

96 100

61 0.0 133.2 199.8#

98 0.0 53.1 79.7#



#22

Diisopropyl ether

Concen: 16.103 ug/l

RT: 2.94 min Scan# 244

Delta R.T. 0.00 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

Tgt Ion: 45 Resp: 847

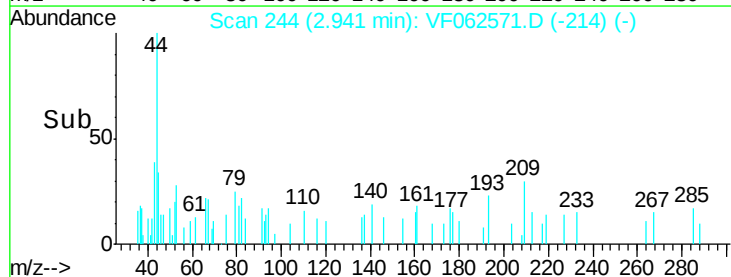
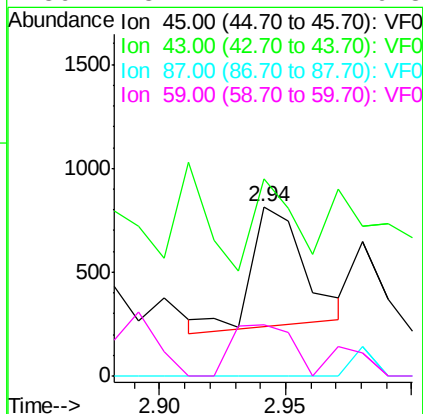
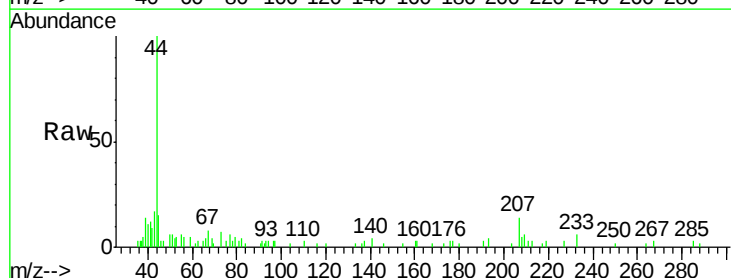
Ion Ratio Lower Upper

45 100

43 9.4 41.4 62.0#

87 0.0 15.8 23.6#

59 45.7 7.2 10.8#





#23

Vinyl Acetate

Concen: 67.481 ug/l

RT: 3.35 min Scan# 285

Delta R.T. 0.00 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

Instrument :

MSVOA_F

ClientSampleId :

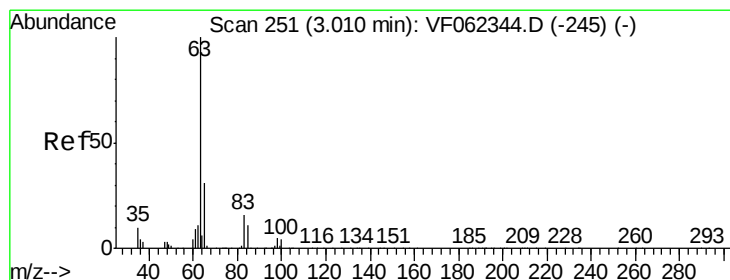
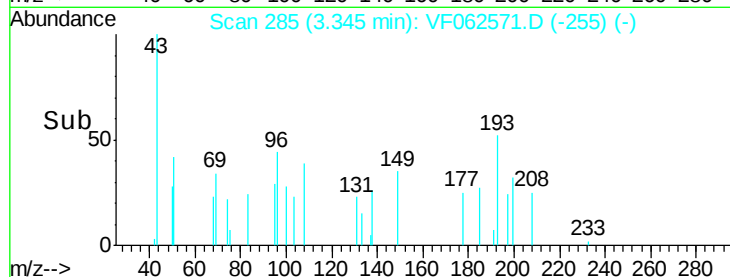
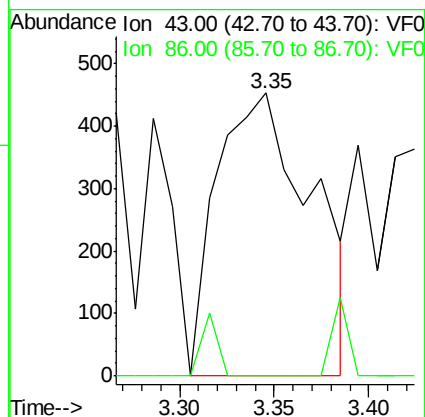
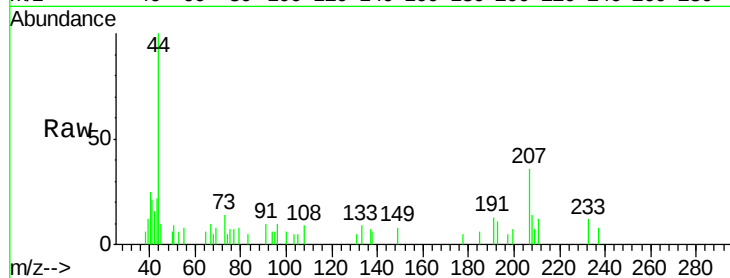
P021-SS008-0206-01MSD

Tot Ion: 43 Resp: 1582

Ion Ratio Lower Upper

43 100

86 0.0 5.7 8.5#



#24

1,1-Dichloroethane

Concen: 16.892 ug/l

RT: 3.04 min Scan# 254

Delta R.T. 0.03 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

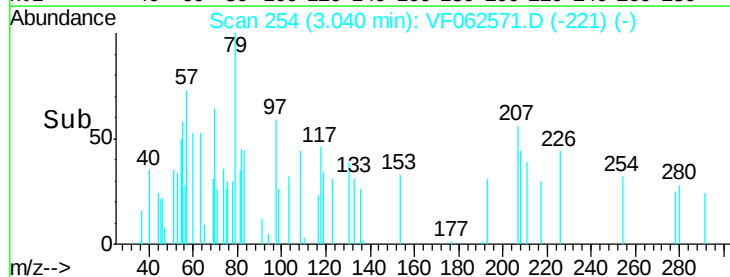
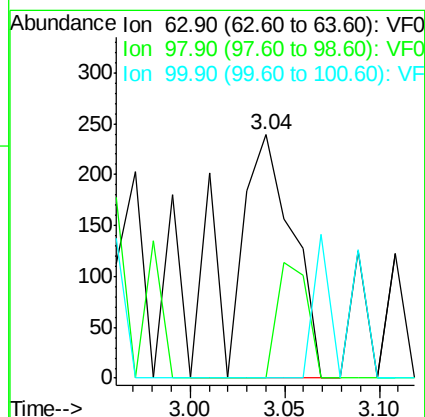
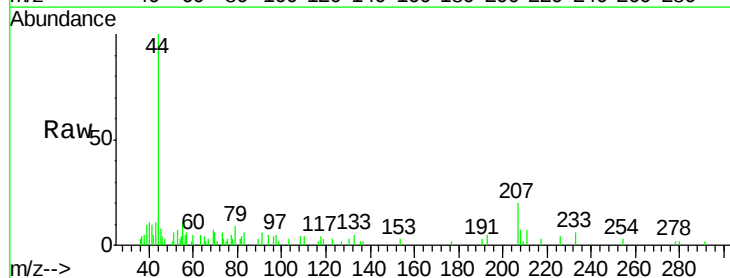
Tgt Ion: 63 Resp: 537

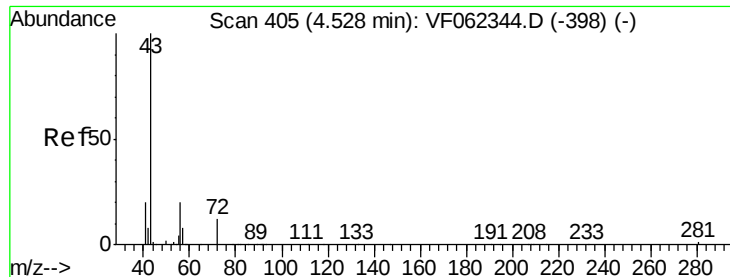
Ion Ratio Lower Upper

63 100

98 0.0 2.6 8.0#

100 0.0 1.8 5.4#





#25

2-Butanone

Concen: 219.823 ug/l

RT: 4.56 min Scan# 408

Delta R.T. 0.03 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

Instrument :

MSVOA_F

ClientSampleId :

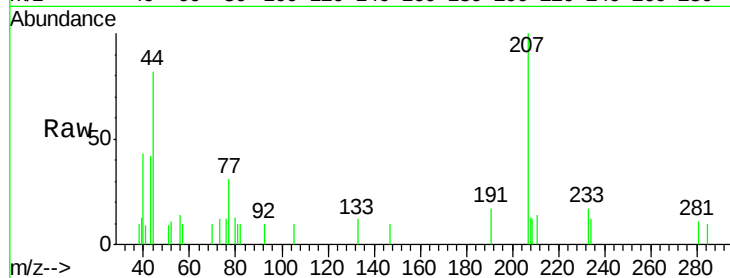
P021-SS008-0206-01MSD

Tot Ion: 43 Resp: 1312

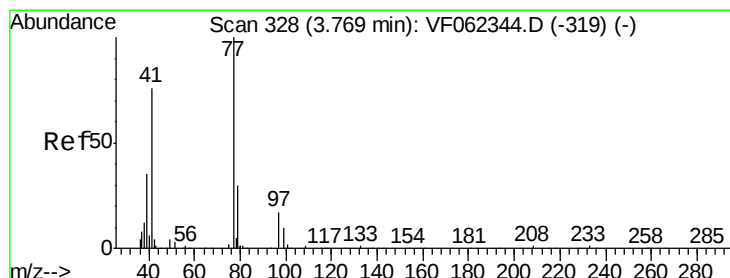
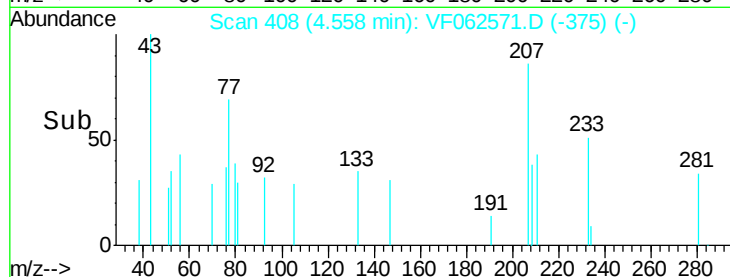
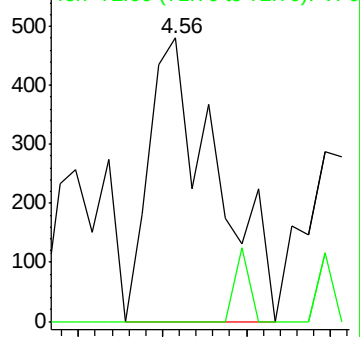
Ion Ratio Lower Upper

43 100

72 0.0 14.2 21.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0



#26

2,2-Dichloropropane

Concen: 24.164 ug/l

RT: 3.80 min Scan# 331

Delta R.T. 0.03 min

Lab File: VF062571.D

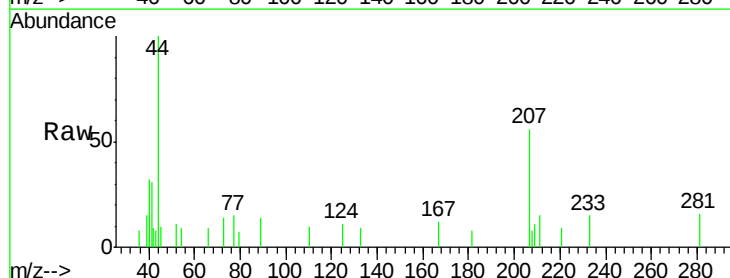
Acq: 14 May 2019 6:22

Tgt Ion: 77 Resp: 429

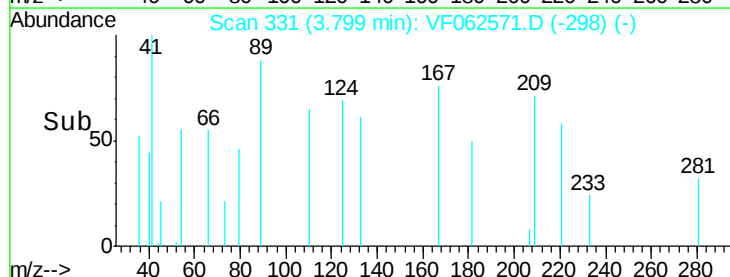
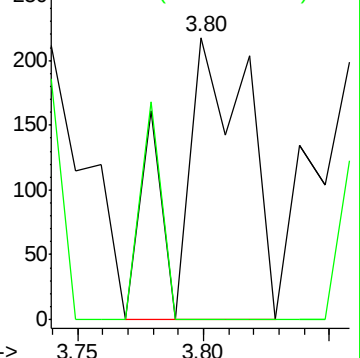
Ion Ratio Lower Upper

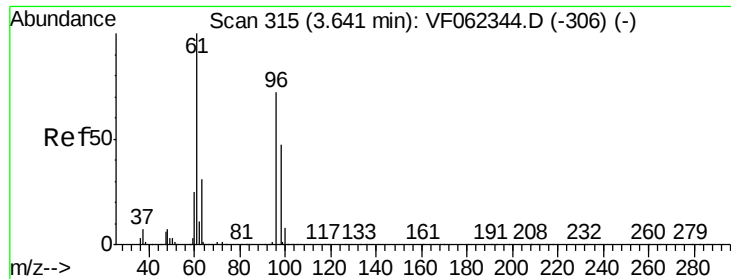
77 100

97 23.1 9.5 28.5



Abundance Ion 76.90 (76.60 to 77.60): VF0



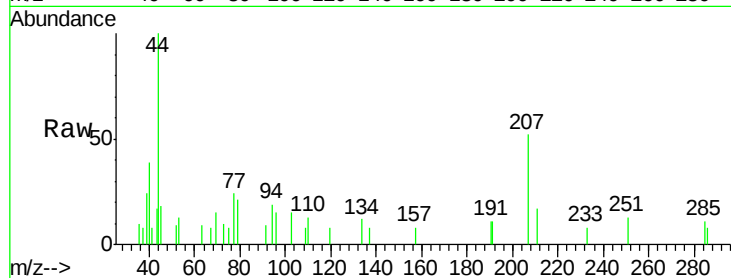


#27

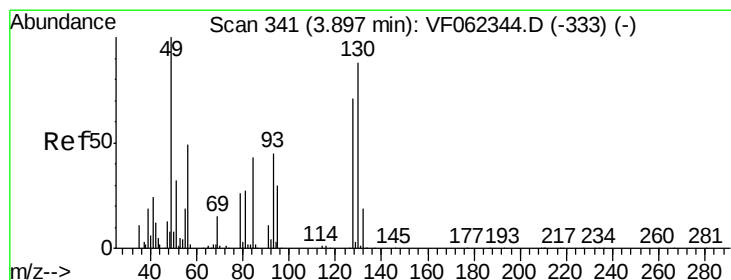
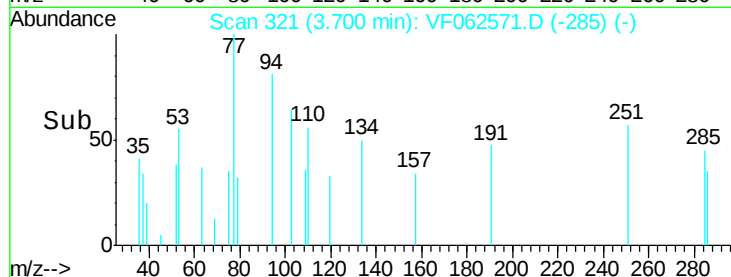
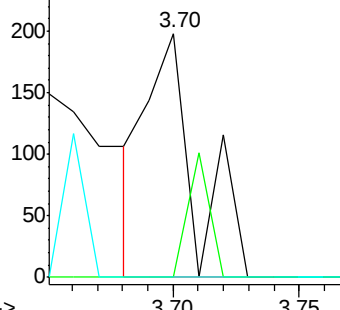
cis-1,2-Dichloroethene
Concen: 11.943 ug/l
RT: 3.70 min Scan# 321
Delta R.T. 0.06 min
Lab File: VF062571.D
Acq: 14 May 2019 6:22

Instrument :
MSVOA_F
ClientSampleId :
P021-SS008-0206-01MSD

Tot Ion: 96 Resp: 271
Ion Ratio Lower Upper
96 100
61 22.1 0.0 263.0
98 0.0 0.0 130.8



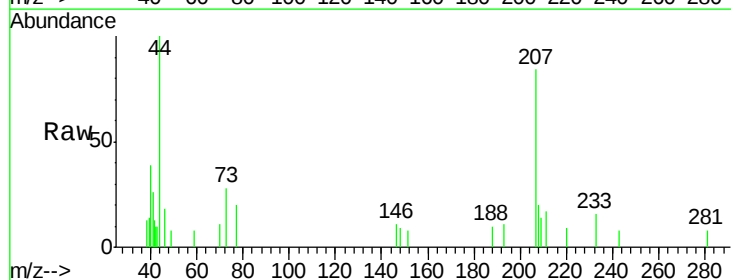
Abundance Ion 95.90 (95.60 to 96.60): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 97.90 (97.60 to 98.60): VF0



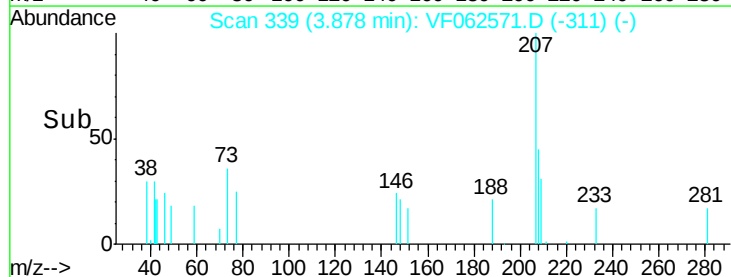
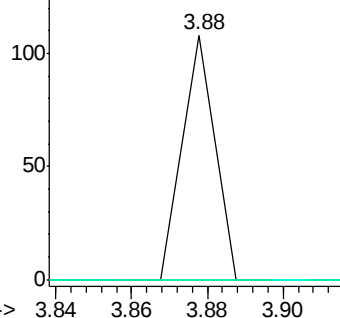
#28

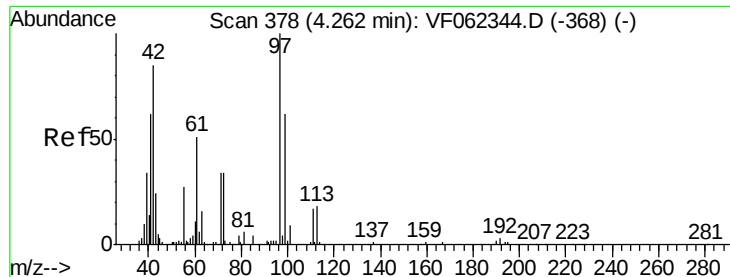
Bromochloromethane
Concen: 4.439 ug/l
RT: 3.88 min Scan# 339
Delta R.T. -0.02 min
Lab File: VF062571.D
Acq: 14 May 2019 6:22

Tgt Ion: 49 Resp: 64
Ion Ratio Lower Upper
49 100
129 0.0 0.0 2.2
130 0.0 79.4 119.0#



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





#29

Tetrahydrofuran

Concen: 305.862 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.04 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

Instrument :

MSVOA_F

ClientSampleId :

P021-SS008-0206-01MSD

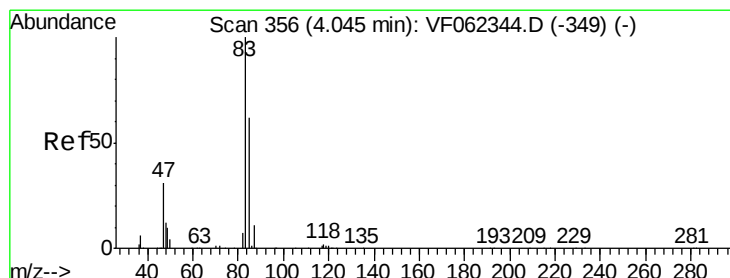
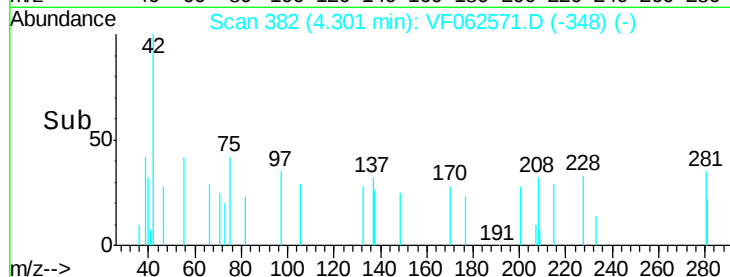
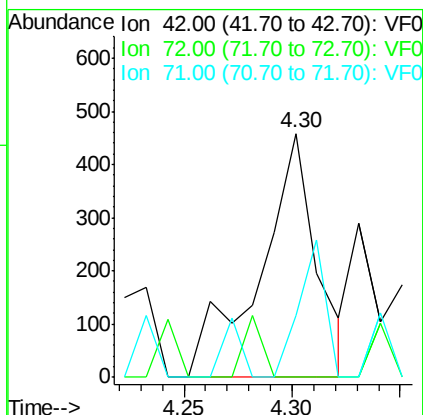
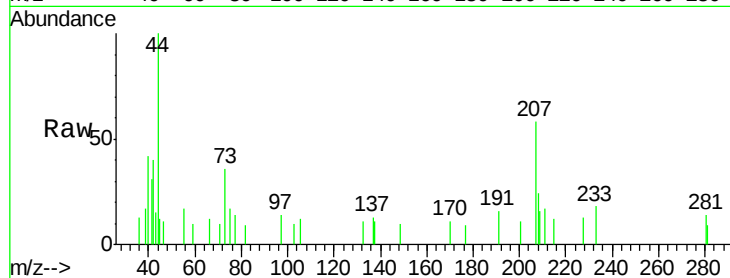
Tot Ion: 42 Resp: 839

Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.0#

71 26.3 31.7 47.5#



#30

Chloroform

Concen: 8.172 ug/l

RT: 4.08 min Scan# 360

Delta R.T. 0.04 min

Lab File: VF062571.D

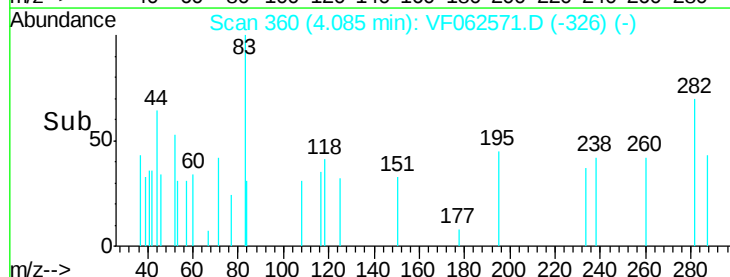
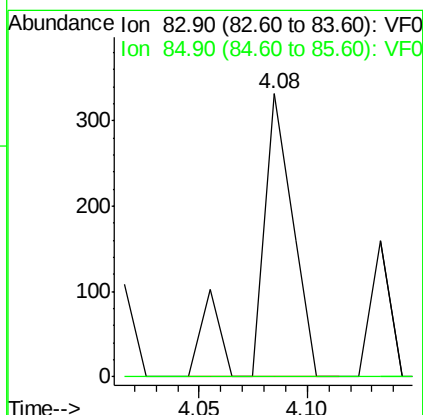
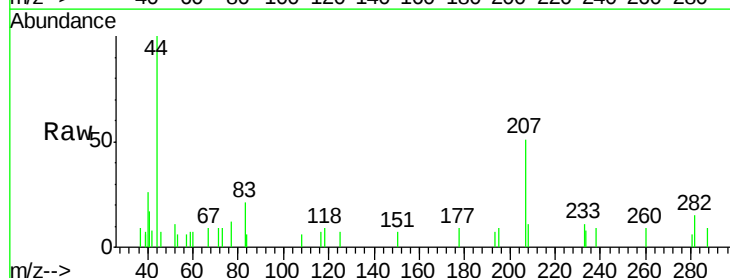
Acq: 14 May 2019 6:22

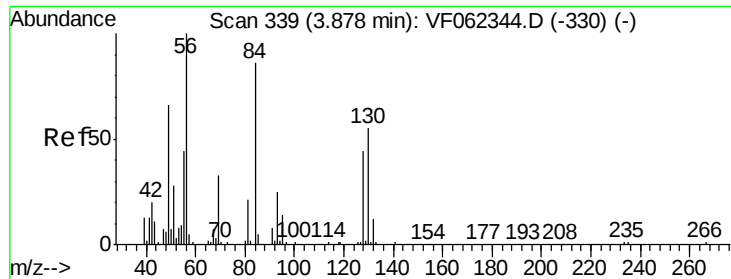
Tgt Ion: 83 Resp: 351

Ion Ratio Lower Upper

83 100

85 0.0 49.6 74.4#

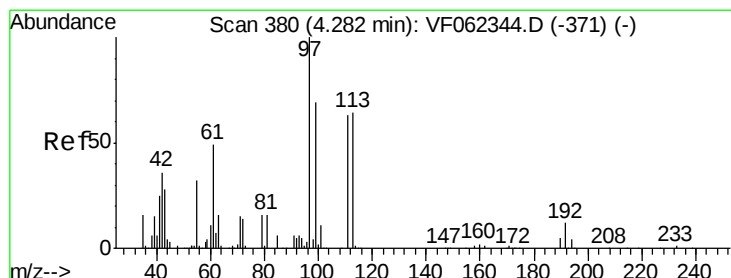
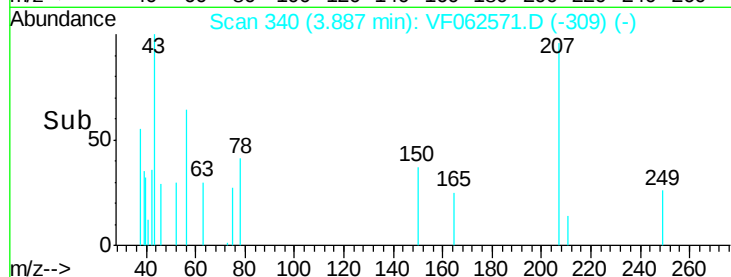
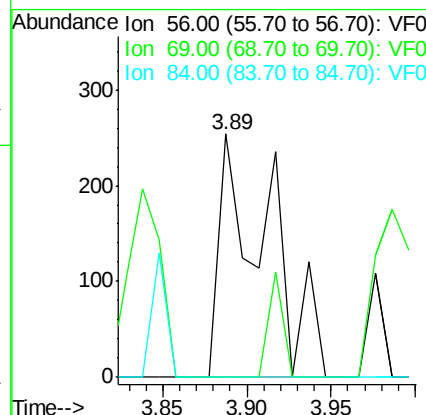
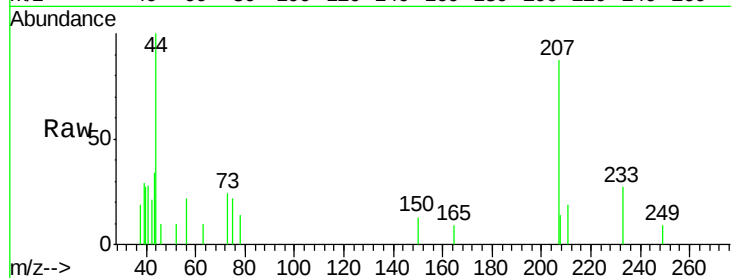




#31
Cvclohexane
Concen: 19.744 ug/l
RT: 3.89 min Scan# 340
Delta R.T. 0.01 min
Lab File: VF062571.D
Acq: 14 May 2019 6:22

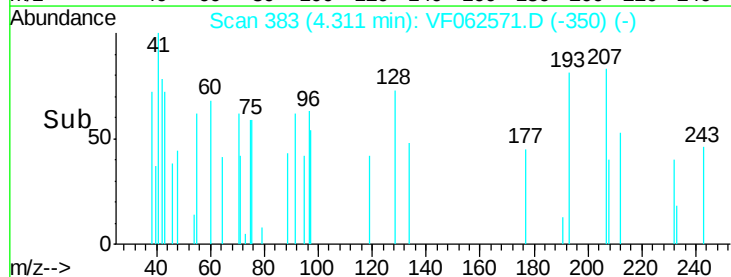
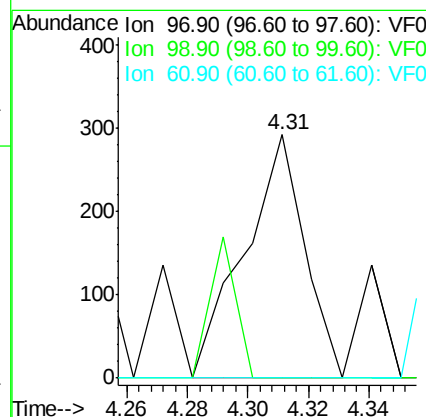
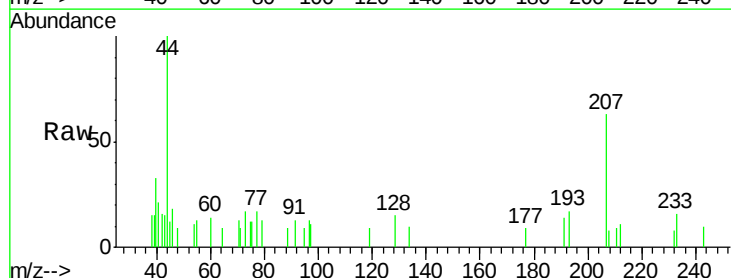
Instrument :
MSVOA_F
ClientSampleId :
P021-SS008-0206-01MSD

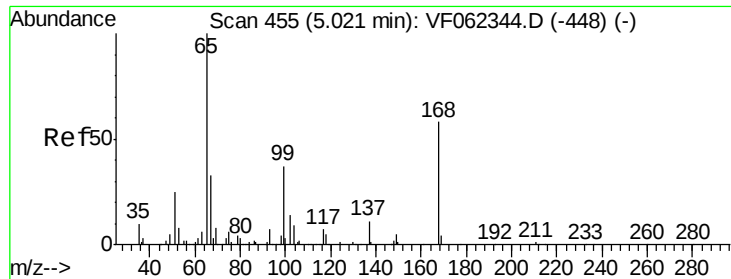
Tot Ion: 56 Resp: 501
Ion Ratio Lower Upper
56 100
69 0.0 26.4 39.6#
84 0.0 69.0 103.6#



#32
1,1,1-Trichloroethane
Concen: 11.030 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.03 min
Lab File: VF062571.D
Acq: 14 May 2019 6:22

Tgt Ion: 97 Resp: 406
Ion Ratio Lower Upper
97 100
99 24.6 52.6 78.8#
61 0.0 39.4 59.0#

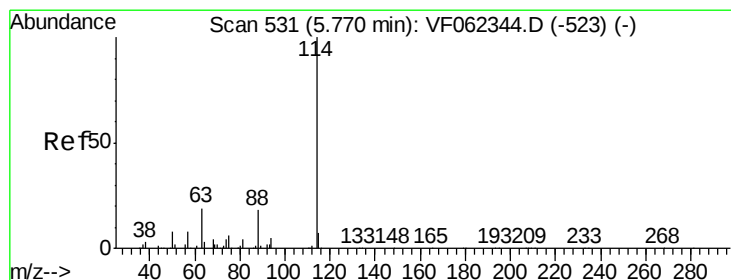
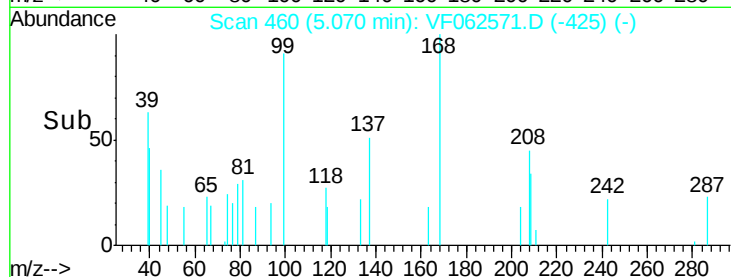
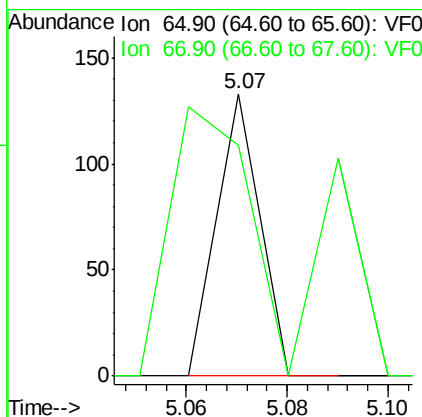
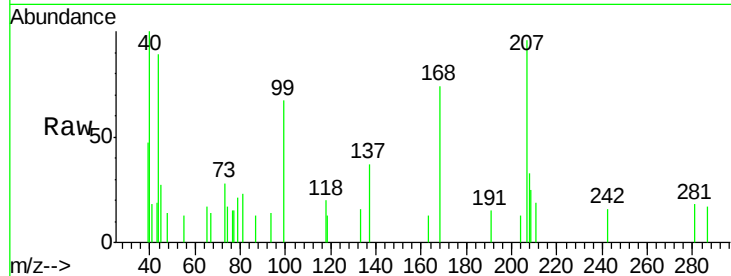




#33
 1,2-Dichloroethane-d4
 Concen: 3.364 ug/l
 RT: 5.07 min Scan# 460
 Delta R.T. 0.05 min
 Lab File: VF062571.D
 Acq: 14 May 2019 6:22

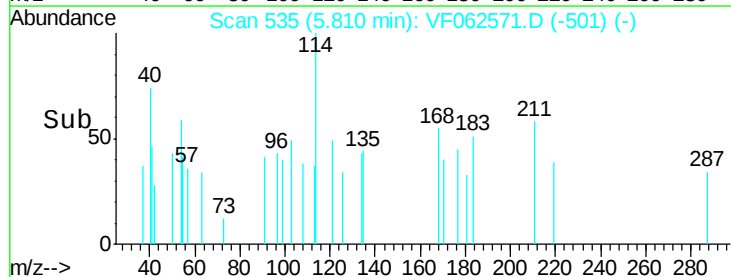
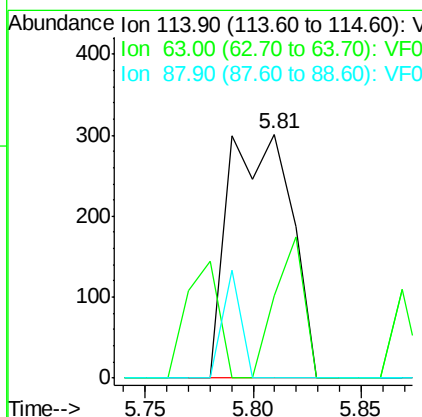
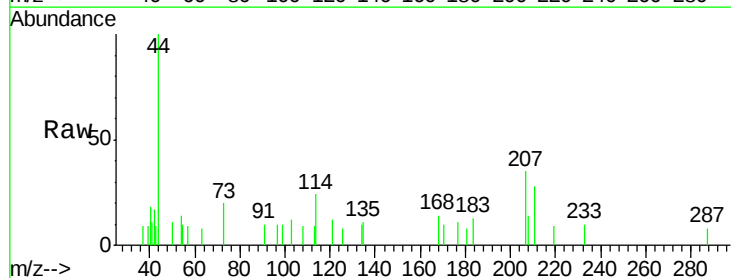
Instrument :
 MSVOA_F
 ClientSampleId :
 P021-SS008-0206-01MSD

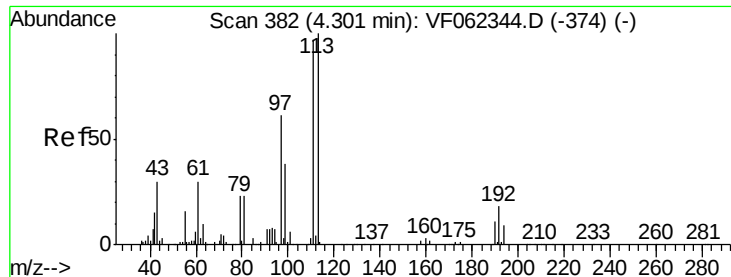
Tot Ion: 65 Resp: 79
 Ion Ratio Lower Upper
 65 100
 67 253.2 0.0 85.8#



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.81 min Scan# 535
 Delta R.T. 0.04 min
 Lab File: VF062571.D
 Acq: 14 May 2019 6:22

Tgt Ion: 114 Resp: 610
 Ion Ratio Lower Upper
 114 100
 63 33.6 0.0 37.4
 88 0.0 0.0 36.4





#35

Dibromofluoromethane

Concen: 12.140 ug/l

RT: 4.34 min Scan# 386

Delta R.T. 0.04 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

Instrument :

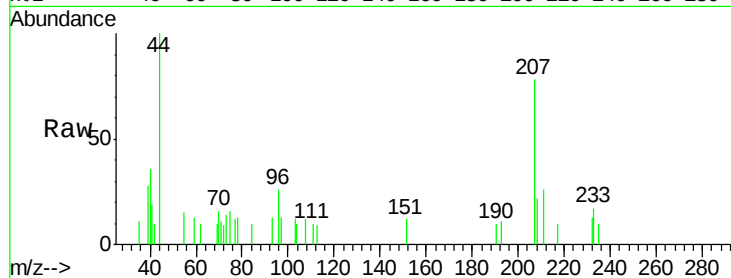
MSVOA_F

ClientSampleId :

P021-SS008-0206-01MSD

Tot Ion:113 Resp: 59

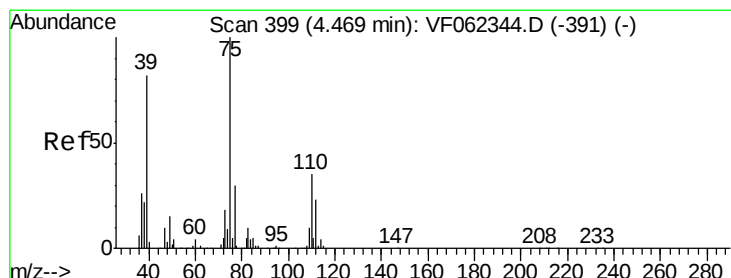
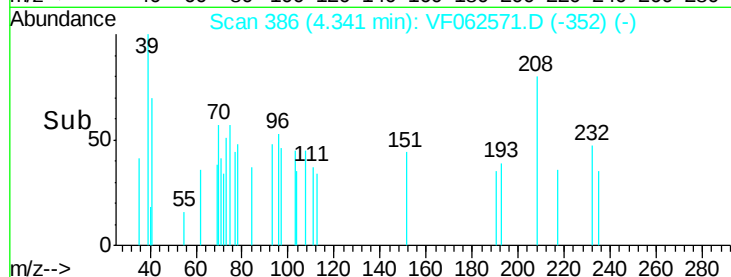
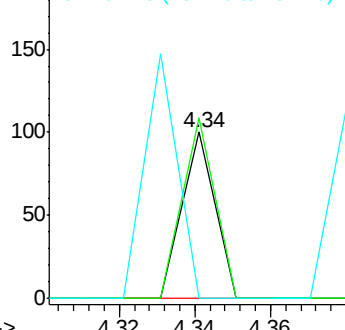
Ion	Ratio	Lower	Upper
113	100		
111	108.5	79.4	119.0
192	147.5	16.0	24.0#



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.129 ug/l

RT: 4.47 min Scan# 399

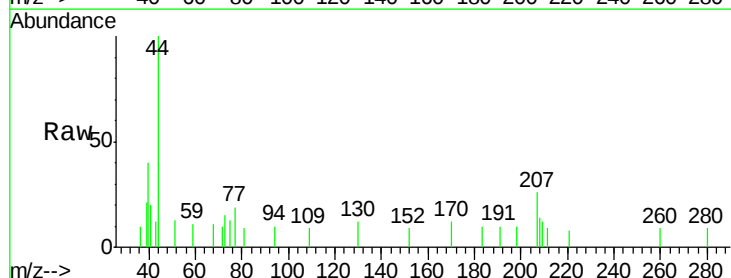
Delta R.T. 0.00 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

Tgt Ion: 75 Resp: 95

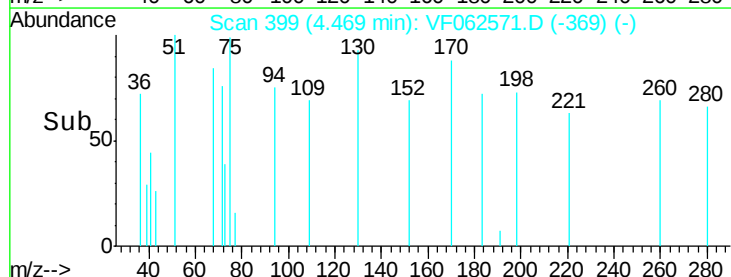
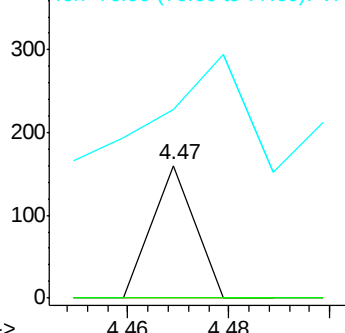
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.2	51.5#
77	1007.4	25.2	37.8#

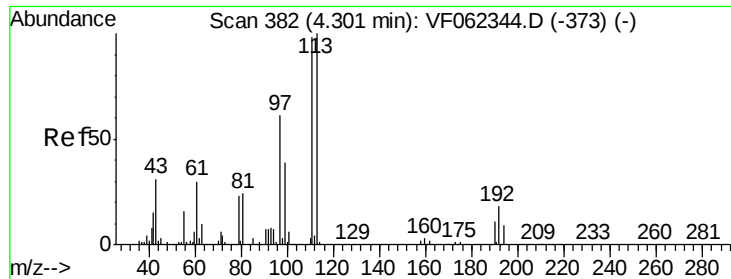


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VF0





#37

Ethyl Acetate

Concen: 348.533 ug/l

RT: 4.33 min Scan# 385

Delta R.T. 0.03 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

Instrument :

MSVOA_F

ClientSampleId :

P021-SS008-0206-01MSD

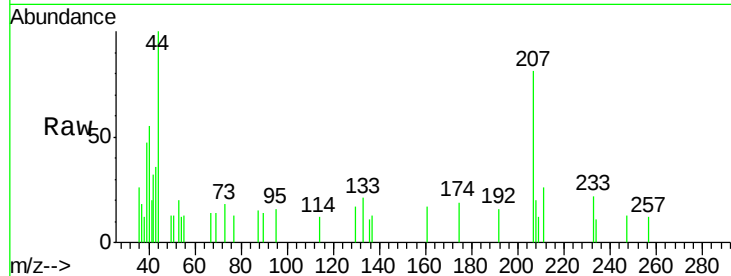
Tot Ion: 43 Resp: 647

Ion Ratio Lower Upper

43 100

61 0.0 0.0 0.0

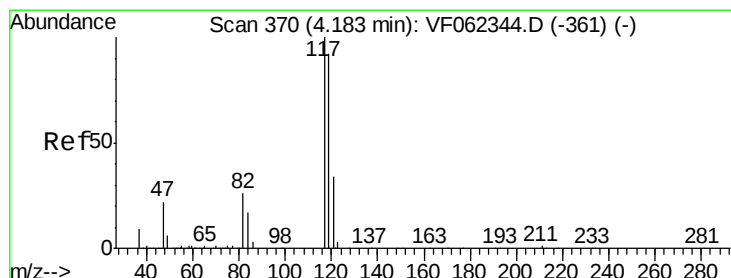
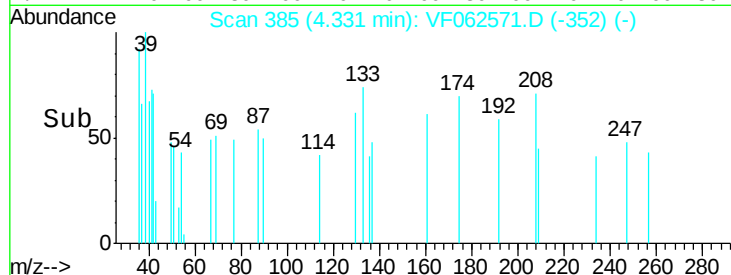
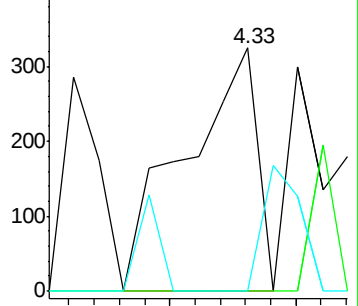
70 0.0 8.2 12.2#



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: 10.694 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.08 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

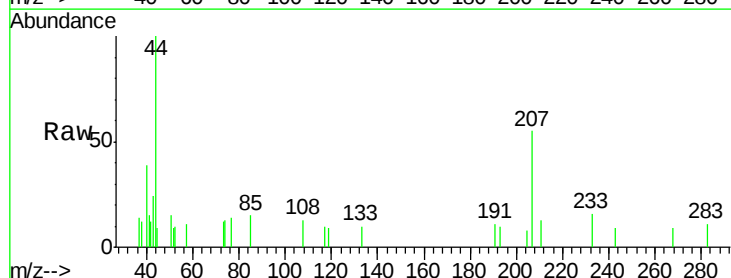
Tgt Ion: 117 Resp: 70

Ion Ratio Lower Upper

117 100

119 91.6 73.4 110.2

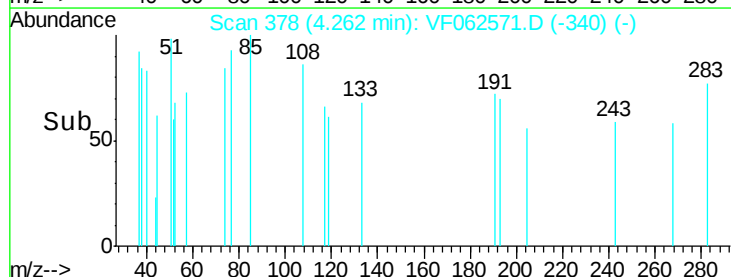
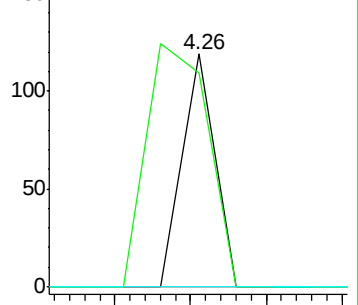
121 0.0 27.4 41.0#

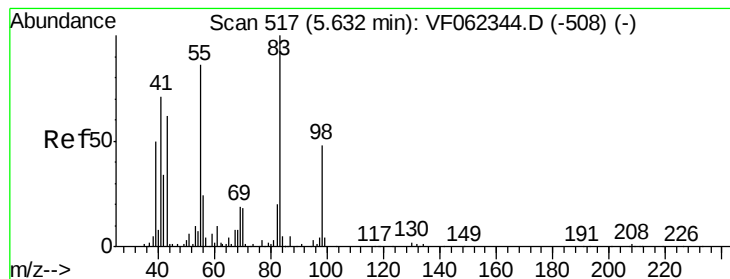


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#39

Methvlcvclohexane

Concen: 11.417 ug/l

RT: 5.67 min Scan# 521

Delta R.T. 0.04 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

Instrument :

MSVOA_F

ClientSampleId :

P021-SS008-0206-01MSD

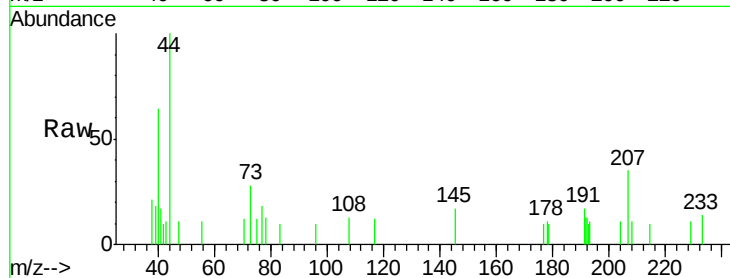
Tot Ion: 83 Resp: 60

Ion Ratio Lower Upper

83 100

55 107.8 69.0 103.6#

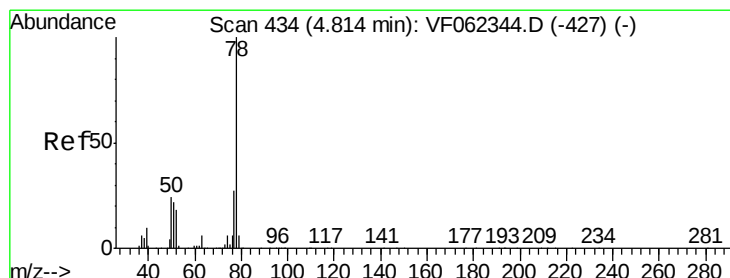
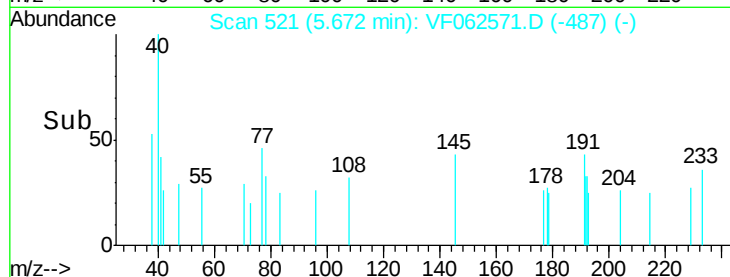
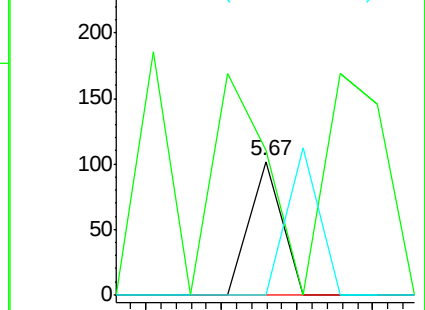
98 0.0 38.6 58.0#



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: 20.192 ug/l

RT: 4.85 min Scan# 438

Delta R.T. 0.04 min

Lab File: VF062571.D

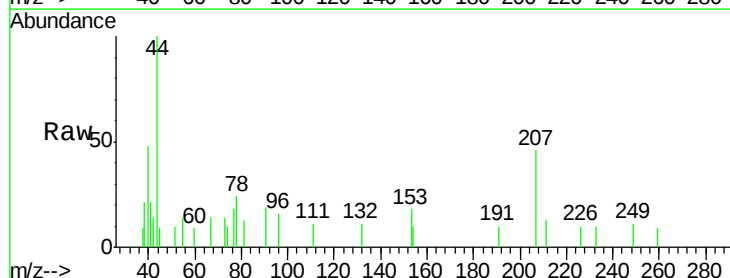
Acq: 14 May 2019 6:22

Tgt Ion: 78 Resp: 233

Ion Ratio Lower Upper

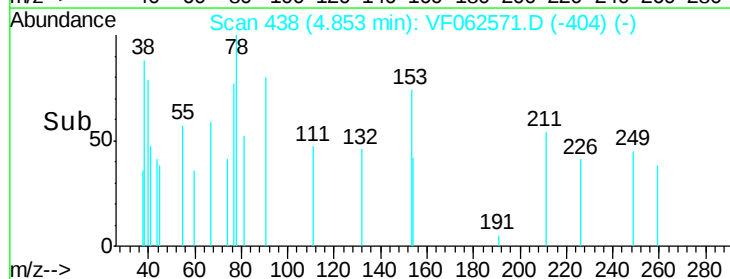
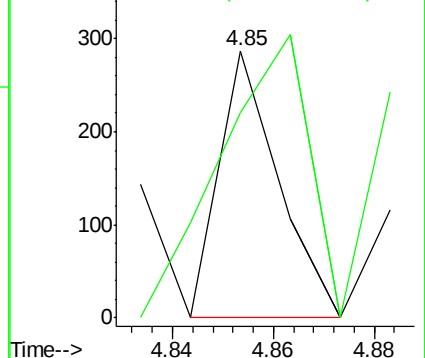
78 100

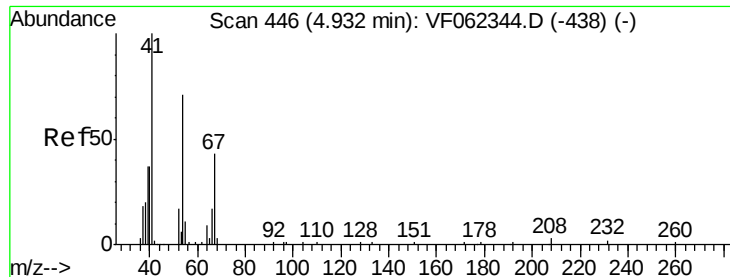
77 76.7 21.6 32.4#



Abundance Ion 78.00 (77.70 to 78.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 452.057 ug/l

RT: 4.96 min Scan# 449

Delta R.T. 0.03 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

Instrument :

MSVOA_F

ClientSampleId :

P021-SS008-0206-01MSD

Tot Ion: 41 Resp: 568

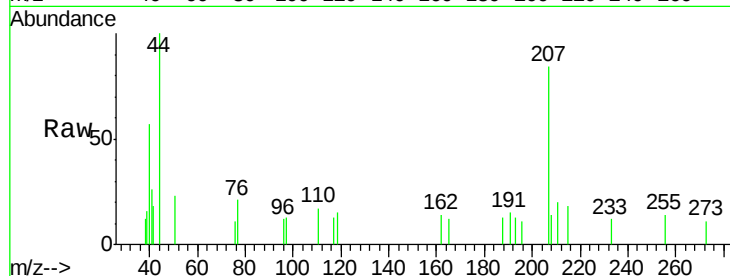
Ion Ratio Lower Upper

41 100

39 180.8 54.3 81.5#

67 0.0 37.8 56.8#

52 0.0 58.2 87.4#

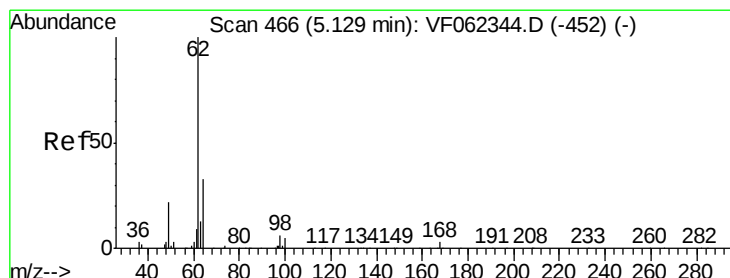
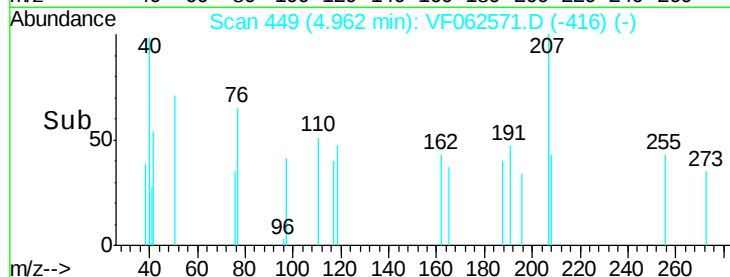
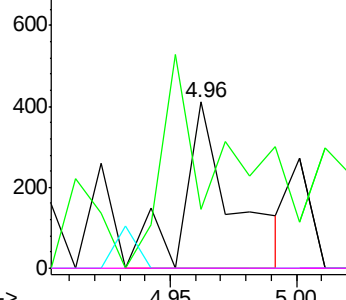


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 31.289 ug/l

RT: 5.14 min Scan# 467

Delta R.T. 0.01 min

Lab File: VF062571.D

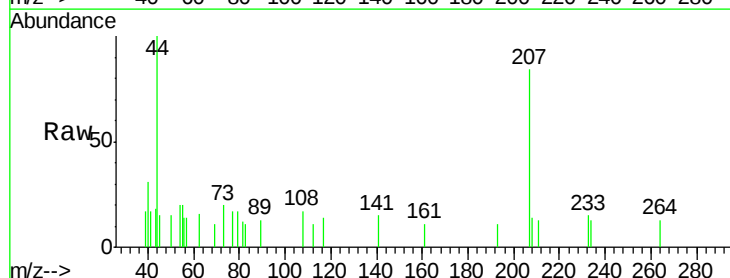
Acq: 14 May 2019 6:22

Tgt Ion: 62 Resp: 151

Ion Ratio Lower Upper

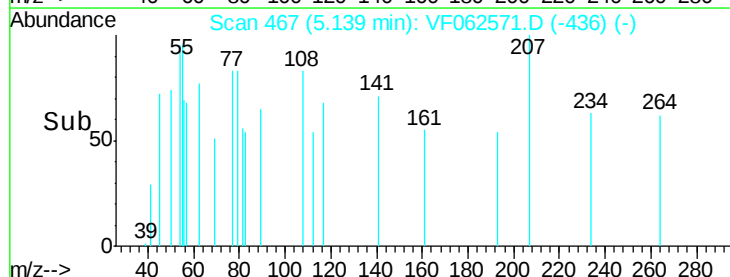
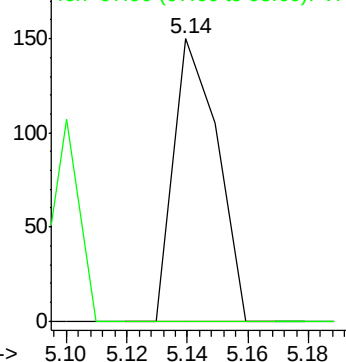
62 100

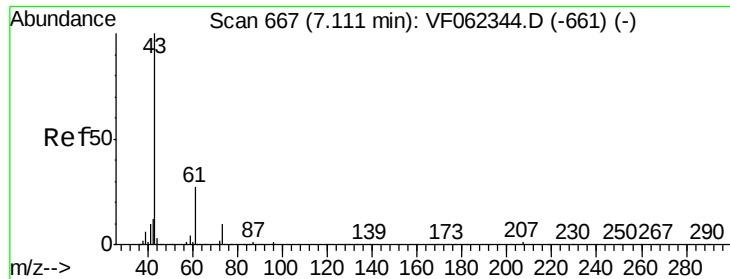
98 0.0 0.0 12.4



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 97.90 (97.60 to 98.60): VF0





#43

Isopropyl Acetate

Concen: 349.910 ug/l

RT: 7.14 min Scan# 670

Delta R.T. 0.03 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

Instrument :

MSVOA_F

ClientSampleId :

P021-SS008-0206-01MSD

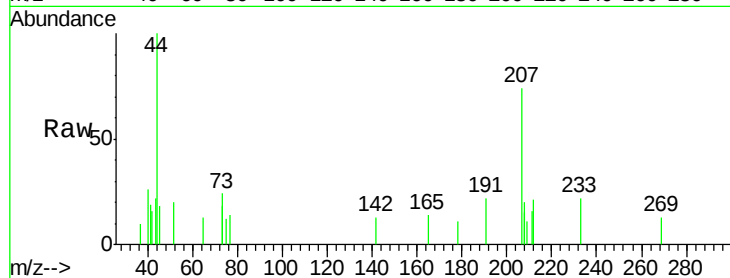
Tot Ion: 43 Resp: 834

Ion Ratio Lower Upper

43 100

61 0.0 22.8 34.2#

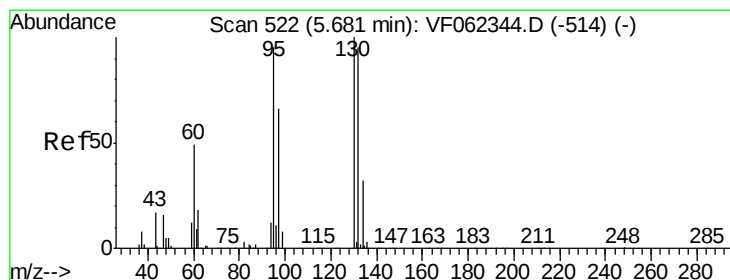
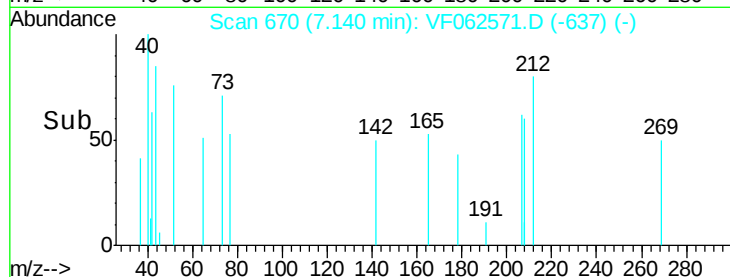
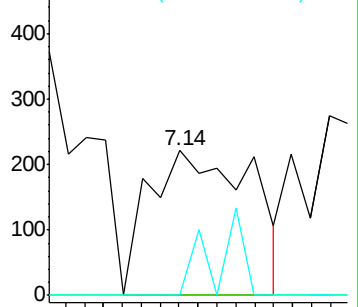
87 7.2 0.6 1.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 27.130 ug/l

RT: 5.44 min Scan# 498

Delta R.T. -0.24 min

Lab File: VF062571.D

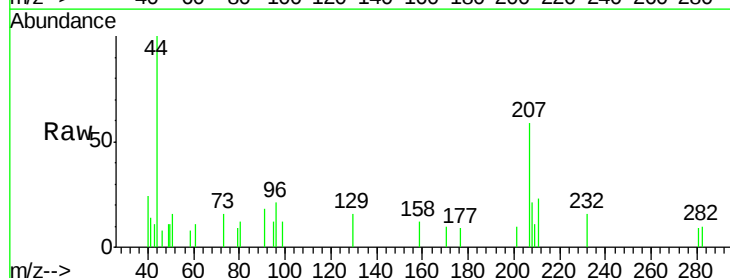
Acq: 14 May 2019 6:22

Tgt Ion: 130 Resp: 115

Ion Ratio Lower Upper

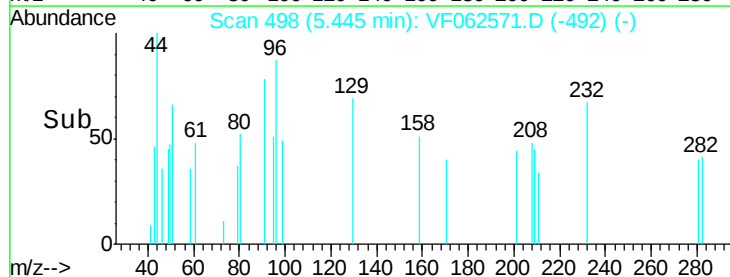
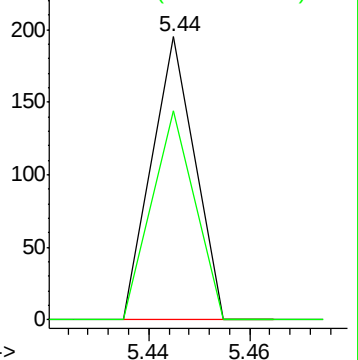
130 100

95 73.8 0.0 189.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VF0

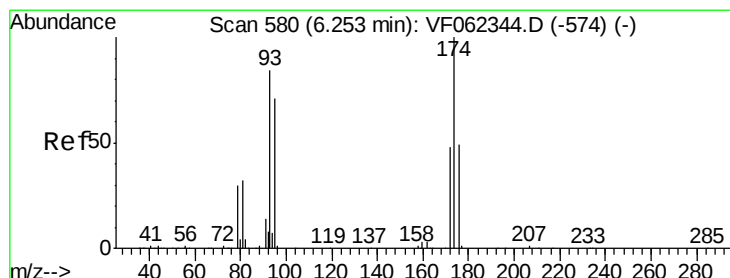
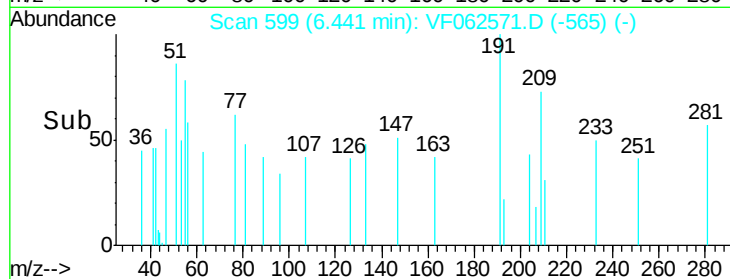
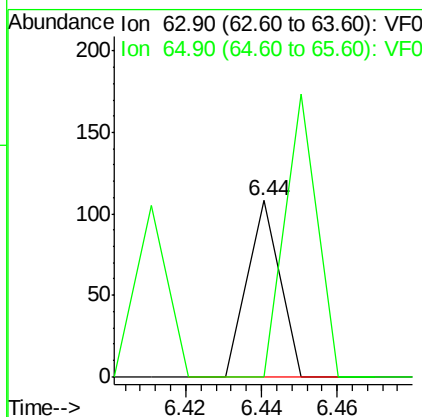
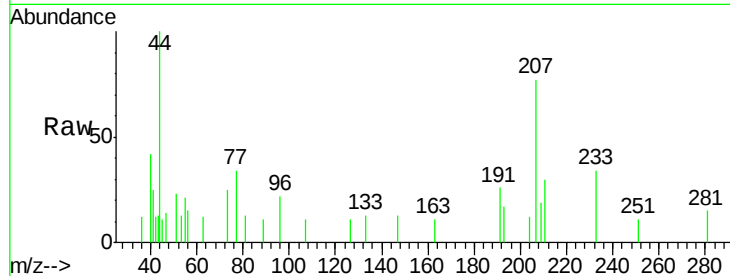




#45
 1,2-Dichloropropane
 Concen: 24.487 ug/l
 RT: 6.44 min Scan# 599
 Delta R.T. 0.04 min
 Lab File: VF062571.D
 Acq: 14 May 2019 6:22

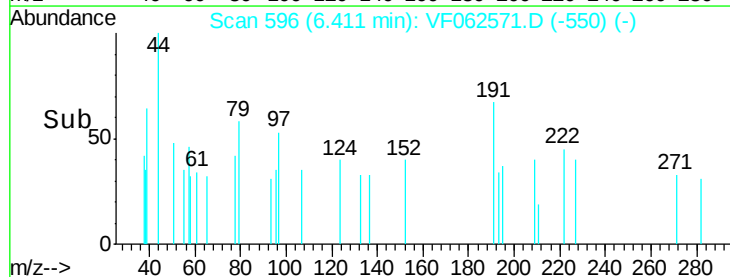
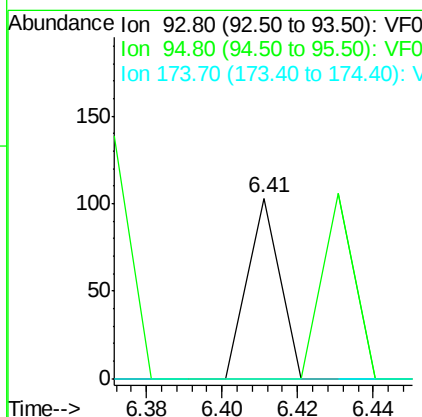
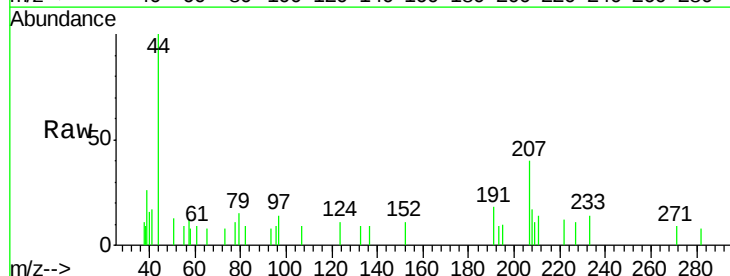
Instrument :
 MSVOA_F
 ClientSampleId :
 P021-SS008-0206-01MSD

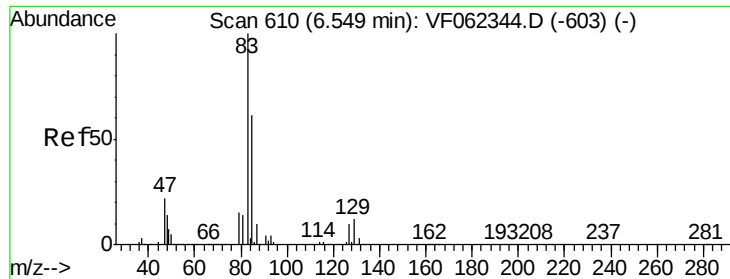
Tot Ion: 63 Resp: 64
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.6 38.4#



#46
 Dibromomethane
 Concen: 28.149 ug/l
 RT: 6.41 min Scan# 596
 Delta R.T. 0.16 min
 Lab File: VF062571.D
 Acq: 14 May 2019 6:22

Tgt Ion: 93 Resp: 61
 Ion Ratio Lower Upper
 93 100
 95 103.3 68.4 102.6#
 174 0.0 99.6 149.4#





#47

Bromodichloromethane

Concen: 12.366 ug/l

RT: 6.62 min Scan# 617

Delta R.T. 0.07 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

Instrument :

MSVOA_F

ClientSampleId :

P021-SS008-0206-01MSD

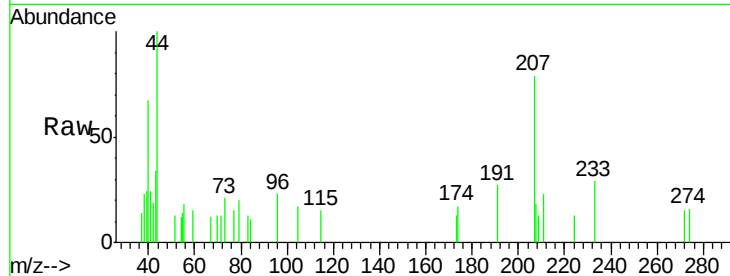
Tot Ion: 83 Resp: 67

Ion Ratio Lower Upper

83 100

85 0.0 49.1 73.7#

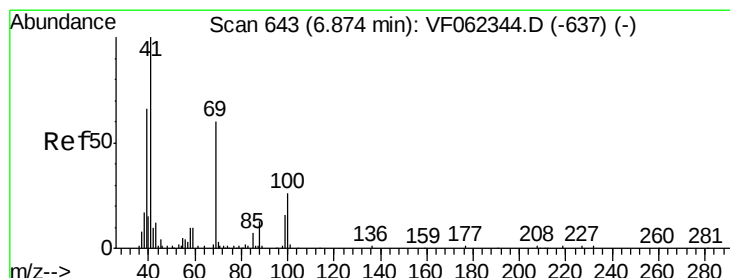
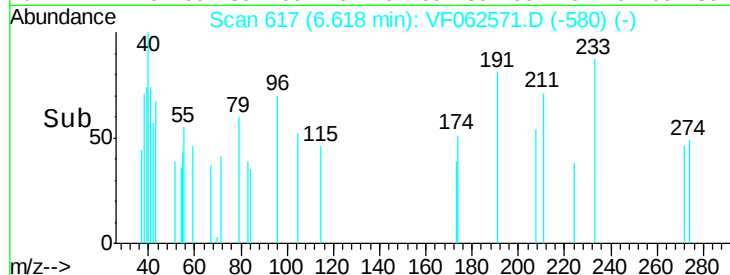
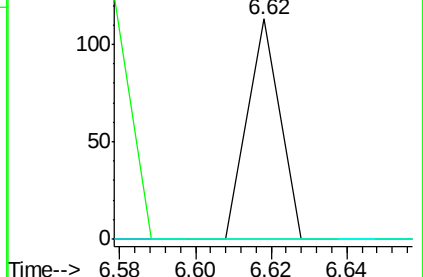
127 0.0 7.8 11.8#



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: 333.062 ug/l

RT: 6.93 min Scan# 649

Delta R.T. 0.06 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

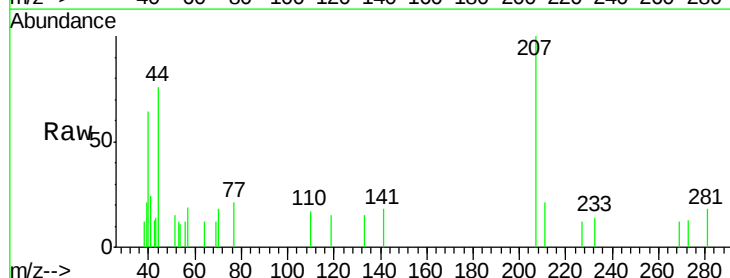
Tgt Ion: 41 Resp: 561

Ion Ratio Lower Upper

41 100

69 67.2 48.6 72.8

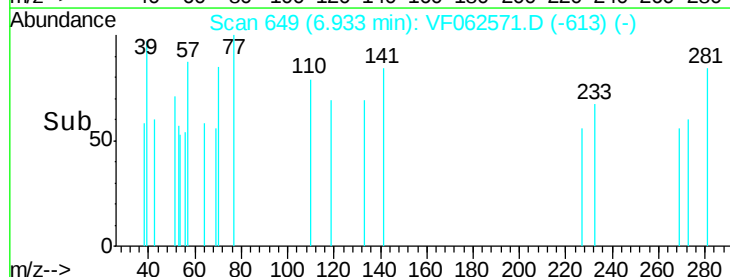
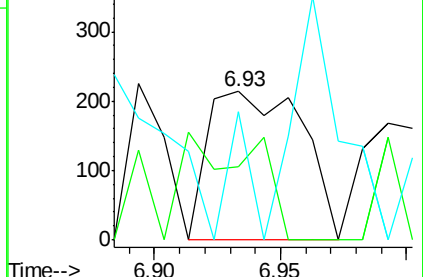
39 0.0 56.1 84.1#

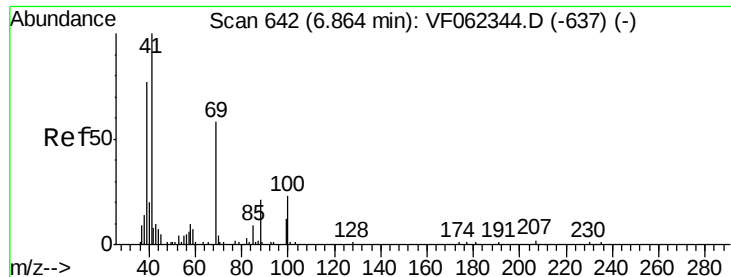


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

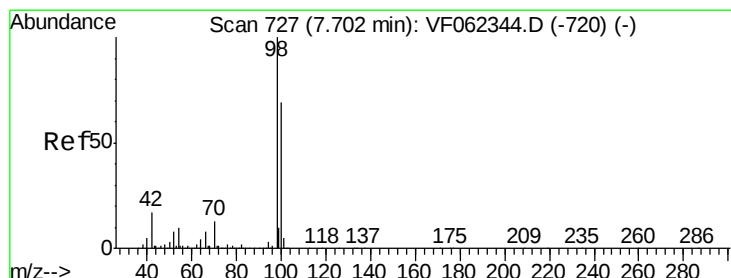
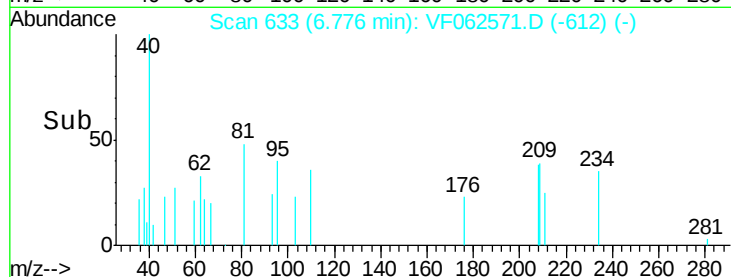
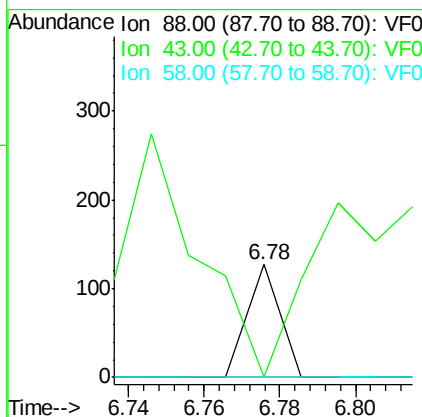
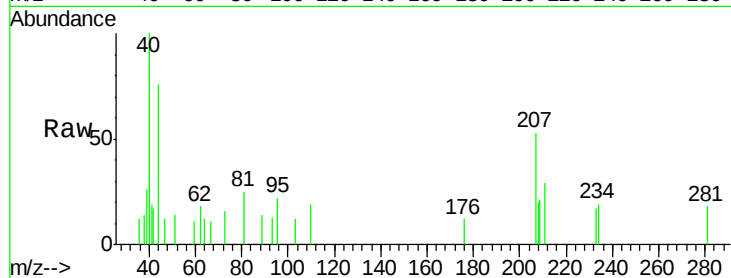




#49
1,4-Dioxane
Concen: 4373.483 ug/l
RT: 6.78 min Scan# 633
Delta R.T. -0.09 min
Lab File: VF062571.D
Acq: 14 May 2019 6:22

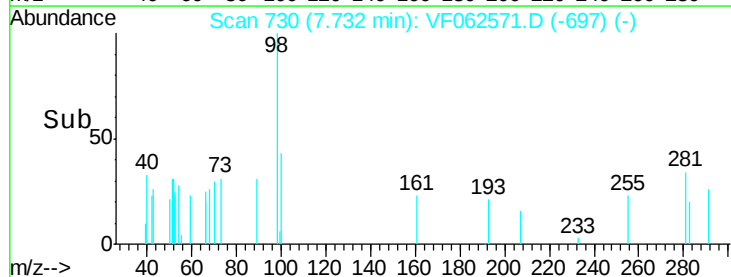
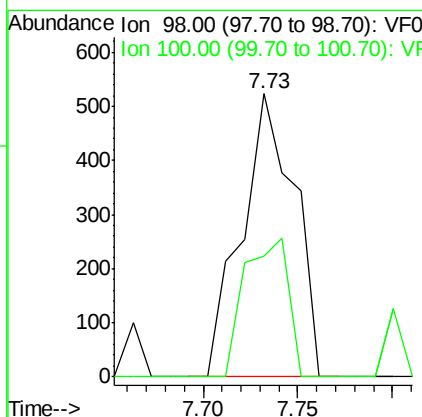
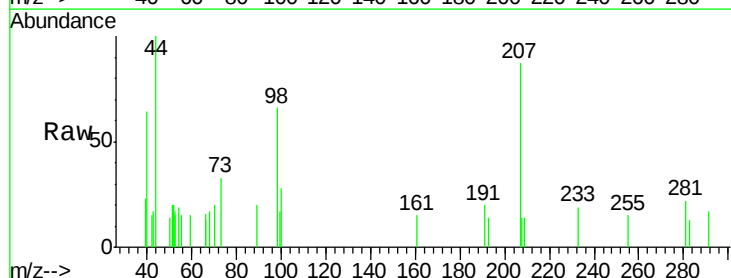
Instrument :
MSVOA_F
ClientSampleId :
P021-SS008-0206-01MSD

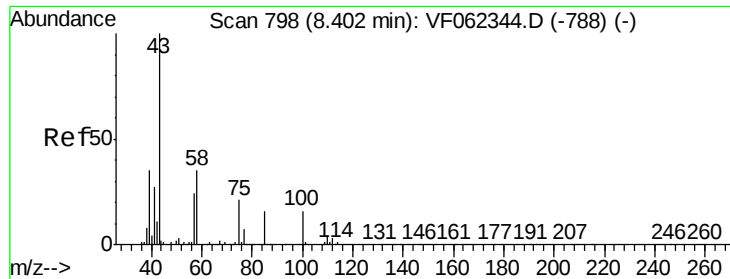
Tot Ion: 88 Resp: 75
Ion Ratio Lower Upper
88 100
43 516.0 55.6 83.4#
58 0.0 52.8 79.2#



#50
Toluene-d8
Concen: 85.942 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.03 min
Lab File: VF062571.D
Acq: 14 May 2019 6:22

Tgt Ion: 98 Resp: 1011
Ion Ratio Lower Upper
98 100
100 40.4 53.3 79.9#





#51

4-Methyl-2-Pentanone

Concen: 611.830 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.02 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

Instrument :

MSVOA_F

ClientSampleId :

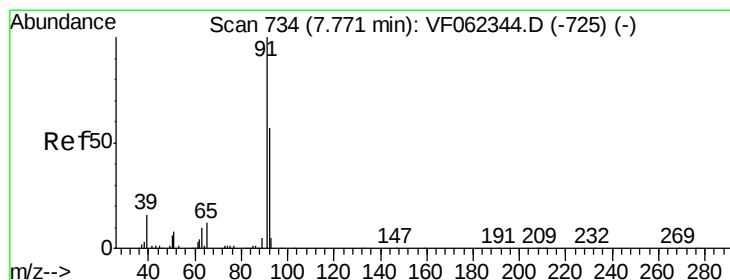
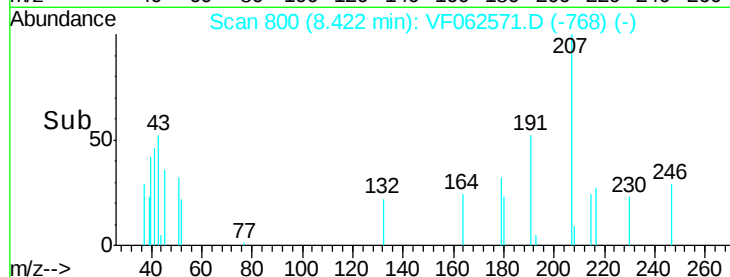
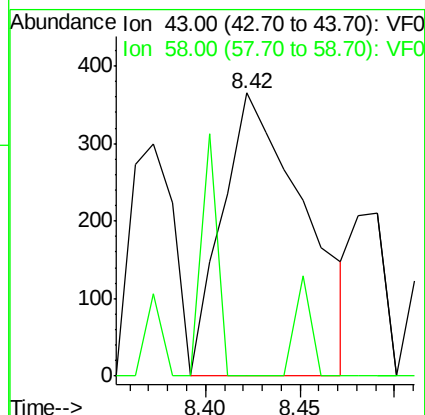
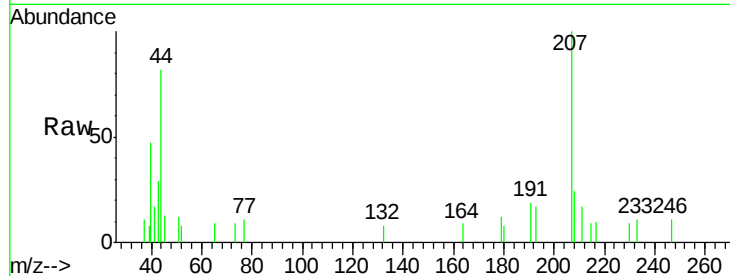
P021-SS008-0206-01MSD

Tot Ion: 43 Resp: 1105

Ion Ratio Lower Upper

43 100

58 22.4 27.8 41.6#



#52

Toluene

Concen: 16.155 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.03 min

Lab File: VF062571.D

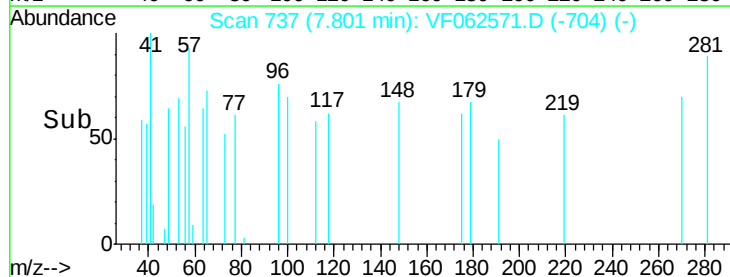
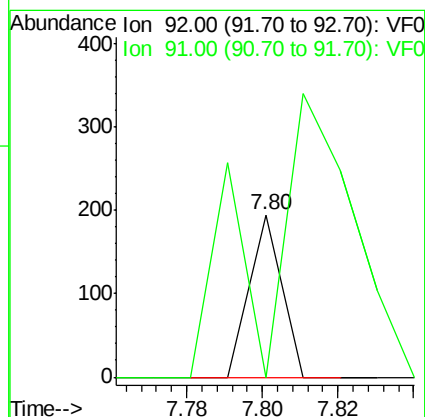
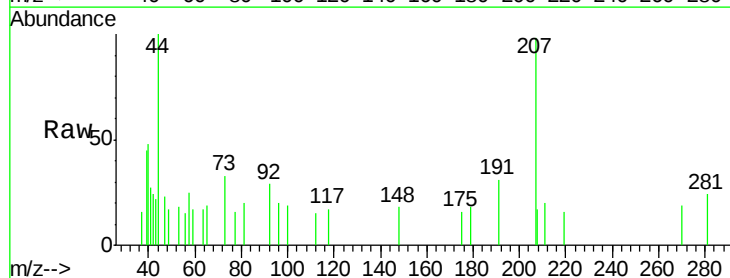
Acq: 14 May 2019 6:22

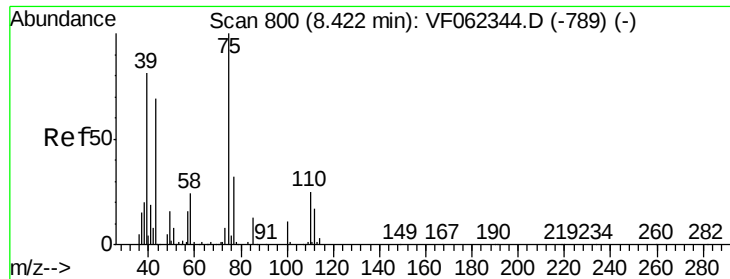
Tgt Ion: 92 Resp: 115

Ion Ratio Lower Upper

92 100

91 487.0 138.7 208.1#





#53

t-1,3-Dichloropropene

Concen: 17.571 ug/l

RT: 8.52 min Scan# 810

Delta R.T. 0.10 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

Instrument :

MSVOA_F

ClientSampleId :

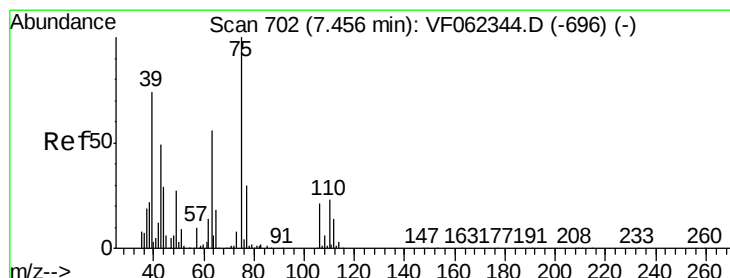
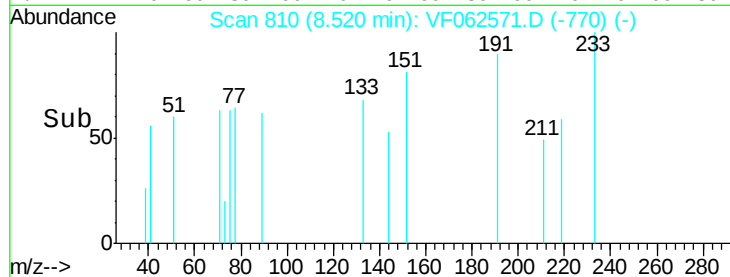
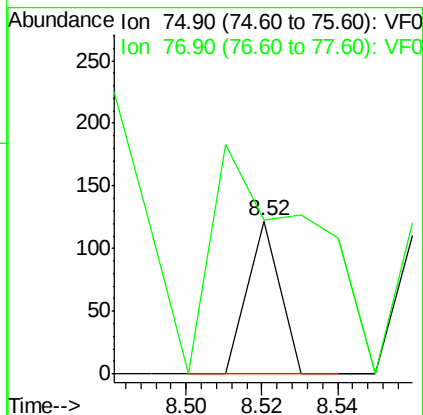
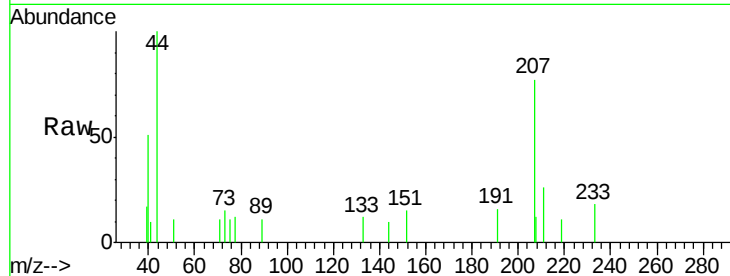
P021-SS008-0206-01MSD

Tot Ion: 75 Resp: 72

Ion Ratio Lower Upper

75 100

77 100.8 25.4 38.0#



#54

cis-1,3-Dichloropropene

Concen: 51.163 ug/l

RT: 7.44 min Scan# 700

Delta R.T. -0.02 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

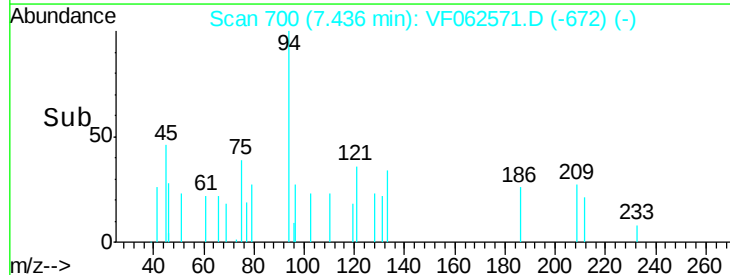
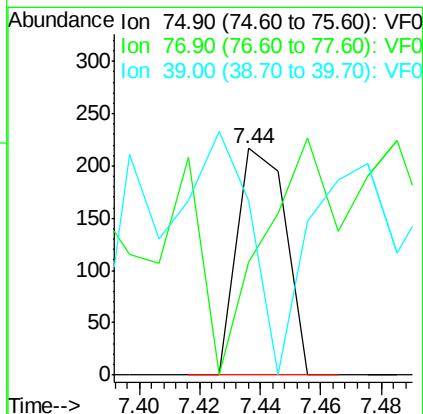
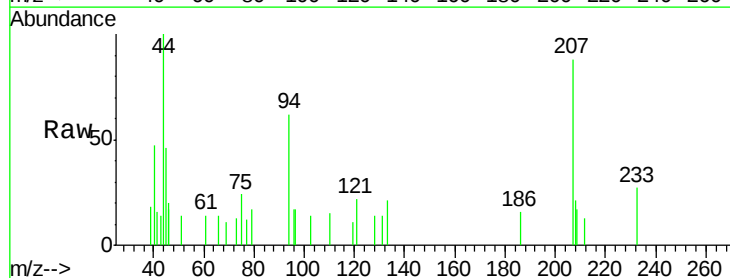
Tgt Ion: 75 Resp: 244

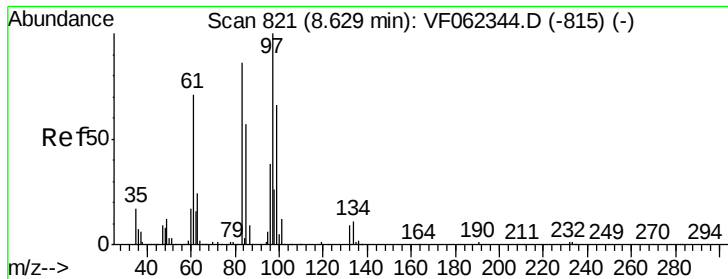
Ion Ratio Lower Upper

75 100

77 0.0 24.0 36.0#

39 0.0 58.7 88.1#





#55

1,1,2-Trichloroethane

Concen: 38.942 ug/l

RT: 8.65 min Scan# 823

Delta R.T. 0.02 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

Instrument :

MSVOA_F

ClientSampleId :

P021-SS008-0206-01MSD

Tot Ion: 97 Resp: 88

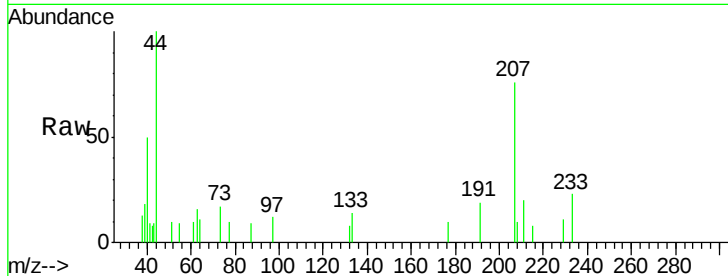
Ion Ratio Lower Upper

97 100

83 0.0 68.5 102.7#

85 0.0 45.4 68.2#

99 0.0 52.7 79.1#

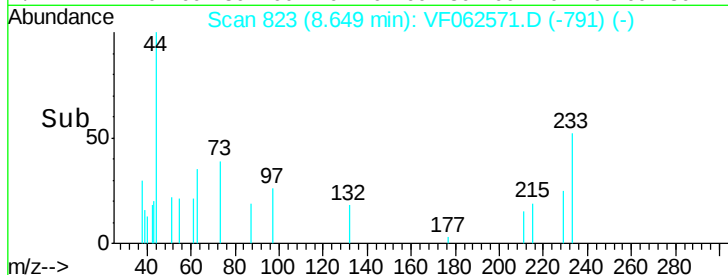
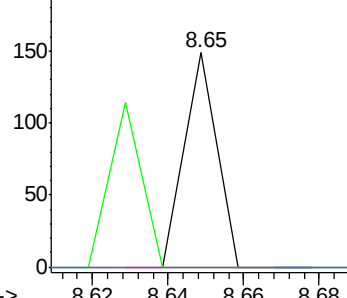


Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 98.90 (98.60 to 99.60): VF0



#56

Ethyl methacrylate

Concen: 36.471 ug/l

RT: 8.79 min Scan# 837

Delta R.T. 0.03 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

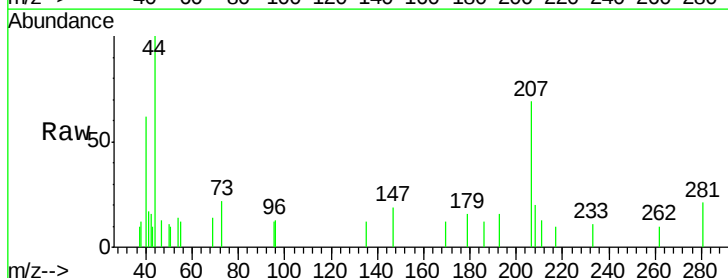
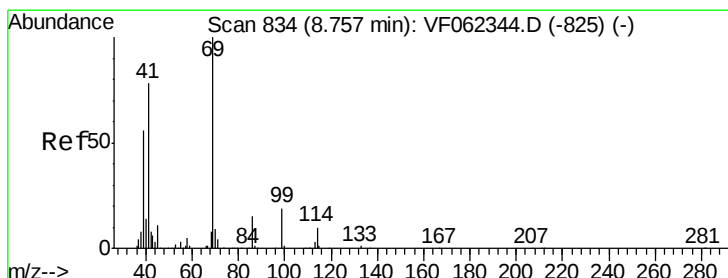
Tgt Ion: 69 Resp: 87

Ion Ratio Lower Upper

69 100

41 613.8 66.3 99.5#

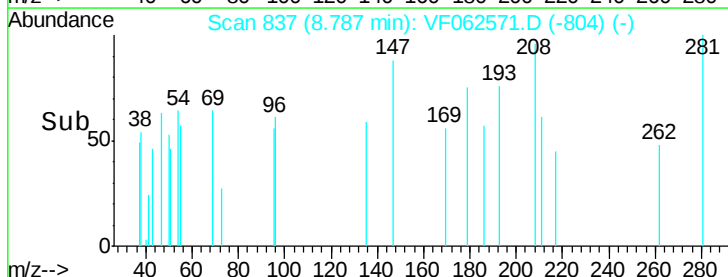
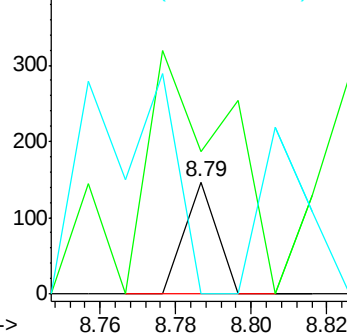
39 487.4 50.1 75.1#

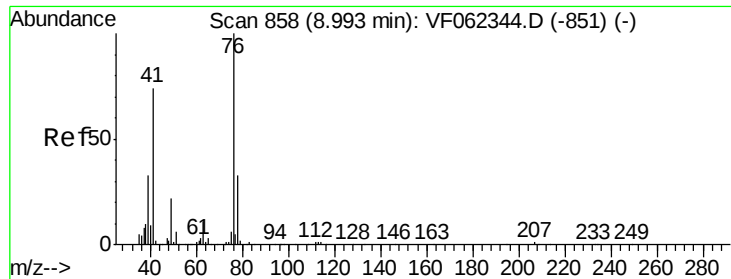


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 26.073 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.02 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

Instrument :

MSVOA_F

ClientSampleId :

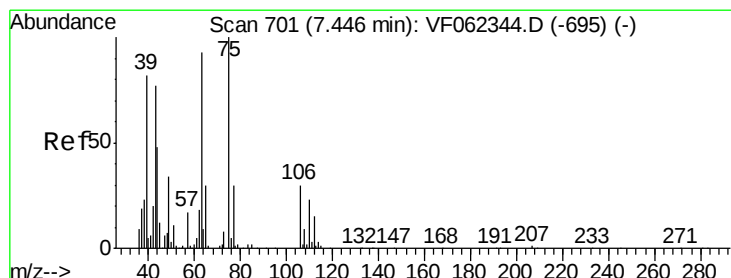
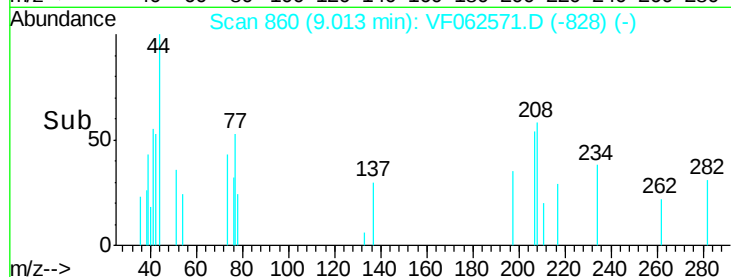
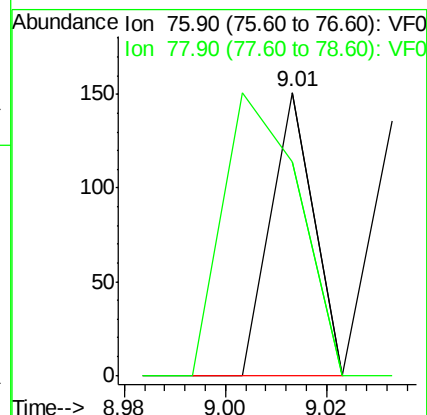
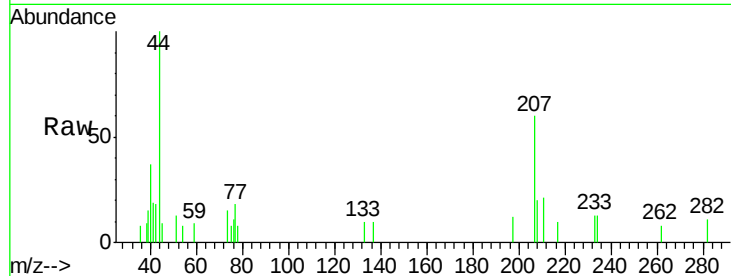
P021-SS008-0206-01MSD

Tot Ion: 76 Resp: 89

Ion Ratio Lower Upper

76 100

78 176.4 26.4 39.6#



#58

2-Chloroethyl Vinyl ether

Concen: 107.367 ug/l

RT: 7.41 min Scan# 697

Delta R.T. -0.04 min

Lab File: VF062571.D

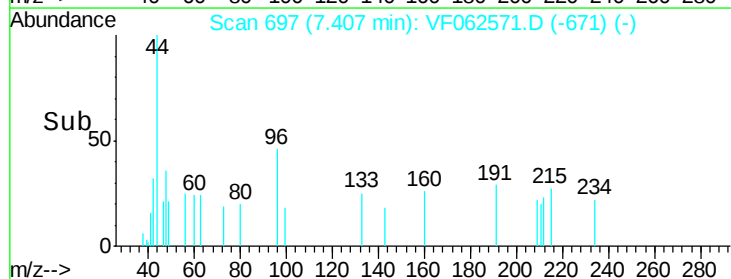
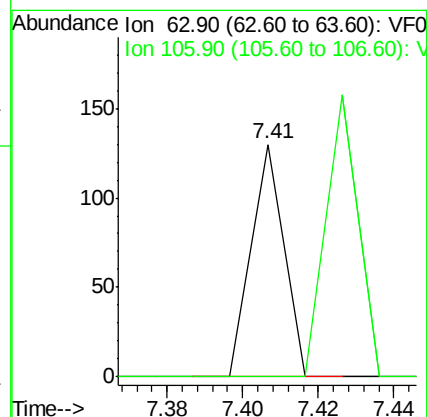
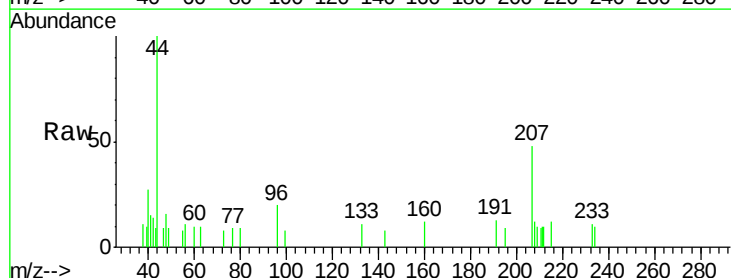
Acq: 14 May 2019 6:22

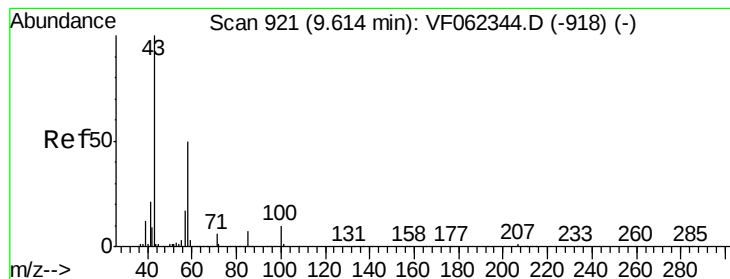
Tgt Ion: 63 Resp: 77

Ion Ratio Lower Upper

63 100

106 120.8 25.8 38.8#





#59

2-Hexanone

Concen: 850.231 ug/l

RT: 9.65 min Scan# 925

Delta R.T. 0.04 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

Instrument :

MSVOA_F

ClientSampleId :

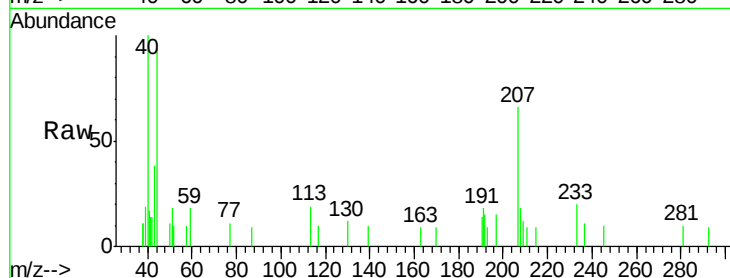
P021-SS008-0206-01MSD

Tot Ion: 43 Resp: 1062

Ion Ratio Lower Upper

43 100

58 29.9 24.3 73.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

9.65

400

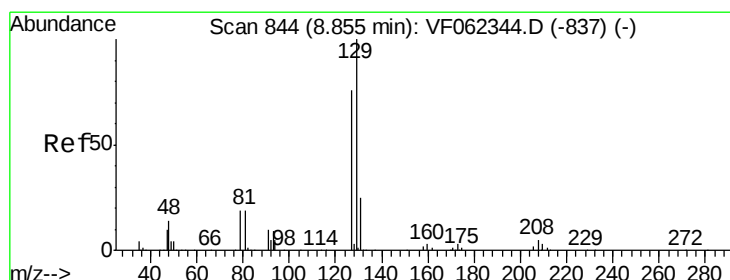
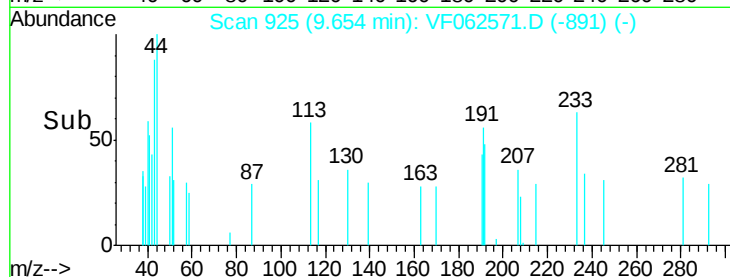
300

200

100

0

Time-->



#60

Dibromochloromethane

Concen: 19.210 ug/l

RT: 8.93 min Scan# 852

Delta R.T. 0.08 min

Lab File: VF062571.D

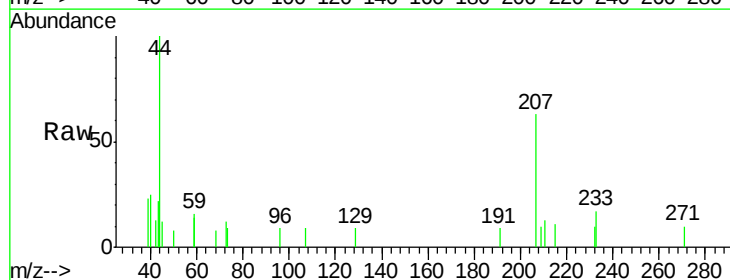
Acq: 14 May 2019 6:22

Tgt Ion: 129 Resp: 71

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

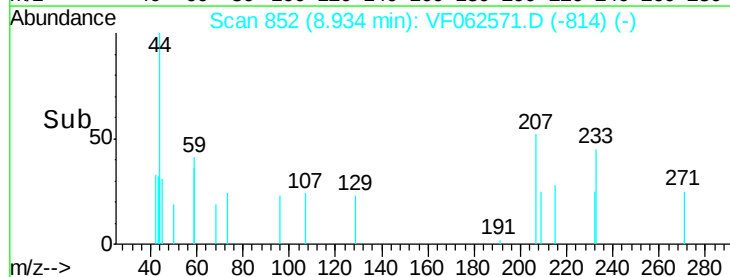
8.93

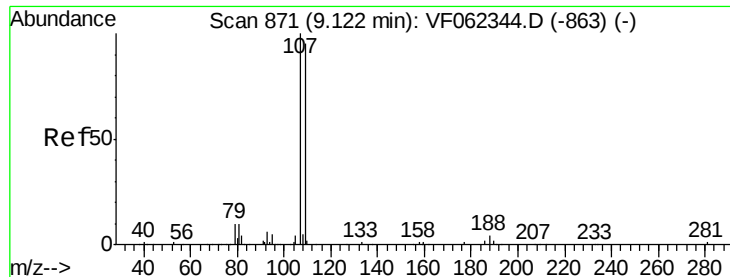
100

50

0

Time-->

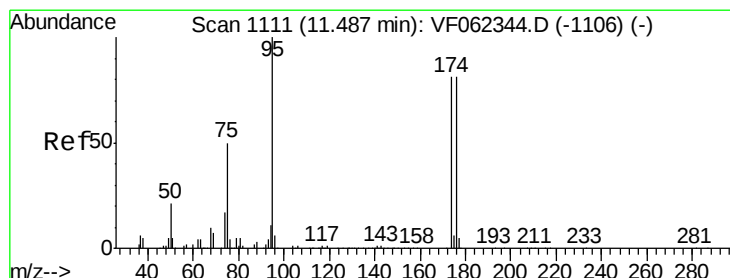
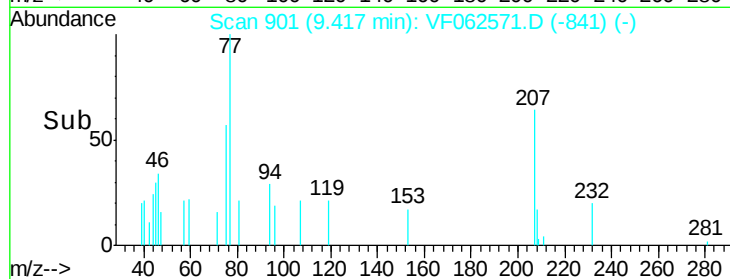
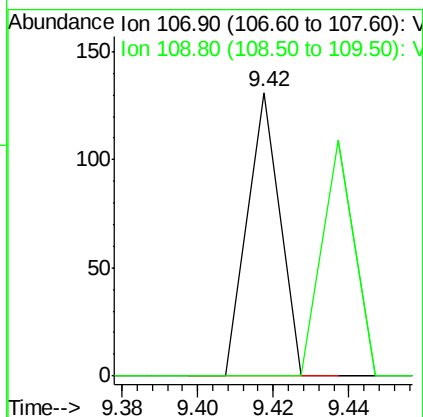
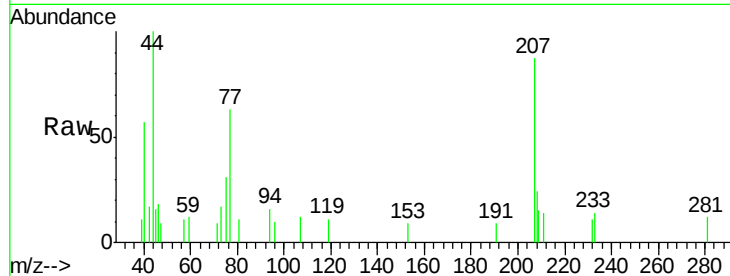




#61
 1,2-Dibromoethane
 Concen: 28.991 ug/l
 RT: 9.42 min Scan# 901
 Delta R.T. 0.30 min
 Lab File: VF062571.D
 Acq: 14 May 2019 6:22

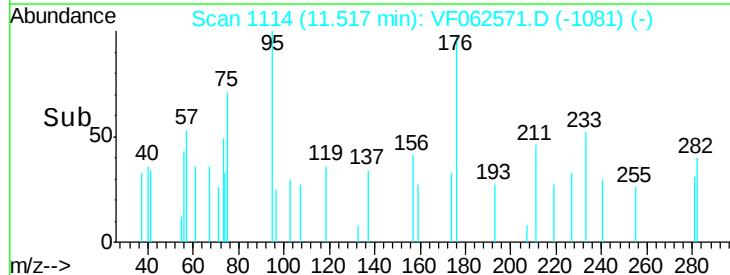
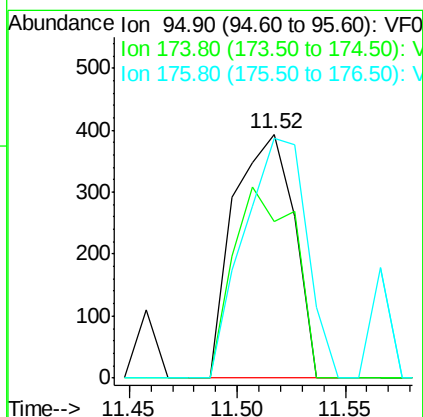
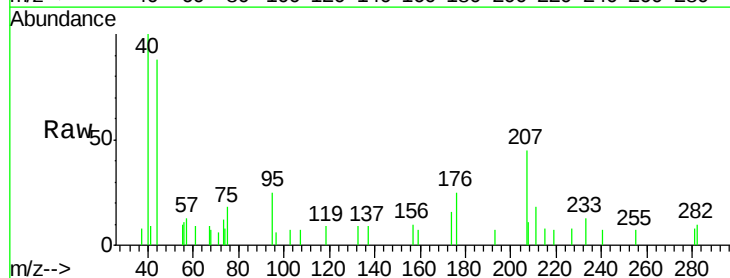
Instrument :
 MSVOA_F
 ClientSampleId :
 P021-SS008-0206-01MSD

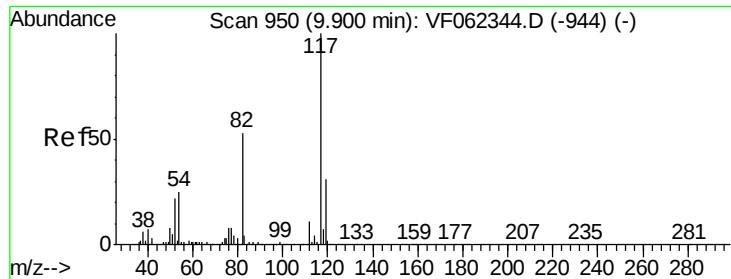
Tot Ion: 107 Resp: 77
 Ion Ratio Lower Upper
 107 100
 109 83.1 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 144.139 ug/l
 RT: 11.52 min Scan# 1114
 Delta R.T. 0.03 min
 Lab File: VF062571.D
 Acq: 14 May 2019 6:22

Tgt Ion: 95 Resp: 765
 Ion Ratio Lower Upper
 95 100
 174 79.3 0.0 191.8
 176 102.7 0.0 193.2

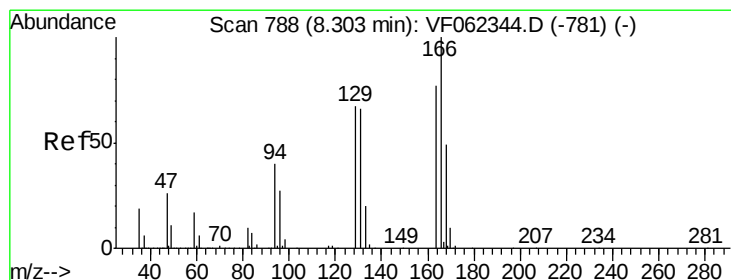
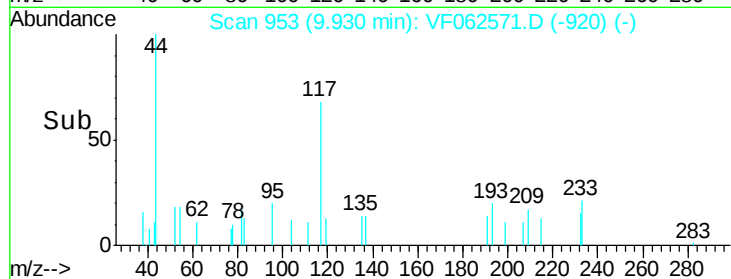
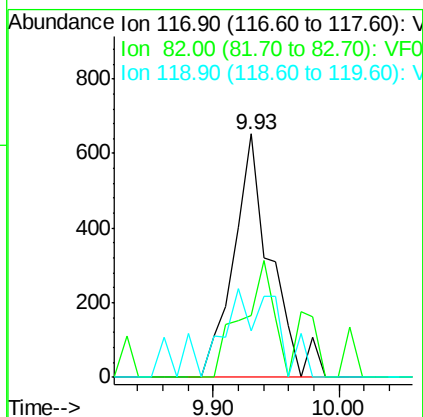
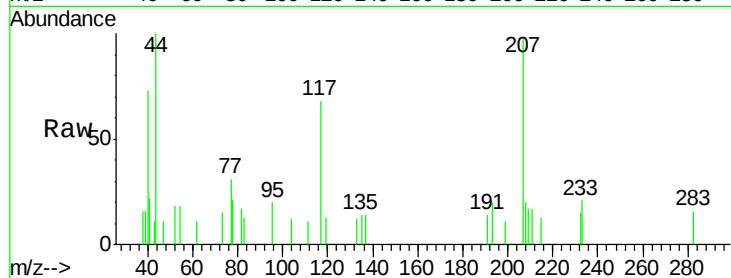




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.03 min
Lab File: VF062571.D
Acq: 14 May 2019 6:22

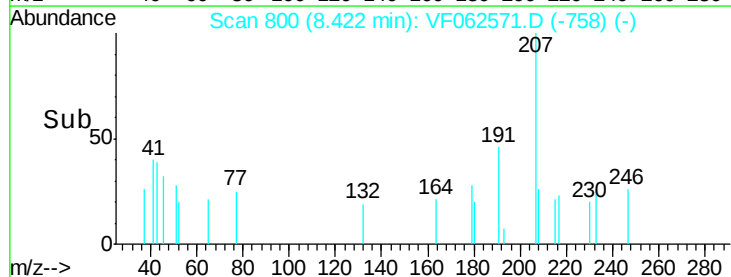
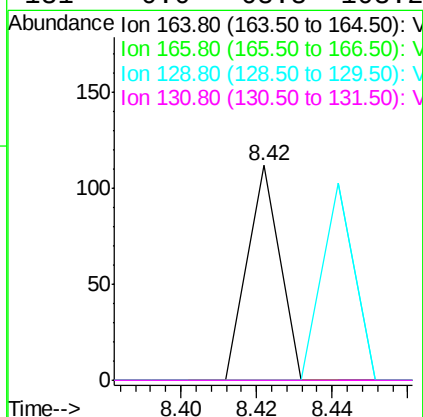
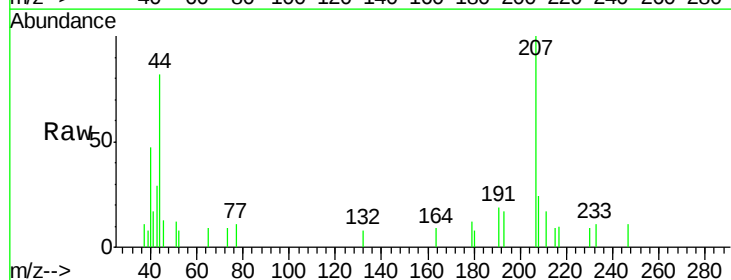
Instrument :
MSVOA_F
ClientSampleId :
P021-SS008-0206-01MSD

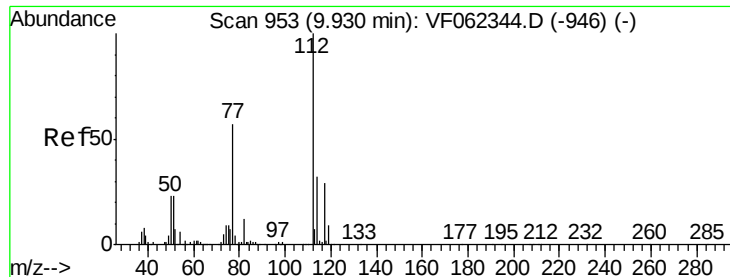
Tot Ion:117 Resp: 1319
Ion Ratio Lower Upper
117 100
82 25.3 42.2 63.2#
119 19.0 25.0 37.4#



#64
Tetrachloroethene
Concen: 6.164 ug/l
RT: 8.42 min Scan# 800
Delta R.T. 0.12 min
Lab File: VF062571.D
Acq: 14 May 2019 6:22

Tgt Ion:164 Resp: 66
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#

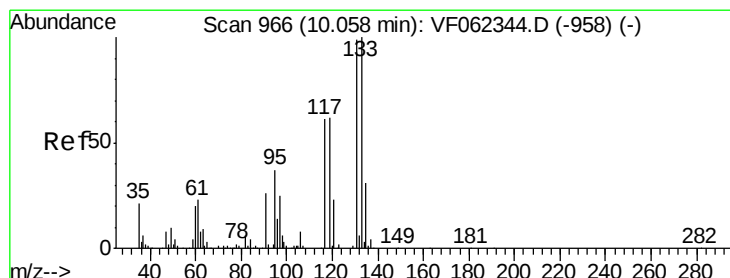
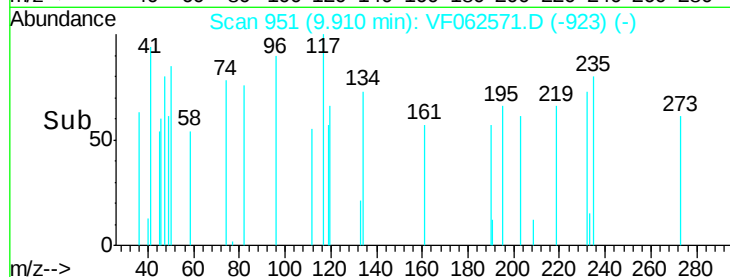
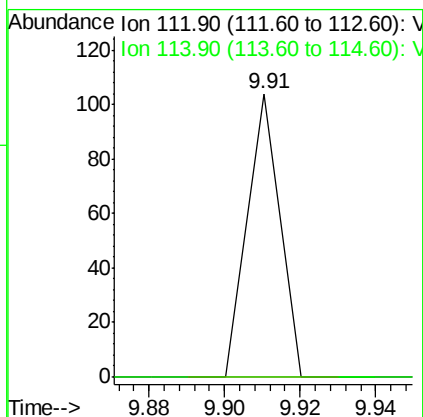
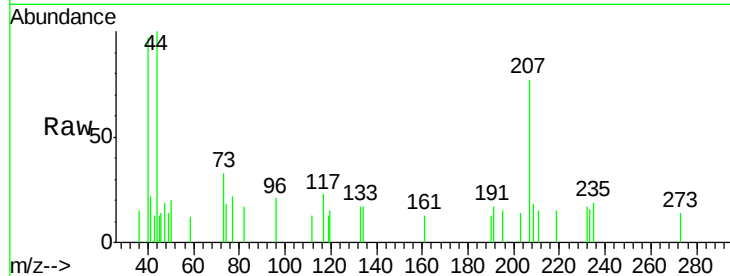




#65
Chlorobenzene
Concen: 2.841 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.02 min
Lab File: VF062571.D
Acq: 14 May 2019 6:22

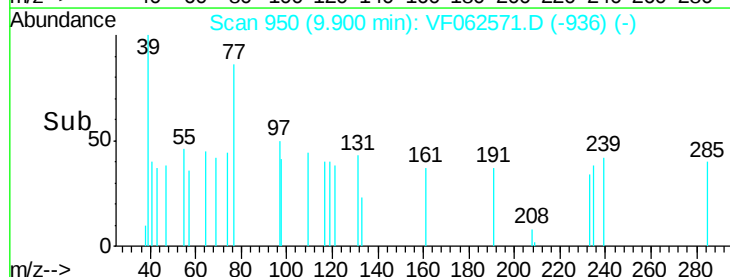
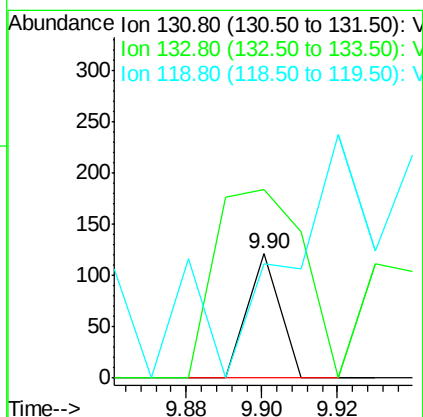
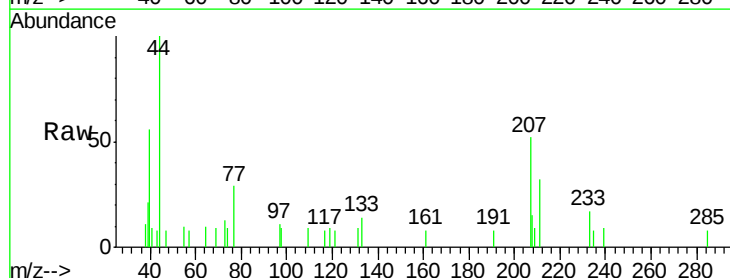
Instrument :
MSVOA_F
ClientSampleId :
P021-SS008-0206-01MSD

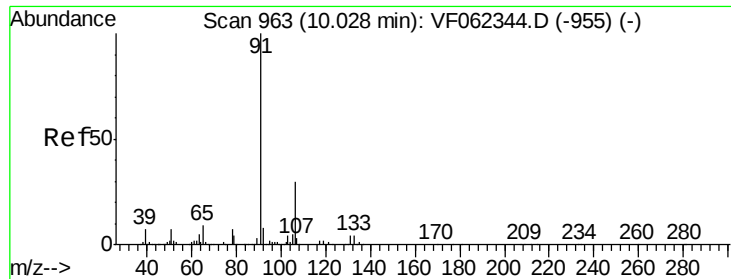
Tot Ion:112 Resp: 62
Ion Ratio Lower Upper
112 100
114 0.0 25.4 38.0#



#66
1,1,1,2-Tetrachloroethane
Concen: 6.540 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.16 min
Lab File: VF062571.D
Acq: 14 May 2019 6:22

Tgt Ion:131 Resp: 72
Ion Ratio Lower Upper
131 100
133 413.9 50.2 150.7#
119 1025.0 31.6 95.0#





#67

Ethyl Benzene

Concen: 244.170 ug/l

RT: 10.06 min Scan# 966

Delta R.T. 0.03 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

Instrument :

MSVOA_F

ClientSampleId :

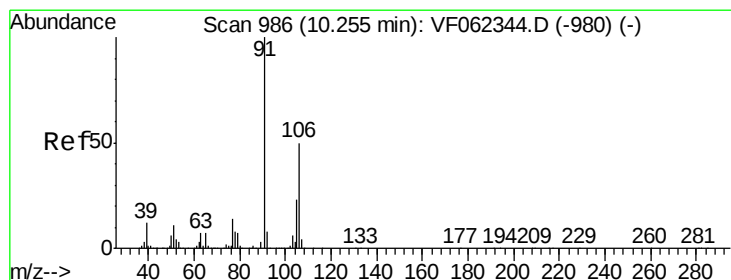
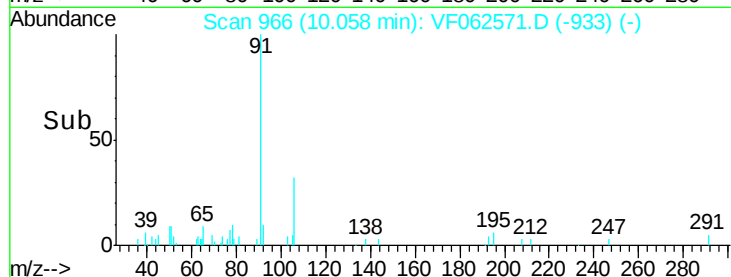
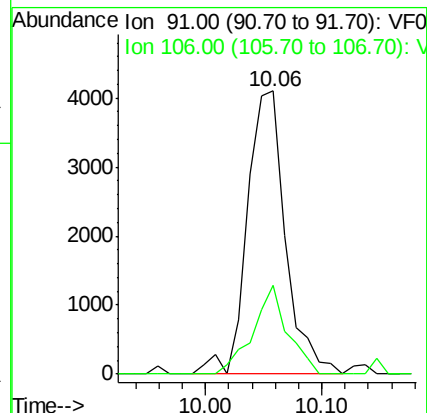
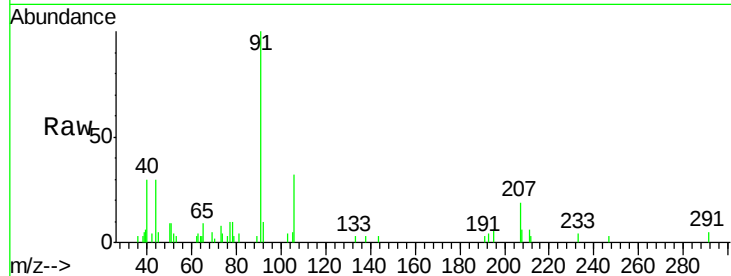
P021-SS008-0206-01MSD

Tot Ion: 91 Resp: 9331

Ion Ratio Lower Upper

91 100

106 31.5 24.1 36.1



#68

m/p-Xylenes

Concen: 35.887 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.02 min

Lab File: VF062571.D

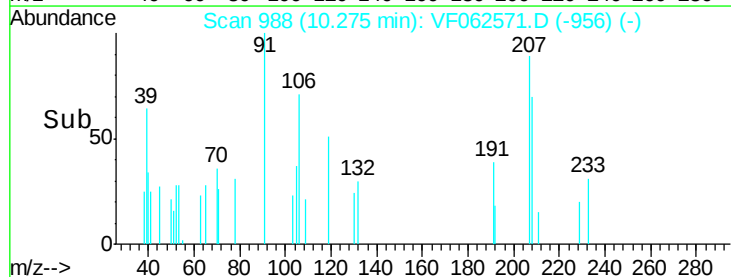
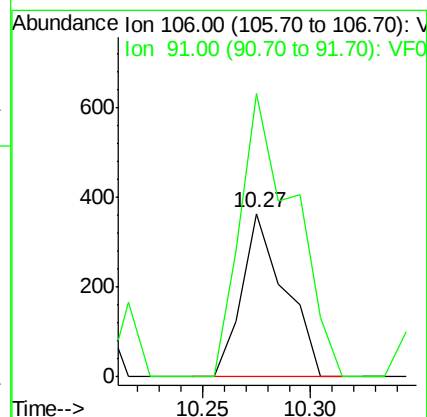
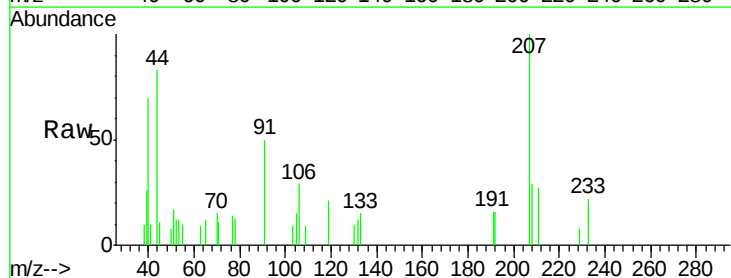
Acq: 14 May 2019 6:22

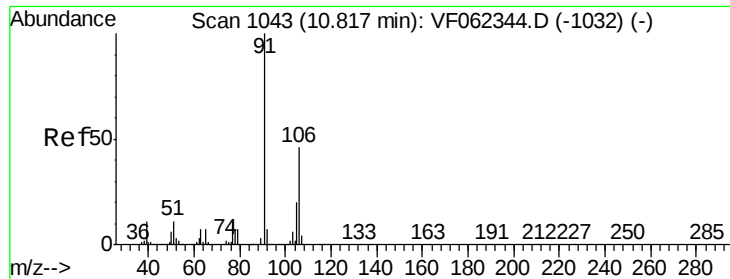
Tgt Ion: 106 Resp: 506

Ion Ratio Lower Upper

106 100

91 214.6 167.4 251.2

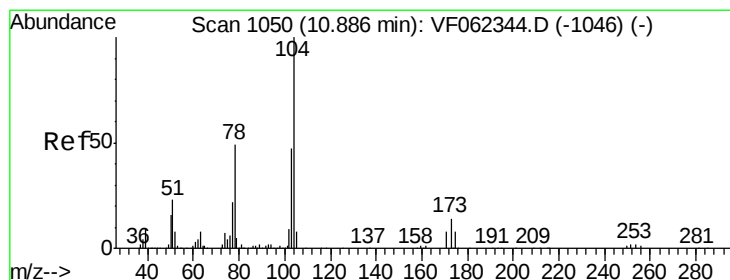
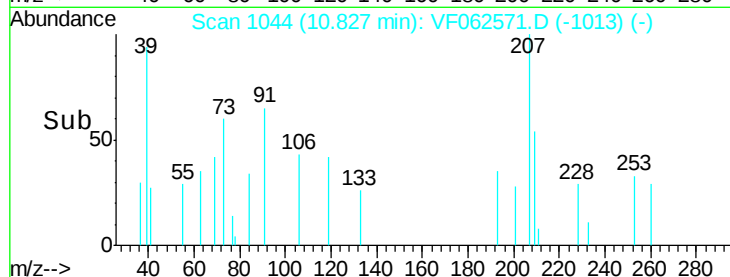
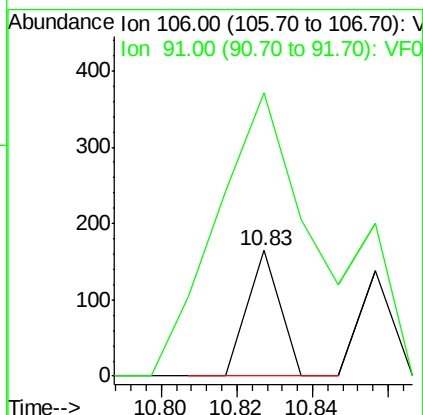
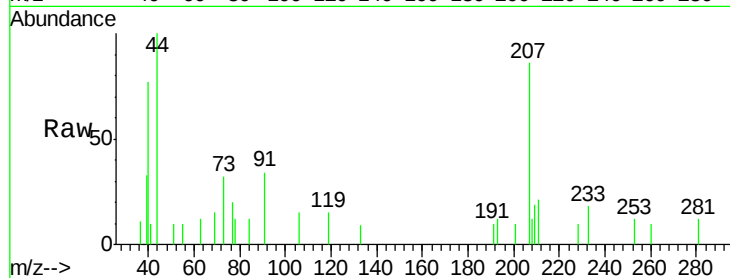




#69
o-Xylene
Concen: 6.432 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF062571.D
Acq: 14 May 2019 6:22

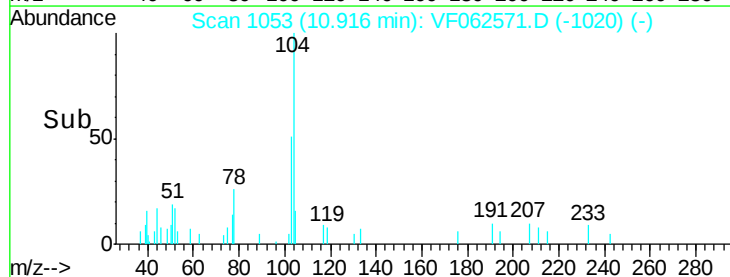
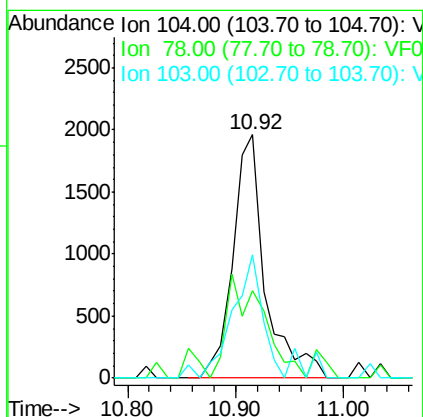
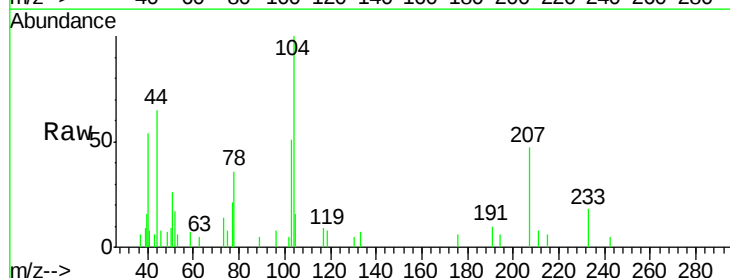
Instrument :
MSVOA_F
ClientSampleId :
P021-SS008-0206-01MSD

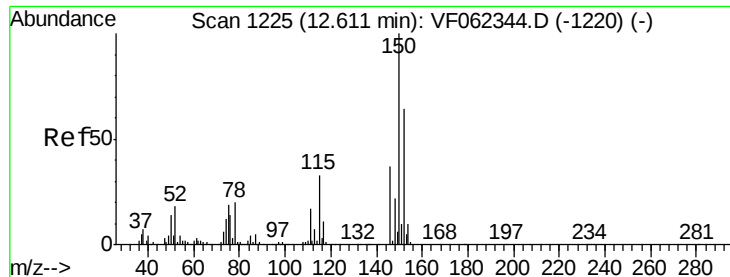
Tot Ion:106 Resp: 98
Ion Ratio Lower Upper
106 100
91 750.0 111.3 333.8#



#70
Styrene
Concen: 178.239 ug/l
RT: 10.92 min Scan# 1053
Delta R.T. 0.03 min
Lab File: VF062571.D
Acq: 14 May 2019 6:22

Tgt Ion:104 Resp: 4070
Ion Ratio Lower Upper
104 100
78 47.8 39.5 59.3
103 46.9 38.4 57.6



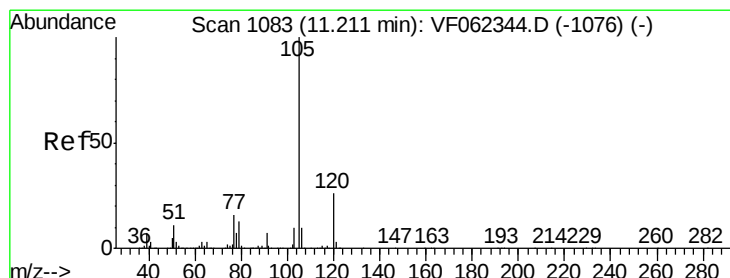
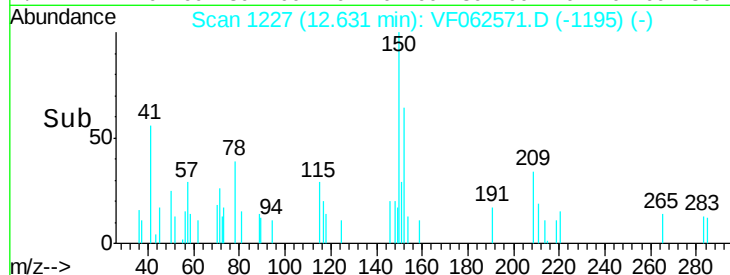
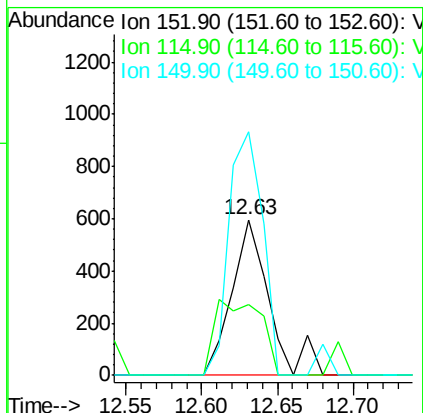
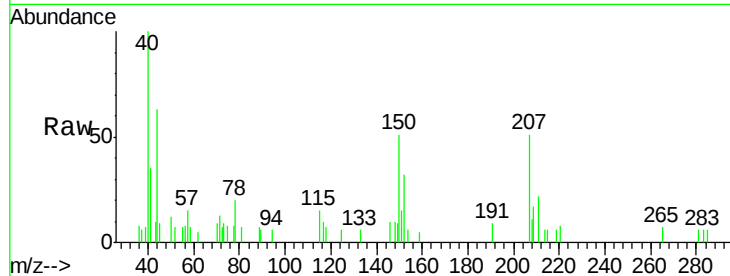


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. 0.02 min
Lab File: VF062571.D
Acq: 14 May 2019 6:22

Instrument :
MSVOA_F
ClientSampleId :
P021-SS008-0206-01MSD

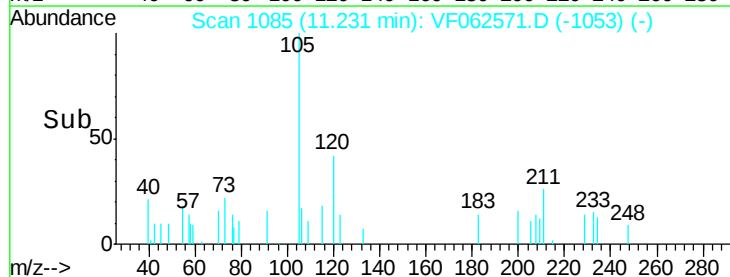
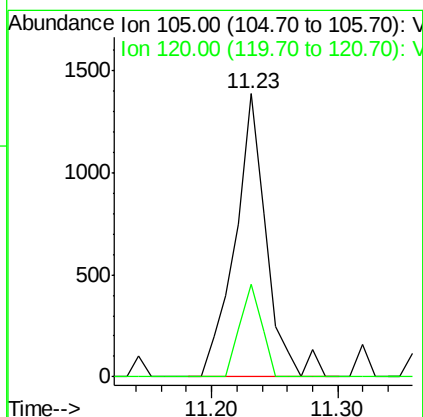
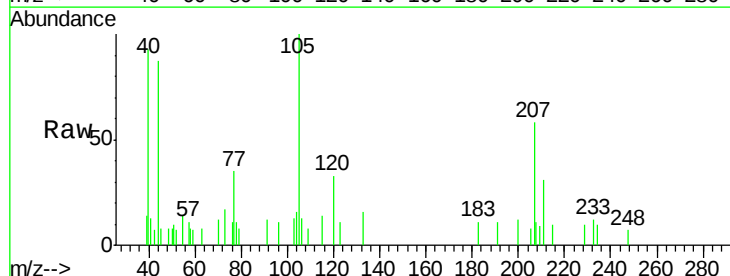
Tot Ion	Ratio	Lower	Upper
152	100		
115	59.7	26.4	79.2
150	139.7	0.0	335.0

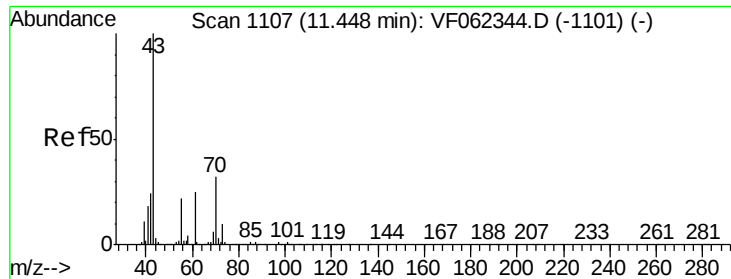


#73

Isopropylbenzene
Concen: 38.939 ug/l
RT: 11.23 min Scan# 1085
Delta R.T. 0.02 min
Lab File: VF062571.D
Acq: 14 May 2019 6:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	22.5	12.7	38.0





#74

N-amvl acetate

Concen: 18.519 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

Instrument :

MSVOA_F

ClientSampleId :

P021-SS008-0206-01MSD

Tot Ion: 43 Resp: 243

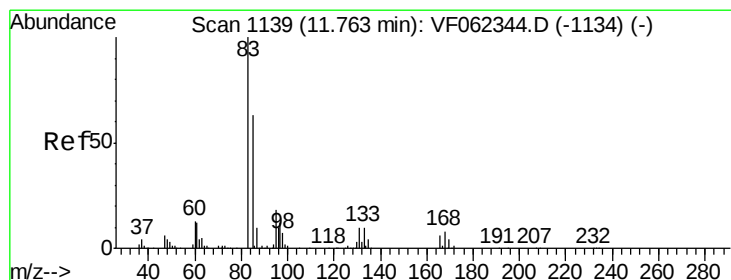
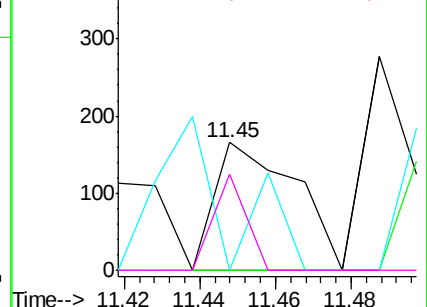
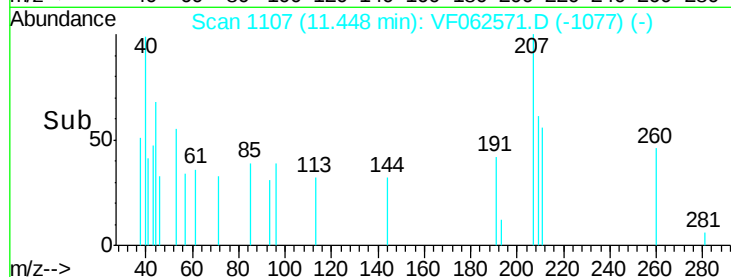
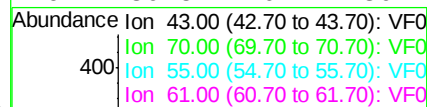
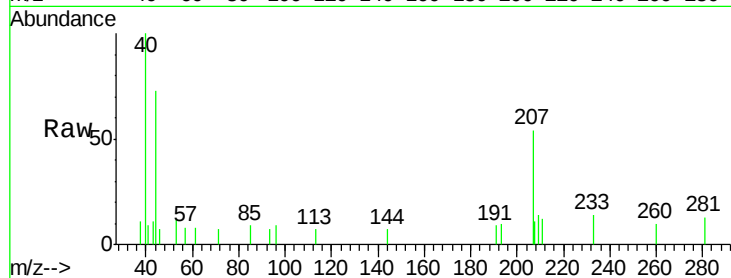
Ion Ratio Lower Upper

43 100

70 0.0 26.5 39.7#

55 107.4 17.8 26.6#

61 30.5 20.2 30.2#



#75

1,1,2,2-Tetrachloroethane

Concen: 6.687 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.02 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

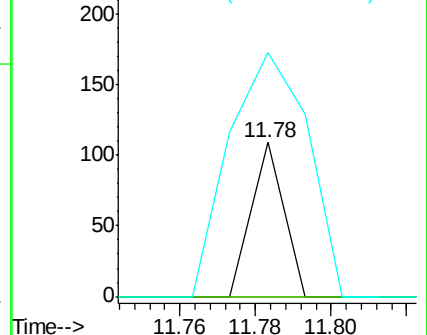
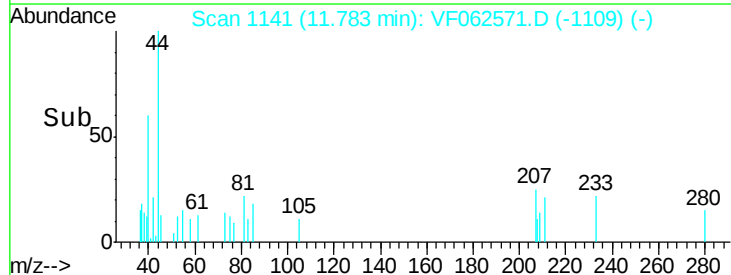
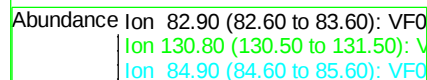
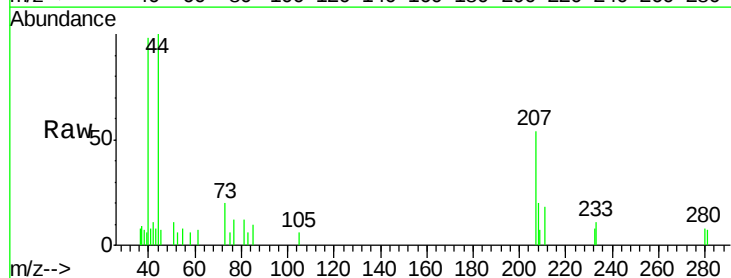
Tgt Ion: 83 Resp: 64

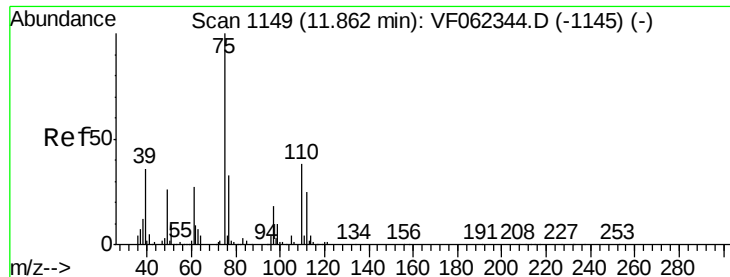
Ion Ratio Lower Upper

83 100

131 0.0 5.8 17.4#

85 387.5 35.3 105.7#





#76

1,2,3-Trichloropropane

Concen: 9.724 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. 0.01 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

Instrument :

MSVOA_F

ClientSampleId :

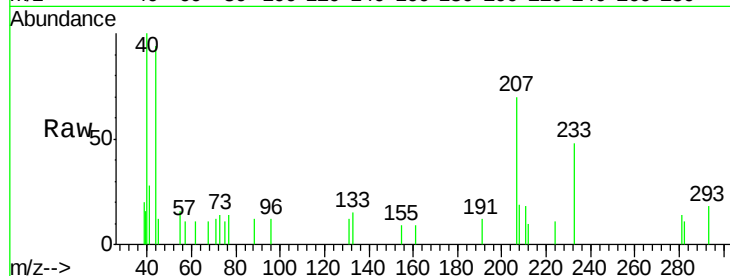
P021-SS008-0206-01MSD

Tot Ion: 75 Resp: 71

Ion Ratio Lower Upper

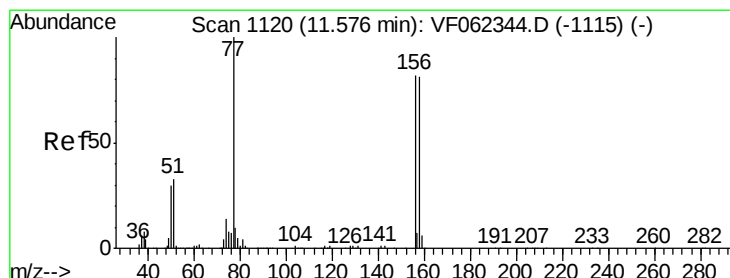
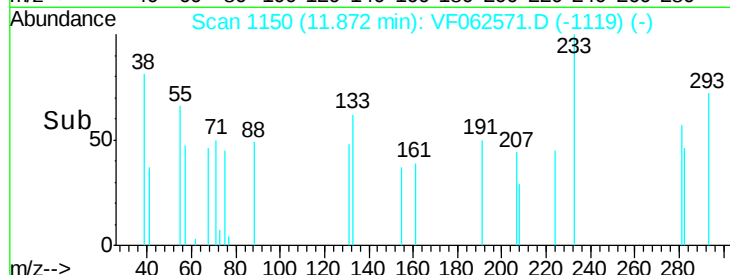
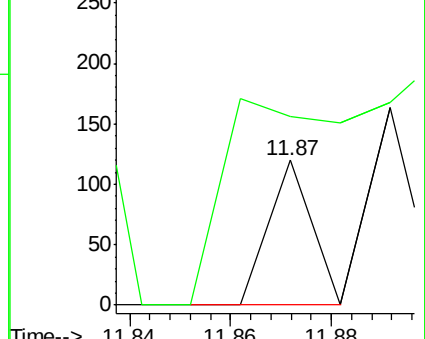
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0



#77

Bromobenzene

Concen: 5.112 ug/l

RT: 11.61 min Scan# 1123

Delta R.T. 0.03 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

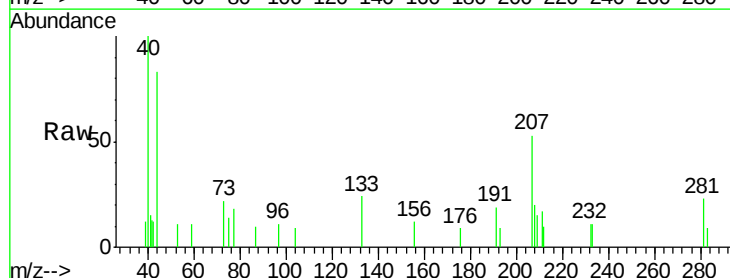
Tgt Ion: 156 Resp: 82

Ion Ratio Lower Upper

156 100

77 406.1 64.8 194.3#

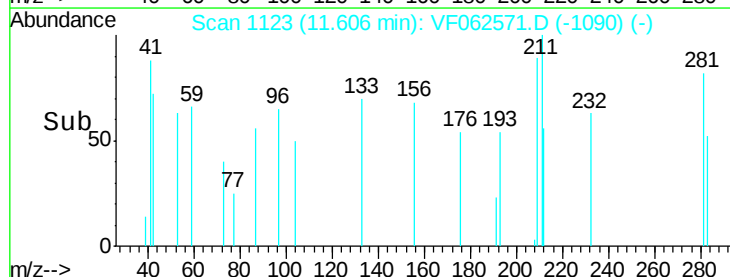
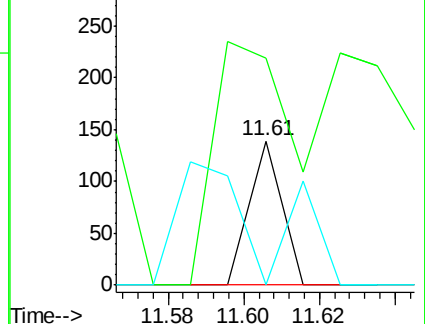
158 234.1 49.1 147.3#

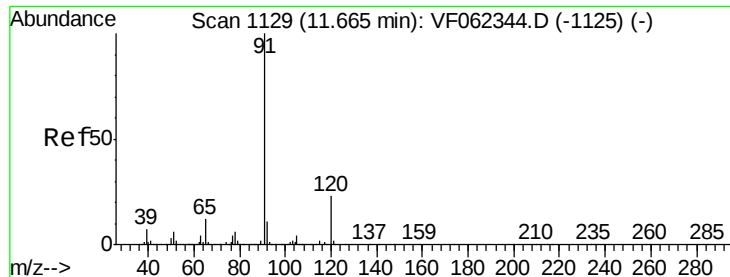


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 27.123 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.02 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

Instrument :

MSVOA_F

ClientSampleId :

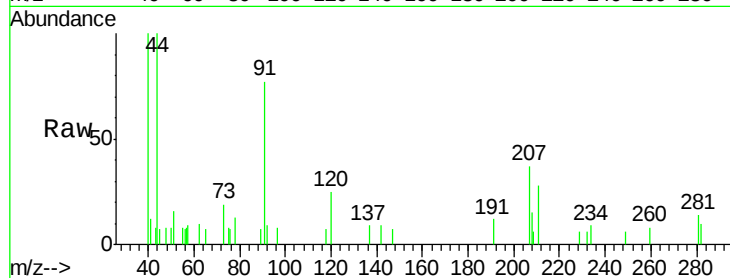
P021-SS008-0206-01MSD

Tot Ion: 91 Resp: 1765

Ion Ratio Lower Upper

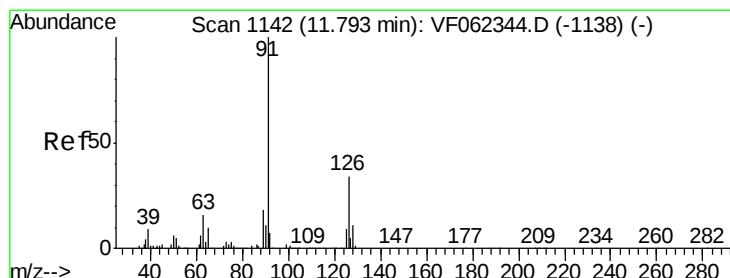
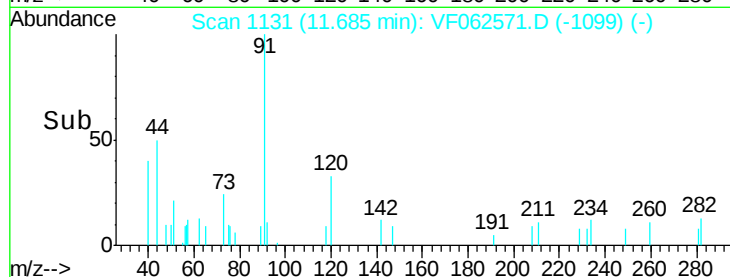
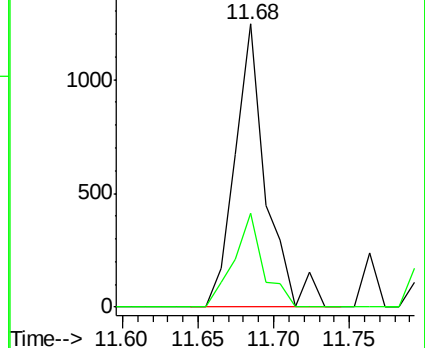
91 100

120 31.6 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 3.534 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.03 min

Lab File: VF062571.D

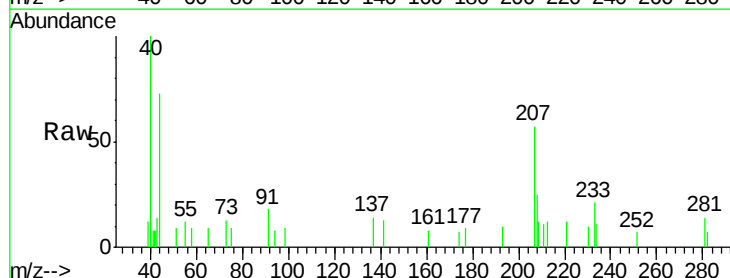
Acq: 14 May 2019 6:22

Tgt Ion: 91 Resp: 143

Ion Ratio Lower Upper

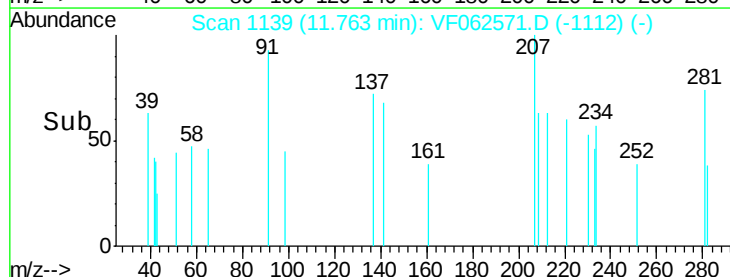
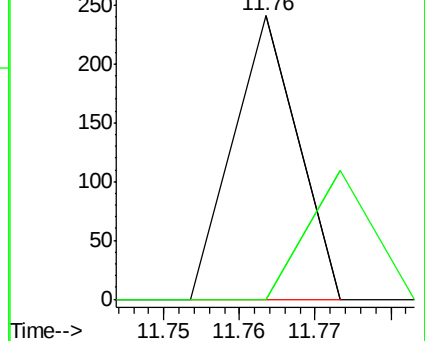
91 100

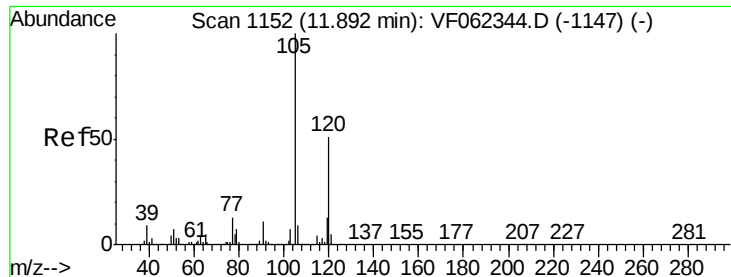
126 45.5 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 15.138 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.09 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

Instrument :

MSVOA_F

ClientSampleId :

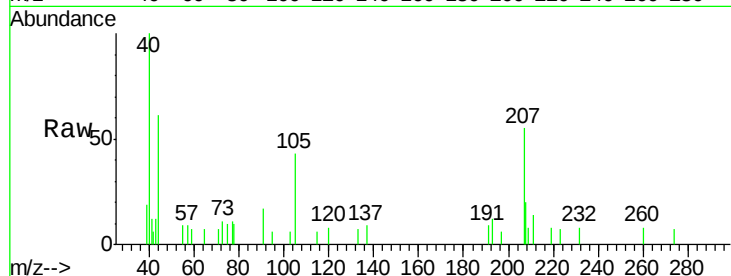
P021-SS008-0206-01MSD

Tot Ion:105 Resp: 811

Ion Ratio Lower Upper

105 100

120 30.3 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.80

800

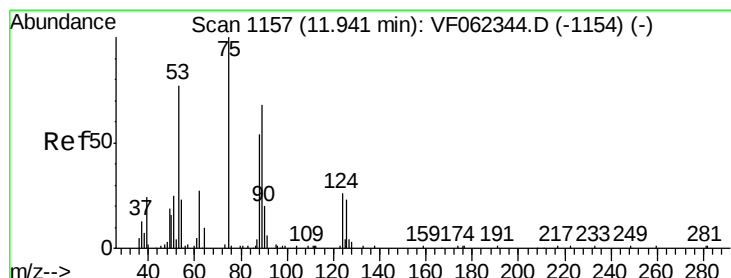
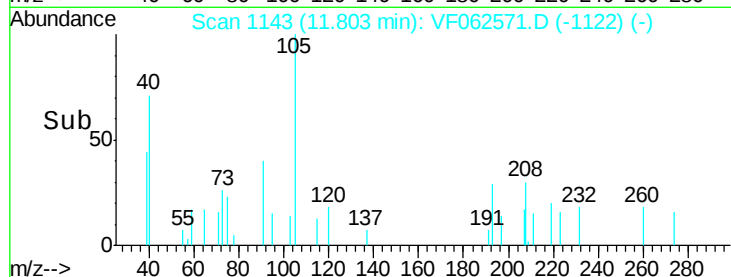
600

400

200

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 30.971 ug/l

RT: 12.02 min Scan# 1165

Delta R.T. 0.08 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

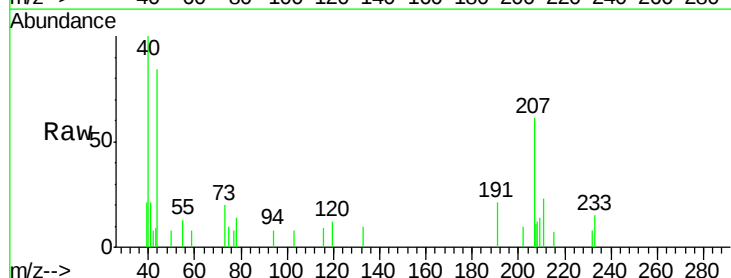
Tgt Ion: 75 Resp: 85

Ion Ratio Lower Upper

75 100

53 77.6 71.9 107.9

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0

200

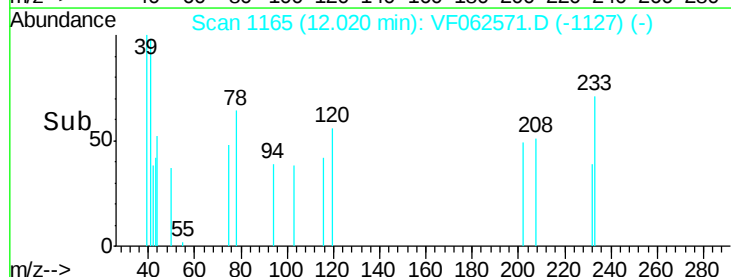
150

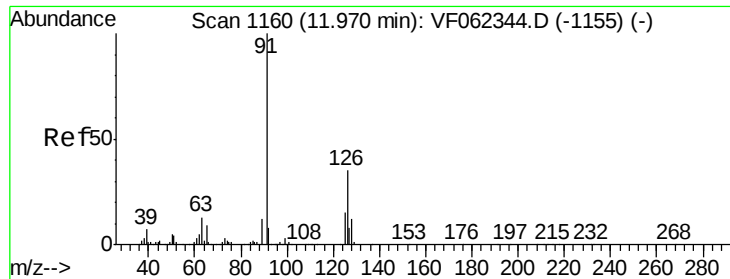
100

50

0

Time-->

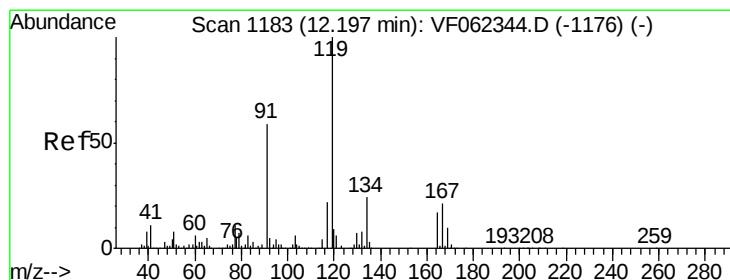
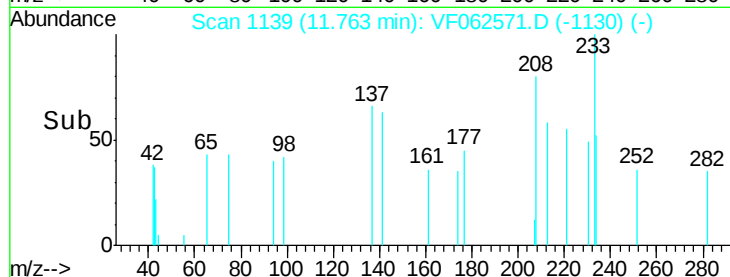
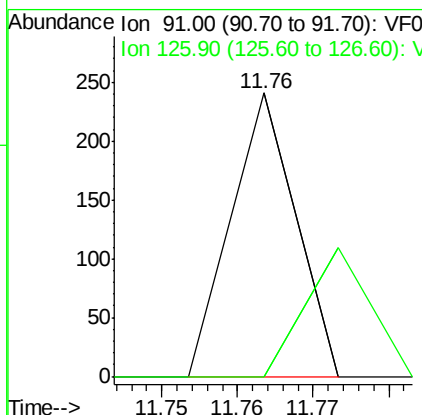
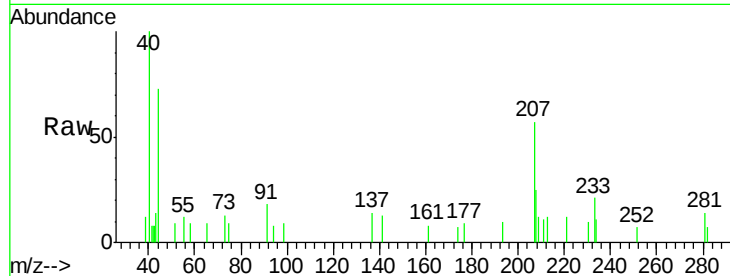




#82
4-Chlorotoluene
Concen: 3.578 ug/l
RT: 11.76 min Scan# 1139
Delta R.T. -0.21 min
Lab File: VF062571.D
Acq: 14 May 2019 6:22

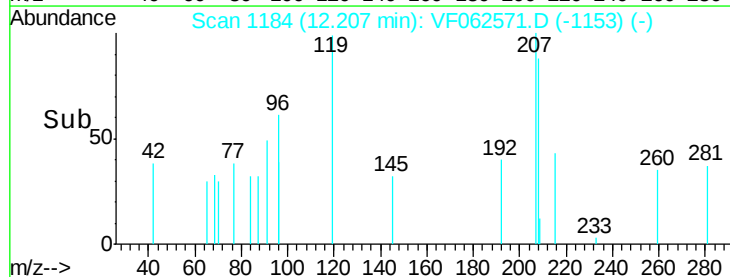
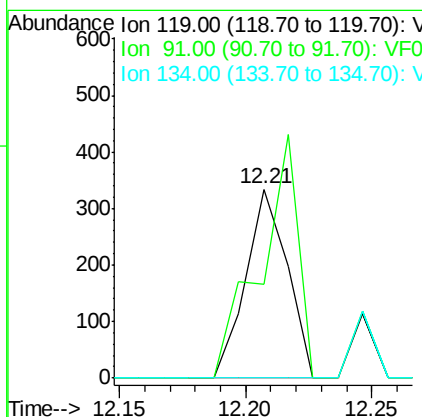
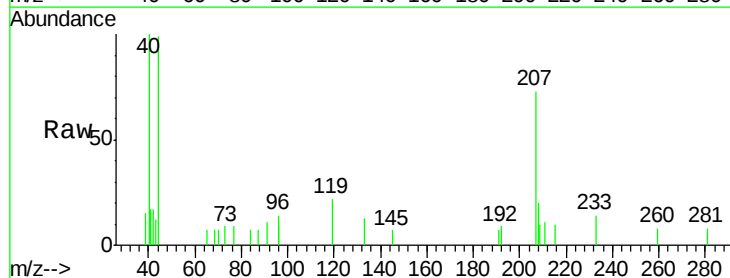
Instrument :
MSVOA_F
ClientSampleId :
P021-SS008-0206-01MSD

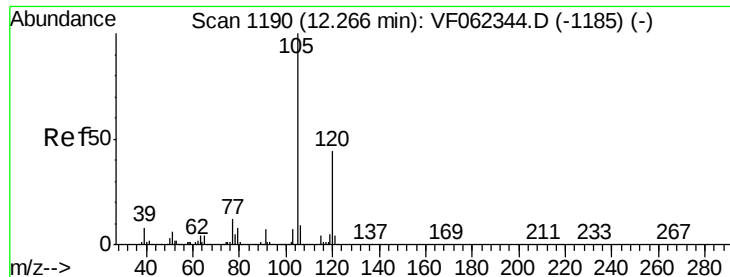
Tot Ion: 91 Resp: 143
Ion Ratio Lower Upper
91 100
126 45.5 17.7 53.1



#83
tert-Butylbenzene
Concen: 6.767 ug/l
RT: 12.21 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VF062571.D
Acq: 14 May 2019 6:22

Tgt Ion: 119 Resp: 381
Ion Ratio Lower Upper
119 100
91 119.4 30.4 91.3#
134 0.0 11.9 35.7#

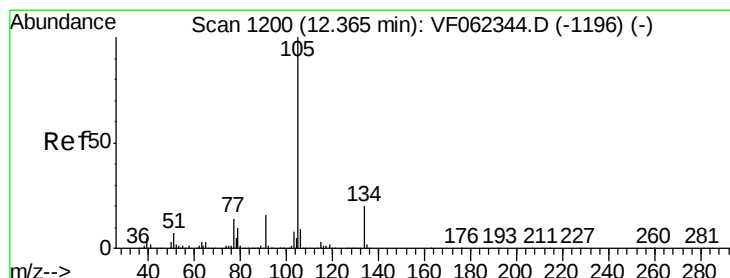
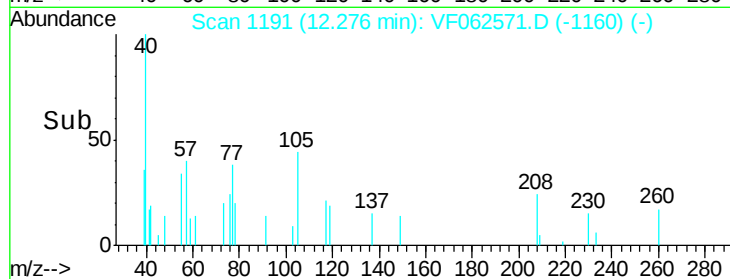
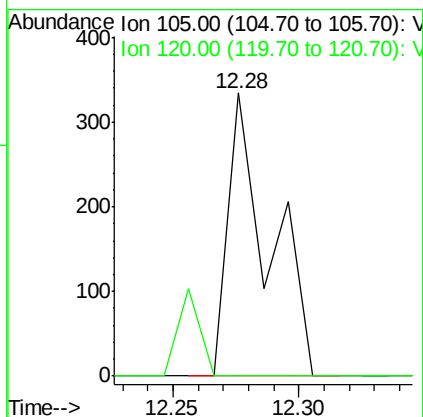
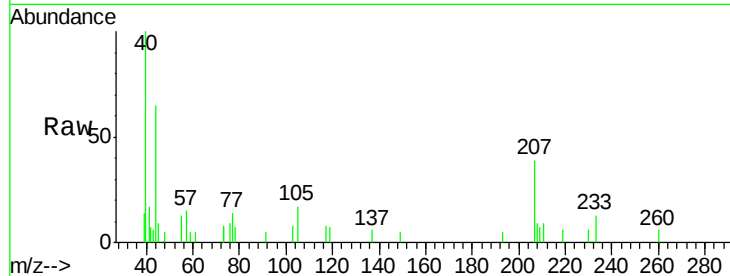




#84
 1,2,4-Trimethylbenzene
 Concen: 7.248 ug/l
 RT: 12.28 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VF062571.D
 Acq: 14 May 2019 6:22

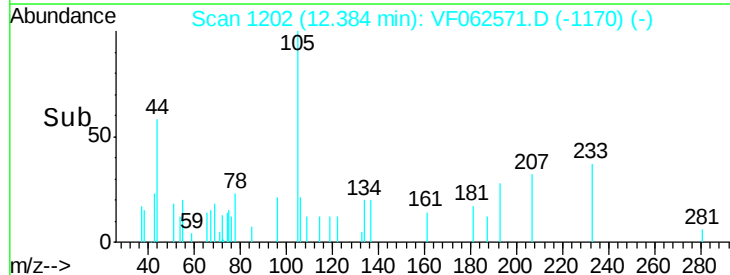
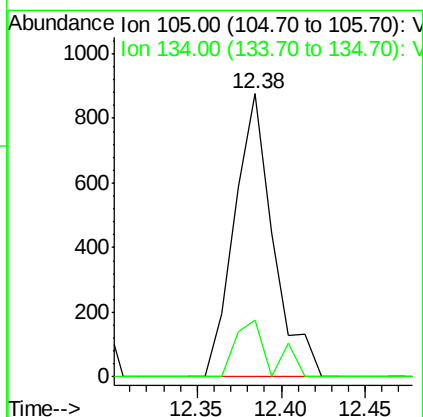
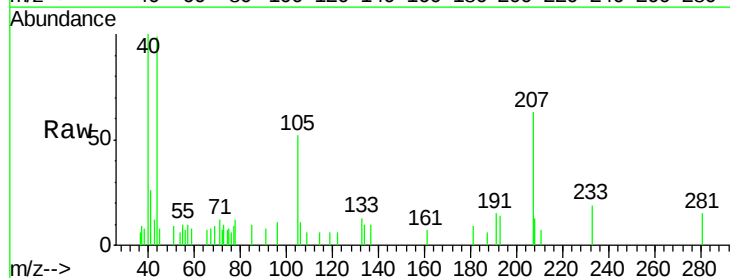
Instrument :
 MSVOA_F
 ClientSampleId :
 P021-SS008-0206-01MSD

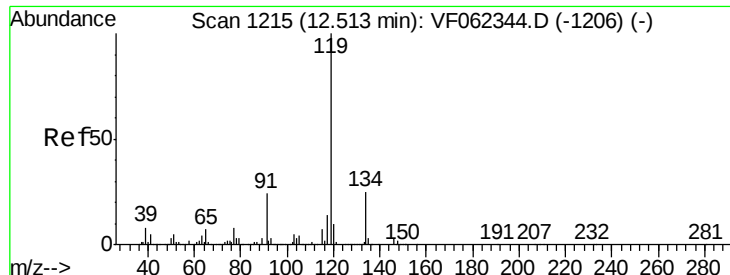
Tot Ion:105 Resp: 380
 Ion Ratio Lower Upper
 105 100
 120 16.1 22.6 67.7#



#85
 sec-Butylbenzene
 Concen: 20.371 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. 0.02 min
 Lab File: VF062571.D
 Acq: 14 May 2019 6:22

Tgt Ion:105 Resp: 1396
 Ion Ratio Lower Upper
 105 100
 134 17.8 9.8 29.5

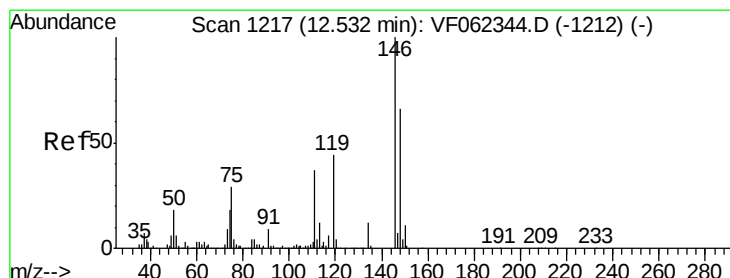
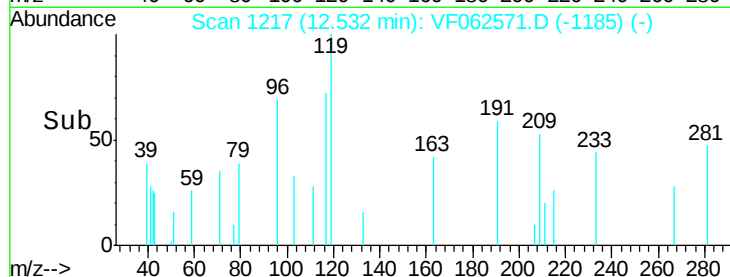
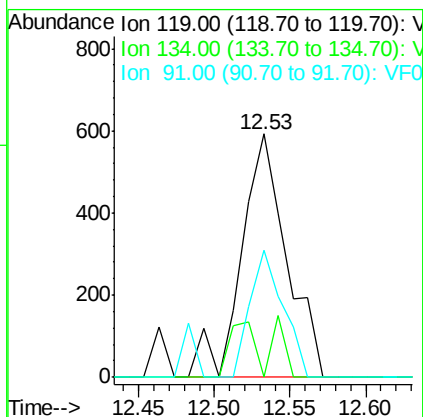
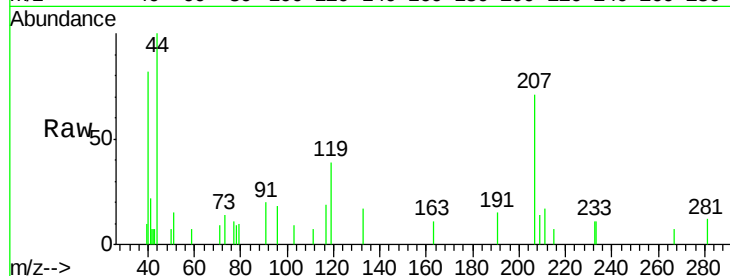




#86
p-Isopropyltoluene
Concen: 19.397 ug/l
RT: 12.53 min Scan# 1217
Delta R.T. 0.02 min
Lab File: VF062571.D
Acq: 14 May 2019 6:22

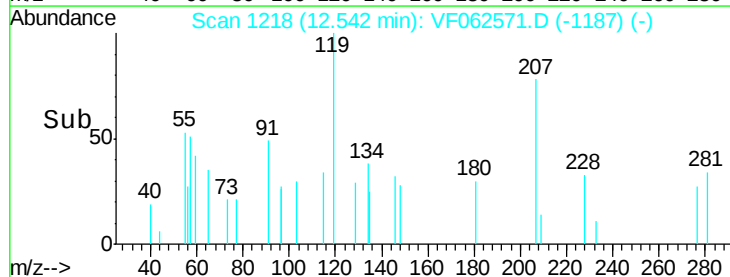
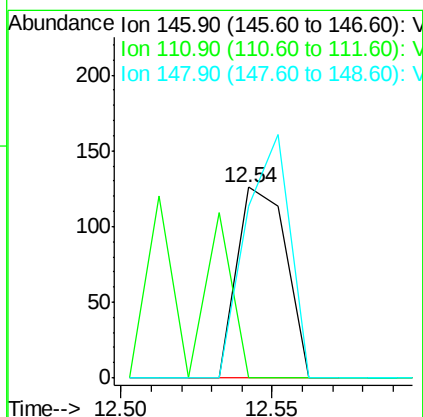
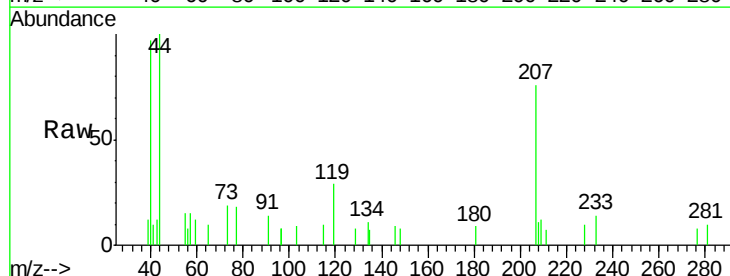
Instrument :
MSVOA_F
ClientSampleId :
P021-SS008-0206-01MSD

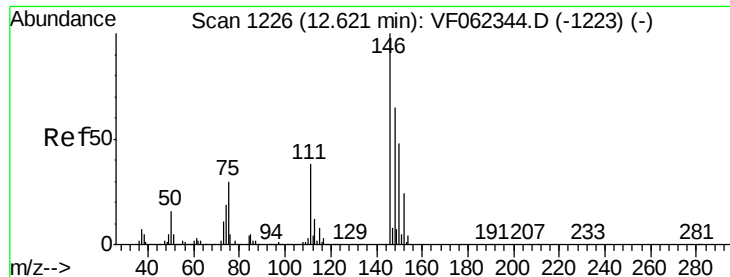
Tot Ion	Ratio	Lower	Upper
119	100		
134	12.5	12.9	38.7#
91	38.3	12.3	36.8#



#87
1,3-Dichlorobenzene
Concen: 4.813 ug/l
RT: 12.54 min Scan# 1218
Delta R.T. 0.01 min
Lab File: VF062571.D
Acq: 14 May 2019 6:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	18.3	54.8#
148	114.9	32.3	96.9#





#88

1,4-Dichlorobenzene

Concen: 7.179 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. 0.01 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

Instrument :

MSVOA_F

ClientSampleId :

P021-SS008-0206-01MSD

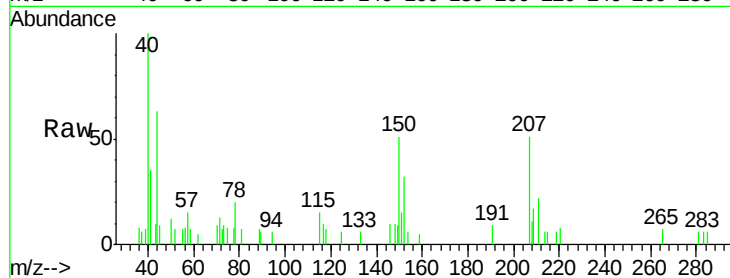
Tot Ion:146 Resp: 203

Ion Ratio Lower Upper

146 100

111 36.9 18.8 56.3

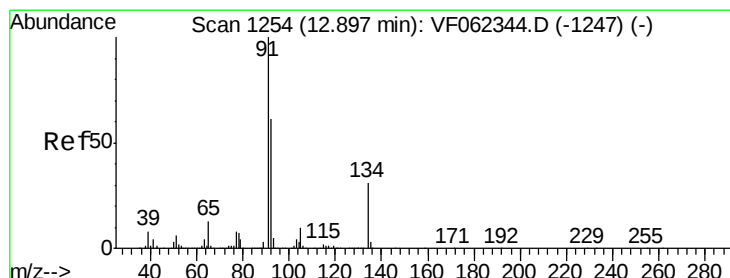
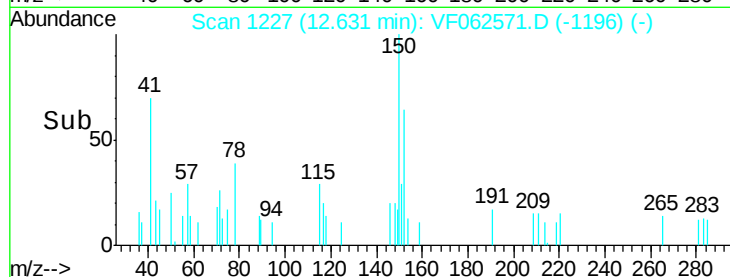
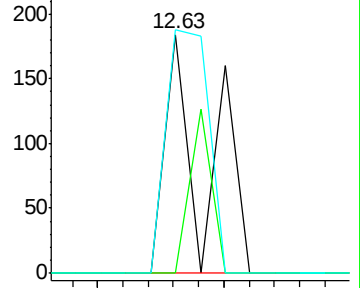
148 107.9 32.2 96.6#



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: 7.644 ug/l

RT: 12.91 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

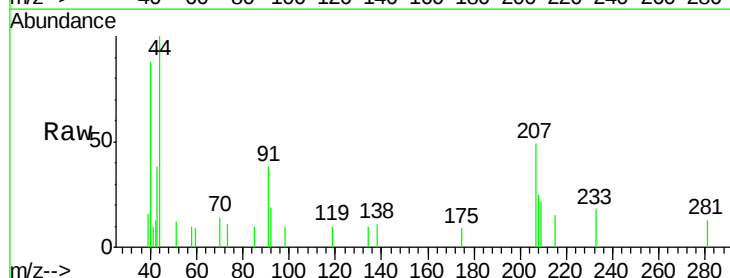
Tgt Ion: 91 Resp: 433

Ion Ratio Lower Upper

91 100

92 106.5 30.0 90.0#

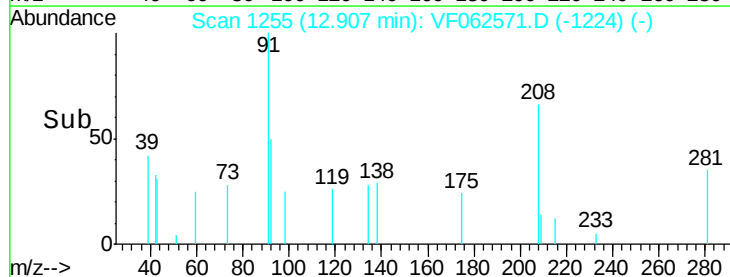
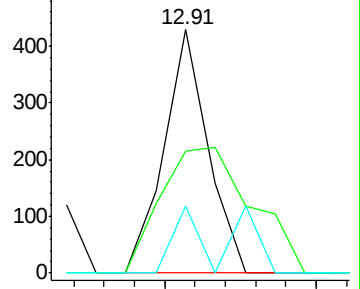
134 32.1 14.1 42.4

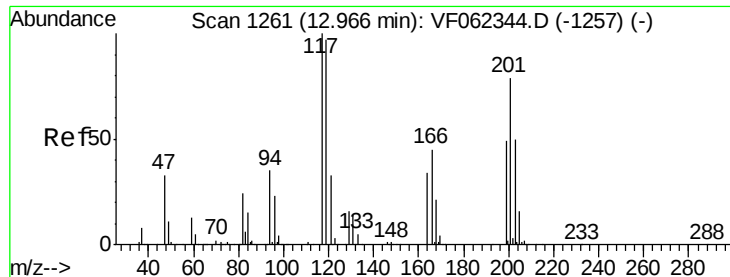


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 4.781 ug/l

RT: 12.98 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

Instrument :

MSVOA_F

ClientSampleId :

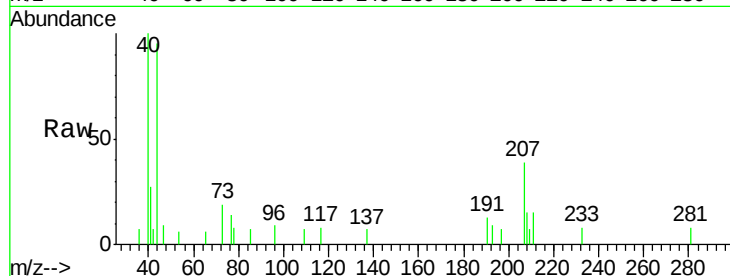
P021-SS008-0206-01MSD

Tot Ion:117 Resp: 76

Ion Ratio Lower Upper

117 100

201 109.2 46.2 138.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

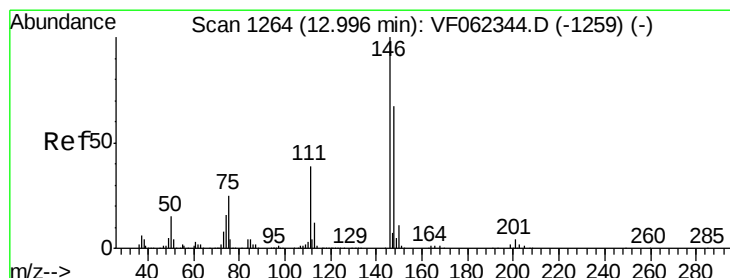
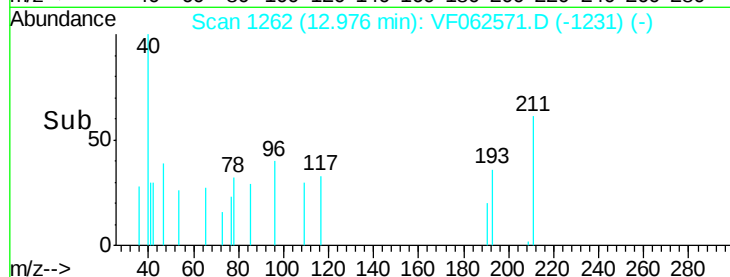
12.98

100

50

0

Time--> 12.94 12.96 12.98 13.00



#91

1,2-Dichlorobenzene

Concen: 4.867 ug/l

RT: 13.01 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

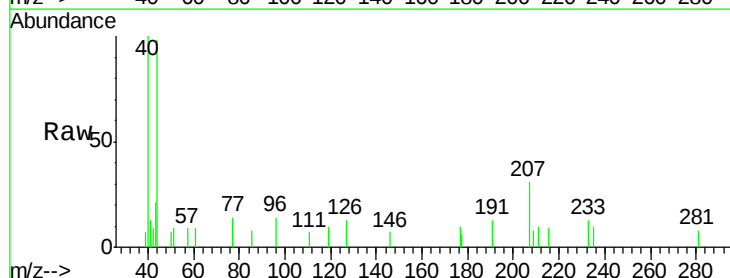
Tgt Ion:146 Resp: 138

Ion Ratio Lower Upper

146 100

111 47.8 20.0 60.0

148 0.0 33.1 99.5#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

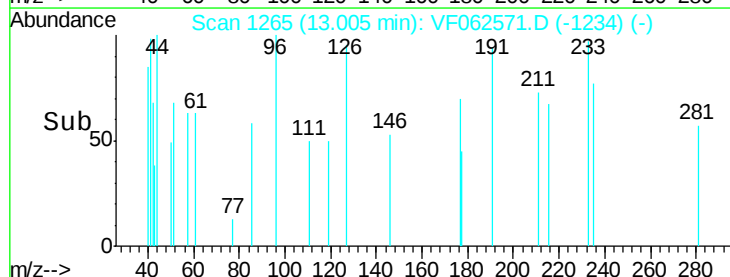
13.01

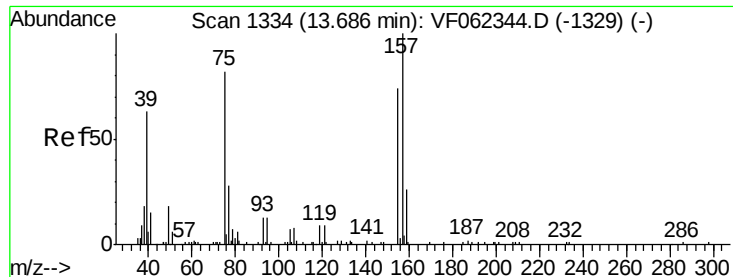
100

50

0

Time--> 13.00 13.05





#92

1,2-Dibromo-3-Chloropropane

Concen: 27.985 ug/l

RT: 13.70 min Scan# 1335

Delta R.T. 0.01 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

Instrument :

MSVOA_F

ClientSampleId :

P021-SS008-0206-01MSD

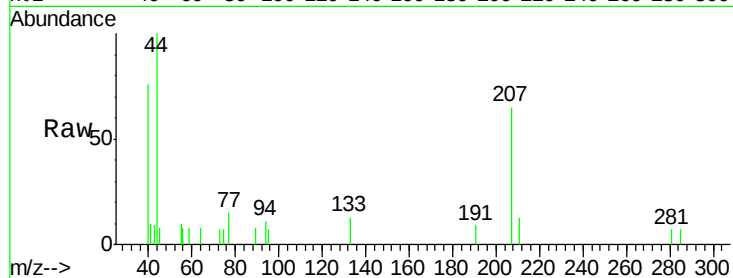
Tot Ion: 75 Resp: 60

Ion Ratio Lower Upper

75 100

155 0.0 51.8 155.4#

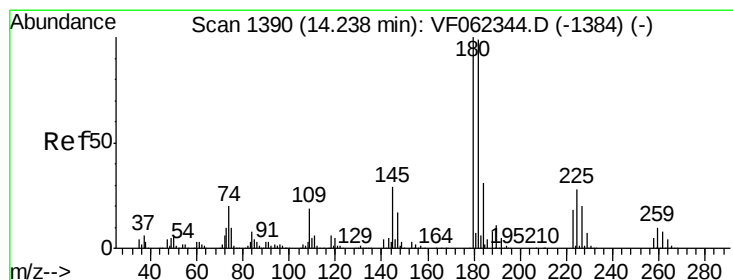
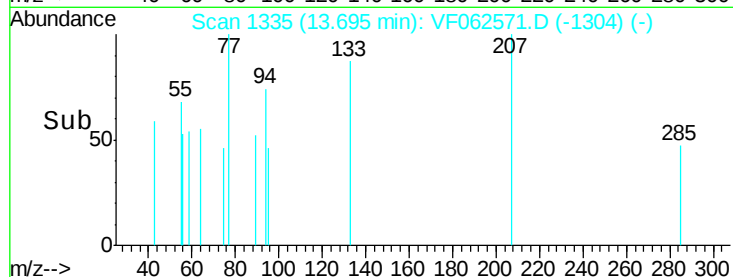
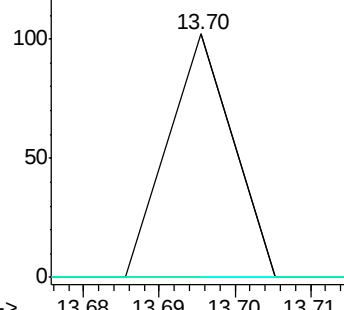
157 0.0 67.3 201.8#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 15.137 ug/l

RT: 14.25 min Scan# 1391

Delta R.T. 0.01 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

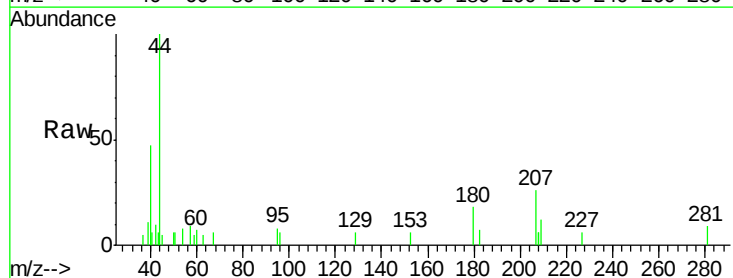
Tgt Ion: 180 Resp: 385

Ion Ratio Lower Upper

180 100

182 62.3 49.0 147.0

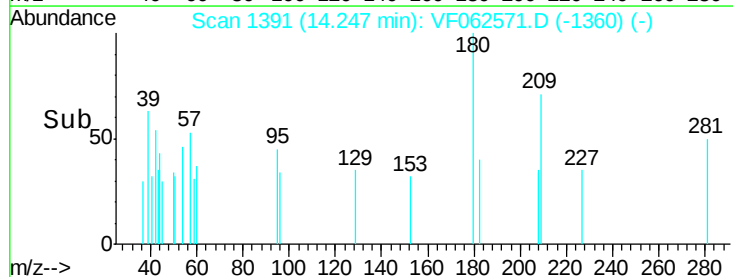
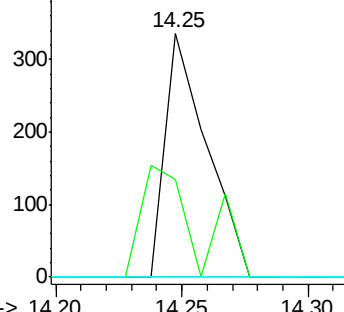
145 0.0 16.7 50.1#

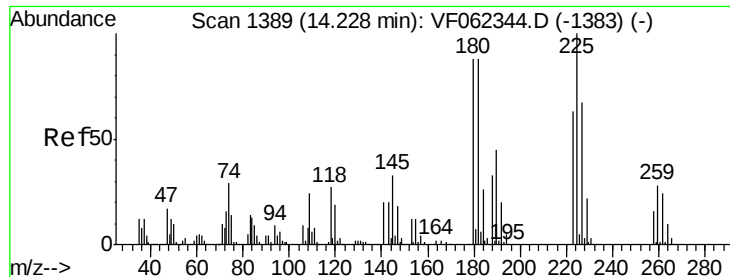


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 3.640 ug/l

RT: 14.13 min Scan# 1379

Delta R.T. -0.10 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

Instrument :

MSVOA_F

ClientSampleId :

P021-SS008-0206-01MSD

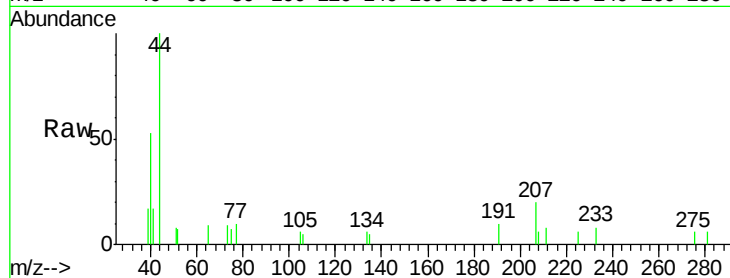
Tot Ion:225 Resp: 69

Ion Ratio Lower Upper

225 100

223 0.0 31.9 95.5#

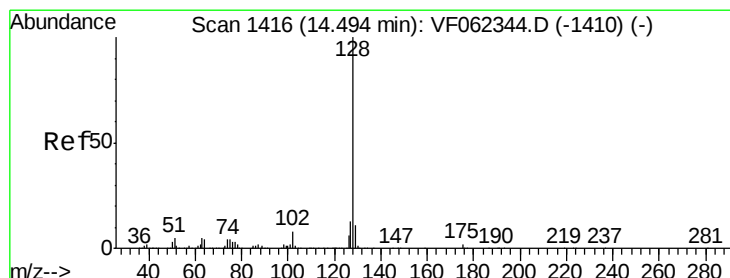
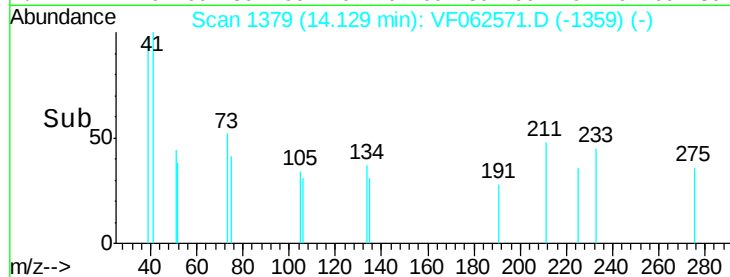
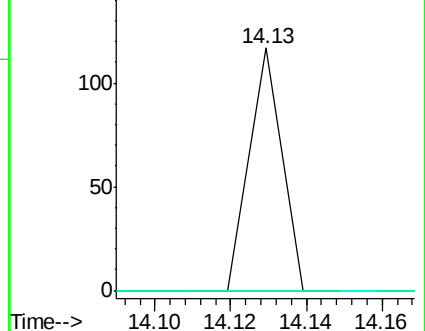
227 0.0 33.1 99.5#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 36.272 ug/l

RT: 14.51 min Scan# 1418

Delta R.T. 0.02 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

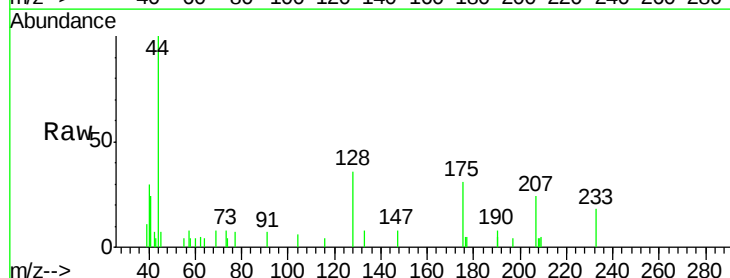
Tgt Ion:128 Resp: 1387

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

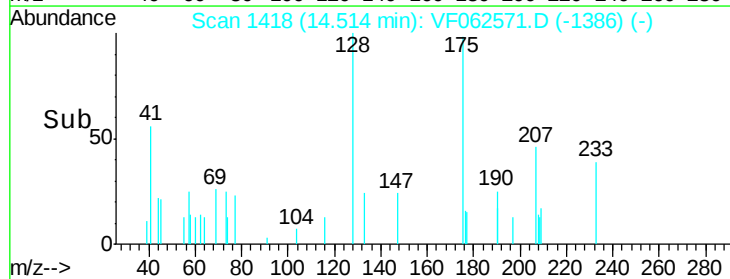
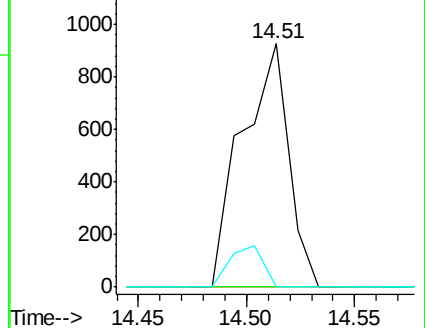
129 12.1 8.6 12.8

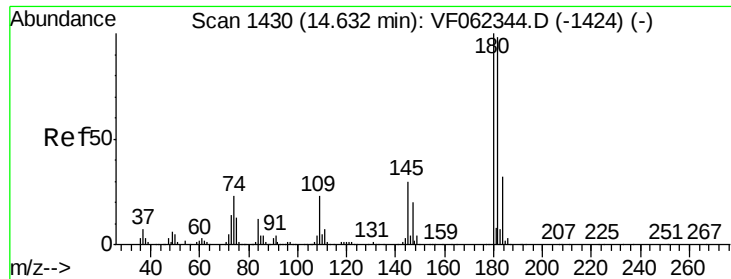


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 14.123 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.02 min

Lab File: VF062571.D

Acq: 14 May 2019 6:22

Instrument :

MSVOA_F

ClientSampleId :

P021-SS008-0206-01MSD

Tot Ion:180 Resp: 348

Ion Ratio Lower Upper

180 100

182 65.5 49.4 148.0

145 0.0 14.8 44.3#

