

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051119\
 Data File : VF062486.D
 Acq On : 12 May 2019 4:47
 Operator : FY/SY
 Sample : K2756-03
 Misc : 5.70µ/5mL/MSVOA F/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P021-SS005-0612-01

Quant Time: May 12 05:22:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	882	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.79	114	250	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.74	117	148	50.00	ug/l	-0.16
72) 1,4-Dichlorobenzene-d4	12.46	152	62	50.00	ug/l	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.06	65	110	13.20	ug/l	0.03
Spiked Amount 50.000			Recovery =	26.40%		
35) Dibromofluoromethane	4.32	113	240	120.50	ug/l	0.01
Spiked Amount 50.000			Recovery =	241.00%		
50) Toluene-d8	7.79	98	63	13.07	ug/l	0.08
Spiked Amount 50.000			Recovery =	26.14%		
62) 4-Bromofluorobenzene	11.50	95	112	51.49	ug/l	0.01
Spiked Amount 50.000			Recovery =	102.98%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.17	85	70	6.858	ug/l #	41
3) Chloromethane	1.15	50	84	12.477	ug/l #	42
4) Vinyl Chloride	1.20	62	69	10.275	ug/l #	1
5) Bromomethane	1.44	94	85	15.019	ug/l #	3
6) Chloroethane	1.39	64	98	29.028	ug/l #	41
7) Trichlorofluoromethane	1.80	101	74	5.311	ug/l #	20
8) Diethyl Ether	1.52	74	139	65.935	ug/l #	17
9) 1,1,2-Trichlorotrifluoroet	1.80	101	74	9.303	ug/l #	18
11) Tert butyl alcohol	2.70	59	63	133.734	ug/l #	70
12) 1,1-Dichloroethene	1.89	96	70	10.352	ug/l #	1
13) Acrolein	2.21	56	65	220.753	ug/l #	13
14) Allyl chloride	2.20	41	277	46.372	ug/l #	5
15) Acrylonitrile	3.05	53	175	196.109	ug/l #	33
16) Acetone	2.37	43	95	56.341	ug/l #	62
17) Carbon Disulfide	2.03	76	63	4.273	ug/l #	1
18) Methyl Acetate	2.49	43	137	44.189	ug/l #	58
19) Methyl tert-butyl Ether	2.59	73	207	14.829	ug/l #	61
20) Methylene Chloride	2.36	84	202	33.112	ug/l #	1
21) trans-1,2-Dichloroethene	2.32	96	129	20.023	ug/l #	1
22) Diisopropyl ether	2.96	45	313	16.765	ug/l #	66
23) Vinyl Acetate	3.38	43	209	25.118	ug/l #	79
24) 1,1-Dichloroethane	3.06	63	66	5.849	ug/l #	86
25) 2-Butanone	4.52	43	259	122.264	ug/l #	60
26) 2,2-Dichloropropane	3.77	77	102	16.187	ug/l #	58
27) cis-1,2-Dichloroethene	3.60	96	63	7.823	ug/l #	2
28) Bromochloromethane	3.92	49	62	12.116	ug/l #	1
29) Tetrahydrofuran	4.29	42	63	64.709	ug/l #	1
30) Chloroform	4.03	83	60	3.936	ug/l #	19
31) Cyclohexane	3.97	56	59	6.551	ug/l #	1
32) 1,1,1-Trichloroethane	4.25	97	72	5.511	ug/l #	22
36) 1,1-Dichloropropene	4.51	75	138	64.258	ug/l #	42
37) Ethyl Acetate	4.31	43	160	207.969	ug/l #	73
38) Carbon Tetrachloride	4.30	117	104	46.493	ug/l #	14
39) Methylcyclohexane	5.73	83	71	32.964	ug/l #	78

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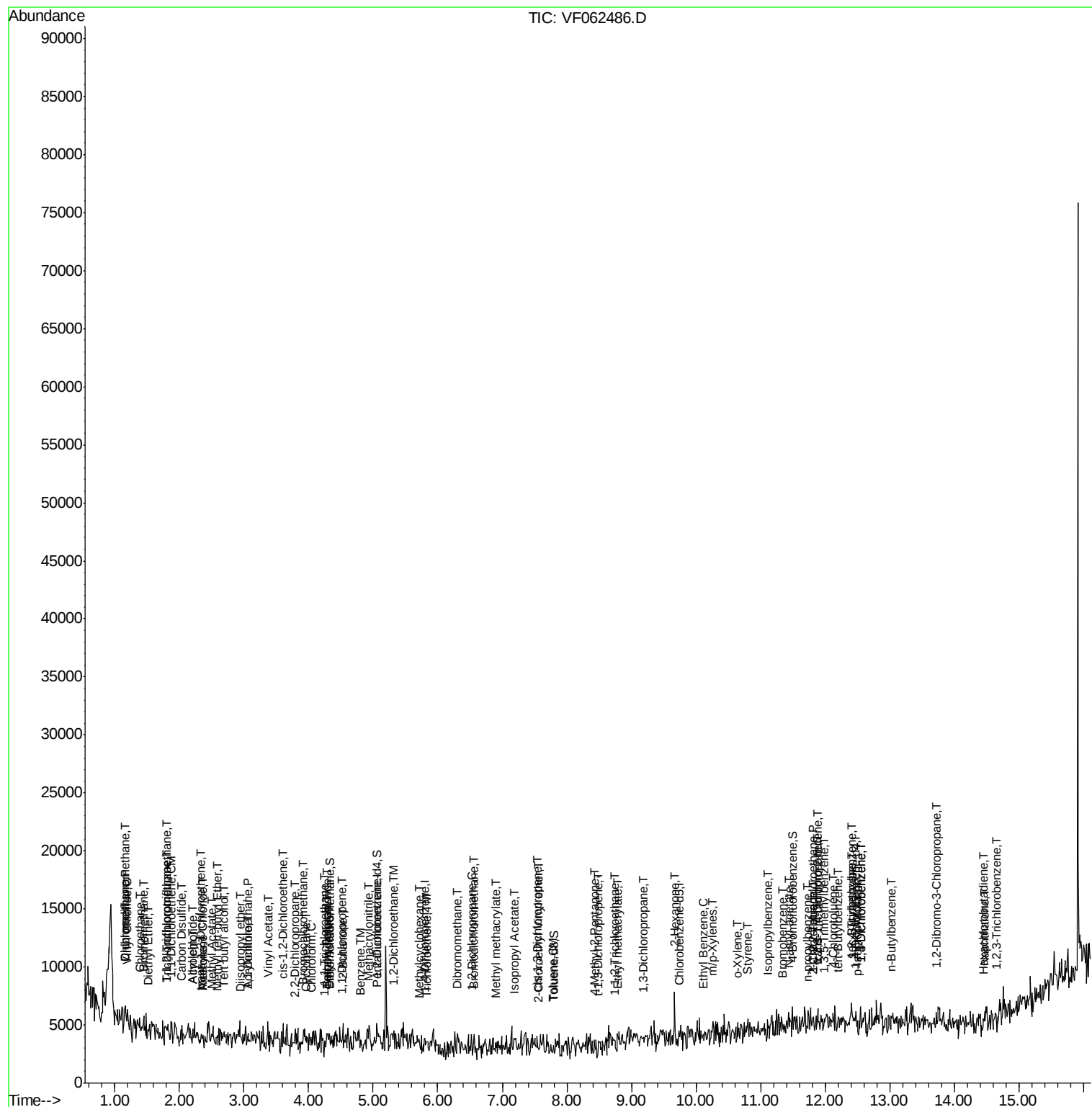
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	4.82	78	78	16.494	ug/l #	48
41) Methacrylonitrile	4.95	41	302	586.465	ug/l #	66
42) 1,2-Dichloroethane	5.32	62	135	68.255	ug/l #	1
43) Isopropyl Acetate	7.18	43	132	135.131	ug/l #	48
44) Trichloroethene	5.82	130	65	37.416	ug/l	2
45) 1,2-Dichloropropane	6.52	63	71	66.283	ug/l #	43
46) Dibromomethane	6.31	93	122	137.368	ug/l #	1
47) Bromodichloromethane	6.55	83	84	37.830	ug/l #	82
48) Methyl methacrylate	6.89	41	73	105.749	ug/l #	17
51) 4-Methyl-2-Pentanone	8.44	43	158	213.459	ug/l #	40
52) Toluene	7.78	92	60	20.566	ug/l #	1
53) t-1,3-Dichloropropene	8.49	75	84	50.018	ug/l #	26
54) cis-1,3-Dichloropropene	7.54	75	63	32.233	ug/l #	7
55) 1,1,2-Trichloroethane	8.75	97	135	145.766	ug/l #	14
56) Ethyl methacrylate	8.78	69	78	79.784	ug/l #	1
57) 1,3-Dichloropropane	9.18	76	77	55.041	ug/l #	42
58) 2-Chloroethyl Vinyl ether	7.56	63	90	306.204	ug/l #	42
59) 2-Hexanone	9.68	43	182	355.528	ug/l #	28
67) Ethyl Benzene	10.11	91	120	27.985	ug/l #	45
68) m/p-Xylenes	10.27	106	73	46.141	ug/l #	1
69) o-Xylene	10.65	106	70	40.946	ug/l #	31
70) Styrene	10.79	104	65	25.369	ug/l #	23
73) Isopropylbenzene	11.12	105	90	24.486	ug/l #	50
74) N-amyl acetate	11.43	43	179	226.840	ug/l #	27
75) 1,1,2,2-Tetrachloroethane	11.81	83	93	161.596	ug/l #	5
76) 1,2,3-Trichloropropane	11.88	75	95	216.364	ug/l #	100
77) Bromobenzene	11.34	156	80	82.932	ug/l #	1
78) n-propylbenzene	11.71	91	62	15.844	ug/l #	52
79) 2-Chlorotoluene	11.80	91	71	29.178	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.98	105	64	19.866	ug/l #	28
81) trans-1,4-Dichloro-2-buten	11.88	75	95	575.607	ug/l #	74
82) 4-Chlorotoluene	12.11	91	127	52.843	ug/l	77
83) tert-Butylbenzene	12.20	119	65	19.198	ug/l #	29
84) 1,2,4-Trimethylbenzene	12.40	105	73	23.155	ug/l #	31
85) sec-Butylbenzene	12.40	105	73	17.714	ug/l #	57
86) p-Isopropyltoluene	12.50	119	131	34.214	ug/l #	50
87) 1,3-Dichlorobenzene	12.55	146	75	42.571	ug/l #	25
88) 1,4-Dichlorobenzene	12.55	146	75	44.107	ug/l #	25
89) n-Butylbenzene	13.02	91	63	18.494	ug/l #	29
92) 1,2-Dibromo-3-Chloropropan	13.71	75	74	573.948	ug/l #	1
94) Hexachlorobutadiene	14.45	225	69	60.526	ug/l #	18
95) Naphthalene	14.47	128	60	26.092	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.66	180	70	47.240	ug/l #	11

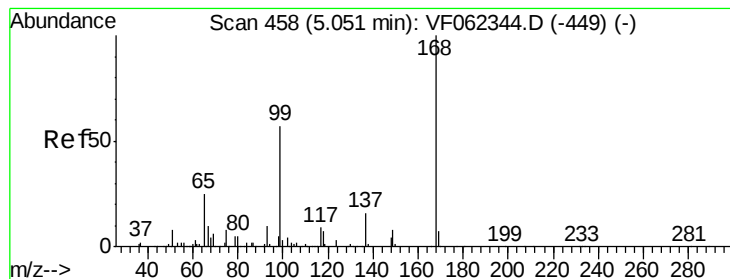
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 461

Delta R.T. 0.02 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

Instrument :

MSVOA_F

ClientSampleId :

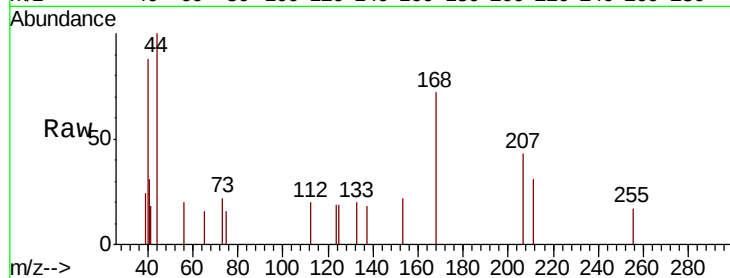
P021-SS005-0612-01

Tot Ion:168 Resp: 882

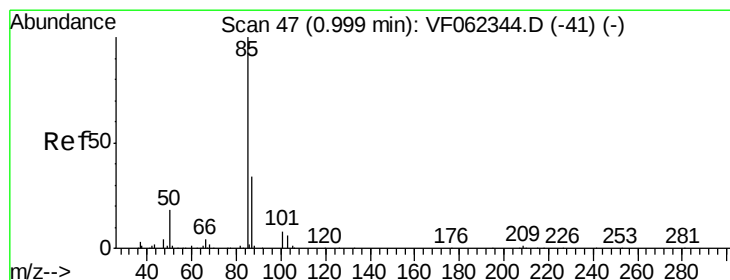
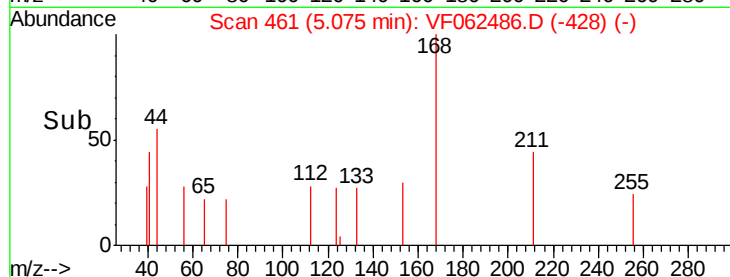
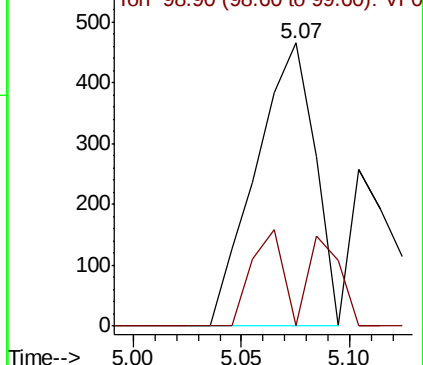
Ion Ratio Lower Upper

168 100

99 0.0 45.9 68.9#



Abundance Ion 167.90 (167.60 to 168.60): VF0



#2

Dichlorodifluoromethane

Concen: 6.858 ug/l

RT: 1.17 min Scan# 65

Delta R.T. 0.17 min

Lab File: VF062486.D

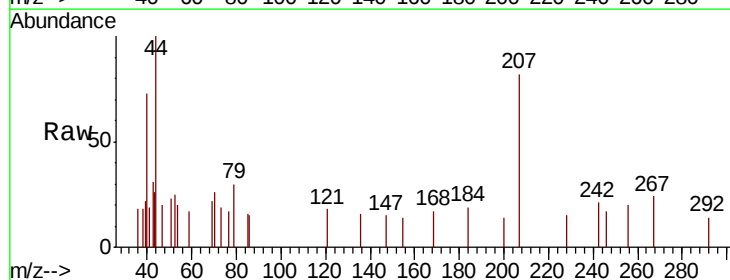
Acq: 12 May 2019 4:47

Tgt Ion: 85 Resp: 70

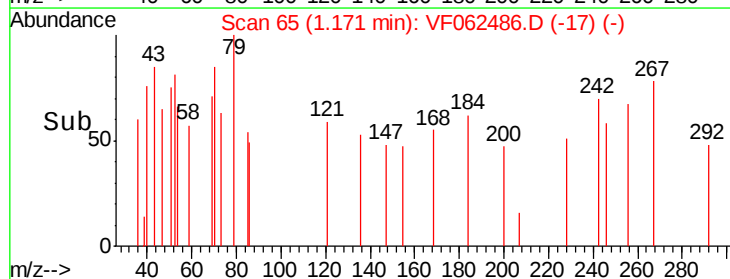
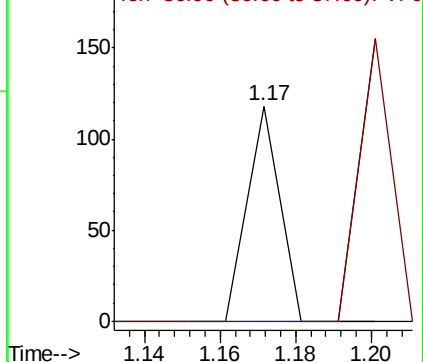
Ion Ratio Lower Upper

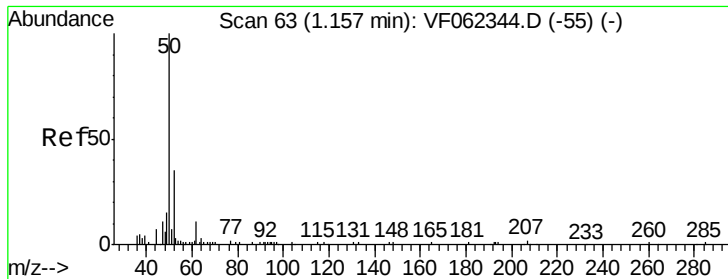
85 100

87 0.0 16.8 50.4#



Abundance Ion 84.90 (84.60 to 85.60): VF0





#3

Chloromethane

Concen: 12.477 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.01 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

Instrument :

MSVOA_F

ClientSampleId :

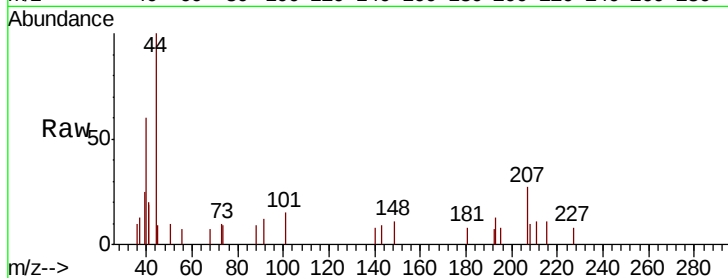
P021-SS005-0612-01

Tot Ion: 50 Resp: 84

Ion Ratio Lower Upper

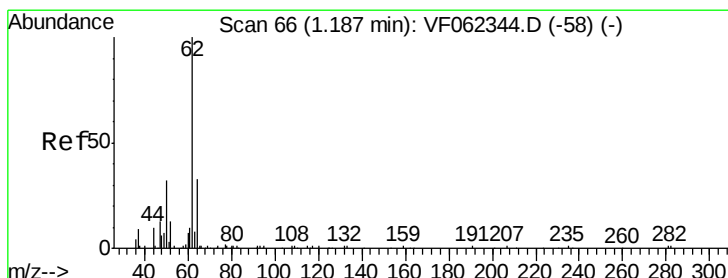
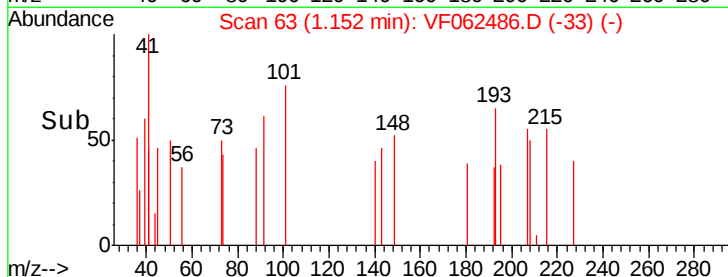
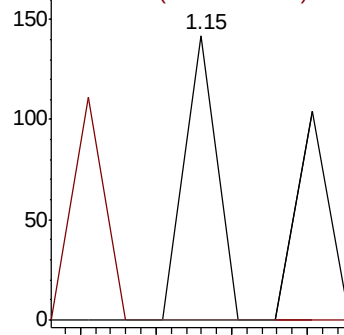
50 100

52 0.0 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VF0

Ion 51.90 (51.60 to 52.60): VF0



#4

Vinyl Chloride

Concen: 10.275 ug/l

RT: 1.20 min Scan# 68

Delta R.T. 0.01 min

Lab File: VF062486.D

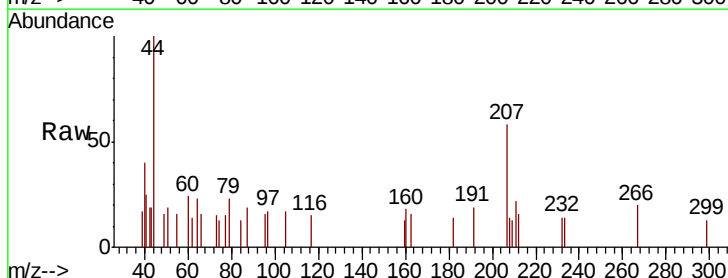
Acq: 12 May 2019 4:47

Tgt Ion: 62 Resp: 69

Ion Ratio Lower Upper

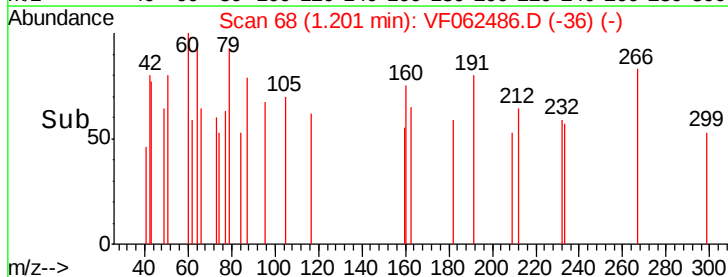
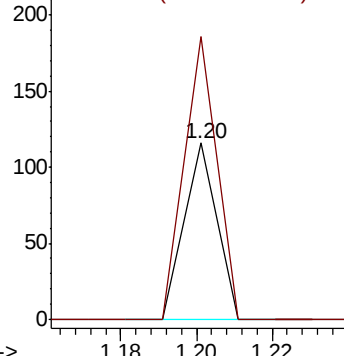
62 100

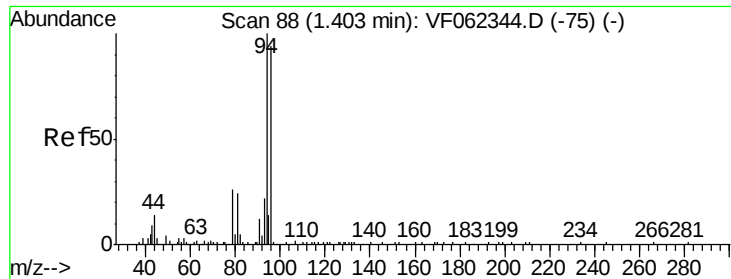
64 160.3 26.1 39.1#



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 63.90 (63.60 to 64.60): VF0





#5

Bromomethane

Concen: 15.019 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.03 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

Instrument :

MSVOA_F

ClientSampleId :

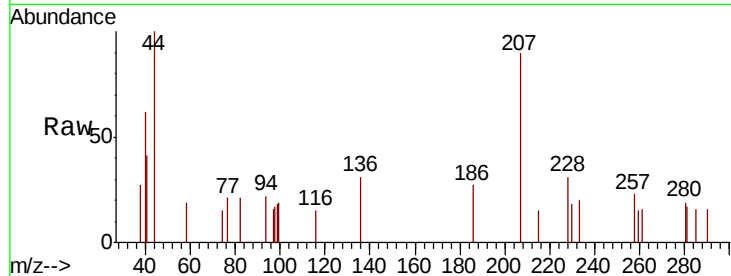
P021-SS005-0612-01

Tot Ion: 94 Resp: 85

Ion Ratio Lower Upper

94 100

96 0.0 75.4 113.2#



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0

1.44

150

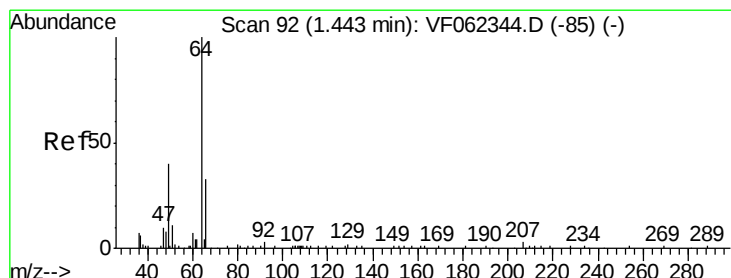
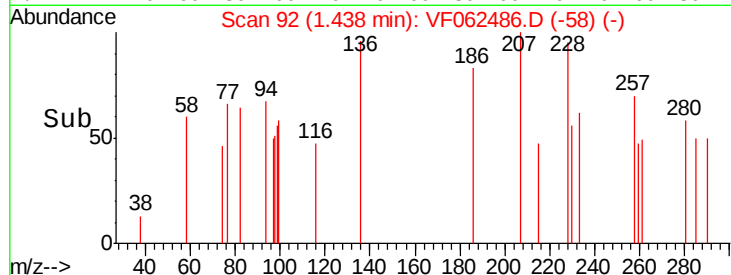
100

50

0

1.42 1.44

Time-->



#6

Chloroethane

Concen: 29.028 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.05 min

Lab File: VF062486.D

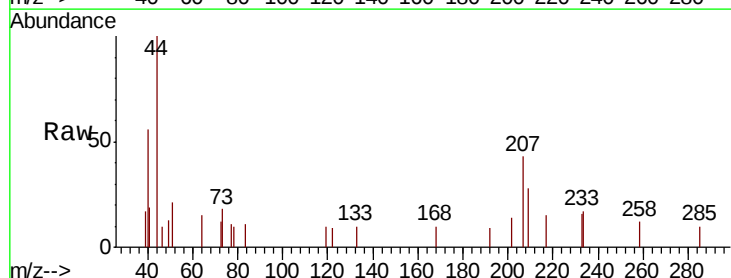
Acq: 12 May 2019 4:47

Tgt Ion: 64 Resp: 98

Ion Ratio Lower Upper

64 100

66 0.0 26.6 39.8#



Abundance Ion 63.90 (63.60 to 64.60): VF0

Ion 65.90 (65.60 to 66.60): VF0

1.39

150

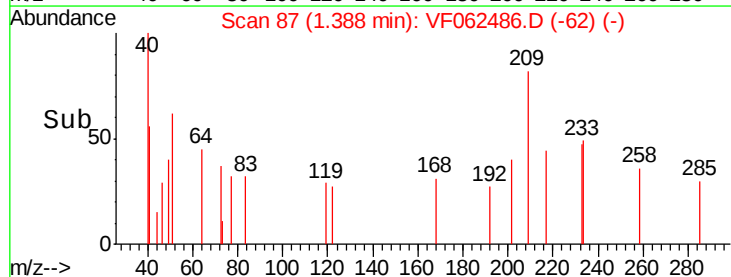
100

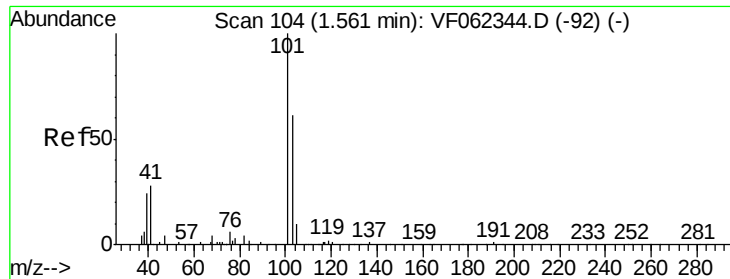
50

0

1.36 1.38 1.40 1.42

Time-->





#7

Trichlorofluoromethane

Concen: 5.311 ug/l

RT: 1.80 min Scan# 129

Delta R.T. 0.24 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

Instrument :

MSVOA_F

ClientSampleId :

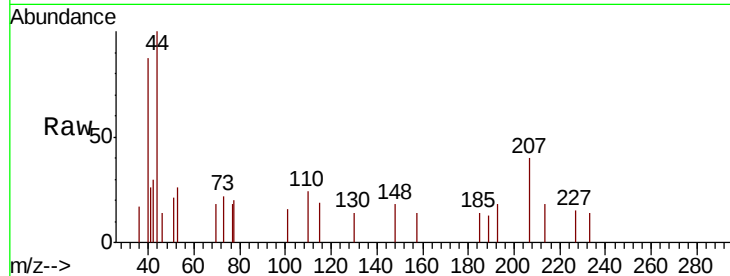
P021-SS005-0612-01

Tot Ion:101 Resp: 74

Ion Ratio Lower Upper

101 100

103 0.0 48.5 72.7#



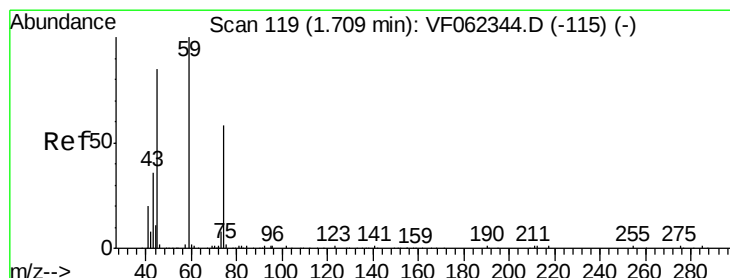
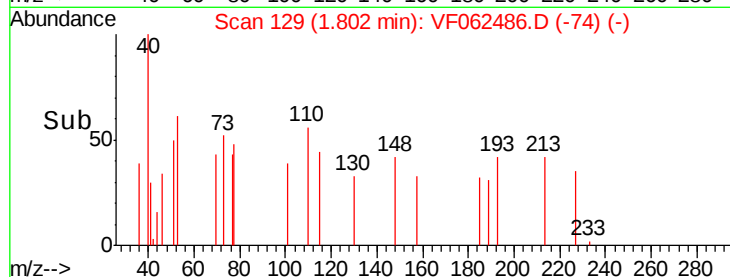
Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.80

1.82

Time-->



#8

Diethyl Ether

Concen: 65.935 ug/l

RT: 1.52 min Scan# 100

Delta R.T. -0.19 min

Lab File: VF062486.D

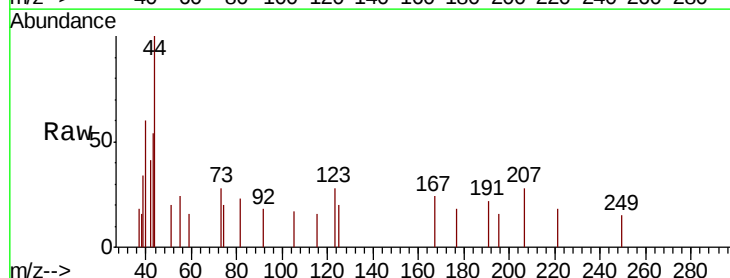
Acq: 12 May 2019 4:47

Tgt Ion: 74 Resp: 139

Ion Ratio Lower Upper

74 100

45 43.9 73.9 221.6#



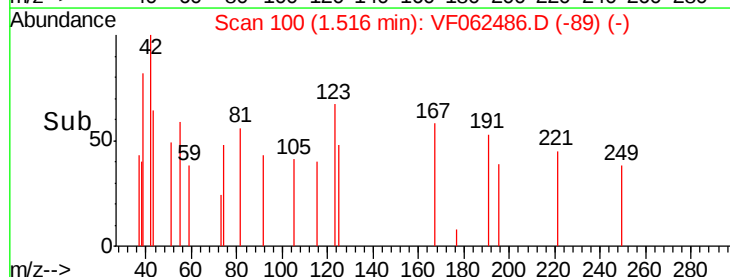
Abundance Ion 74.00 (73.70 to 74.70): VF0

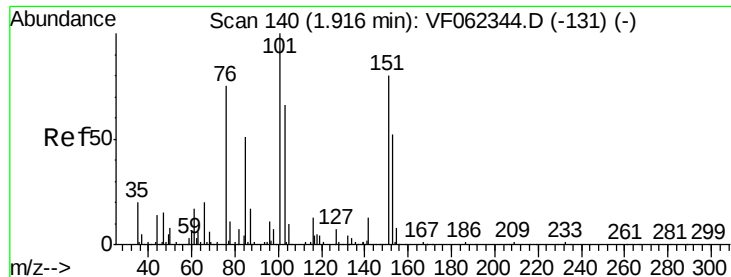
Ion 45.00 (44.70 to 45.70): VF0

1.52

1.55

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.303 ug/l

RT: 1.80 min Scan# 129

Delta R.T. -0.11 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

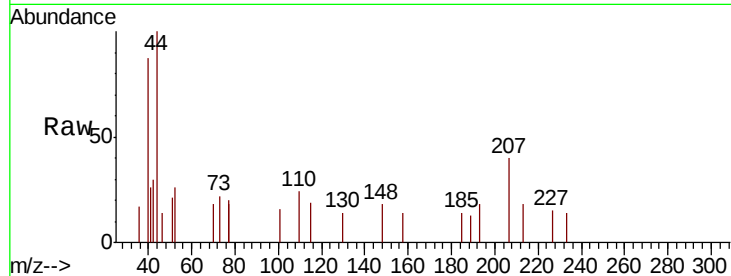
Instrument :

MSVOA_F

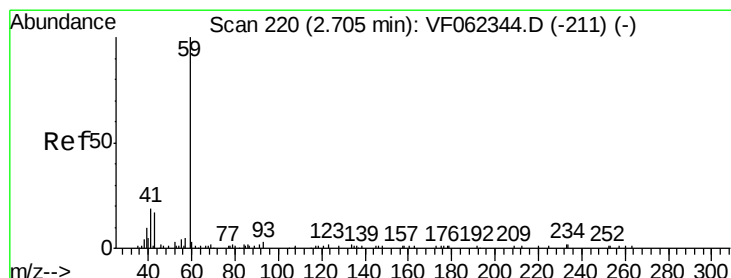
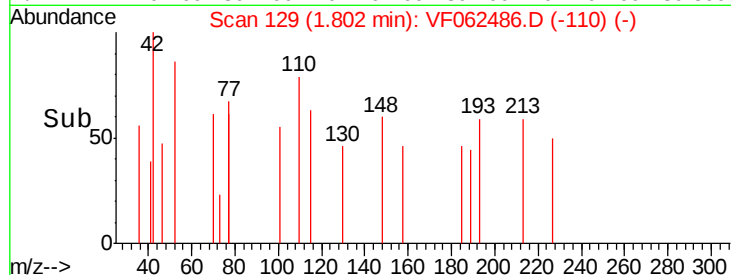
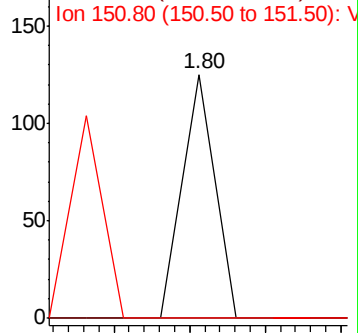
ClientSampleId :

P021-SS005-0612-01

Tot Ion:	101	Resp:	74
Ion	Ratio	Lower	Upper
101	100		
85	0.0	39.5	59.3#
151	0.0	59.9	89.9#



Abundance Ion 100.90 (100.60 to 101.60): V



#11

Tert butyl alcohol

Concen: 133.734 ug/l

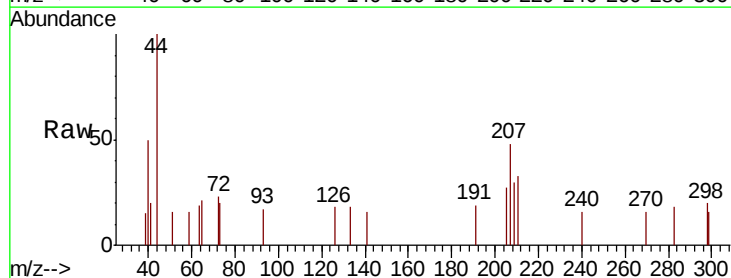
RT: 2.70 min Scan# 220

Delta R.T. -0.01 min

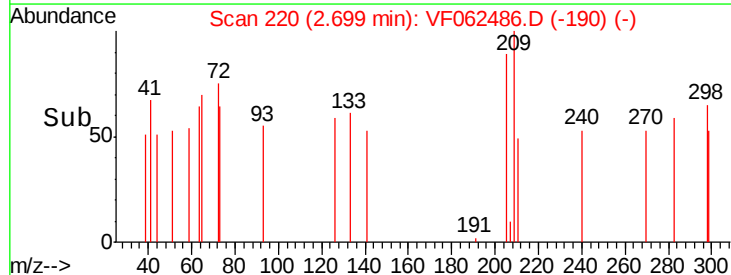
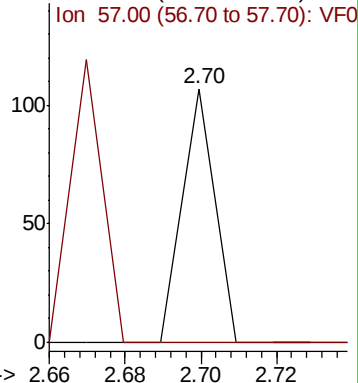
Lab File: VF062486.D

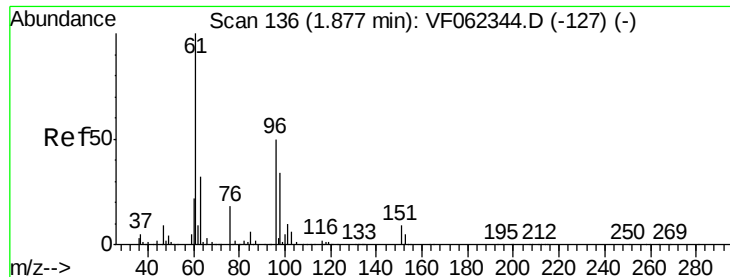
Acq: 12 May 2019 4:47

Tgt Ion:	59	Resp:	63
Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.3	13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0





#12

1,1-Dichloroethene

Concen: 10.352 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.01 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

Instrument :

MSVOA_F

ClientSampleId :

P021-SS005-0612-01

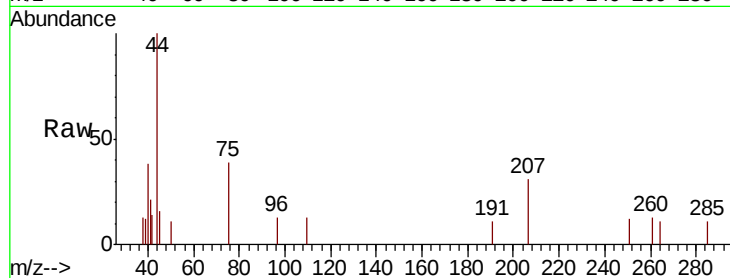
Tot Ion: 96 Resp: 70

Ion Ratio Lower Upper

96 100

61 0.0 163.2 244.8#

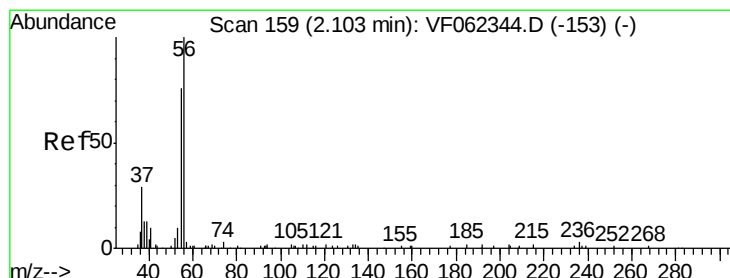
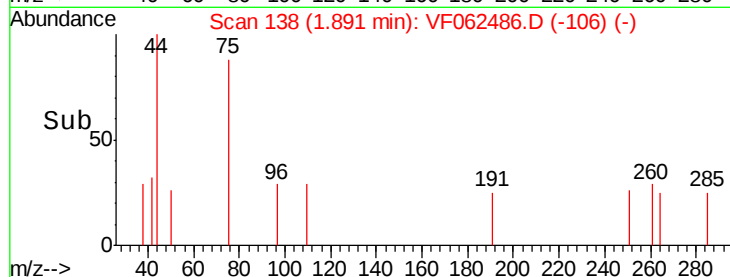
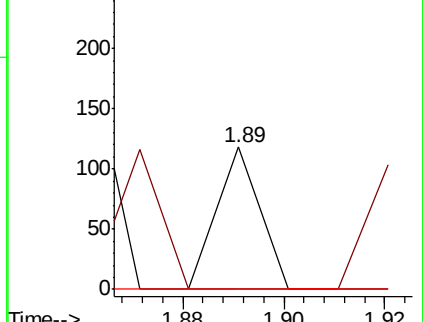
98 0.0 55.2 82.8#



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



#13

Acrolein

Concen: 220.753 ug/l

RT: 2.21 min Scan# 170

Delta R.T. 0.10 min

Lab File: VF062486.D

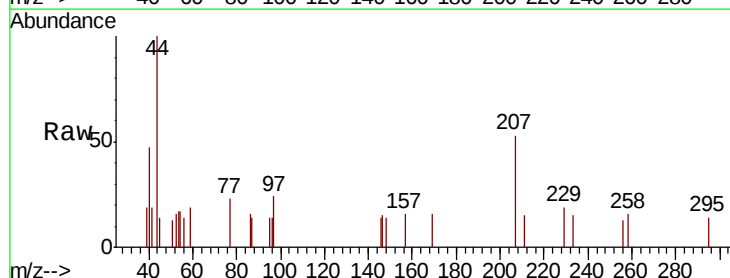
Acq: 12 May 2019 4:47

Tgt Ion: 56 Resp: 65

Ion Ratio Lower Upper

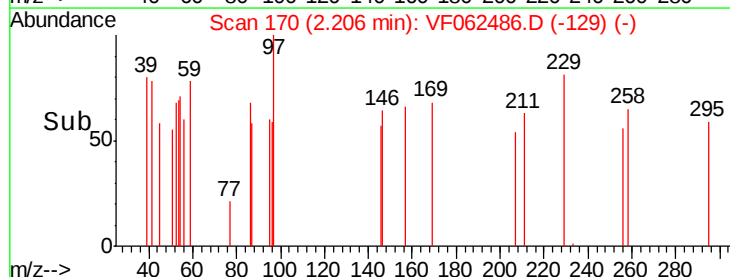
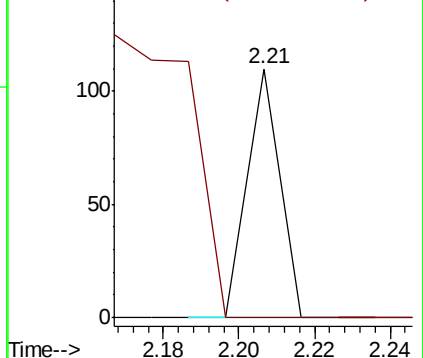
56 100

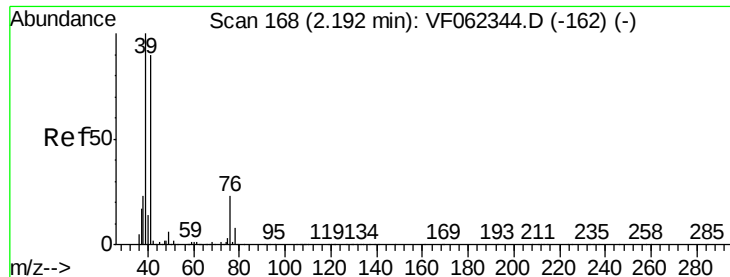
55 0.0 58.4 87.6#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

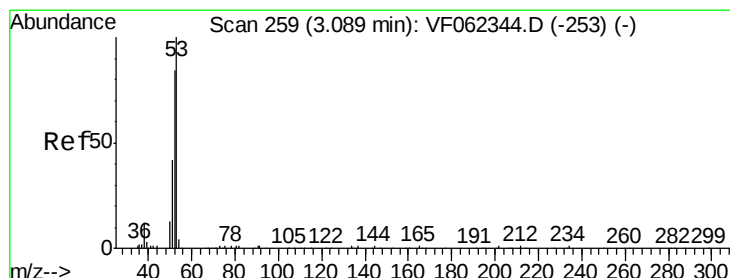
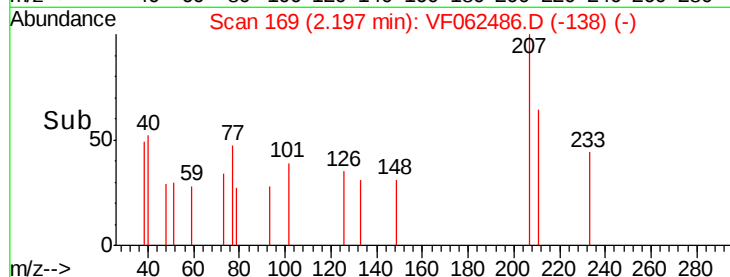
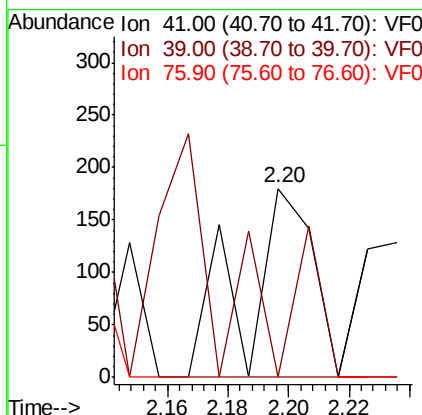
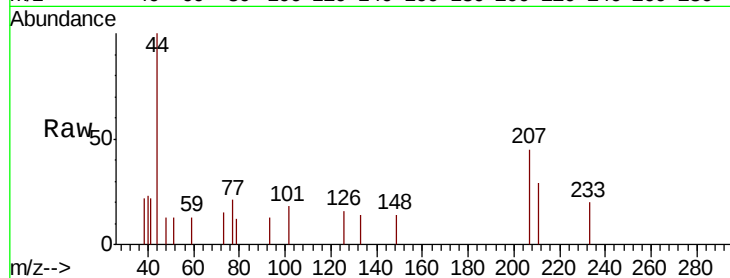




#14
Allvl chloride
Concen: 46.372 ug/l
RT: 2.20 min Scan# 169
Delta R.T. 0.00 min
Lab File: VF062486.D
Acq: 12 May 2019 4:47

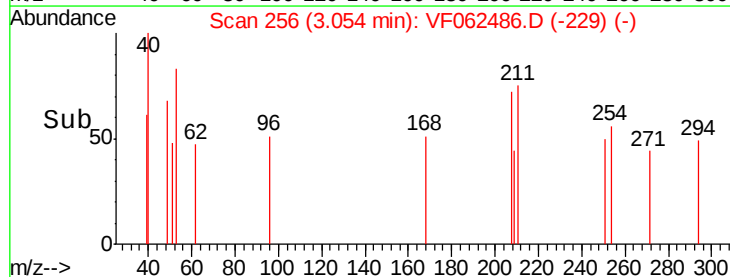
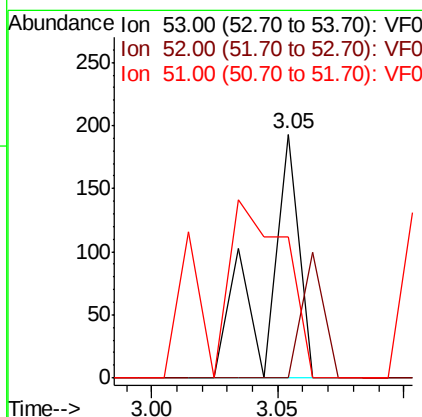
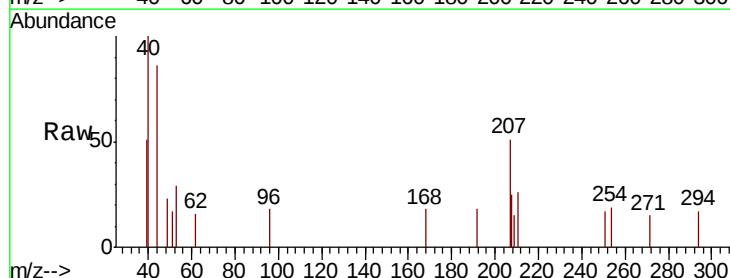
Instrument :
MSVOA_F
ClientSampleId :
P021-SS005-0612-01

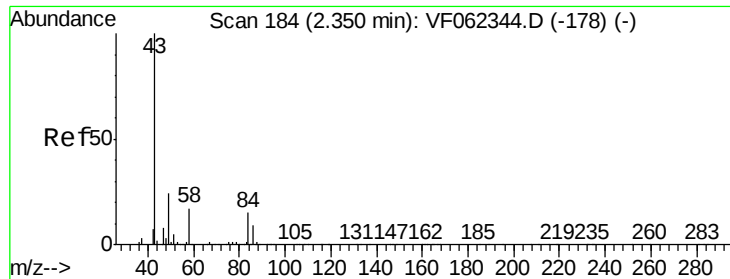
Tot Ion: 41 Resp: 277
Ion Ratio Lower Upper
41 100
39 0.0 90.8 136.2#
76 0.0 22.2 33.4#



#15
Acrylonitrile
Concen: 196.109 ug/l
RT: 3.05 min Scan# 256
Delta R.T. -0.03 min
Lab File: VF062486.D
Acq: 12 May 2019 4:47

Tgt Ion: 53 Resp: 175
Ion Ratio Lower Upper
53 100
52 33.7 77.2 115.8#
51 0.0 40.6 61.0#





#16

Acetone

Concen: 56.341 ug/l

RT: 2.37 min Scan# 187

Delta R.T. 0.02 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

Instrument :

MSVOA_F

ClientSampleId :

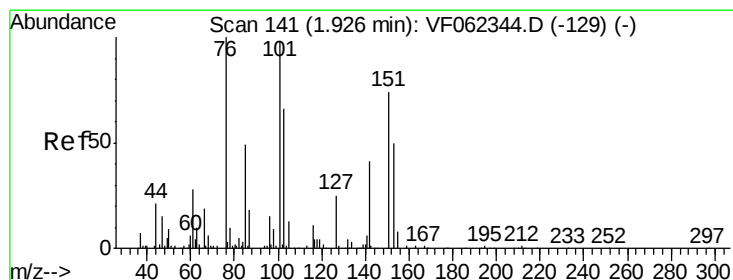
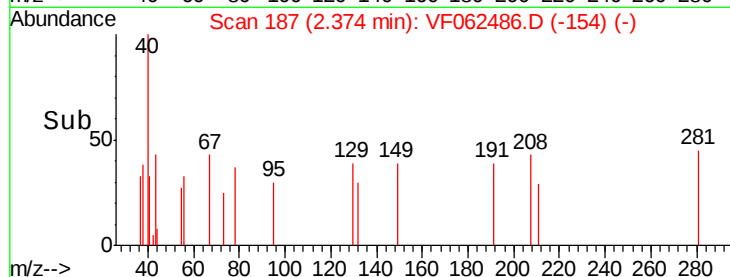
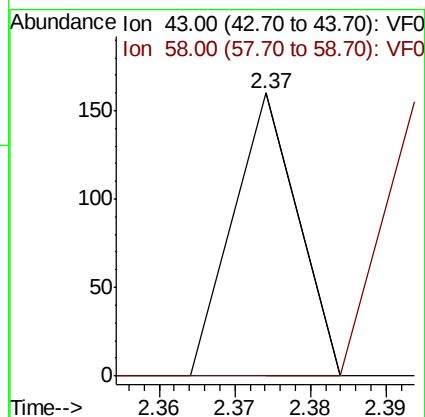
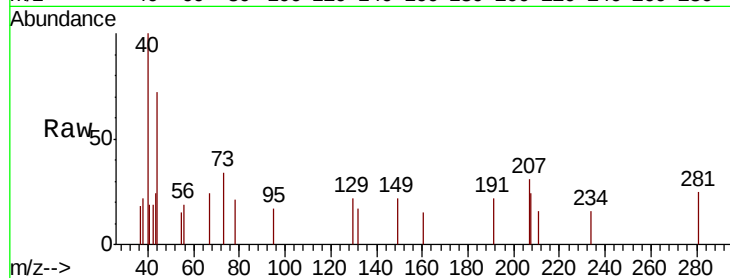
P021-SS005-0612-01

Tot Ion: 43 Resp: 95

Ion Ratio Lower Upper

43 100

58 0.0 13.1 19.7#



#17

Carbon Disulfide

Concen: 4.273 ug/l

RT: 2.03 min Scan# 152

Delta R.T. 0.10 min

Lab File: VF062486.D

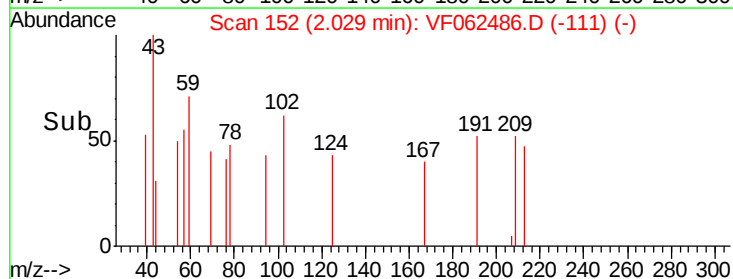
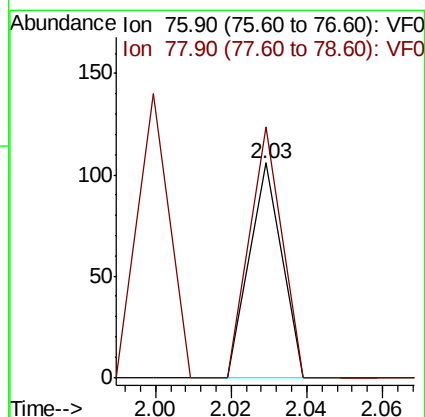
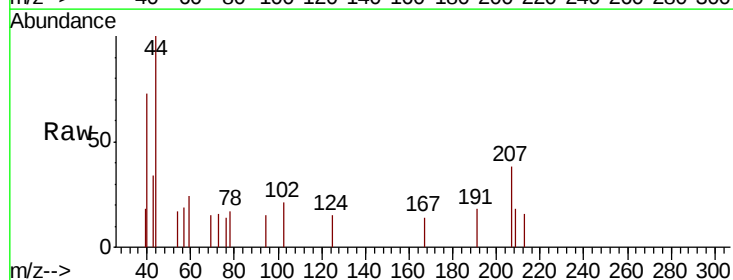
Acq: 12 May 2019 4:47

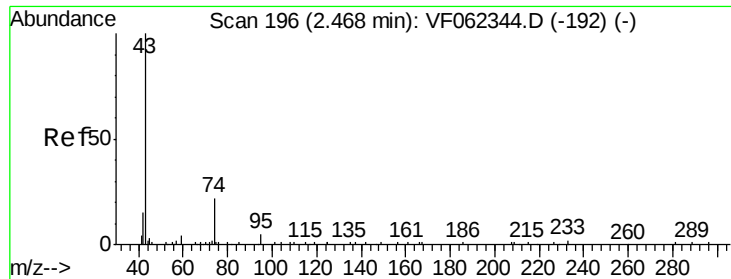
Tgt Ion: 76 Resp: 63

Ion Ratio Lower Upper

76 100

78 117.0 9.0 13.4#

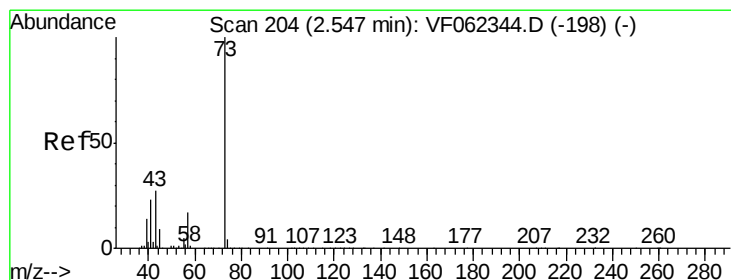
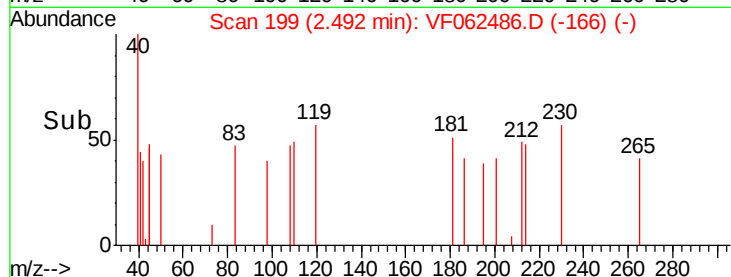
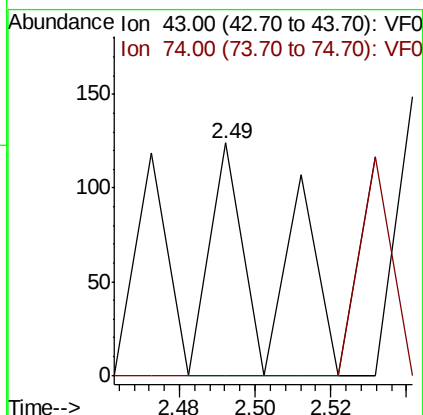
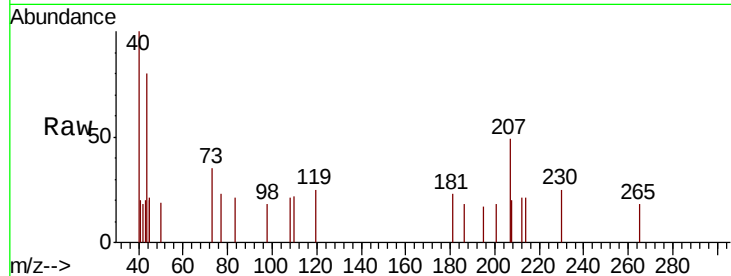




#18
Methyl Acetate
Concen: 44.189 ug/l
RT: 2.49 min Scan# 199
Delta R.T. 0.02 min
Lab File: VF062486.D
Acq: 12 May 2019 4:47

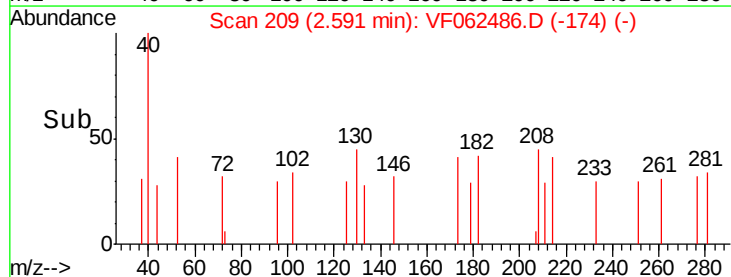
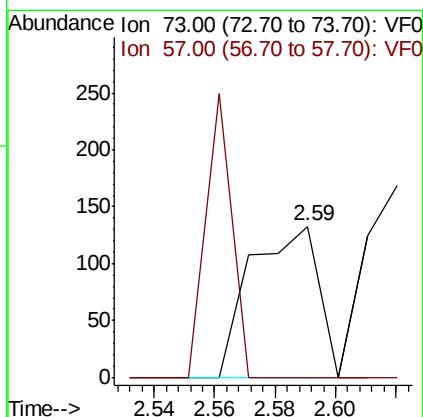
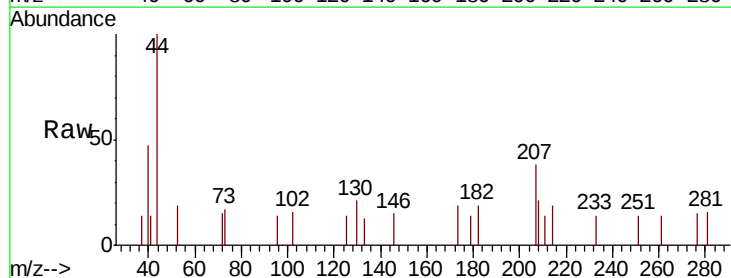
Instrument :
MSVOA_F
ClientSampleId :
P021-SS005-0612-01

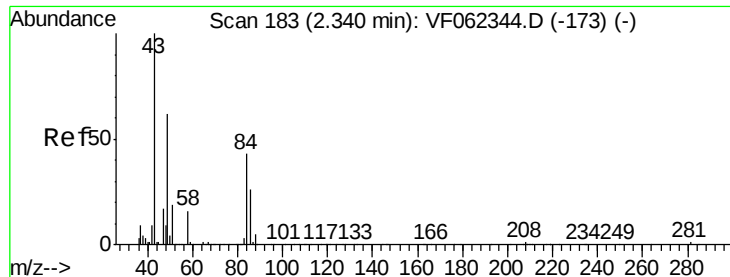
Tot Ion: 43 Resp: 137
Ion Ratio Lower Upper
43 100
74 0.0 15.0 22.4#



#19
Methyl tert-butyl Ether
Concen: 14.829 ug/l
RT: 2.59 min Scan# 209
Delta R.T. 0.04 min
Lab File: VF062486.D
Acq: 12 May 2019 4:47

Tgt Ion: 73 Resp: 207
Ion Ratio Lower Upper
73 100
57 0.0 13.7 20.5#





#20

Methylene Chloride

Concen: 33.112 ug/l

RT: 2.36 min Scan# 186

Delta R.T. 0.02 min

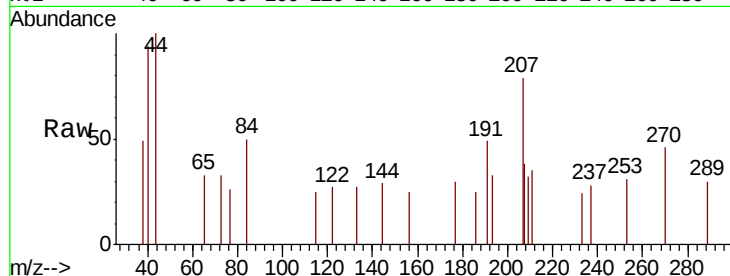
Lab File: VF062486.D

Acq: 12 May 2019 4:47

Instrument :
MSVOA_F
ClientSampleId :
P021-SS005-0612-01

Tot Ion: 84 Resp: 202

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



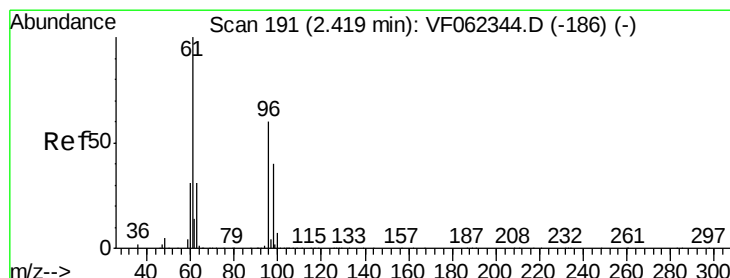
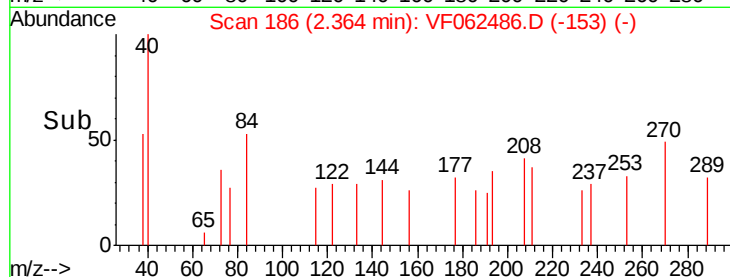
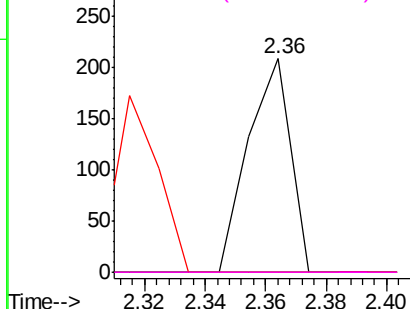
Abundance

Ion 83.90 (83.60 to 84.60): VF0

Ion 48.90 (48.60 to 49.60): VF0

Ion 50.90 (50.60 to 51.60): VF0

Ion 85.90 (85.60 to 86.60): VF0



#21

trans-1,2-Dichloroethene

Concen: 20.023 ug/l

RT: 2.32 min Scan# 182

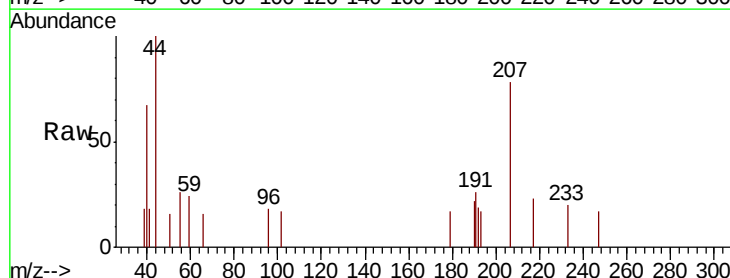
Delta R.T. -0.09 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

Tgt Ion: 96 Resp: 129

Ion	Ratio	Lower	Upper
96	100		
61	0.0	133.2	199.8#
98	0.0	53.1	79.7#

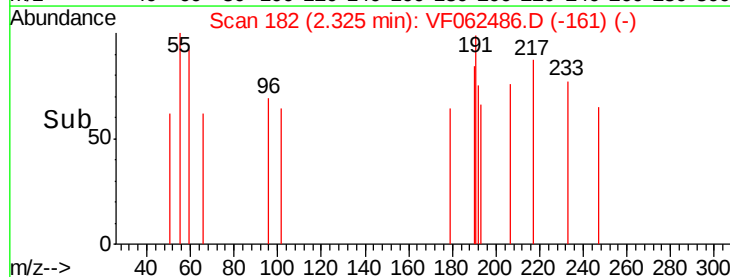
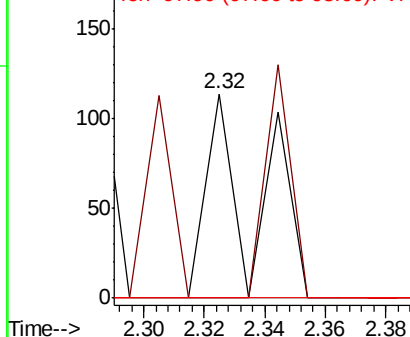


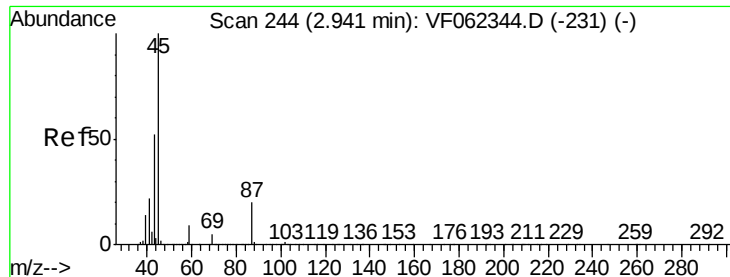
Abundance

Ion 95.90 (95.60 to 96.60): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

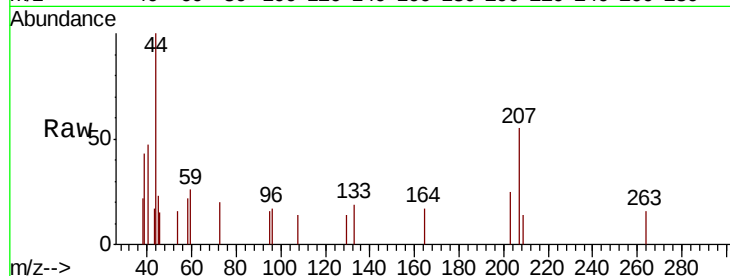




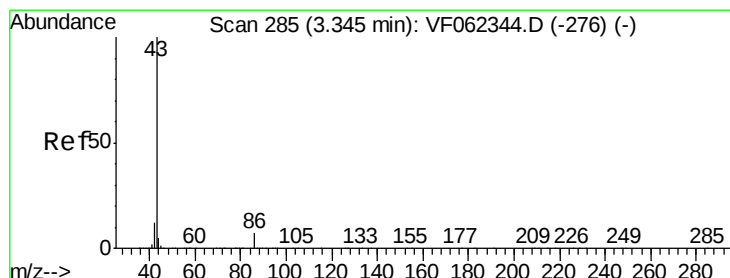
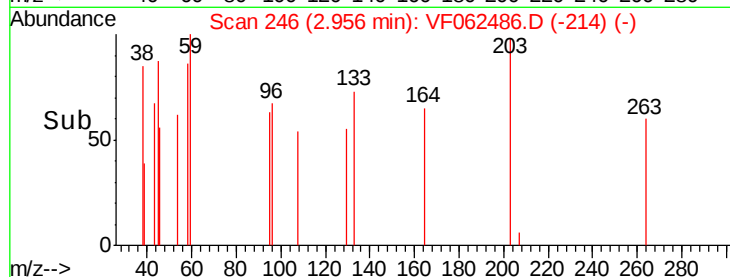
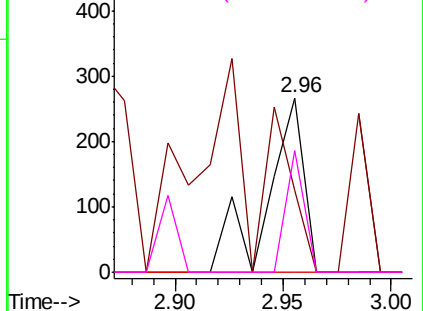
#22
Diisopropyl ether
Concen: 16.765 ug/l
RT: 2.96 min Scan# 246
Delta R.T. 0.01 min
Lab File: VF062486.D
Acq: 12 May 2019 4:47

Instrument :
MSVOA_F
ClientSampleId :
P021-SS005-0612-01

Tot Ion: 45 Resp: 313
Ion Ratio Lower Upper
45 100
43 46.8 41.4 62.0
87 0.0 15.8 23.6#
59 69.7 7.2 10.8#

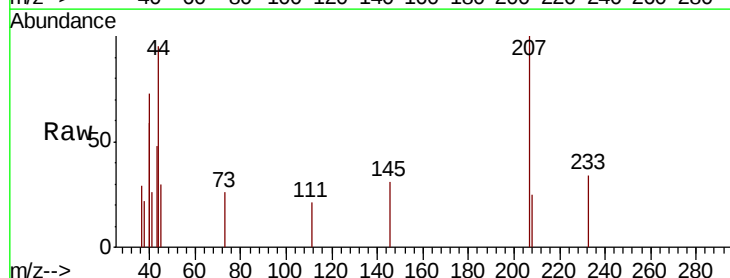


Abundance Ion 45.00 (44.70 to 45.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 87.00 (86.70 to 87.70): VF0
Ion 59.00 (58.70 to 59.70): VF0

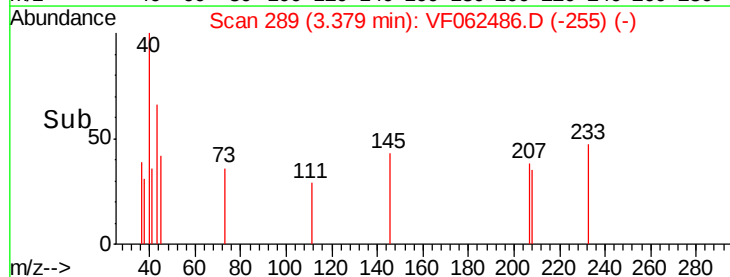
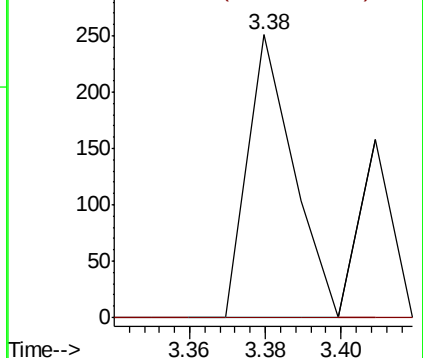


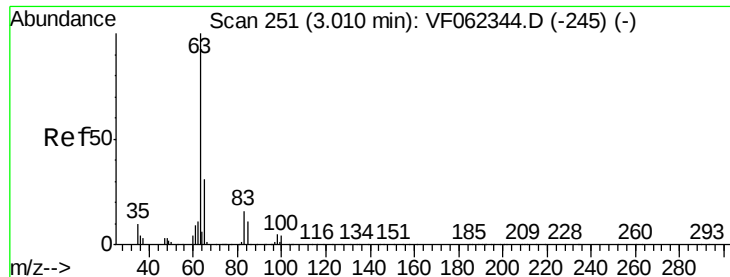
#23
Vinyl Acetate
Concen: 25.118 ug/l
RT: 3.38 min Scan# 289
Delta R.T. 0.03 min
Lab File: VF062486.D
Acq: 12 May 2019 4:47

Tgt Ion: 43 Resp: 209
Ion Ratio Lower Upper
43 100
86 0.0 5.7 8.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 86.00 (85.70 to 86.70): VF0





#24

1,1-Dichloroethane

Concen: 5.849 ug/l

RT: 3.06 min Scan# 257

Delta R.T. 0.05 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

Instrument :

MSVOA_F

ClientSampleId :

P021-SS005-0612-01

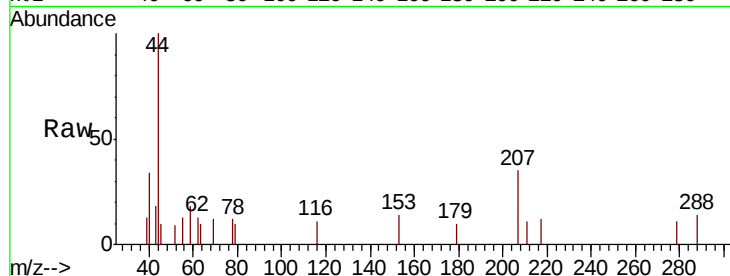
Tot Ion: 63 Resp: 66

Ion Ratio Lower Upper

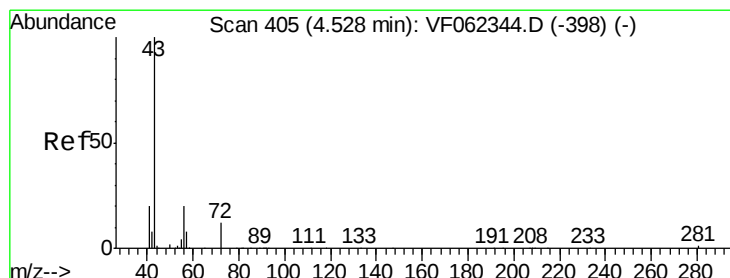
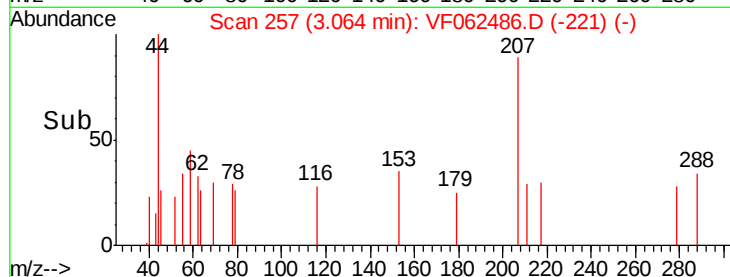
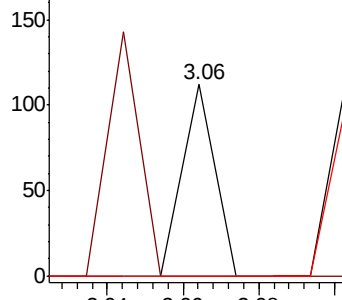
63 100

98 0.0 2.6 8.0#

100 0.0 1.8 5.4#



Abundance Ion 62.90 (62.60 to 63.60): VF0
Ion 97.90 (97.60 to 98.60): VF0
Ion 99.90 (99.60 to 100.60): VF0



#25

2-Butanone

Concen: 122.264 ug/l

RT: 4.52 min Scan# 405

Delta R.T. -0.01 min

Lab File: VF062486.D

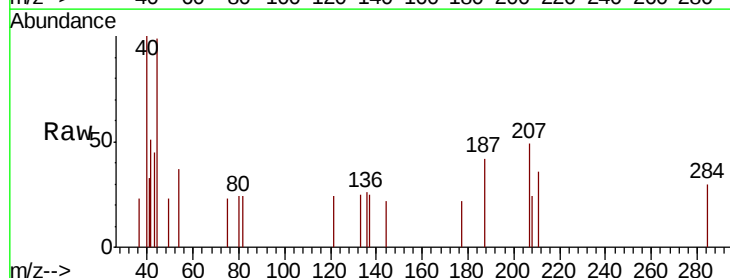
Acq: 12 May 2019 4:47

Tgt Ion: 43 Resp: 259

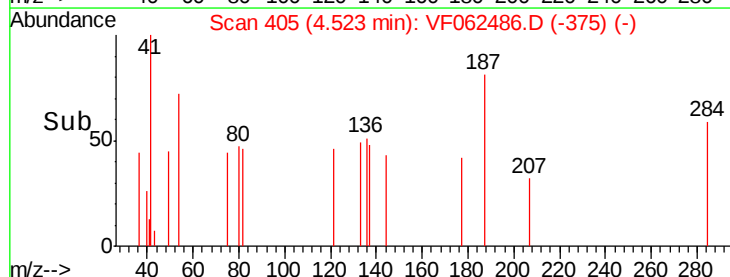
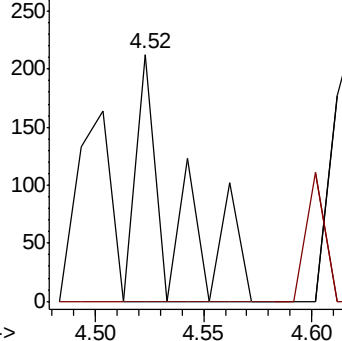
Ion Ratio Lower Upper

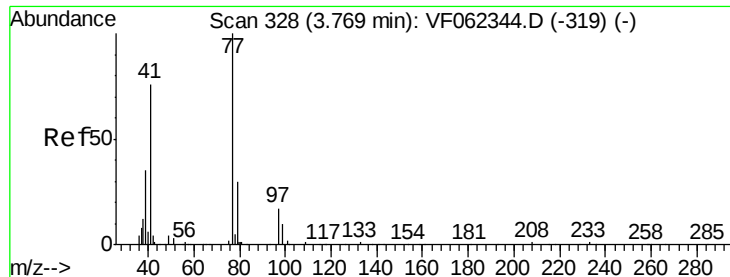
43 100

72 0.0 14.2 21.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 72.00 (71.70 to 72.70): VF0





#26

2,2-Dichloropropane

Concen: 16.187 ug/l

RT: 3.77 min Scan# 329

Delta R.T. 0.00 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

Instrument :

MSVOA_F

ClientSampleId :

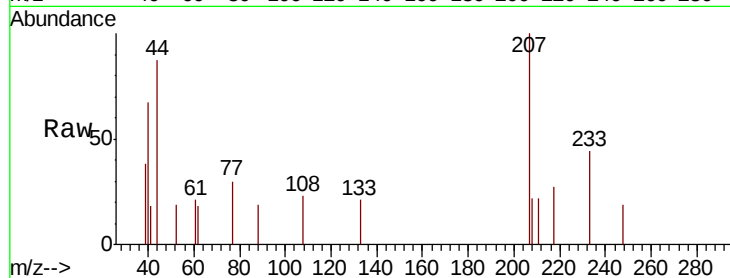
P021-SS005-0612-01

Tot Ion: 77 Resp: 102

Ion Ratio Lower Upper

77 100

97 0.0 9.5 28.5#



Abundance Ion 76.90 (76.60 to 77.60): VF0

Ion 96.90 (96.60 to 97.60): VF0

3.77

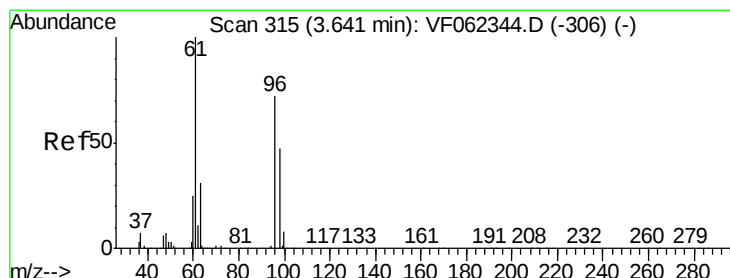
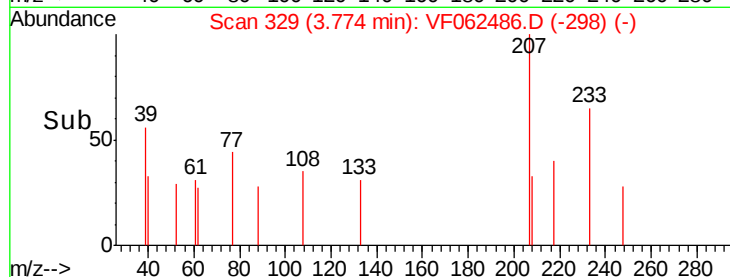
150

100

50

0

Time--> 3.74 3.76 3.78



#27

cis-1,2-Dichloroethene

Concen: 7.823 ug/l

RT: 3.60 min Scan# 311

Delta R.T. -0.04 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

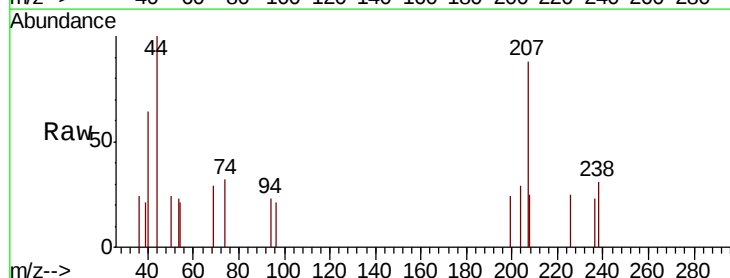
Tgt Ion: 96 Resp: 63

Ion Ratio Lower Upper

96 100

61 0.0 0.0 263.0

98 120.6 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

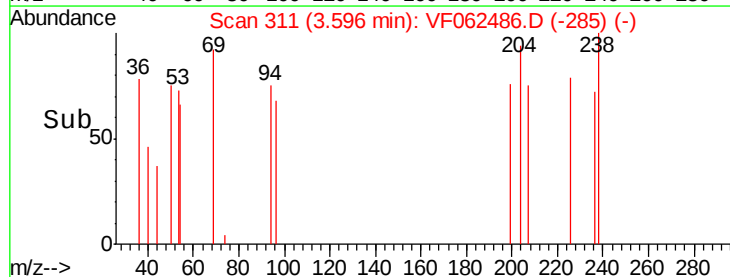
150

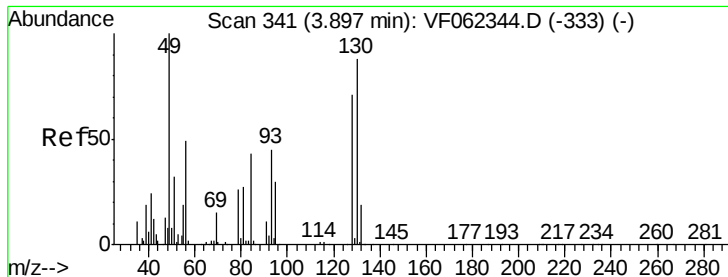
100

50

0

Time--> 3.56 3.58 3.60 3.62





#28

Bromochloromethane

Concen: 12.116 ug/l

RT: 3.92 min Scan# 344

Delta R.T. 0.02 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

Instrument :

MSVOA_F

ClientSampleId :

P021-SS005-0612-01

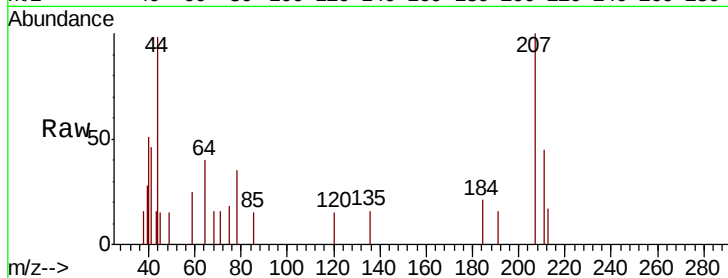
Tot Ion: 49 Resp: 62

Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.2

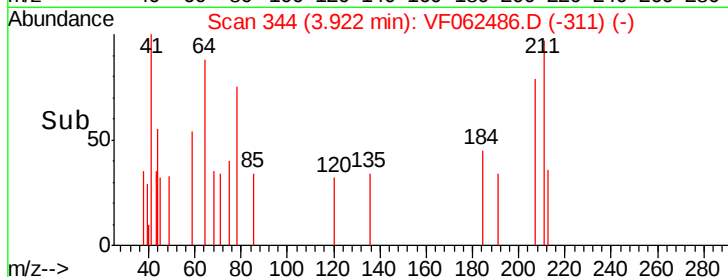
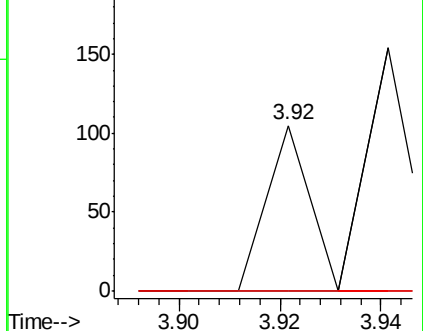
130 0.0 79.4 119.0#



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: 64.709 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.02 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

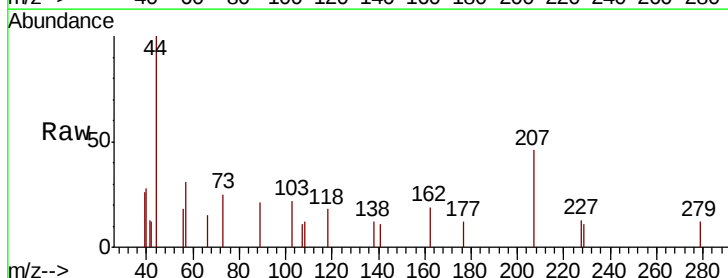
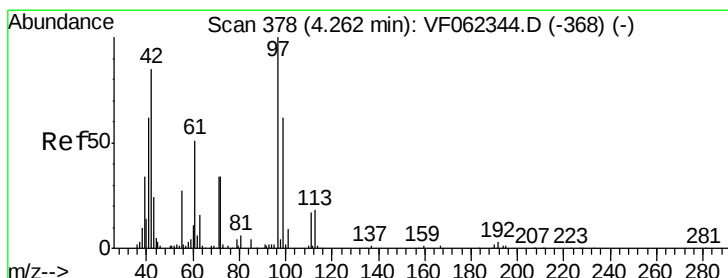
Tgt Ion: 42 Resp: 63

Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.0#

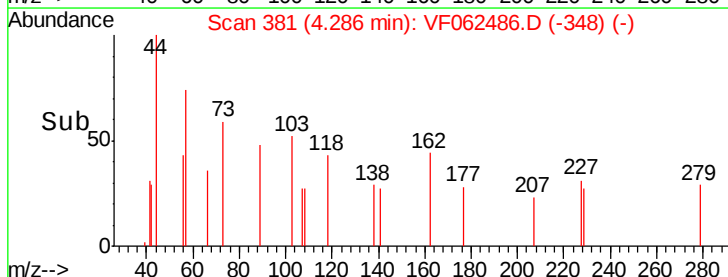
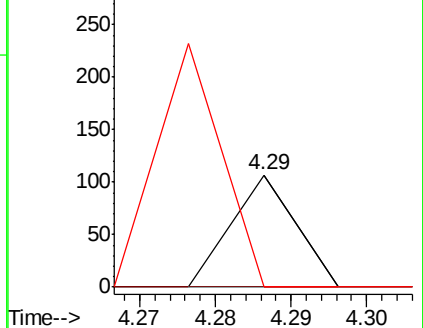
71 217.5 31.7 47.5#

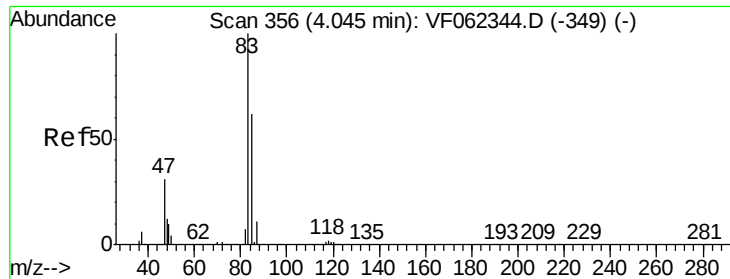


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

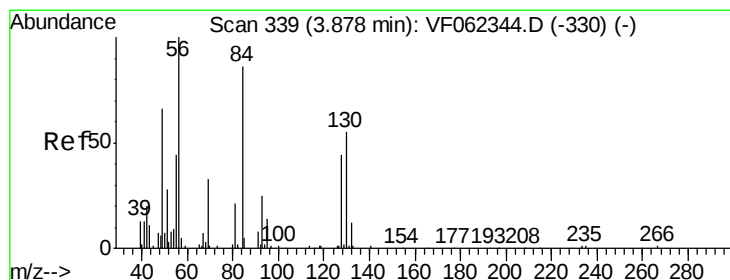
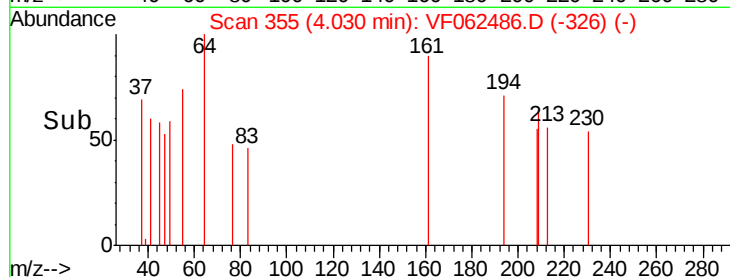
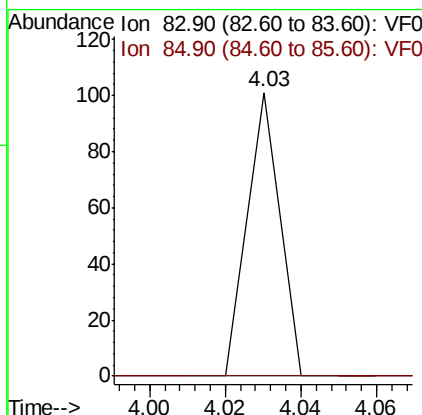
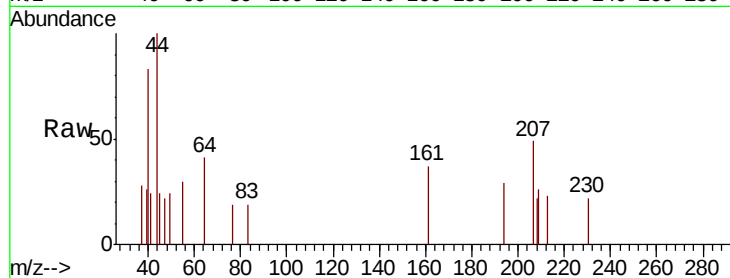




#30
Chloroform
Concen: 3.936 ug/l
RT: 4.03 min Scan# 355
Delta R.T. -0.02 min
Lab File: VF062486.D
Acq: 12 May 2019 4:47

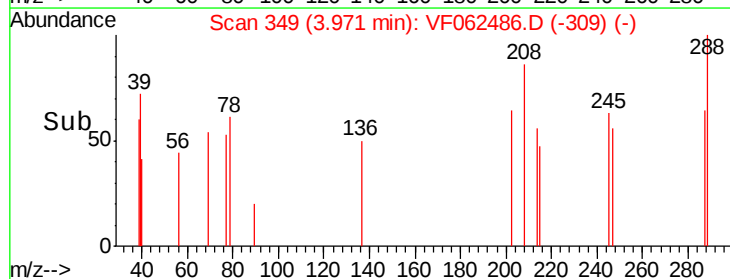
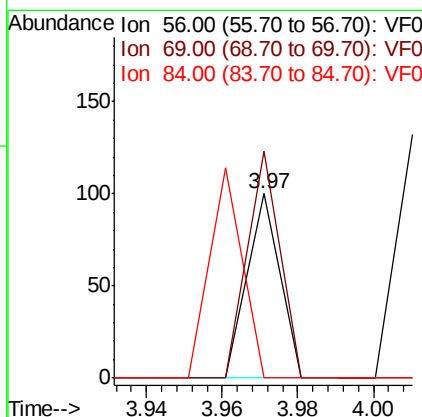
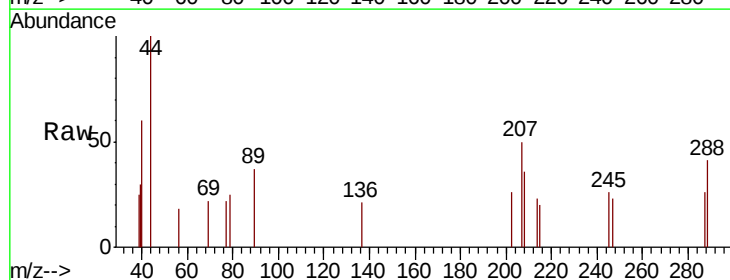
Instrument :
MSVOA_F
ClientSampleId :
P021-SS005-0612-01

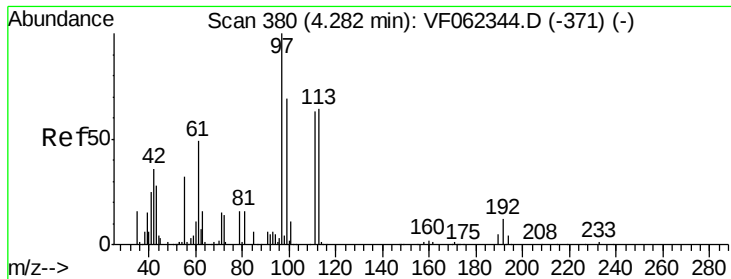
Tot Ion: 83 Resp: 60
Ion Ratio Lower Upper
83 100
85 0.0 49.6 74.4#



#31
Cyclohexane
Concen: 6.551 ug/l
RT: 3.97 min Scan# 349
Delta R.T. 0.09 min
Lab File: VF062486.D
Acq: 12 May 2019 4:47

Tgt Ion: 56 Resp: 59
Ion Ratio Lower Upper
56 100
69 123.0 26.4 39.6#
84 0.0 69.0 103.6#





#32

1,1,1-Trichloroethane

Concen: 5.511 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.03 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

Instrument :

MSVOA_F

ClientSampleId :

P021-SS005-0612-01

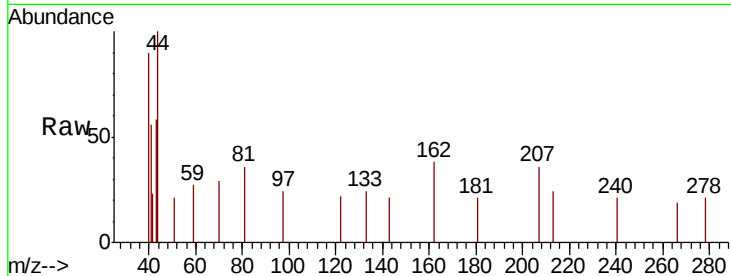
Tot Ion: 97 Resp: 72

Ion Ratio Lower Upper

97 100

99 0.0 52.6 78.8#

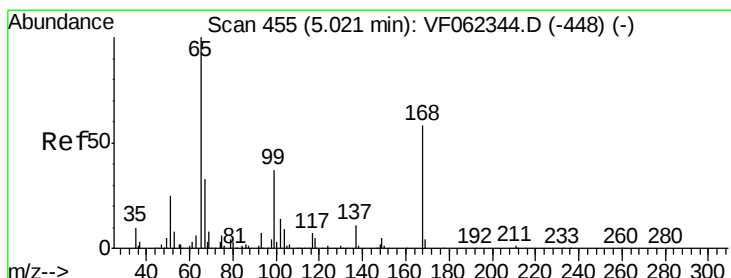
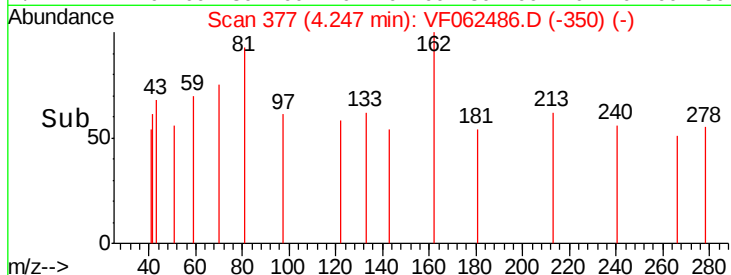
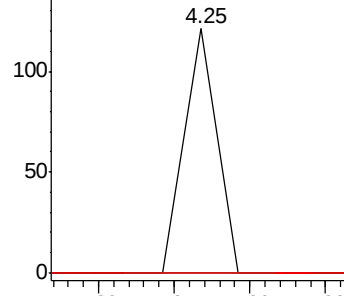
61 0.0 39.4 59.0#



Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

Ion 60.90 (60.60 to 61.60): VF0



#33

1,2-Dichloroethane-d4

Concen: 13.197 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.03 min

Lab File: VF062486.D

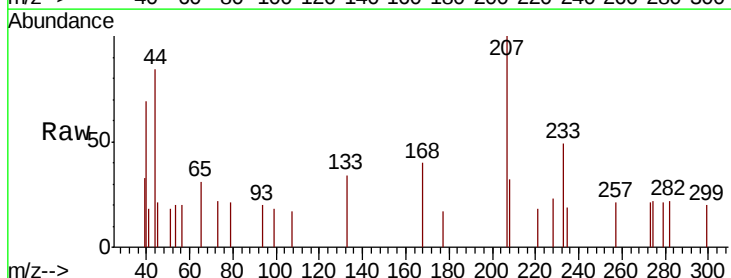
Acq: 12 May 2019 4:47

Tgt Ion: 65 Resp: 110

Ion Ratio Lower Upper

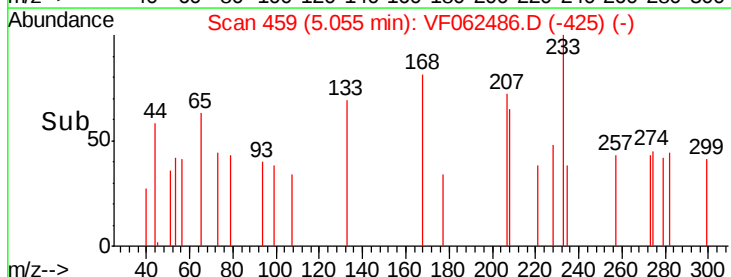
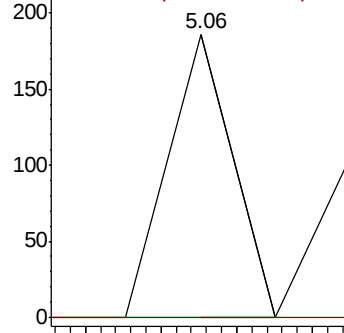
65 100

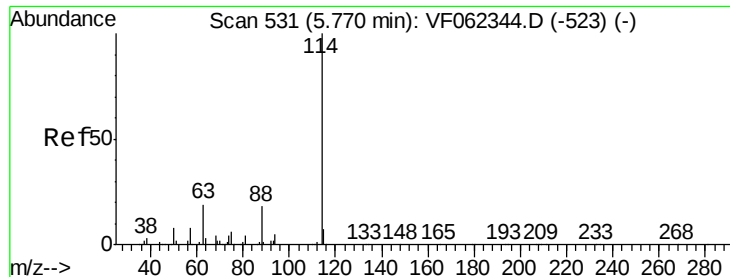
67 0.0 0.0 85.8



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 534

Delta R.T. 0.02 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

Instrument :

MSVOA_F

ClientSampleId :

P021-SS005-0612-01

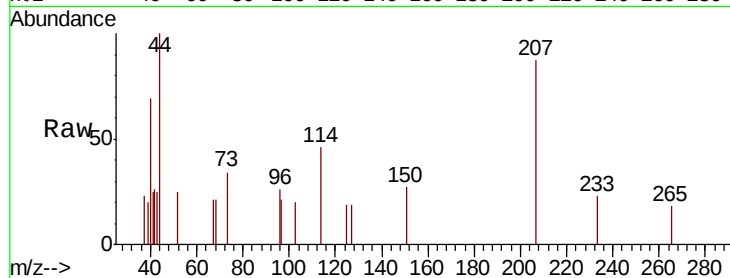
Tot Ion:114 Resp: 250

Ion Ratio Lower Upper

114 100

63 0.0 0.0 37.4

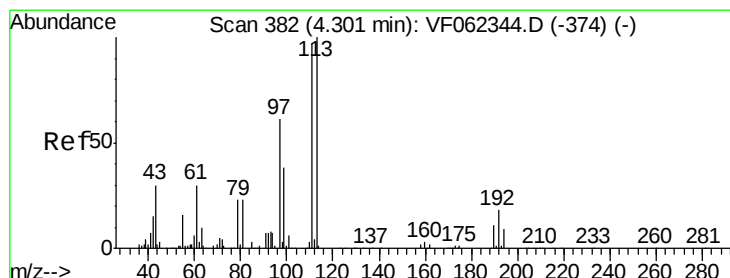
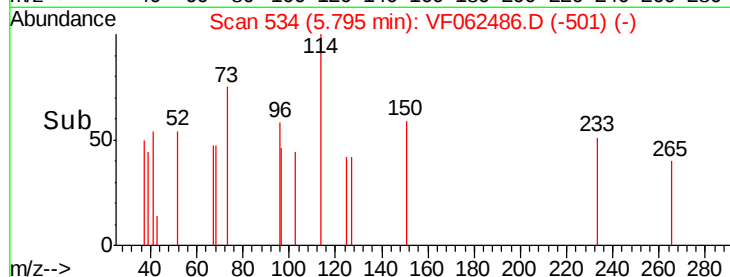
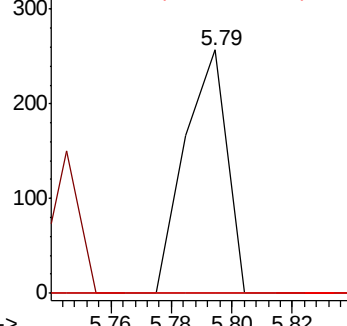
88 0.0 0.0 36.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0



#35

Dibromofluoromethane

Concen: 120.500 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.01 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

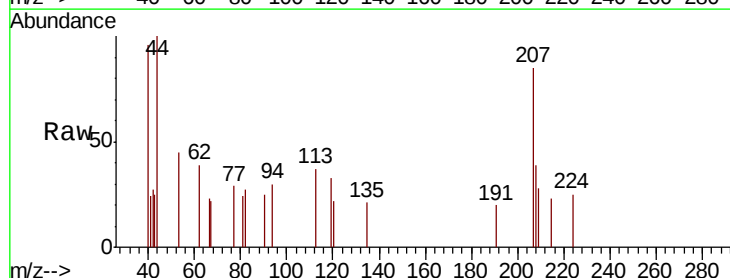
Tgt Ion:113 Resp: 240

Ion Ratio Lower Upper

113 100

111 29.2 79.4 119.0#

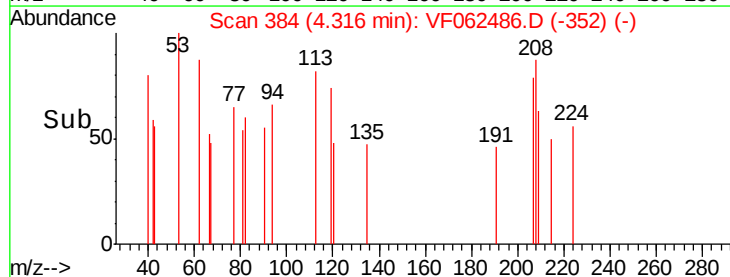
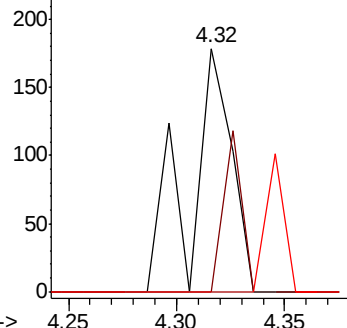
192 0.0 16.0 24.0#

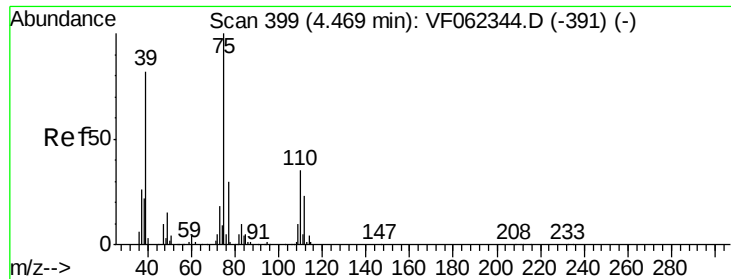


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 64.258 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.04 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

Instrument :

MSVOA_F

ClientSampleId :

P021-SS005-0612-01

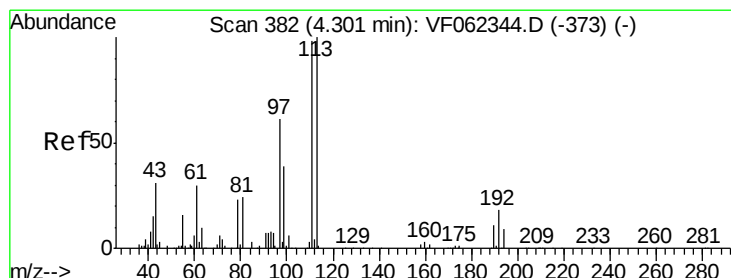
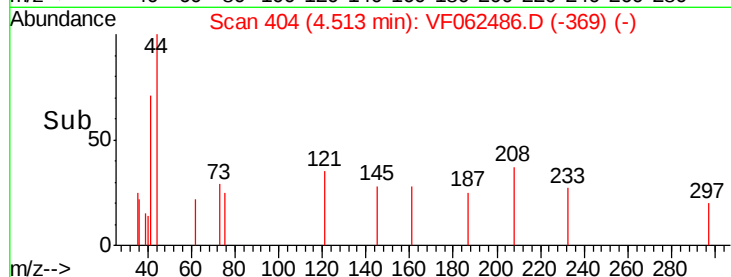
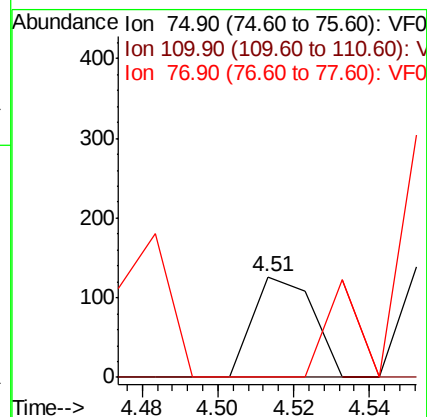
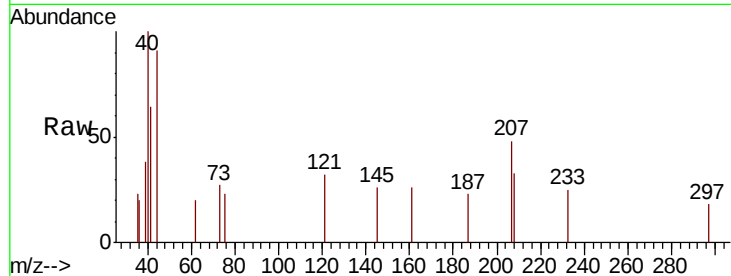
Tot Ion: 75 Resp: 138

Ion Ratio Lower Upper

75 100

110 0.0 17.2 51.5#

77 0.0 25.2 37.8#



#37

Ethyl Acetate

Concen: 207.969 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.01 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

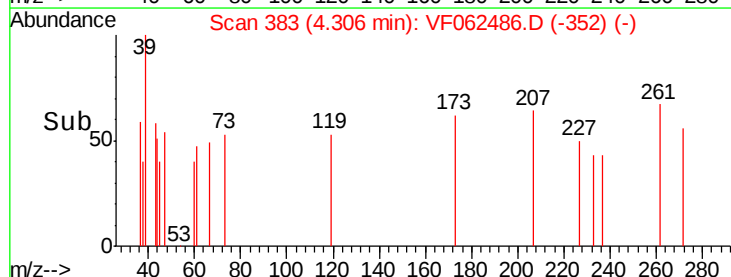
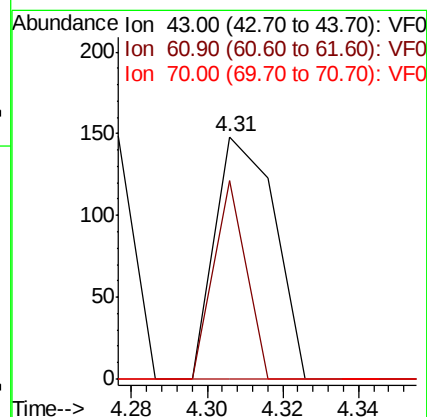
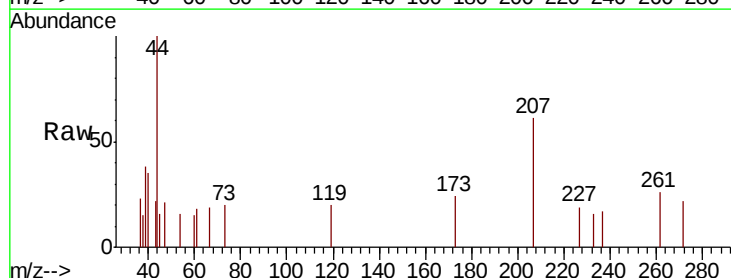
Tgt Ion: 43 Resp: 160

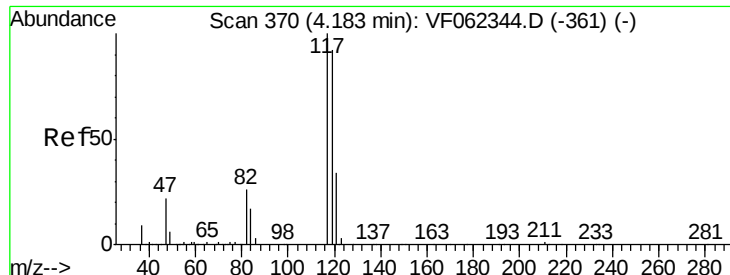
Ion Ratio Lower Upper

43 100

61 45.0 0.0 0.0#

70 0.0 8.2 12.2#





#38

Carbon Tetrachloride

Concen: 46.493 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.11 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

Instrument :

MSVOA_F

ClientSampleId :

P021-SS005-0612-01

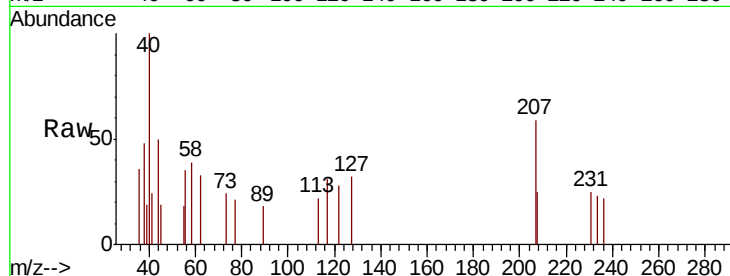
Tot Ion:117 Resp: 104

Ion Ratio Lower Upper

117 100

119 0.0 73.4 110.2#

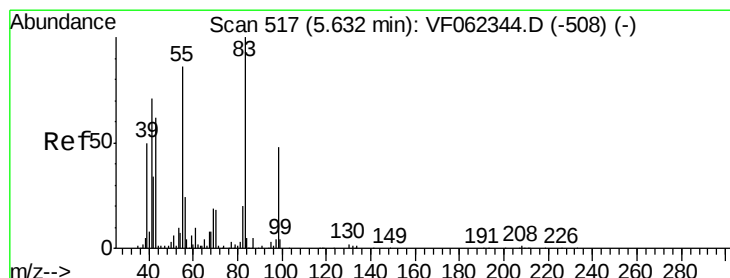
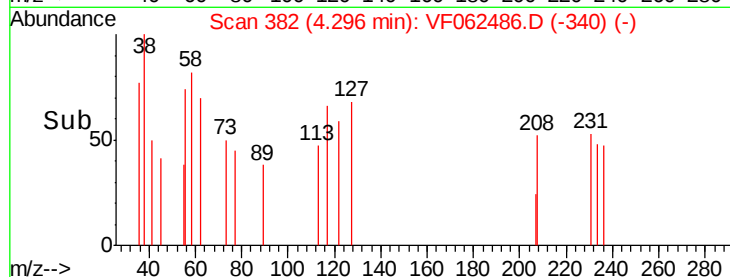
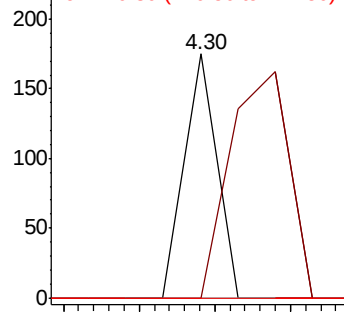
121 0.0 27.4 41.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 32.964 ug/l

RT: 5.73 min Scan# 527

Delta R.T. 0.09 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

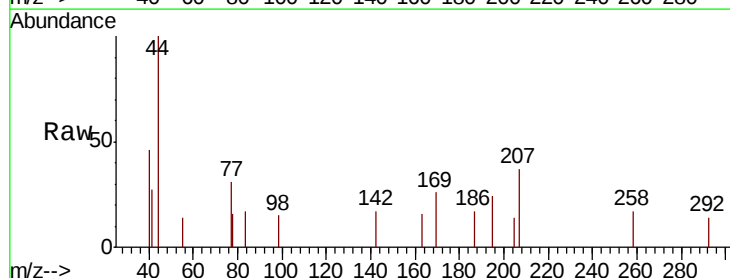
Tgt Ion: 83 Resp: 71

Ion Ratio Lower Upper

83 100

55 85.8 69.0 103.6

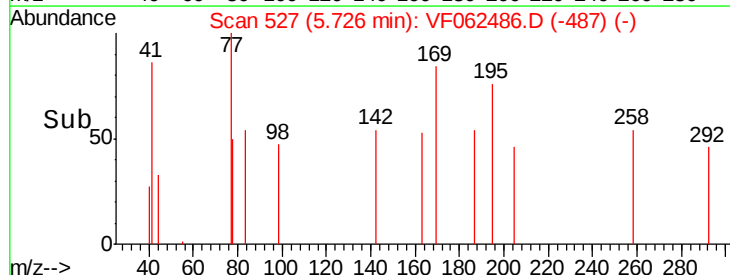
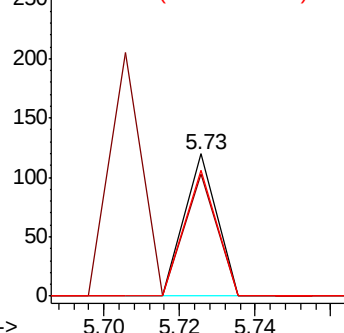
98 88.3 38.6 58.0#

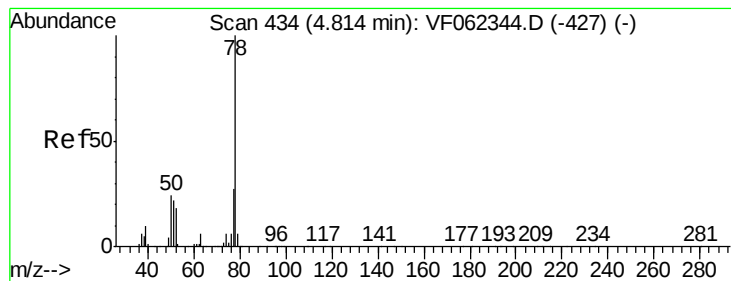


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#40

Benzene

Concen: 16.494 ug/l

RT: 4.82 min Scan# 435

Delta R.T. 0.00 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

Instrument :

MSVOA_F

ClientSampleId :

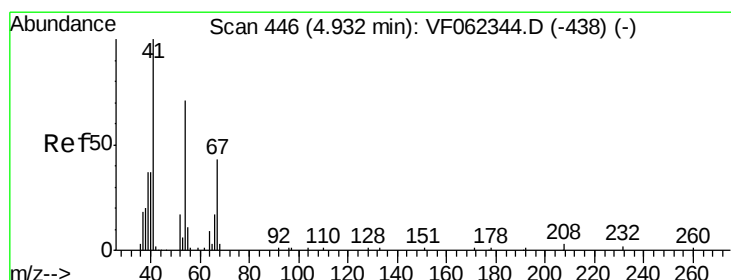
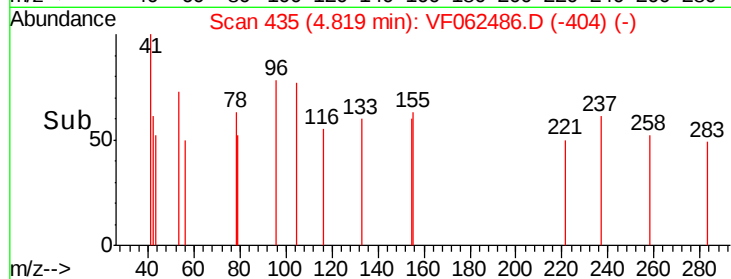
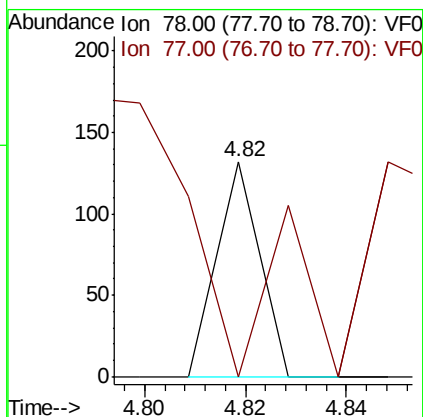
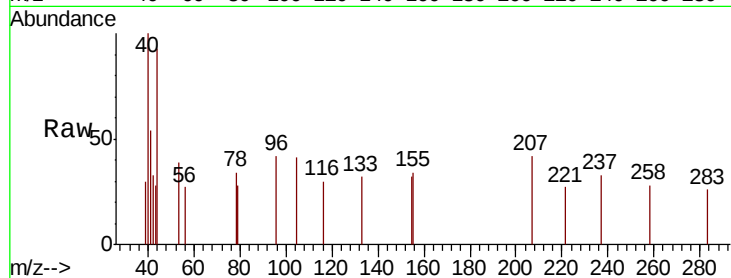
P021-SS005-0612-01

Tot Ion: 78 Resp: 78

Ion Ratio Lower Upper

78 100

77 0.0 21.6 32.4#



#41

Methacrylonitrile

Concen: 586.465 ug/l

RT: 4.95 min Scan# 448

Delta R.T. 0.01 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

Tgt Ion: 41 Resp: 302

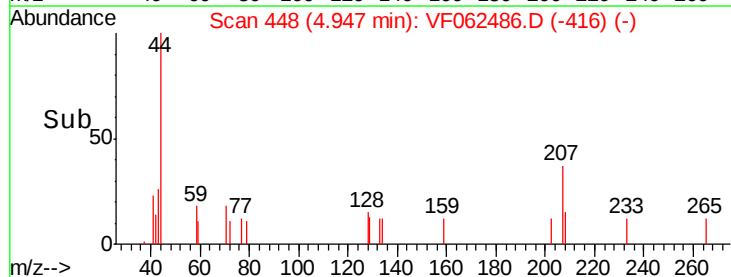
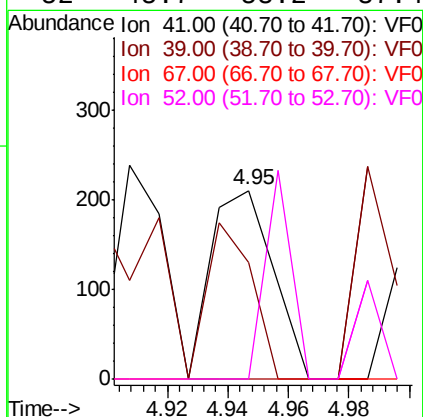
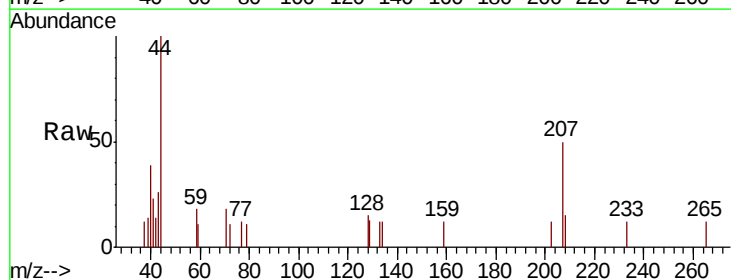
Ion Ratio Lower Upper

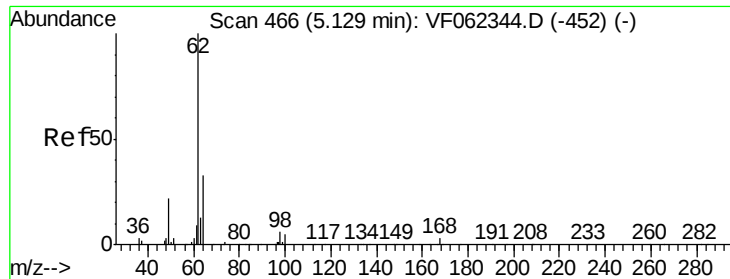
41 100

39 59.6 54.3 81.5

67 0.0 37.8 56.8#

52 45.7 58.2 87.4#





#42

1,2-Dichloroethane

Concen: 68.255 ug/l

RT: 5.32 min Scan# 486

Delta R.T. 0.19 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

Instrument :

MSVOA_F

ClientSampleId :

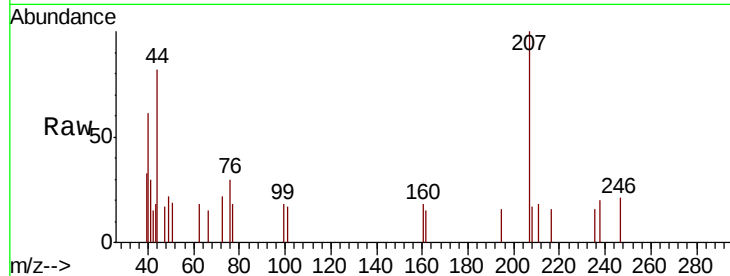
P021-SS005-0612-01

Tot Ion: 62 Resp: 135

Ion Ratio Lower Upper

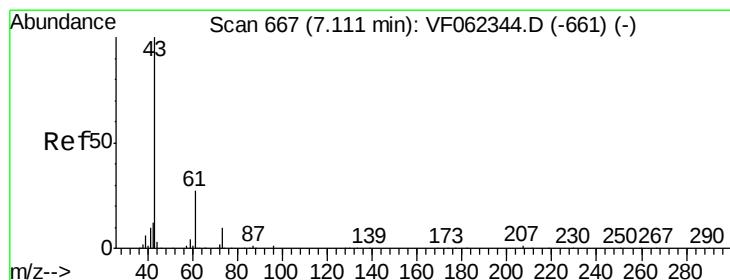
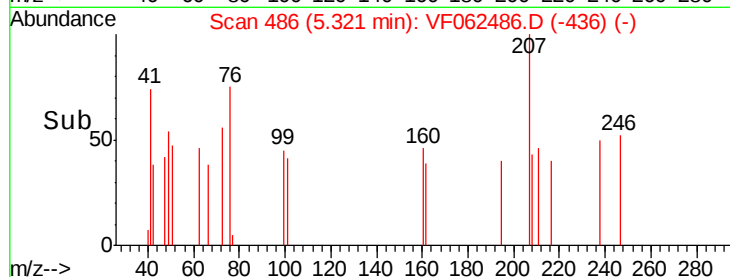
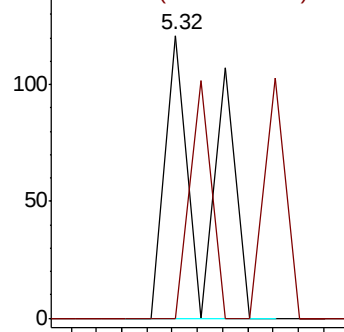
62 100

98 44.4 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: 135.131 ug/l

RT: 7.18 min Scan# 675

Delta R.T. 0.07 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

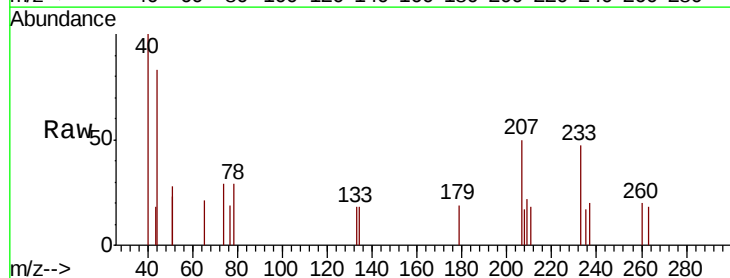
Tgt Ion: 43 Resp: 132

Ion Ratio Lower Upper

43 100

61 0.0 22.8 34.2#

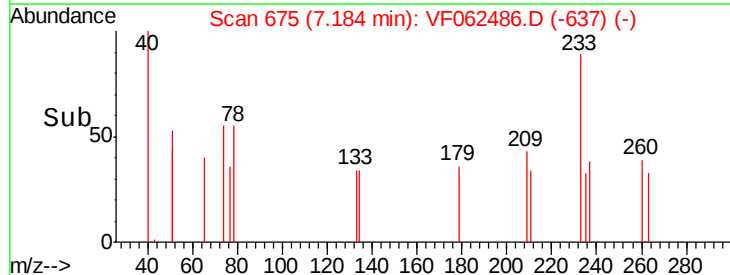
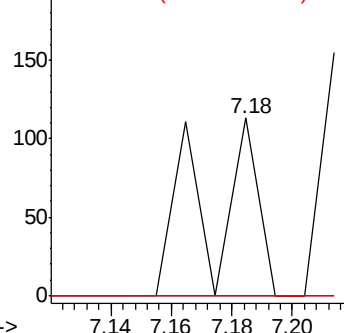
87 0.0 0.6 1.0#

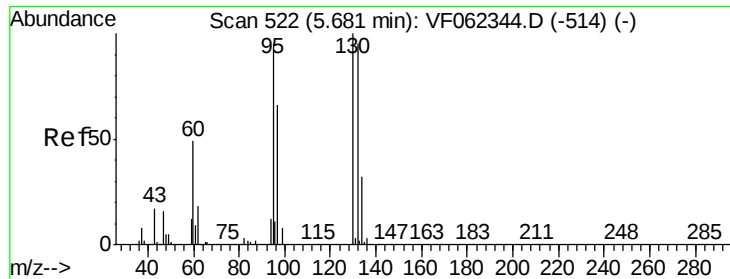


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#44

Trichloroethene

Concen: 37.416 ug/l

RT: 5.82 min Scan# 537

Delta R.T. 0.14 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

Instrument :

MSVOA_F

ClientSampleId :

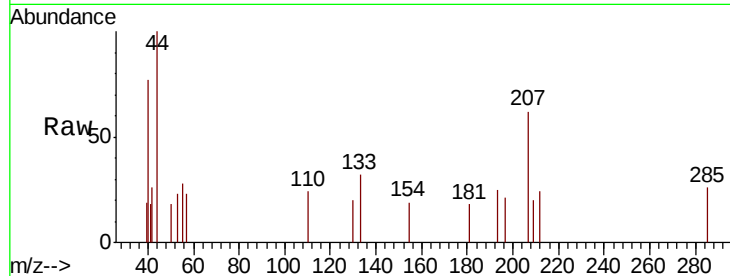
P021-SS005-0612-01

Tot Ion:130 Resp: 65

Ion Ratio Lower Upper

130 100

95 0.0 0.0 189.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VF0

5.82

120

100

80

60

40

20

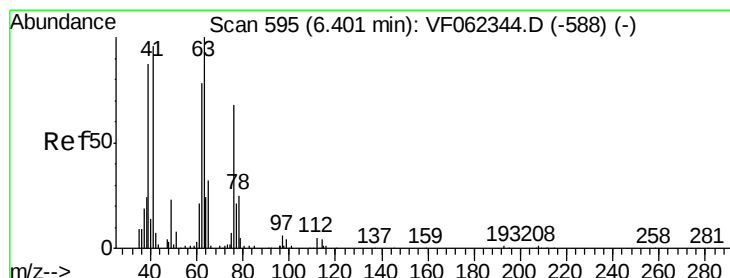
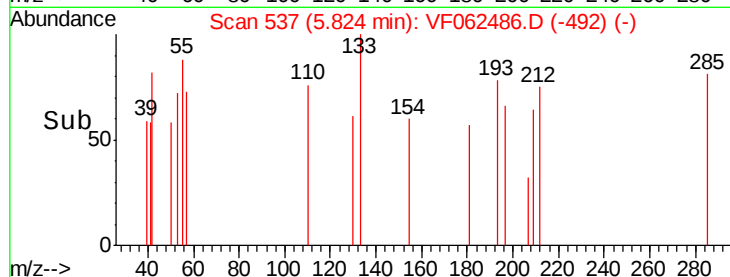
0

Time-->

5.80

5.82

5.84



#45

1,2-Dichloropropane

Concen: 66.283 ug/l

RT: 6.52 min Scan# 608

Delta R.T. 0.12 min

Lab File: VF062486.D

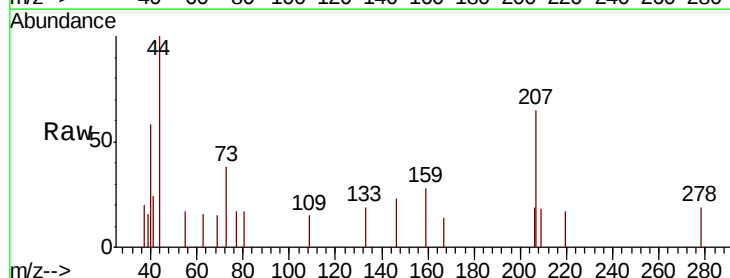
Acq: 12 May 2019 4:47

Tgt Ion: 63 Resp: 71

Ion Ratio Lower Upper

63 100

65 0.0 25.6 38.4#



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 64.90 (64.60 to 65.60): VF0

6.52

100

50

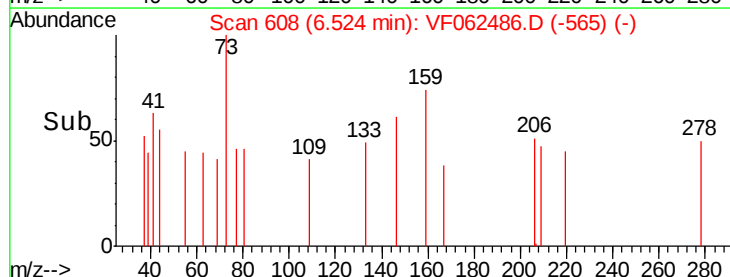
0

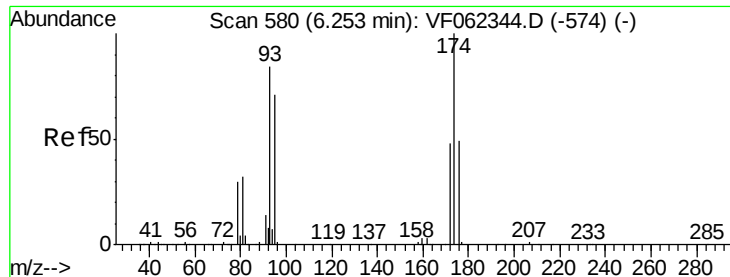
Time-->

6.50

6.52

6.54





#46

Dibromomethane

Concen: 137.368 ug/l

RT: 6.31 min Scan# 586

Delta R.T. 0.05 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

Instrument :

MSVOA_F

ClientSampleId :

P021-SS005-0612-01

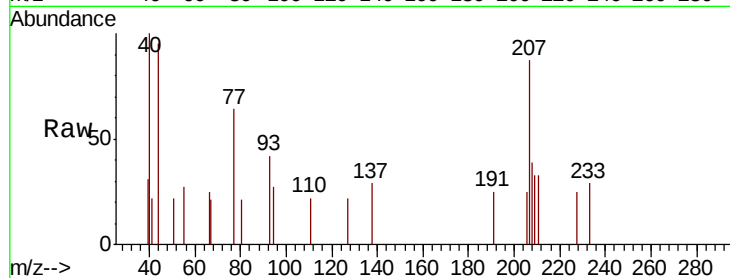
Tot Ion: 93 Resp: 122

Ion Ratio Lower Upper

93 100

95 0.0 68.4 102.6#

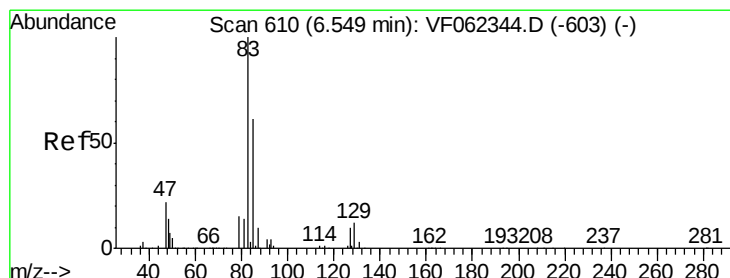
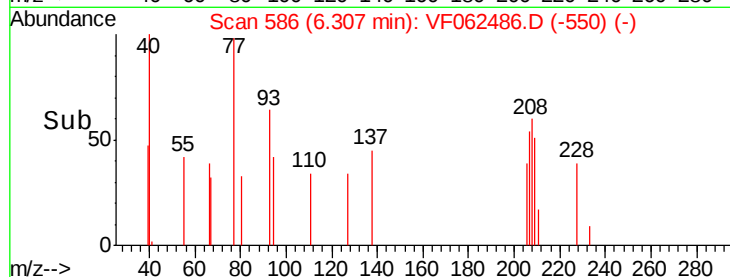
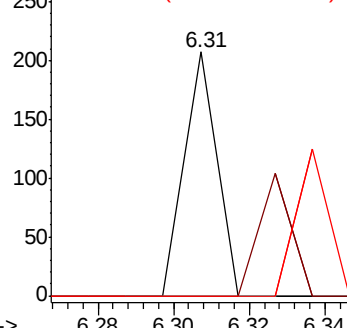
174 0.0 99.6 149.4#



Abundance Ion 92.80 (92.50 to 93.50): VF0

Ion 94.80 (94.50 to 95.50): VF0

Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 37.830 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

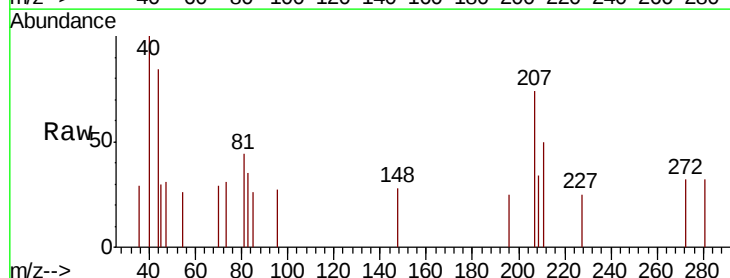
Tgt Ion: 83 Resp: 84

Ion Ratio Lower Upper

83 100

85 73.9 49.1 73.7#

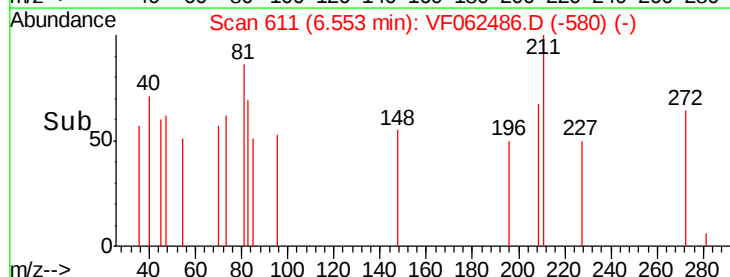
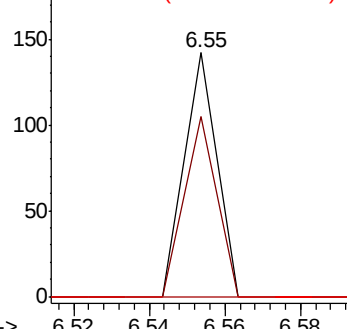
127 0.0 7.8 11.8#

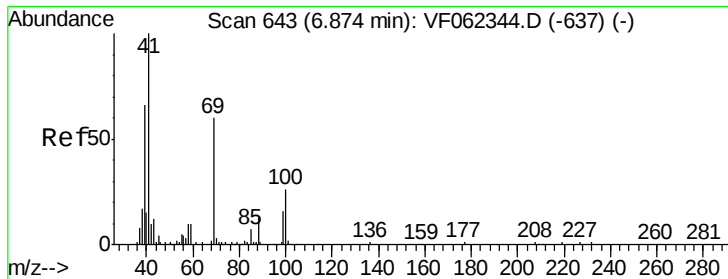


Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 126.80 (126.50 to 127.50): V

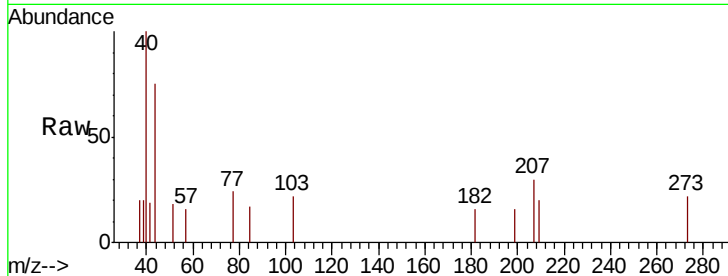




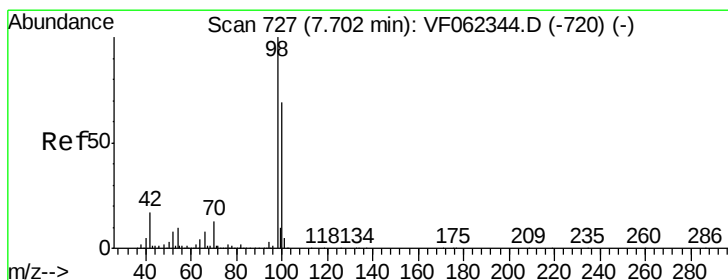
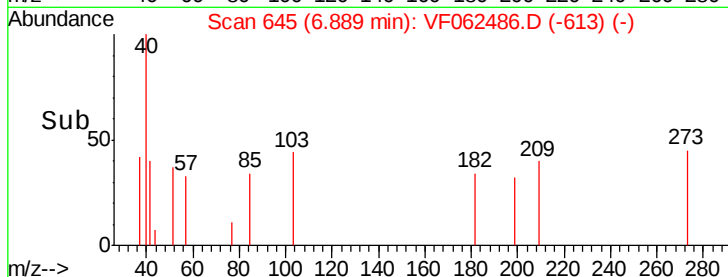
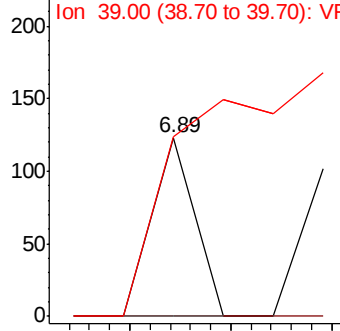
#48
Methvl methacrylate
Concen: 105.749 ug/l
RT: 6.89 min Scan# 645
Delta R.T. 0.01 min
Lab File: VF062486.D
Acq: 12 May 2019 4:47

Instrument :
MSVOA_F
ClientSampleId :
P021-SS005-0612-01

Tot Ion: 41 Resp: 73
Ion Ratio Lower Upper
41 100
69 0.0 48.6 72.8#
39 0.0 56.1 84.1#

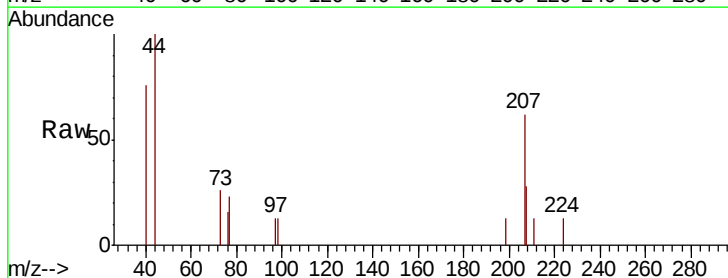


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0

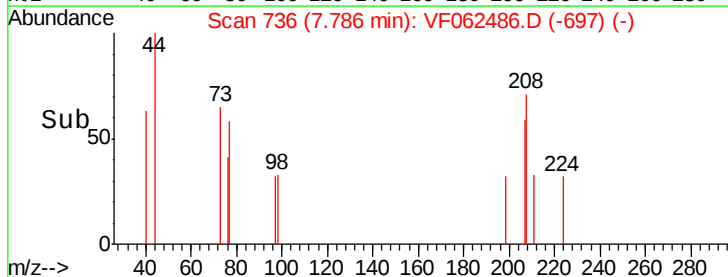
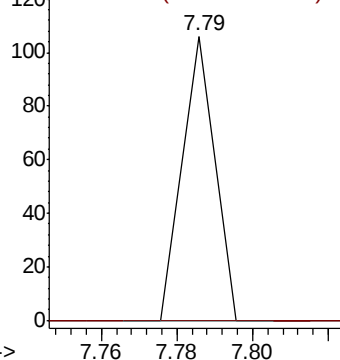


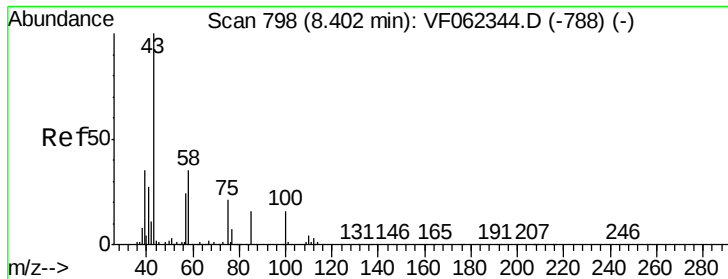
#50
Toluene-d8
Concen: 13.067 ug/l
RT: 7.79 min Scan# 736
Delta R.T. 0.08 min
Lab File: VF062486.D
Acq: 12 May 2019 4:47

Tgt Ion: 98 Resp: 63
Ion Ratio Lower Upper
98 100
100 0.0 53.3 79.9#



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 213.459 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.03 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

Instrument :

MSVOA_F

ClientSampleId :

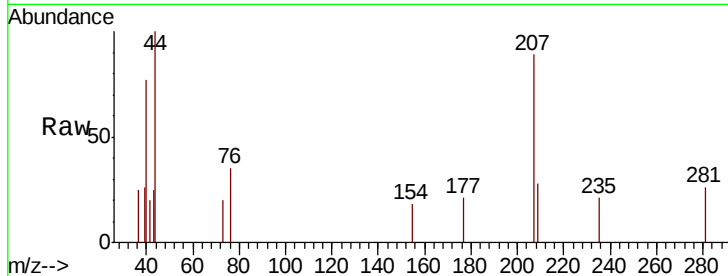
P021-SS005-0612-01

Tot Ion: 43 Resp: 158

Ion Ratio Lower Upper

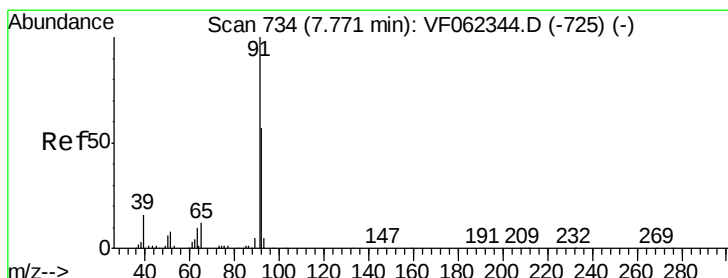
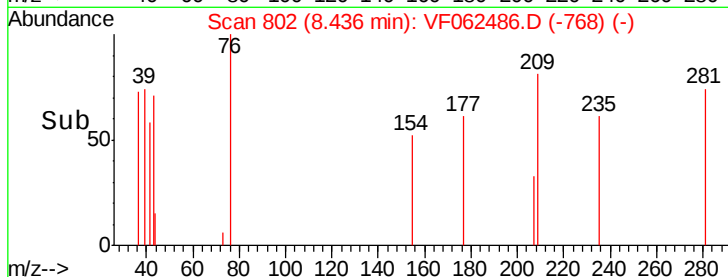
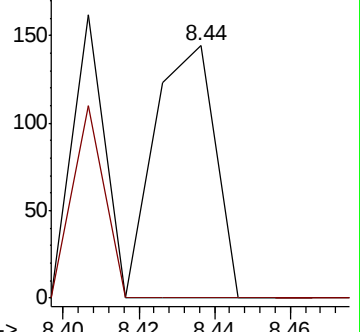
43 100

58 0.0 27.8 41.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.566 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF062486.D

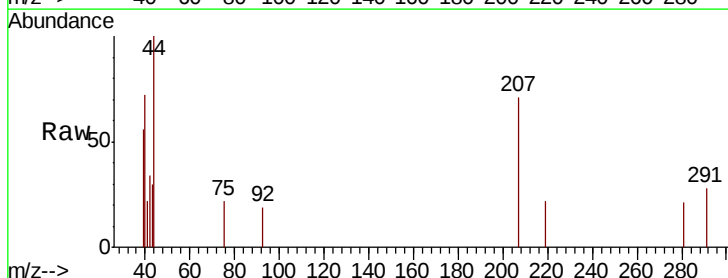
Acq: 12 May 2019 4:47

Tgt Ion: 92 Resp: 60

Ion Ratio Lower Upper

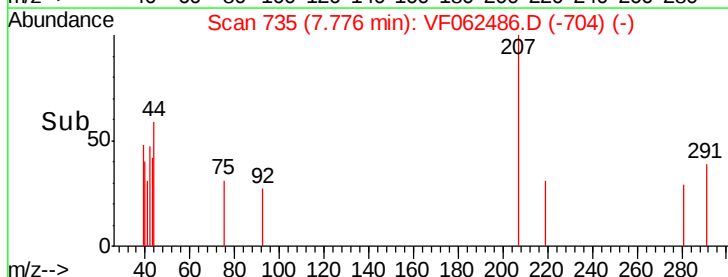
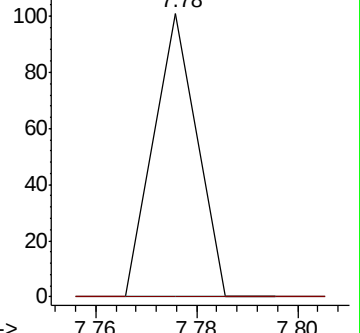
92 100

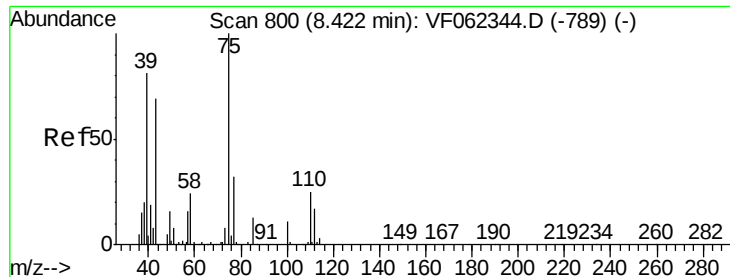
91 0.0 138.7 208.1#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 50.018 ug/l

RT: 8.49 min Scan# 807

Delta R.T. 0.06 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

Instrument :

MSVOA_F

ClientSampleId :

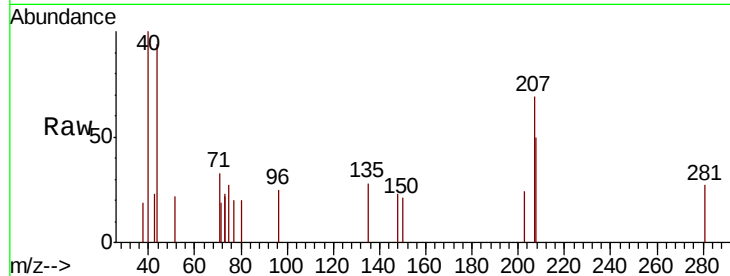
P021-SS005-0612-01

Tot Ion: 75 Resp: 84

Ion Ratio Lower Upper

75 100

77 72.5 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 76.90 (76.60 to 77.60): VF0

200

150

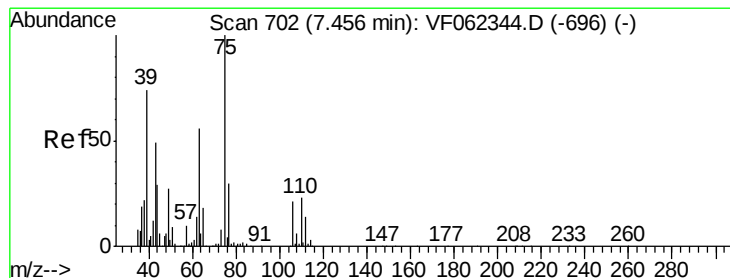
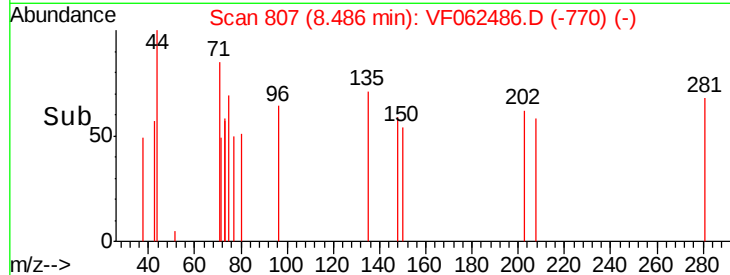
100

50

0

8.46 8.48 8.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 32.233 ug/l

RT: 7.54 min Scan# 711

Delta R.T. 0.08 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

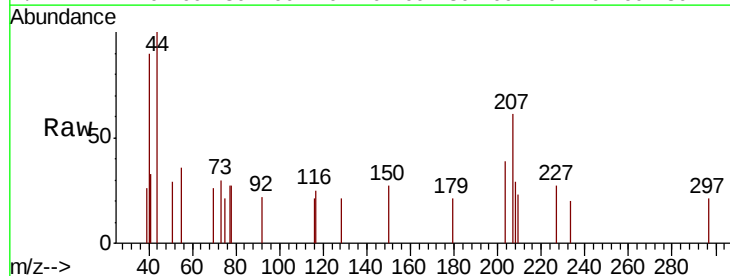
Tgt Ion: 75 Resp: 63

Ion Ratio Lower Upper

75 100

77 125.2 24.0 36.0#

39 123.4 58.7 88.1#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 76.90 (76.60 to 77.60): VF0

Ion 39.00 (38.70 to 39.70): VF0

400

300

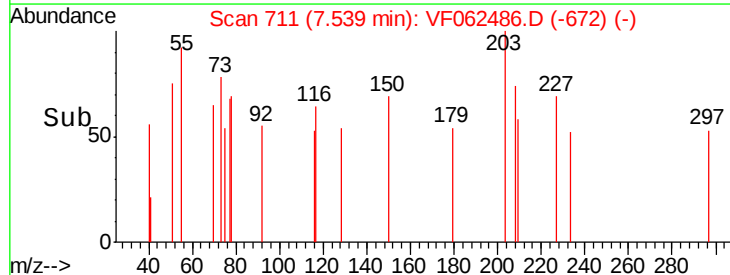
200

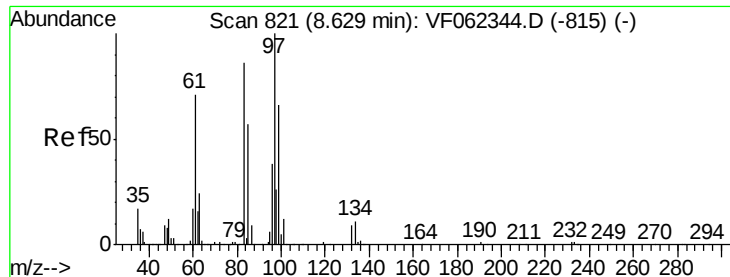
100

0

7.50 7.52 7.54 7.56

Time-->





#55

1,1,2-Trichloroethane

Concen: 145.766 ug/l

RT: 8.75 min Scan# 834

Delta R.T. 0.12 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

Instrument :

MSVOA_F

ClientSampleId :

P021-SS005-0612-01

Tot Ion: 97 Resp: 135

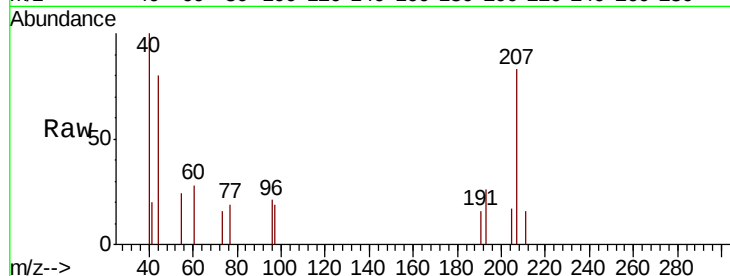
Ion Ratio Lower Upper

97 100

83 0.0 68.5 102.7#

85 0.0 45.4 68.2#

99 0.0 52.7 79.1#

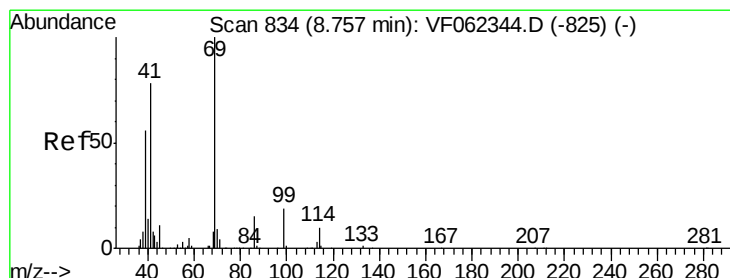
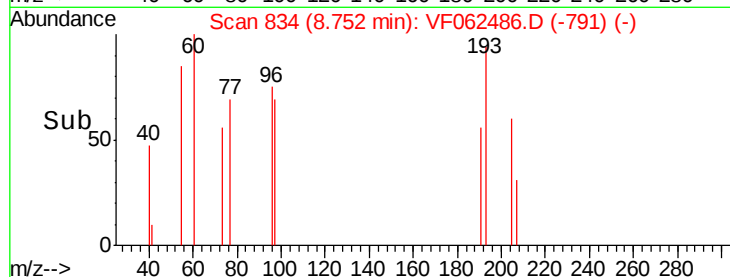
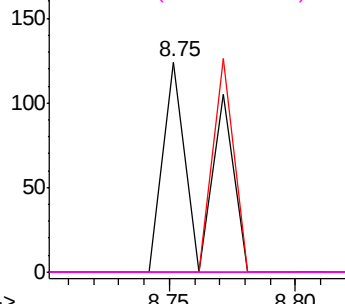


Abundance Ion 96.90 (96.60 to 97.60): VF0

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: 79.784 ug/l

RT: 8.78 min Scan# 837

Delta R.T. 0.02 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

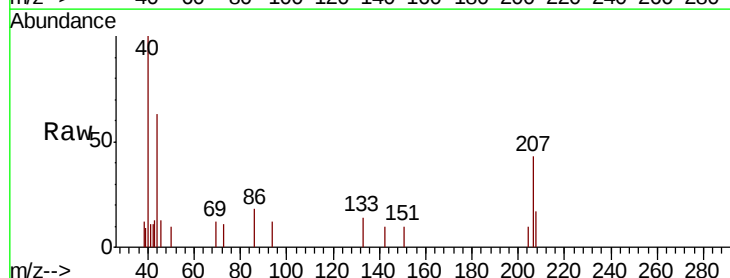
Tgt Ion: 69 Resp: 78

Ion Ratio Lower Upper

69 100

41 164.1 66.3 99.5#

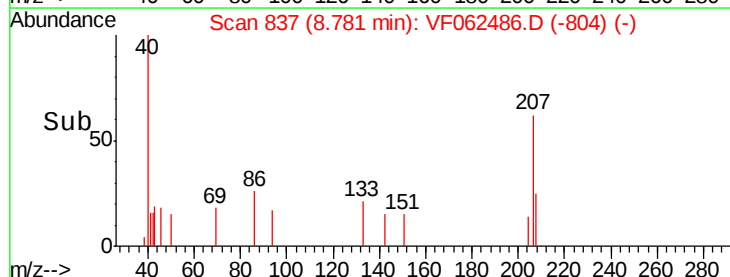
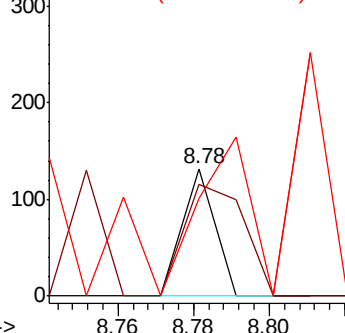
39 201.3 50.1 75.1#

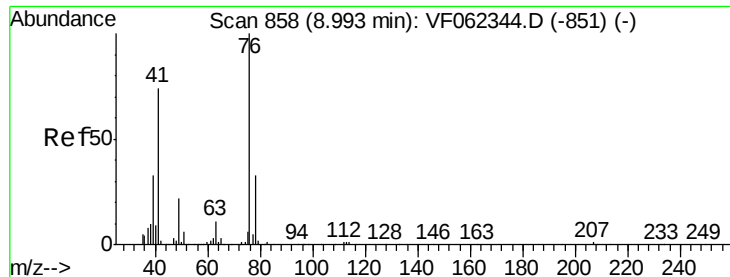


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 55.041 ug/l

RT: 9.18 min Scan# 877

Delta R.T. 0.18 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

Instrument :

MSVOA_F

ClientSampleId :

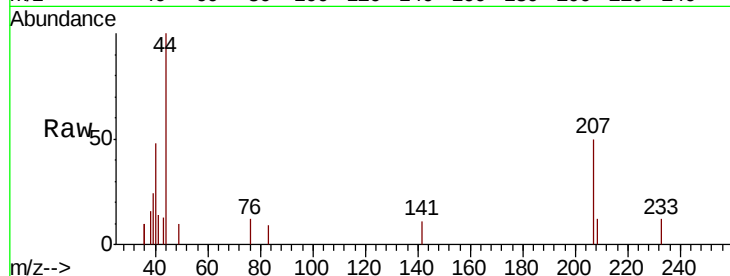
P021-SS005-0612-01

Tot Ion: 76 Resp: 77

Ion Ratio Lower Upper

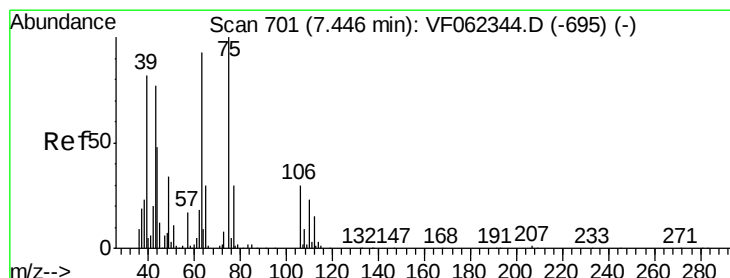
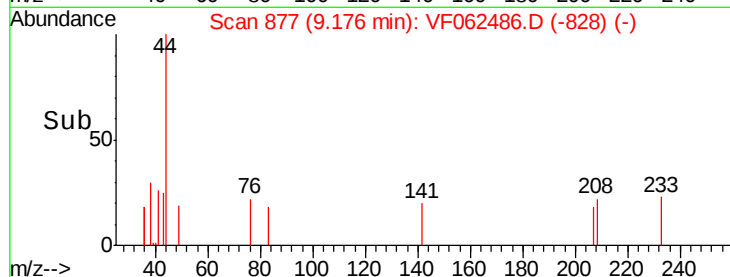
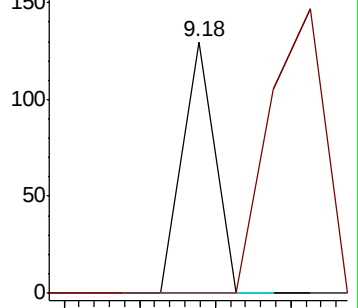
76 100

78 0.0 26.4 39.6#



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 306.204 ug/l

RT: 7.56 min Scan# 713

Delta R.T. 0.11 min

Lab File: VF062486.D

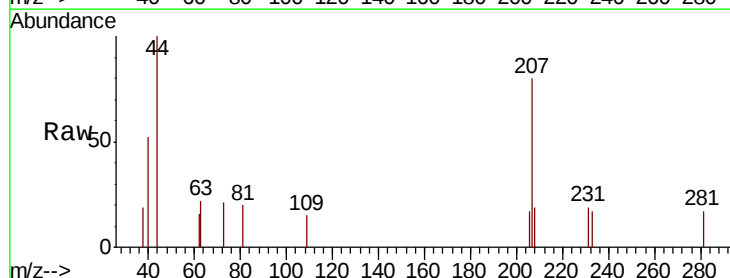
Acq: 12 May 2019 4:47

Tgt Ion: 63 Resp: 90

Ion Ratio Lower Upper

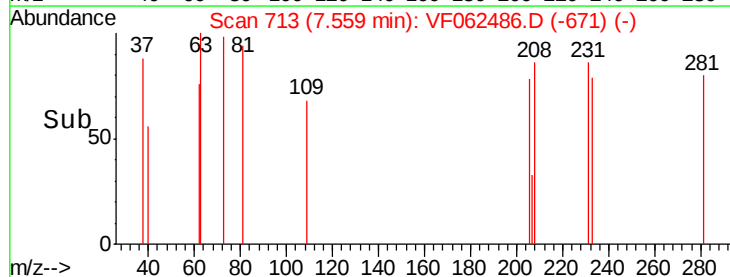
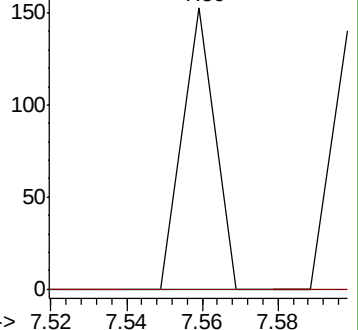
63 100

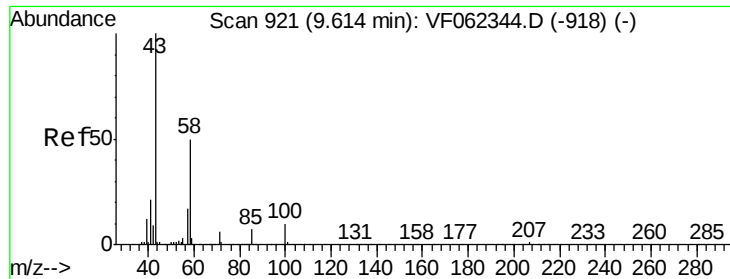
106 0.0 25.8 38.8#



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V

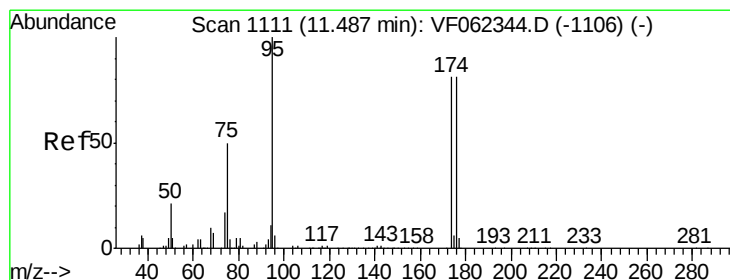
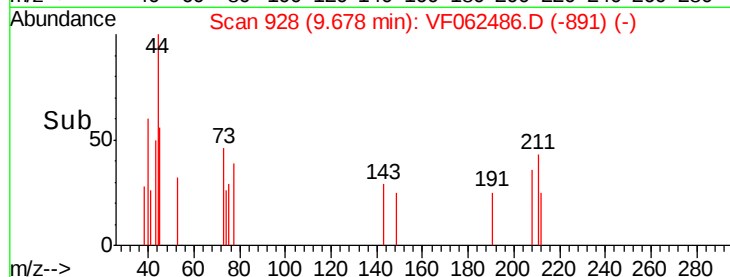
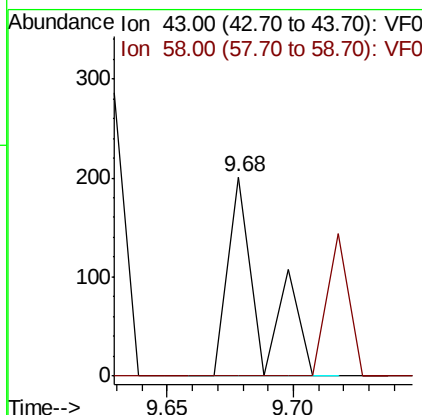
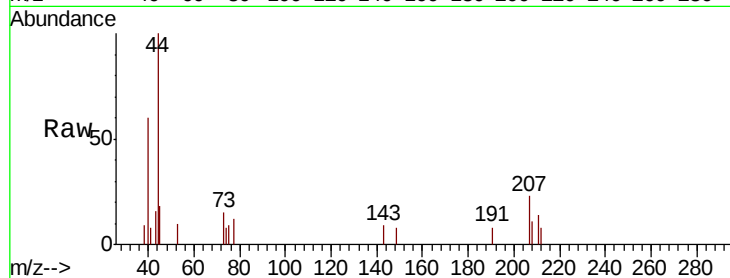




#59
2-Hexanone
Concen: 355.528 ug/l
RT: 9.68 min Scan# 928
Delta R.T. 0.06 min
Lab File: VF062486.D
Acq: 12 May 2019 4:47

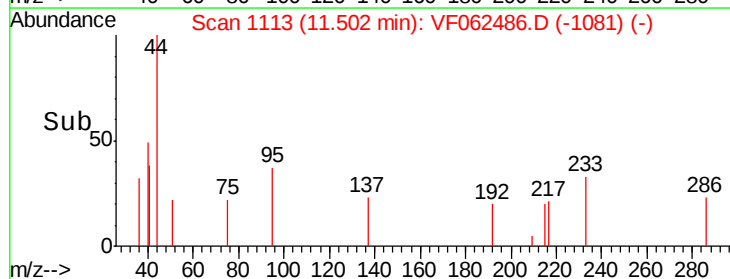
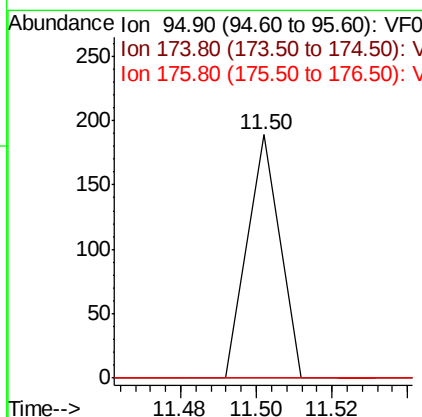
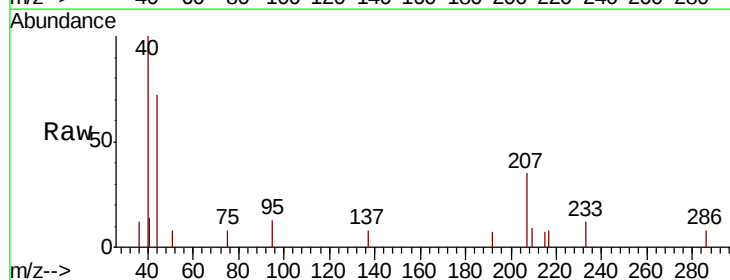
Instrument :
MSVOA_F
ClientSampleId :
P021-SS005-0612-01

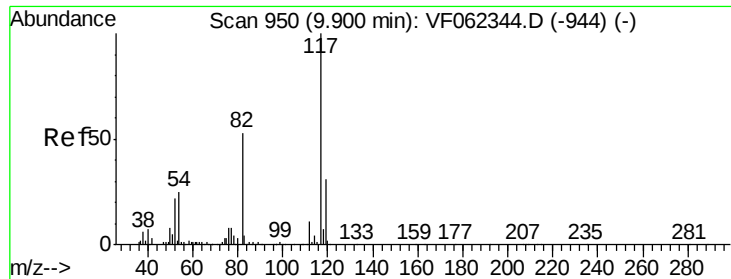
Tot Ion: 43 Resp: 182
Ion Ratio Lower Upper
43 100
58 0.0 24.3 73.0#



#62
4-Bromofluorobenzene
Concen: 51.490 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VF062486.D
Acq: 12 May 2019 4:47

Tgt Ion: 95 Resp: 112
Ion Ratio Lower Upper
95 100
174 0.0 0.0 191.8
176 0.0 0.0 193.2

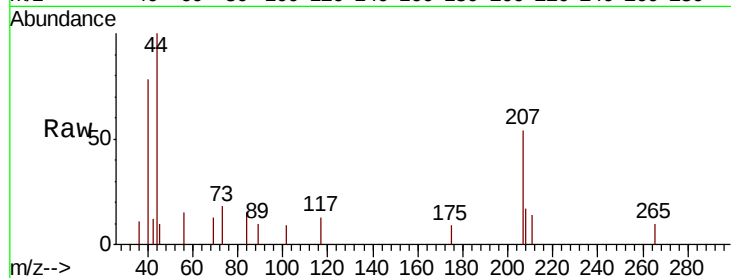




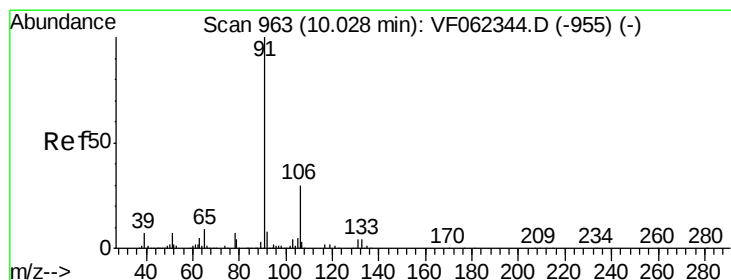
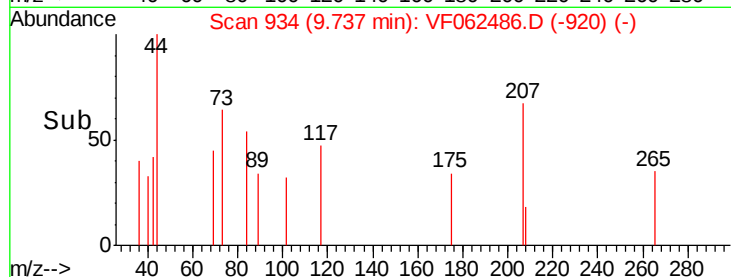
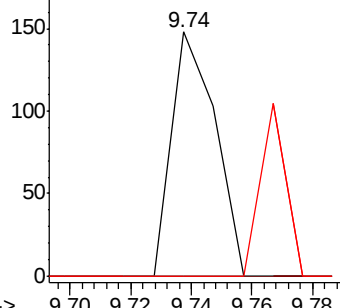
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.74 min Scan# 934
Delta R.T. -0.16 min
Lab File: VF062486.D
Acq: 12 May 2019 4:47

Instrument :
MSVOA_F
ClientSampleId :
P021-SS005-0612-01

Tot Ion:117 Resp: 148
Ion Ratio Lower Upper
117 100
82 0.0 42.2 63.2#
119 0.0 25.0 37.4#

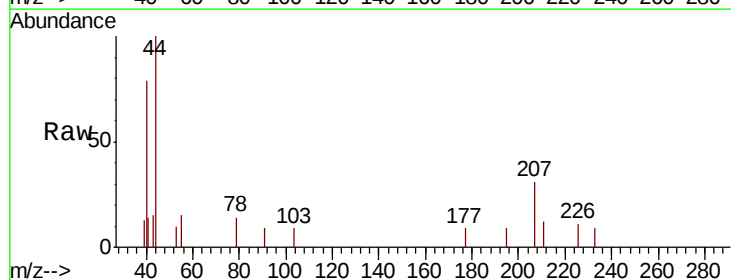


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 118.90 (118.60 to 119.60): V

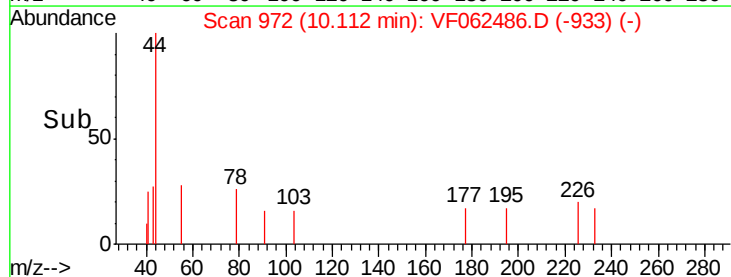
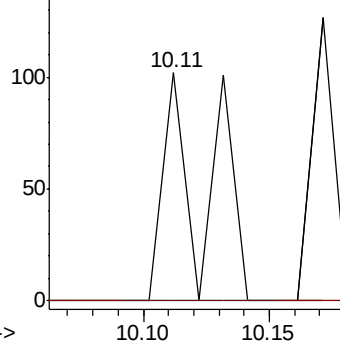


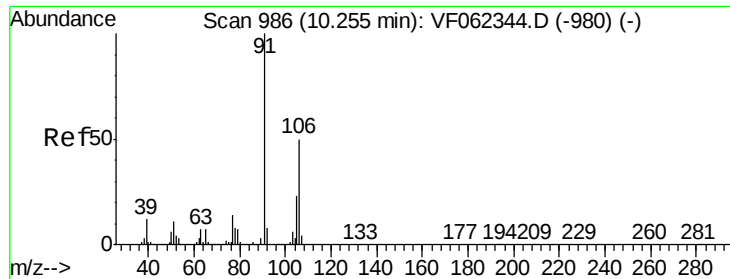
#67
Ethyl Benzene
Concen: 27.985 ug/l
RT: 10.11 min Scan# 972
Delta R.T. 0.08 min
Lab File: VF062486.D
Acq: 12 May 2019 4:47

Tgt Ion: 91 Resp: 120
Ion Ratio Lower Upper
91 100
106 0.0 24.1 36.1#



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

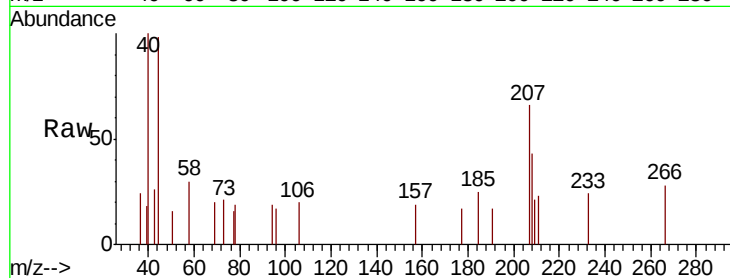




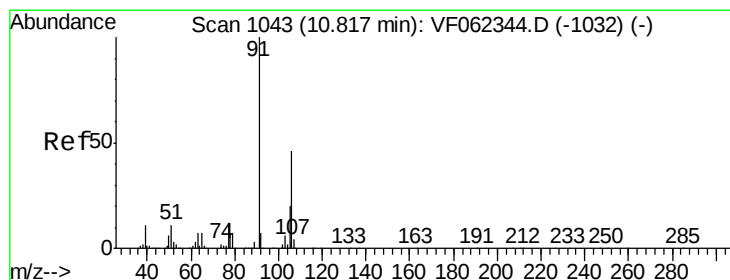
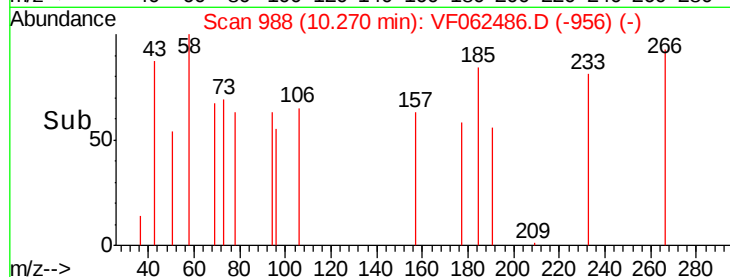
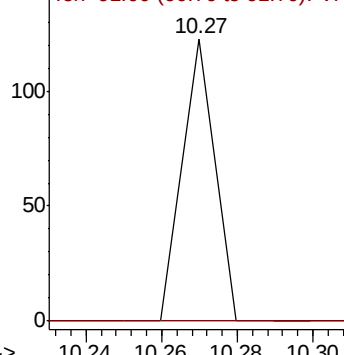
#68
m/p-Xylenes
Concen: 46.141 ug/l
RT: 10.27 min Scan# 988
Delta R.T. 0.01 min
Lab File: VF062486.D
Acq: 12 May 2019 4:47

Instrument :
MSVOA_F
ClientSampleId :
P021-SS005-0612-01

Tot Ion:106 Resp: 73
Ion Ratio Lower Upper
106 100
91 0.0 167.4 251.2#

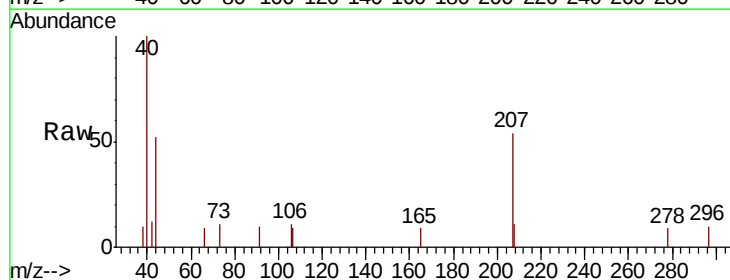


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

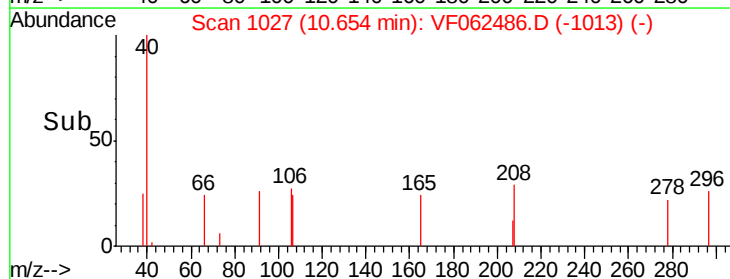
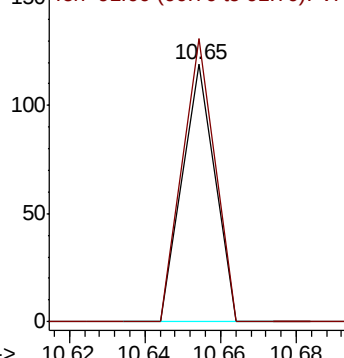


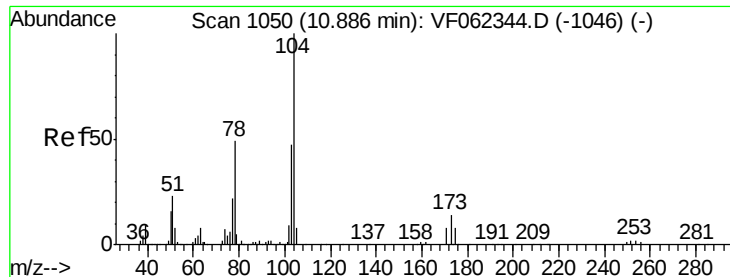
#69
o-Xylene
Concen: 40.946 ug/l
RT: 10.65 min Scan# 1027
Delta R.T. -0.16 min
Lab File: VF062486.D
Acq: 12 May 2019 4:47

Tgt Ion:106 Resp: 70
Ion Ratio Lower Upper
106 100
91 110.0 111.3 333.8#



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





#70

Stvrene

Concen: 25.369 ug/l

RT: 10.79 min Scan# 1041

Delta R.T. -0.09 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

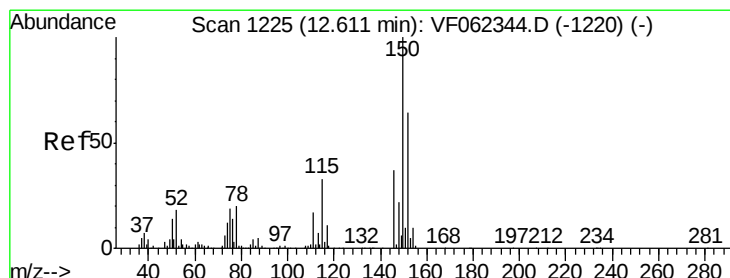
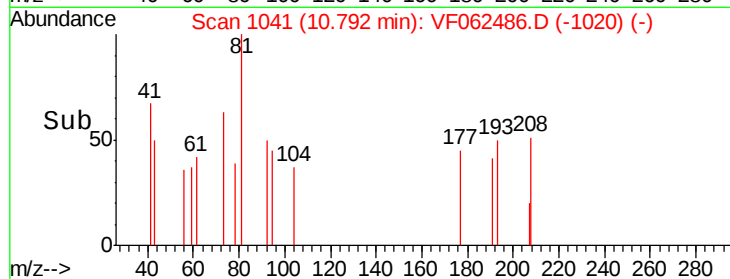
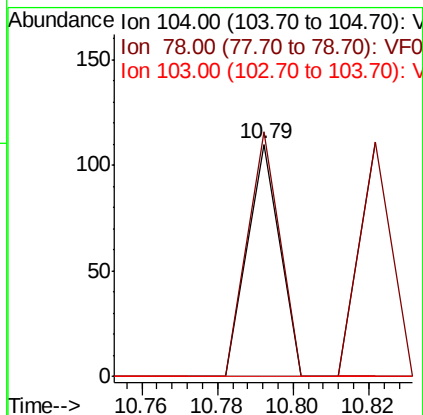
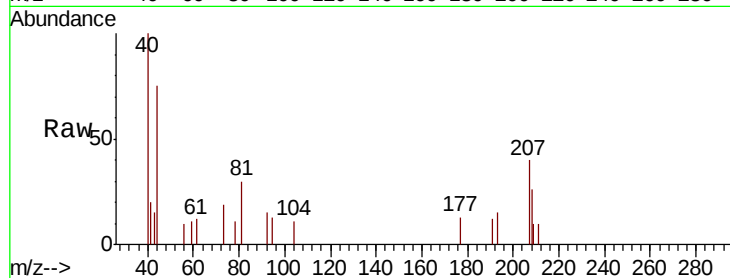
Instrument :

MSVOA_F

ClientSampleId :

P021-SS005-0612-01

Tot Ion:	104	Resp:	65
Ion	Ratio	Lower	Upper
104	100		
78	106.2	39.5	59.3#
103	0.0	38.4	57.6#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

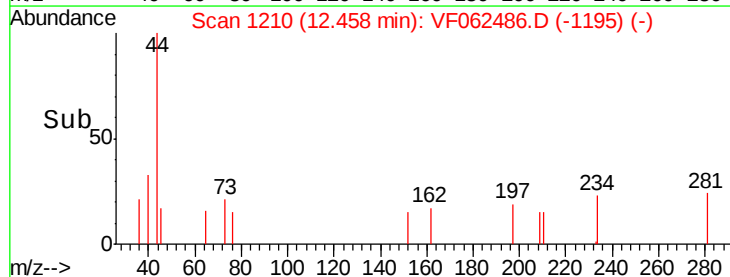
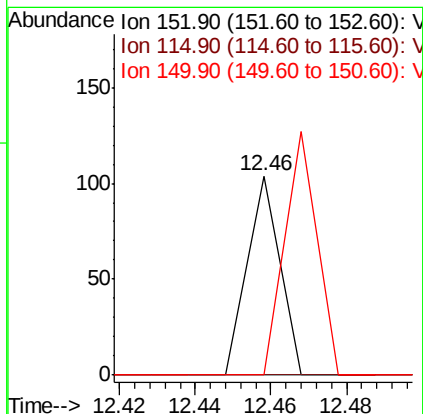
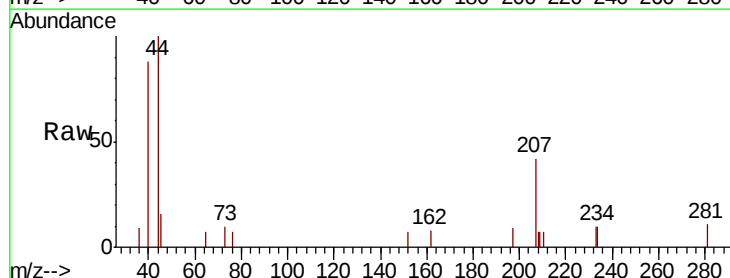
RT: 12.46 min Scan# 1210

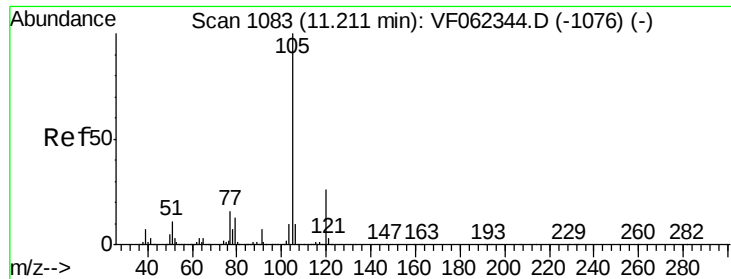
Delta R.T. -0.15 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

Tgt Ion:	152	Resp:	62
Ion	Ratio	Lower	Upper
152	100		
115	0.0	26.4	79.2#
150	121.0	0.0	335.0





#73

Isopropylbenzene

Concen: 24.486 ug/l

RT: 11.12 min Scan# 1074

Delta R.T. -0.09 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

Instrument :

MSVOA_F

ClientSampleId :

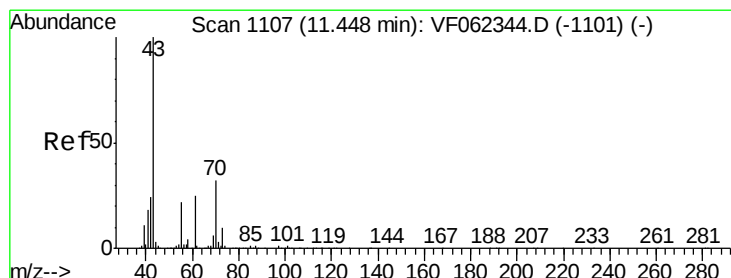
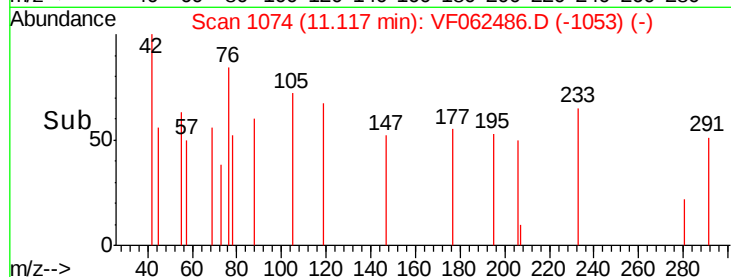
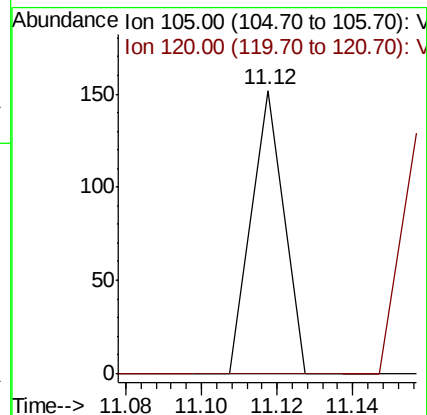
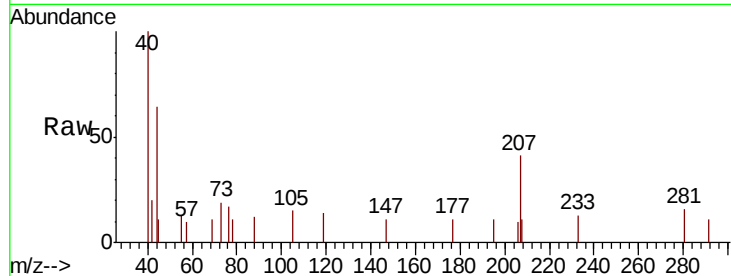
P021-SS005-0612-01

Tot Ion:105 Resp: 90

Ion Ratio Lower Upper

105 100

120 0.0 12.7 38.0#



#74

N-ethyl acetate

Concen: 226.840 ug/l

RT: 11.43 min Scan# 1106

Delta R.T. -0.02 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

Tgt Ion: 43 Resp: 179

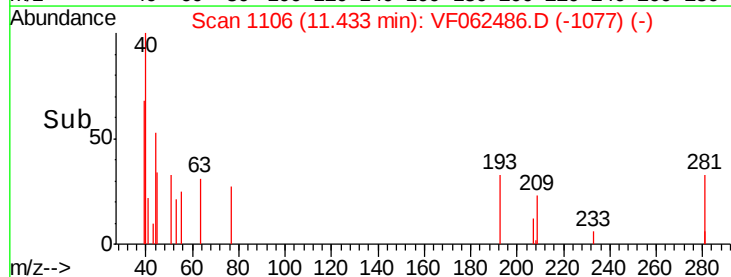
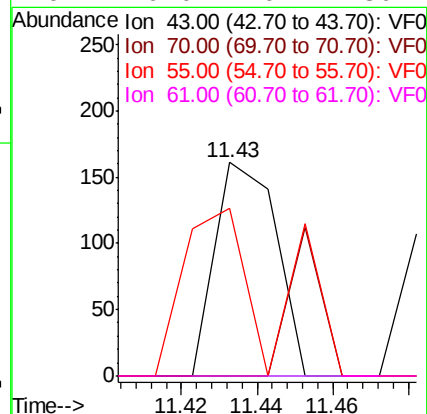
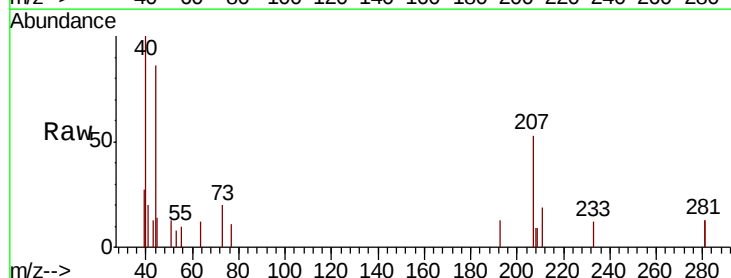
Ion Ratio Lower Upper

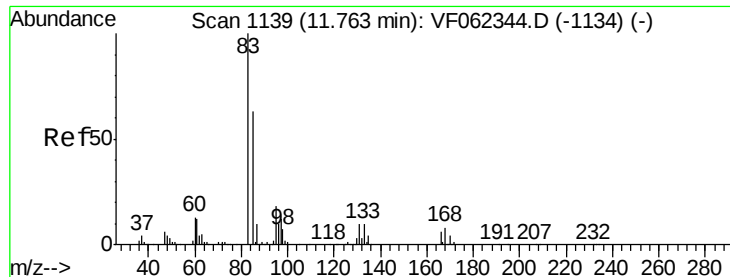
43 100

70 36.9 26.5 39.7

55 116.8 17.8 26.6#

61 0.0 20.2 30.2#





#75

1,1,2,2-Tetrachloroethane

Concen: 161.596 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.04 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

Instrument :

MSVOA_F

ClientSampleId :

P021-SS005-0612-01

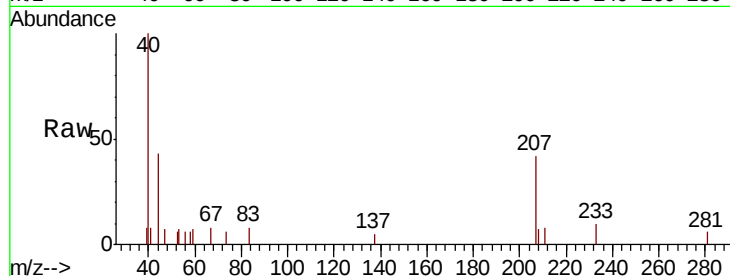
Tot Ion: 83 Resp: 93

Ion Ratio Lower Upper

83 100

131 71.0 5.8 17.4#

85 0.0 35.3 105.7#



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0

11.81

150

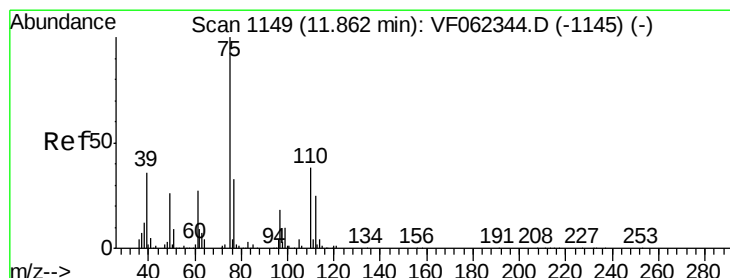
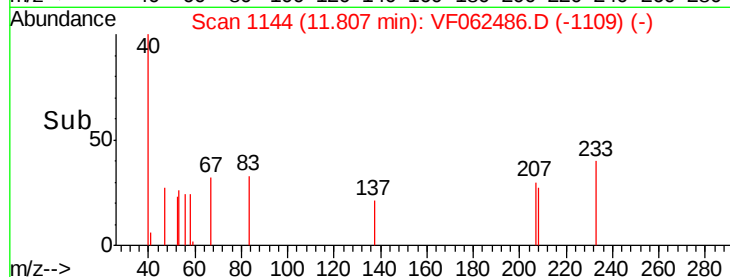
100

50

0

11.78 11.80 11.82 11.84

Time-->



#76

1,2,3-Trichloropropane

Concen: 216.364 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. 0.01 min

Lab File: VF062486.D

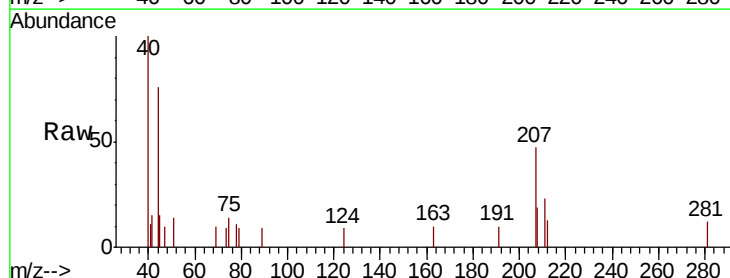
Acq: 12 May 2019 4:47

Tgt Ion: 75 Resp: 95

Ion Ratio Lower Upper

75 100

77 307.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0

300

250

200

150

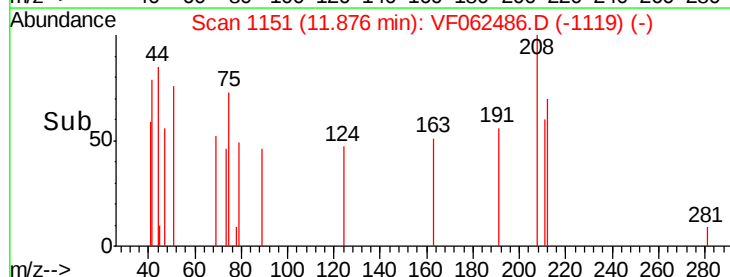
100

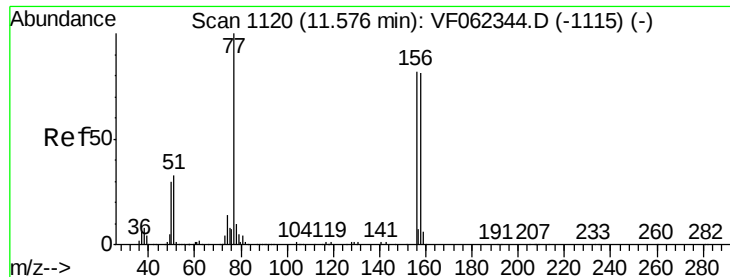
50

0

11.84 11.86 11.88 11.90

Time-->





#77

Bromobenzene

Concen: 82.932 ug/l

RT: 11.34 min Scan# 1097

Delta R.T. -0.23 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

Instrument :

MSVOA_F

ClientSampleId :

P021-SS005-0612-01

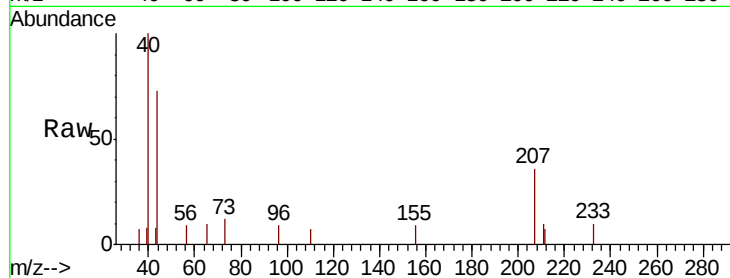
Tot Ion:156 Resp: 80

Ion Ratio Lower Upper

156 100

77 397.5 64.8 194.3#

158 0.0 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

300

250

200

150

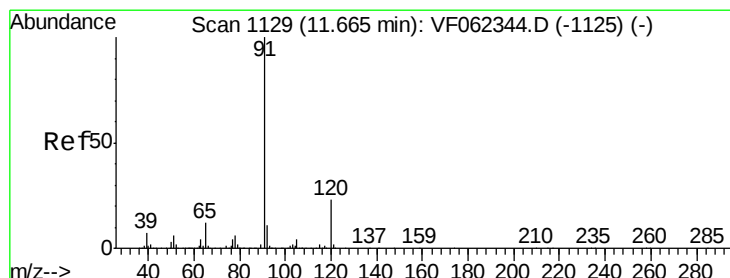
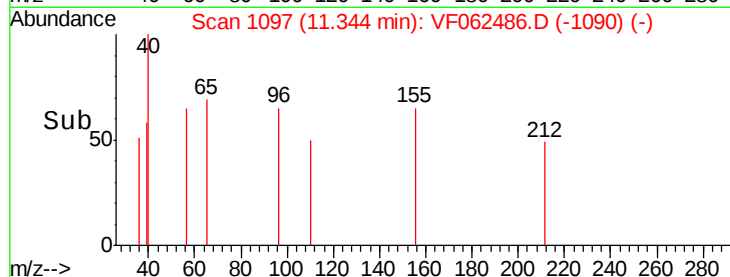
100

50

0

11.32 11.34 11.36

Time-->



#78

n-propylbenzene

Concen: 15.844 ug/l

RT: 11.71 min Scan# 1134

Delta R.T. 0.04 min

Lab File: VF062486.D

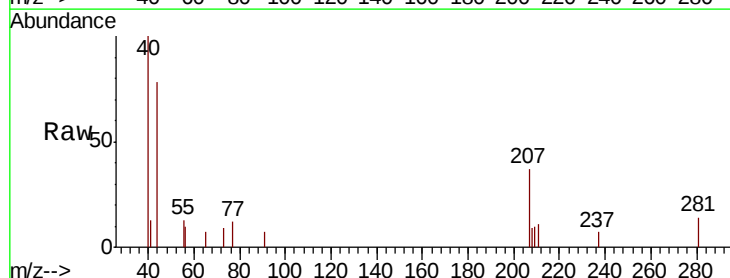
Acq: 12 May 2019 4:47

Tgt Ion: 91 Resp: 62

Ion Ratio Lower Upper

91 100

120 0.0 11.9 35.5#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

120

100

80

60

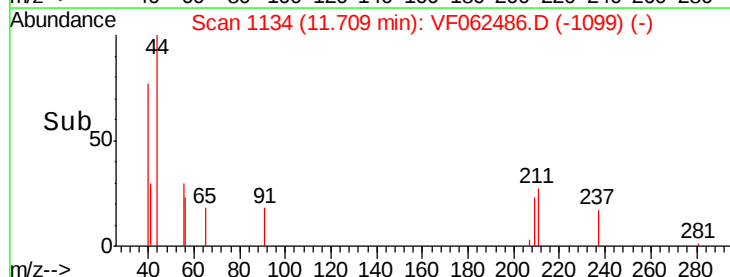
40

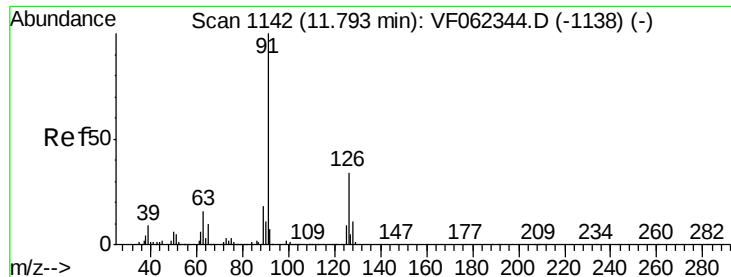
20

0

11.68 11.70 11.72 11.74

Time-->





#79

2-Chlorotoluene

Concen: 29.178 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

Instrument :

MSVOA_F

ClientSampleId :

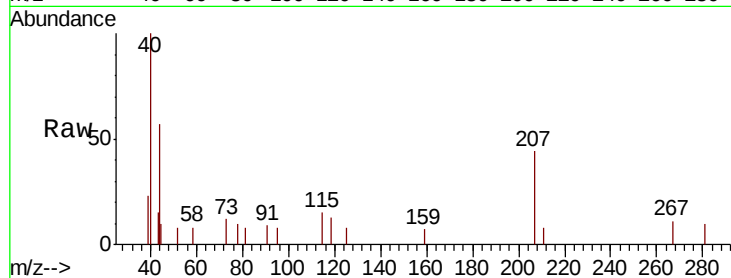
P021-SS005-0612-01

Tot Ion: 91 Resp: 71

Ion Ratio Lower Upper

91 100

126 0.0 17.8 53.4#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V

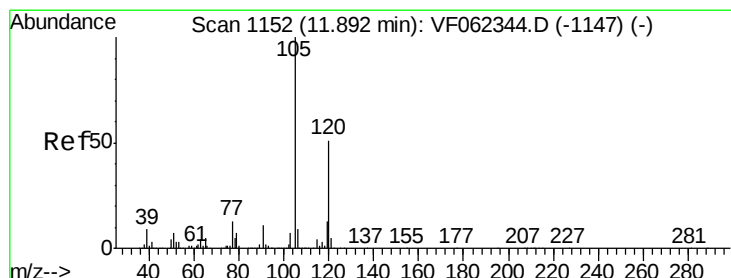
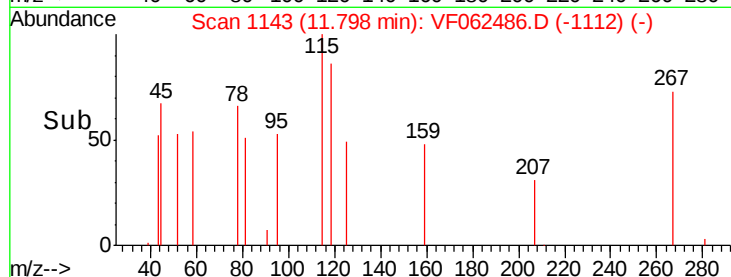
11.80

100

50

0

Time--> 11.76 11.78 11.80 11.82



#80

1,3,5-Trimethylbenzene

Concen: 19.866 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. 0.09 min

Lab File: VF062486.D

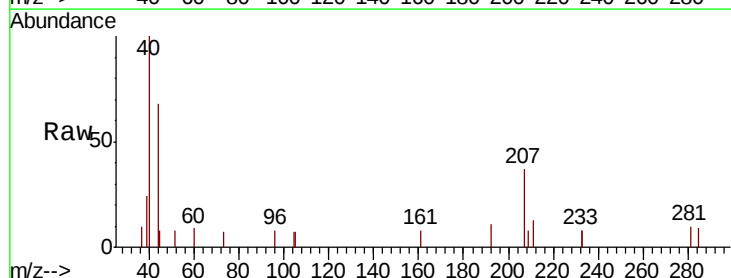
Acq: 12 May 2019 4:47

Tgt Ion: 105 Resp: 64

Ion Ratio Lower Upper

105 100

120 0.0 24.6 74.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.98

120

100

80

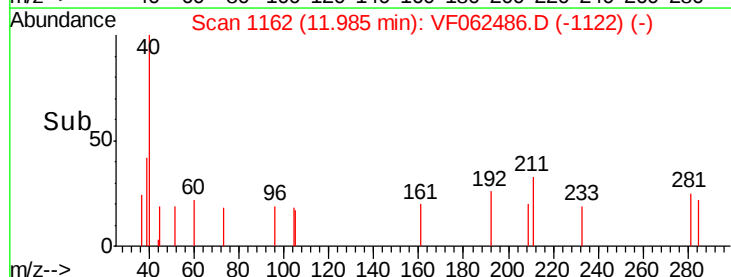
60

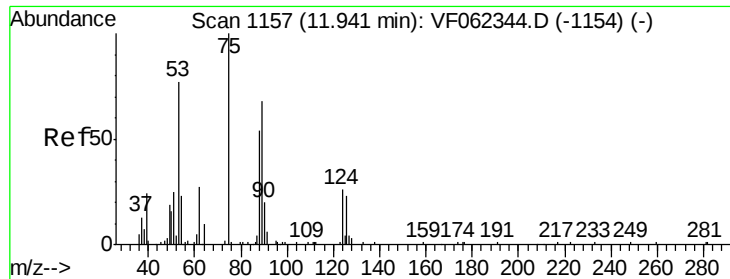
40

20

0

Time--> 11.96 11.98 12.00





#81

trans-1,4-Dichloro-2-butene

Concen: 575.607 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.06 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

Instrument :

MSVOA_F

ClientSampleId :

P021-SS005-0612-01

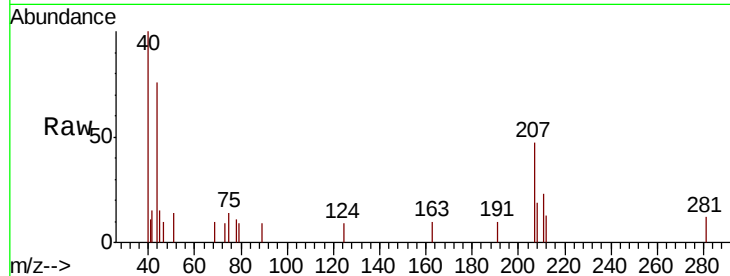
Tot Ion: 75 Resp: 95

Ion Ratio Lower Upper

75 100

53 65.3 71.9 107.9#

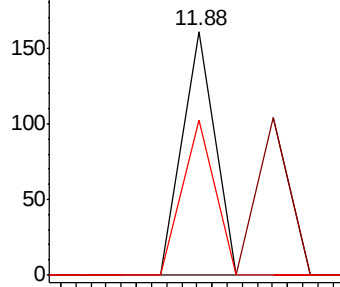
89 63.2 0.0 0.0#



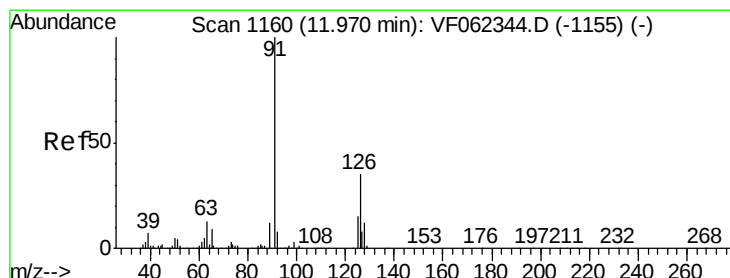
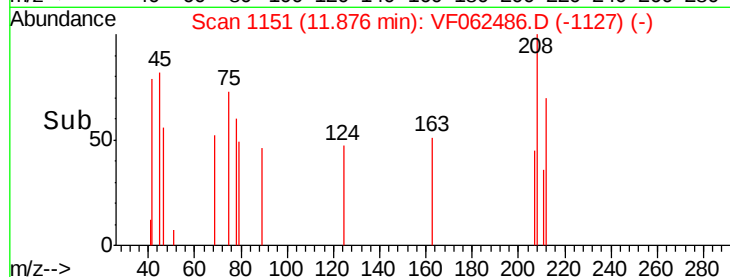
Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0



Time-->



#82

4-Chlorotoluene

Concen: 52.843 ug/l

RT: 12.11 min Scan# 1175

Delta R.T. 0.14 min

Lab File: VF062486.D

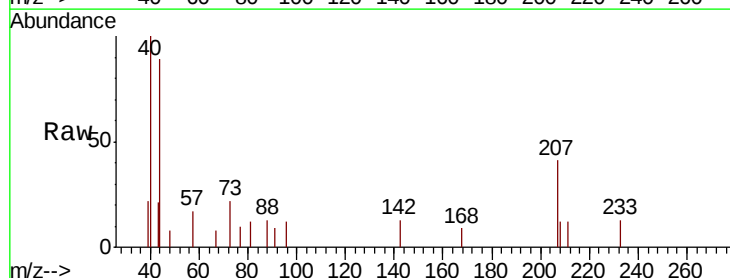
Acq: 12 May 2019 4:47

Tgt Ion: 91 Resp: 127

Ion Ratio Lower Upper

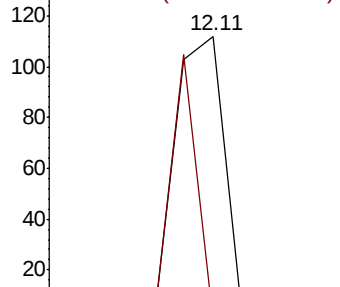
91 100

126 48.8 17.7 53.1

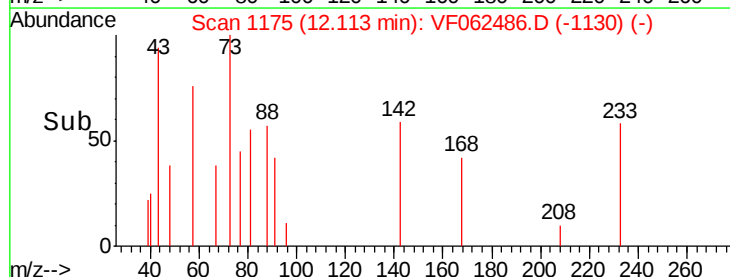


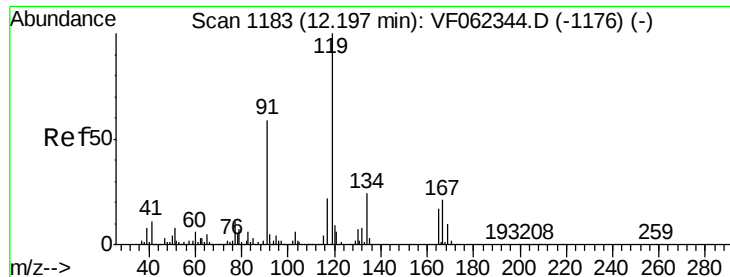
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V



Time-->





#83

tert-Butylbenzene

Concen: 19.198 ug/l

RT: 12.20 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

Instrument :

MSVOA_F

ClientSampleId :

P021-SS005-0612-01

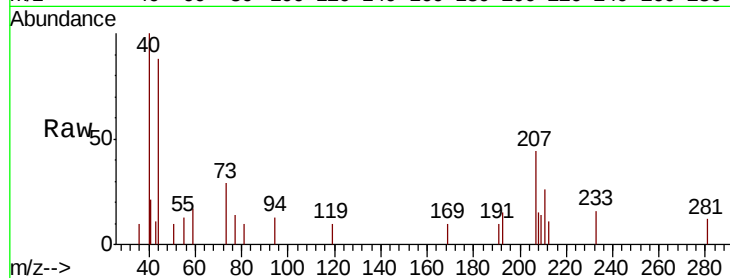
Tot Ion:119 Resp: 65

Ion Ratio Lower Upper

119 100

91 0.0 30.4 91.3#

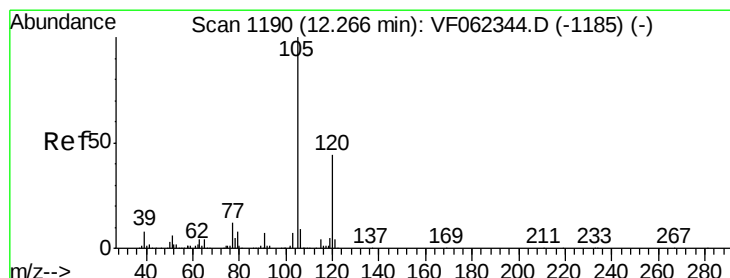
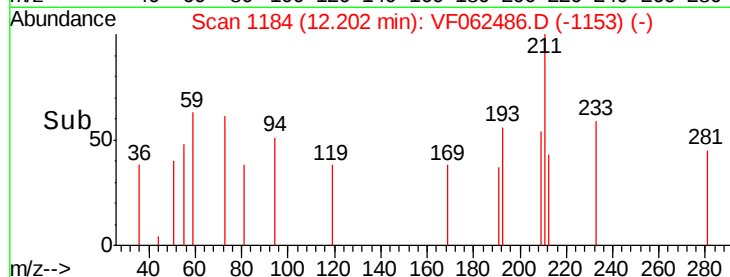
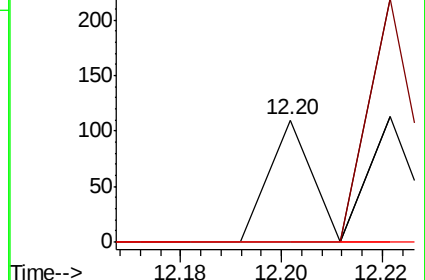
134 0.0 11.9 35.7#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 23.155 ug/l

RT: 12.40 min Scan# 1204

Delta R.T. 0.13 min

Lab File: VF062486.D

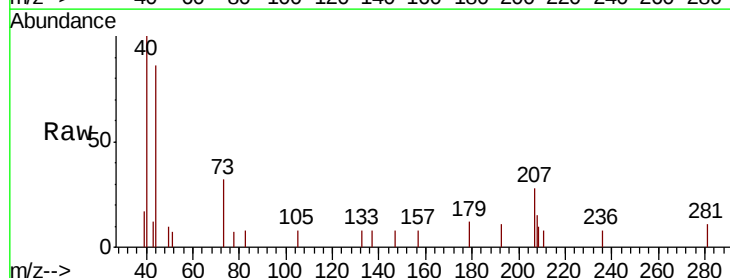
Acq: 12 May 2019 4:47

Tgt Ion:105 Resp: 73

Ion Ratio Lower Upper

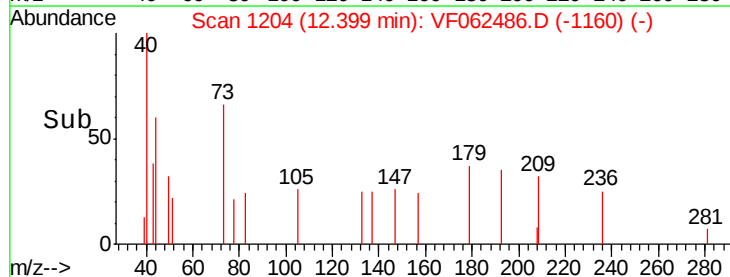
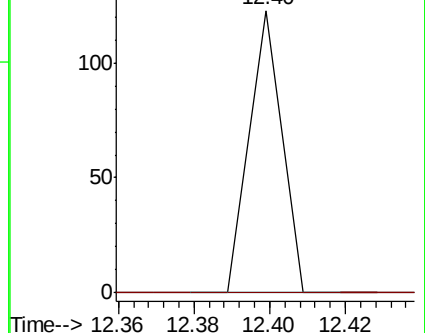
105 100

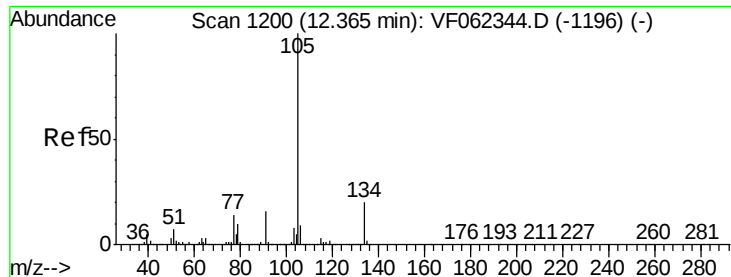
120 0.0 22.6 67.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 17.714 ug/l

RT: 12.40 min Scan# 1204

Delta R.T. 0.03 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

Instrument :

MSVOA_F

ClientSampleId :

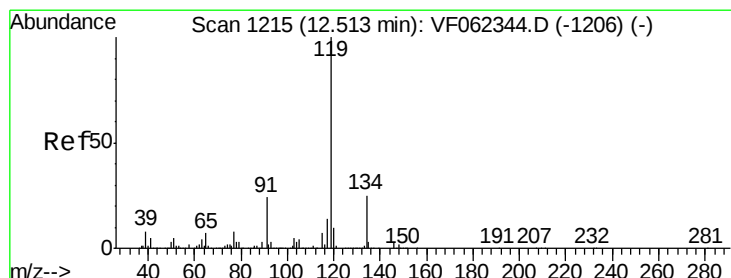
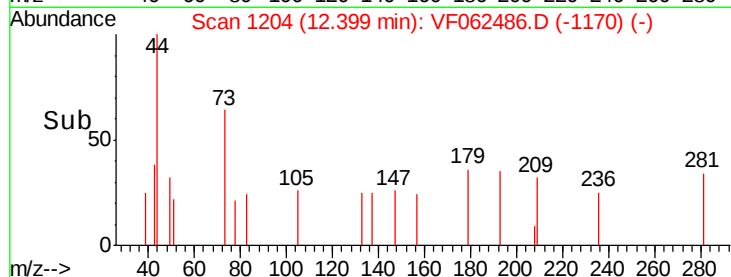
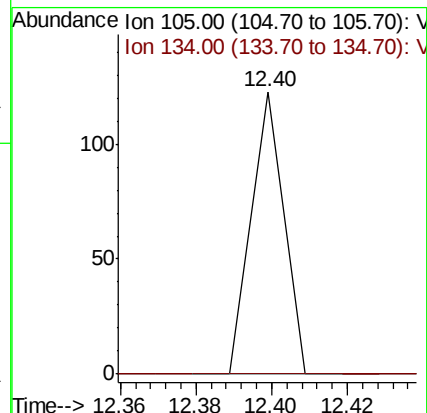
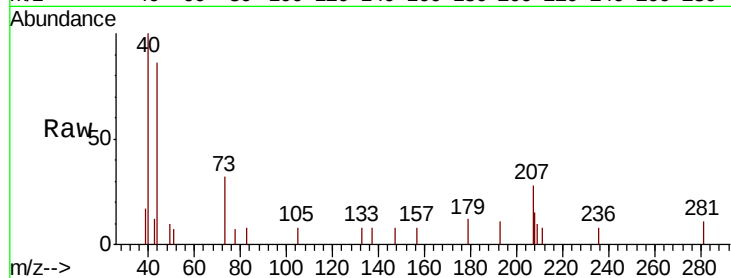
P021-SS005-0612-01

Tot Ion:105 Resp: 73

Ion Ratio Lower Upper

105 100

134 0.0 9.8 29.5#



#86

p-Isopropyltoluene

Concen: 34.214 ug/l

RT: 12.50 min Scan# 1214

Delta R.T. -0.02 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

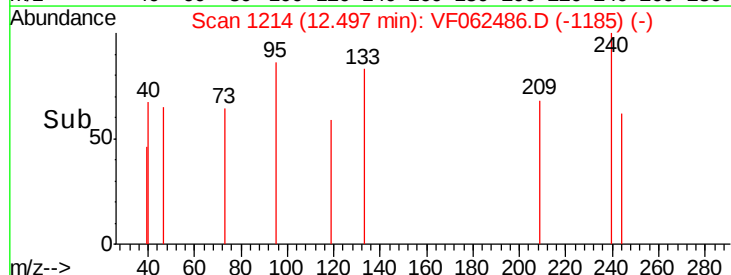
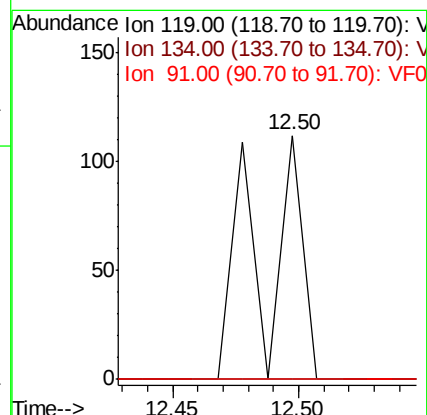
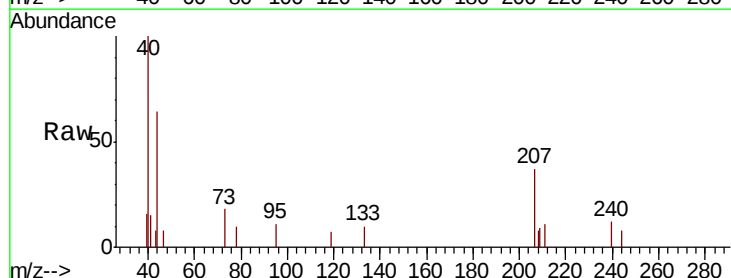
Tgt Ion:119 Resp: 131

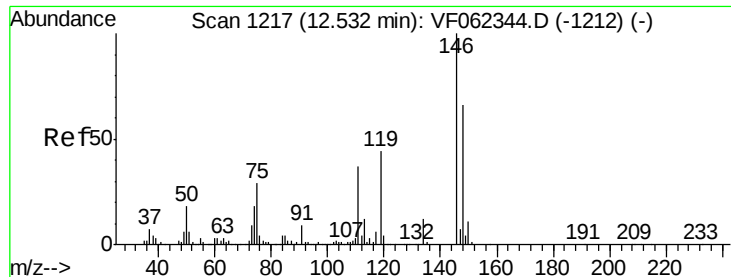
Ion Ratio Lower Upper

119 100

134 0.0 12.9 38.7#

91 0.0 12.3 36.8#





#87

1,3-Dichlorobenzene

Concen: 42.571 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

Instrument :

MSVOA_F

ClientSampleId :

P021-SS005-0612-01

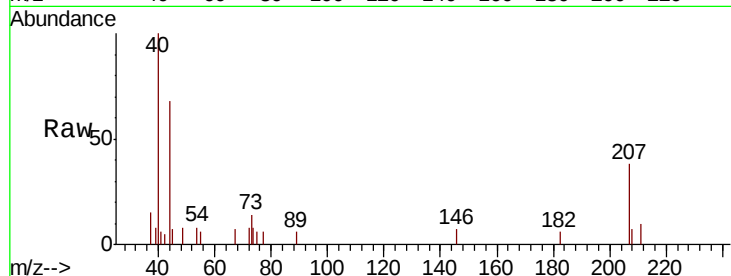
Tot Ion:146 Resp: 75

Ion Ratio Lower Upper

146 100

111 0.0 18.3 54.8#

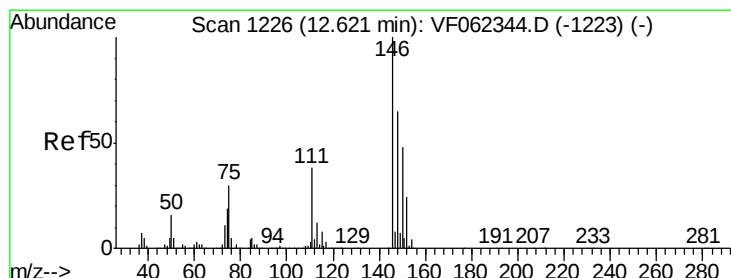
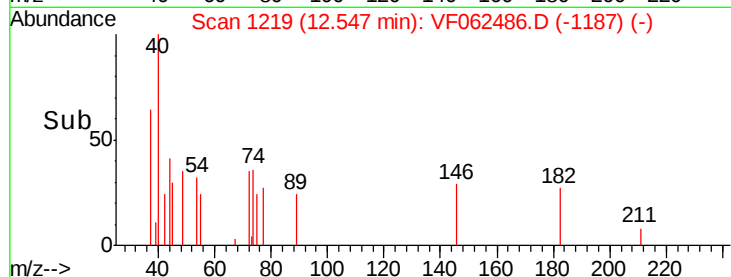
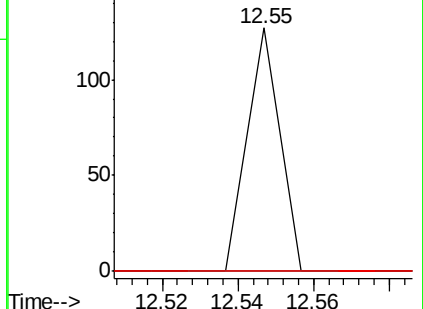
148 0.0 32.3 96.9#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 44.107 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. -0.07 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

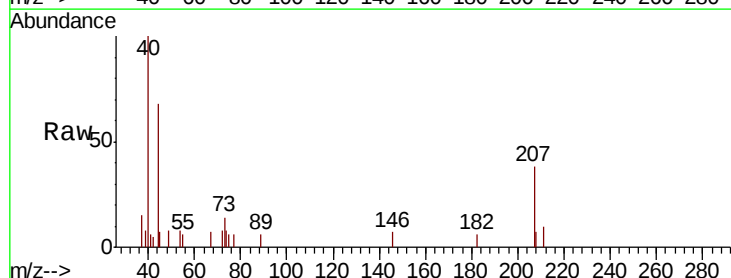
Tgt Ion:146 Resp: 75

Ion Ratio Lower Upper

146 100

111 0.0 18.8 56.3#

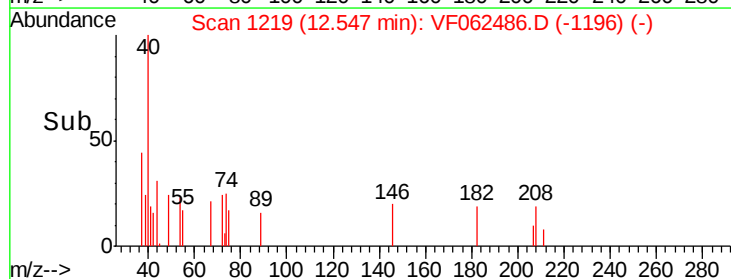
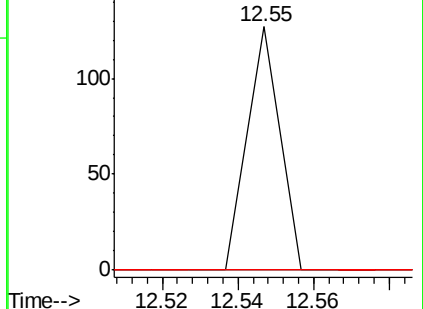
148 0.0 32.2 96.6#

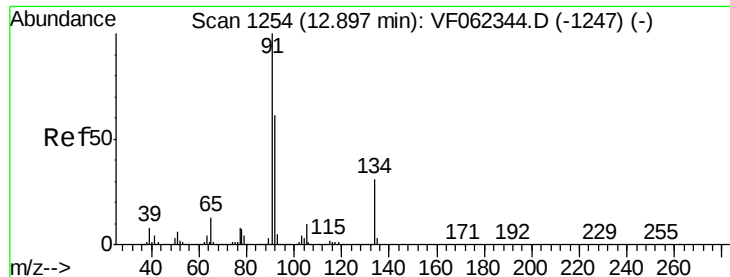


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 18.494 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.12 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

Instrument :

MSVOA_F

ClientSampleId :

P021-SS005-0612-01

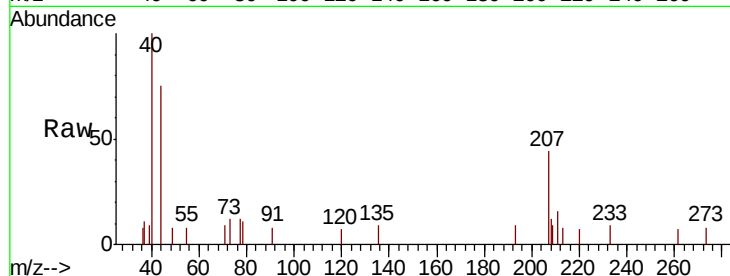
Tot Ion: 91 Resp: 63

Ion Ratio Lower Upper

91 100

92 0.0 30.0 90.0#

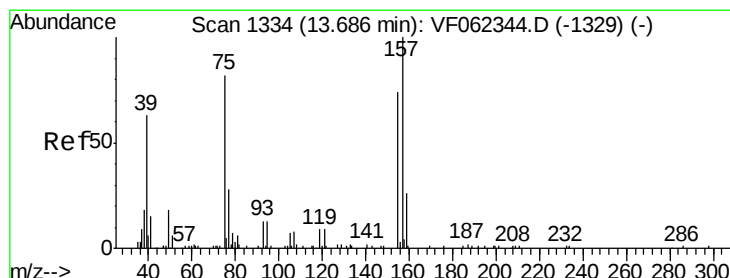
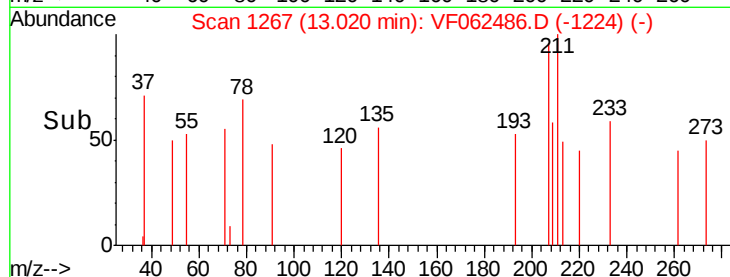
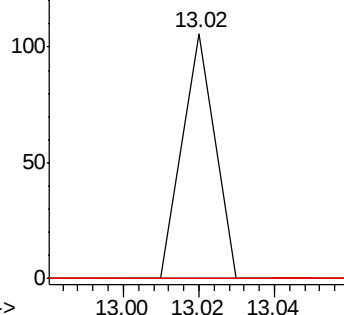
134 0.0 14.1 42.4#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 573.948 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. 0.02 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

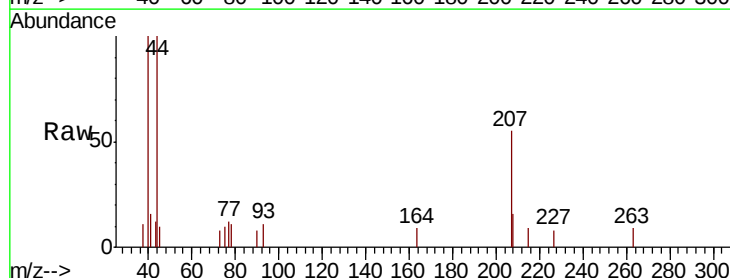
Tgt Ion: 75 Resp: 74

Ion Ratio Lower Upper

75 100

155 0.0 51.8 155.4#

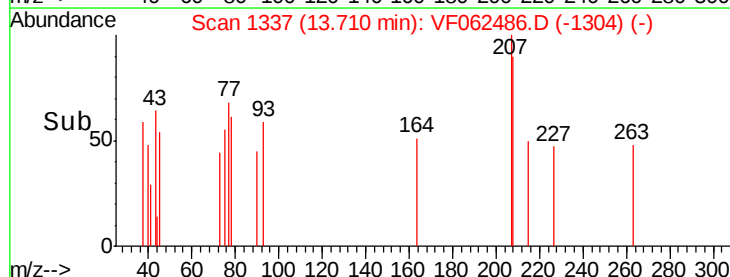
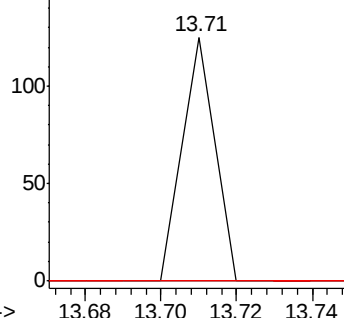
157 0.0 67.3 201.8#

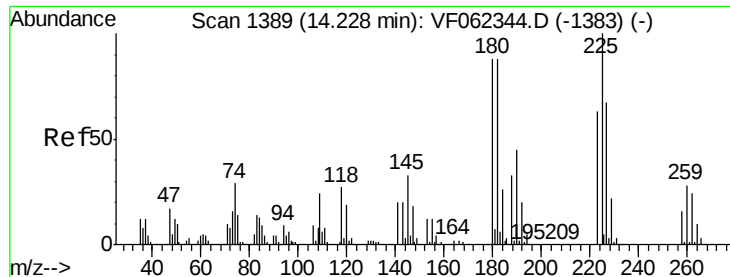


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#94

Hexachlorobutadiene

Concen: 60.526 ug/l

RT: 14.45 min Scan# 1412

Delta R.T. 0.22 min

Lab File: VF062486.D

Acq: 12 May 2019 4:47

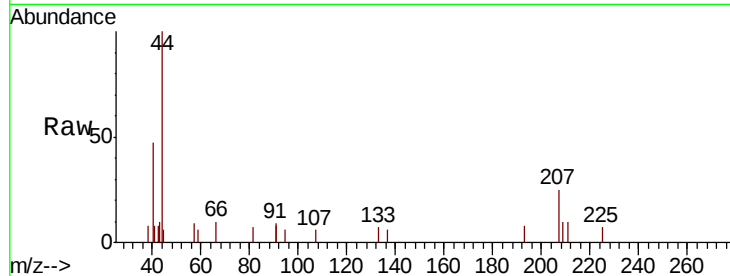
Instrument :

MSVOA_F

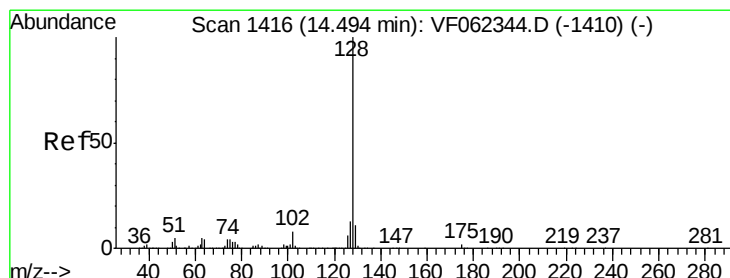
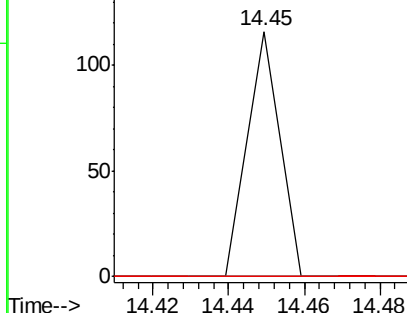
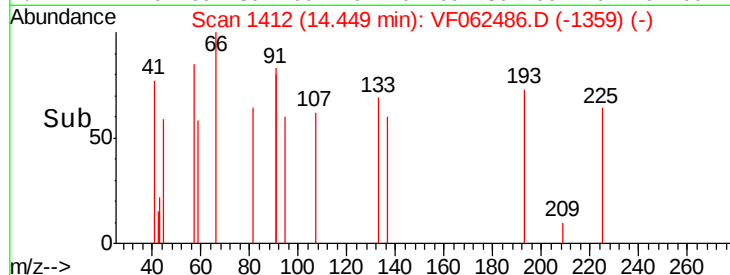
ClientSampleId :

P021-SS005-0612-01

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: 26.092 ug/l

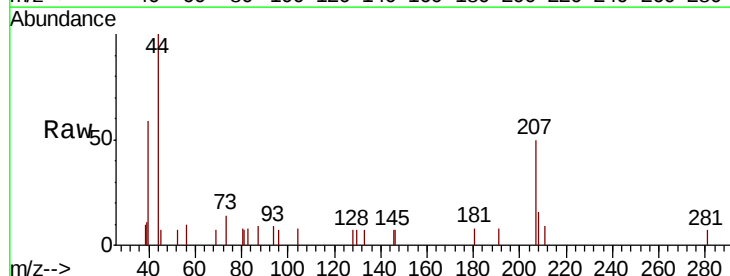
RT: 14.47 min Scan# 1414

Delta R.T. -0.02 min

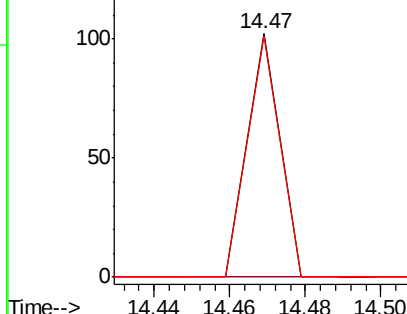
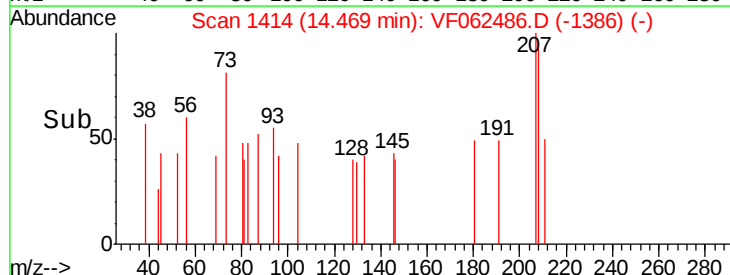
Lab File: VF062486.D

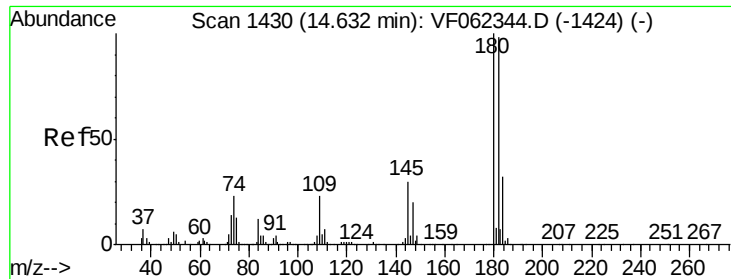
Acq: 12 May 2019 4:47

Tgt Ion:	128	Resp:	60
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	100.0	8.6	12.8#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

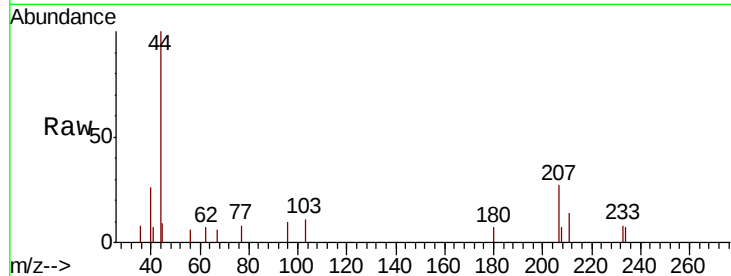




#96
 1,2,3-Trichlorobenzene
 Concen: 47.240 ug/l
 RT: 14.66 min Scan# 1433
 Delta R.T. 0.02 min
 Lab File: VF062486.D
 Acq: 12 May 2019 4:47

Instrument :
 MSVOA_F
 ClientSampleId :
 P021-SS005-0612-01

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	49.4	148.0#
145	0.0	14.8	44.3#



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

