

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051319\
 Data File : VF062575.D
 Acq On : 14 May 2019 8:14
 Operator : FY/SY
 Sample : K2757-03
 Misc : 5.23g/5mL/MSVOA F/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P021-SS009-0002-01

Quant Time: May 14 08:40:29 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	6853	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	5.82	114	3696	50.00	ug/l	0.05
63) Chlorobenzene-d5	9.95	117	751	50.00	ug/l	0.05
72) 1,4-Dichlorobenzene-d4	12.63	152	74	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.07	65	577	8.91	ug/l	0.05
Spiked Amount			Recovery	=	17.82%	
35) Dibromofluoromethane	4.32	113	1355	46.02	ug/l	0.02
Spiked Amount			Recovery	=	92.04%	
50) Toluene-d8	7.73	98	1868	26.21	ug/l	0.03
Spiked Amount			Recovery	=	52.42%	
62) 4-Bromofluorobenzene	11.59	95	87	2.71	ug/l	0.11
Spiked Amount			Recovery	=	5.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.15	50	230	4.397	ug/l #	42
4) Vinyl Chloride	1.19	62	108	2.070	ug/l #	42
5) Bromomethane	1.40	94	145	1.235	ug/l #	3
6) Chloroethane	1.51	64	63	2.402	ug/l #	41
8) Diethyl Ether	1.96	74	103	6.288	ug/l #	31
9) 1,1,2-Trichlorotrifluoroet	1.88	101	140	2.265	ug/l #	45
11) Tert butyl alcohol	2.71	59	59	16.119	ug/l #	1
12) 1,1-Dichloroethene	1.89	96	228	4.339	ug/l #	1
13) Acrolein	2.13	56	167	57.561	ug/l #	13
14) Allyl chloride	2.20	41	318	6.852	ug/l #	36
15) Acrylonitrile	3.06	53	66	9.519	ug/l #	10
16) Acetone	2.37	43	279	21.296	ug/l #	35
17) Carbon Disulfide	2.07	76	118	1.030	ug/l #	71
18) Methyl Acetate	2.43	43	302	10.143	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	143	1.318	ug/l #	61
20) Methylene Chloride	2.42	84	88	1.857	ug/l #	1
21) trans-1,2-Dichloroethene	2.44	96	233	4.655	ug/l #	1
22) Diisopropyl ether	2.99	45	184	1.268	ug/l #	72
23) Vinyl Acetate	3.36	43	277	4.285	ug/l #	1
24) 1,1-Dichloroethane	2.99	63	127	1.449	ug/l #	86
25) 2-Butanone	4.56	43	145	8.810	ug/l #	24
26) 2,2-Dichloropropane	3.83	77	388	7.925	ug/l #	58
27) cis-1,2-Dichloroethene	3.65	96	253	4.043	ug/l	34
28) Bromochloromethane	3.92	49	78	1.962	ug/l #	78
29) Tetrahydrofuran	4.30	42	81	10.708	ug/l #	21
31) Cyclohexane	3.88	56	272	3.887	ug/l #	16
36) 1,1-Dichloropropene	4.53	75	78	2.457	ug/l #	1
37) Ethyl Acetate	4.35	43	382	28.647	ug/l #	73
38) Carbon Tetrachloride	4.28	117	61	Below Cal	#	14
39) Methylcyclohexane	5.49	83	61	1.916	ug/l #	15
40) Benzene	4.85	78	141	2.017	ug/l #	48
41) Methacrylonitrile	4.97	41	119	15.631	ug/l #	1
42) 1,2-Dichloroethane	5.05	62	116	3.967	ug/l #	82
43) Isopropyl Acetate	7.20	43	125	8.656	ug/l #	48

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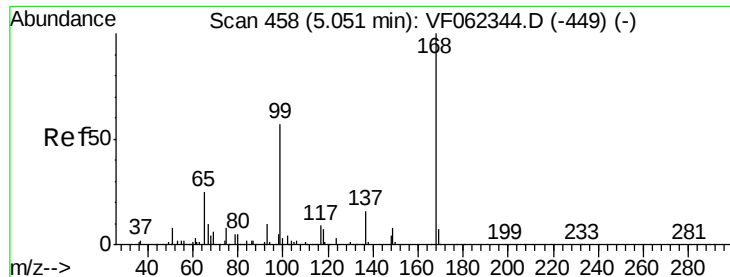
Instrument :
 MSVOA_F
 ClientSampleId :
 P021-SS009-0002-01

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,2-Dichloropropane	6.52	63	87	5.494	ug/l #	43
46) Dibromomethane	6.30	93	66	5.027	ug/l #	1
47) Bromodichloromethane	6.59	83	314	9.565	ug/l #	27
48) Methyl methacrylate	6.91	41	172	16.853	ug/l #	45
49) 1,4-Dioxane	6.93	88	66	623.879	ug/l #	22
51) 4-Methyl-2-Pentanone	8.48	43	70	6.397	ug/l #	40
52) Toluene	7.89	92	69	1.600	ug/l #	38
53) t-1,3-Dichloropropene	8.51	75	70	2.819	ug/l #	43
54) cis-1,3-Dichloropropene	7.48	75	154	5.330	ug/l #	22
55) 1,1,2-Trichloroethane	8.61	97	63	4.601	ug/l #	14
56) Ethyl methacrylate	8.82	69	60	4.151	ug/l #	1
57) 1,3-Dichloropropane	9.12	76	63	3.046	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.49	63	70	16.109	ug/l #	42
59) 2-Hexanone	9.87	43	98	12.949	ug/l #	71
61) 1,2-Dibromoethane	9.41	107	62	3.853	ug/l #	3
64) Tetrachloroethene	8.27	164	66	10.825	ug/l #	1
65) Chlorobenzene	10.08	112	79	6.358	ug/l #	43
67) Ethyl Benzene	10.03	91	75	3.447	ug/l #	45
68) m/p-Xylenes	10.42	106	64	7.972	ug/l #	32
69) o-Xylene	10.83	106	83	9.568	ug/l #	1
70) Styrene	10.83	104	63	4.846	ug/l #	1
73) Isopropylbenzene	11.18	105	77	17.552	ug/l #	1
74) N-amyl acetate	11.45	43	165	175.191	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	11.78	83	68	98.996	ug/l #	22
76) 1,2,3-Trichloropropane	11.90	75	126	240.431	ug/l #	100
77) Bromobenzene	11.49	156	63	54.718	ug/l #	1
78) n-propylbenzene	11.59	91	69	14.773	ug/l #	52
79) 2-Chlorotoluene	11.75	91	87	29.956	ug/l #	1
80) 1,3,5-Trimethylbenzene	11.80	105	122	31.728	ug/l #	28
81) trans-1,4-Dichloro-2-buten	11.93	75	68	345.201	ug/l #	1
82) 4-Chlorotoluene	11.97	91	69	24.055	ug/l #	39
83) tert-Butylbenzene	12.21	119	70	17.322	ug/l #	29
84) 1,2,4-Trimethylbenzene	12.20	105	69	18.337	ug/l #	31
85) sec-Butylbenzene	12.52	105	59	11.995	ug/l #	57
86) p-Isopropyltoluene	12.51	119	77	16.849	ug/l #	15
88) 1,4-Dichlorobenzene	12.82	146	62	30.549	ug/l #	7
89) n-Butylbenzene	13.02	91	70	17.217	ug/l #	29
90) Hexachloroethane	13.01	117	76	66.605	ug/l #	97
91) 1,2-Dichlorobenzene	13.01	146	104	51.098	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.61	75	163	1059.226	ug/l #	1
94) Hexachlorobutadiene	14.22	225	84	61.735	ug/l #	18

(#) = 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: VF062575.D

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MSVOA_F

ClientSampleId :

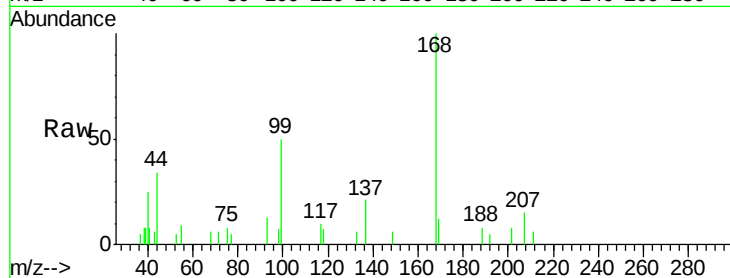
P021-SS009-0002-01

Tot Ion:168 Resp: 6853

Ion Ratio Lower Upper

168 100

99 49.7 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

2000

1500

1000

500

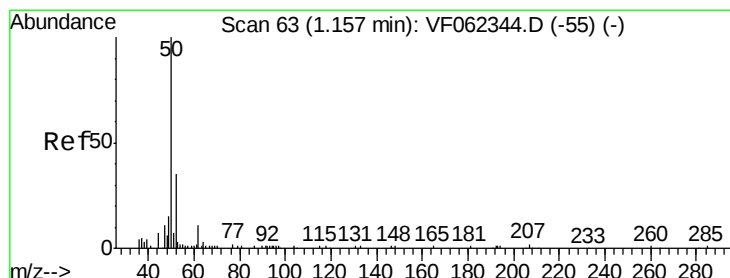
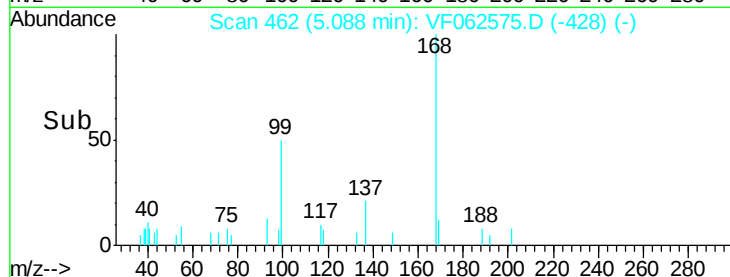
0

Time-->

5.00

5.10

5.20



#3

Chloromethane

Concen: 4.397 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.00 min

Lab File: VF062575.D

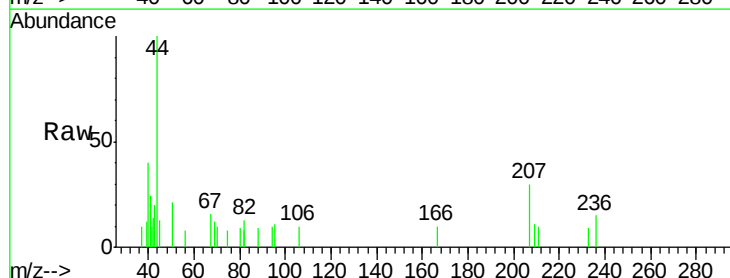
Acq: 14 May 2019 8:14

Tgt Ion: 50 Resp: 230

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

1.15

300

200

100

0

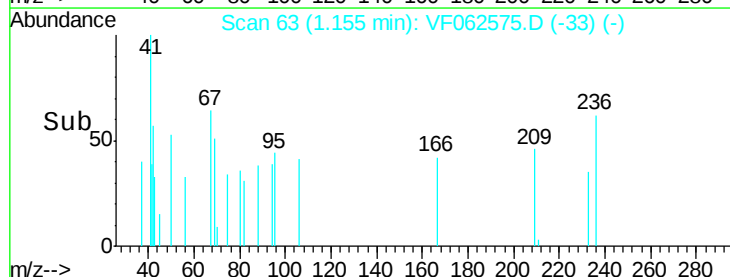
Time-->

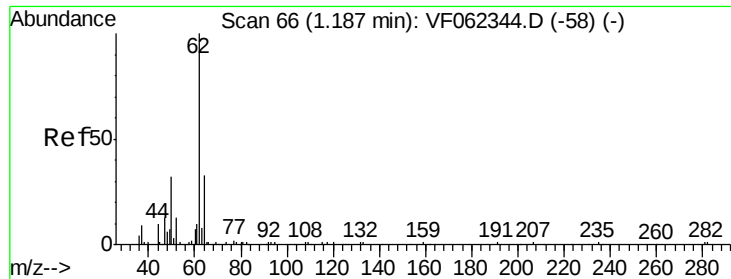
1.12

1.14

1.16

1.18





#4

Vinyl Chloride

Concen: 2.070 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.01 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

Instrument :

MSVOA_F

ClientSampleId :

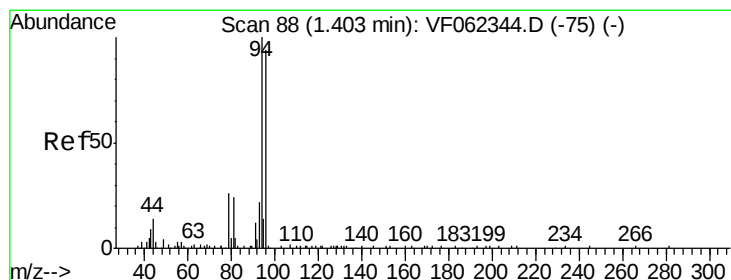
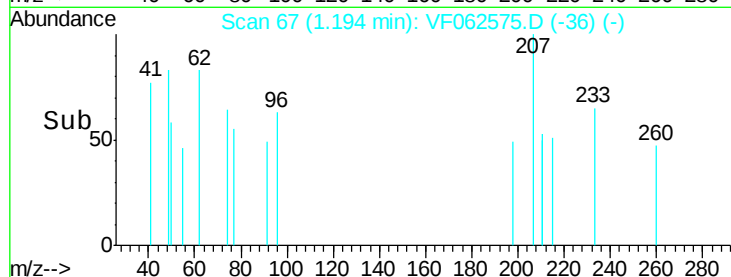
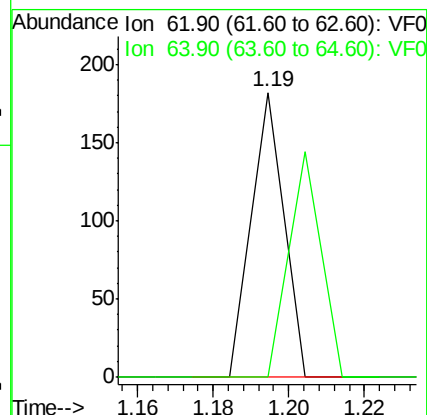
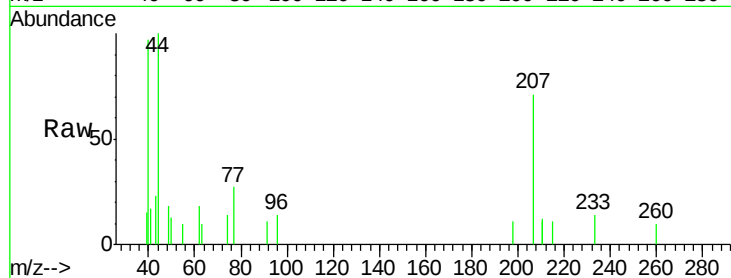
P021-SS009-0002-01

Tot Ion: 62 Resp: 108

Ion Ratio Lower Upper

62 100

64 0.0 26.1 39.1#



#5

Bromomethane

Concen: 1.235 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.00 min

Lab File: VF062575.D

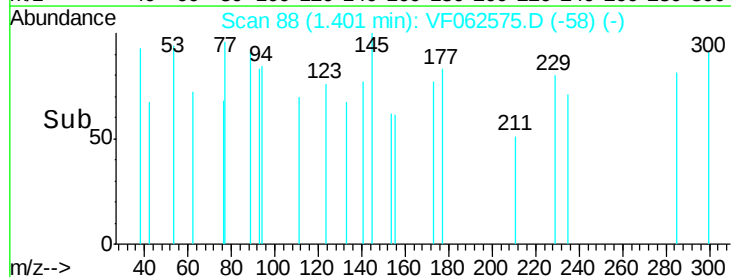
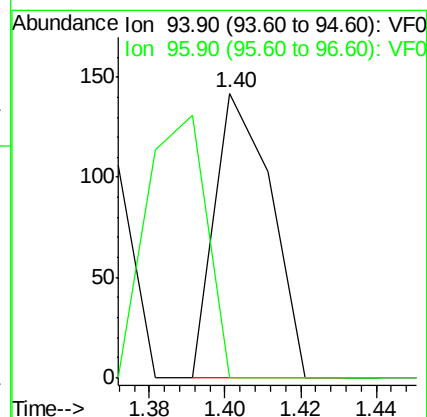
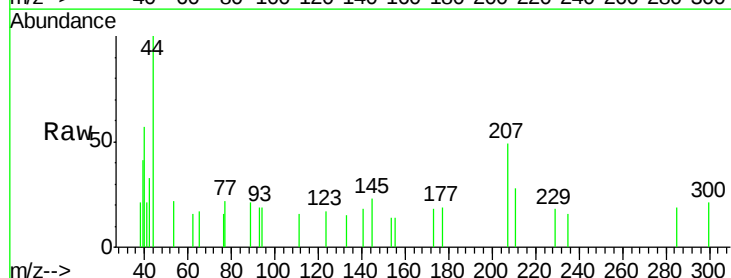
Acq: 14 May 2019 8:14

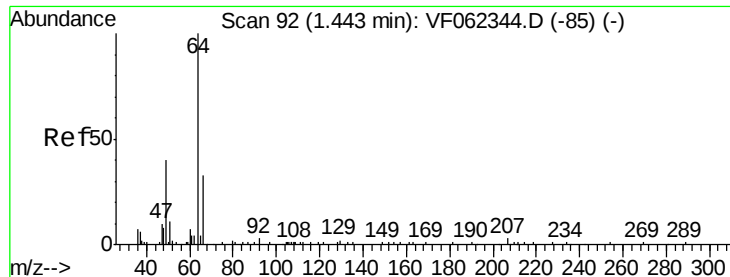
Tgt Ion: 94 Resp: 145

Ion Ratio Lower Upper

94 100

96 0.0 75.4 113.2#





#6

Chloroethane

Concen: 2.402 ug/l

RT: 1.51 min Scan# 99

Delta R.T. 0.07 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

Instrument :

MSVOA_F

ClientSampleId :

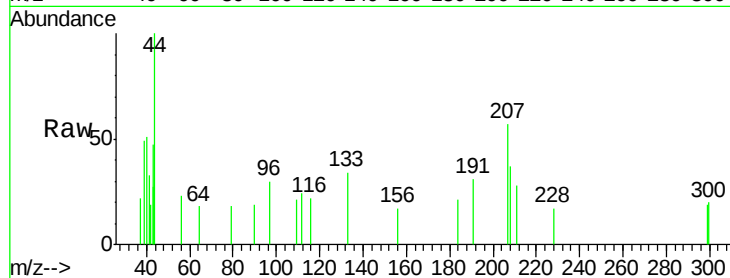
P021-SS009-0002-01

Tot Ion: 64 Resp: 63

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

1.51

120

100

80

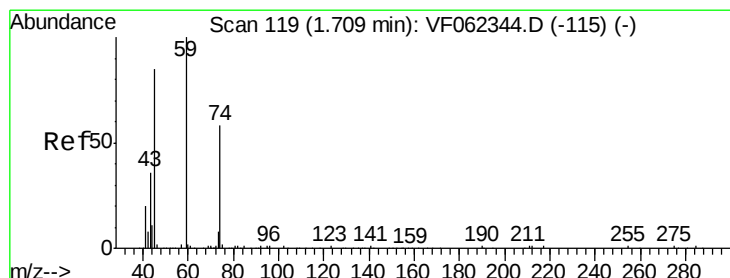
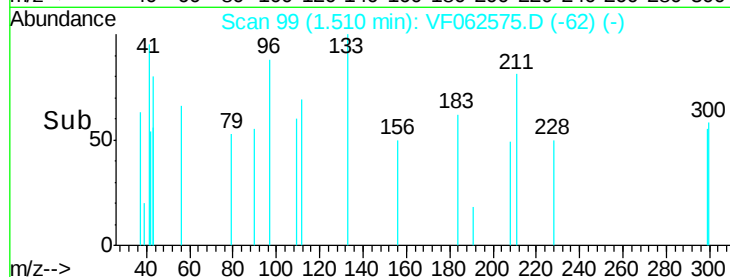
60

40

20

0

Time-->



#8

Diethyl Ether

Concen: 6.288 ug/l

RT: 1.96 min Scan# 145

Delta R.T. 0.25 min

Lab File: VF062575.D

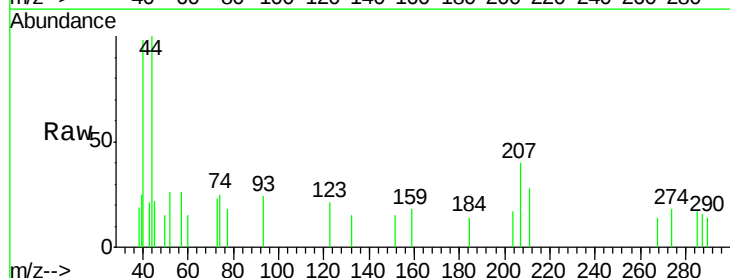
Acq: 14 May 2019 8:14

Tgt Ion: 74 Resp: 103

Ion Ratio Lower Upper

74 100

45 61.2 73.9 221.6#



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.96

200

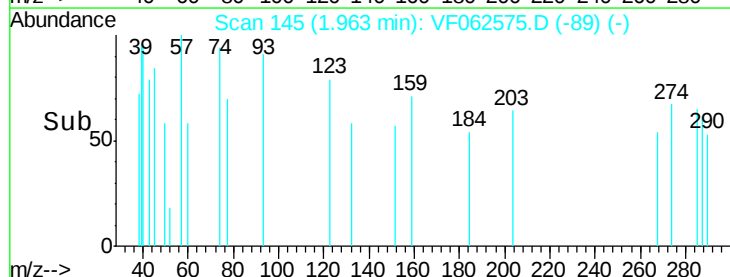
150

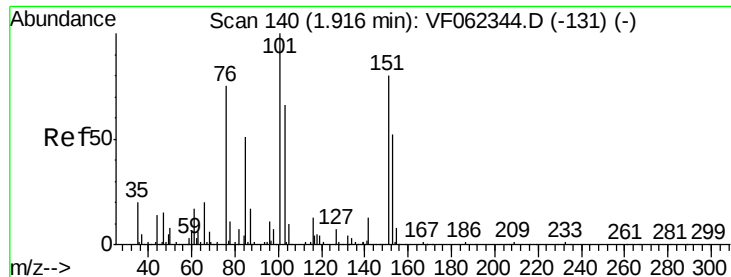
100

50

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.265 ug/l

RT: 1.88 min Scan# 137

Delta R.T. -0.03 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

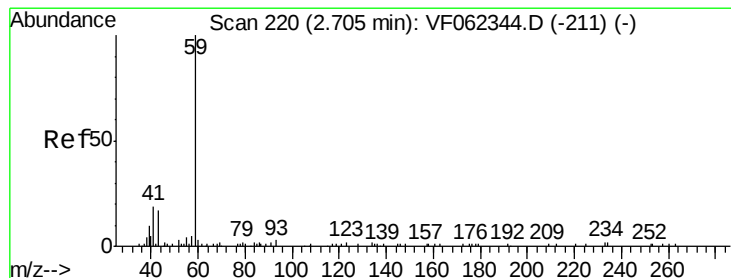
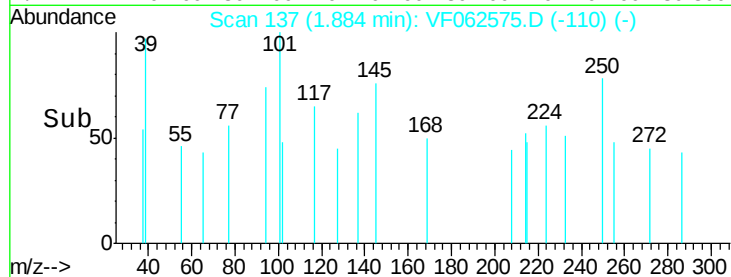
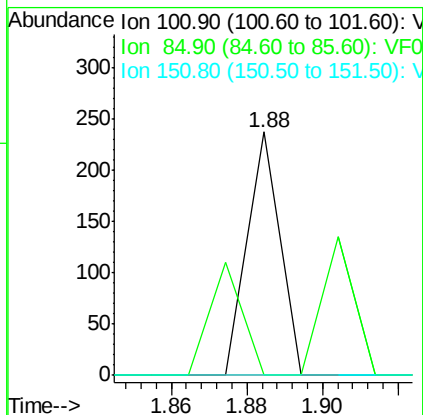
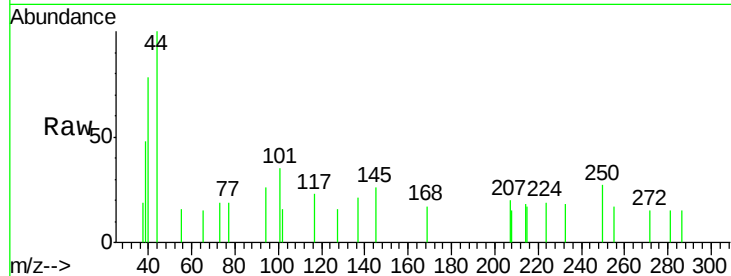
Instrument :

MSVOA_F

ClientSampleId :

P021-SS009-0002-01

Tot Ion:	101	Resp:	140
Ion	Ratio	Lower	Upper
101	100		
85	46.4	39.5	59.3
151	0.0	59.9	89.9#



#11

Tert butyl alcohol

Concen: 16.119 ug/l

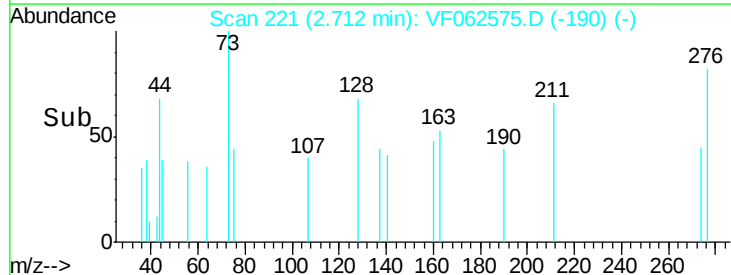
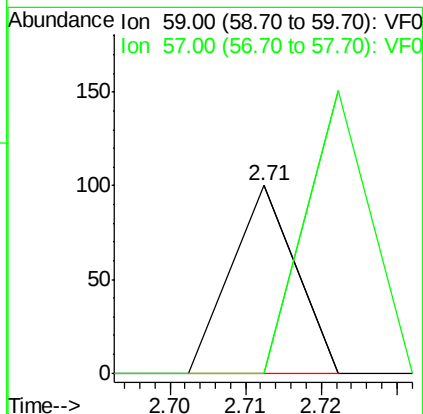
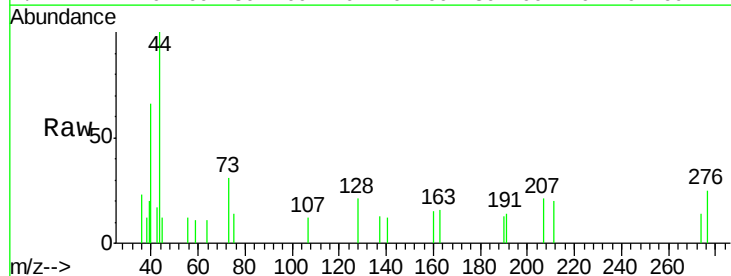
RT: 2.71 min Scan# 221

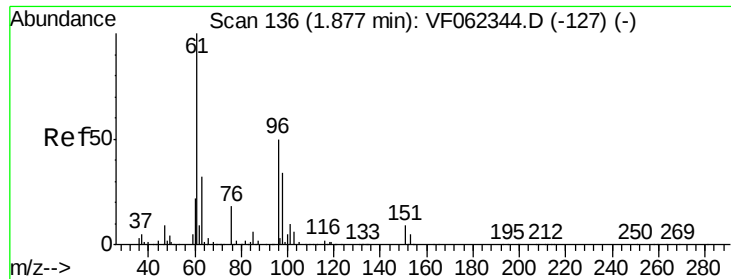
Delta R.T. 0.01 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

Tgt Ion:	59	Resp:	59
Ion	Ratio	Lower	Upper
59	100		
57	150.8	9.3	13.9#





#12

1,1-Dichloroethene

Concen: 4.339 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.02 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

Instrument :

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P021-SS009-0002-01

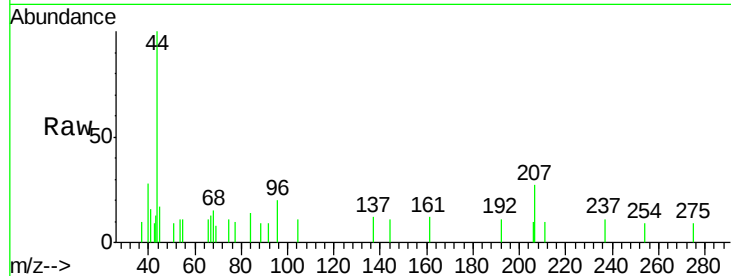
Tot Ion: 96 Resp: 228

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

300

250

200

150

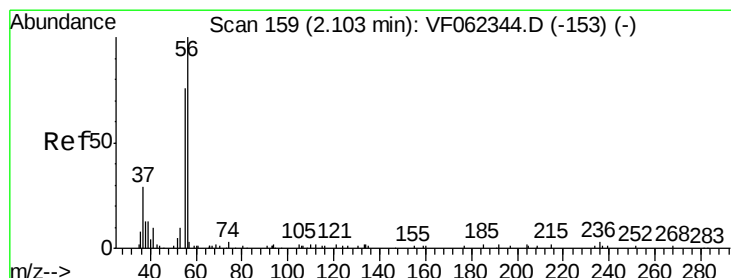
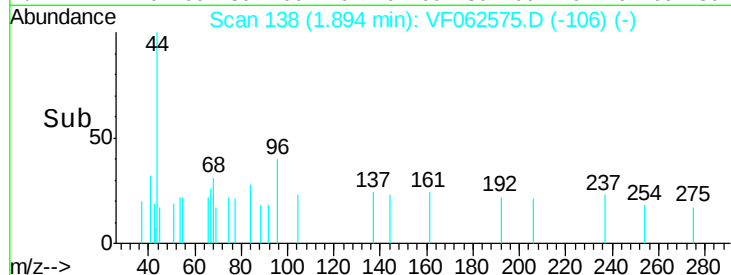
100

50

0

1.86 1.88 1.90 1.92 1.94

Time-->



#13

Acrolein

Concen: 57.561 ug/l

RT: 2.13 min Scan# 162

Delta R.T. 0.03 min

Lab File: VF062575.D

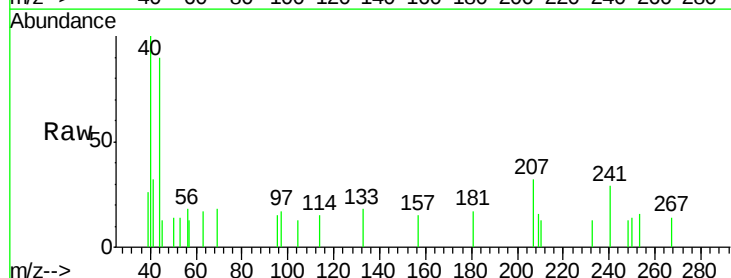
Acq: 14 May 2019 8:14

Tgt Ion: 56 Resp: 167

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

200

150

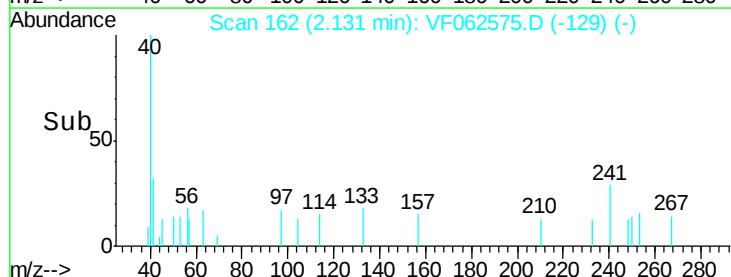
100

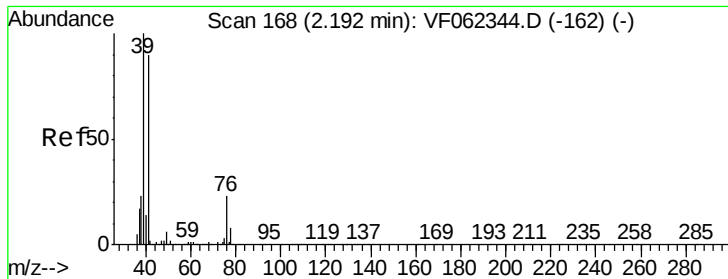
50

0

2.12 2.14 2.16

Time-->





#14

Allvl chloride

Concen: 6.852 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.01 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

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MSVOA_F

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P021-SS009-0002-01

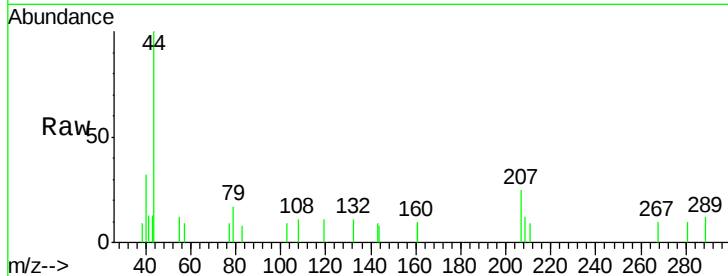
Tot Ion: 41 Resp: 318

Ion Ratio Lower Upper

41 100

39 184.9 90.8 136.2#

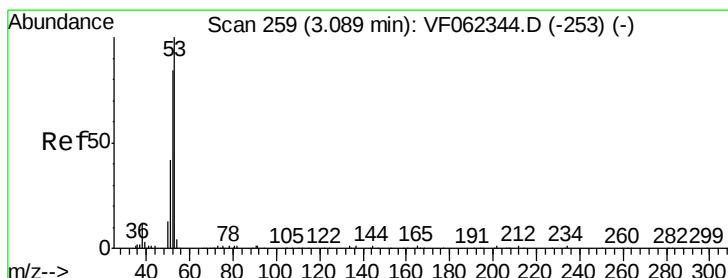
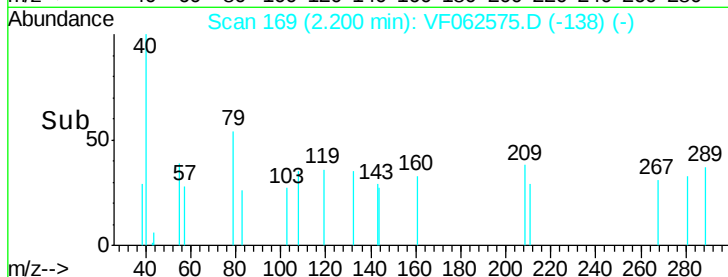
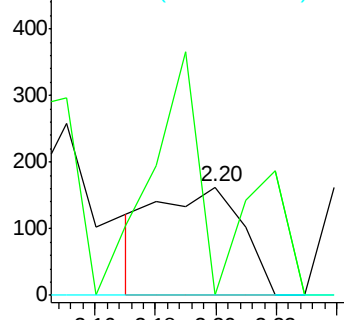
76 0.0 22.2 33.4#



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 75.90 (75.60 to 76.60): VF0



#15

Acrylonitrile

Concen: 9.519 ug/l

RT: 3.06 min Scan# 256

Delta R.T. -0.03 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

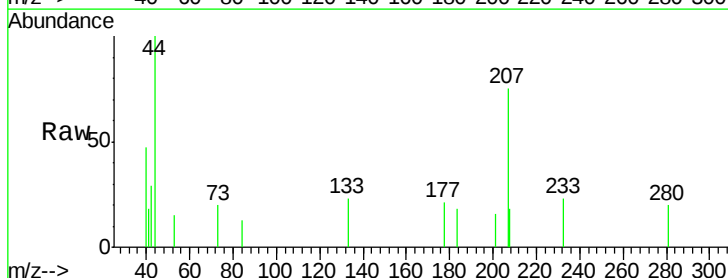
Tgt Ion: 53 Resp: 66

Ion Ratio Lower Upper

53 100

52 0.0 77.2 115.8#

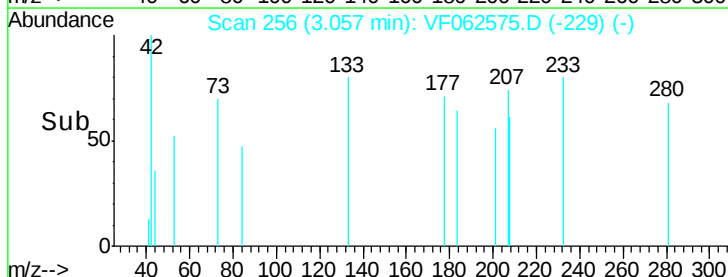
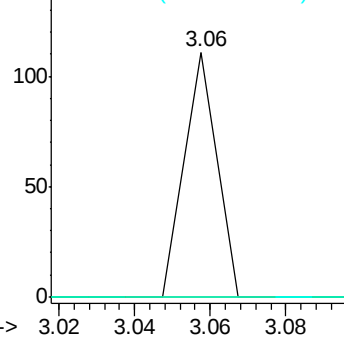
51 0.0 40.6 61.0#

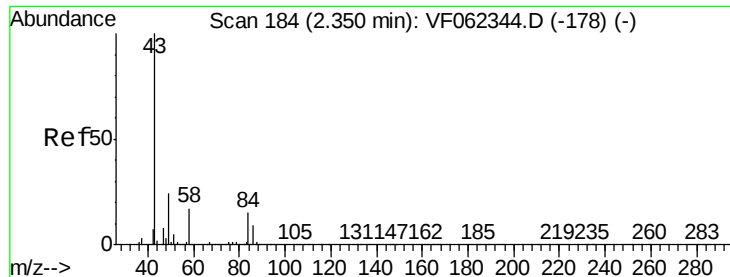


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0





#16

Acetone

Concen: 21.296 ug/l

RT: 2.37 min Scan# 186

Delta R.T. 0.02 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

Instrument :

MSVOA_F

ClientSampleId :

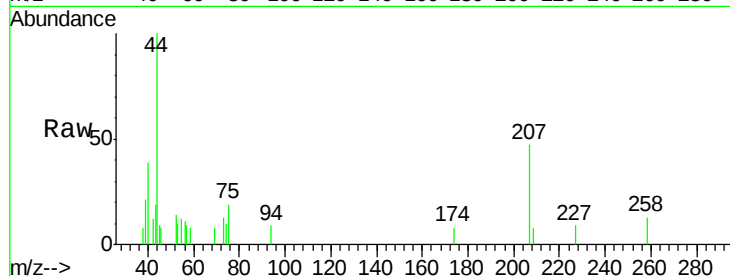
P021-SS009-0002-01

Tot Ion: 43 Resp: 279

Ion Ratio Lower Upper

43 100

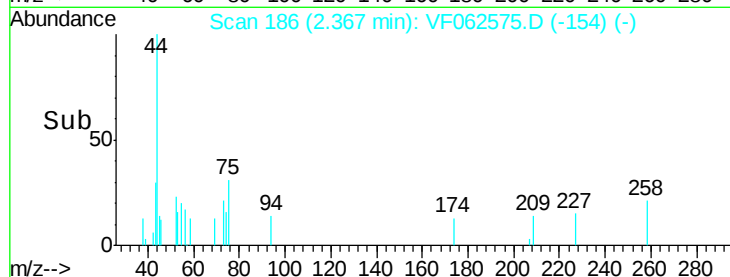
58 44.2 13.1 19.7#



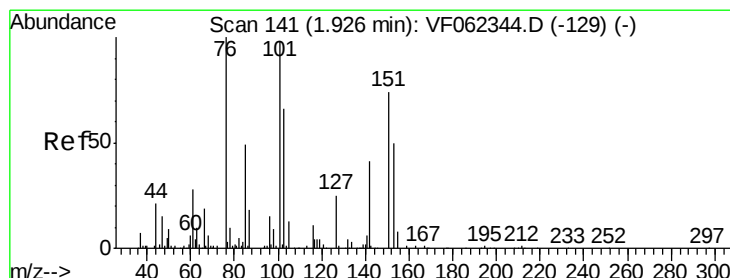
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

Time-->



Time-->



#17

Carbon Disulfide

Concen: 1.030 ug/l

RT: 2.07 min Scan# 156

Delta R.T. 0.15 min

Lab File: VF062575.D

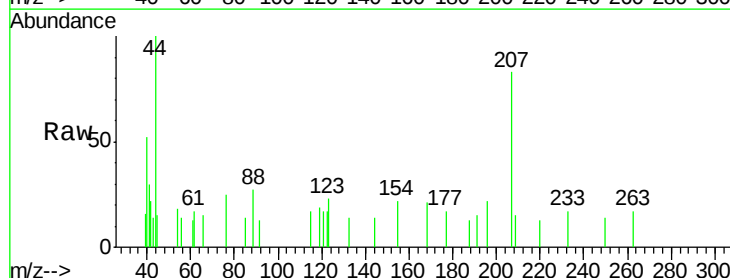
Acq: 14 May 2019 8:14

Tgt Ion: 76 Resp: 118

Ion Ratio Lower Upper

76 100

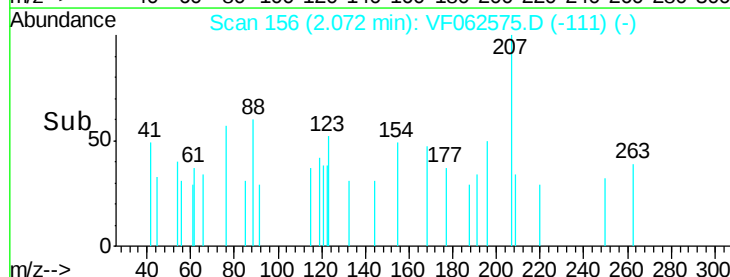
78 0.0 9.0 13.4#



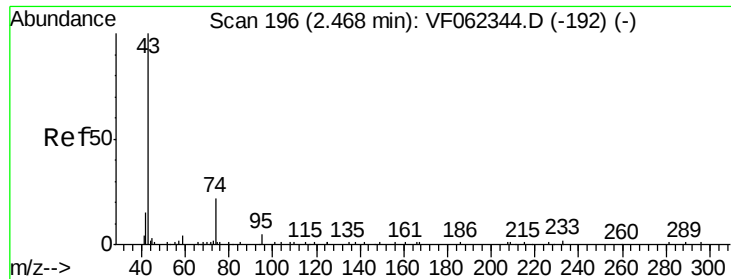
Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0

Time-->



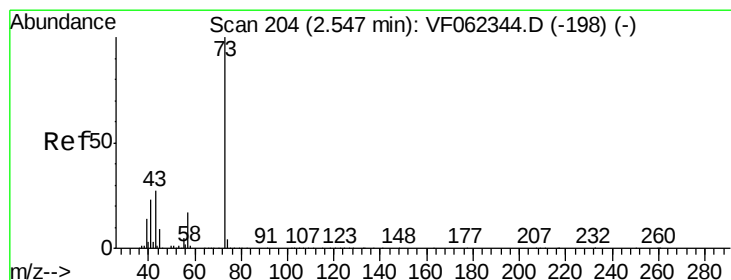
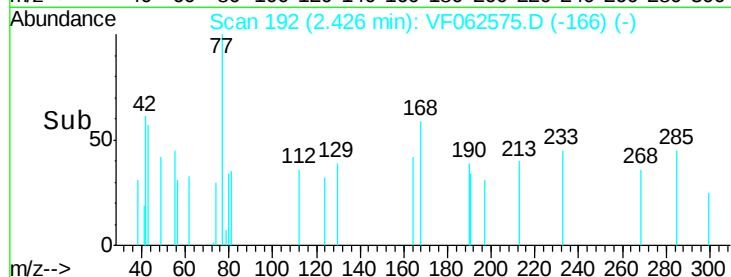
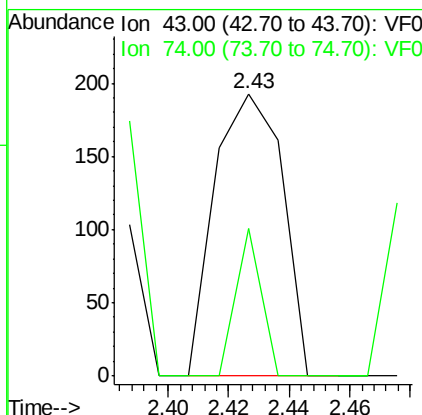
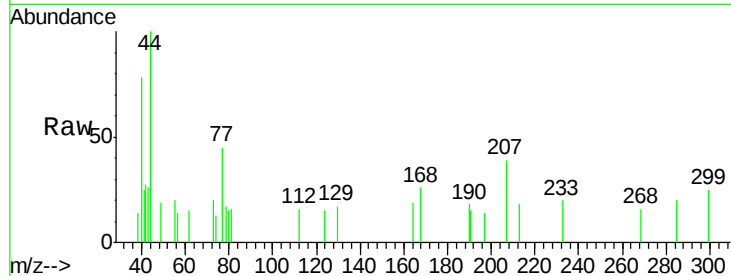
Time-->



#18
Methyl Acetate
Concen: 10.143 ug/l
RT: 2.43 min Scan# 192
Delta R.T. -0.04 min
Lab File: VF062575.D
Acq: 14 May 2019 8:14

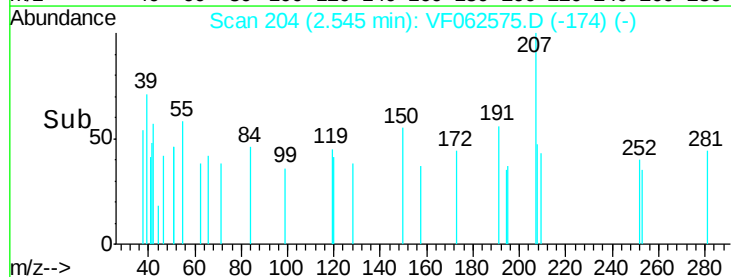
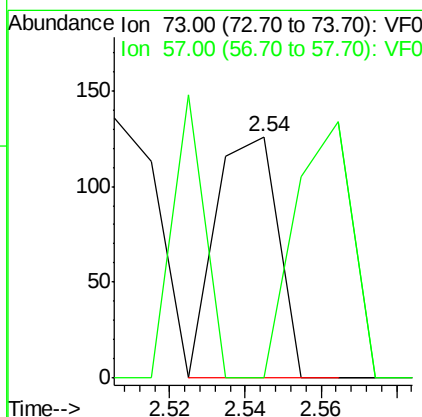
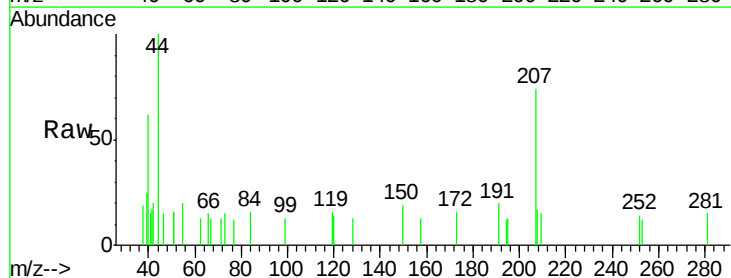
Instrument :
MSVOA_F
ClientSampleId :
P021-SS009-0002-01

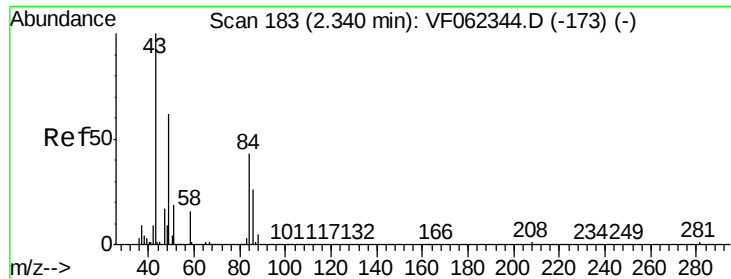
Tot Ion: 43 Resp: 302
Ion Ratio Lower Upper
43 100
74 19.9 15.0 22.4



#19
Methyl tert-butyl Ether
Concen: 1.318 ug/l
RT: 2.54 min Scan# 204
Delta R.T. -0.00 min
Lab File: VF062575.D
Acq: 14 May 2019 8:14

Tgt Ion: 73 Resp: 143
Ion Ratio Lower Upper
73 100
57 0.0 13.7 20.5#





#20

Methvlene Chloride

Concen: 1.857 ug/l

RT: 2.42 min Scan# 191

Delta R.T. 0.08 min

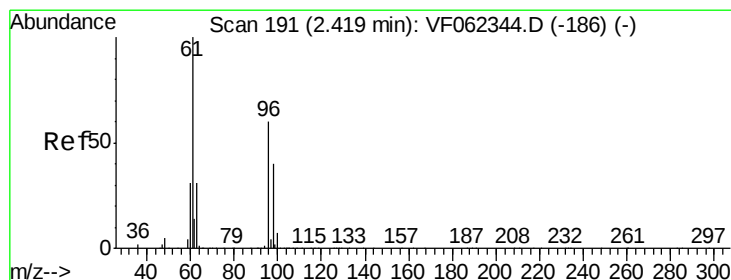
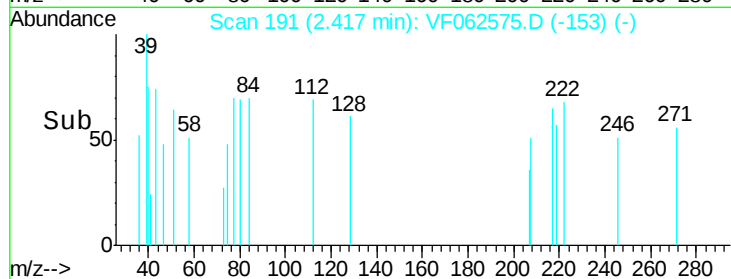
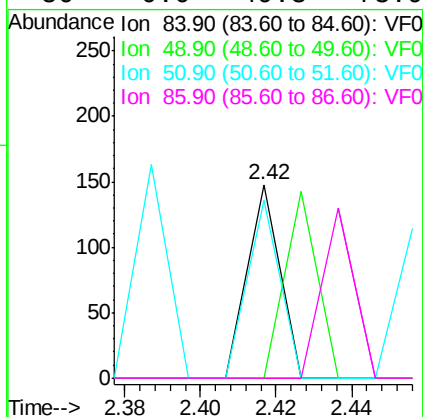
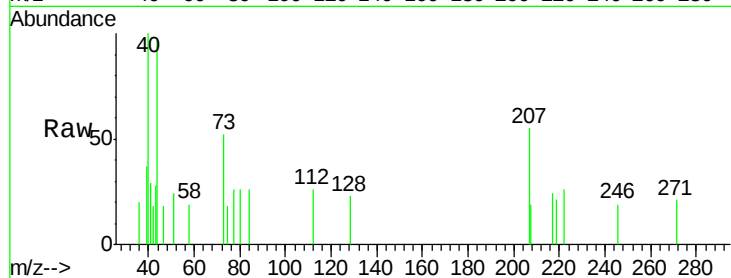
Lab File: VF062575.D

Acq: 14 May 2019 8:14

Instrument :
MSVOA_F
ClientSampleId :
P021-SS009-0002-01

Tot Ion: 84 Resp: 88

Ion	Ratio	Lower	Upper
84	100		
49	0.0	117.5	176.3#
51	91.9	37.0	55.4#
86	0.0	49.3	73.9#



#21

trans-1,2-Dichloroethene

Concen: 4.655 ug/l

RT: 2.44 min Scan# 193

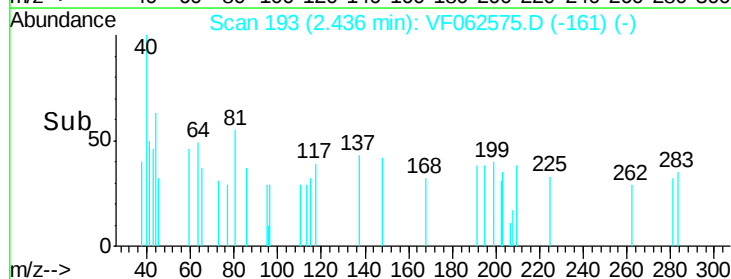
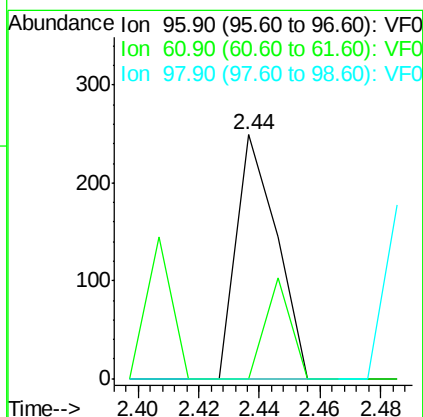
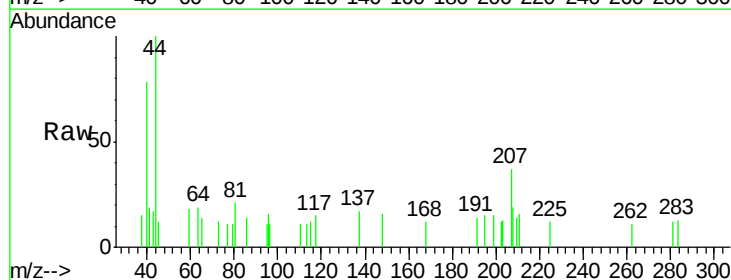
Delta R.T. 0.02 min

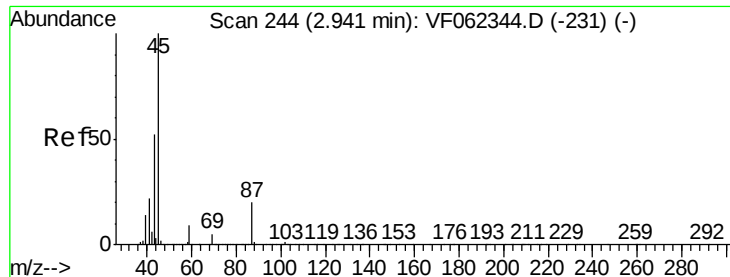
Lab File: VF062575.D

Acq: 14 May 2019 8:14

Tgt Ion: 96 Resp: 233

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

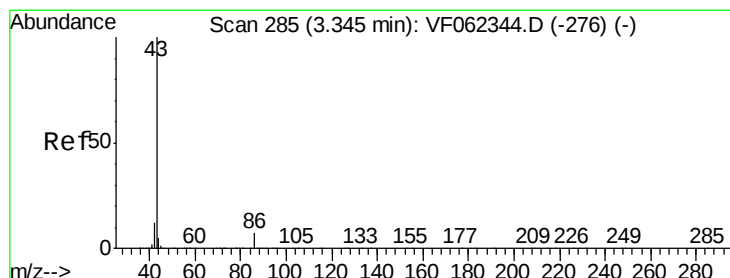
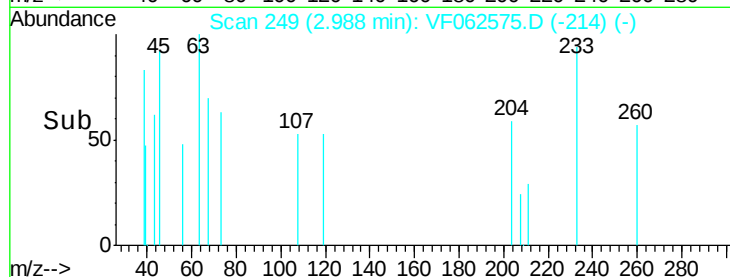
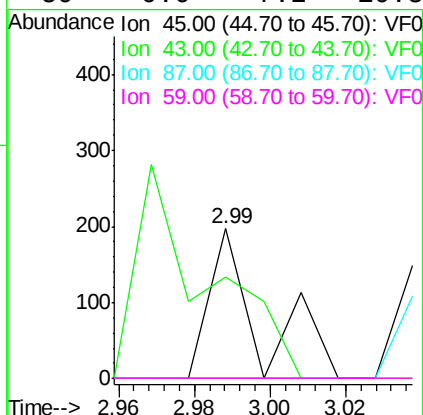
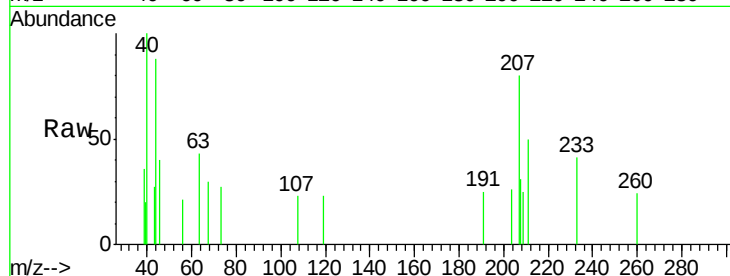




#22
Diisopropyl ether
Concen: 1.268 ug/l
RT: 2.99 min Scan# 249
Delta R.T. 0.05 min
Lab File: VF062575.D
Acq: 14 May 2019 8:14

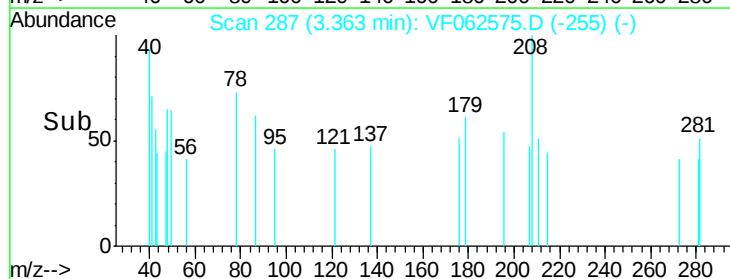
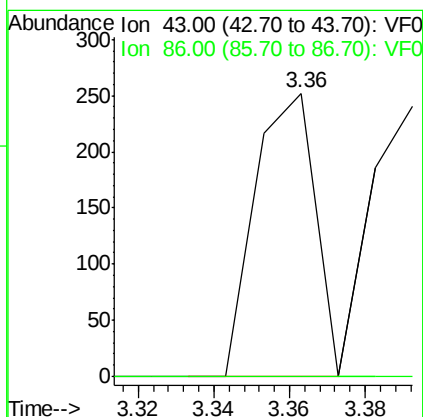
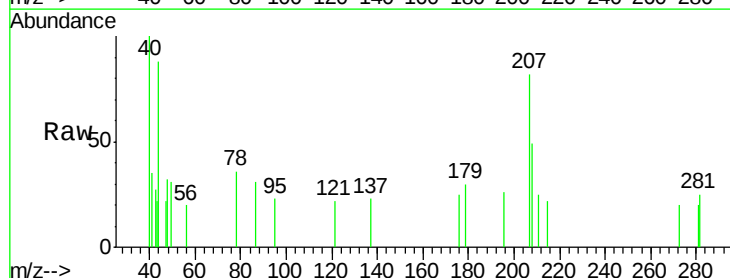
Instrument :
MSVOA_F
ClientSampleId :
P021-SS009-0002-01

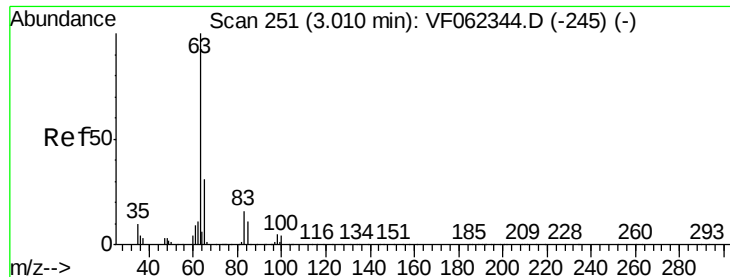
Tot Ion:	45	Resp:	184
Ion	Ratio	Lower	Upper
45	100		
43	68.0	41.4	62.0#
87	0.0	15.8	23.6#
59	0.0	7.2	10.8#



#23
Vinyl Acetate
Concen: 4.285 ug/l
RT: 3.36 min Scan# 287
Delta R.T. 0.02 min
Lab File: VF062575.D
Acq: 14 May 2019 8:14

Tgt Ion:	43	Resp:	277
Ion	Ratio	Lower	Upper
43	100		
86	62.7	5.7	8.5#





#24

1,1-Dichloroethane

Concen: 1.449 ug/l

RT: 2.99 min Scan# 249

Delta R.T. -0.02 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

Instrument :

MSVOA_F

ClientSampleId :

P021-SS009-0002-01

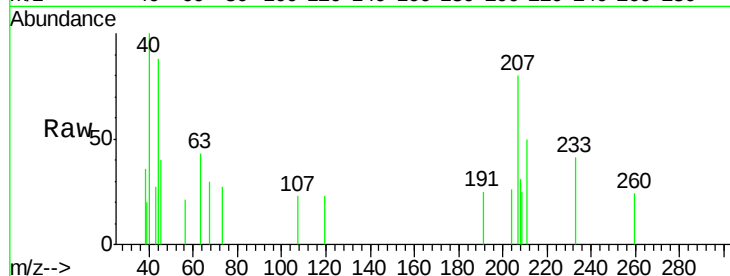
Tot Ion: 63 Resp: 127

Ion Ratio Lower Upper

63 100

98 0.0 2.6 8.0#

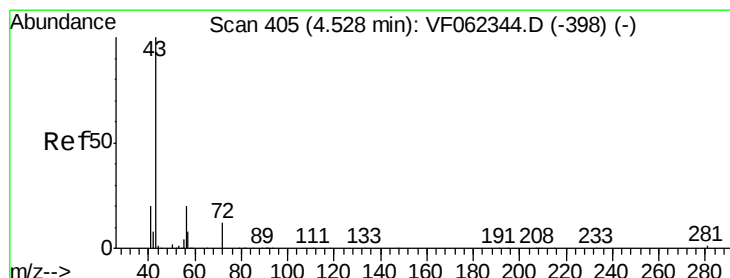
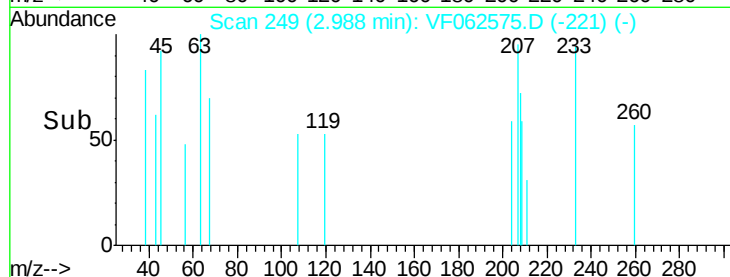
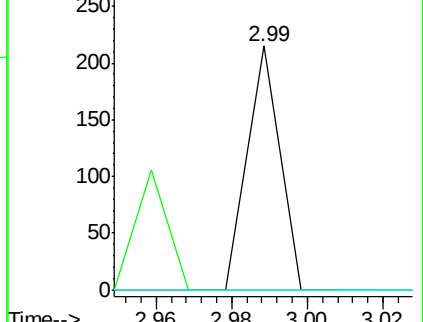
100 0.0 1.8 5.4#



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: 8.810 ug/l

RT: 4.56 min Scan# 408

Delta R.T. 0.03 min

Lab File: VF062575.D

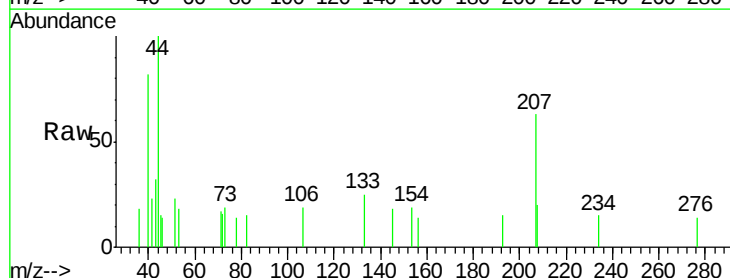
Acq: 14 May 2019 8:14

Tgt Ion: 43 Resp: 145

Ion Ratio Lower Upper

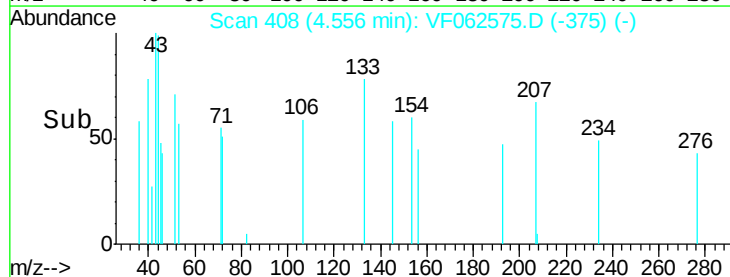
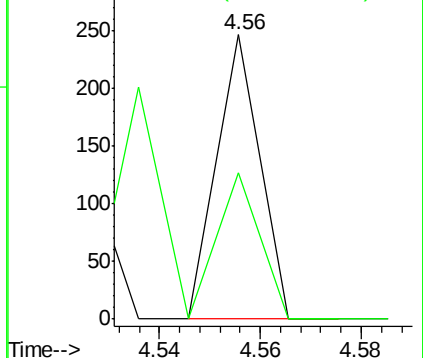
43 100

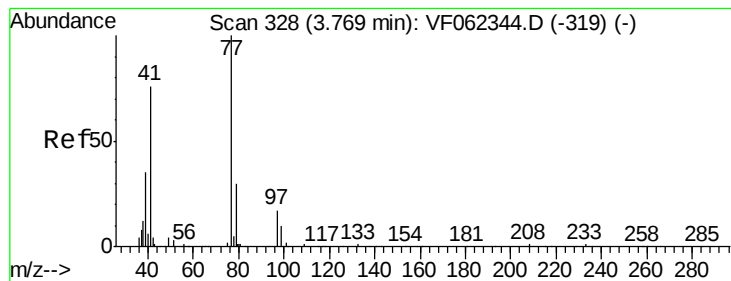
72 51.2 14.2 21.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#26

2,2-Dichloropropane

Concen: 7.925 ug/l

RT: 3.83 min Scan# 334

Delta R.T. 0.06 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

Instrument :

MSVOA_F

ClientSampleId :

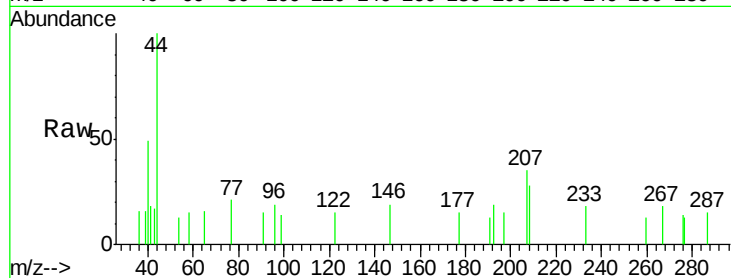
P021-SS009-0002-01

Tot Ion: 77 Resp: 388

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

3.83

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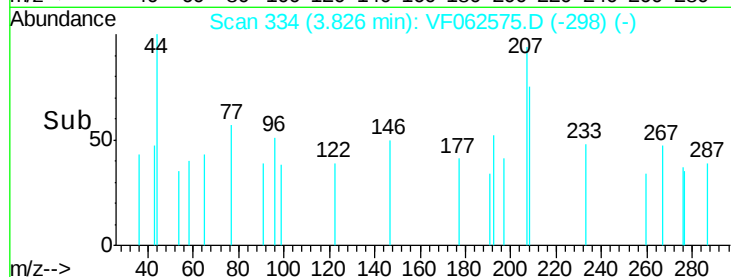
3.83

3.83

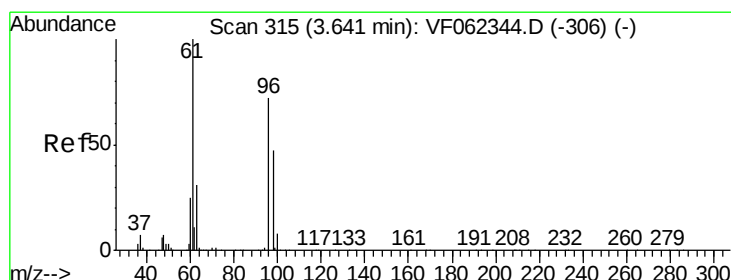
3.83

3.83

3.83



Time-->



#27

cis-1,2-Dichloroethene

Concen: 4.043 ug/l

RT: 3.65 min Scan# 316

Delta R.T. 0.01 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

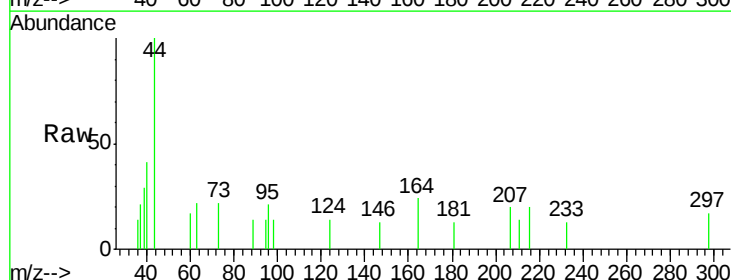
Tgt Ion: 96 Resp: 253

Ion Ratio Lower Upper

96 100

61 27.3 0.0 263.0

98 50.2 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

3.65

3.65

3.65

3.65

3.65

3.65

3.65

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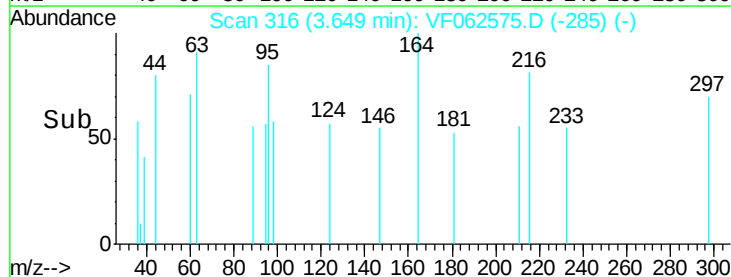
3.65

3.65

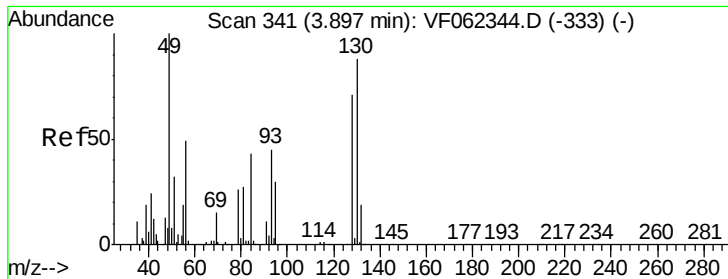
3.65

3.65

3.65



Time-->



#28

Bromochloromethane

Concen: 1.962 ug/l

RT: 3.92 min Scan# 344

Delta R.T. 0.03 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

Instrument :

MSVOA_F

ClientSampleId :

P021-SS009-0002-01

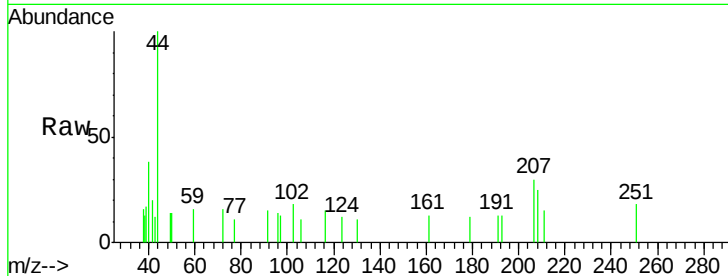
Tot Ion: 49 Resp: 78

Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.2

130 76.9 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

150

100

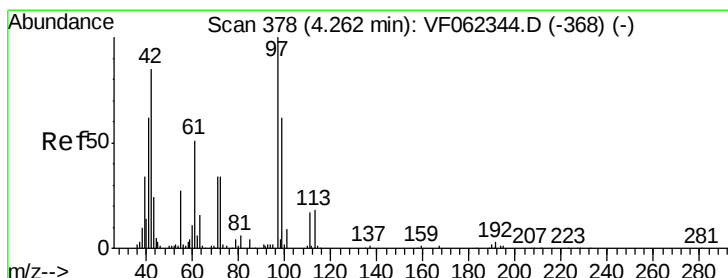
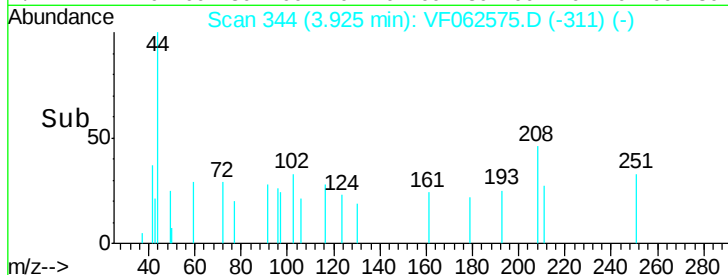
50

0

3.92

3.94

Time-->



#29

Tetrahydrofuran

Concen: 10.708 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.04 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

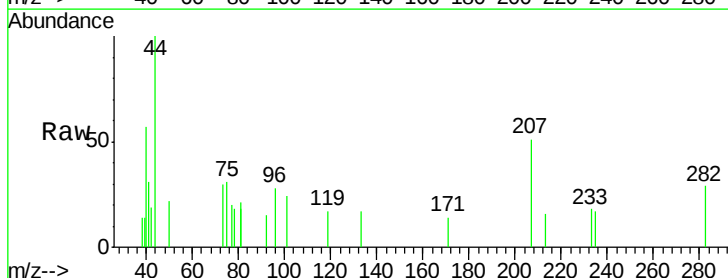
Tgt Ion: 42 Resp: 81

Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.0#

71 97.5 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

150

100

50

0

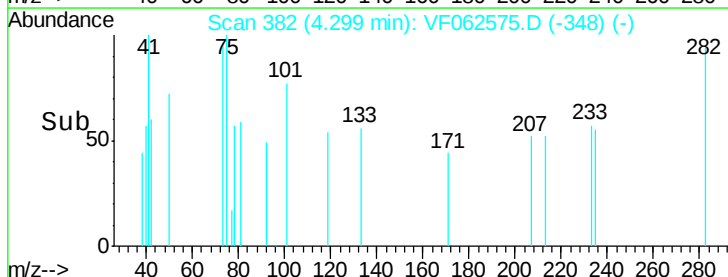
4.28

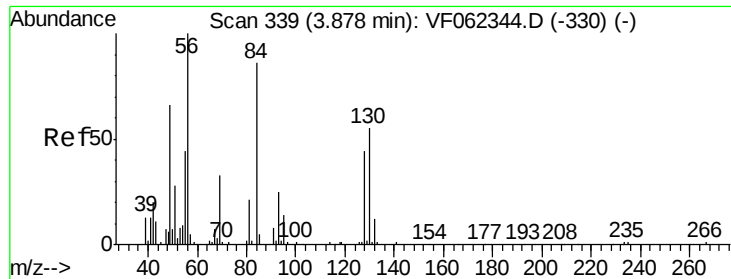
4.29

4.30

4.31

Time-->

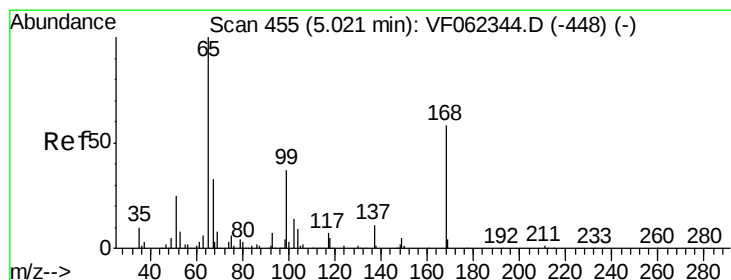
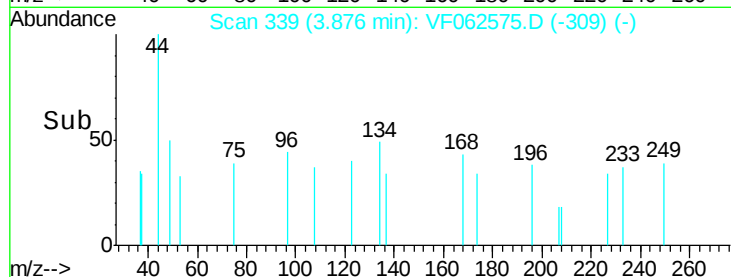
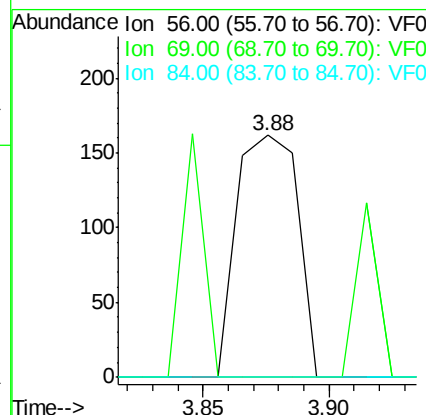
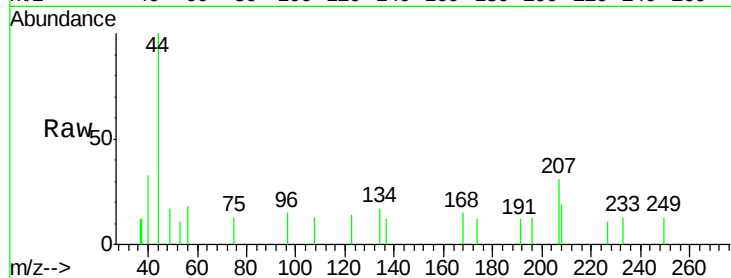




#31
Cyclohexane
Concen: 3.887 ug/l
RT: 3.88 min Scan# 339
Delta R.T. -0.00 min
Lab File: VF062575.D
Acq: 14 May 2019 8:14

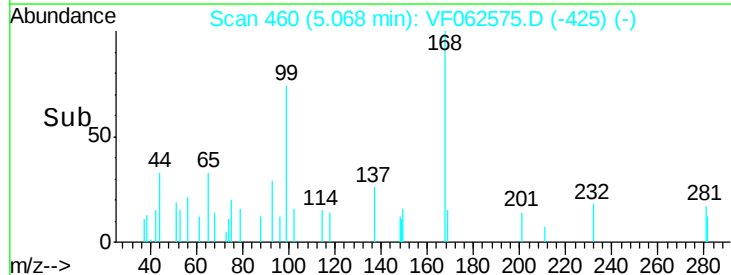
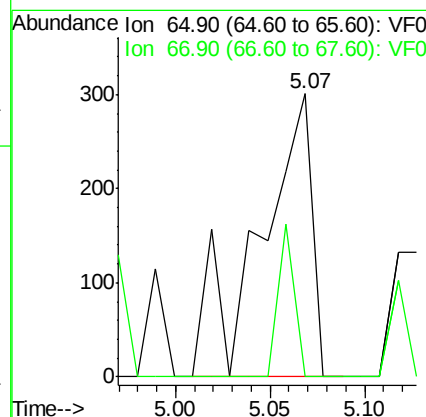
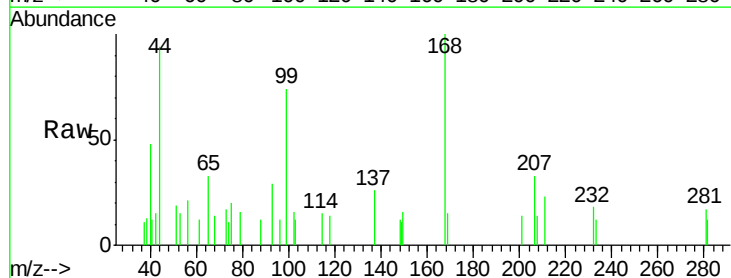
Instrument :
MSVOA_F
ClientSampleId :
P021-SS009-0002-01

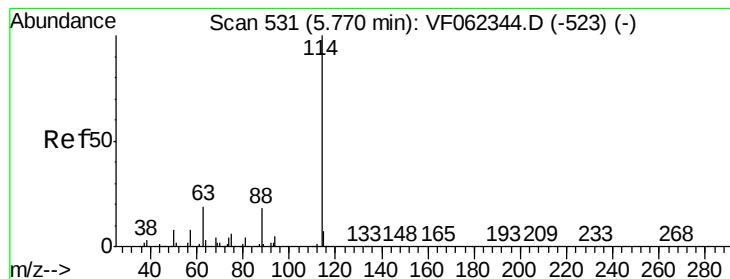
Tot Ion: 56 Resp: 272
Ion Ratio Lower Upper
56 100
69 0.0 26.4 39.6#
84 0.0 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 8.909 ug/l
RT: 5.07 min Scan# 460
Delta R.T. 0.05 min
Lab File: VF062575.D
Acq: 14 May 2019 8:14

Tgt Ion: 65 Resp: 577
Ion Ratio Lower Upper
65 100
67 16.6 0.0 85.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.82 min Scan# 536

Delta R.T. 0.05 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

Instrument :

MSVOA_F

ClientSampleId :

P021-SS009-0002-01

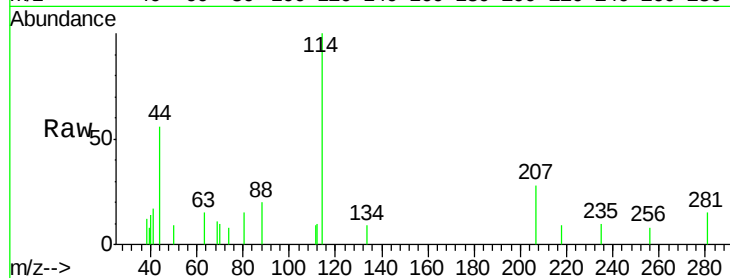
Tot Ion:114 Resp: 3696

Ion Ratio Lower Upper

114 100

63 14.6 0.0 37.4

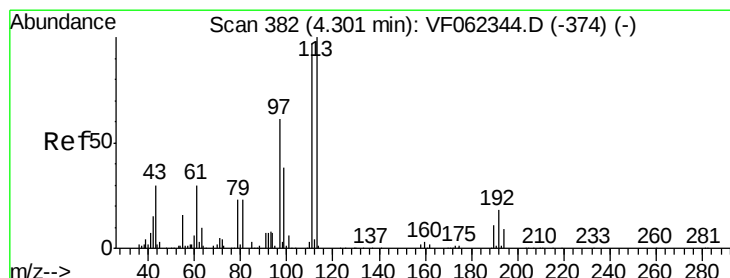
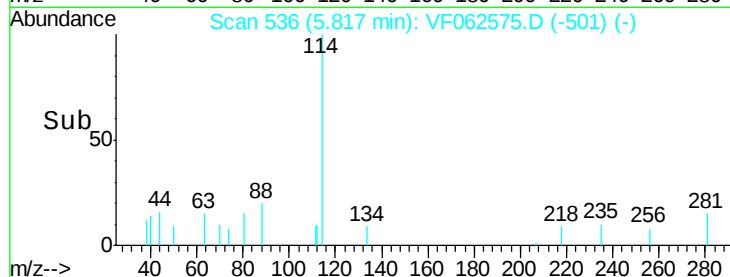
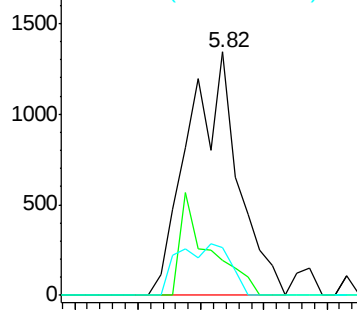
88 19.9 0.0 36.4



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: 46.017 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.02 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

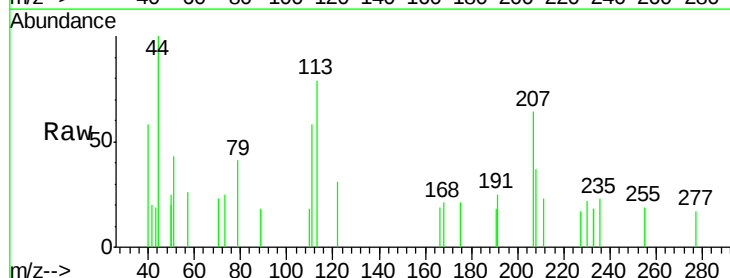
Tgt Ion:113 Resp: 1355

Ion Ratio Lower Upper

113 100

111 94.3 79.4 119.0

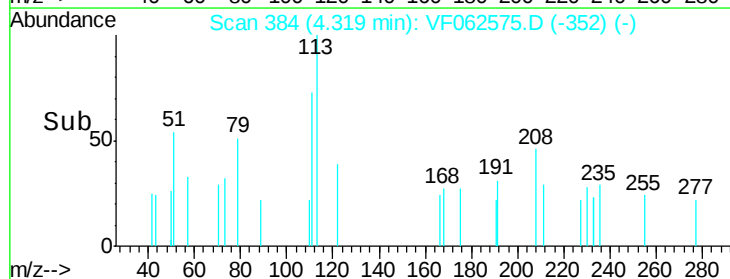
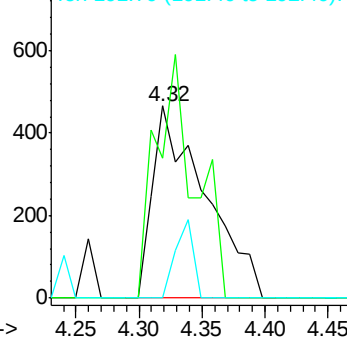
192 13.4 16.0 24.0#

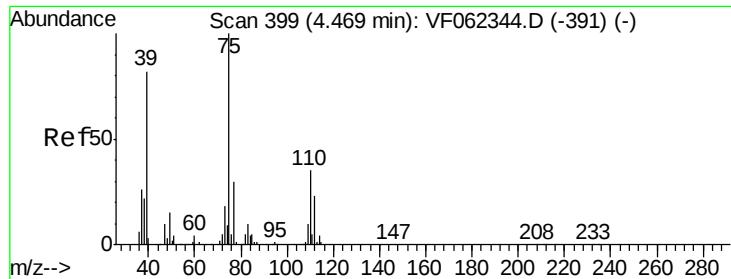


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 2.457 ug/l

RT: 4.53 min Scan# 405

Delta R.T. 0.06 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

Instrument :

MSVOA_F

ClientSampleId :

P021-SS009-0002-01

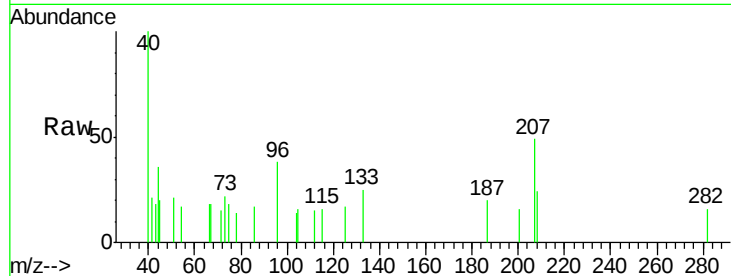
Tot Ion: 75 Resp: 78

Ion Ratio Lower Upper

75 100

110 0.0 17.2 51.5#

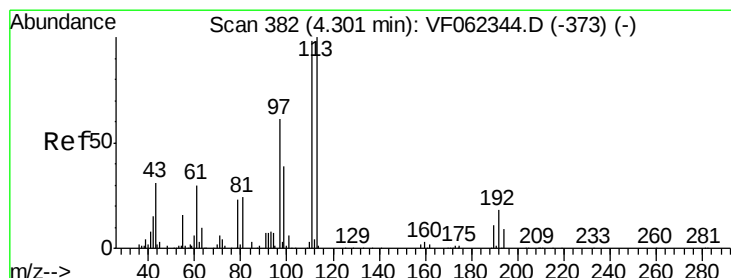
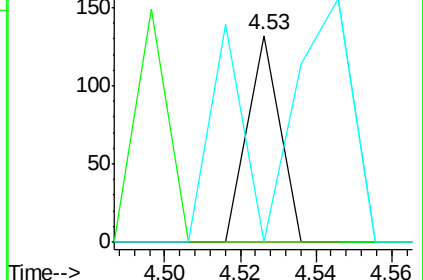
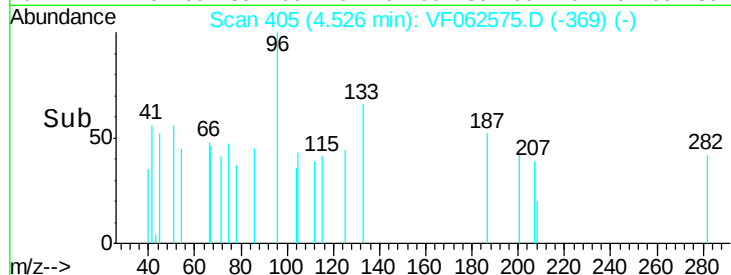
77 310.3 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 109.90 (109.60 to 110.60): VF0

Ion 76.90 (76.60 to 77.60): VF0



#37

Ethyl Acetate

Concen: 28.647 ug/l

RT: 4.35 min Scan# 387

Delta R.T. 0.05 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

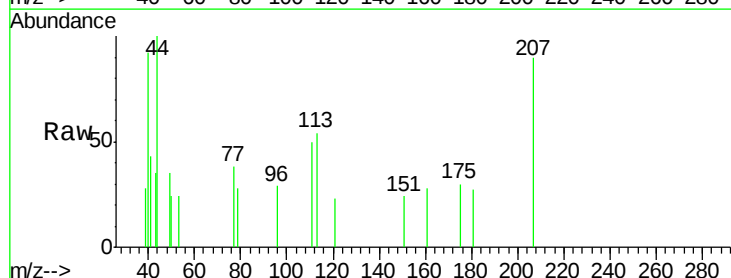
Tgt Ion: 43 Resp: 382

Ion Ratio Lower Upper

43 100

61 0.0 0.0 0.0

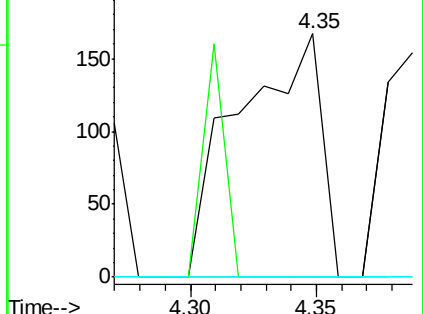
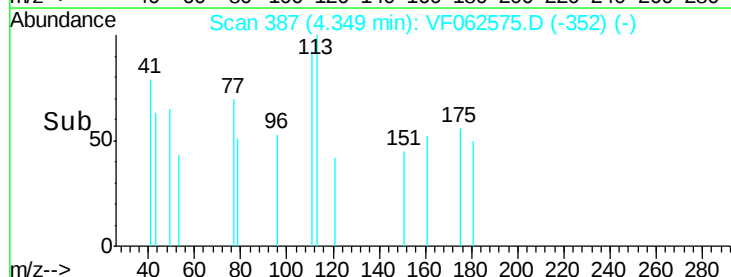
70 0.0 8.2 12.2#

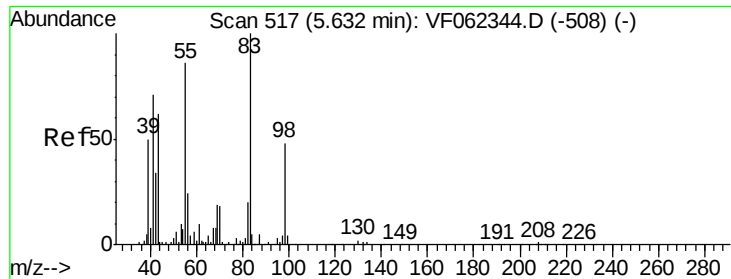


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 70.00 (69.70 to 70.70): VF0





#39

Methylcyclohexane

Concen: 1.916 ug/l

RT: 5.49 min Scan# 503

Delta R.T. -0.14 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

Instrument :

MSVOA_F

ClientSampleId :

P021-SS009-0002-01

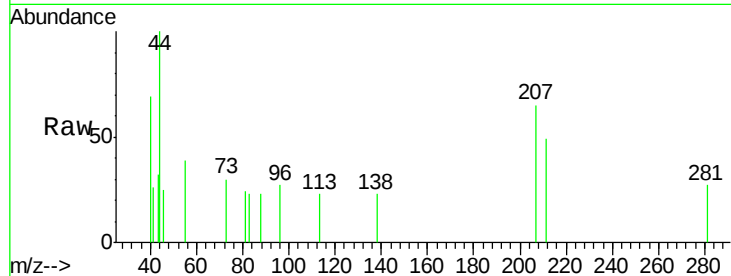
Tot Ion: 83 Resp: 61

Ion Ratio Lower Upper

83 100

55 170.9 69.0 103.6#

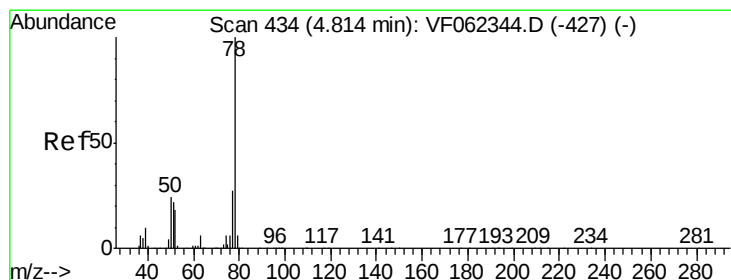
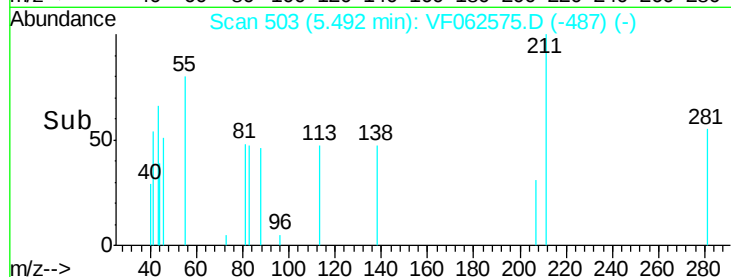
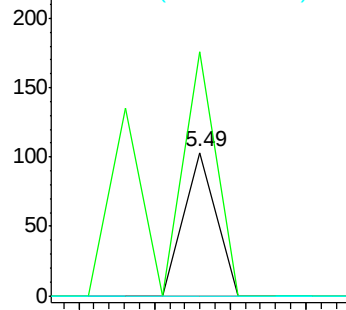
98 0.0 38.6 58.0#



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: 2.017 ug/l

RT: 4.85 min Scan# 438

Delta R.T. 0.04 min

Lab File: VF062575.D

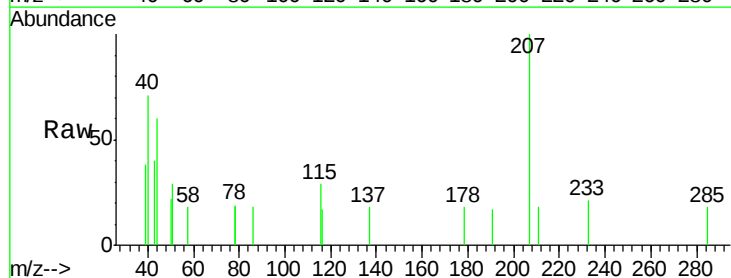
Acq: 14 May 2019 8:14

Tgt Ion: 78 Resp: 141

Ion Ratio Lower Upper

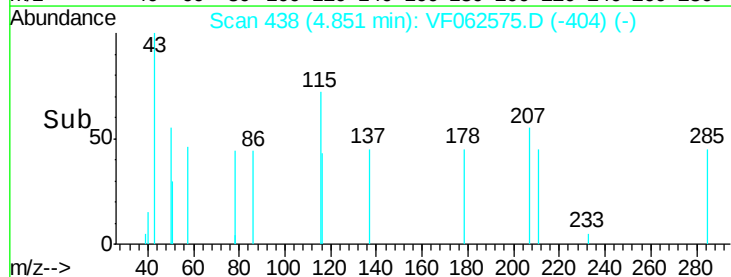
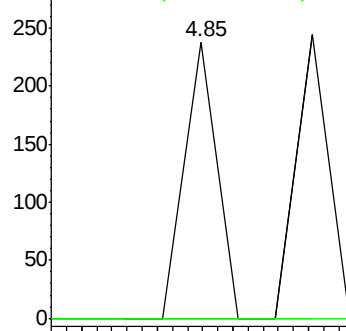
78 100

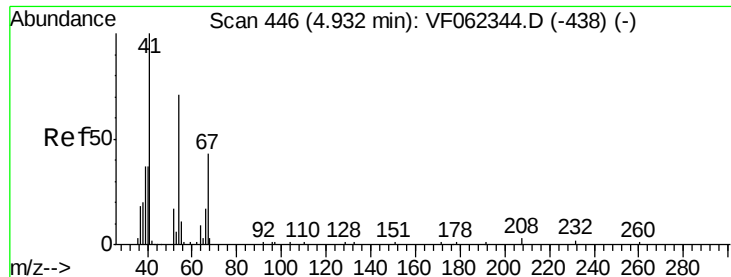
77 0.0 21.6 32.4#



Abundance Ion 78.00 (77.70 to 78.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 15.631 ug/l

RT: 4.97 min Scan# 450

Delta R.T. 0.04 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

Instrument :

MSVOA_F

ClientSampleId :

P021-SS009-0002-01

Tot Ion: 41 Resp: 119

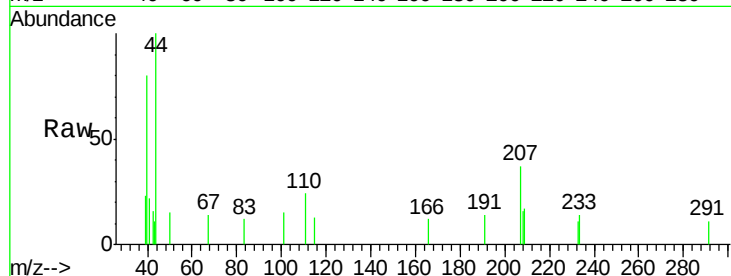
Ion Ratio Lower Upper

41 100

39 212.6 54.3 81.5#

67 64.7 37.8 56.8#

52 0.0 58.2 87.4#

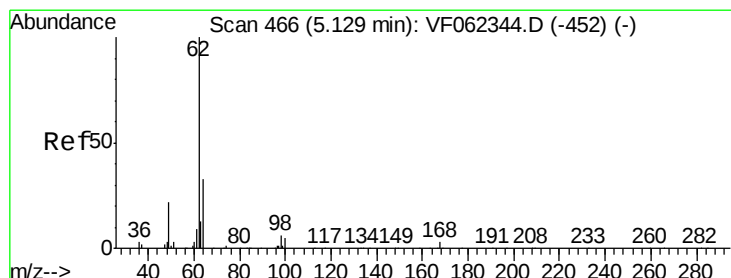
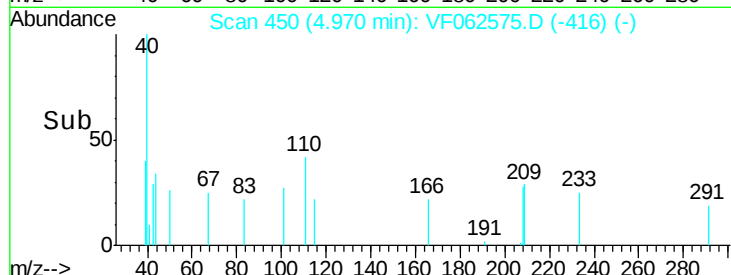
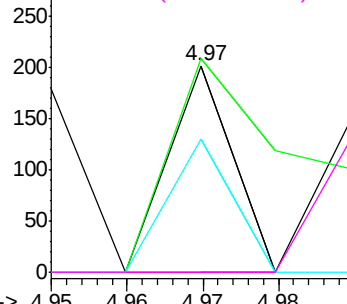


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 3.967 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.08 min

Lab File: VF062575.D

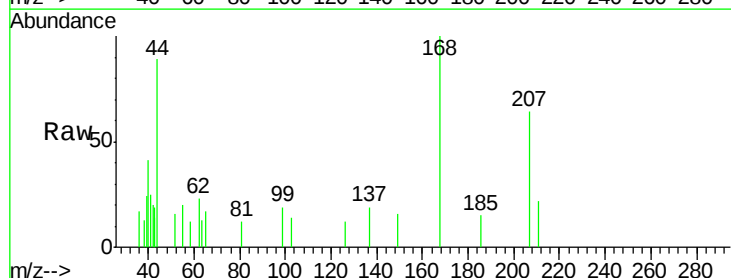
Acq: 14 May 2019 8:14

Tgt Ion: 62 Resp: 116

Ion Ratio Lower Upper

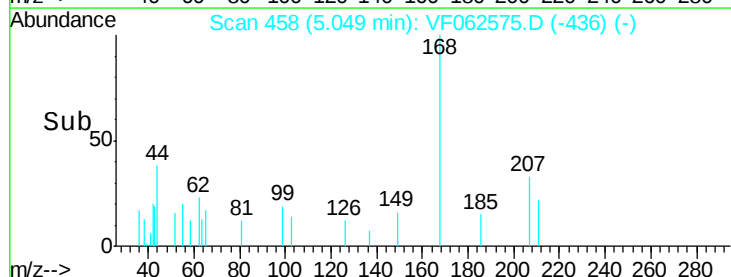
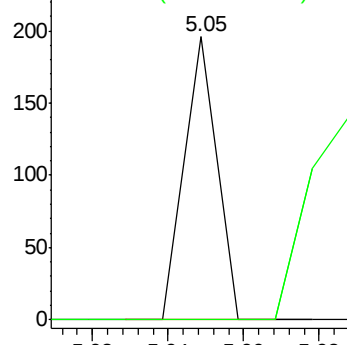
62 100

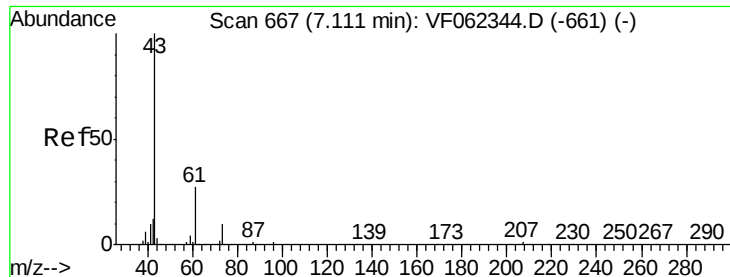
98 0.0 0.0 12.4



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 97.90 (97.60 to 98.60): VF0





#43

Isopropyl Acetate

Concen: 8.656 ug/l

RT: 7.20 min Scan# 676

Delta R.T. 0.09 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

Instrument :

MSVOA_F

ClientSampleId :

P021-SS009-0002-01

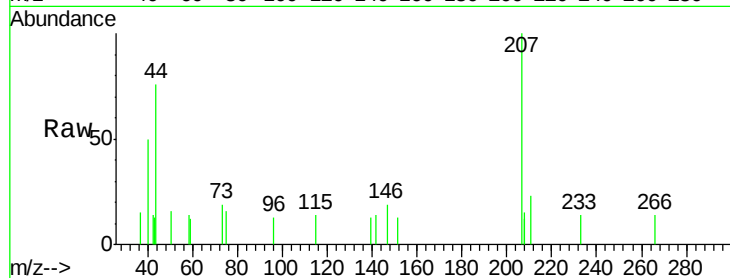
Tot Ion: 43 Resp: 125

Ion Ratio Lower Upper

43 100

61 0.0 22.8 34.2#

87 0.0 0.6 1.0#

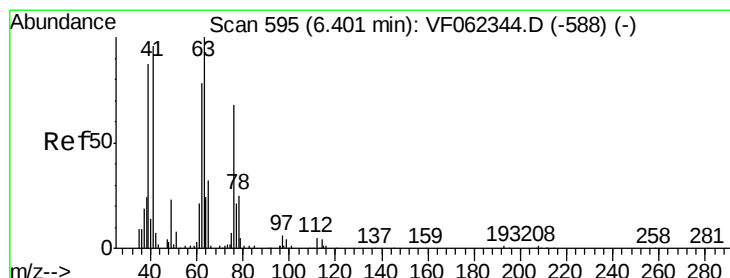
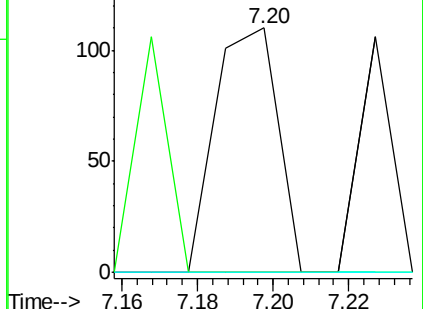
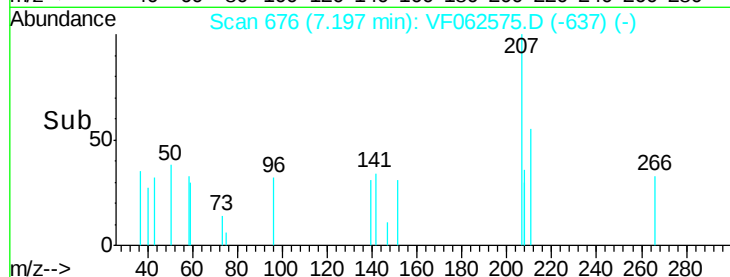


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Time-->



#45

1,2-Dichloropropane

Concen: 5.494 ug/l

RT: 6.52 min Scan# 607

Delta R.T. 0.12 min

Lab File: VF062575.D

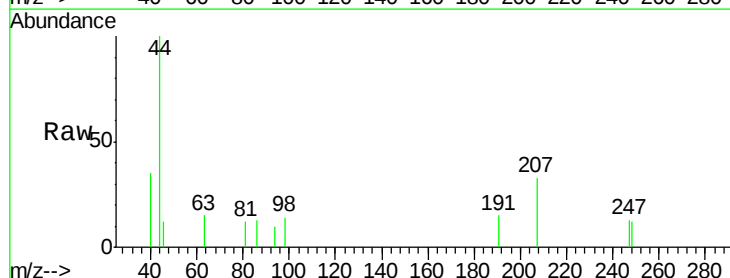
Acq: 14 May 2019 8:14

Tgt Ion: 63 Resp: 87

Ion Ratio Lower Upper

63 100

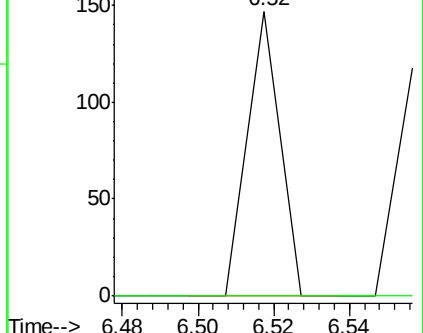
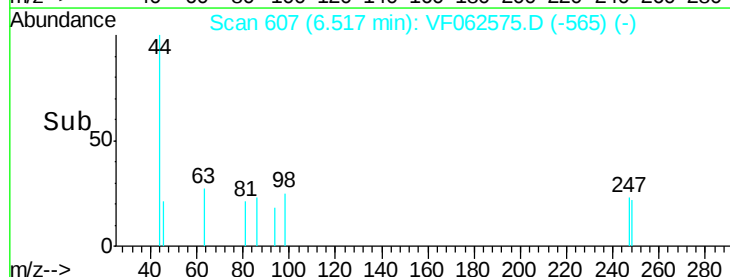
65 0.0 25.6 38.4#

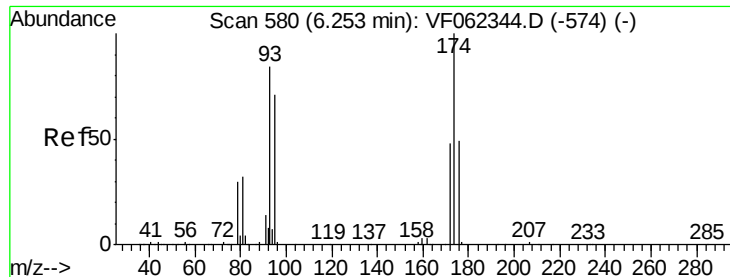


Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 64.90 (64.60 to 65.60): VF0

Time-->





#46

Dibromomethane

Concen: 5.027 ug/l

RT: 6.30 min Scan# 585

Delta R.T. 0.05 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

Instrument :

MSVOA_F

ClientSampleId :

P021-SS009-0002-01

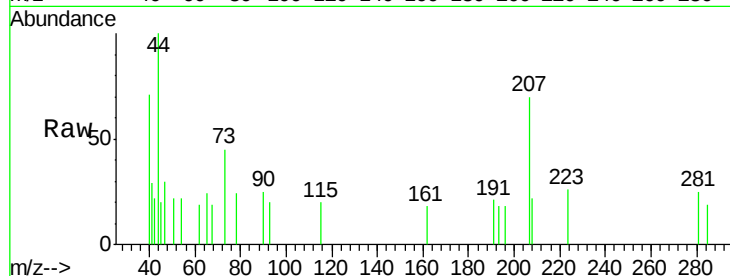
Tot Ion: 93 Resp: 66

Ion Ratio Lower Upper

93 100

95 0.0 68.4 102.6#

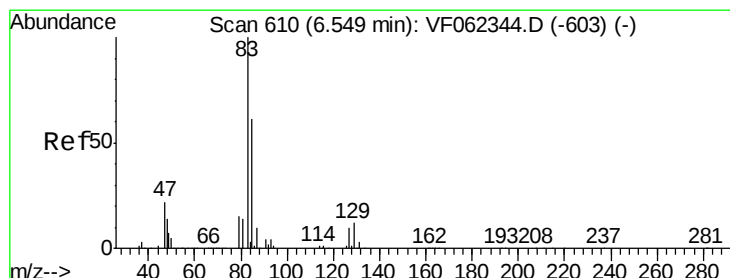
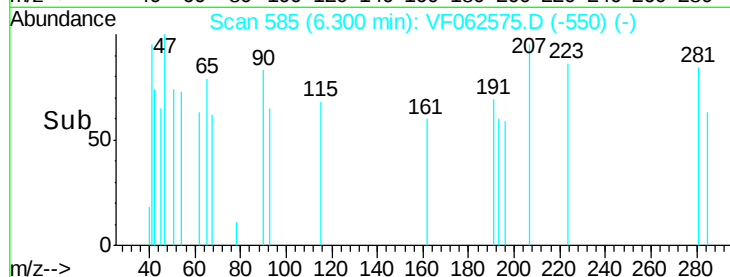
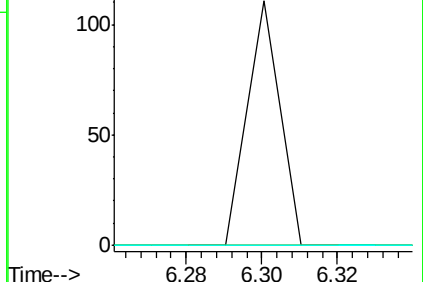
174 0.0 99.6 149.4#



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: 9.565 ug/l

RT: 6.59 min Scan# 614

Delta R.T. 0.04 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

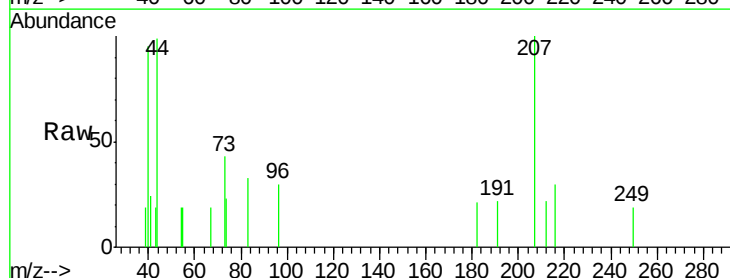
Tgt Ion: 83 Resp: 314

Ion Ratio Lower Upper

83 100

85 0.0 49.1 73.7#

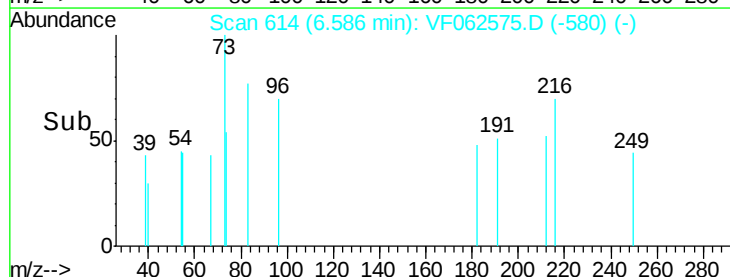
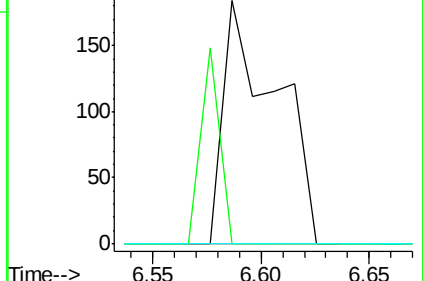
127 0.0 7.8 11.8#

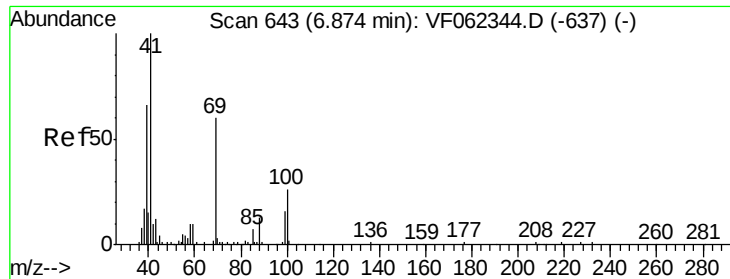


Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 126.80 (126.50 to 127.50): V

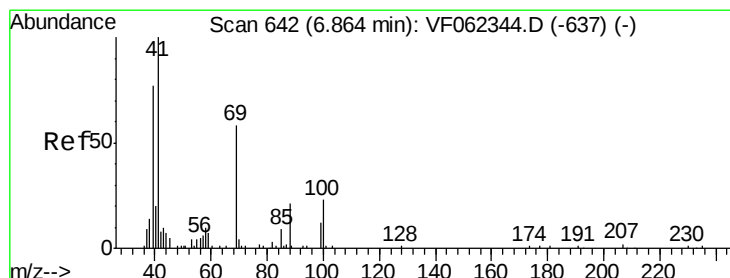
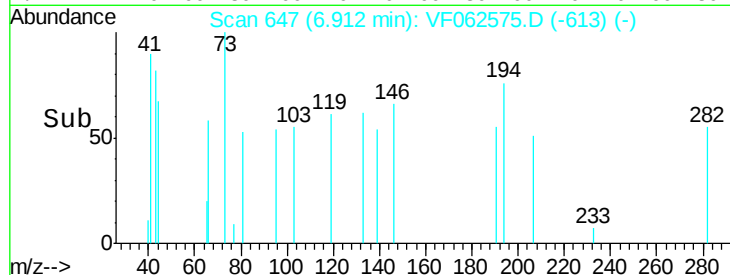
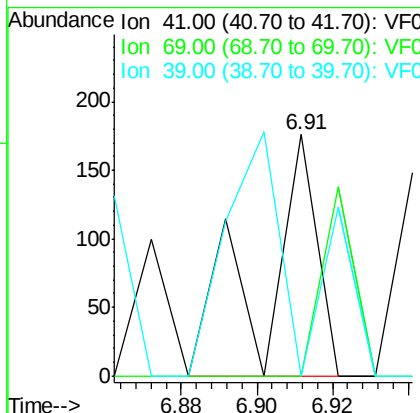
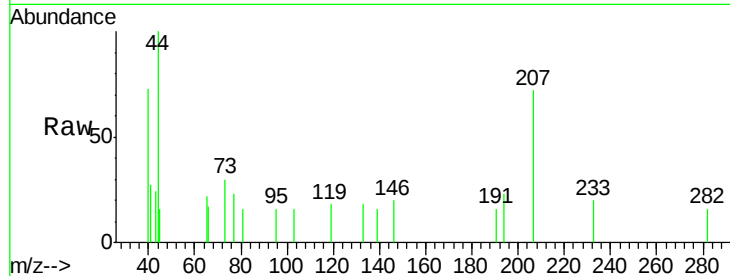




#48
Methvl methacrvlate
Concen: 16.853 ug/l
RT: 6.91 min Scan# 647
Delta R.T. 0.04 min
Lab File: VF062575.D
Acq: 14 May 2019 8:14

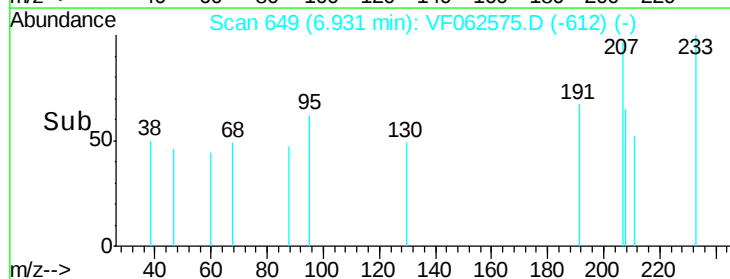
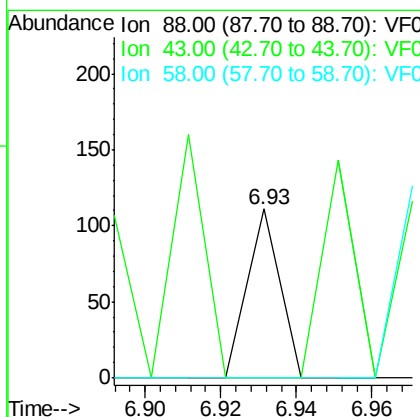
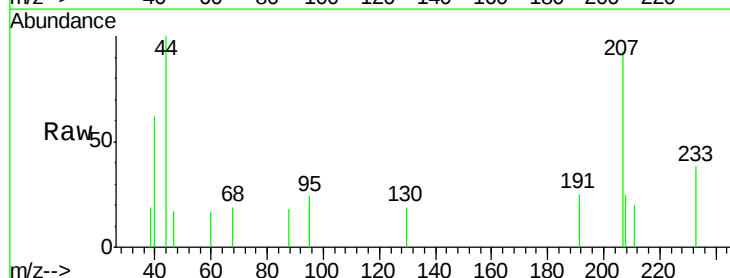
Instrument :
MSVOA_F
ClientSampleId :
P021-SS009-0002-01

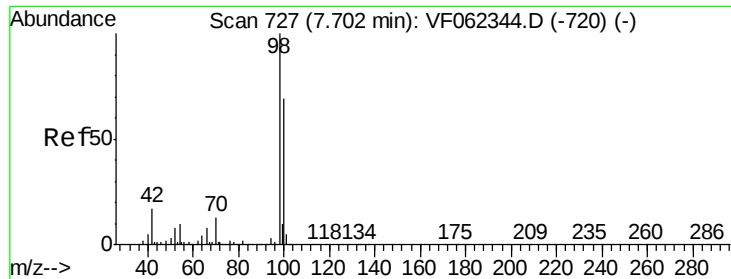
Tot Ion: 41 Resp: 172
Ion Ratio Lower Upper
41 100
69 47.7 48.6 72.8#
39 142.4 56.1 84.1#



#49
1,4-Dioxane
Concen: 623.879 ug/l
RT: 6.93 min Scan# 649
Delta R.T. 0.07 min
Lab File: VF062575.D
Acq: 14 May 2019 8:14

Tgt Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 128.8 55.6 83.4#
58 0.0 52.8 79.2#





#50

Toluene-d8

Concen: 26.208 ug/l

RT: 7.73 min Scan# 730

Delta R.T. 0.03 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

Instrument :

MSVOA_F

ClientSampleId :

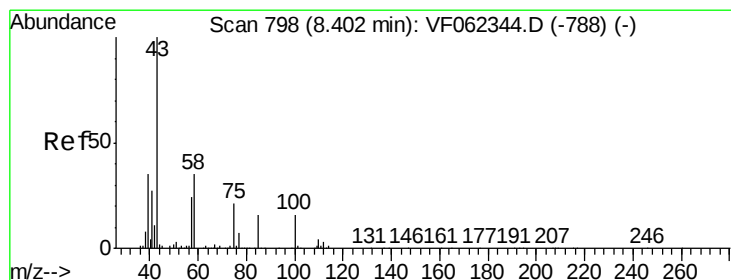
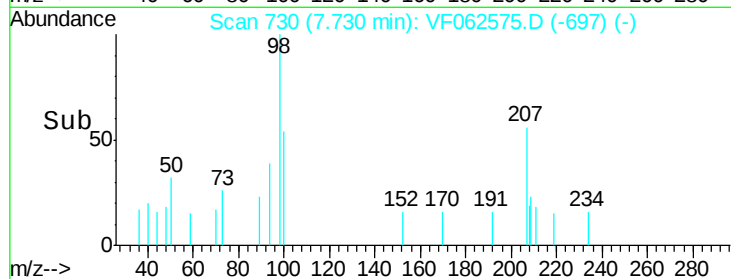
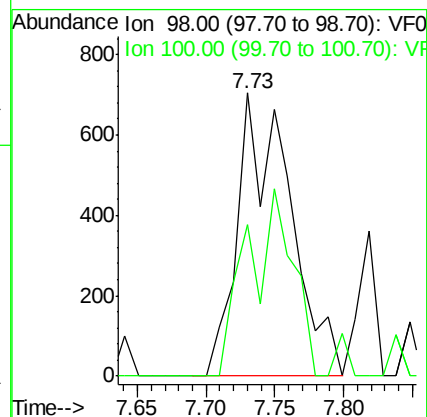
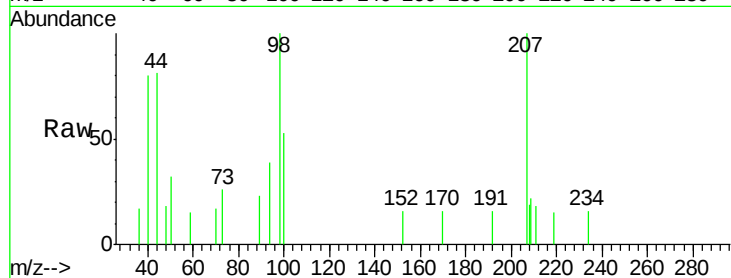
P021-SS009-0002-01

Tot Ion: 98 Resp: 1868

Ion Ratio Lower Upper

98 100

100 57.4 53.3 79.9



#51

4-Methyl-2-Pentanone

Concen: 6.397 ug/l

RT: 8.48 min Scan# 806

Delta R.T. 0.08 min

Lab File: VF062575.D

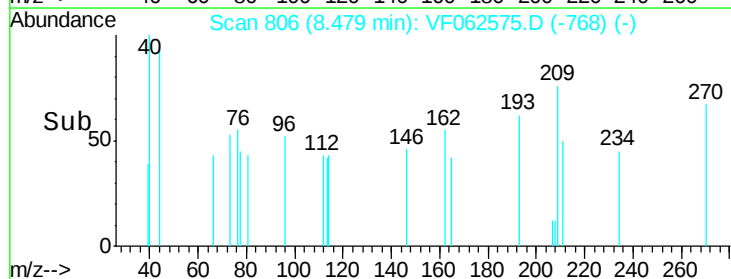
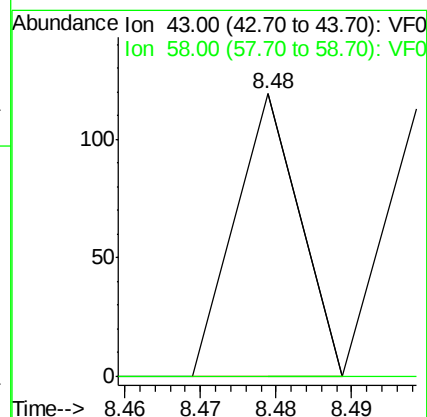
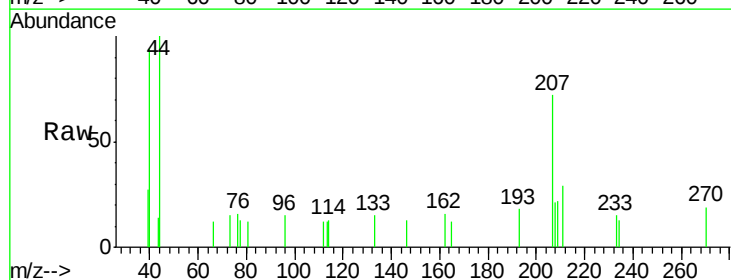
Acq: 14 May 2019 8:14

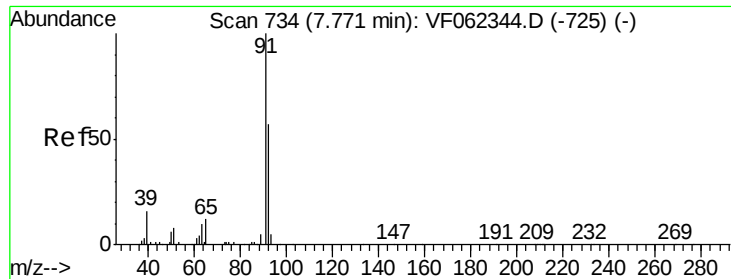
Tgt Ion: 43 Resp: 70

Ion Ratio Lower Upper

43 100

58 0.0 27.8 41.6#





#52

Toluene

Concen: 1.600 ug/l

RT: 7.89 min Scan# 746

Delta R.T. 0.12 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

Instrument :

MSVOA_F

ClientSampleId :

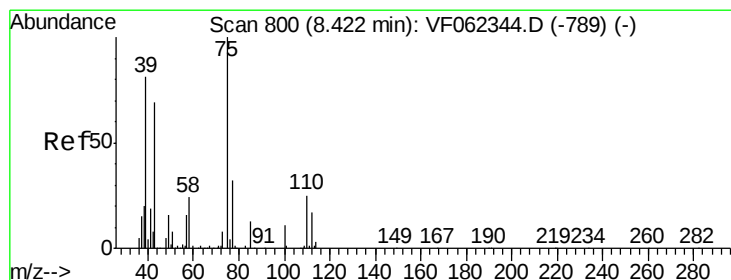
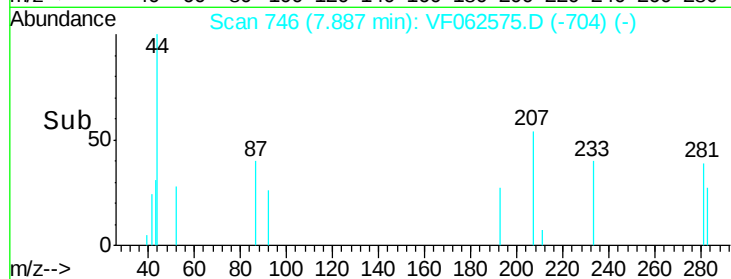
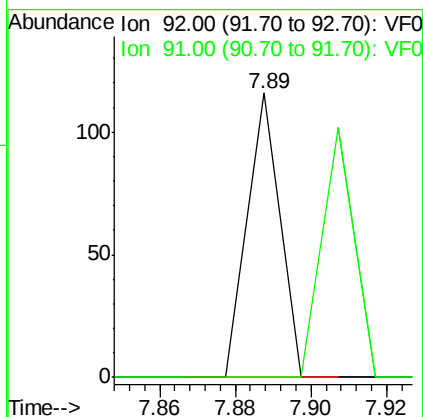
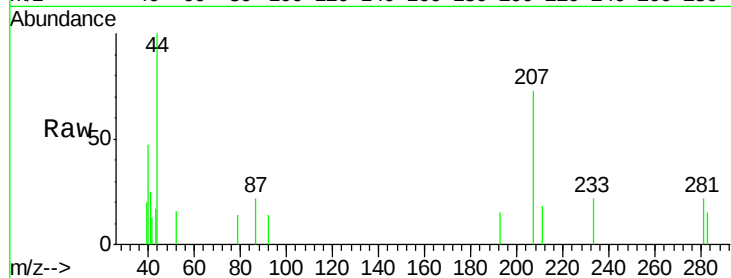
P021-SS009-0002-01

Tot Ion: 92 Resp: 69

Ion Ratio Lower Upper

92 100

91 87.0 138.7 208.1#



#53

t-1,3-Dichloropropene

Concen: 2.819 ug/l

RT: 8.51 min Scan# 809

Delta R.T. 0.09 min

Lab File: VF062575.D

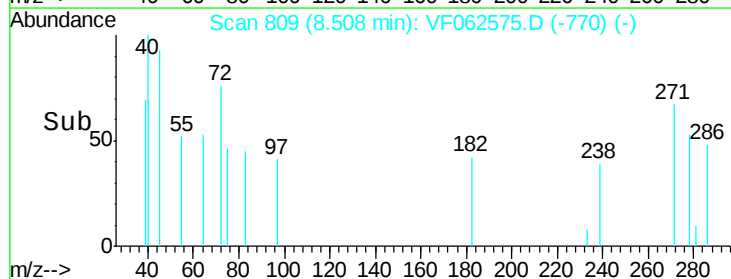
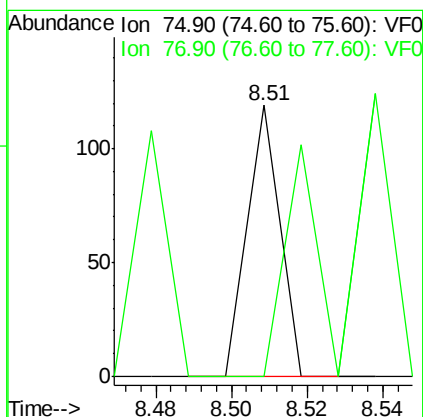
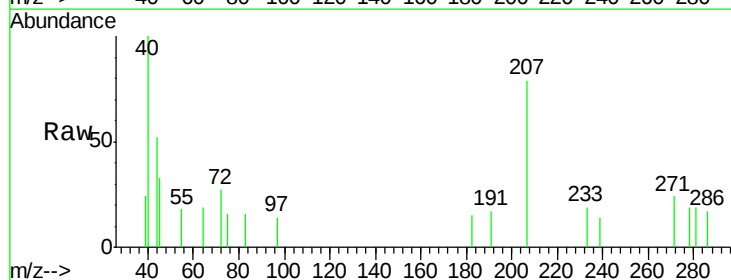
Acq: 14 May 2019 8:14

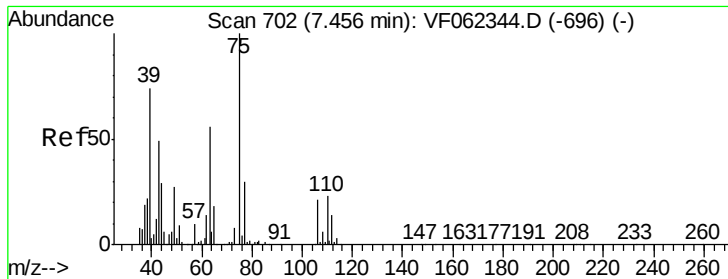
Tgt Ion: 75 Resp: 70

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#





#54

cis-1,3-Dichloropropene

Concen: 5.330 ug/l

RT: 7.48 min Scan# 705

Delta R.T. 0.03 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

Instrument :

MSVOA_F

ClientSampleId :

P021-SS009-0002-01

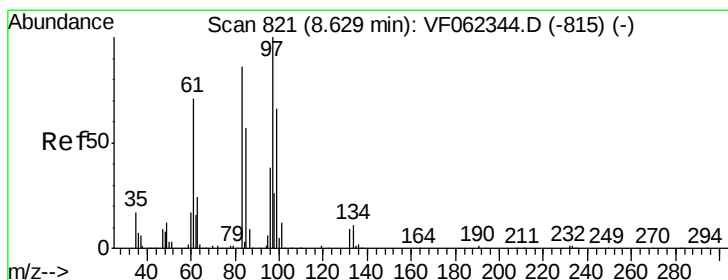
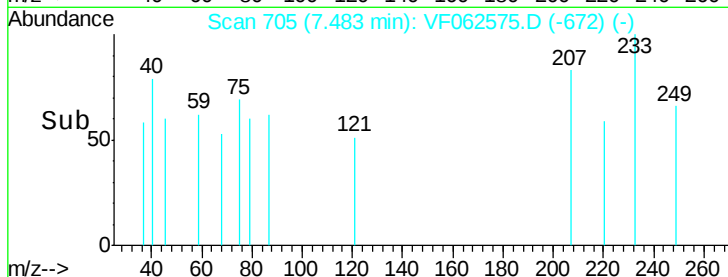
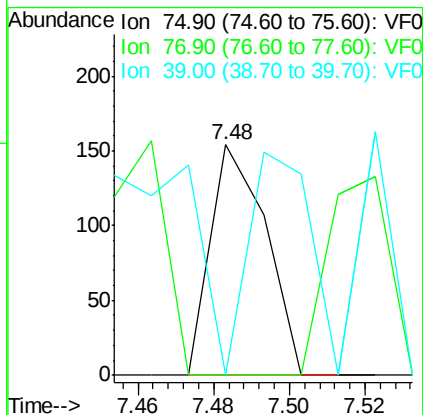
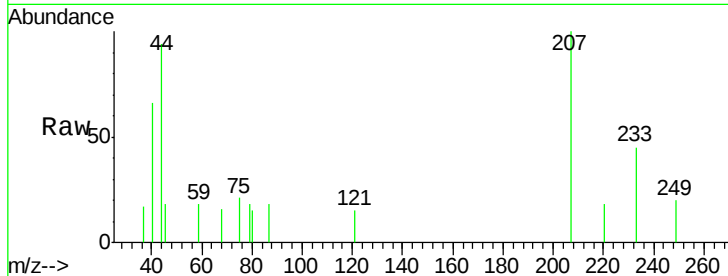
Tot Ion: 75 Resp: 154

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: 4.601 ug/l

RT: 8.61 min Scan# 819

Delta R.T. -0.02 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

Tgt Ion: 97 Resp: 63

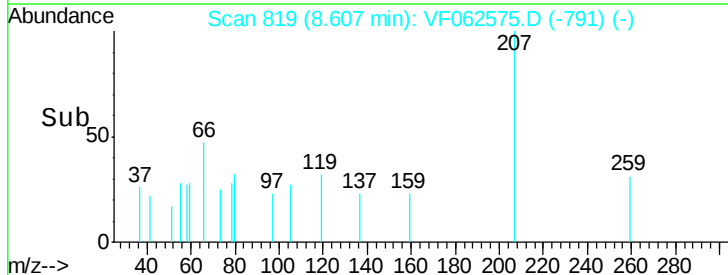
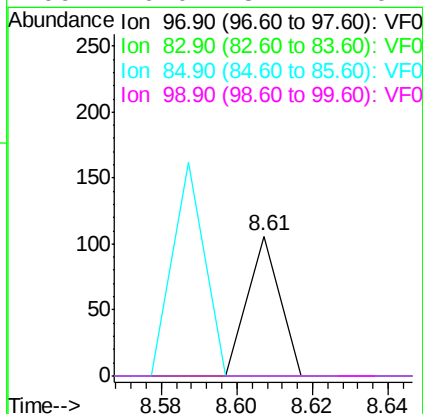
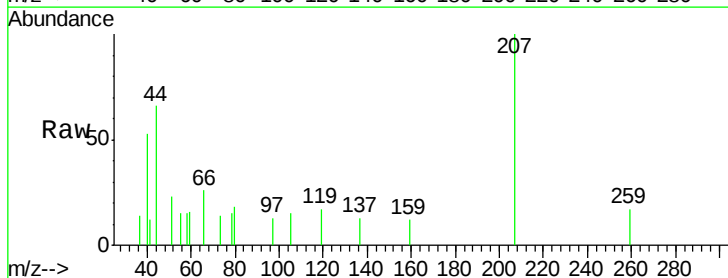
Ion Ratio Lower Upper

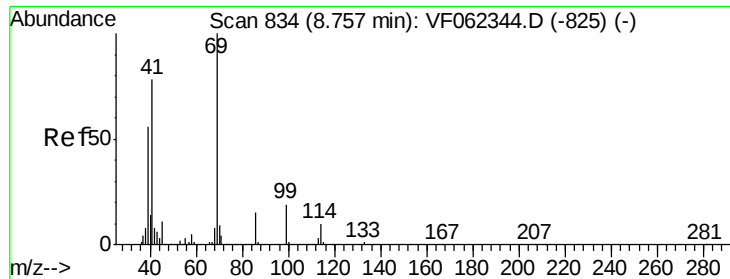
97 100

83 0.0 68.5 102.7#

85 0.0 45.4 68.2#

99 0.0 52.7 79.1#





#56

Ethyl methacrylate

Concen: 4.151 ug/l

RT: 8.82 min Scan# 841

Delta R.T. 0.07 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

Instrument :

MSVOA_F

ClientSampleId :

P021-SS009-0002-01

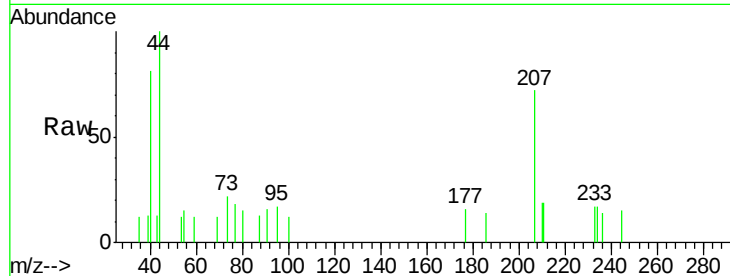
Tot Ion: 69 Resp: 60

Ion Ratio Lower Upper

69 100

41 223.3 66.3 99.5#

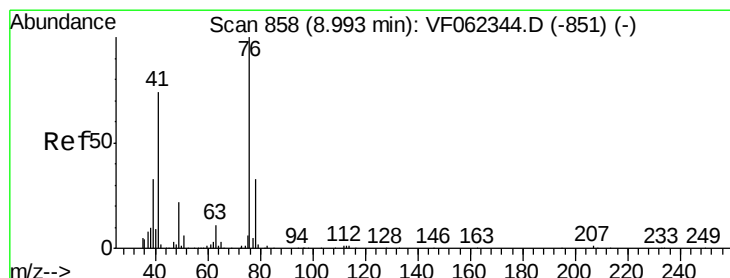
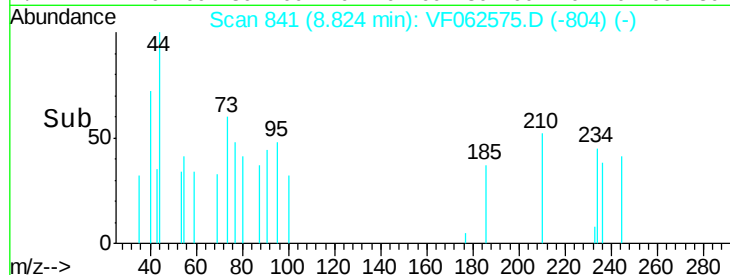
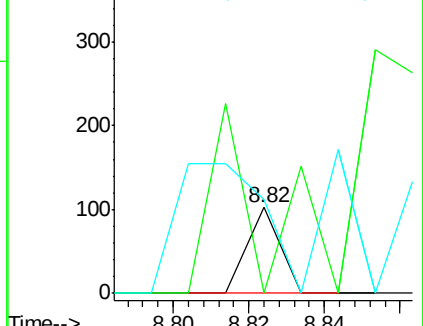
39 416.7 50.1 75.1#



Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#57

1,3-Dichloropropane

Concen: 3.046 ug/l

RT: 9.12 min Scan# 871

Delta R.T. 0.13 min

Lab File: VF062575.D

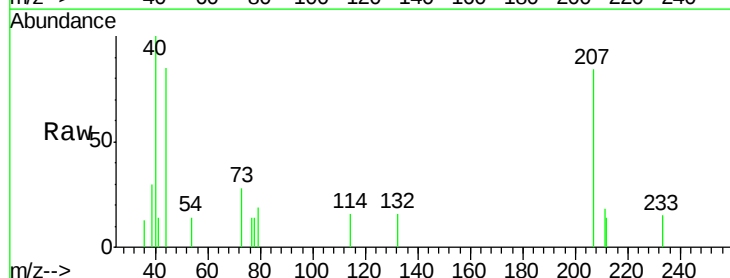
Acq: 14 May 2019 8:14

Tgt Ion: 76 Resp: 63

Ion Ratio Lower Upper

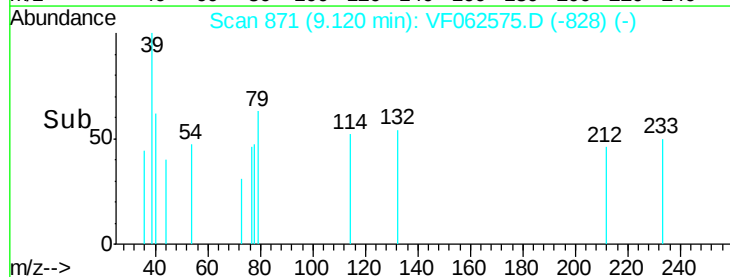
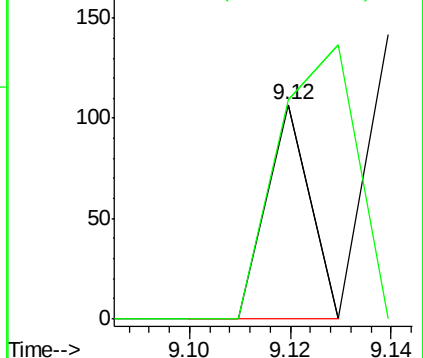
76 100

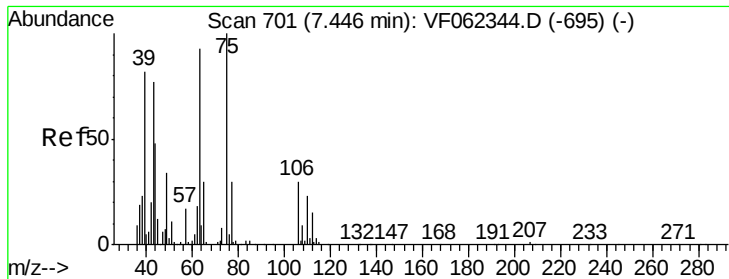
78 230.2 26.4 39.6#



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: 16.109 ug/l

RT: 7.49 min Scan# 706

Delta R.T. 0.05 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

Instrument :

MSVOA_F

ClientSampleId :

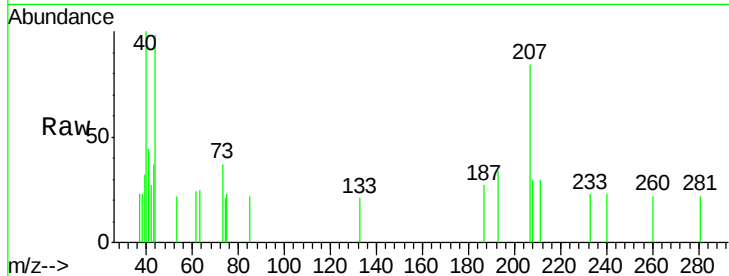
P021-SS009-0002-01

Tot Ion: 63 Resp: 70

Ion Ratio Lower Upper

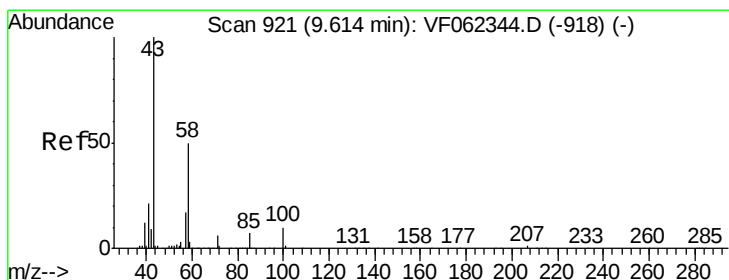
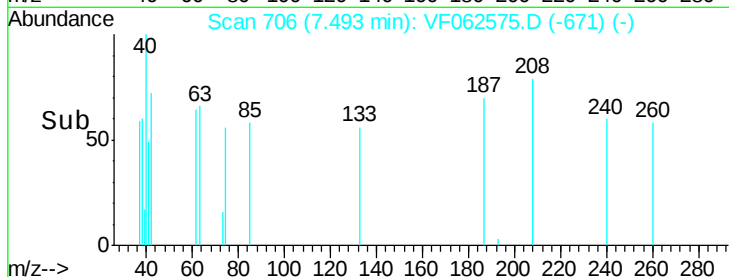
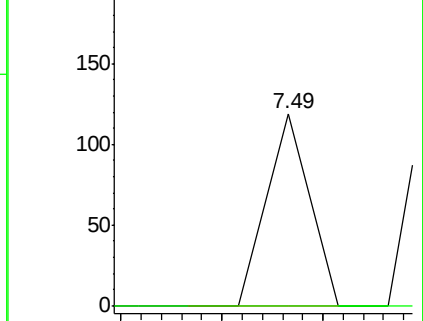
63 100

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: 12.949 ug/l

RT: 9.87 min Scan# 947

Delta R.T. 0.25 min

Lab File: VF062575.D

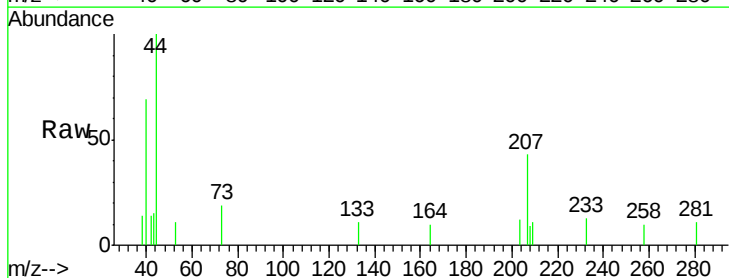
Acq: 14 May 2019 8:14

Tgt Ion: 43 Resp: 98

Ion Ratio Lower Upper

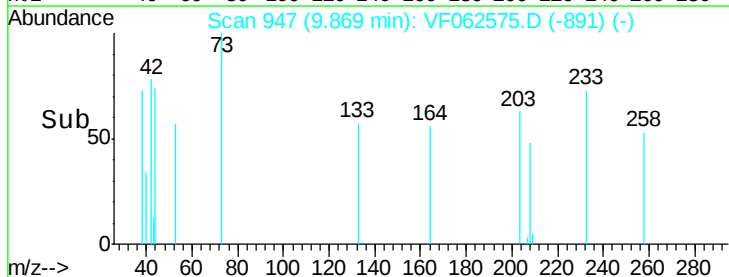
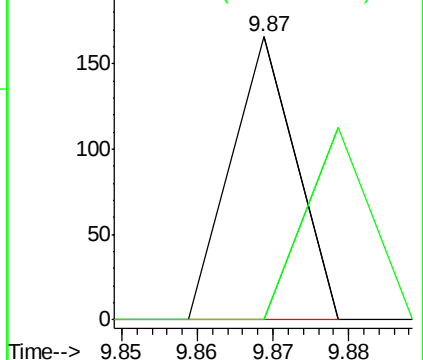
43 100

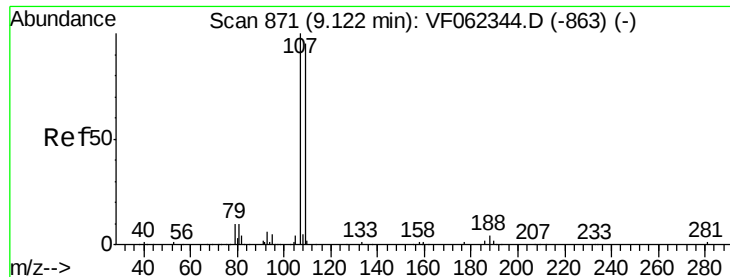
58 68.4 24.3 73.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#61

1,2-Dibromoethane

Concen: 3.853 ug/l

RT: 9.41 min Scan# 900

Delta R.T. 0.28 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

Instrument :

MSVOA_F

ClientSampleId :

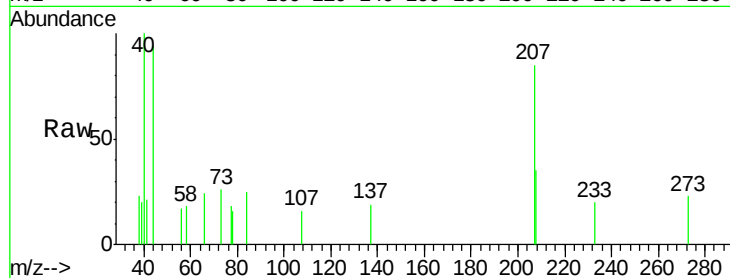
P021-SS009-0002-01

Tot Ion: 107 Resp: 62

Ion Ratio Lower Upper

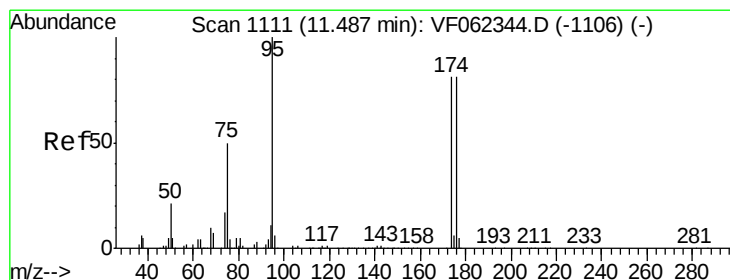
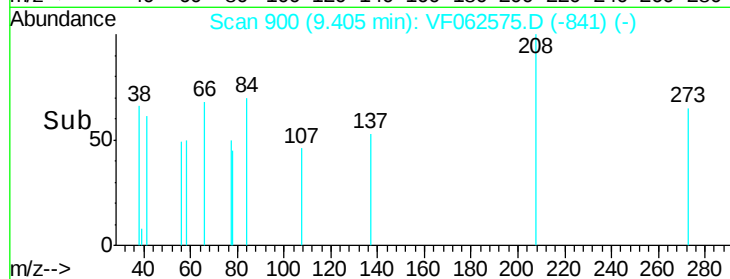
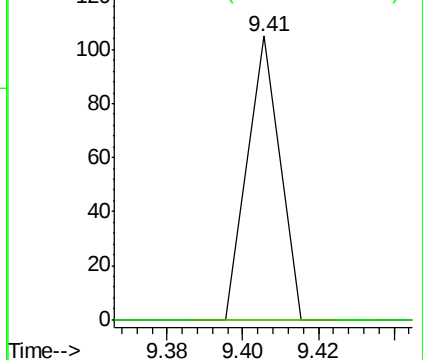
107 100

109 0.0 75.2 112.8#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 2.705 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.11 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

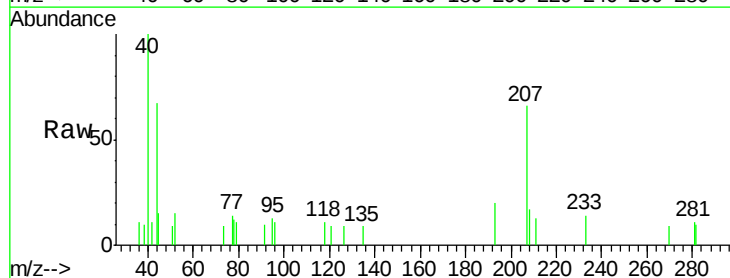
Tgt Ion: 95 Resp: 87

Ion Ratio Lower Upper

95 100

174 0.0 0.0 191.8

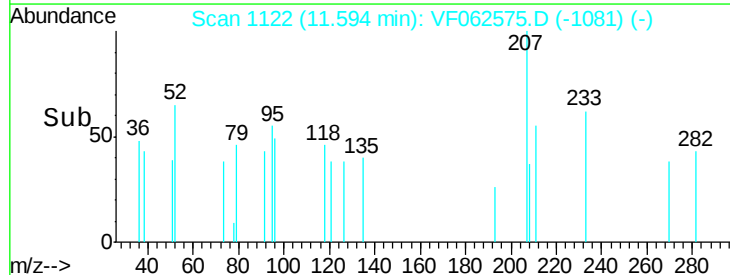
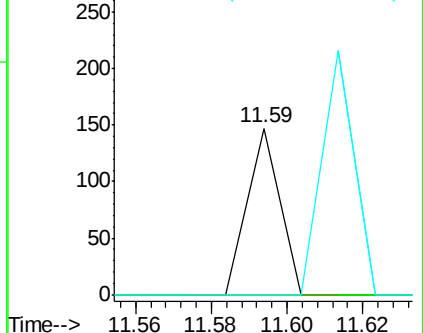
176 147.1 0.0 193.2

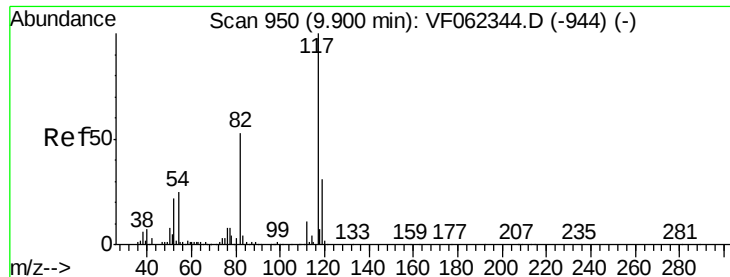


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

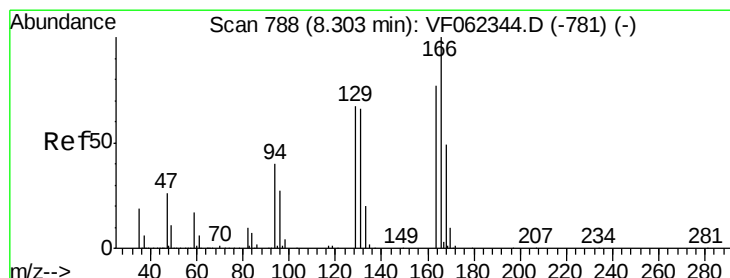
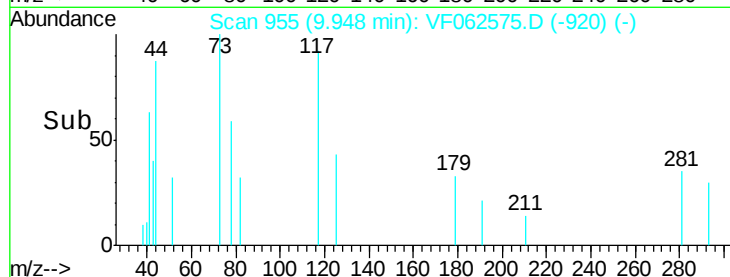
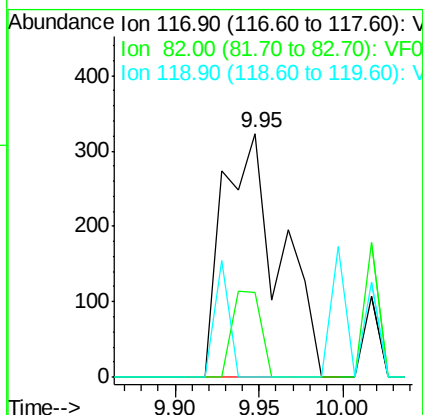
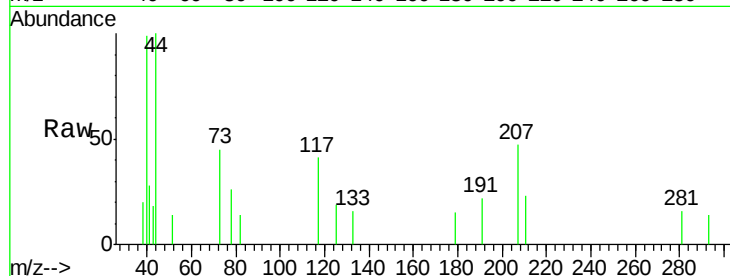




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.95 min Scan# 955
Delta R.T. 0.05 min
Lab File: VF062575.D
Acq: 14 May 2019 8:14

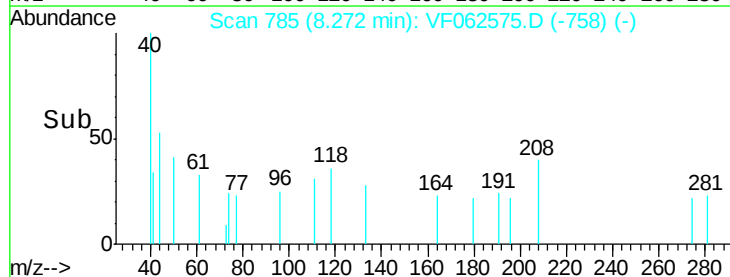
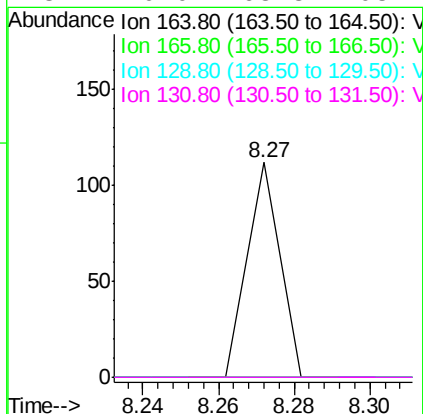
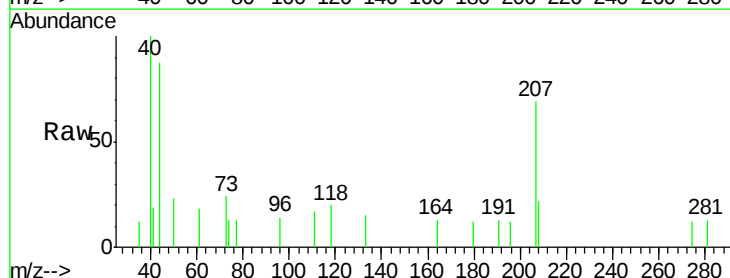
Instrument :
MSVOA_F
ClientSampleId :
P021-SS009-0002-01

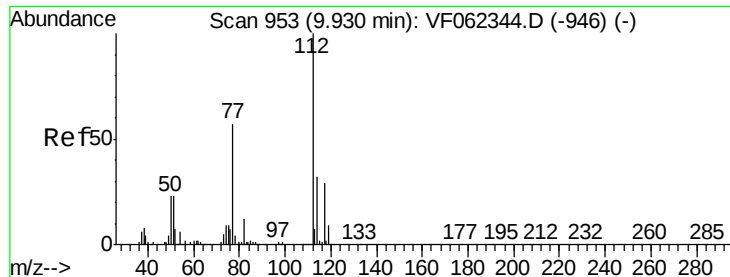
Tot Ion:117 Resp: 751
Ion Ratio Lower Upper
117 100
82 34.7 42.2 63.2#
119 0.0 25.0 37.4#



#64
Tetrachloroethene
Concen: 10.825 ug/l
RT: 8.27 min Scan# 785
Delta R.T. -0.03 min
Lab File: VF062575.D
Acq: 14 May 2019 8:14

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#

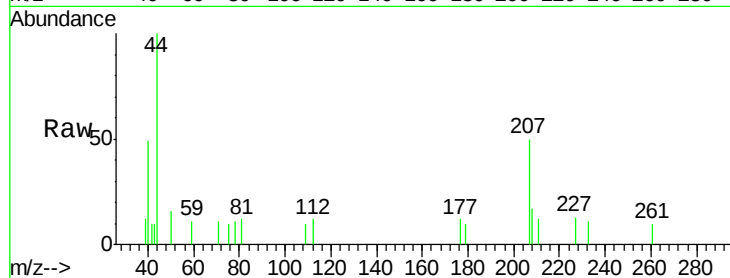




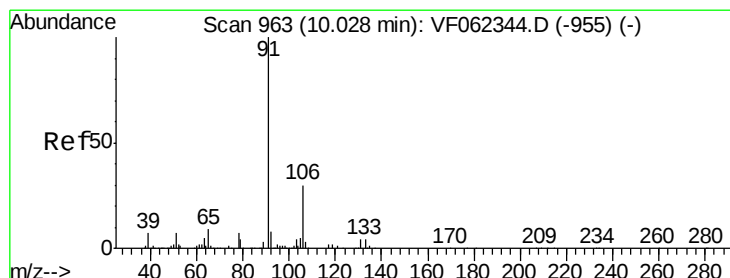
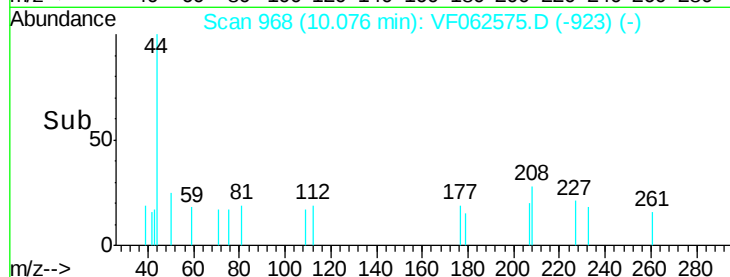
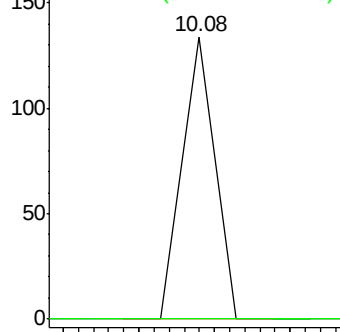
#65
Chlorobenzene
Concen: 6.358 ug/l
RT: 10.08 min Scan# 968
Delta R.T. 0.15 min
Lab File: VF062575.D
Acq: 14 May 2019 8:14

Instrument :
MSVOA_F
ClientSampleId :
P021-SS009-0002-01

Tot Ion:112 Resp: 79
Ion Ratio Lower Upper
112 100
114 0.0 25.4 38.0#

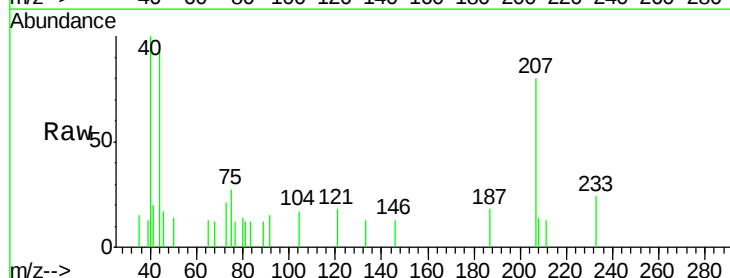


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

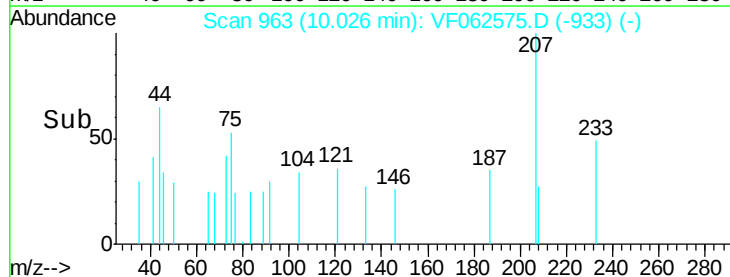
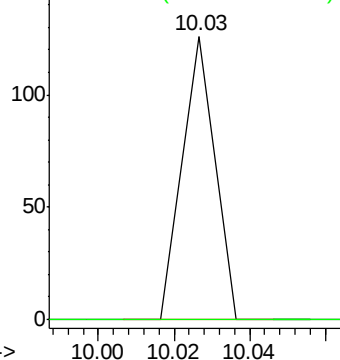


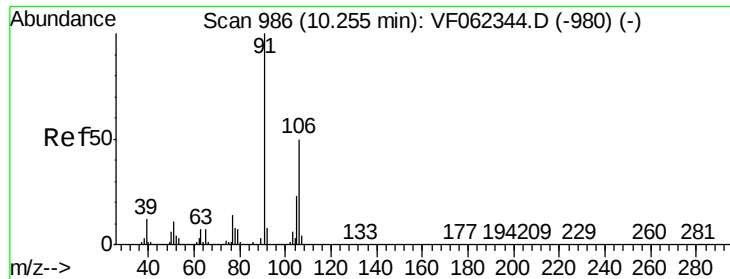
#67
Ethyl Benzene
Concen: 3.447 ug/l
RT: 10.03 min Scan# 963
Delta R.T. -0.00 min
Lab File: VF062575.D
Acq: 14 May 2019 8:14

Tgt Ion: 91 Resp: 75
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: 7.972 ug/l

RT: 10.42 min Scan# 1003

Delta R.T. 0.17 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

Instrument :

MSVOA_F

ClientSampleId :

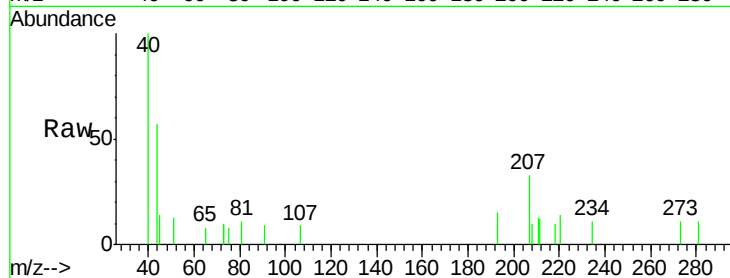
P021-SS009-0002-01

Tot Ion:106 Resp: 64

Ion Ratio Lower Upper

106 100

91 103.1 167.4 251.2#

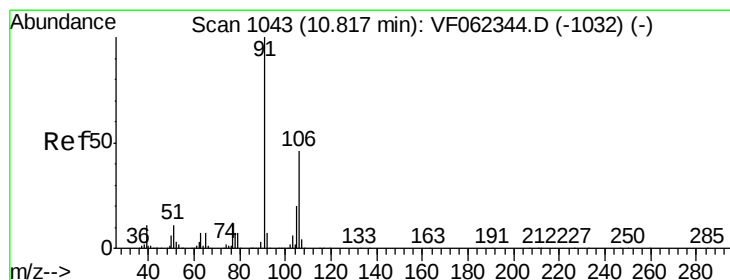
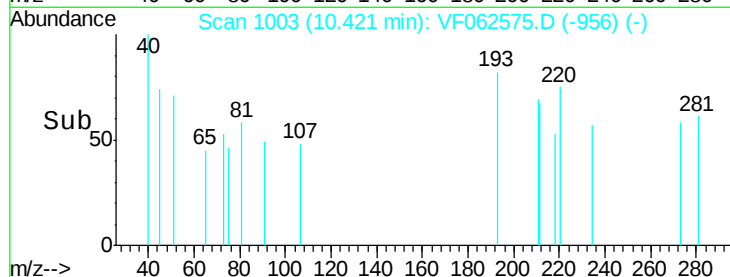


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

10.42

Time-->



#69

o-Xylene

Concen: 9.568 ug/l

RT: 10.83 min Scan# 1045

Delta R.T. 0.02 min

Lab File: VF062575.D

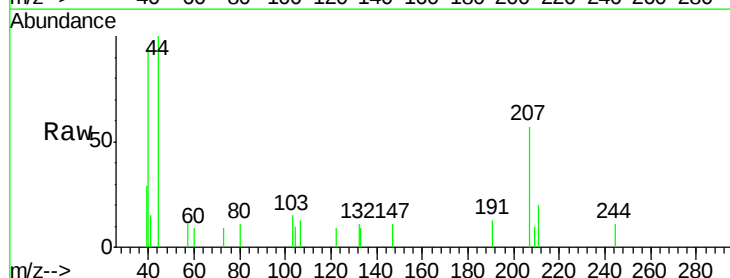
Acq: 14 May 2019 8:14

Tgt Ion:106 Resp: 83

Ion Ratio Lower Upper

106 100

91 0.0 111.3 333.8#

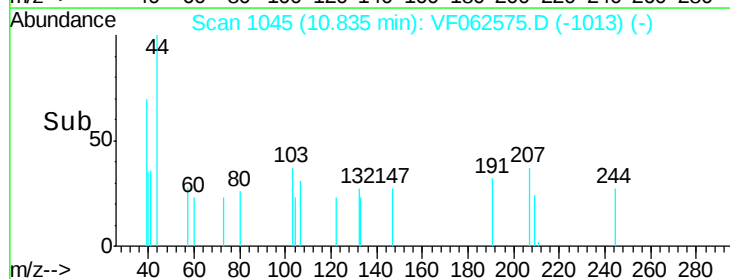


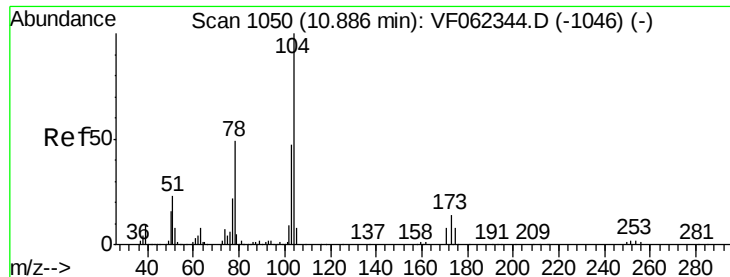
Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

10.83

Time-->





#70

Stvrene

Concen: 4.846 ug/l

RT: 10.83 min Scan# 1045

Delta R.T. -0.05 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

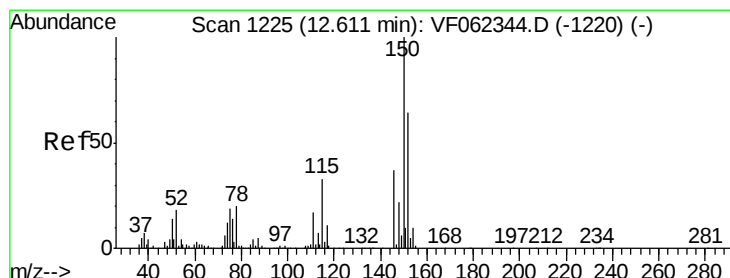
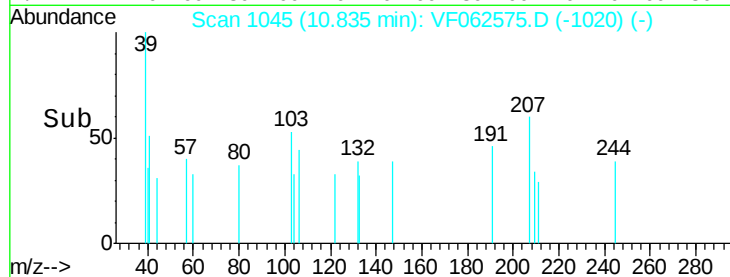
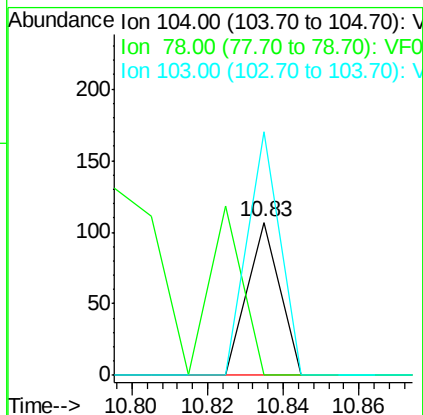
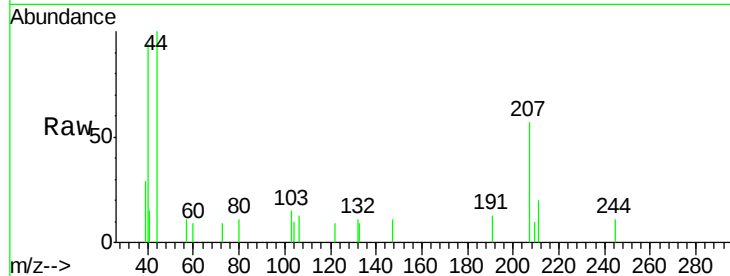
Instrument :

MSVOA_F

ClientSampleId :

P021-SS009-0002-01

Tot Ion:104	Resp:	63
Ion Ratio	Lower	Upper
104	100	
78	0.0	39.5 59.3#
103	160.3	38.4 57.6#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

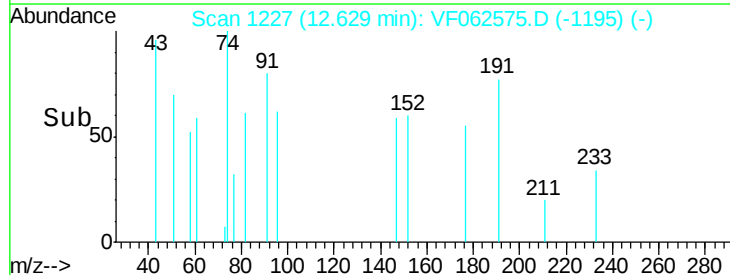
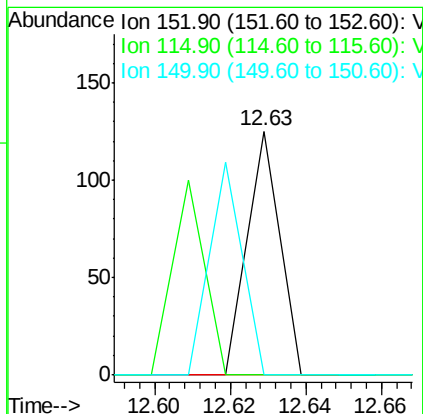
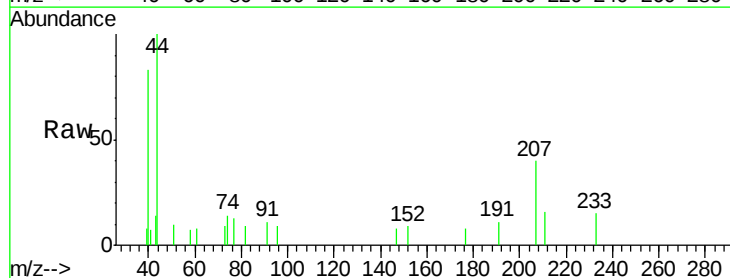
RT: 12.63 min Scan# 1227

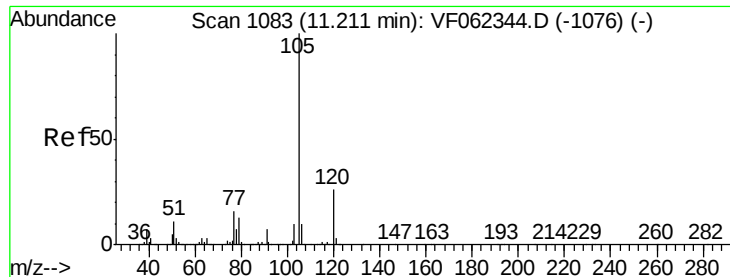
Delta R.T. 0.02 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

Tgt Ion:152	Resp:	74
Ion Ratio	Lower	Upper
152	100	
115	79.7	26.4 79.2#
150	86.5	0.0 335.0





#73

Isopropylbenzene

Concen: 17.552 ug/l

RT: 11.18 min Scan# 1080

Delta R.T. -0.03 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

Instrument :

MSVOA_F

ClientSampleId :

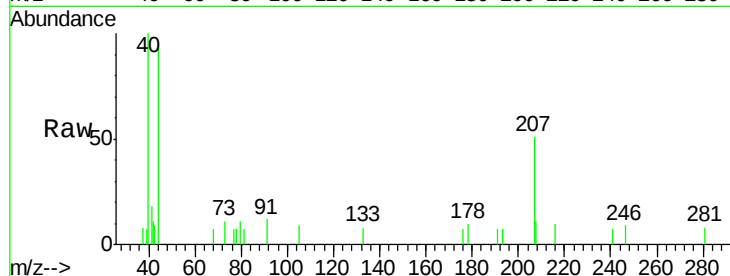
P021-SS009-0002-01

Tot Ion: 105 Resp: 77

Ion Ratio Lower Upper

105 100

120 103.9 12.7 38.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

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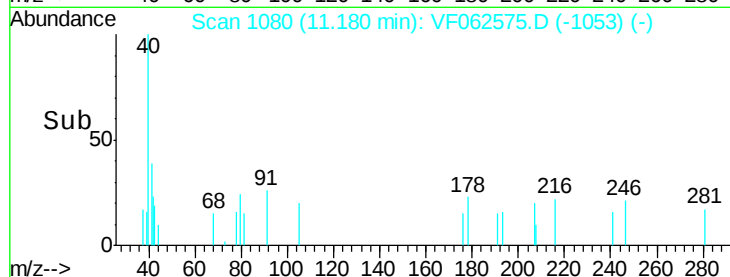
11.18

11.18

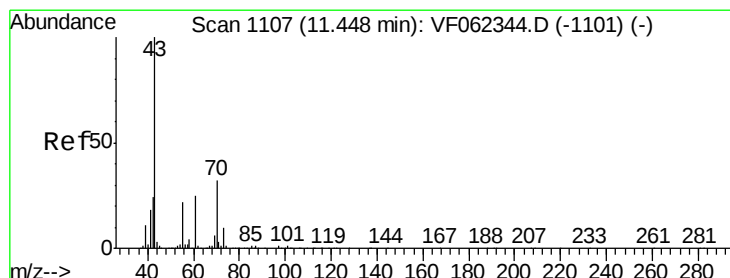
11.18

11.18

11.18



Time-->



#74

N-ethyl acetate

Concen: 175.191 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

Tgt Ion: 43 Resp: 165

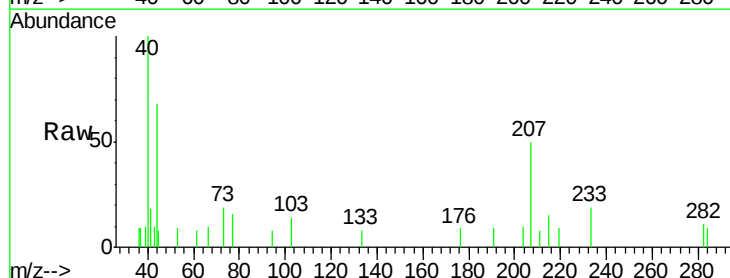
Ion Ratio Lower Upper

43 100

70 0.0 26.5 39.7#

55 0.0 17.8 26.6#

61 37.0 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

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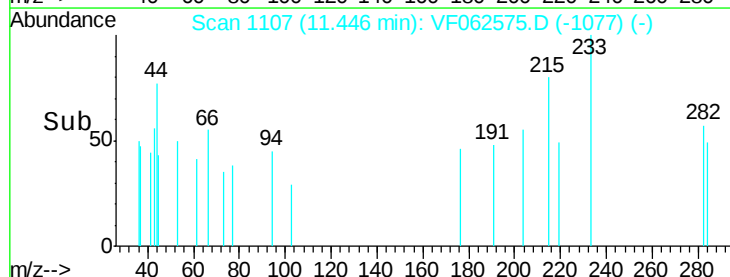
11.45

11.45

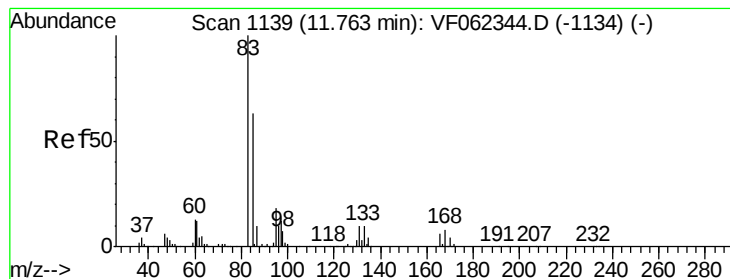
11.45

11.45

11.45



Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 98.996 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.02 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

Instrument :

MSVOA_F

ClientSampleId :

P021-SS009-0002-01

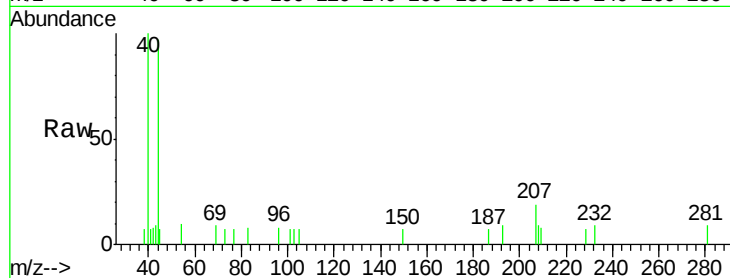
Tot Ion: 83 Resp: 68

Ion Ratio Lower Upper

83 100

131 0.0 5.8 17.4#

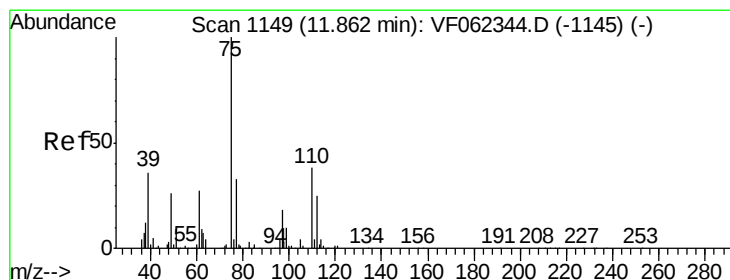
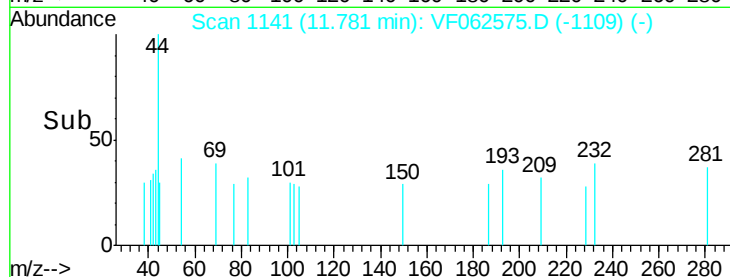
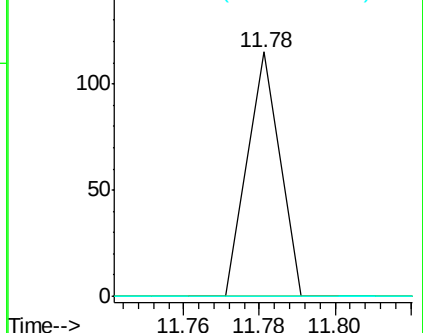
85 0.0 35.3 105.7#



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): VF0

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 240.431 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.04 min

Lab File: VF062575.D

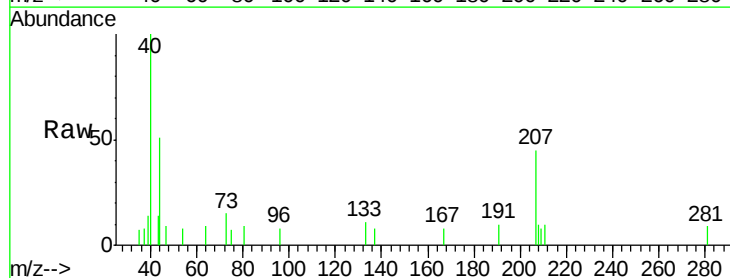
Acq: 14 May 2019 8:14

Tgt Ion: 75 Resp: 126

Ion Ratio Lower Upper

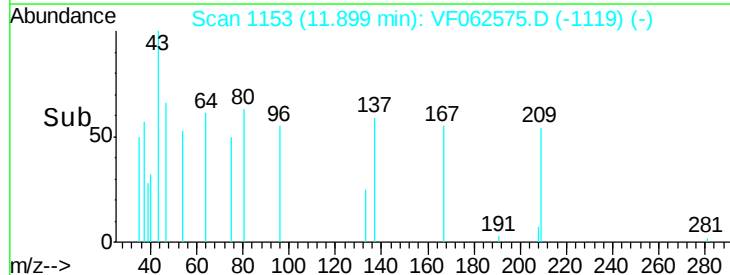
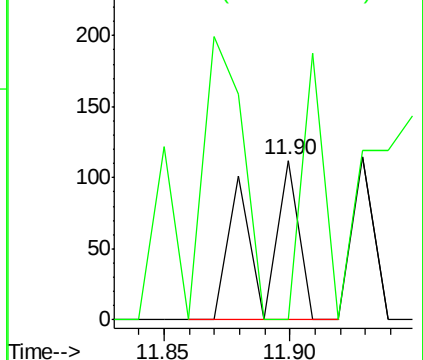
75 100

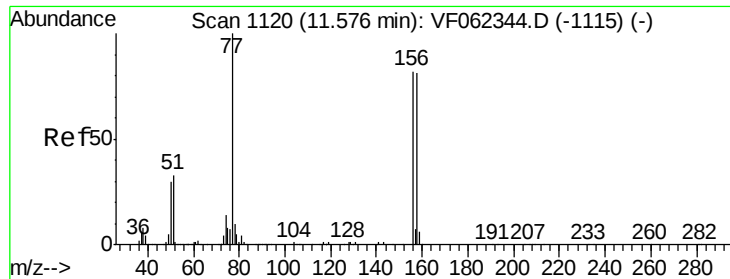
77 88.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 54.718 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. -0.09 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

Instrument :

MSVOA_F

ClientSampleId :

P021-SS009-0002-01

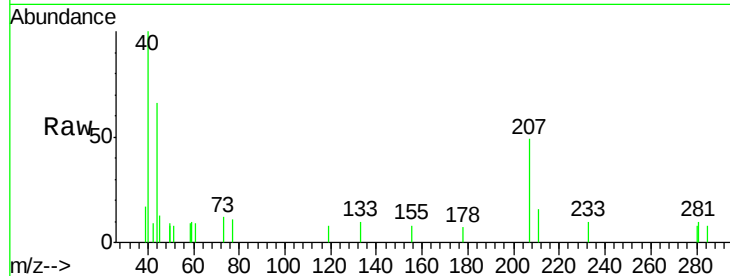
Tot Ion:156 Resp: 63

Ion Ratio Lower Upper

156 100

77 479.4 64.8 194.3#

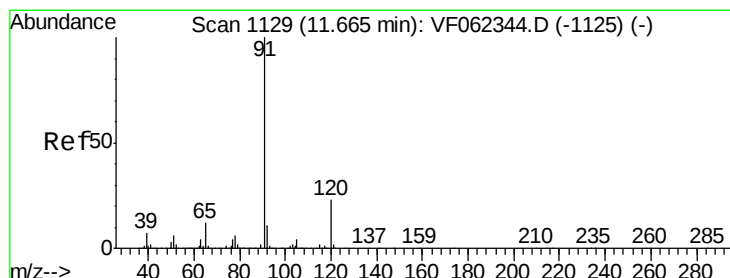
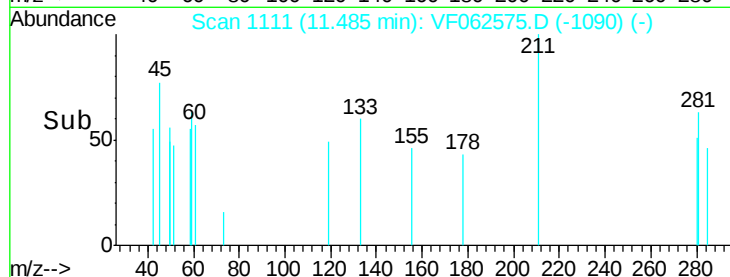
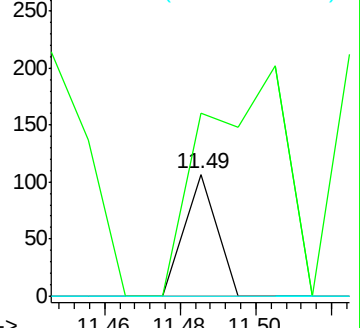
158 0.0 49.1 147.3#



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



#78

n-propylbenzene

Concen: 14.773 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.07 min

Lab File: VF062575.D

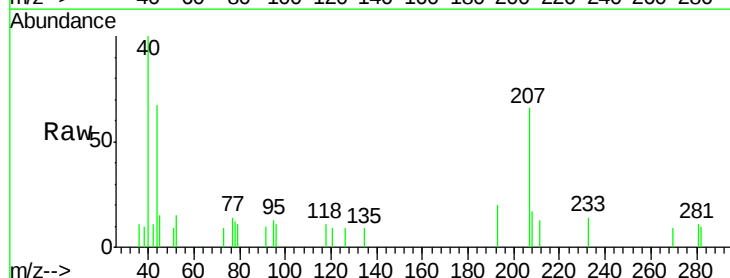
Acq: 14 May 2019 8:14

Tgt Ion: 91 Resp: 69

Ion Ratio Lower Upper

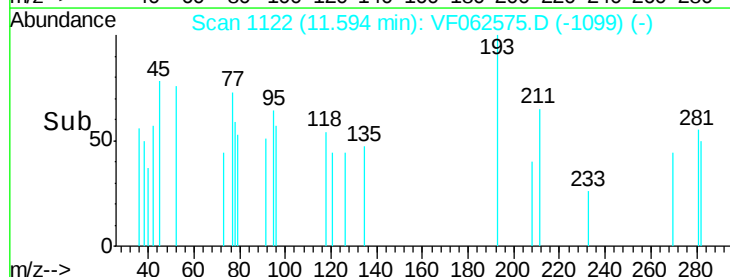
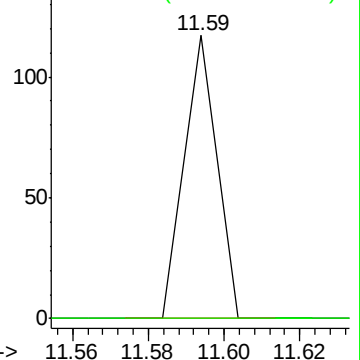
91 100

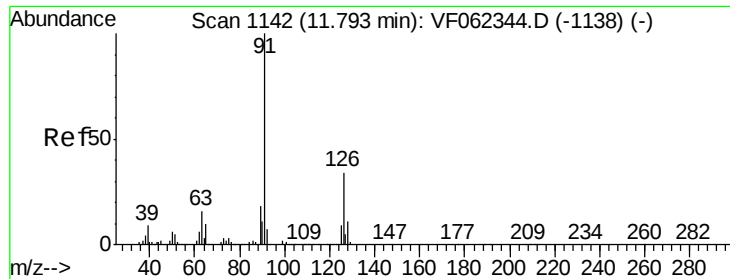
120 0.0 11.9 35.5#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

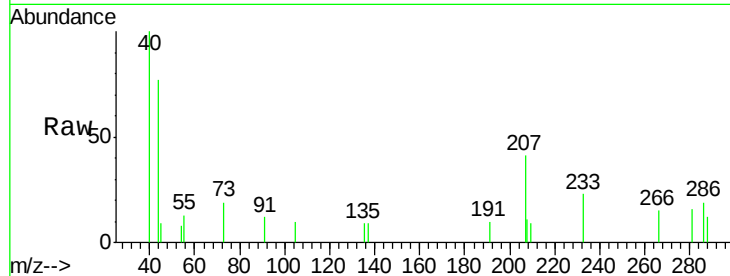




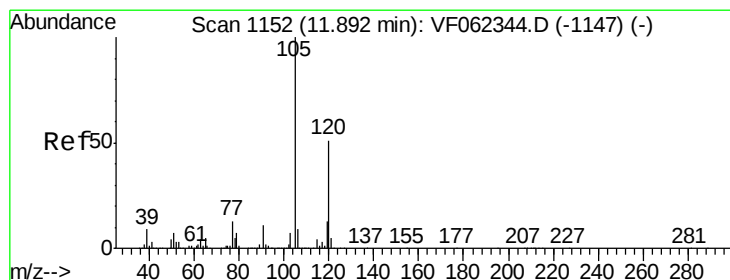
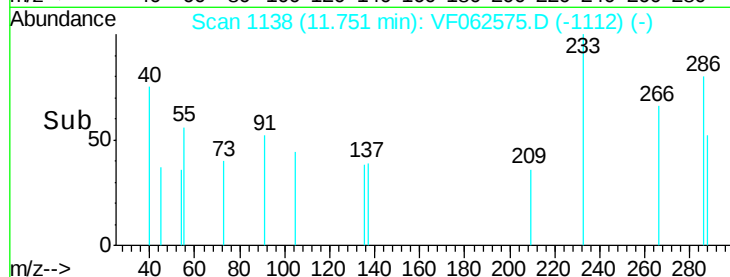
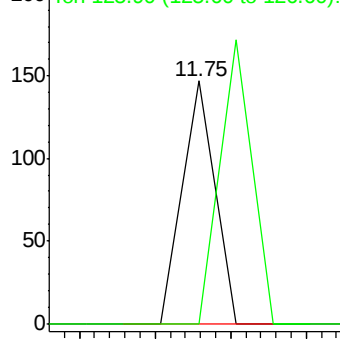
#79
2-Chlorotoluene
Concen: 29.956 ug/l
RT: 11.75 min Scan# 1138
Delta R.T. -0.04 min
Lab File: VF062575.D
Acq: 14 May 2019 8:14

Instrument :
MSVOA_F
ClientSampleId :
P021-SS009-0002-01

Tot Ion: 91 Resp: 87
Ion Ratio Lower Upper
91 100
126 117.2 17.8 53.4#

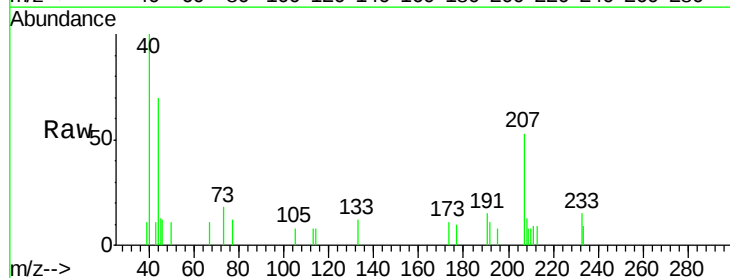


Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 125.90 (125.60 to 126.60): V

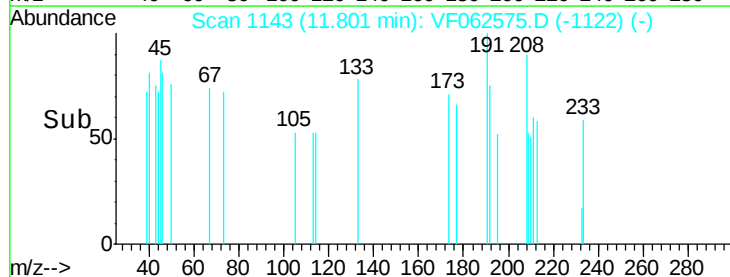
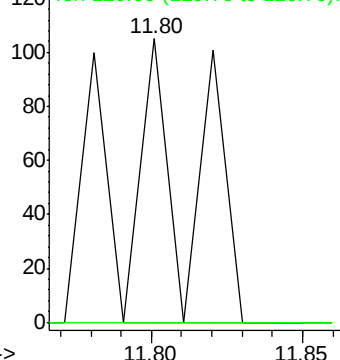


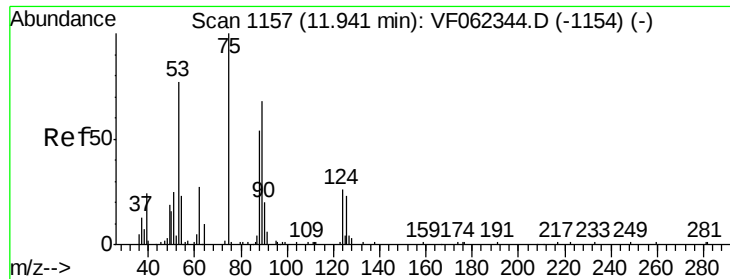
#80
1,3,5-Trimethylbenzene
Concen: 31.728 ug/l
RT: 11.80 min Scan# 1143
Delta R.T. -0.09 min
Lab File: VF062575.D
Acq: 14 May 2019 8:14

Tgt Ion:105 Resp: 122
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





#81

trans-1,4-Dichloro-2-butene

Concen: 345.201 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. -0.01 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

Instrument :

MSVOA_F

ClientSampleId :

P021-SS009-0002-01

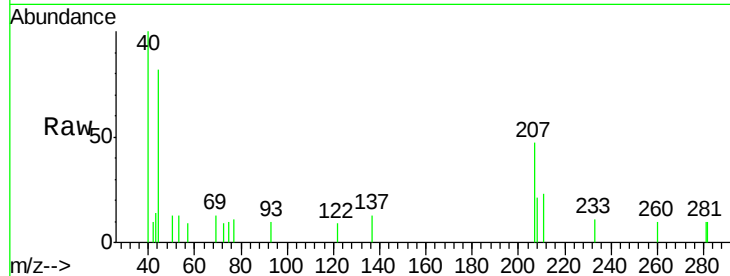
Tot Ion: 75 Resp: 68

Ion Ratio Lower Upper

75 100

53 291.2 71.9 107.9#

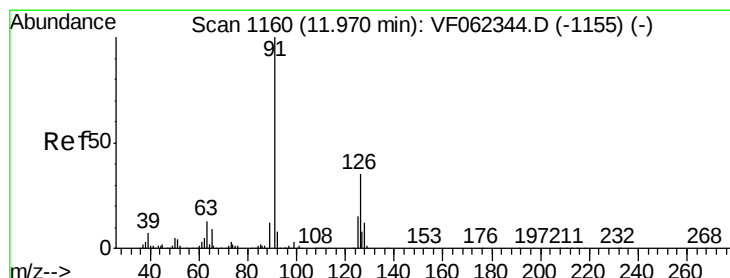
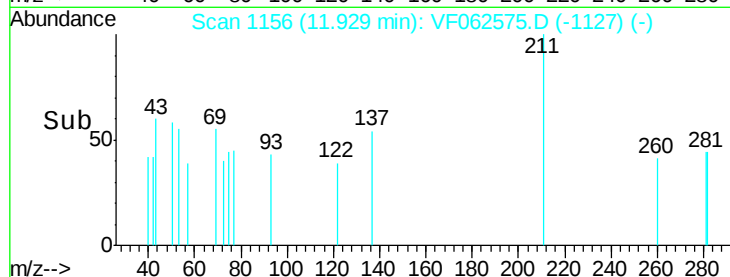
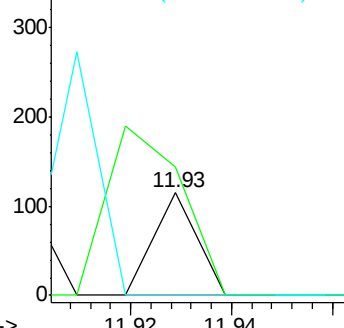
89 236.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0



#82

4-Chlorotoluene

Concen: 24.055 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VF062575.D

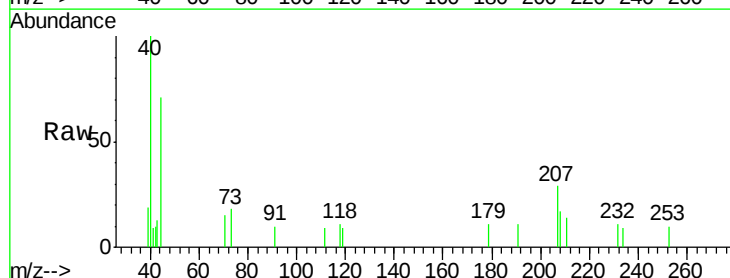
Acq: 14 May 2019 8:14

Tgt Ion: 91 Resp: 69

Ion Ratio Lower Upper

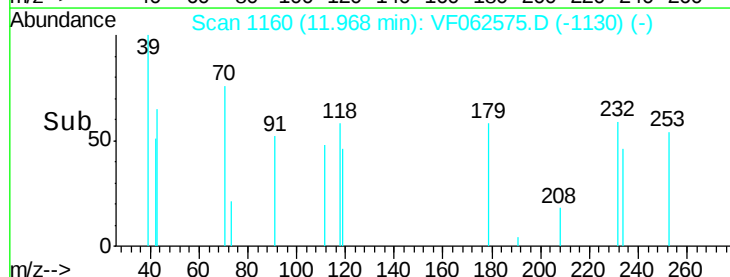
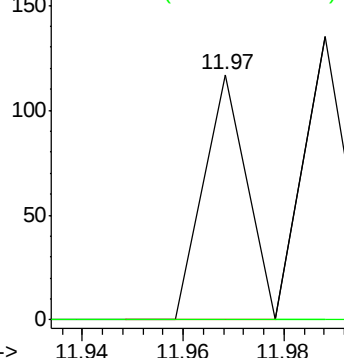
91 100

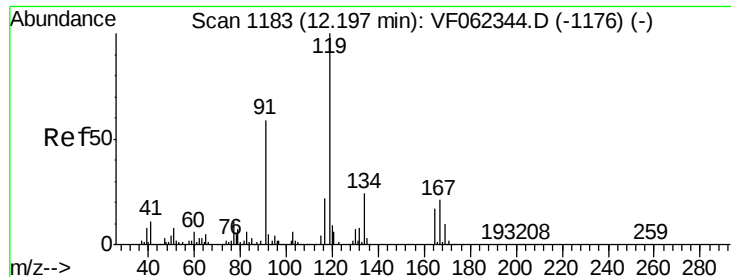
126 0.0 17.7 53.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 17.322 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. 0.02 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

Instrument :

MSVOA_F

ClientSampleId :

P021-SS009-0002-01

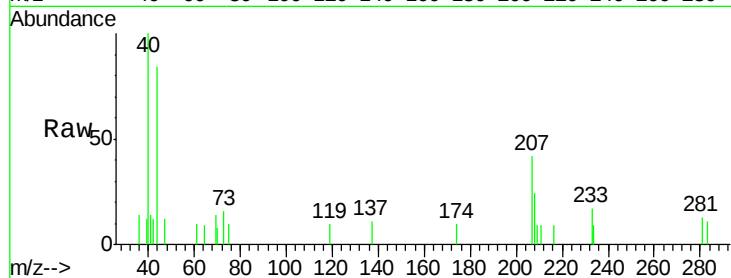
Tot Ion:119 Resp: 70

Ion Ratio Lower Upper

119 100

91 0.0 30.4 91.3#

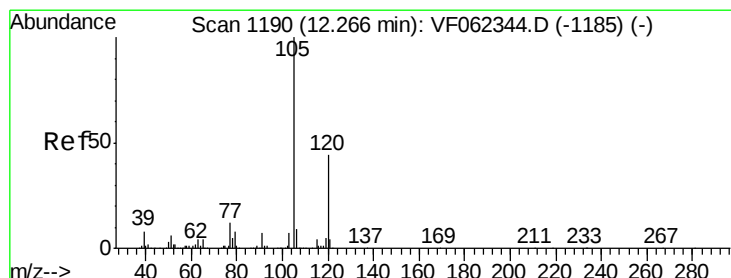
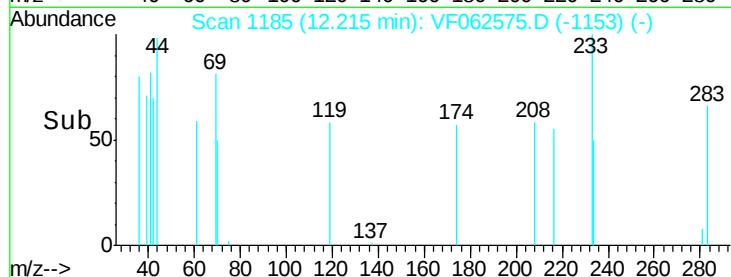
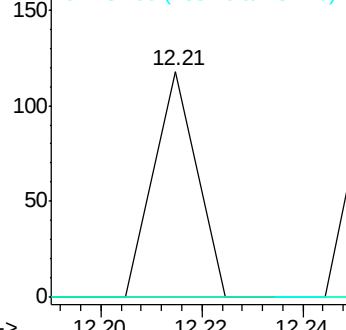
134 0.0 11.9 35.7#



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: 18.337 ug/l

RT: 12.20 min Scan# 1184

Delta R.T. -0.06 min

Lab File: VF062575.D

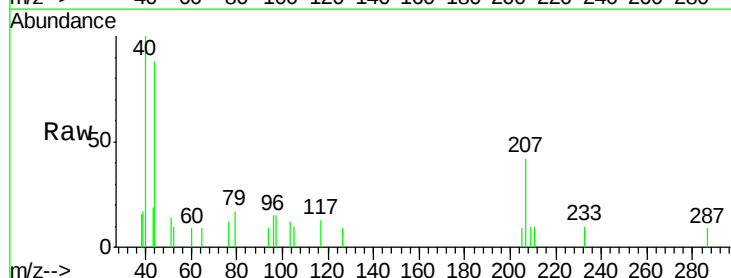
Acq: 14 May 2019 8:14

Tgt Ion:105 Resp: 69

Ion Ratio Lower Upper

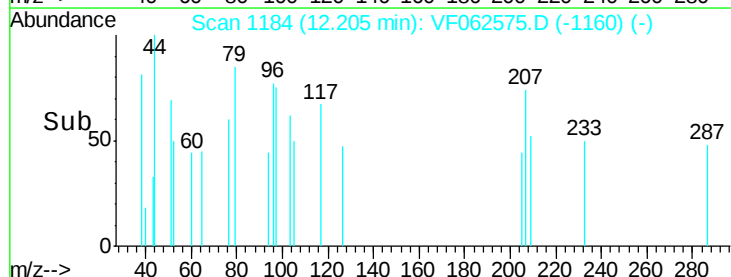
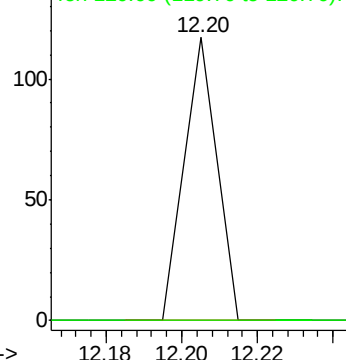
105 100

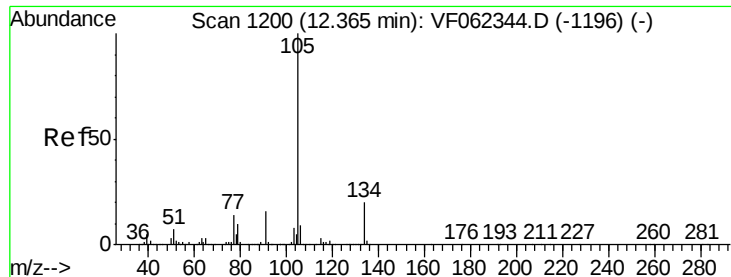
120 0.0 22.6 67.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 11.995 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.16 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

Instrument :

MSVOA_F

ClientSampleId :

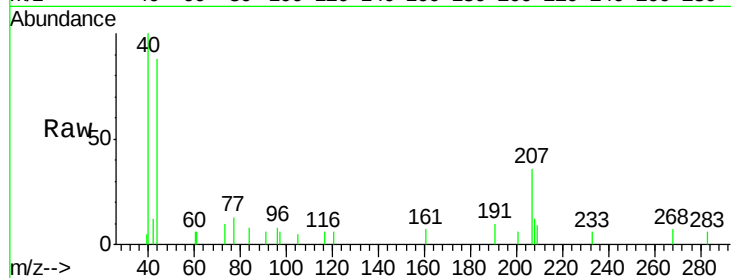
P021-SS009-0002-01

Tot Ion:105 Resp: 59

Ion Ratio Lower Upper

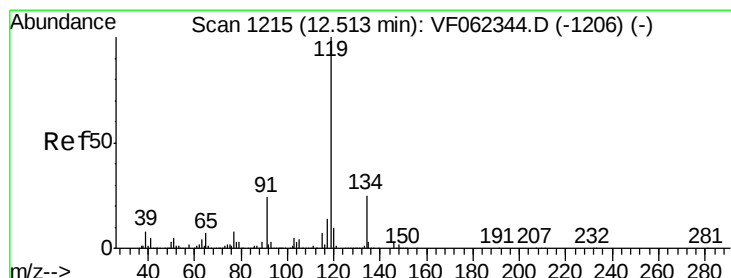
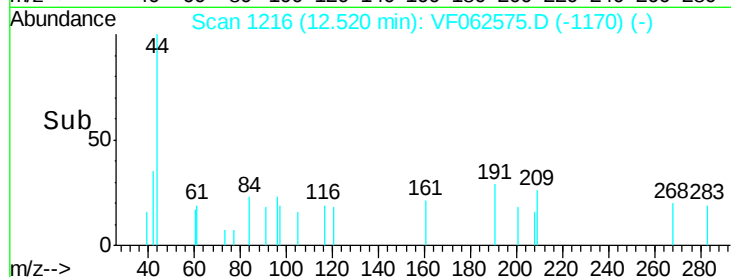
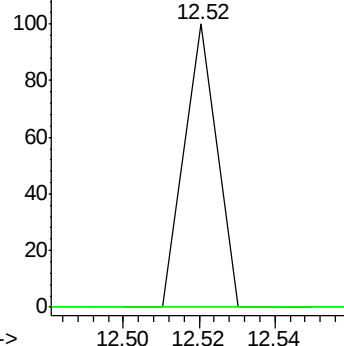
105 100

134 0.0 9.8 29.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 16.849 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.00 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

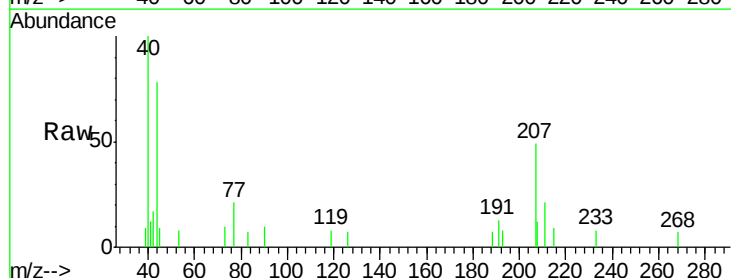
Tgt Ion:119 Resp: 77

Ion Ratio Lower Upper

119 100

134 0.0 12.9 38.7#

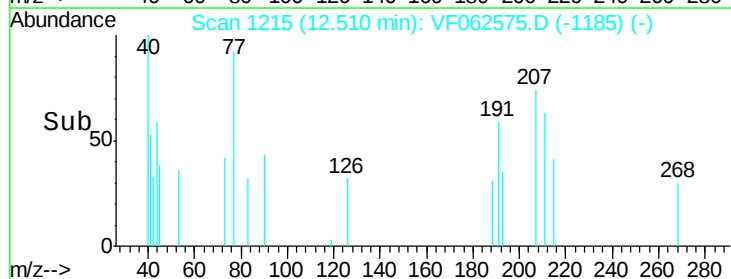
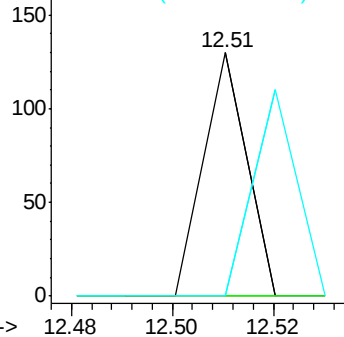
91 84.4 12.3 36.8#

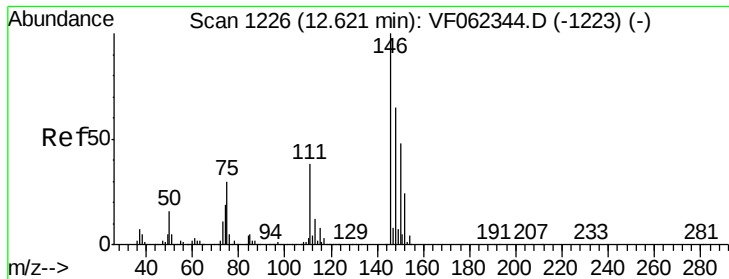


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#88

1,4-Dichlorobenzene

Concen: 30.549 ug/l

RT: 12.82 min Scan# 1246

Delta R.T. 0.20 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

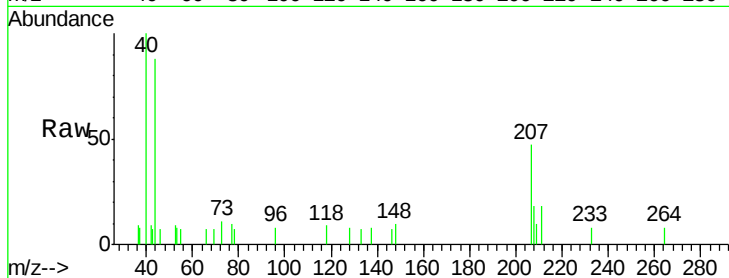
Instrument :

MSVOA_F

ClientSampleId :

P021-SS009-0002-01

Tot Ion:	146	Resp:	62
Ion	Ratio	Lower	Upper
146	100		
111	0.0	18.8	56.3#
148	151.6	32.2	96.6#



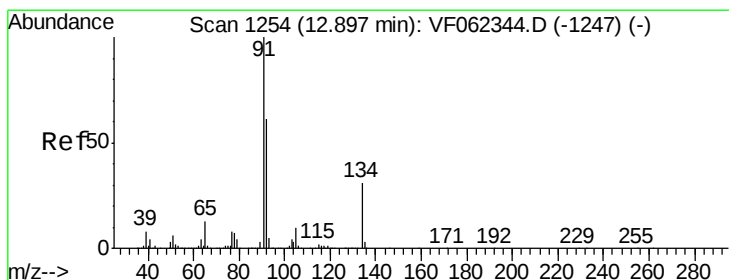
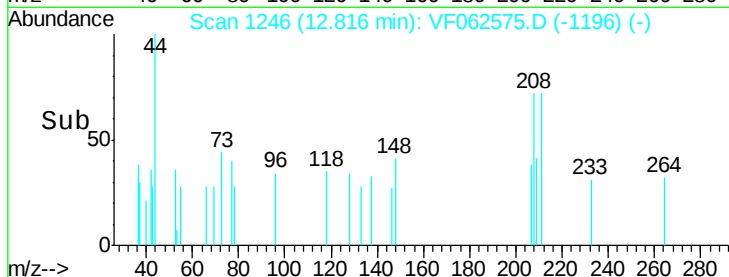
Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

12.82

12.78 12.80 12.82 12.84



#89

n-Butylbenzene

Concen: 17.217 ug/l

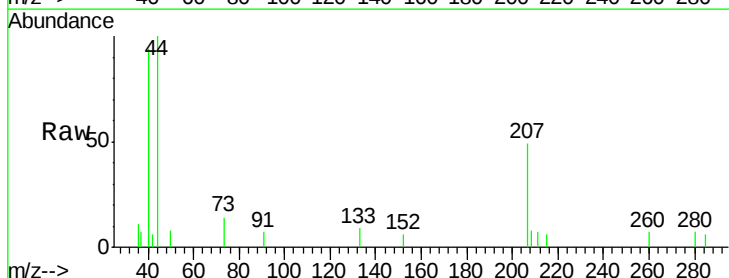
RT: 13.02 min Scan# 1267

Delta R.T. 0.13 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

Tgt Ion:	91	Resp:	70
Ion	Ratio	Lower	Upper
91	100		
92	0.0	30.0	90.0#
134	0.0	14.1	42.4#



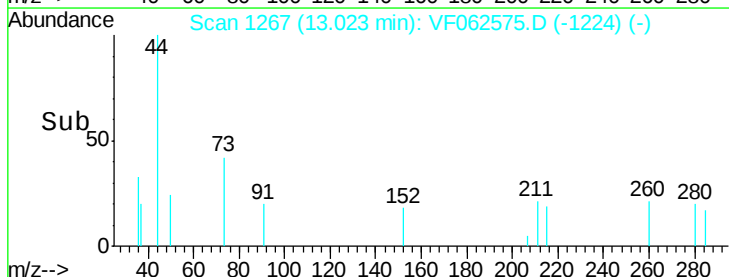
Abundance Ion 91.00 (90.70 to 91.70): VF0

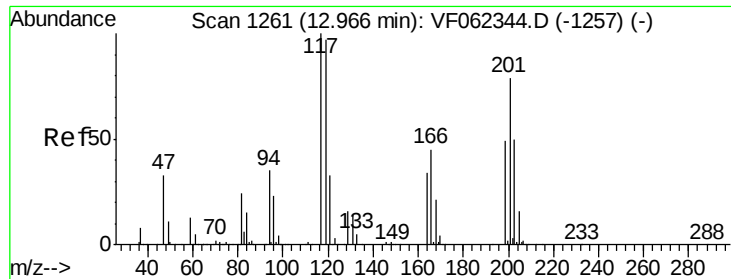
Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V

13.02

13.00 13.02 13.04





#90

Hexachloroethane

Concen: 66.605 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. 0.05 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

Instrument :

MSVOA_F

ClientSampleId :

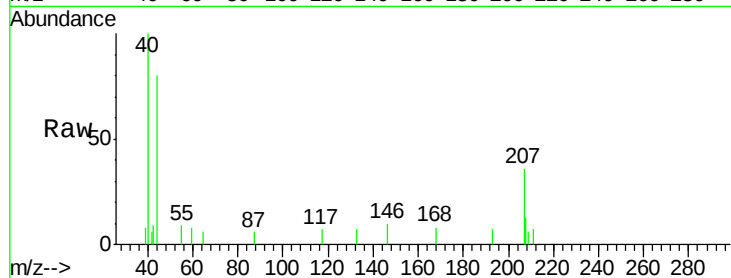
P021-SS009-0002-01

Tot Ion:117 Resp: 76

Ion Ratio Lower Upper

117 100

201 94.7 46.2 138.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

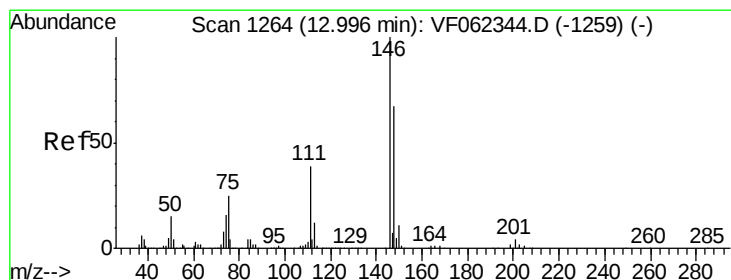
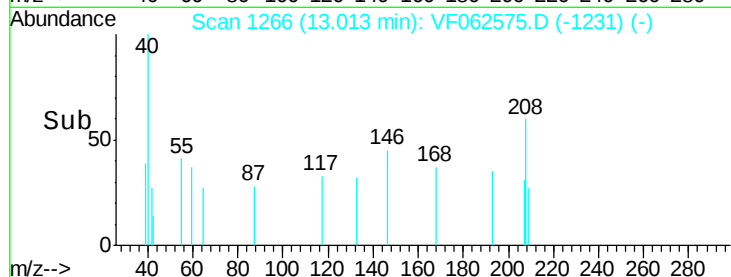
13.01

100

50

0

Time-->



#91

1,2-Dichlorobenzene

Concen: 51.098 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. 0.02 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

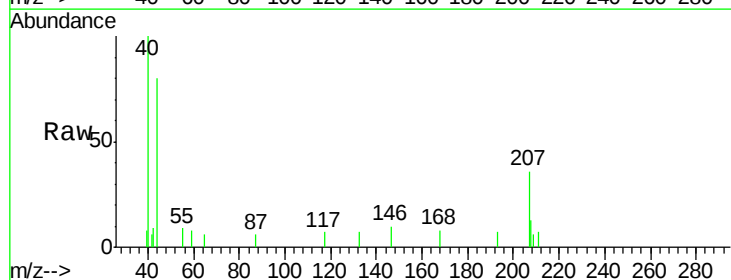
Tgt Ion:146 Resp: 104

Ion Ratio Lower Upper

146 100

111 0.0 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

200

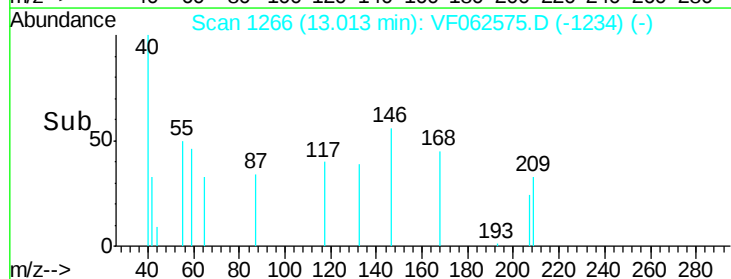
150

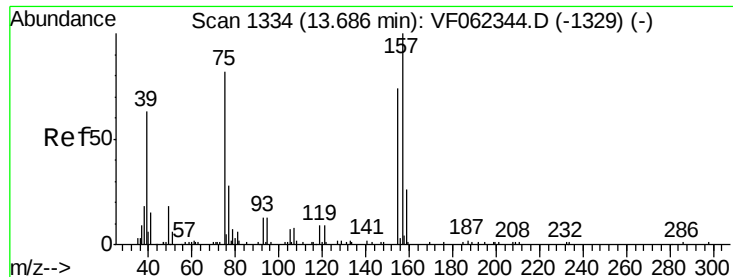
100

50

0

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 1059.226 ug/l

RT: 13.61 min Scan# 1327

Delta R.T. -0.07 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

Instrument :

MSVOA_F

ClientSampleId :

P021-SS009-0002-01

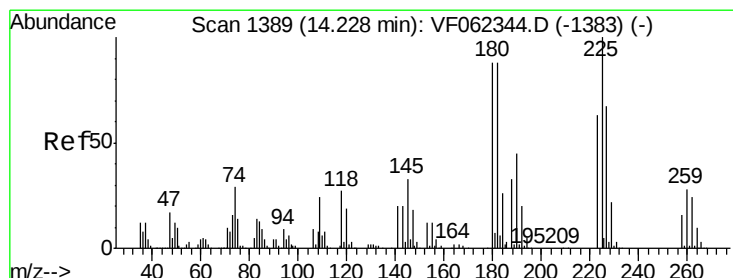
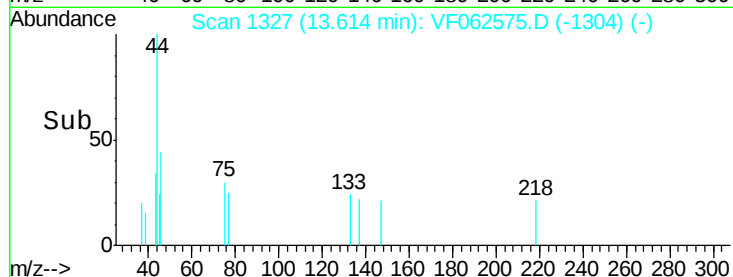
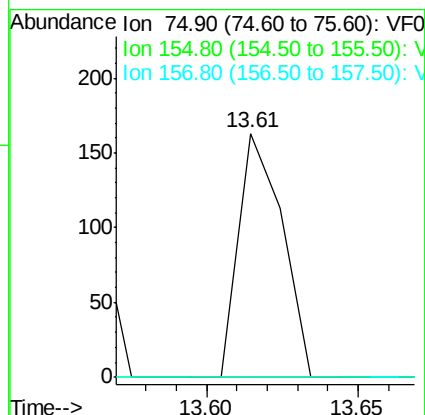
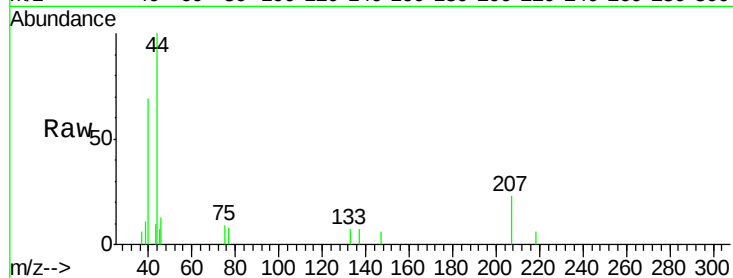
Tot Ion: 75 Resp: 163

Ion Ratio Lower Upper

75 100

155 0.0 51.8 155.4#

157 0.0 67.3 201.8#



#94

Hexachlorobutadiene

Concen: 61.735 ug/l

RT: 14.22 min Scan# 1388

Delta R.T. -0.01 min

Lab File: VF062575.D

Acq: 14 May 2019 8:14

Tgt Ion: 225 Resp: 84

Ion Ratio Lower Upper

225 100

223 0.0 31.9 95.5#

227 0.0 33.1 99.5#

