

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051019\
 Data File : VF062427.D
 Acq On : 10 May 2019 16:59
 Operator : FY/SY
 Sample : K2645-03RE
 Misc : 6.71g/5mL/MSVOA F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 PL-02-050719-BRE

Quant Time: May 10 17:20:47 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	5.06	168	35086	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	27978	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	13478	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	3139	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	5270	15.89	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	31.78%	
35) Dibromofluoromethane	4.31	113	8266	37.08	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	74.16%	
50) Toluene-d8	7.71	98	24359	45.15	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.30%	
62) 4-Bromofluorobenzene	11.49	95	4945	20.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	40.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.45	94	210	Below Cal	#	3
11) Tert butyl alcohol	2.69	59	87	4.643	ug/l #	70
13) Acrolein	2.05	56	137	Below Cal	#	13
14) Allyl chloride	2.22	41	587	2.470	ug/l #	85
15) Acrylonitrile	3.07	53	88	2.479	ug/l #	1
16) Acetone	2.34	43	1886	28.118	ug/l #	81
18) Methyl Acetate	2.51	43	3307	25.500	ug/l #	71
19) Methyl tert-butyl Ether	2.55	73	607	1.093	ug/l #	61
20) Methylene Chloride	2.31	84	724	2.983	ug/l #	39
21) trans-1,2-Dichloroethene	2.44	96	360	1.405	ug/l #	1
23) Vinyl Acetate	3.36	43	351	1.060	ug/l #	79
25) 2-Butanone	4.53	43	730	8.663	ug/l #	60
26) 2,2-Dichloropropane	3.67	77	268	1.069	ug/l	84
29) Tetrahydrofuran	4.28	42	67	1.730	ug/l #	21
37) Ethyl Acetate	4.36	43	412	Below Cal	#	85
38) Carbon Tetrachloride	4.17	117	66	Below Cal	#	14
41) Methacrylonitrile	4.92	41	314	5.449	ug/l #	41
43) Isopropyl Acetate	7.14	43	495	4.528	ug/l #	88
48) Methyl methacrylate	6.88	41	225	2.912	ug/l #	1
49) 1,4-Dioxane	6.91	88	60	63.274	ug/l #	1
51) 4-Methyl-2-Pentanone	8.40	43	173	2.088	ug/l #	40
58) 2-Chloroethyl Vinyl ether	7.32	63	95	2.888	ug/l #	42
59) 2-Hexanone	9.60	43	468	8.169	ug/l #	28
70) Styrene	10.88	104	290	1.243	ug/l #	53
71) Bromoform	10.88	173	138	2.239	ug/l #	29
73) Isopropylbenzene	11.23	105	348	1.870	ug/l #	50
74) N-amyl acetate	11.43	43	209	5.231	ug/l #	38
75) 1,1,2,2-Tetrachloroethane	11.75	83	90	3.089	ug/l #	22
76) 1,2,3-Trichloropropane	11.88	75	138	6.208	ug/l #	100
81) trans-1,4-Dichloro-2-buten	11.98	75	62	7.420	ug/l #	17
83) tert-Butylbenzene	12.19	119	178	1.038	ug/l #	35
90) Hexachloroethane	12.99	117	60	1.240	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	13.68	75	80	12.256	ug/l #	1

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Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

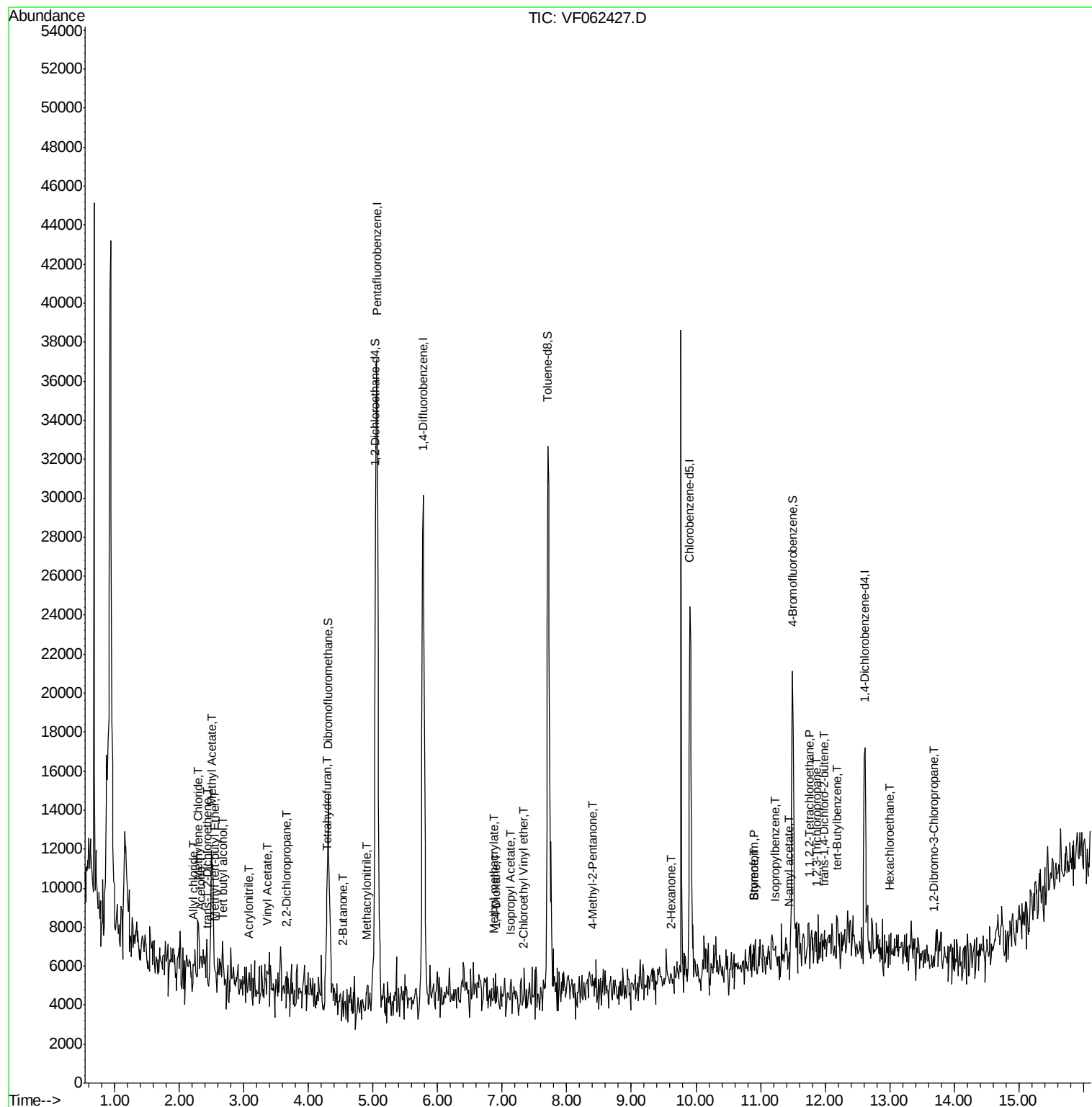
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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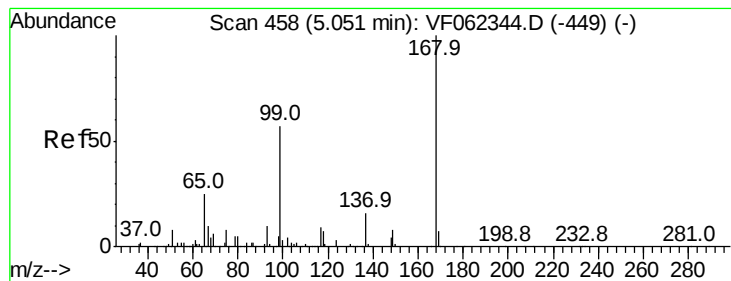
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.01 min

Lab File: VF062427.D

Acq: 10 May 2019 16:59

Instrument :

MSVOA_F

ClientSampleId :

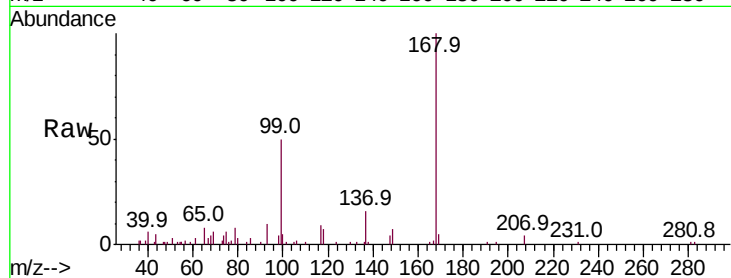
PL-02-050719-BRE

Tot Ion:168 Resp: 35086

Ion Ratio Lower Upper

168 100

99 50.0 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

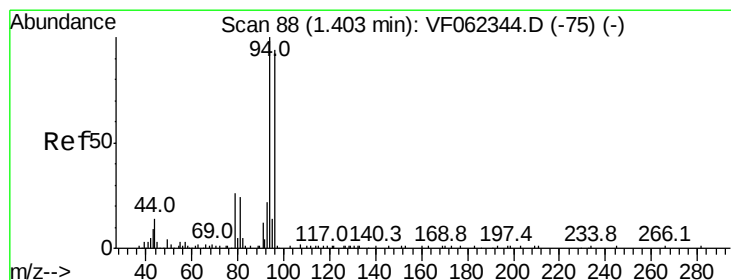
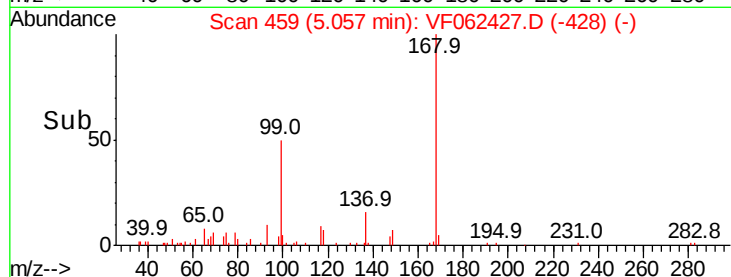
5.06

10000

5000

0

Time--> 4.90 5.00 5.10 5.20



#5

Bromomethane

Concen: Below Cal

RT: 1.45 min Scan# 93

Delta R.T. 0.05 min

Lab File: VF062427.D

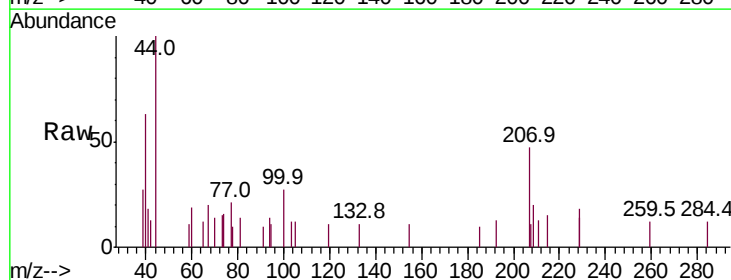
Acq: 10 May 2019 16:59

Tgt Ion: 94 Resp: 210

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

1.45

250

200

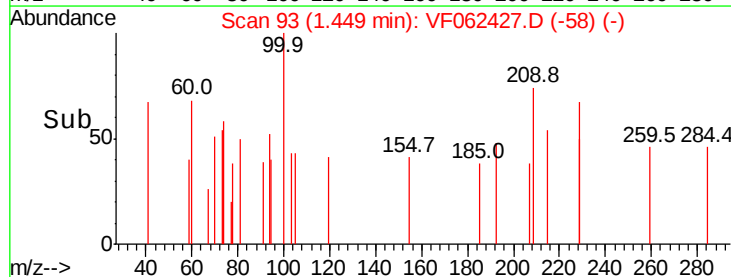
150

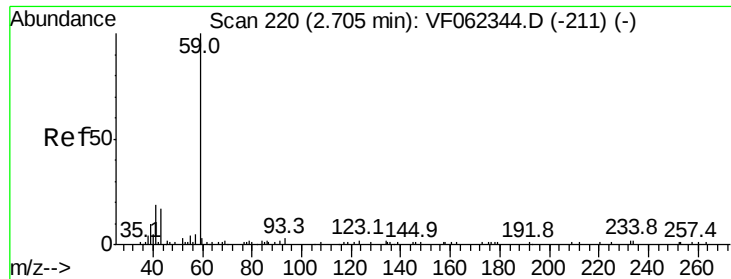
100

50

0

Time--> 1.40 1.42 1.44 1.46 1.48



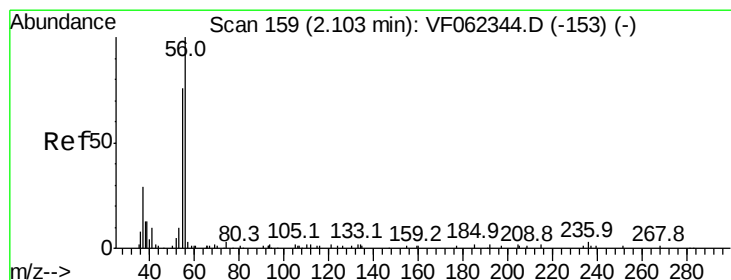
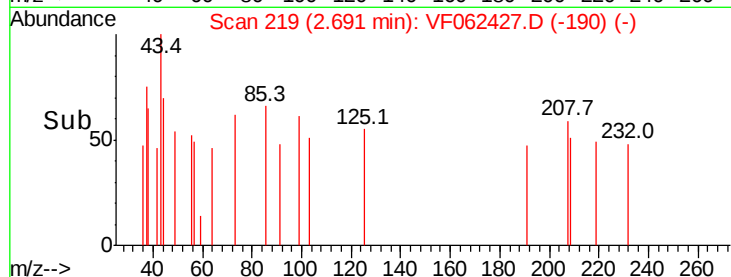
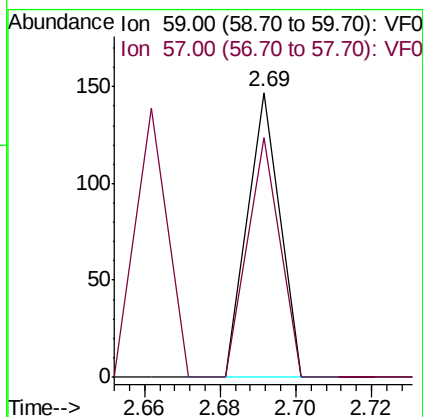
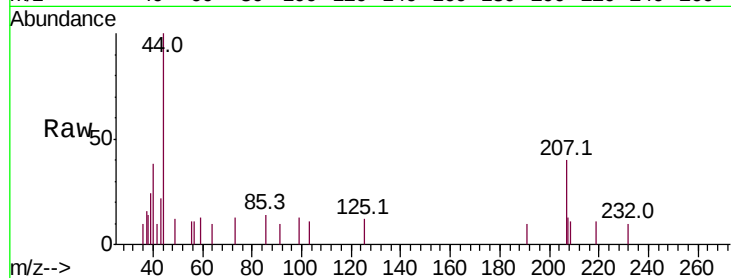


#11

Tert butyl alcohol
 Concen: 4.643 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VF062427.D
 Acq: 10 May 2019 16:59

Instrument :
 MSVOA_F
 ClientSampleId :
 PL-02-050719-BRE

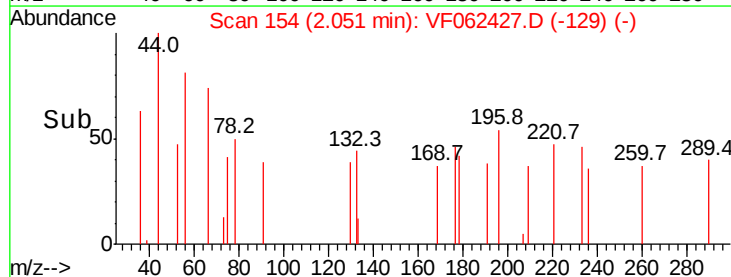
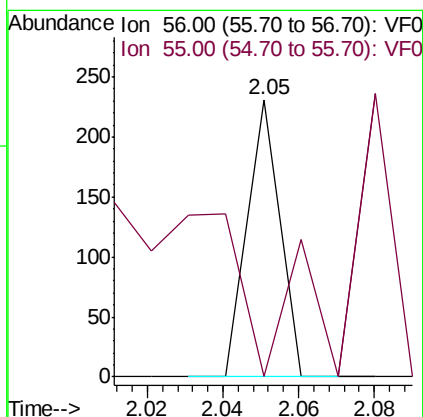
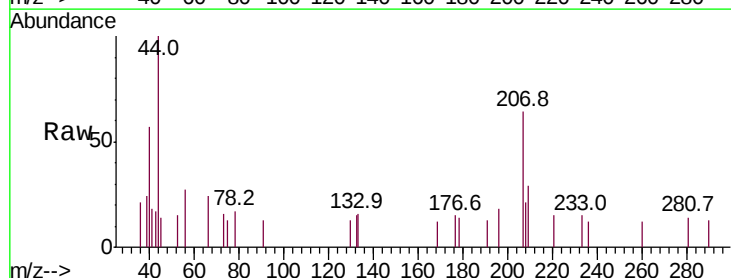
Tot Ion: 59 Resp: 87
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.3 13.9#

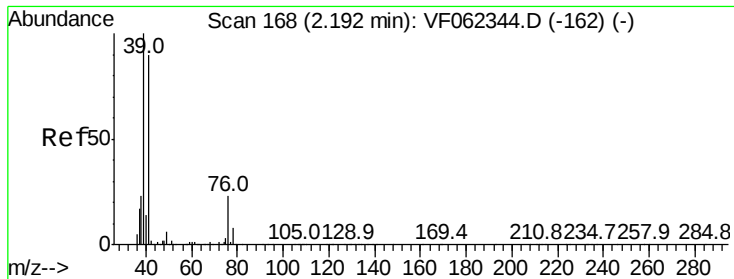


#13

Acrolein
 Concen: Below Cal
 RT: 2.05 min Scan# 154
 Delta R.T. -0.05 min
 Lab File: VF062427.D
 Acq: 10 May 2019 16:59

Tgt Ion: 56 Resp: 137
 Ion Ratio Lower Upper
 56 100
 55 0.0 58.4 87.6#





#14

Allvl chloride

Concen: 2.470 ug/l

RT: 2.22 min Scan# 171

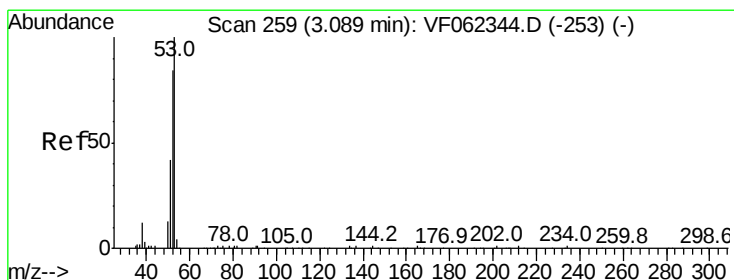
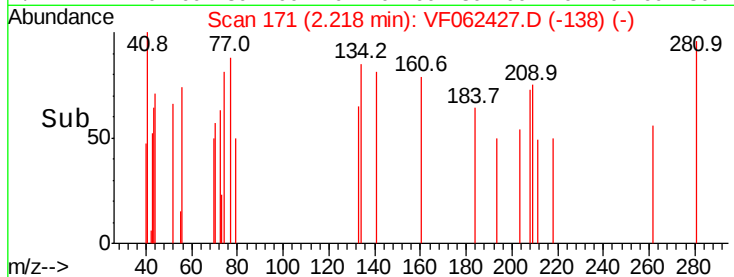
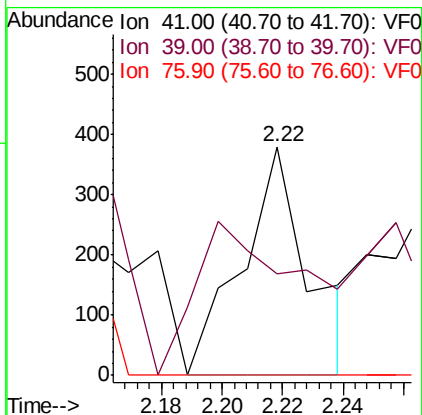
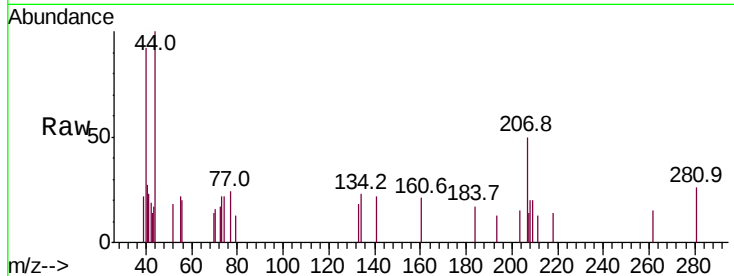
Delta R.T. 0.03 min

Lab File: VF062427.D

Acq: 10 May 2019 16:59

Instrument :
MSVOA_F
ClientSampleId :
PL-02-050719-BRE

Tot Ion:	41	Resp:	587
Ion	Ratio	Lower	Upper
41	100		
39	107.2	90.8	136.2
76	0.0	22.2	33.4#



#15

Acrylonitrile

Concen: 2.479 ug/l

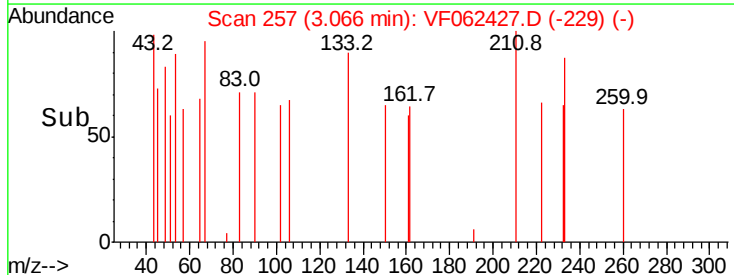
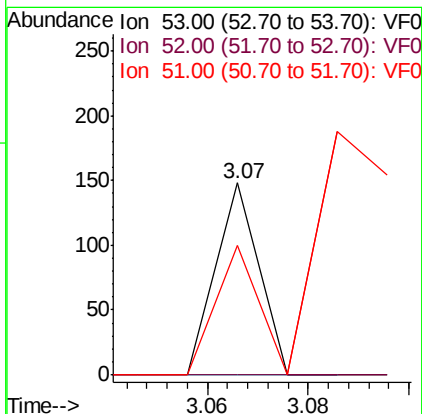
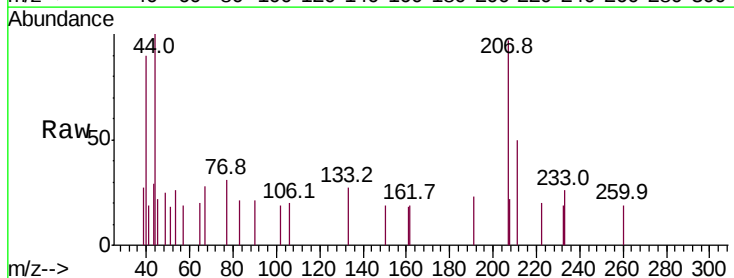
RT: 3.07 min Scan# 257

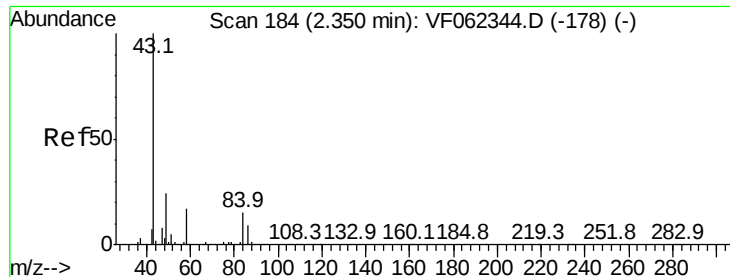
Delta R.T. -0.02 min

Lab File: VF062427.D

Acq: 10 May 2019 16:59

Tgt Ion:	53	Resp:	88
Ion	Ratio	Lower	Upper
53	100		
52	0.0	77.2	115.8#
51	365.9	40.6	61.0#





#16

Acetone

Concen: 28.118 ug/l

RT: 2.34 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF062427.D

Acq: 10 May 2019 16:59

Instrument :

MSVOA_F

ClientSampleId :

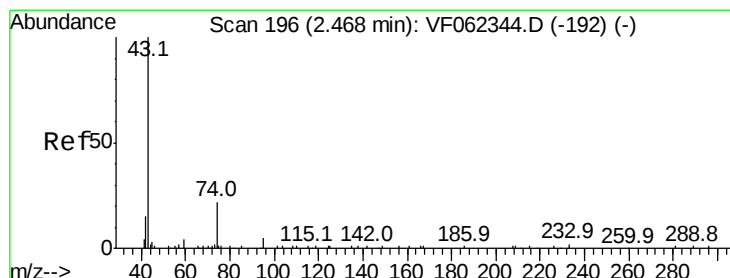
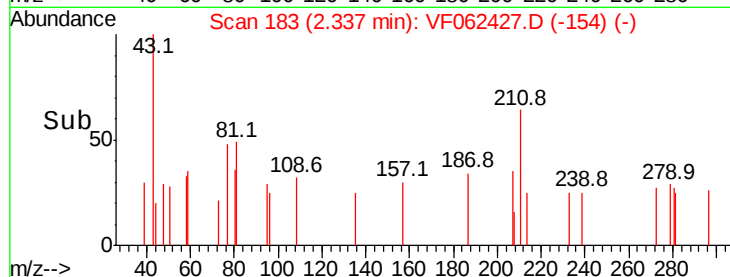
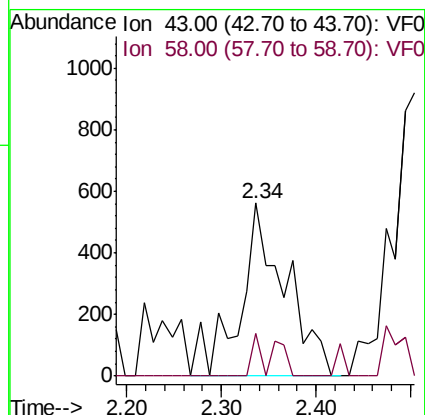
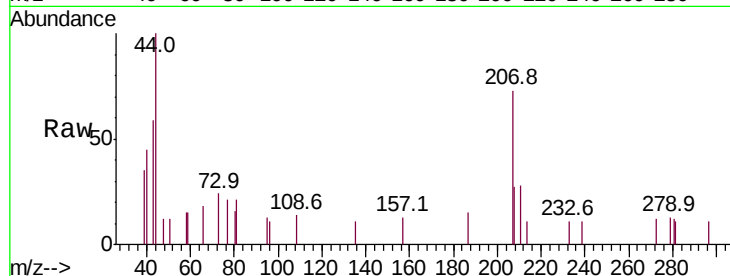
PL-02-050719-BRE

Tot Ion: 43 Resp: 1886

Ion Ratio Lower Upper

43 100

58 24.6 13.1 19.7#



#18

Methyl Acetate

Concen: 25.500 ug/l

RT: 2.51 min Scan# 201

Delta R.T. 0.05 min

Lab File: VF062427.D

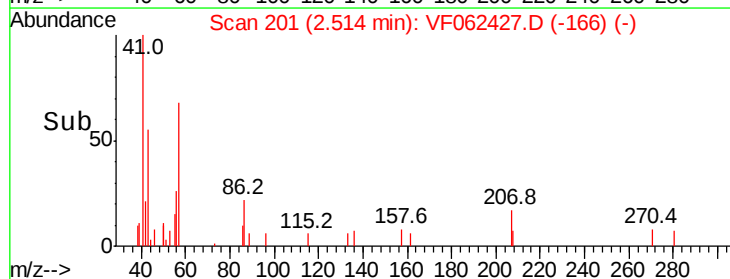
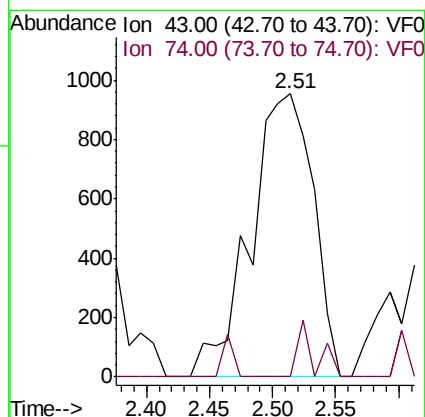
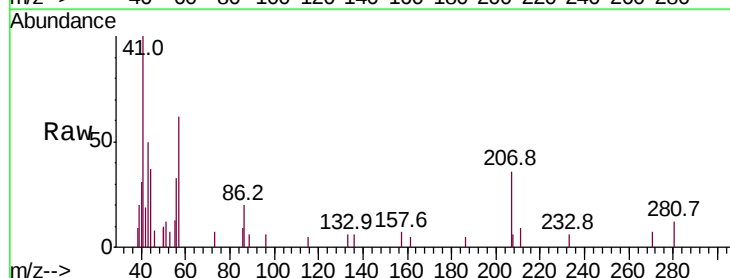
Acq: 10 May 2019 16:59

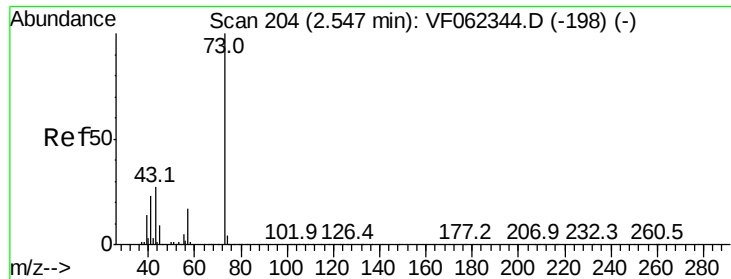
Tgt Ion: 43 Resp: 3307

Ion Ratio Lower Upper

43 100

74 5.5 15.0 22.4#



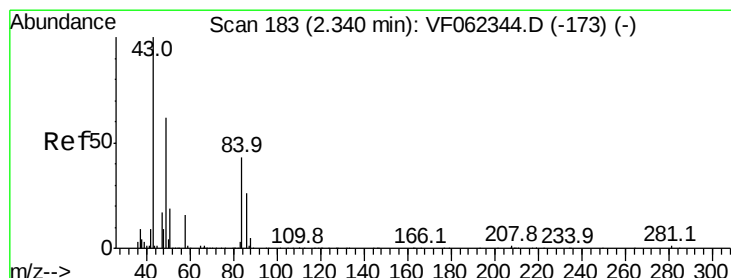
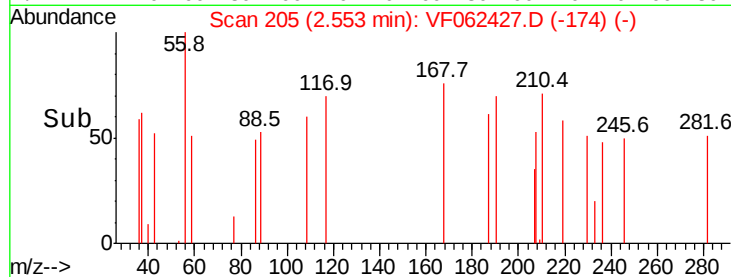
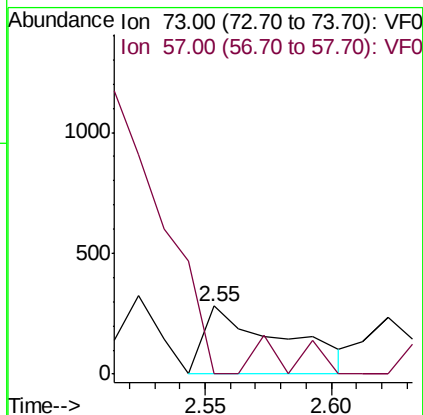
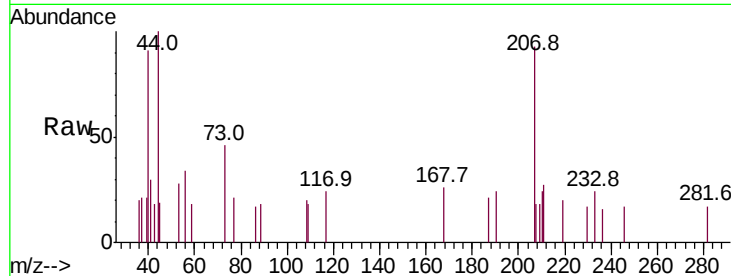


#19

Methyl tert-butyl Ether
 Concen: 1.093 ug/l
 RT: 2.55 min Scan# 205
 Delta R.T. 0.01 min
 Lab File: VF062427.D
 Acq: 10 May 2019 16:59

Instrument :
 MSVOA_F
 ClientSampleId :
 PL-02-050719-BRE

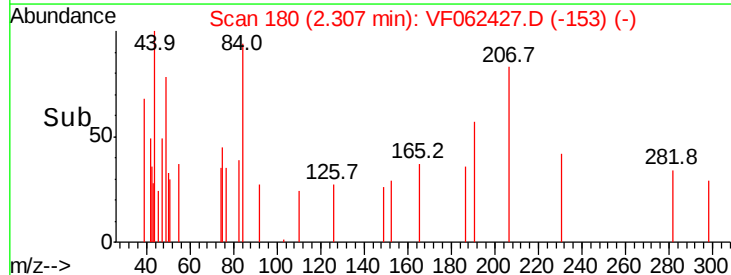
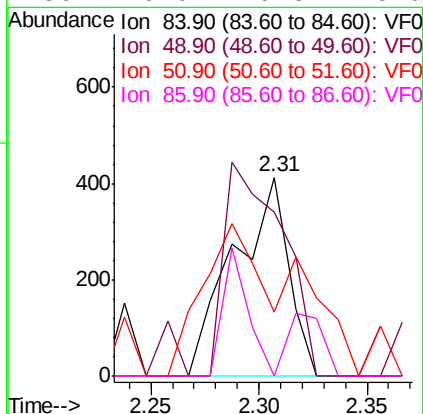
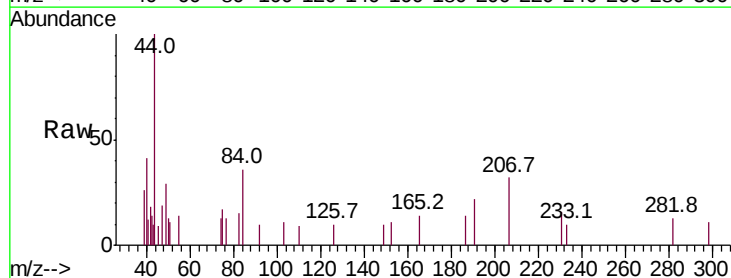
Tot Ion: 73 Resp: 607
 Ion Ratio Lower Upper
 73 100
 57 0.0 13.7 20.5#

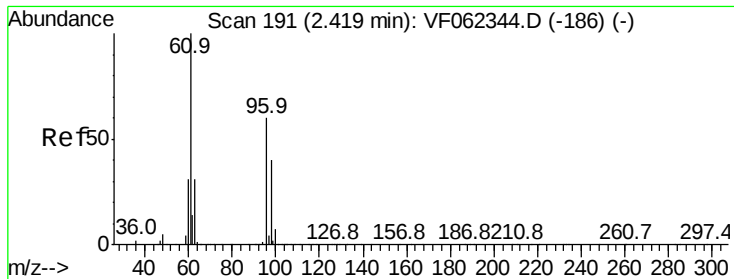


#20

Methylene Chloride
 Concen: 2.983 ug/l
 RT: 2.31 min Scan# 180
 Delta R.T. -0.03 min
 Lab File: VF062427.D
 Acq: 10 May 2019 16:59

Tgt Ion: 84 Resp: 724
 Ion Ratio Lower Upper
 84 100
 49 82.3 117.5 176.3#
 51 3.6 37.0 55.4#
 86 0.0 49.3 73.9#





#21

trans-1,2-Dichloroethene

Concen: 1.405 ug/l

RT: 2.44 min Scan# 194

Delta R.T. 0.03 min

Lab File: VF062427.D

Acq: 10 May 2019 16:59

Instrument :

MSVOA_F

ClientSampleId :

PL-02-050719-BRE

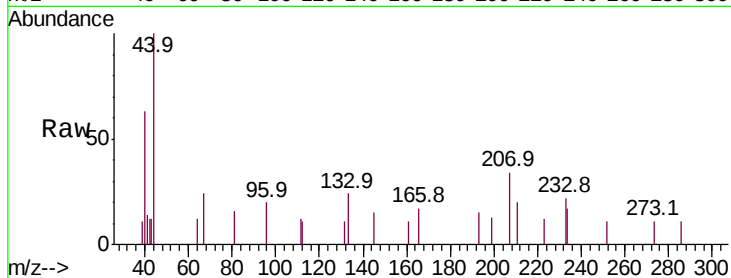
Tot Ion: 96 Resp: 360

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

250

200

150

100

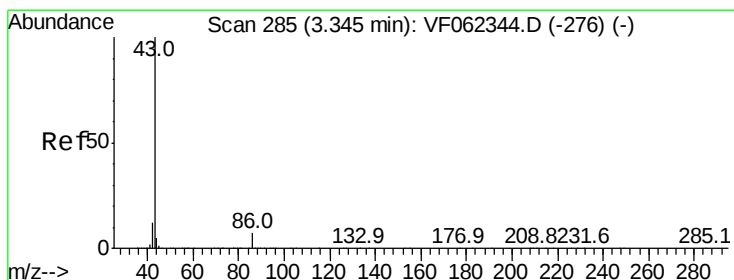
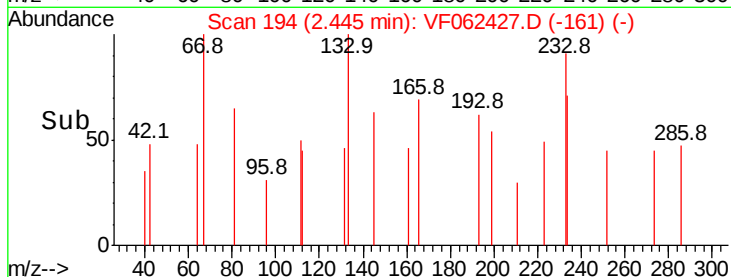
50

0

2.40

2.45

Time-->



#23

Vinyl Acetate

Concen: 1.060 ug/l

RT: 3.36 min Scan# 287

Delta R.T. 0.02 min

Lab File: VF062427.D

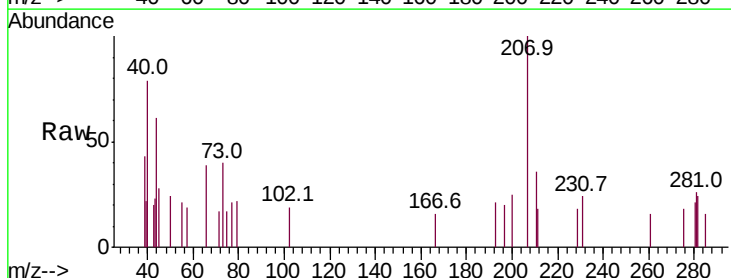
Acq: 10 May 2019 16:59

Tgt Ion: 43 Resp: 351

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

300

200

100

0

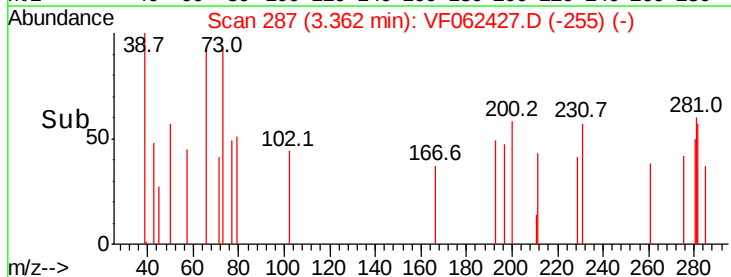
3.34

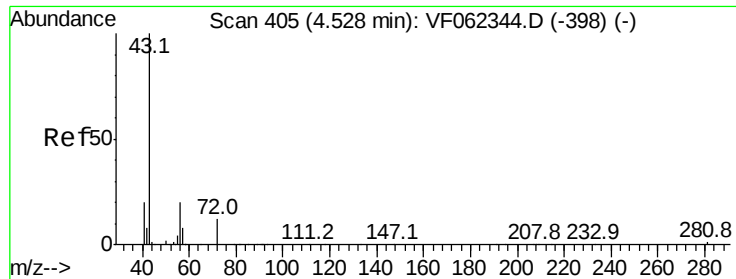
3.36

3.38

3.40

Time-->





#25

2-Butanone

Concen: 8.663 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.01 min

Lab File: VF062427.D

Acq: 10 May 2019 16:59

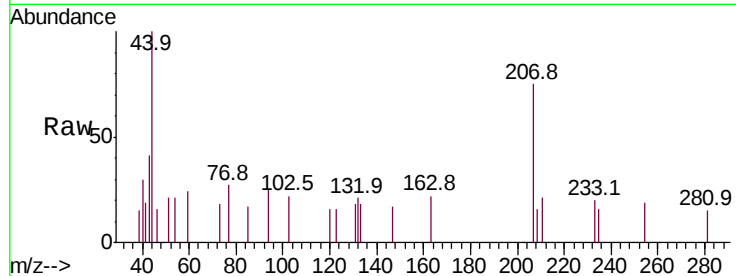
Instrument :
MSVOA_F
ClientSampleId :
PL-02-050719-BRE

Tot Ion: 43 Resp: 730

Ion Ratio Lower Upper

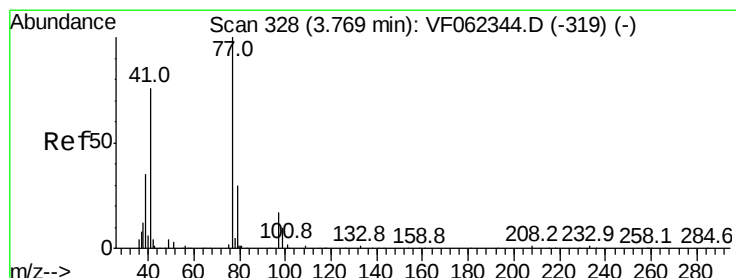
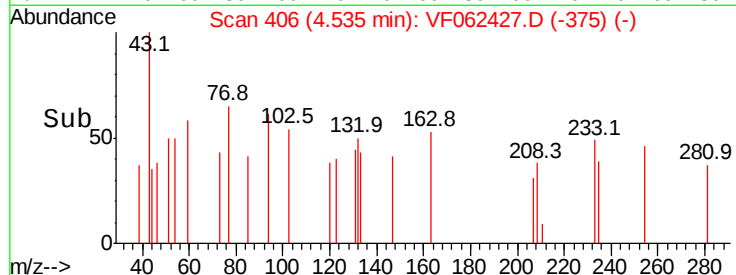
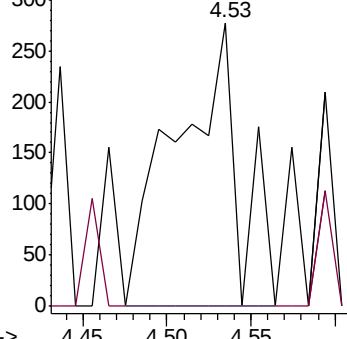
43 100

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: 1.069 ug/l

RT: 3.67 min Scan# 318

Delta R.T. -0.10 min

Lab File: VF062427.D

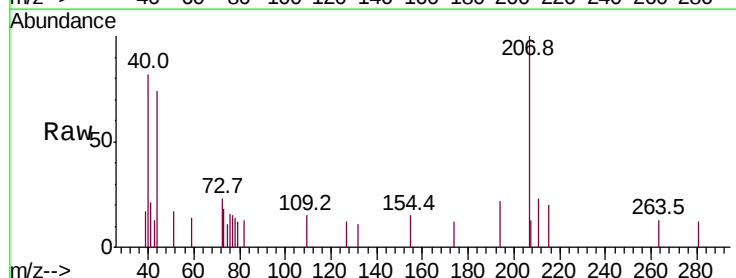
Acq: 10 May 2019 16:59

Tgt Ion: 77 Resp: 268

Ion Ratio Lower Upper

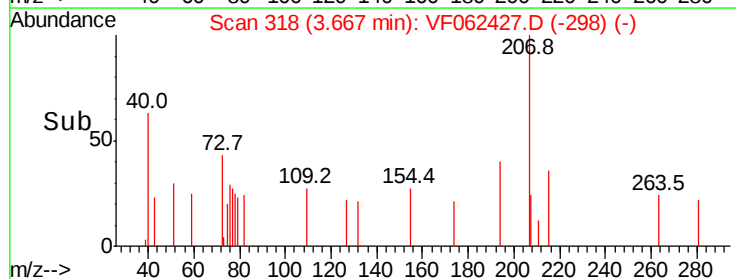
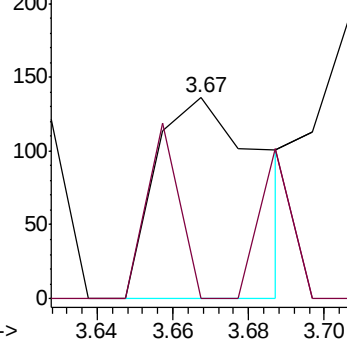
77 100

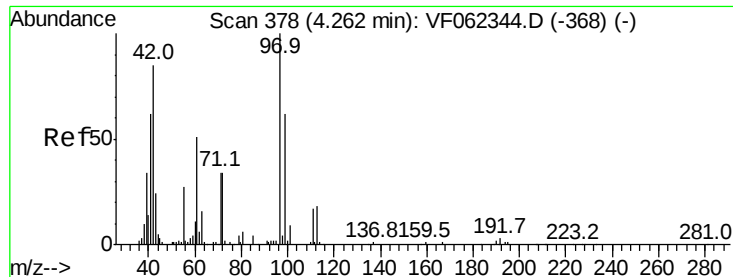
97 26.1 9.5 28.5



Abundance Ion 76.90 (76.60 to 77.60): VF0

Ion 96.90 (96.60 to 97.60): VF0





#29

Tetrahydrofuran

Concen: 1.730 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.02 min

Lab File: VF062427.D

Acq: 10 May 2019 16:59

Instrument :

MSVOA_F

ClientSampleId :

PL-02-050719-BRE

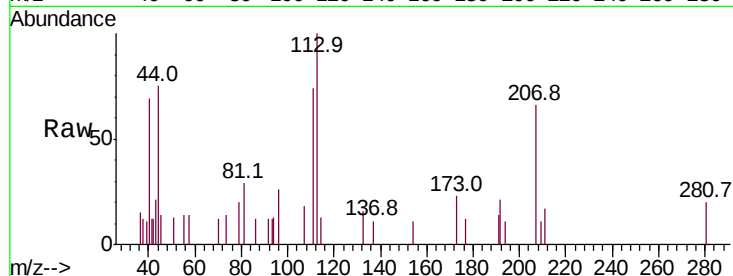
Tot Ion: 42 Resp: 67

Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.0#

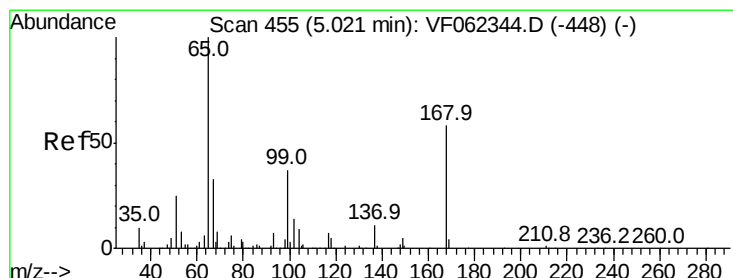
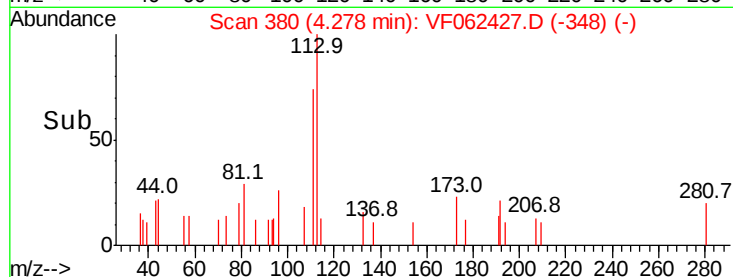
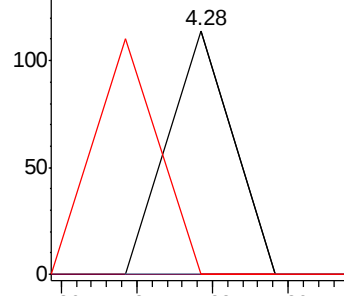
71 97.0 31.7 47.5#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 15.894 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.01 min

Lab File: VF062427.D

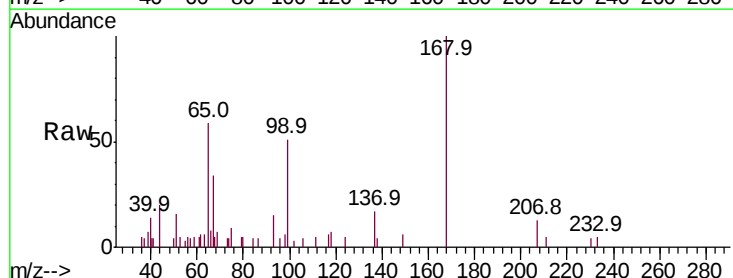
Acq: 10 May 2019 16:59

Tgt Ion: 65 Resp: 5270

Ion Ratio Lower Upper

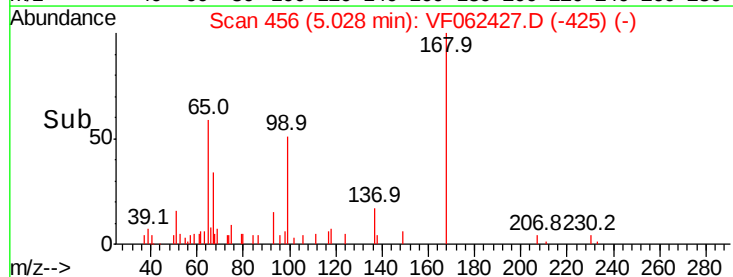
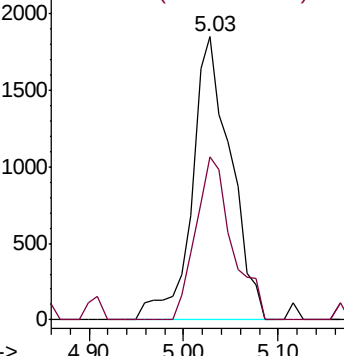
65 100

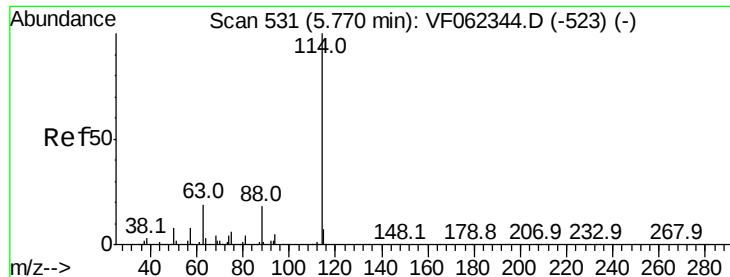
67 54.5 0.0 85.8



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: 5.78 min Scan# 532

Delta R.T. 0.01 min

Lab File: VF062427.D

Acq: 10 May 2019 16:59

Instrument :

MSVOA_F

ClientSampleId :

PL-02-050719-BRE

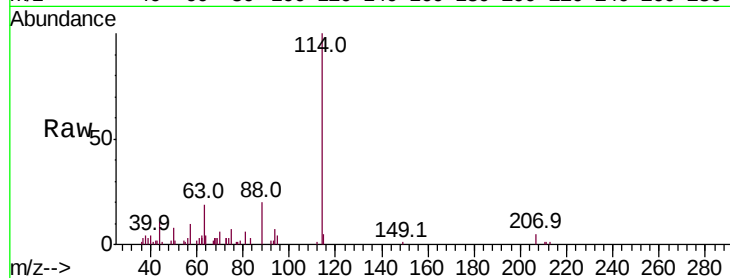
Tot Ion:114 Resp: 27978

Ion Ratio Lower Upper

114 100

63 18.6 0.0 37.4

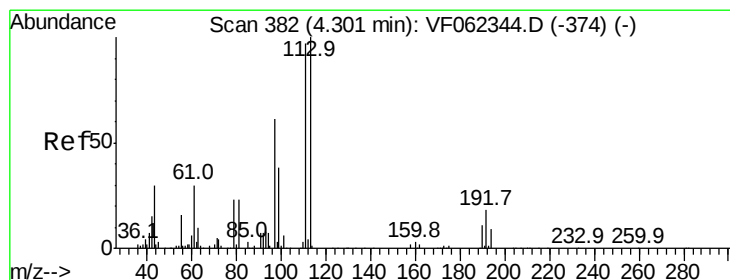
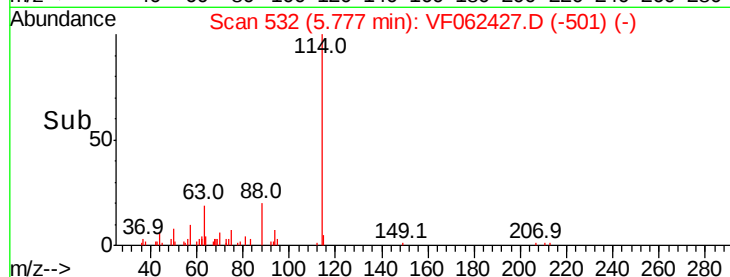
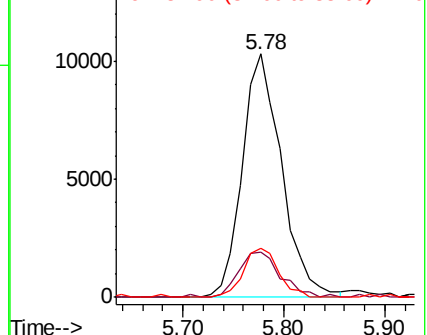
88 20.2 0.0 36.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0



#35

Dibromofluoromethane

Concen: 37.085 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.01 min

Lab File: VF062427.D

Acq: 10 May 2019 16:59

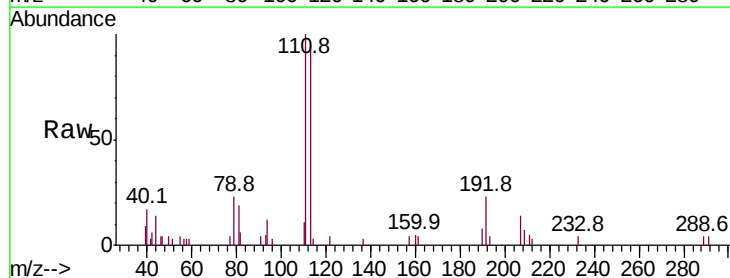
Tgt Ion:113 Resp: 8266

Ion Ratio Lower Upper

113 100

111 100.3 79.4 119.0

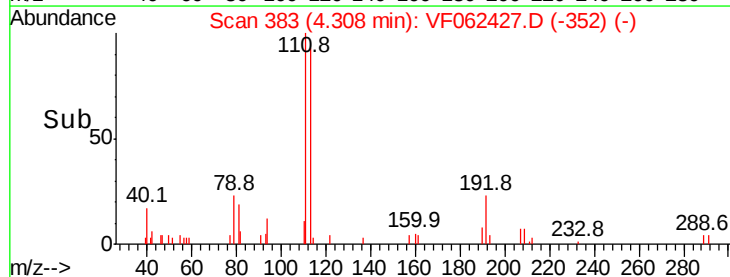
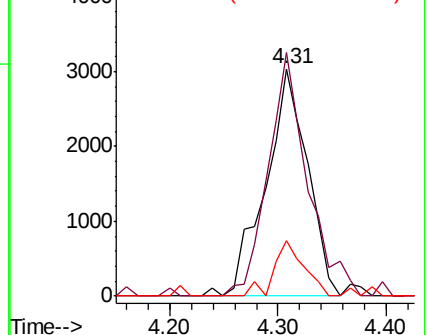
192 17.4 16.0 24.0

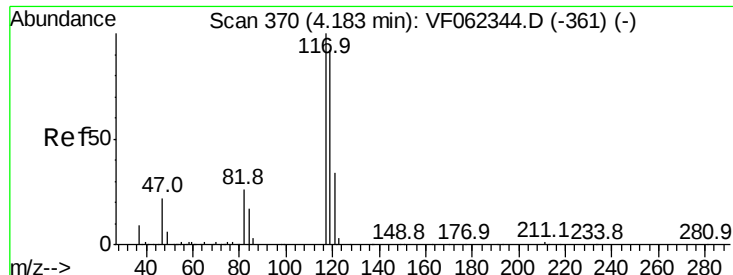


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: Below Cal

RT: 4.17 min Scan# 369

Delta R.T. -0.01 min

Lab File: VF062427.D

Acq: 10 May 2019 16:59

Instrument :

MSVOA_F

ClientSampleId :

PL-02-050719-BRE

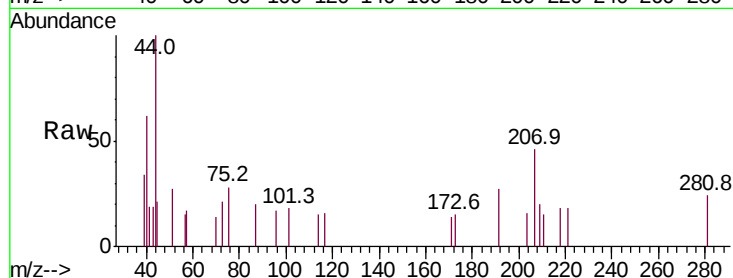
Tot Ion:117 Resp: 66

Ion Ratio Lower Upper

117 100

119 0.0 73.4 110.2#

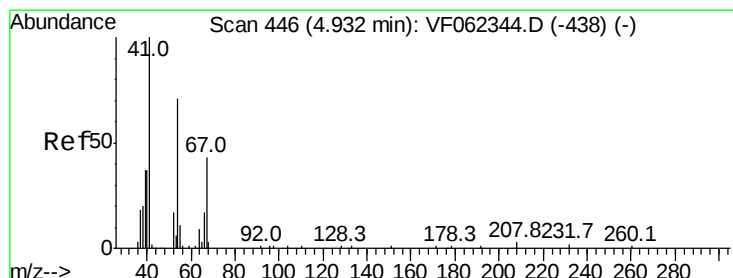
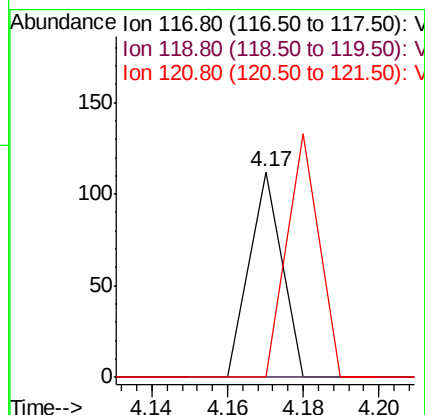
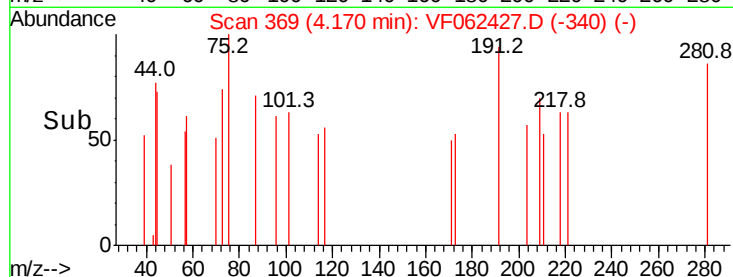
121 0.0 27.4 41.0#



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



#41

Methacrylonitrile

Concen: 5.449 ug/l

RT: 4.92 min Scan# 445

Delta R.T. -0.01 min

Lab File: VF062427.D

Acq: 10 May 2019 16:59

Tgt Ion: 41 Resp: 314

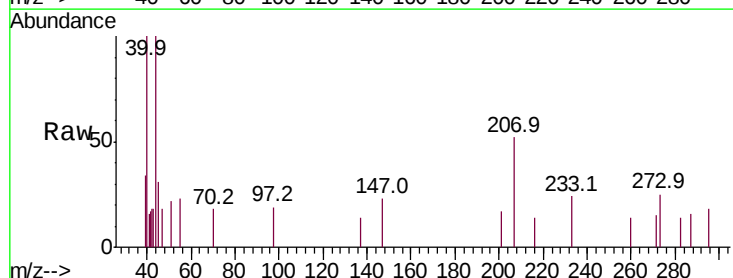
Ion Ratio Lower Upper

41 100

39 108.9 54.3 81.5#

67 29.0 37.8 56.8#

52 0.0 58.2 87.4#

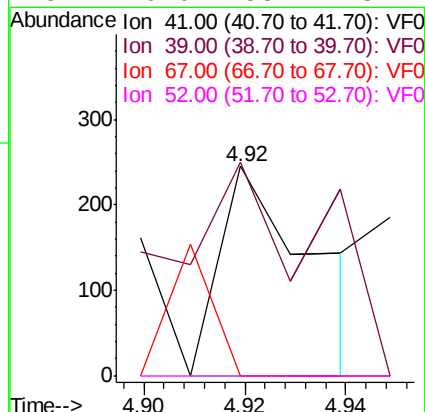
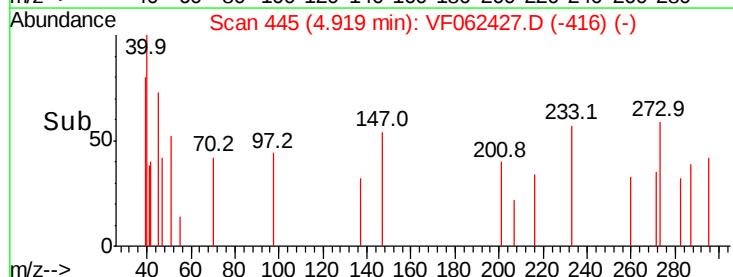


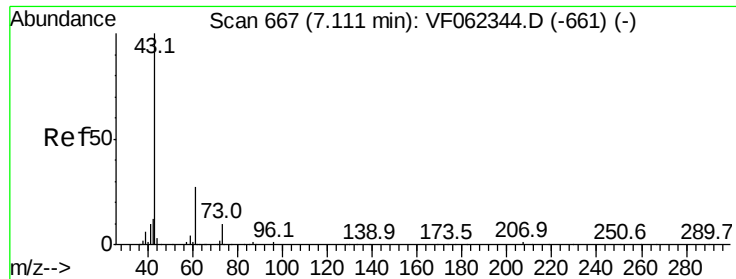
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#43

Isopropyl Acetate

Concen: 4.528 ug/l

RT: 7.14 min Scan# 670

Delta R.T. 0.03 min

Lab File: VF062427.D

Acq: 10 May 2019 16:59

Instrument :

MSVOA_F

ClientSampleId :

PL-02-050719-BRE

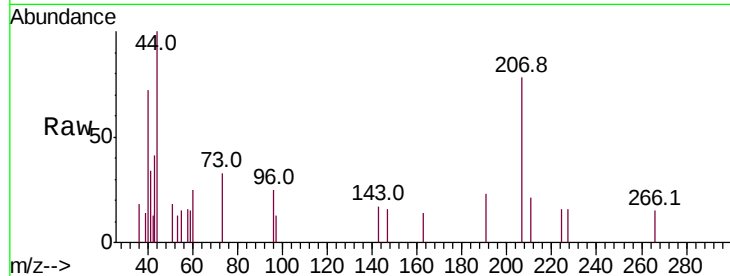
Tot Ion: 43 Resp: 495

Ion Ratio Lower Upper

43 100

61 21.8 22.8 34.2#

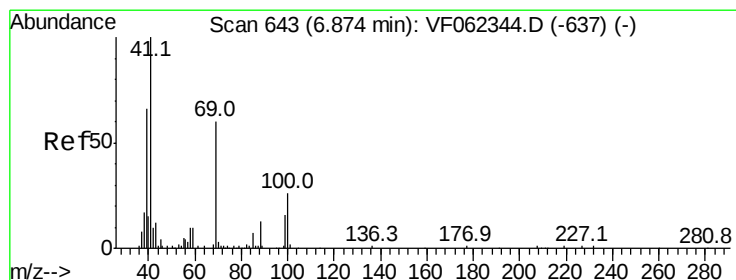
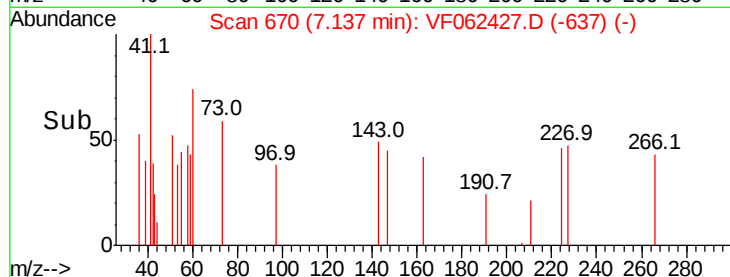
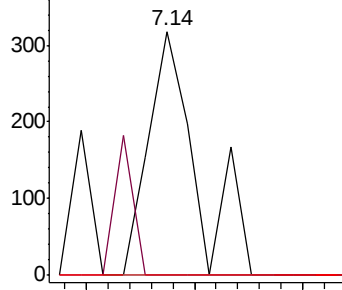
87 0.0 0.6 1.0#



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



#48

Methyl methacrylate

Concen: 2.912 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.01 min

Lab File: VF062427.D

Acq: 10 May 2019 16:59

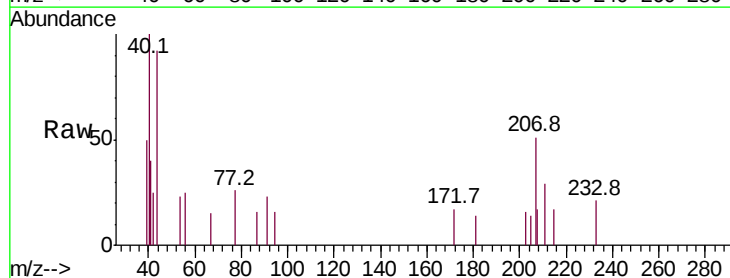
Tgt Ion: 41 Resp: 225

Ion Ratio Lower Upper

41 100

69 0.0 48.6 72.8#

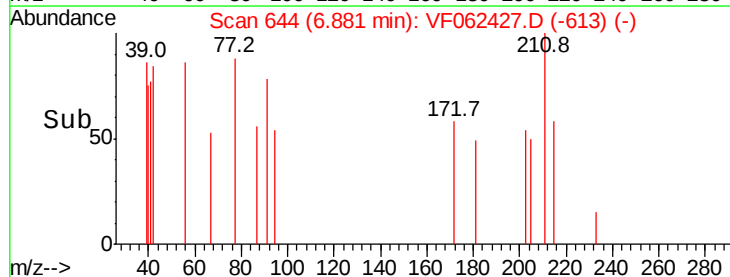
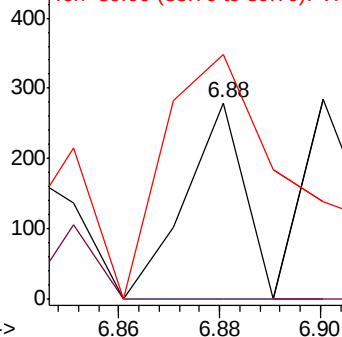
39 280.9 56.1 84.1#

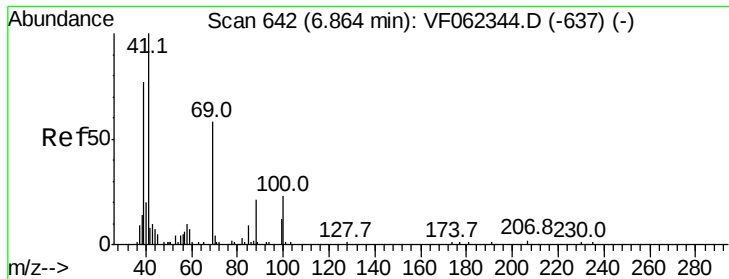


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

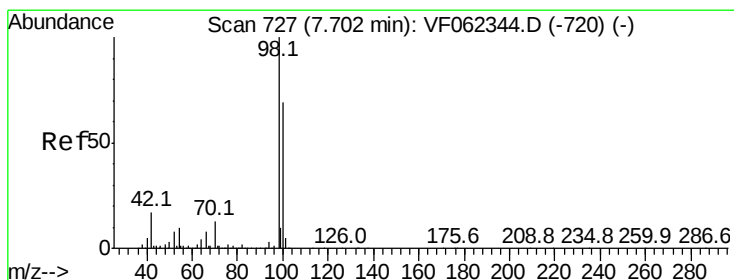
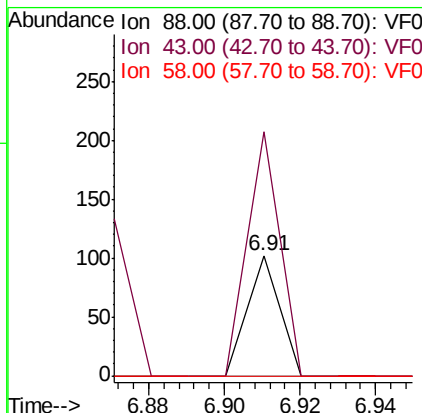
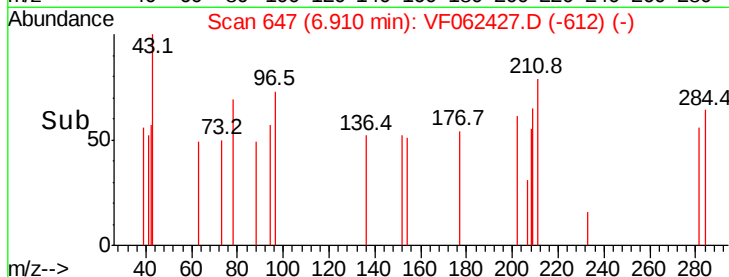
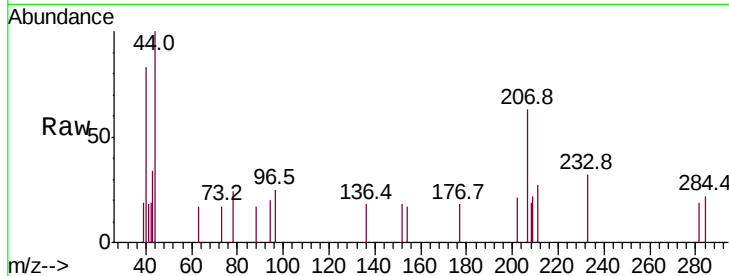




#49
1,4-Dioxane
Concen: 63.274 ug/l
RT: 6.91 min Scan# 647
Delta R.T. 0.05 min
Lab File: VF062427.D
Acq: 10 May 2019 16:59

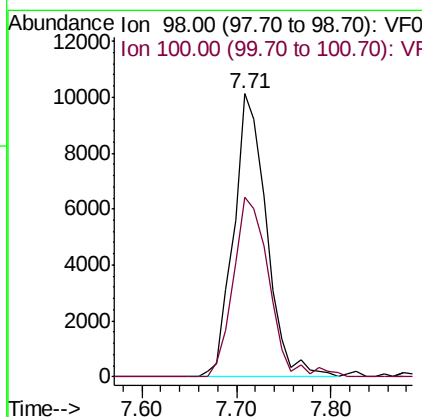
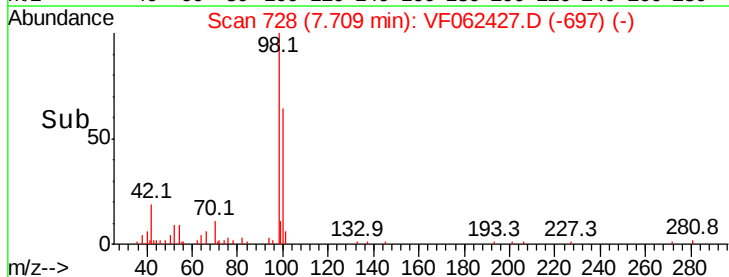
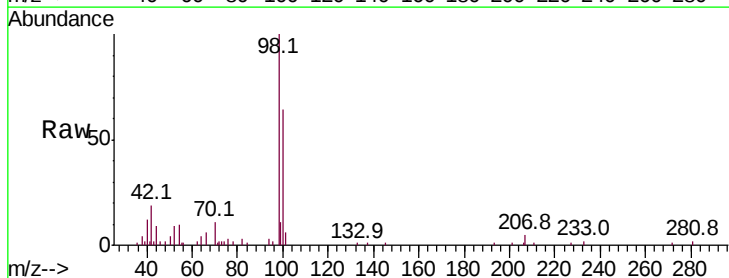
Instrument :
MSVOA_F
ClientSampleId :
PL-02-050719-BRE

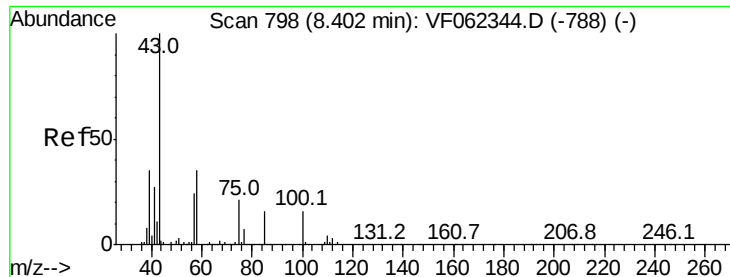
Tot Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 203.3 55.6 83.4#
58 0.0 52.8 79.2#



#50
Toluene-d8
Concen: 45.147 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.01 min
Lab File: VF062427.D
Acq: 10 May 2019 16:59

Tgt Ion: 98 Resp: 24359
Ion Ratio Lower Upper
98 100
100 69.3 53.3 79.9





#51

4-Methyl-2-Pentanone

Concen: 2.088 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.00 min

Lab File: VF062427.D

Acq: 10 May 2019 16:59

Instrument :

MSVOA_F

ClientSampleId :

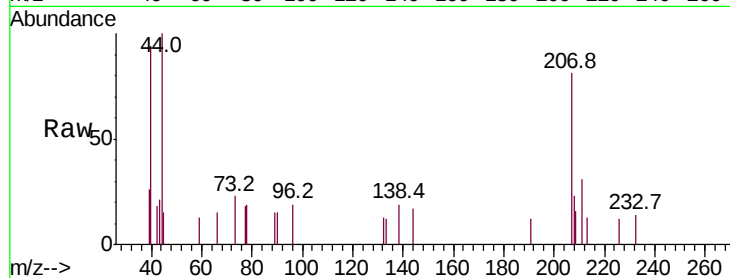
PL-02-050719-BRE

Tot Ion: 43 Resp: 173

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

8.40

150

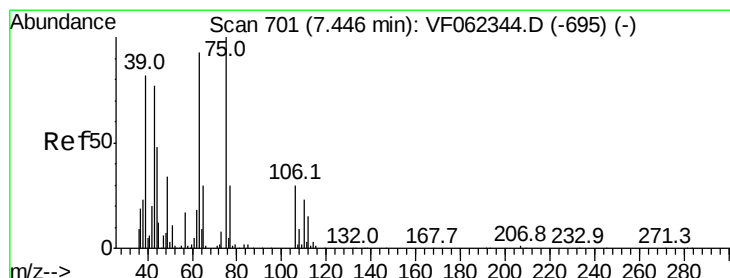
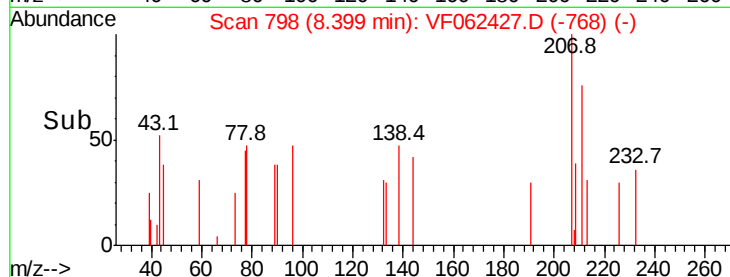
100

50

0

8.38 8.40 8.42

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 2.888 ug/l

RT: 7.32 min Scan# 689

Delta R.T. -0.12 min

Lab File: VF062427.D

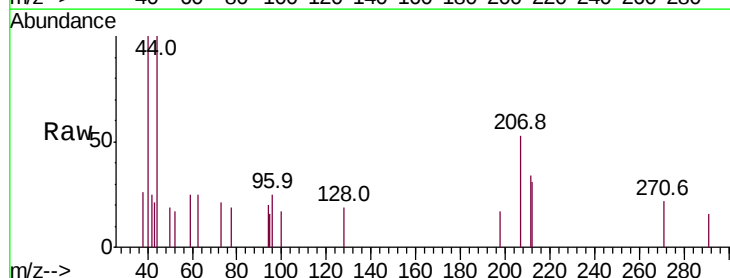
Acq: 10 May 2019 16:59

Tgt Ion: 63 Resp: 95

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

7.32

150

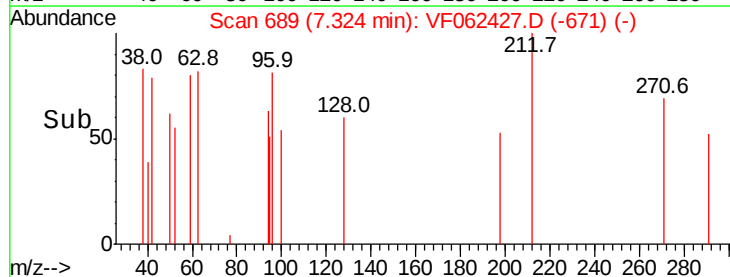
100

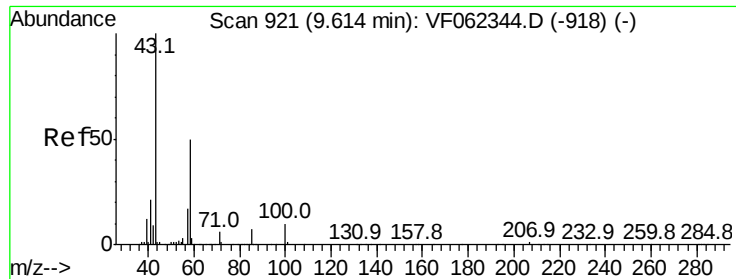
50

0

7.30 7.32 7.34

Time-->

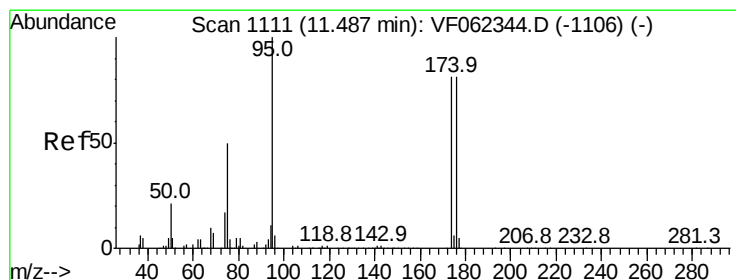
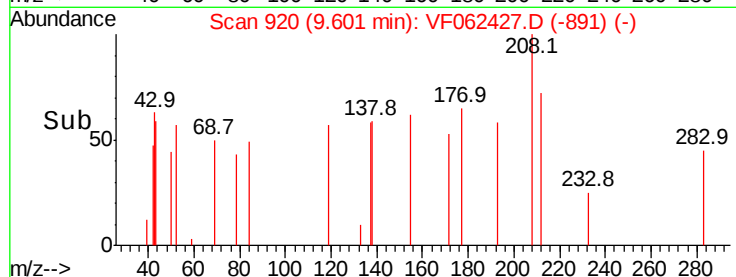
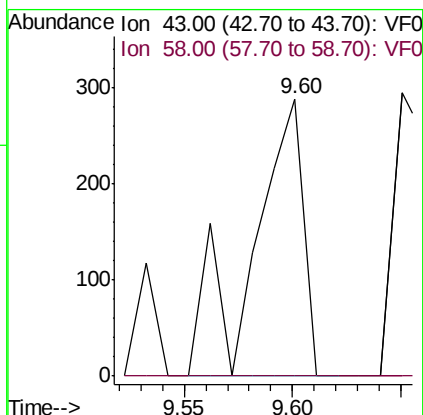
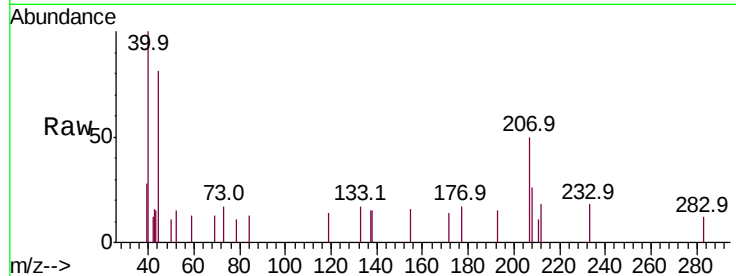




#59
2-Hexanone
Concen: 8.169 ug/l
RT: 9.60 min Scan# 920
Delta R.T. -0.01 min
Lab File: VF062427.D
Acq: 10 May 2019 16:59

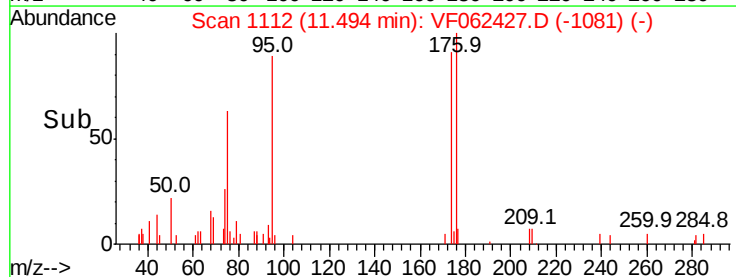
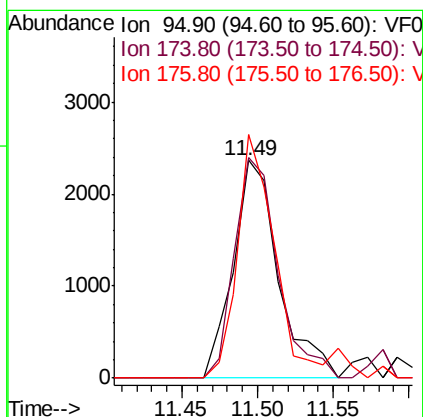
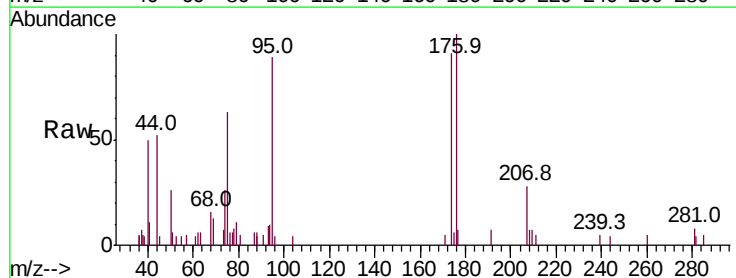
Instrument :
MSVOA_F
ClientSampleId :
PL-02-050719-BRE

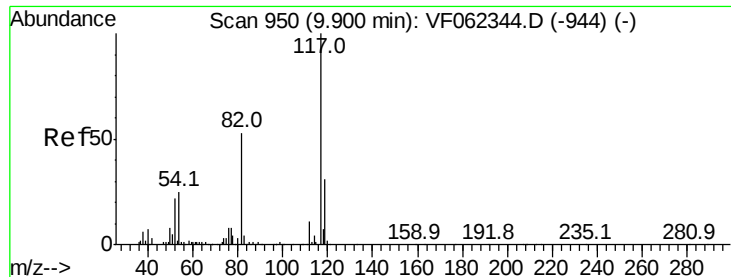
Tot Ion: 43 Resp: 468
Ion Ratio Lower Upper
43 100
58 0.0 24.3 73.0#



#62
4-Bromofluorobenzene
Concen: 20.314 ug/l
RT: 11.49 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VF062427.D
Acq: 10 May 2019 16:59

Tgt Ion: 95 Resp: 4945
Ion Ratio Lower Upper
95 100
174 97.0 0.0 191.8
176 90.9 0.0 193.2

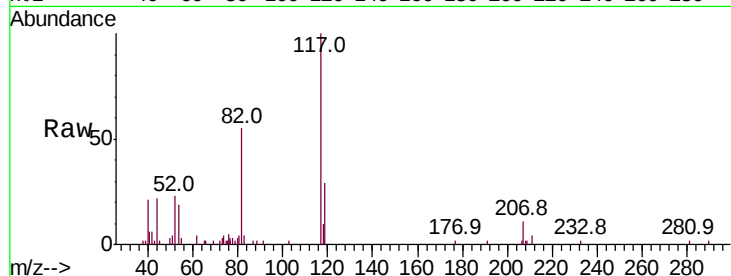




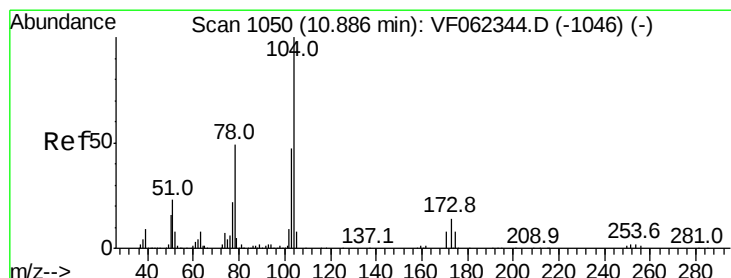
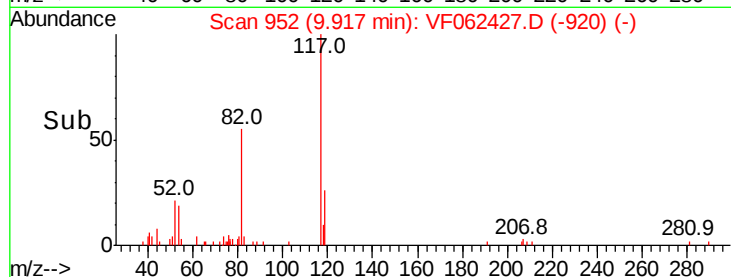
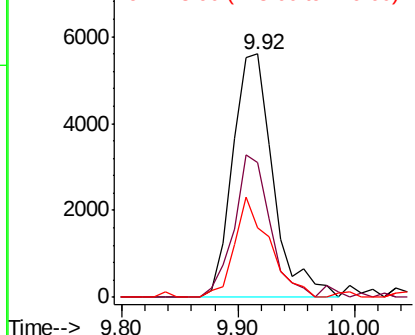
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.02 min
Lab File: VF062427.D
Acq: 10 May 2019 16:59

Instrument :
MSVOA_F
ClientSampleId :
PL-02-050719-BRE

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	42.2	63.2
119	28.6	25.0	37.4

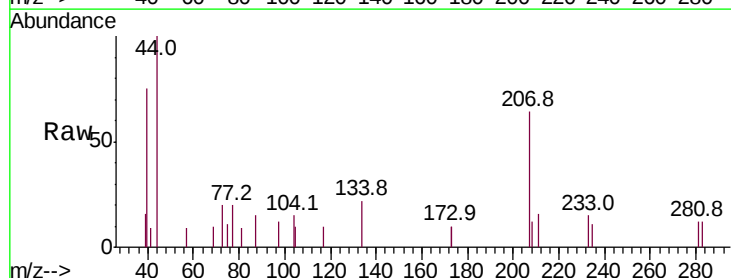


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 118.90 (118.60 to 119.60): V

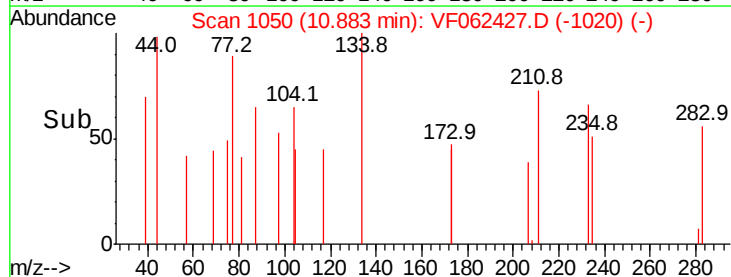
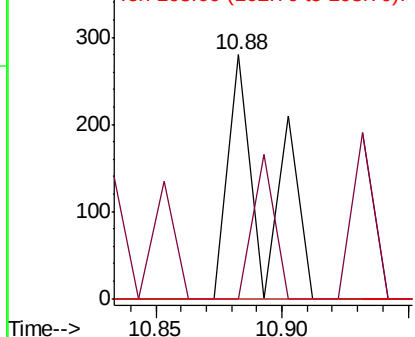


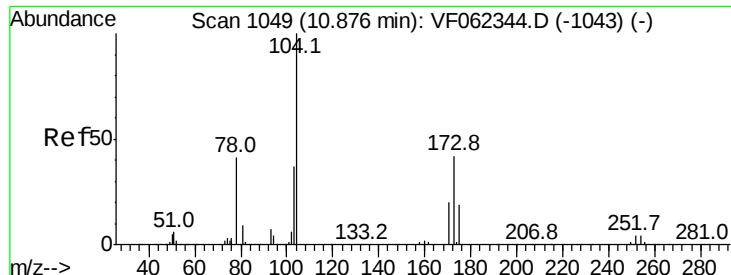
#70
Styrene
Concen: 1.243 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VF062427.D
Acq: 10 May 2019 16:59

Tgt Ion	Ratio	Lower	Upper
104	100		
78	33.8	39.5	59.3#
103	0.0	38.4	57.6#



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





#71

Bromoform

Concen: 2.239 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.01 min

Lab File: VF062427.D

Acq: 10 May 2019 16:59

Instrument :

MSVOA_F

ClientSampleId :

PL-02-050719-BRE

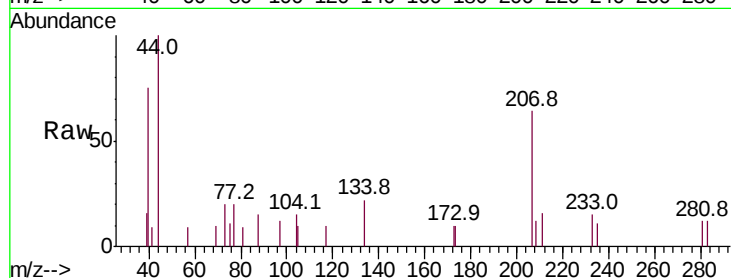
Tot Ion:173 Resp: 138

Ion Ratio Lower Upper

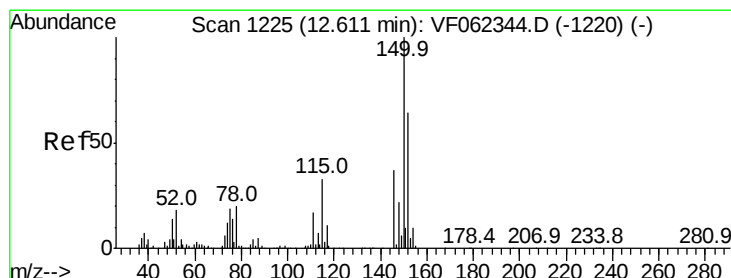
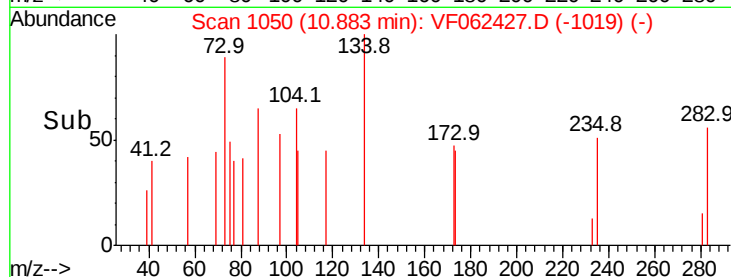
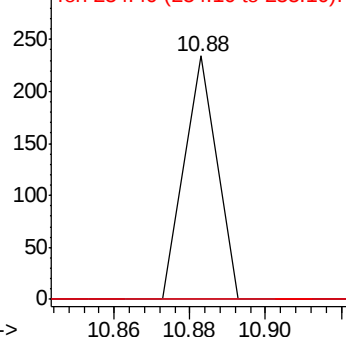
173 100

175 0.0 23.8 71.2#

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. 0.01 min

Lab File: VF062427.D

Acq: 10 May 2019 16:59

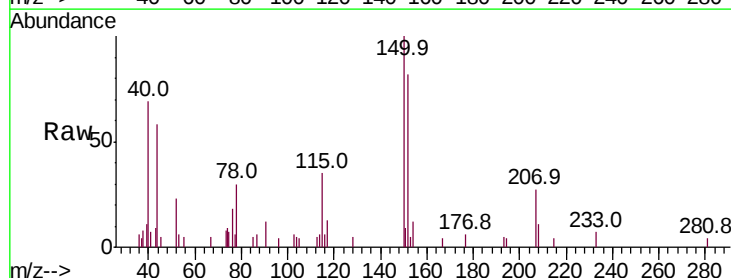
Tgt Ion:152 Resp: 3139

Ion Ratio Lower Upper

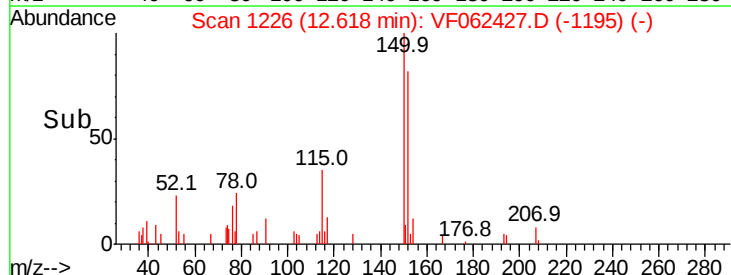
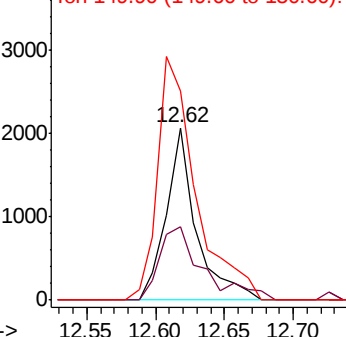
152 100

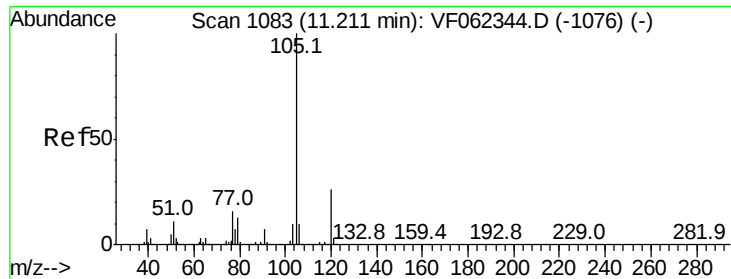
115 61.2 26.4 79.2

150 178.5 0.0 335.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.870 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VF062427.D

Acq: 10 May 2019 16:59

Instrument :

MSVOA_F

ClientSampleId :

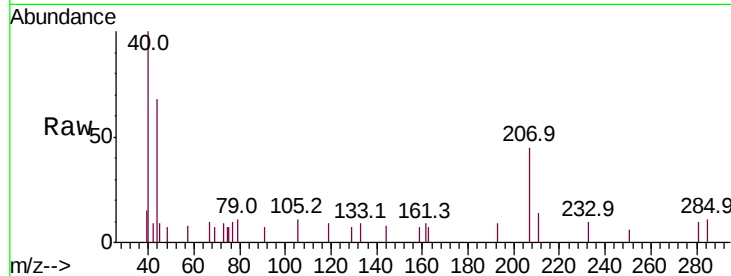
PL-02-050719-BRE

Tot Ion:105 Resp: 348

Ion Ratio Lower Upper

105 100

120 0.0 12.7 38.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.23

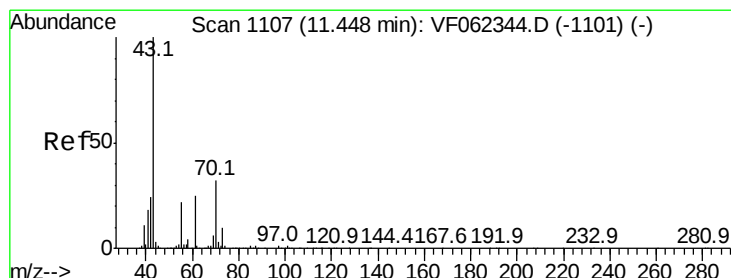
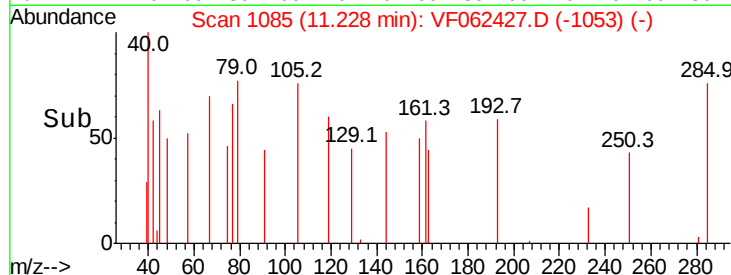
150

100

50

0

Time--> 11.15 11.20 11.25



#74

N-ethyl acetate

Concen: 5.231 ug/l

RT: 11.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VF062427.D

Acq: 10 May 2019 16:59

Tgt Ion: 43 Resp: 209

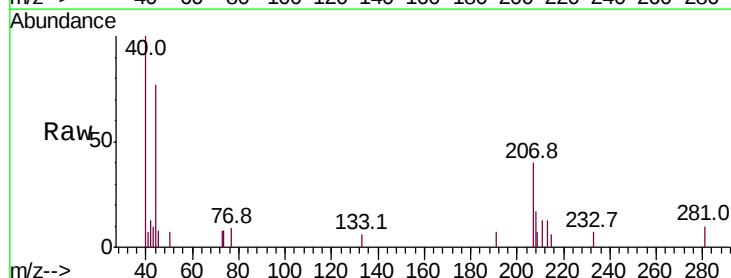
Ion Ratio Lower Upper

43 100

70 0.0 26.5 39.7#

55 61.2 17.8 26.6#

61 0.0 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

300

250

200

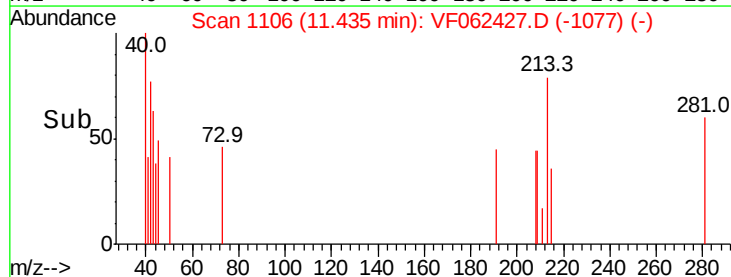
150

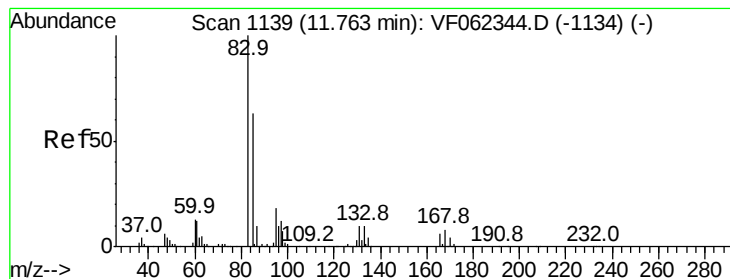
100

50

0

Time--> 11.42 11.44 11.46





#75

1,1,2,2-Tetrachloroethane

Concen: 3.089 ug/l

RT: 11.75 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VF062427.D

Acq: 10 May 2019 16:59

Instrument :

MSVOA_F

ClientSampleId :

PL-02-050719-BRE

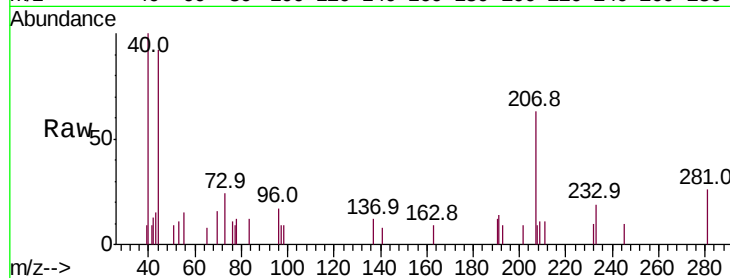
Tot Ion: 83 Resp: 90

Ion Ratio Lower Upper

83 100

131 0.0 5.8 17.4#

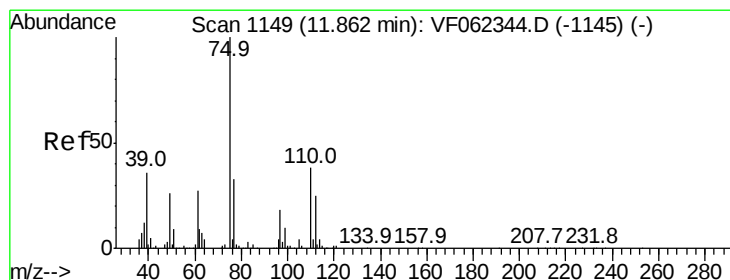
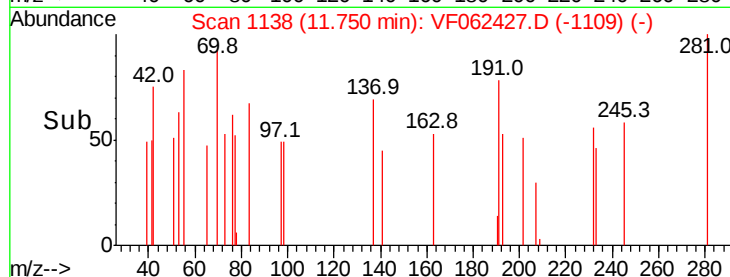
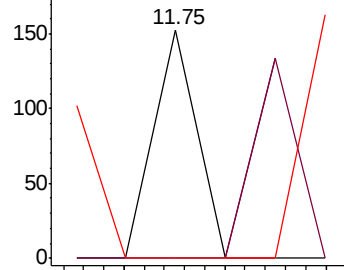
85 0.0 35.3 105.7#



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 6.208 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. 0.02 min

Lab File: VF062427.D

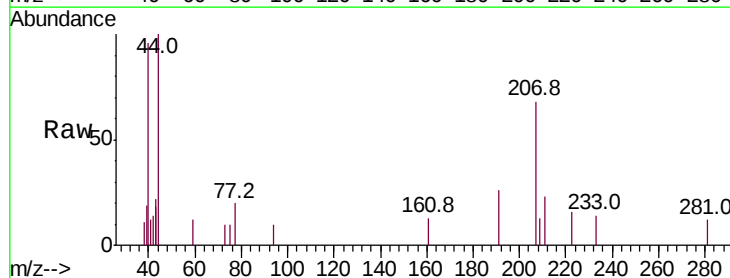
Acq: 10 May 2019 16:59

Tgt Ion: 75 Resp: 138

Ion Ratio Lower Upper

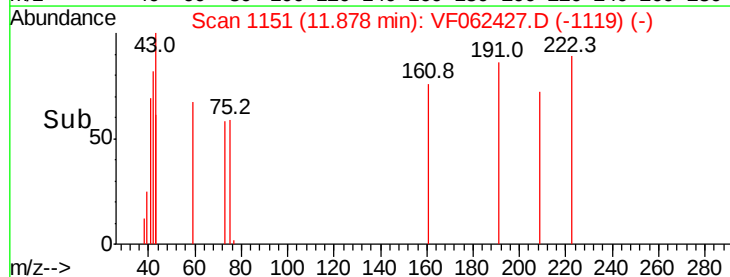
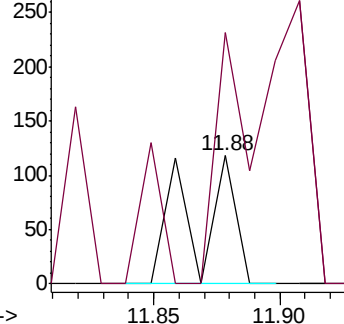
75 100

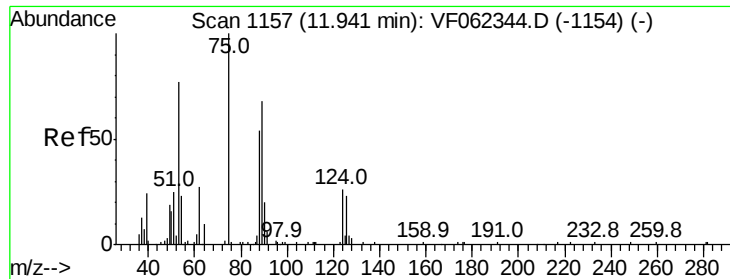
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#81

trans-1,4-Dichloro-2-butene

Concen: 7.420 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. 0.04 min

Lab File: VF062427.D

Acq: 10 May 2019 16:59

Instrument :

MSVOA_F

ClientSampleId :

PL-02-050719-BRE

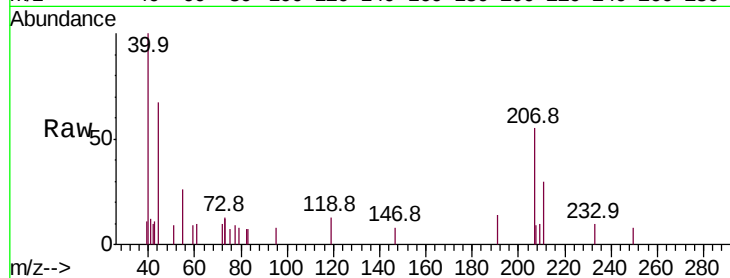
Tot Ion: 75 Resp: 62

Ion Ratio Lower Upper

75 100

53 167.7 71.9 107.9#

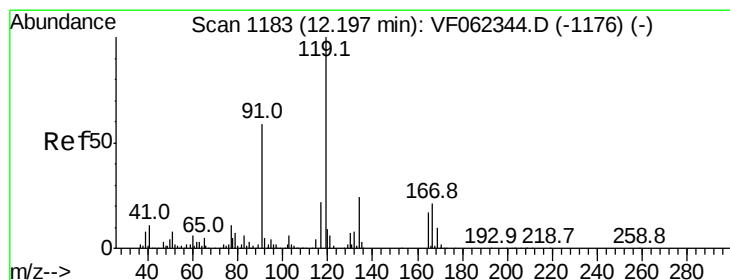
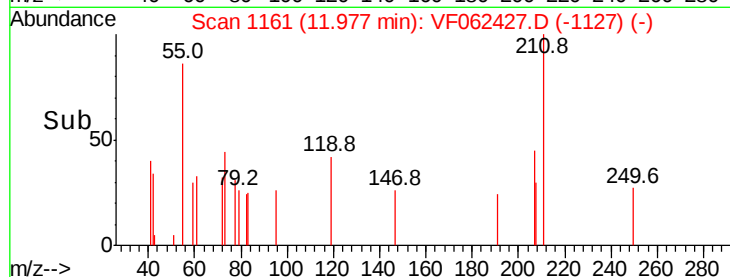
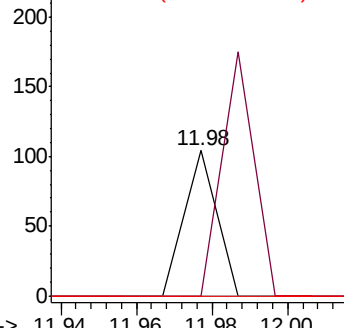
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0



#83

tert-Butylbenzene

Concen: 1.038 ug/l

RT: 12.19 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VF062427.D

Acq: 10 May 2019 16:59

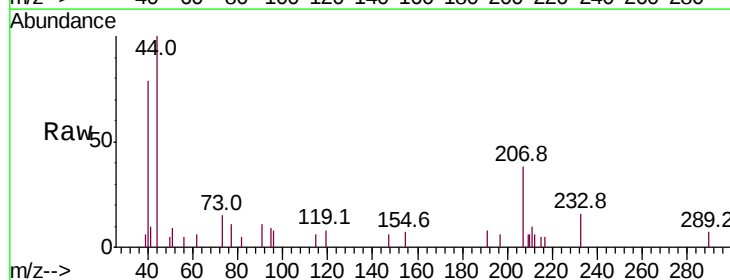
Tgt Ion: 119 Resp: 178

Ion Ratio Lower Upper

119 100

91 115.7 30.4 91.3#

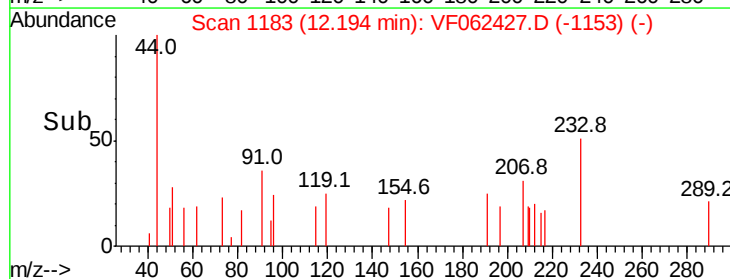
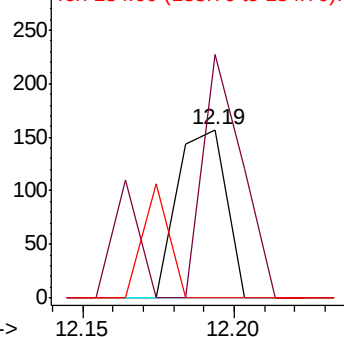
134 0.0 11.9 35.7#

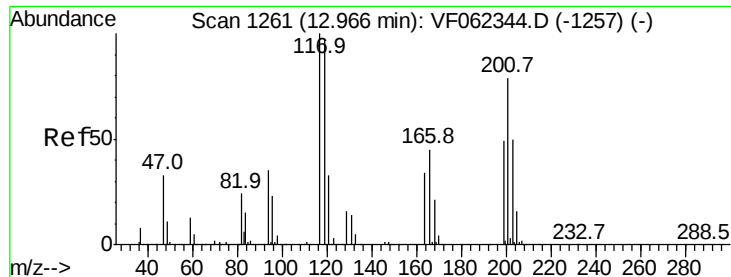


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 1.240 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.03 min

Lab File: VF062427.D

Acq: 10 May 2019 16:59

Instrument :

MSVOA_F

ClientSampleId :

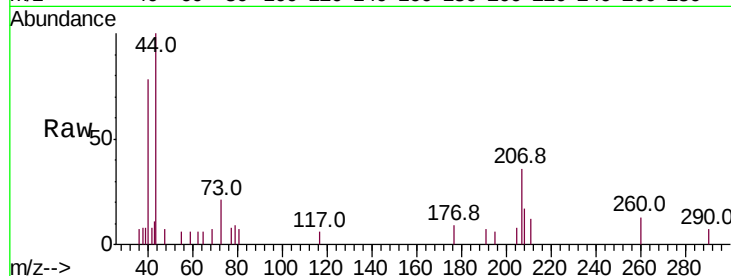
PL-02-050719-BRE

Tot Ion:117 Resp: 60

Ion Ratio Lower Upper

117 100

201 0.0 46.2 138.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

12.99

100

80

60

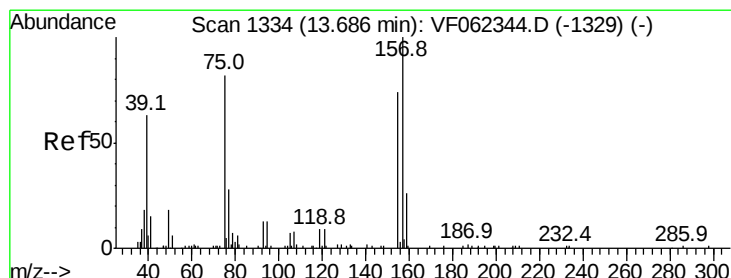
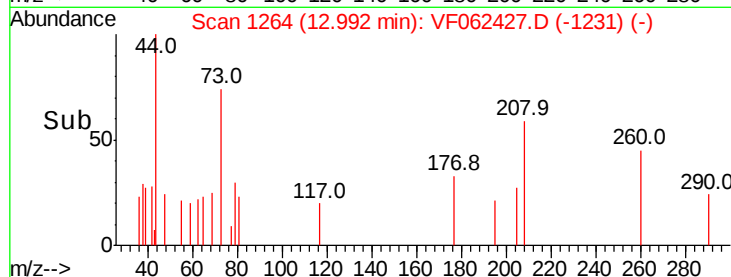
40

20

0

Time-->

12.96 12.98 13.00 13.02



#92

1,2-Dibromo-3-Chloropropane

Concen: 12.256 ug/l

RT: 13.68 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VF062427.D

Acq: 10 May 2019 16:59

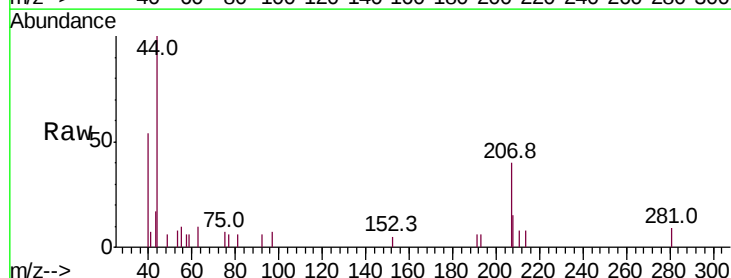
Tgt Ion: 75 Resp: 80

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

13.68

150

100

50

0

Time-->

13.66 13.68 13.70

