

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022819\
 Data File : VF061798.D
 Acq On : 28 Feb 2019 20:16
 Operator : VA/AP
 Sample : K1349-13RE
 Misc : 4.90g/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OR-03-022719-ARE

Quant Time: Mar 01 00:20:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	621	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.59	114	681	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.77	117	555	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.56

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	69	15.15	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	30.30%	
35) Dibromofluoromethane	4.24	113	77	15.23	ug/l	0.12
Spiked Amount	50.000		Recovery	=	30.46%	
50) Toluene-d8	7.55	98	489	33.64	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	67.28%	
62) 4-Bromofluorobenzene	11.27	95	85	14.45	ug/l	-0.15
Spiked Amount	50.000		Recovery	=	28.90%	

Target Compounds

						Qvalue
3) Chloromethane	1.12	50	179	23.922	ug/l #	42
4) Vinyl Chloride	1.13	62	62	8.913	ug/l #	40
5) Bromomethane	1.32	94	304	63.500	ug/l #	3
6) Chloroethane	1.41	64	121	35.298	ug/l #	40
7) Trichlorofluoromethane	1.54	101	79	9.416	ug/l #	20
8) Diethyl Ether	1.61	74	74	35.000	ug/l	94
10) Methyl Iodide	1.81	142	62	5.363	ug/l #	39
11) Tert butyl alcohol	2.57	59	62	235.249	ug/l #	63
12) 1,1-Dichloroethene	1.79	96	100	18.792	ug/l #	1
13) Acrolein	2.11	56	398	1201.562	ug/l	91
14) Allyl chloride	2.08	41	746	114.244	ug/l #	67
15) Acrylonitrile	2.93	53	255	272.779	ug/l #	17
16) Acetone	2.15	43	837	856.652	ug/l	98
17) Carbon Disulfide	1.84	76	80	4.783	ug/l #	73
18) Methyl Acetate	2.35	43	480	218.075	ug/l #	59
19) Methyl tert-butyl Ether	2.37	73	141	15.504	ug/l #	1
20) Methylene Chloride	2.17	84	75	12.431	ug/l #	1
21) trans-1,2-Dichloroethene	2.31	96	151	26.103	ug/l #	1
22) Diisopropyl ether	2.78	45	219	13.972	ug/l #	34
23) Vinyl Acetate	3.19	43	362	47.284	ug/l #	74
24) 1,1-Dichloroethane	2.88	63	60	6.325	ug/l #	86
25) 2-Butanone	4.28	43	338	158.373	ug/l #	61
26) 2,2-Dichloropropane	3.59	77	444	110.505	ug/l #	52
27) cis-1,2-Dichloroethene	3.46	96	78	10.273	ug/l	1
29) Tetrahydrofuran	4.11	42	76	78.349	ug/l #	33
30) Chloroform	4.00	83	66	6.118	ug/l #	18
31) Cyclohexane	3.67	56	104	10.128	ug/l #	16
36) 1,1-Dichloropropene	4.13	75	75	11.117	ug/l #	37
37) Ethyl Acetate	4.14	43	60	19.148	ug/l #	30
39) Methylcyclohexane	5.47	83	59	7.395	ug/l #	15
40) Benzene	4.65	78	118	6.687	ug/l #	52
41) Methacrylonitrile	4.76	41	76	47.428	ug/l #	30
43) Isopropyl Acetate	6.95	43	173	46.644	ug/l #	43
48) Methyl methacrylate	6.67	41	152	68.099	ug/l #	17

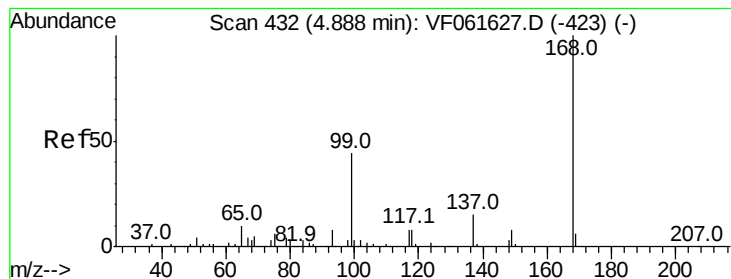
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022819\
Data File : VF061798.D
Acq On : 28 Feb 2019 20:16
Operator : VA/AP
Sample : K1349-13RE
Misc : 4.90g/5mL/MSVOA-F/SOIL
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Instrument :
MSVOA_F
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Quant Time: Mar 01 00:20:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) 4-Methyl-2-Pentanone	8.18	43	118	44.525	ug/l #	34
54) cis-1,3-Dichloropropene	7.18	75	65	10.196	ug/l #	1
59) 2-Hexanone	9.47	43	258	138.881	ug/l #	23
64) Tetrachloroethene	8.12	164	62	13.667	ug/l #	1
67) Ethyl Benzene	9.86	91	75	4.004	ug/l #	45
68) m/p-Xylenes	10.15	106	80	11.161	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.03 min

Lab File: VF061798.D

Acq: 28 Feb 2019 20:16

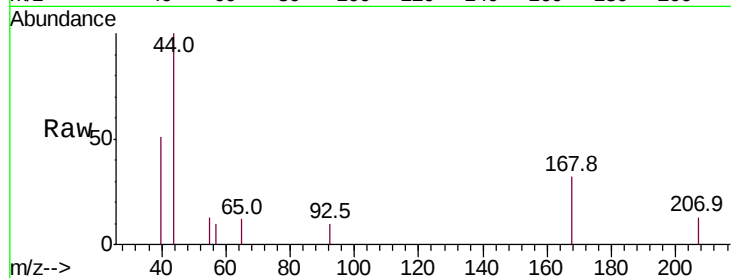
Instrument :
MSVOA_F
ClientSampleId :
OR-03-022719-ARE

Tot Ion:168 Resp: 621

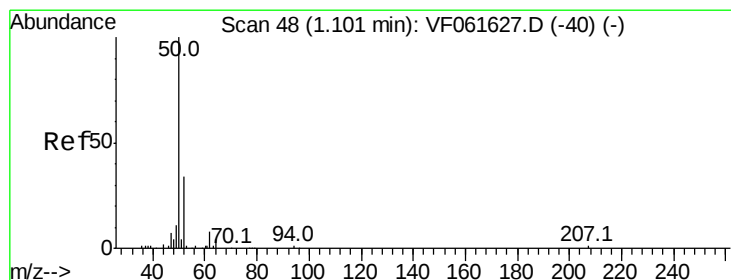
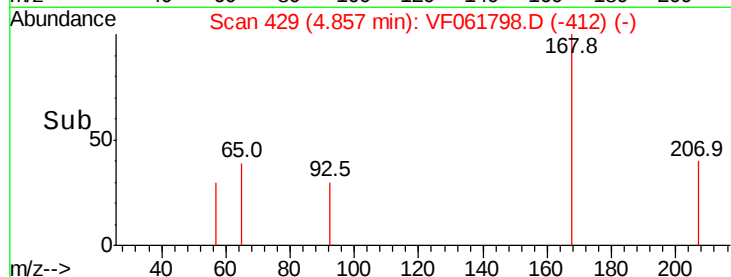
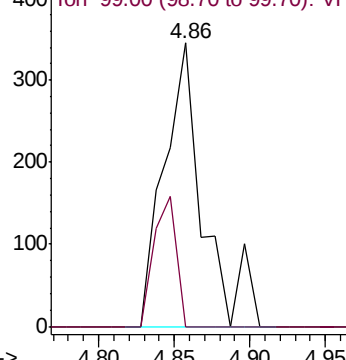
Ion Ratio Lower Upper

168 100

99 0.0 34.9 52.3#



Abundance Ion 168.00 (167.70 to 168.70): VF0



#3

Chloromethane

Concen: 23.922 ug/l

RT: 1.12 min Scan# 50

Delta R.T. 0.02 min

Lab File: VF061798.D

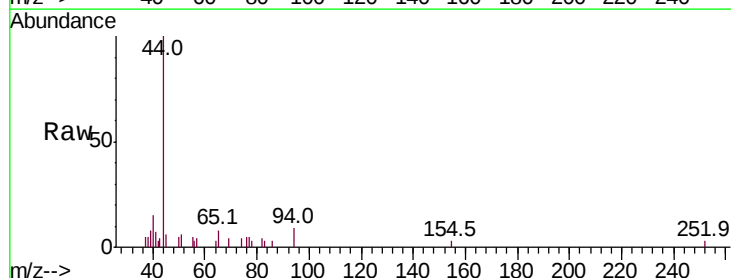
Acq: 28 Feb 2019 20:16

Tgt Ion: 50 Resp: 179

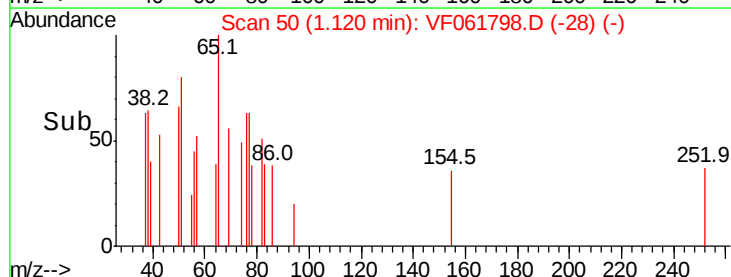
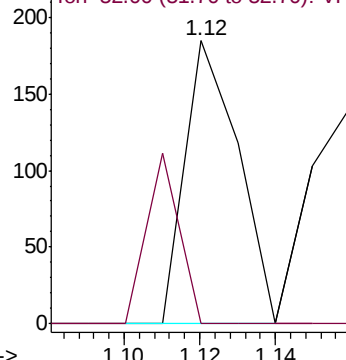
Ion Ratio Lower Upper

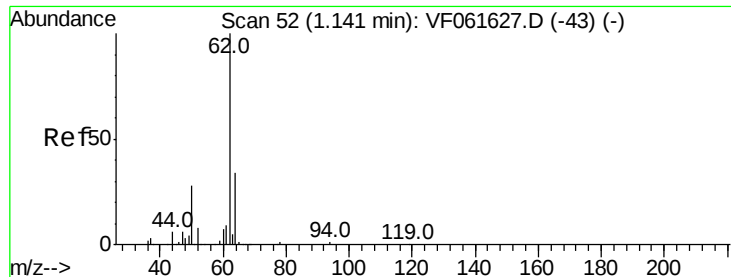
50 100

52 0.0 26.2 39.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0





#4

Vinyl Chloride

Concen: 8.913 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF061798.D

Acq: 28 Feb 2019 20:16

Instrument :

MSVOA_F

ClientSampleId :

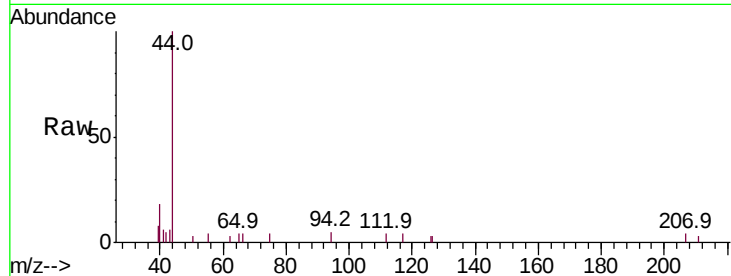
OR-03-022719-ARE

Tot Ion: 62 Resp: 62

Ion Ratio Lower Upper

62 100

64 0.0 27.5 41.3#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

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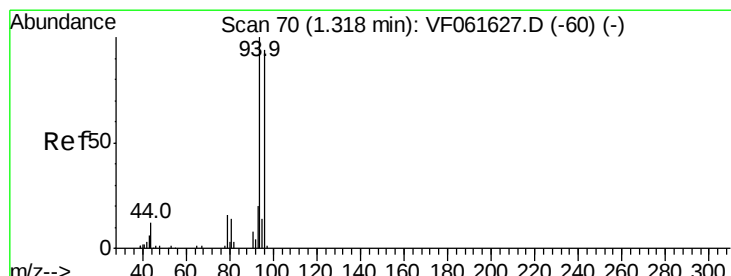
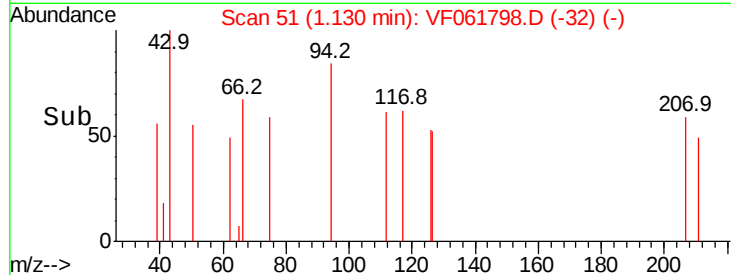
1.13

1.13

1.13

1.13

1.13



#5

Bromomethane

Concen: 63.500 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VF061798.D

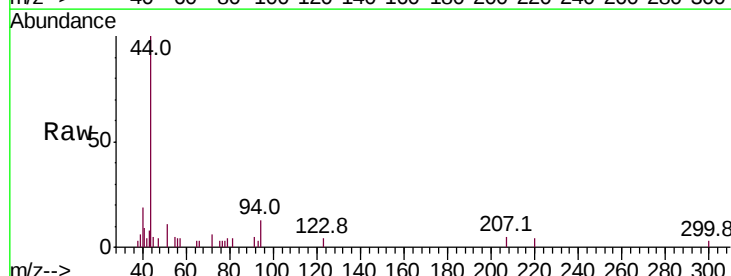
Acq: 28 Feb 2019 20:16

Tgt Ion: 94 Resp: 304

Ion Ratio Lower Upper

94 100

96 0.0 74.6 112.0#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.32

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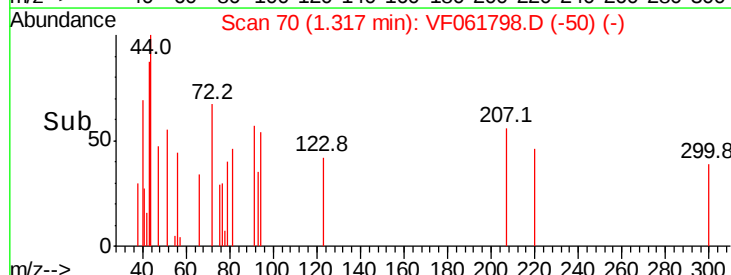
1.32

1.32

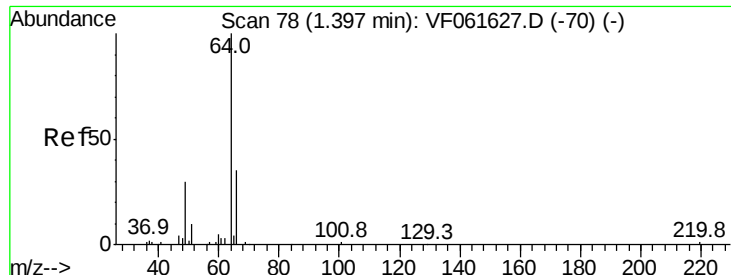
1.32

1.32

1.32



Time-->



#6

Chloroethane

Concen: 35.298 ug/l

RT: 1.41 min Scan# 79

Delta R.T. 0.01 min

Lab File: VF061798.D

Acq: 28 Feb 2019 20:16

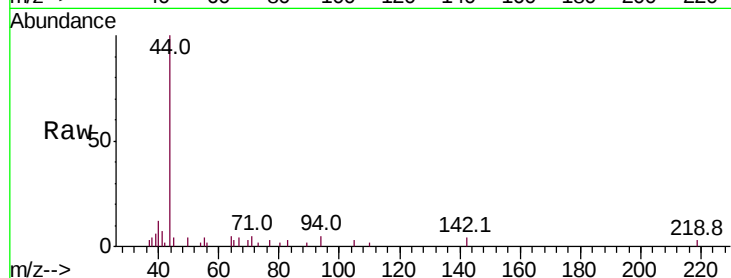
Instrument :
MSVOA_F
ClientSampleId :
OR-03-022719-ARE

Tot Ion: 64 Resp: 121

Ion Ratio Lower Upper

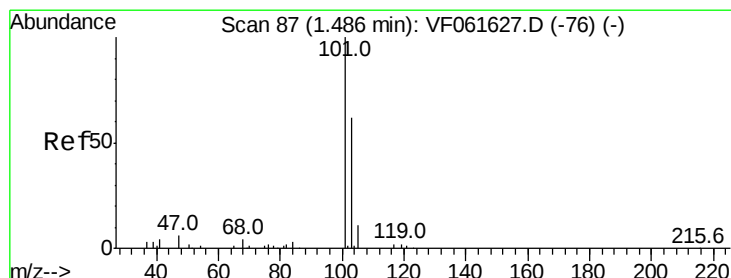
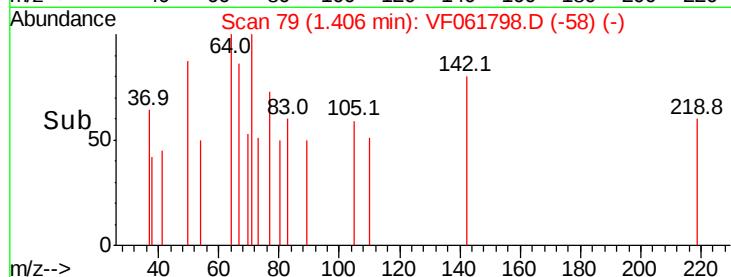
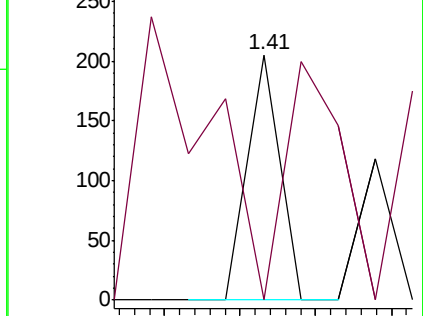
64 100

66 0.0 27.9 41.9#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



#7

Trichlorofluoromethane

Concen: 9.416 ug/l

RT: 1.54 min Scan# 93

Delta R.T. 0.06 min

Lab File: VF061798.D

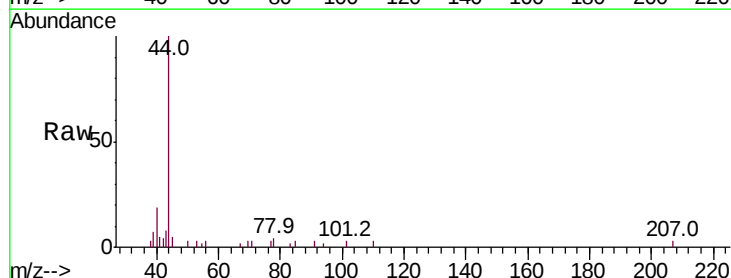
Acq: 28 Feb 2019 20:16

Tgt Ion: 101 Resp: 79

Ion Ratio Lower Upper

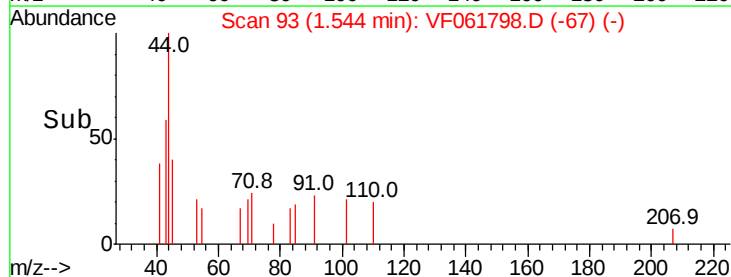
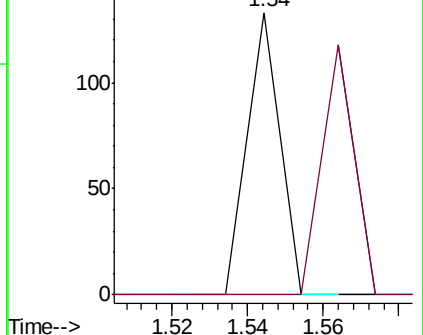
101 100

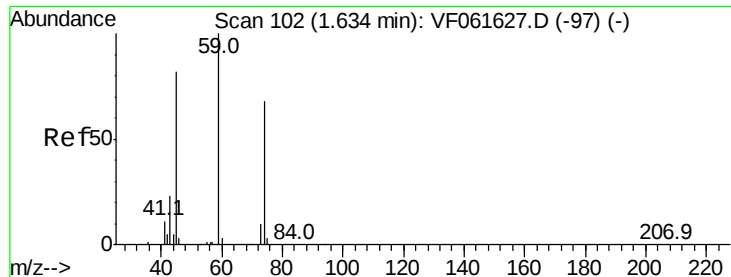
103 0.0 49.3 73.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#8

Diethyl Ether

Concen: 35.000 ug/l

RT: 1.61 min Scan# 100

Delta R.T. -0.02 min

Lab File: VF061798.D

Acq: 28 Feb 2019 20:16

Instrument :

MSVOA_F

ClientSampleId :

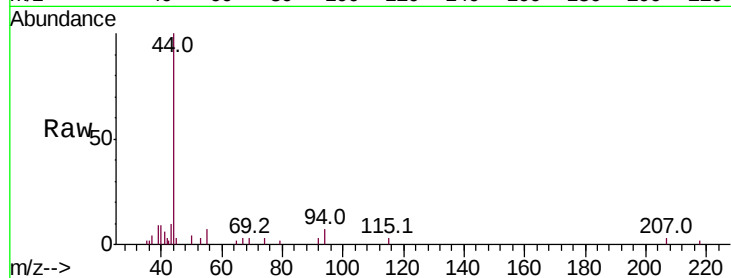
OR-03-022719-ARE

Tot Ion: 74 Resp: 74

Ion Ratio Lower Upper

74 100

45 114.4 60.8 182.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

300

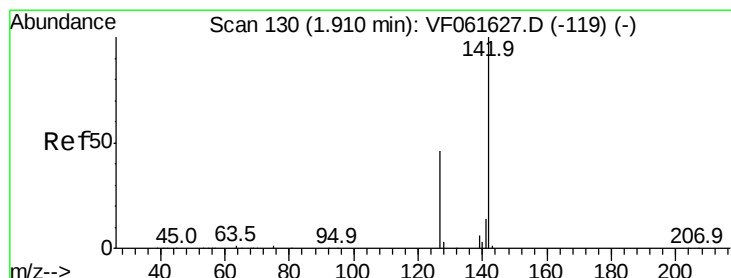
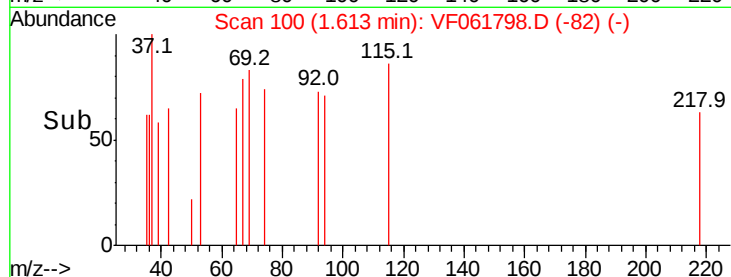
200

100

0

1.60 1.62 1.64

Time-->



#10

Methyl Iodide

Concen: 5.363 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.10 min

Lab File: VF061798.D

Acq: 28 Feb 2019 20:16

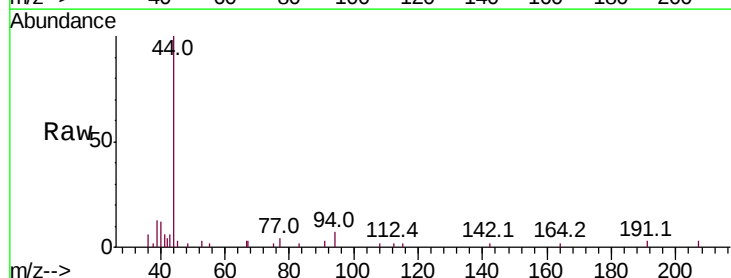
Tgt Ion: 142 Resp: 62

Ion Ratio Lower Upper

142 100

127 0.0 36.6 55.0#

141 0.0 11.0 16.6#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

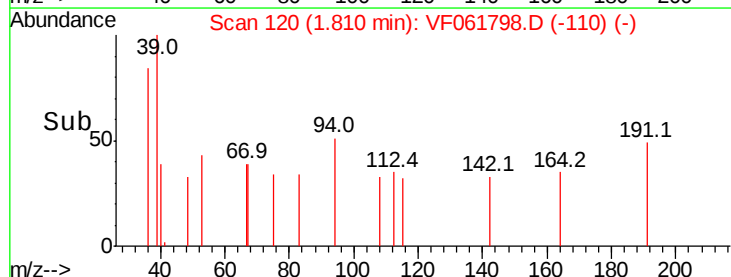
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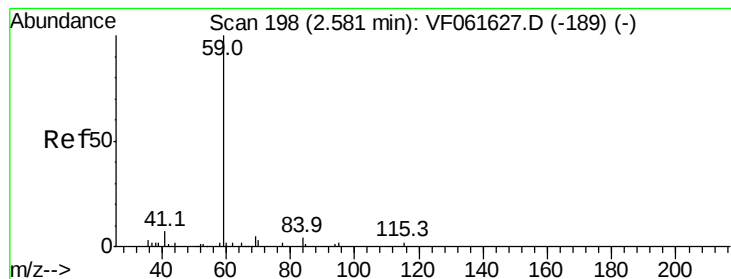
50

0

1.78 1.80 1.82 1.84

Time-->



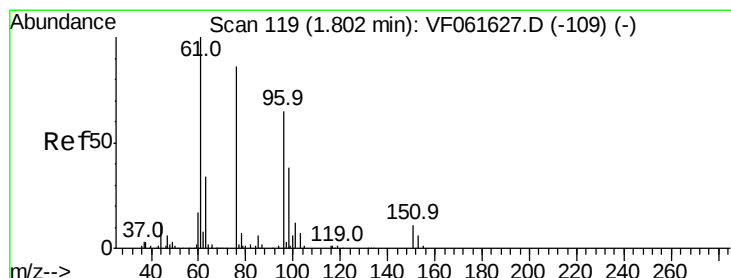
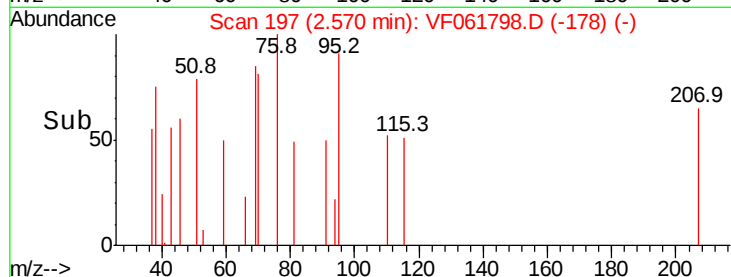
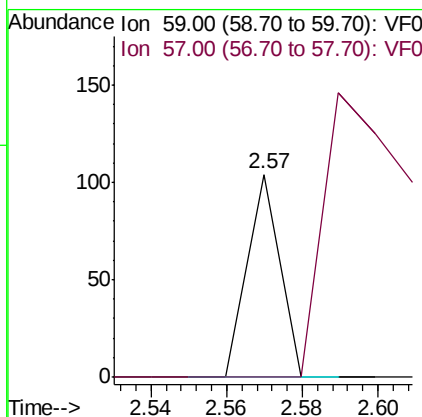
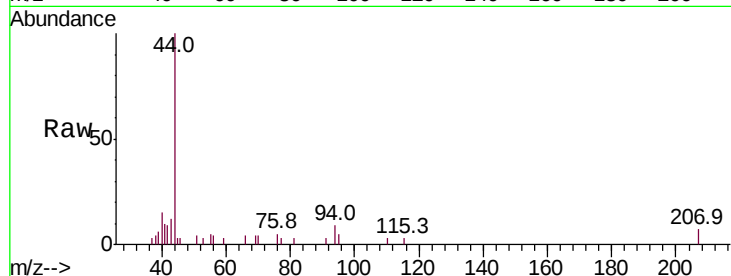


#11

Tert butyl alcohol
 Concen: 235.249 ug/l
 RT: 2.57 min Scan# 197
 Delta R.T. -0.01 min
 Lab File: VF061798.D
 Acq: 28 Feb 2019 20:16

Instrument :
 MSVOA_F
 ClientSampleId :
 OR-03-022719-ARE

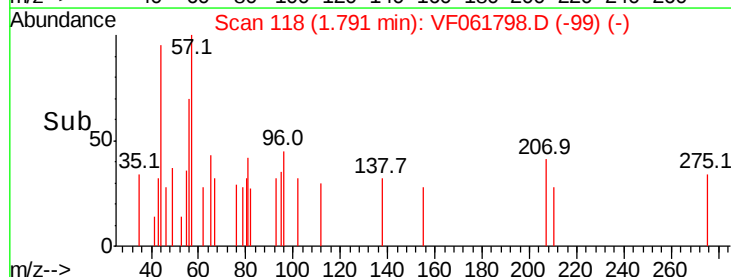
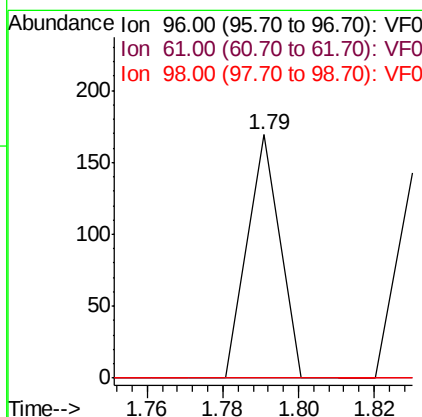
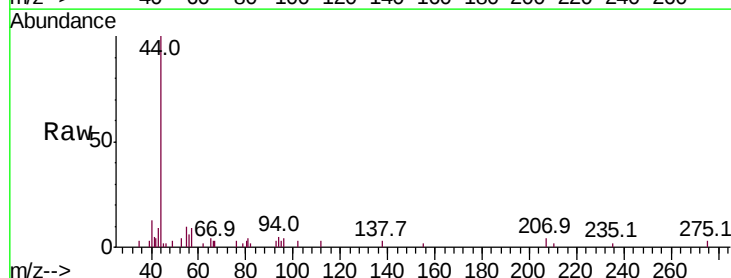
Tot Ion: 59 Resp: 62
 Ion Ratio Lower Upper
 59 100
 57 0.0 12.5 18.7#

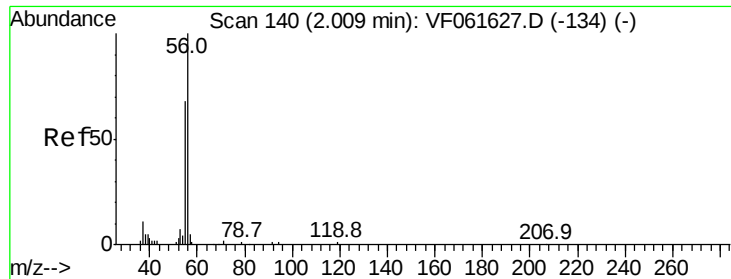


#12

1,1-Dichloroethene
 Concen: 18.792 ug/l
 RT: 1.79 min Scan# 118
 Delta R.T. -0.01 min
 Lab File: VF061798.D
 Acq: 28 Feb 2019 20:16

Tgt Ion: 96 Resp: 100
 Ion Ratio Lower Upper
 96 100
 61 0.0 122.6 184.0#
 98 0.0 47.2 70.8#





#13

Acrolein

Concen: 1201.562 ug/l

RT: 2.11 min Scan# 150

Delta R.T. 0.10 min

Lab File: VF061798.D

Acq: 28 Feb 2019 20:16

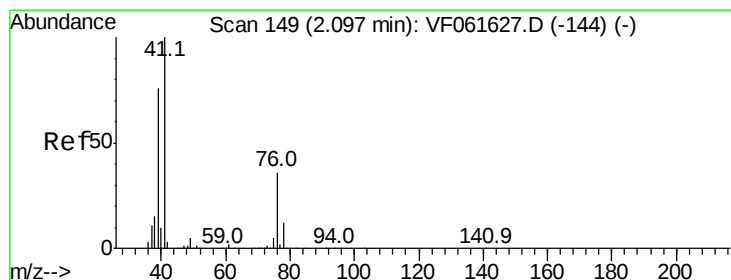
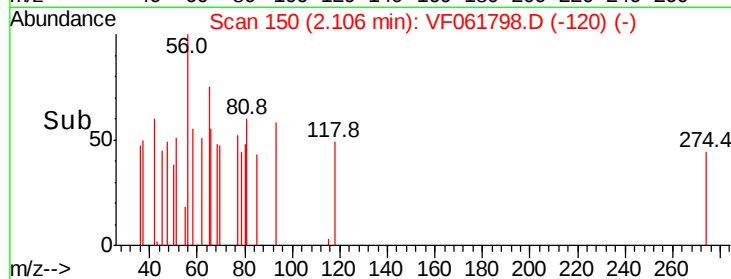
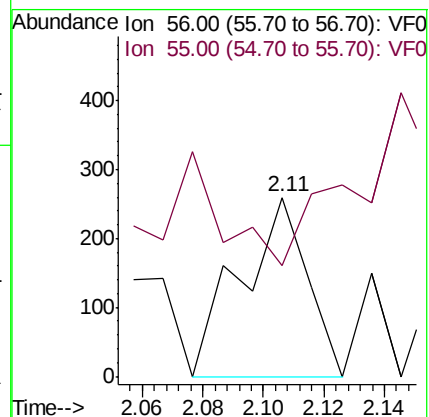
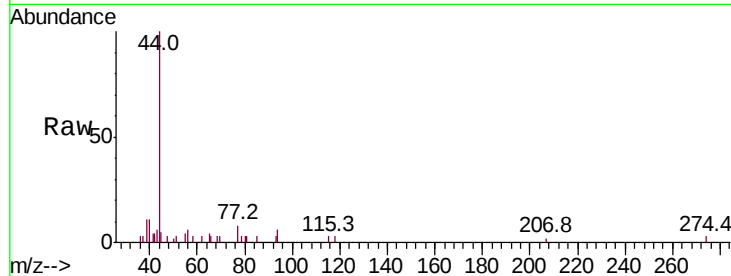
Instrument :
MSVOA_F
ClientSampleId :
OR-03-022719-ARE

Tot Ion: 56 Resp: 398

Ion Ratio Lower Upper

56 100

55 61.5 55.0 82.6



#14

Allyl chloride

Concen: 114.244 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.02 min

Lab File: VF061798.D

Acq: 28 Feb 2019 20:16

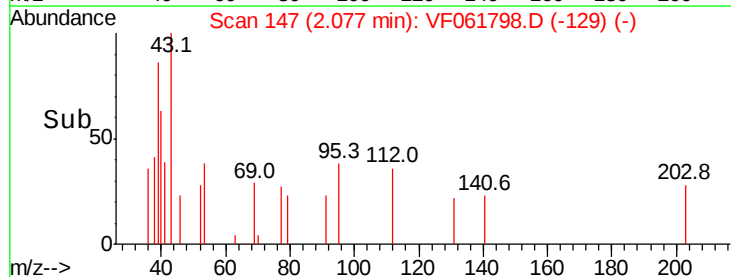
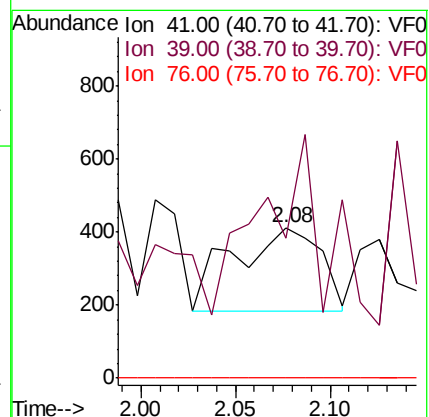
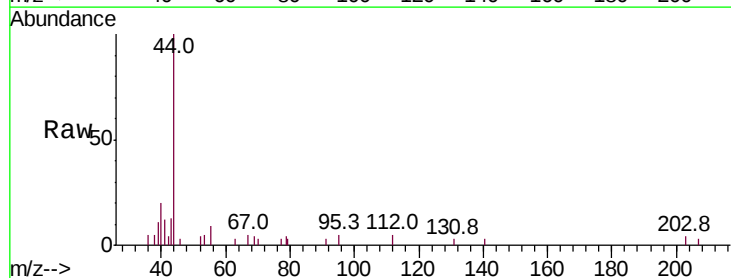
Tgt Ion: 41 Resp: 746

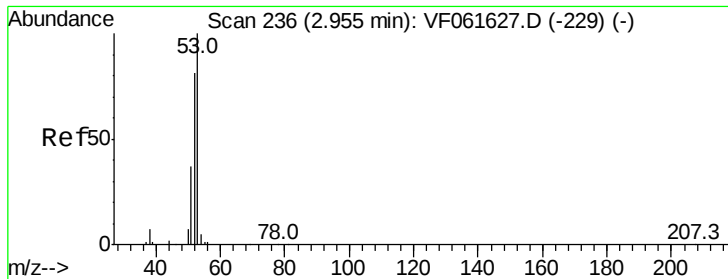
Ion Ratio Lower Upper

41 100

39 93.0 61.6 92.4#

76 0.0 30.3 45.5#





#15

Acrylonitrile

Concen: 272.779 ug/l

RT: 2.93 min Scan# 234

Delta R.T. -0.02 min

Lab File: VF061798.D

Acq: 28 Feb 2019 20:16

Instrument :

MSVOA_F

ClientSampleId :

OR-03-022719-ARE

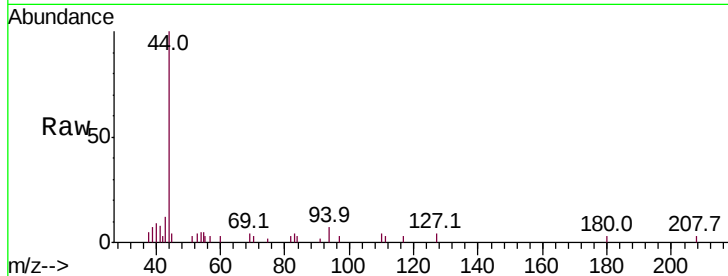
Tot Ion: 53 Resp: 255

Ion Ratio Lower Upper

53 100

52 0.0 64.6 97.0#

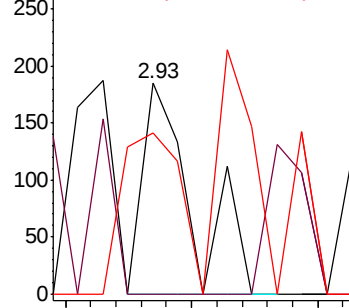
51 76.2 29.8 44.8#



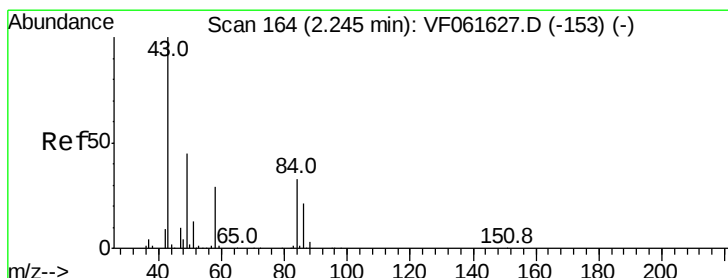
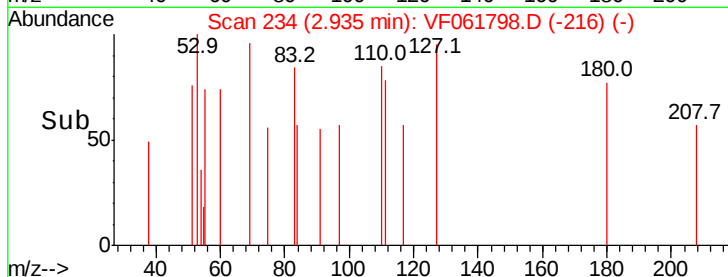
Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



Time-->



#16

Acetone

Concen: 856.652 ug/l

RT: 2.15 min Scan# 154

Delta R.T. -0.10 min

Lab File: VF061798.D

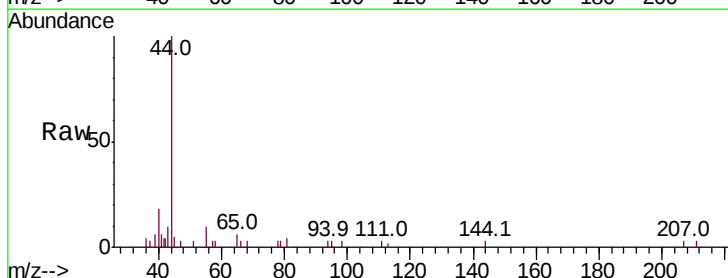
Acq: 28 Feb 2019 20:16

Tgt Ion: 43 Resp: 837

Ion Ratio Lower Upper

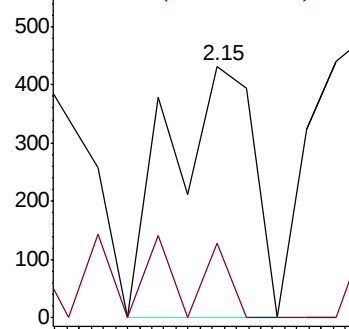
43 100

58 29.9 22.9 34.3

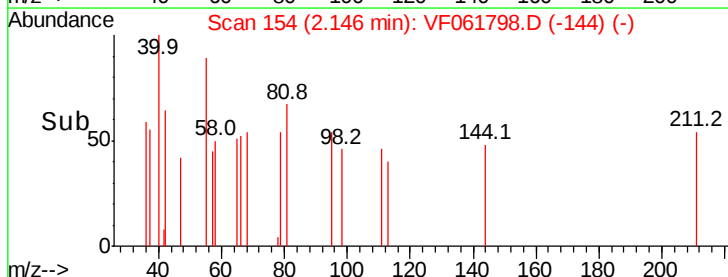


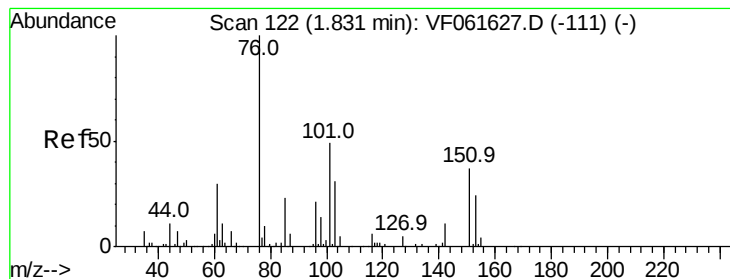
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->





#17

Carbon Disulfide

Concen: 4.783 ug/l

RT: 1.84 min Scan# 123

Delta R.T. 0.01 min

Lab File: VF061798.D

Acq: 28 Feb 2019 20:16

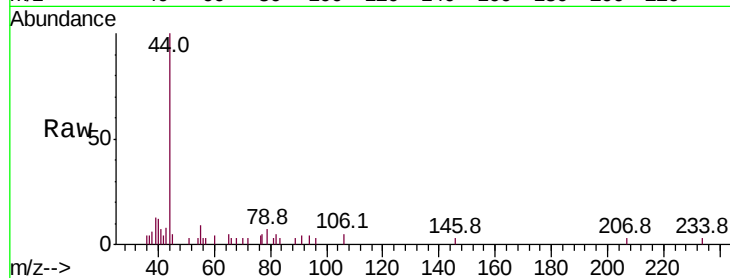
Instrument :
MSVOA_F
ClientSampleId :
OR-03-022719-ARE

Tot Ion: 76 Resp: 80

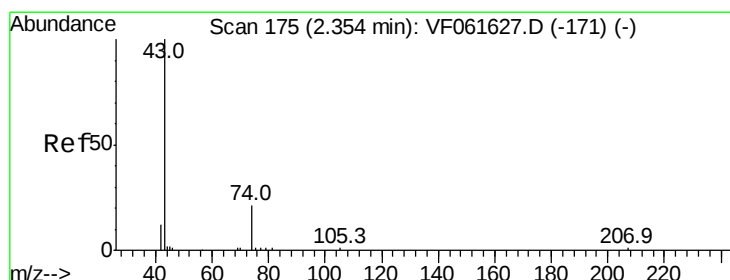
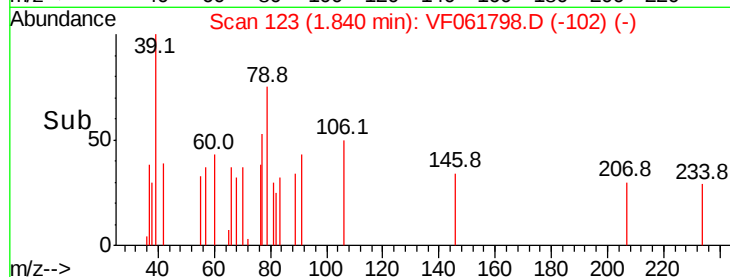
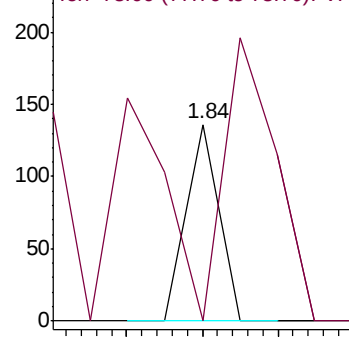
Ion Ratio Lower Upper

76 100

78 0.0 7.9 11.9#



Abundance Ion 76.00 (75.70 to 76.70): VF0
Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 218.075 ug/l

RT: 2.35 min Scan# 175

Delta R.T. -0.00 min

Lab File: VF061798.D

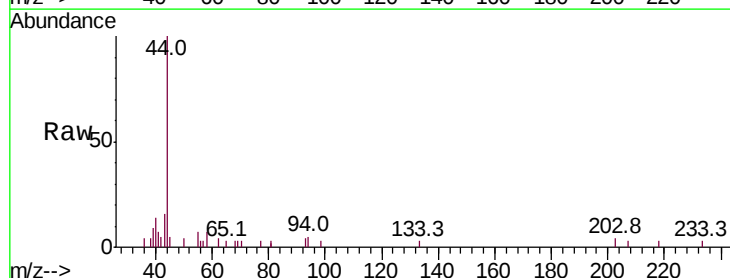
Acq: 28 Feb 2019 20:16

Tgt Ion: 43 Resp: 480

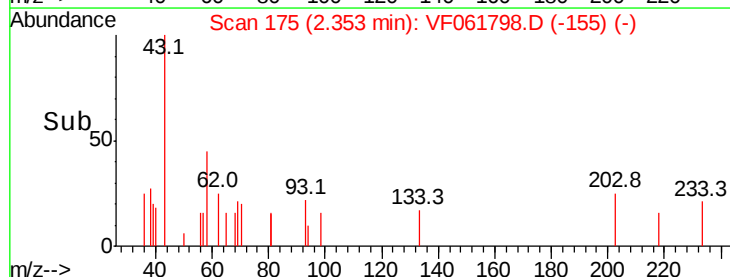
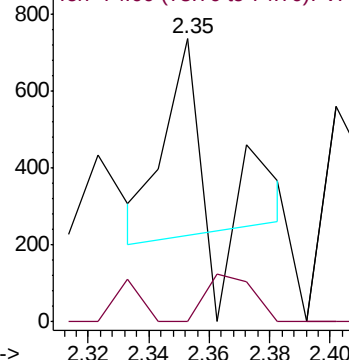
Ion Ratio Lower Upper

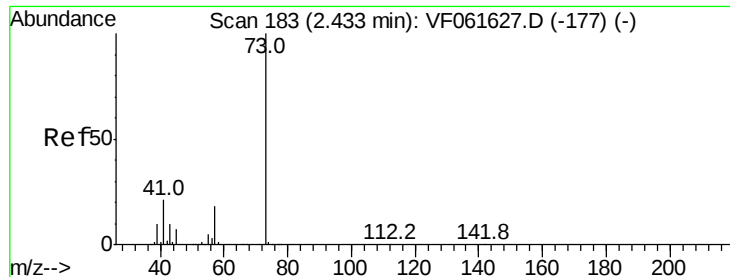
43 100

74 0.0 14.6 21.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 74.00 (73.70 to 74.70): VF0



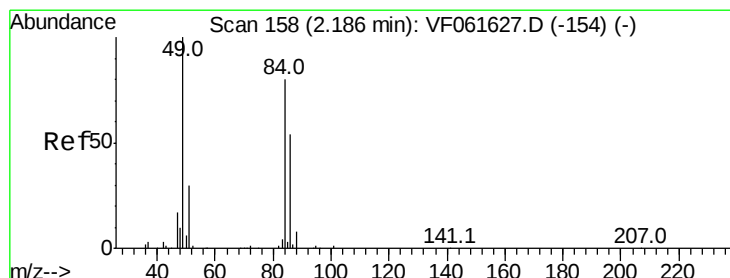
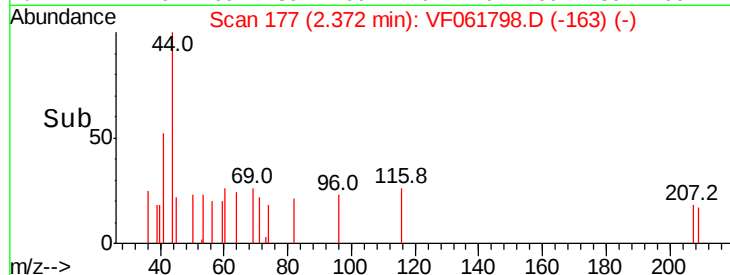
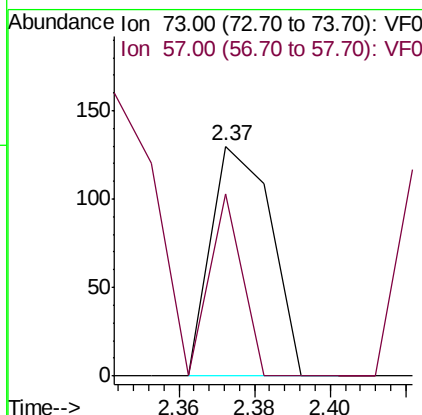
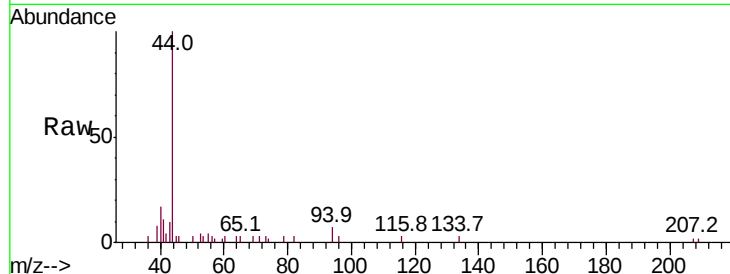


#19

Methyl tert-butyl Ether
 Concen: 15.504 ug/l
 RT: 2.37 min Scan# 177
 Delta R.T. -0.06 min
 Lab File: VF061798.D
 Acq: 28 Feb 2019 20:16

Instrument :
 MSVOA_F
 ClientSampleId :
 OR-03-022719-ARE

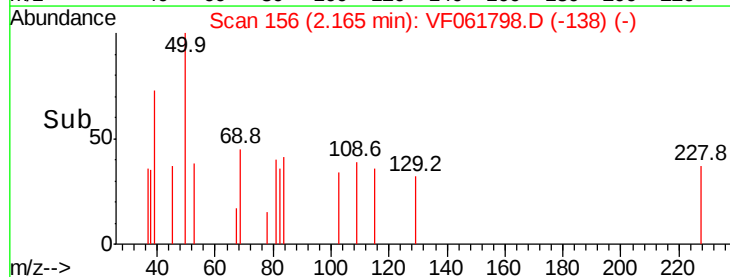
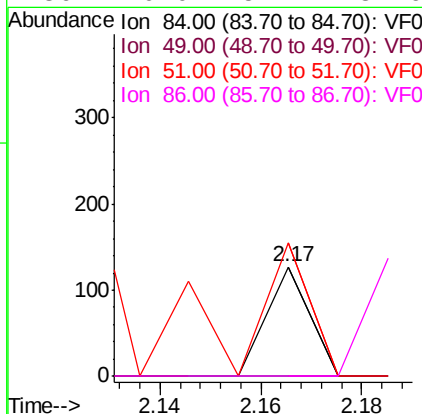
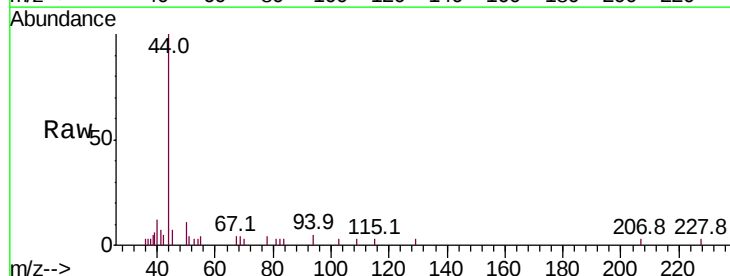
Tot Ion: 73 Resp: 141
 Ion Ratio Lower Upper
 73 100
 57 79.2 15.8 23.8#

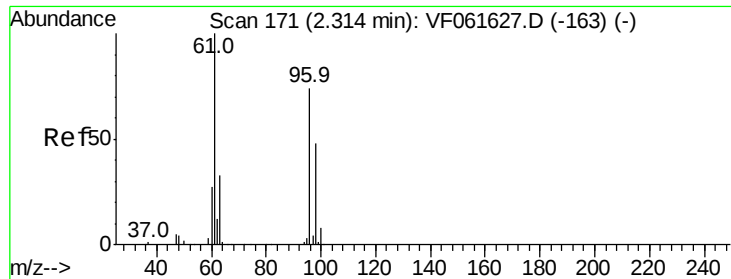


#20

Methylene Chloride
 Concen: 12.431 ug/l
 RT: 2.17 min Scan# 156
 Delta R.T. -0.02 min
 Lab File: VF061798.D
 Acq: 28 Feb 2019 20:16

Tgt Ion: 84 Resp: 75
 Ion Ratio Lower Upper
 84 100
 49 0.0 101.8 152.8#
 51 122.0 31.1 46.7#
 86 0.0 54.4 81.6#





#21

trans-1,2-Dichloroethene

Concen: 26.103 ug/l

RT: 2.31 min Scan# 171

Delta R.T. -0.00 min

Lab File: VF061798.D

Acq: 28 Feb 2019 20:16

Instrument :

MSVOA_F

ClientSampleId :

OR-03-022719-ARE

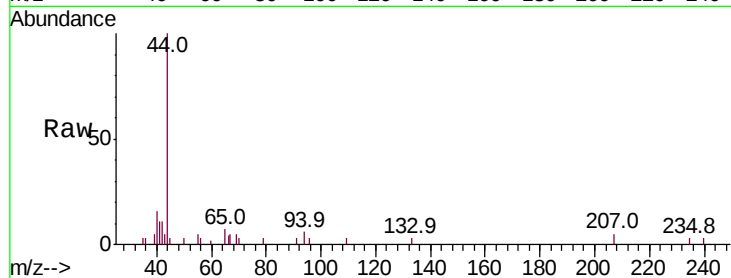
Tot Ion: 96 Resp: 151

Ion Ratio Lower Upper

96 100

61 0.0 108.2 162.4#

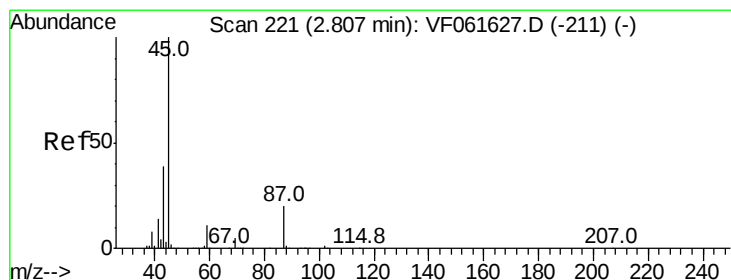
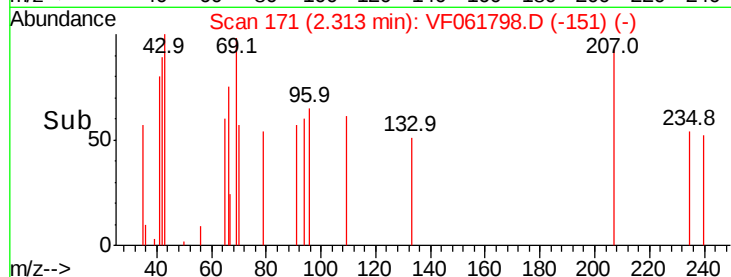
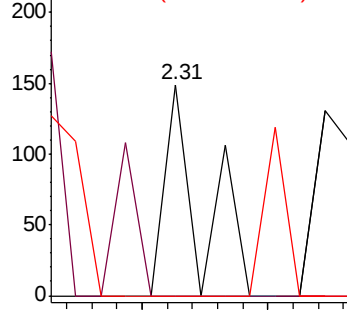
98 0.0 52.2 78.2#



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 13.972 ug/l

RT: 2.78 min Scan# 218

Delta R.T. -0.03 min

Lab File: VF061798.D

Acq: 28 Feb 2019 20:16

Tgt Ion: 45 Resp: 219

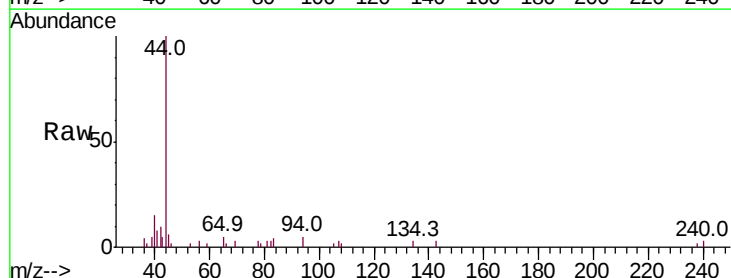
Ion Ratio Lower Upper

45 100

43 85.0 31.4 47.2#

87 0.0 16.3 24.5#

59 40.1 8.7 13.1#

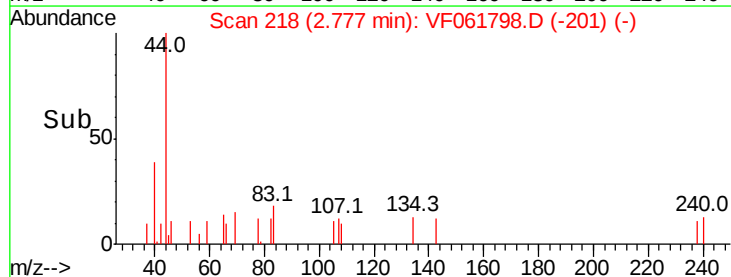
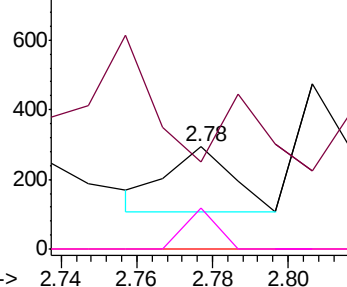


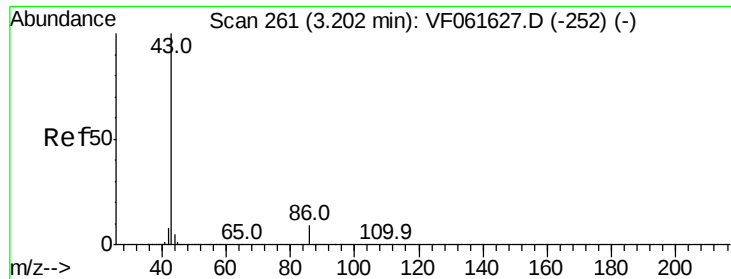
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 47.284 ug/l

RT: 3.19 min Scan# 260

Delta R.T. -0.01 min

Lab File: VF061798.D

Acq: 28 Feb 2019 20:16

Instrument :

MSVOA_F

ClientSampleId :

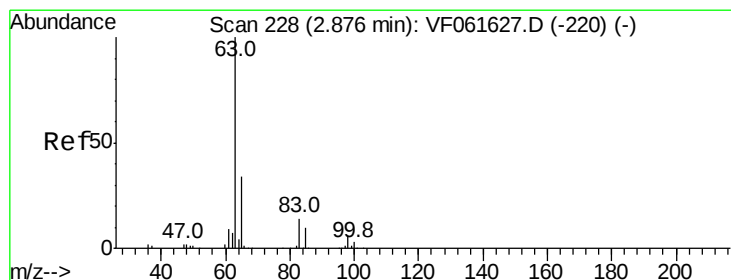
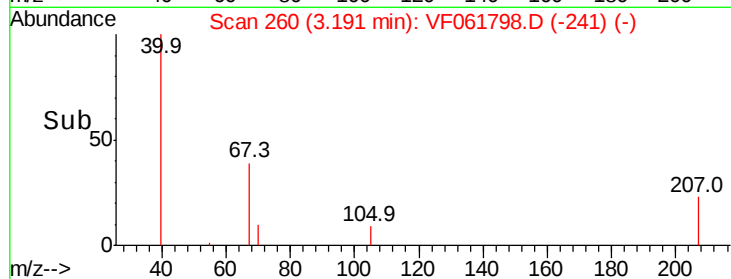
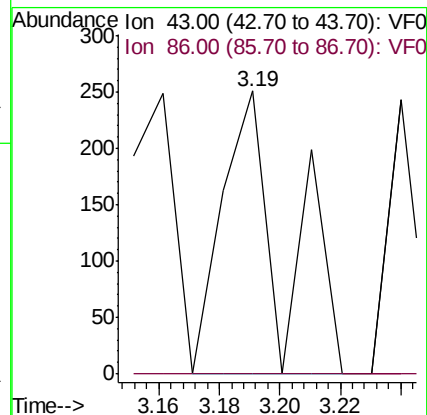
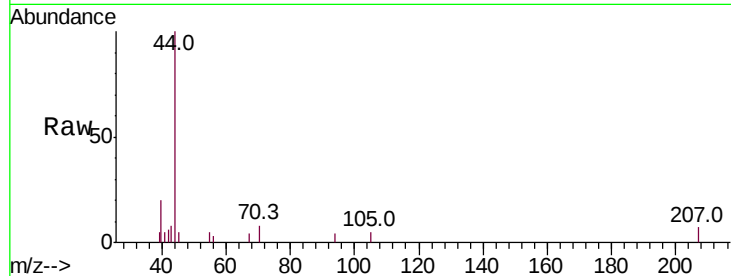
OR-03-022719-ARE

Tot Ion: 43 Resp: 362

Ion Ratio Lower Upper

43 100

86 0.0 7.5 11.3#



#24

1,1-Dichloroethane

Concen: 6.325 ug/l

RT: 2.88 min Scan# 228

Delta R.T. -0.00 min

Lab File: VF061798.D

Acq: 28 Feb 2019 20:16

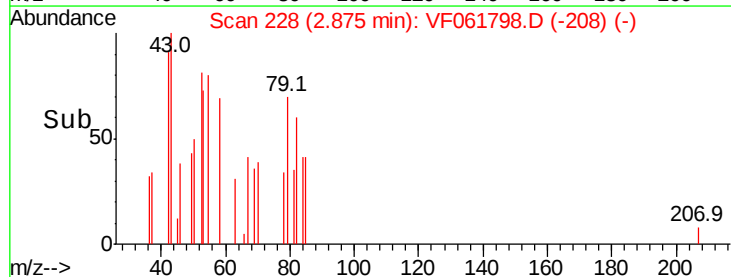
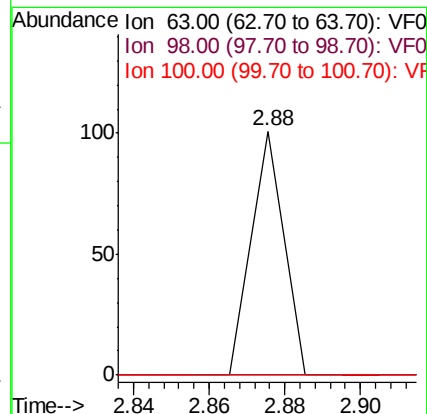
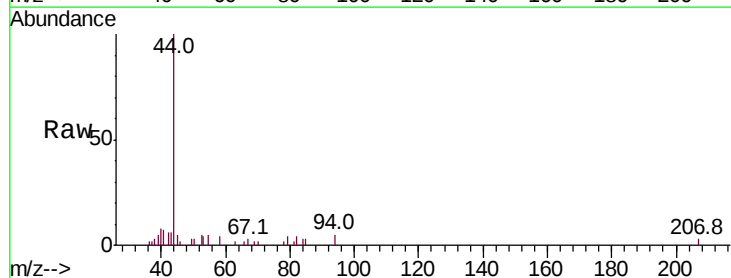
Tgt Ion: 63 Resp: 60

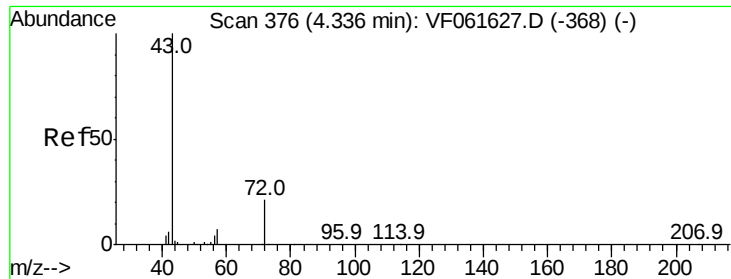
Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.3#

100 0.0 1.8 5.4#





#25

2-Butanone

Concen: 158.373 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.06 min

Lab File: VF061798.D

Acq: 28 Feb 2019 20:16

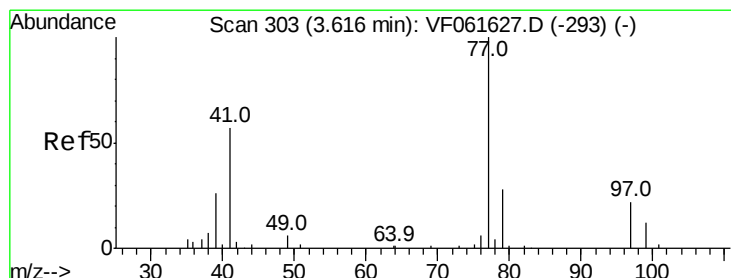
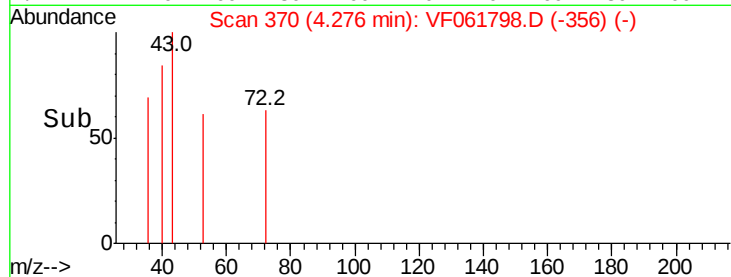
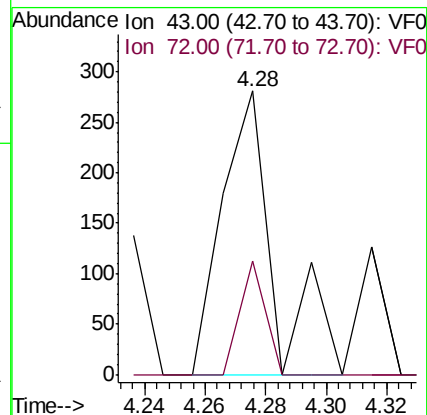
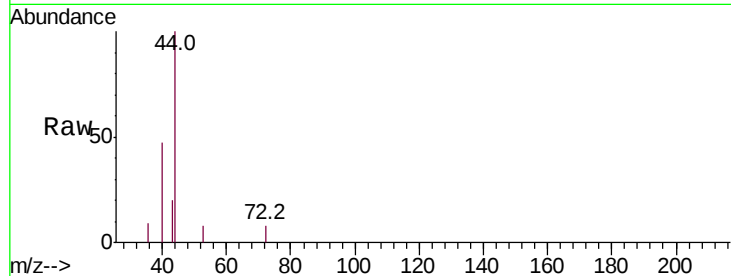
Instrument :
MSVOA_F
ClientSampleId :
OR-03-022719-ARE

Tot Ion: 43 Resp: 338

Ion Ratio Lower Upper

43 100

72 39.9 17.1 25.7#



#26

2,2-Dichloropropane

Concen: 110.505 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.03 min

Lab File: VF061798.D

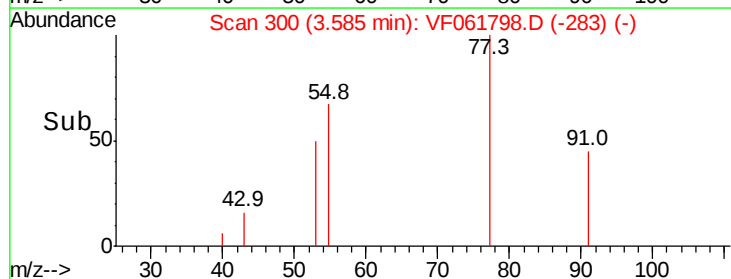
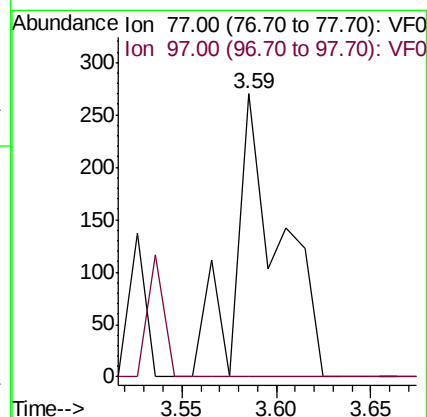
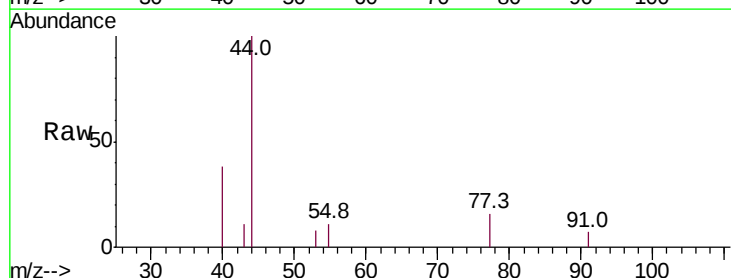
Acq: 28 Feb 2019 20:16

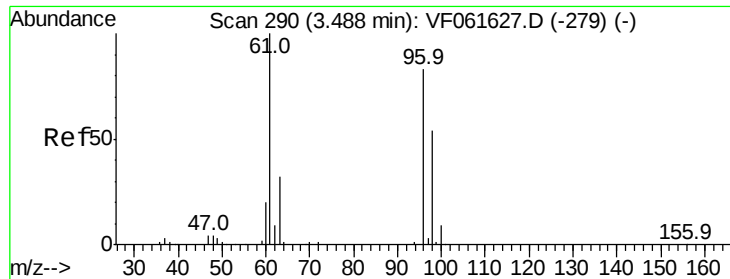
Tgt Ion: 77 Resp: 444

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#



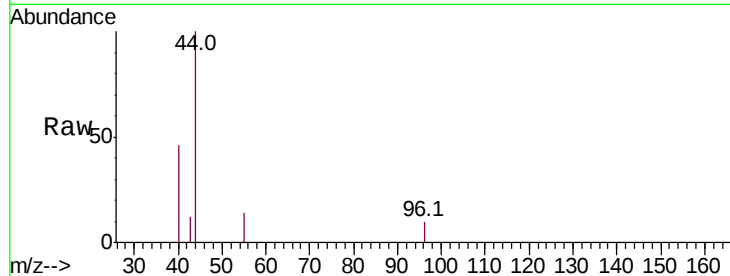


#27

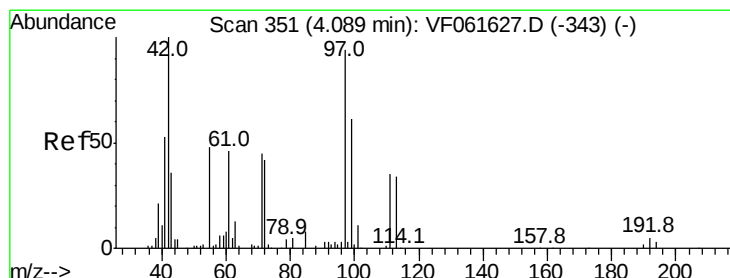
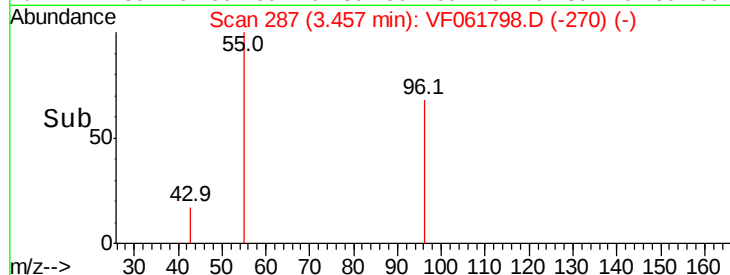
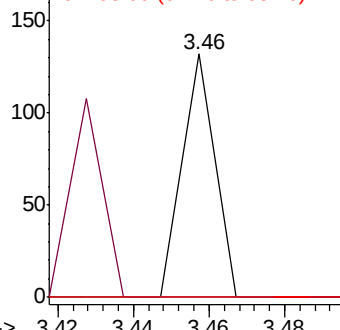
cis-1,2-Dichloroethene
Concen: 10.273 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.03 min
Lab File: VF061798.D
Acq: 28 Feb 2019 20:16

Instrument :
MSVOA_F
ClientSampleId :
OR-03-022719-ARE

Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	241.6
98	0.0	0.0	130.2



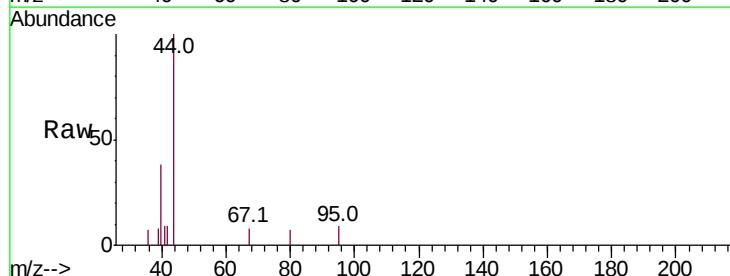
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



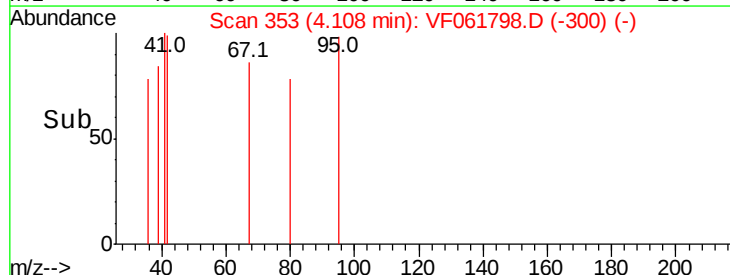
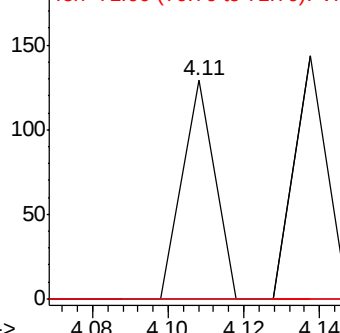
#29

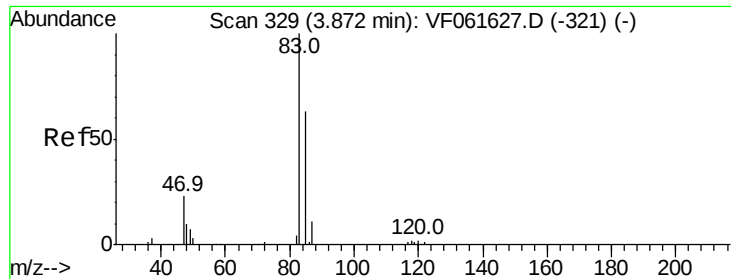
Tetrahydrofuran
Concen: 78.349 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.02 min
Lab File: VF061798.D
Acq: 28 Feb 2019 20:16

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.2	52.8#
71	0.0	32.9	49.3#



Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

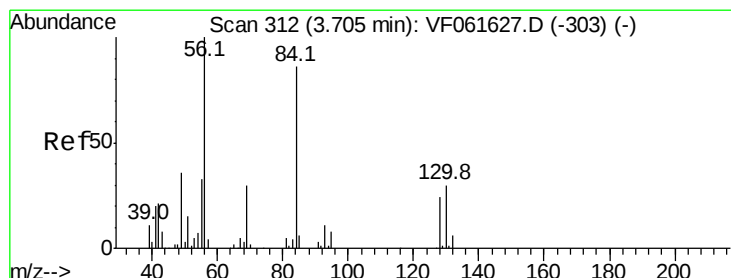
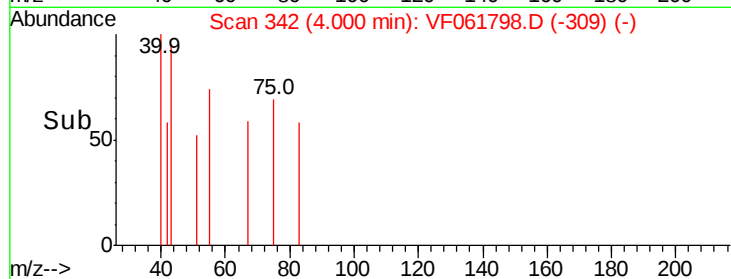
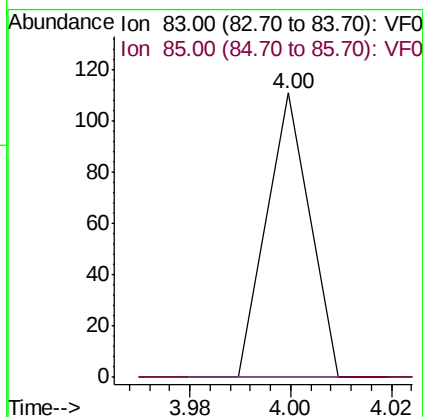
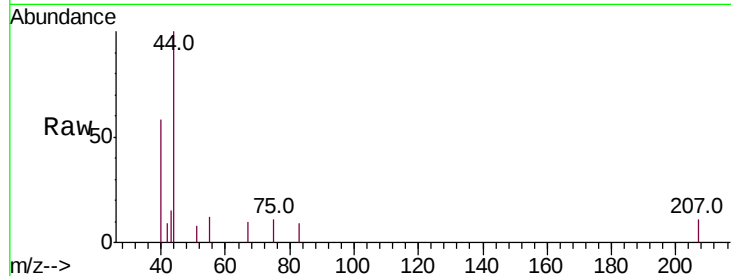




#30
Chloroform
Concen: 6.118 ug/l
RT: 4.00 min Scan# 342
Delta R.T. 0.13 min
Lab File: VF061798.D
Acq: 28 Feb 2019 20:16

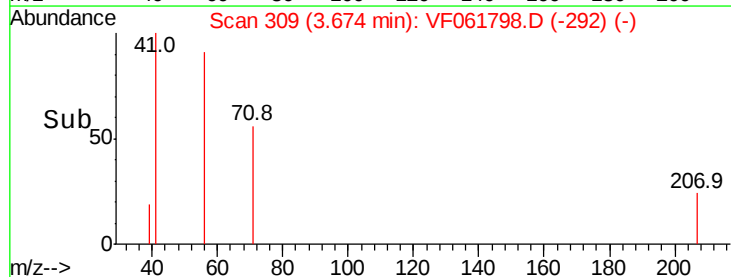
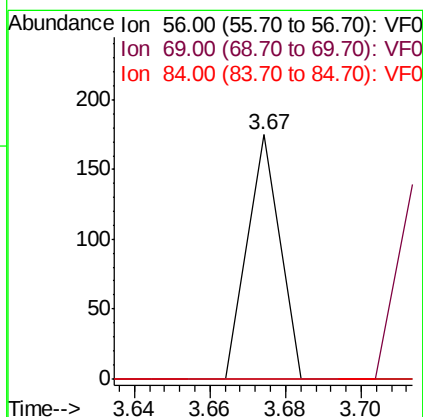
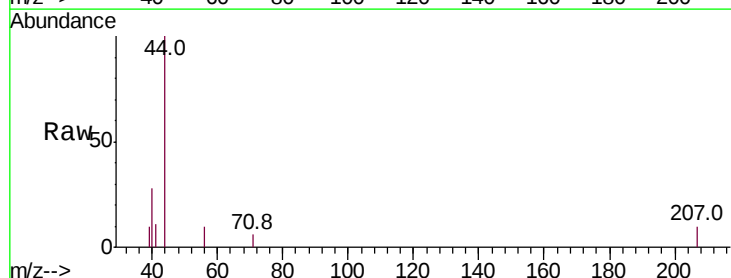
Instrument :
MSVOA_F
ClientSampleId :
OR-03-022719-ARE

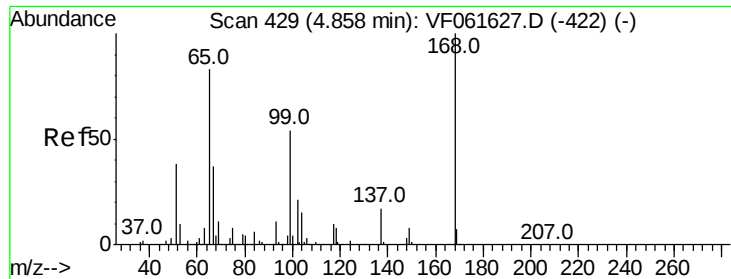
Tot Ion: 83 Resp: 66
Ion Ratio Lower Upper
83 100
85 0.0 51.1 76.7#



#31
Cyclohexane
Concen: 10.128 ug/l
RT: 3.67 min Scan# 309
Delta R.T. -0.03 min
Lab File: VF061798.D
Acq: 28 Feb 2019 20:16

Tgt Ion: 56 Resp: 104
Ion Ratio Lower Upper
56 100
69 0.0 23.8 35.8#
84 0.0 68.6 103.0#





#33

1,2-Dichloroethane-d4

Concen: 15.152 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.03 min

Lab File: VF061798.D

Acq: 28 Feb 2019 20:16

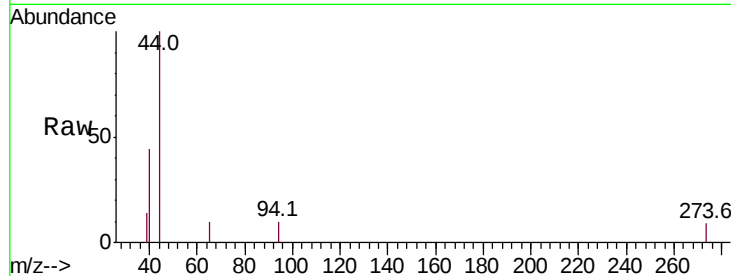
Instrument :
MSVOA_F
ClientSampleId :
OR-03-022719-ARE

Tot Ion: 65 Resp: 69

Ion Ratio Lower Upper

65 100

67 0.0 0.0 104.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

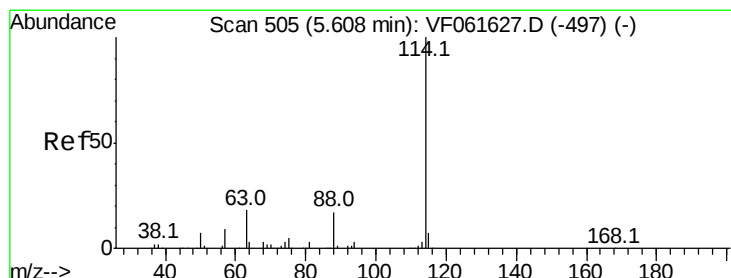
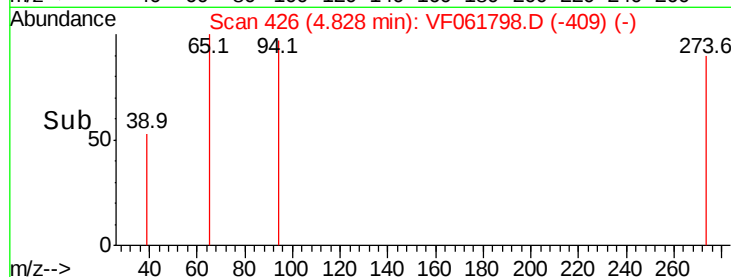
4.83

100

50

0

Time--> 4.81 4.82 4.83 4.84



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.02 min

Lab File: VF061798.D

Acq: 28 Feb 2019 20:16

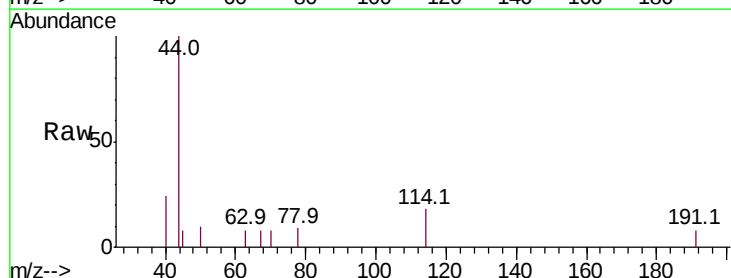
Tgt Ion: 114 Resp: 681

Ion Ratio Lower Upper

114 100

63 45.1 0.0 36.6#

88 0.0 0.0 34.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

300

250

200

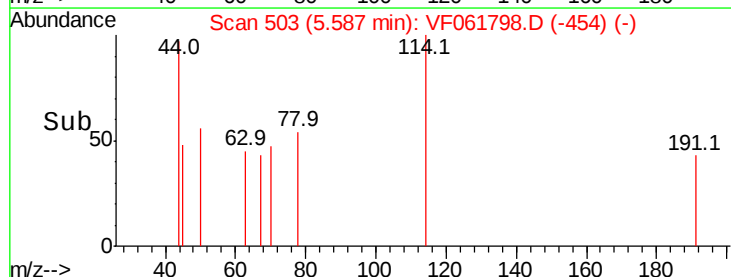
150

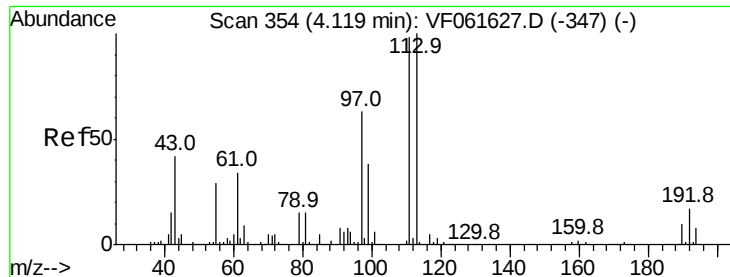
100

50

0

Time--> 5.50 5.55 5.60 5.65





#35

Dibromofluoromethane

Concen: 15.226 ug/l

RT: 4.24 min Scan# 366

Delta R.T. 0.12 min

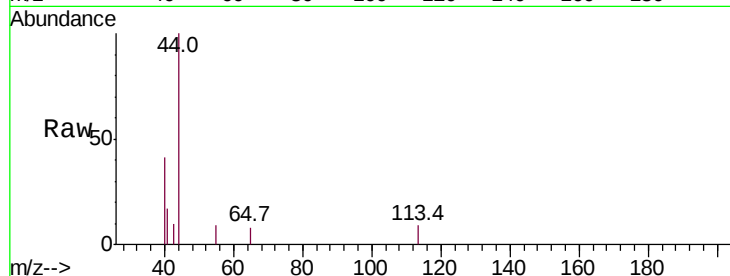
Lab File: VF061798.D

Acq: 28 Feb 2019 20:16

Instrument :
MSVOA_F
ClientSampleId :
OR-03-022719-ARE

Tot Ion:113 Resp: 77

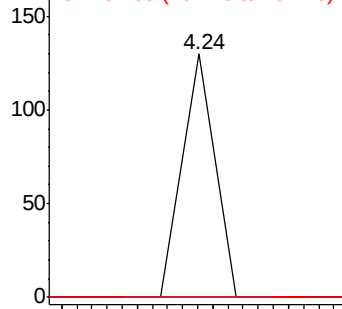
Ion	Ratio	Lower	Upper
113	100		
111	0.0	78.8	118.2#
192	0.0	13.4	20.0#



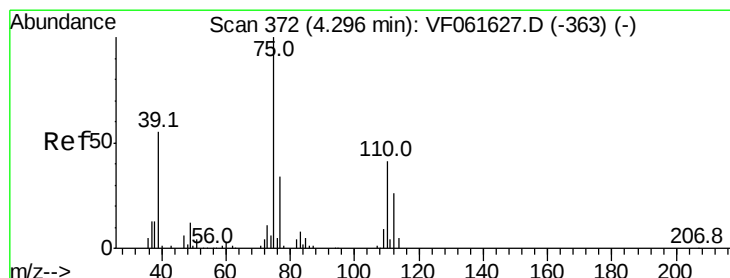
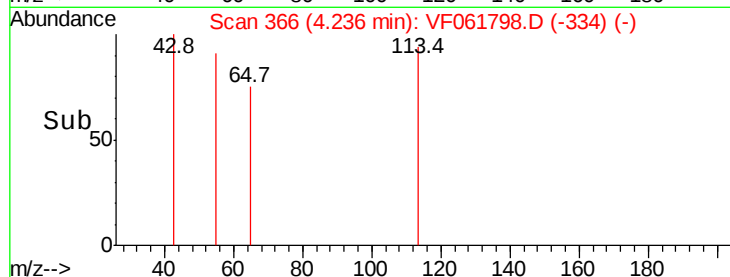
Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



Time-->



#36

1,1-Dichloropropene

Concen: 11.117 ug/l

RT: 4.13 min Scan# 355

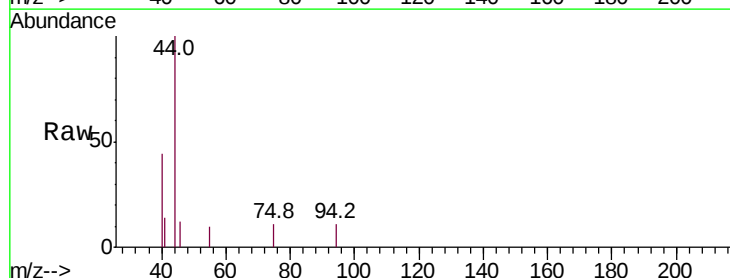
Delta R.T. -0.17 min

Lab File: VF061798.D

Acq: 28 Feb 2019 20:16

Tgt Ion: 75 Resp: 75

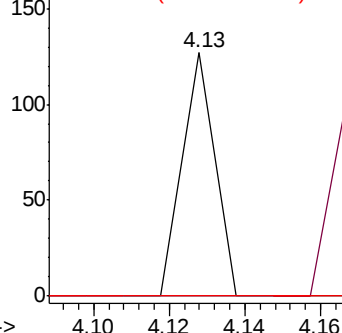
Ion	Ratio	Lower	Upper
75	100		
110	0.0	20.5	61.6#
77	0.0	27.0	40.4#



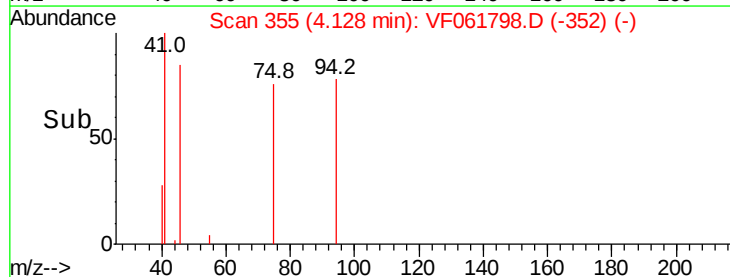
Abundance Ion 75.00 (74.70 to 75.70): VF0

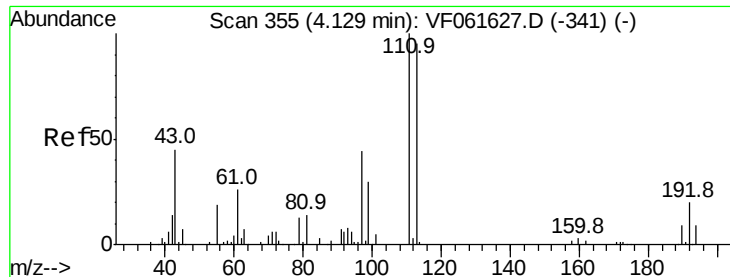
Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0



Time-->





#37

Ethyl Acetate

Concen: 19.148 ug/l

RT: 4.14 min Scan# 356

Delta R.T. 0.01 min

Lab File: VF061798.D

Acq: 28 Feb 2019 20:16

Instrument :
MSVOA_F
ClientSampleId :
OR-03-022719-ARE

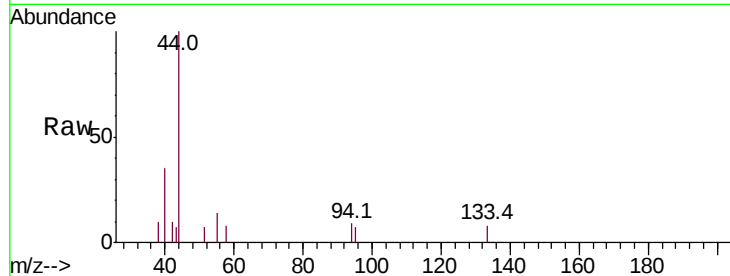
Tot Ion: 43 Resp: 60

Ion Ratio Lower Upper

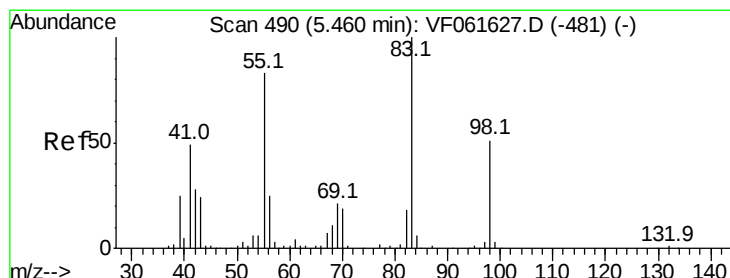
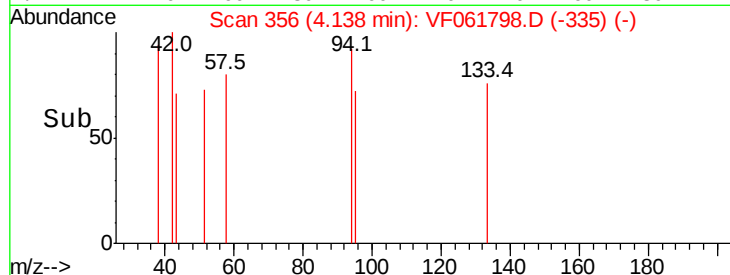
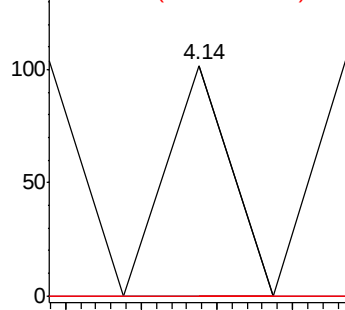
43 100

61 0.0 45.7 68.5#

70 0.0 8.5 12.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0



#39

Methylcyclohexane

Concen: 7.395 ug/l

RT: 5.47 min Scan# 491

Delta R.T. 0.01 min

Lab File: VF061798.D

Acq: 28 Feb 2019 20:16

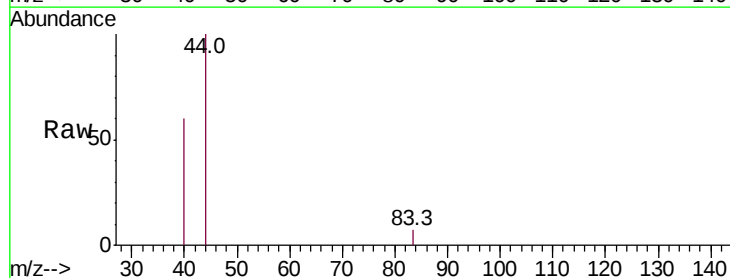
Tgt Ion: 83 Resp: 59

Ion Ratio Lower Upper

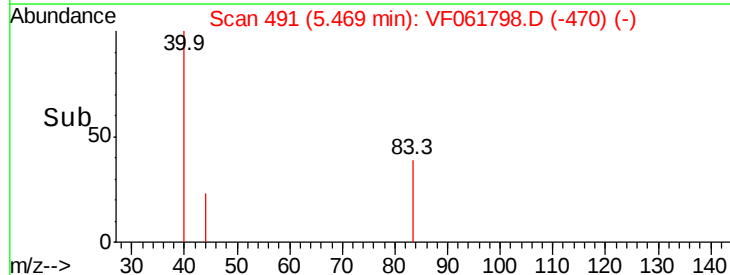
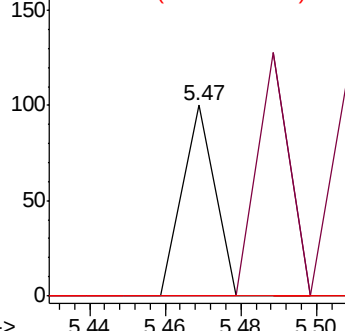
83 100

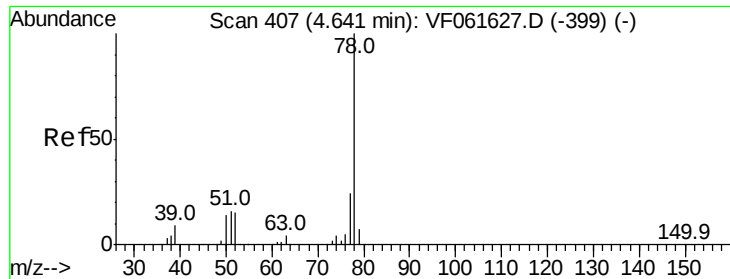
55 0.0 66.6 99.8#

98 0.0 40.4 60.6#



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: 6.687 ug/l

RT: 4.65 min Scan# 408

Delta R.T. 0.01 min

Lab File: VF061798.D

Acq: 28 Feb 2019 20:16

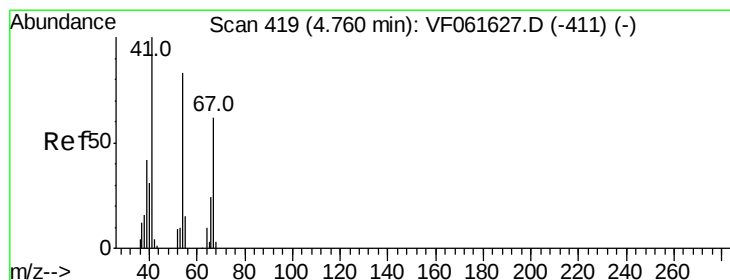
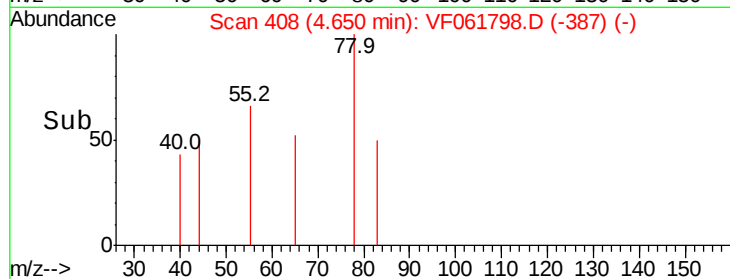
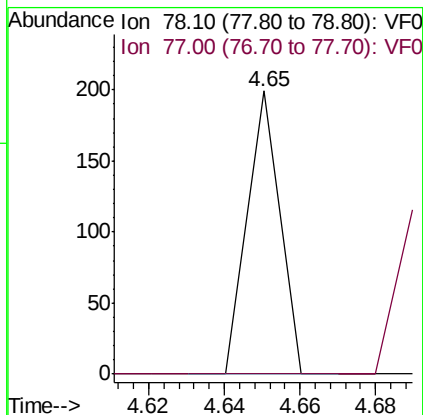
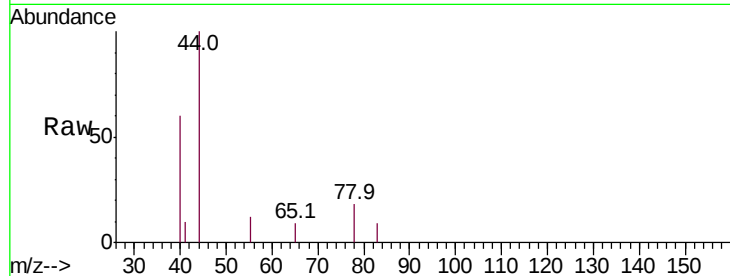
Instrument :
MSVOA_F
ClientSampleId :
OR-03-022719-ARE

Tot Ion: 78 Resp: 118

Ion Ratio Lower Upper

78 100

77 0.0 19.0 28.6#



#41

Methacrylonitrile

Concen: 47.428 ug/l

RT: 4.76 min Scan# 419

Delta R.T. -0.00 min

Lab File: VF061798.D

Acq: 28 Feb 2019 20:16

Tgt Ion: 41 Resp: 76

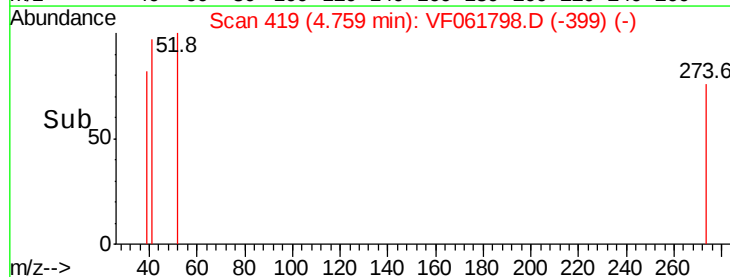
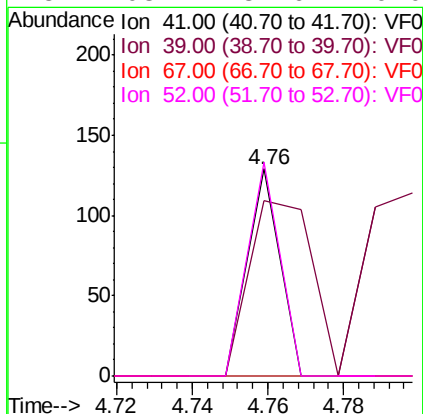
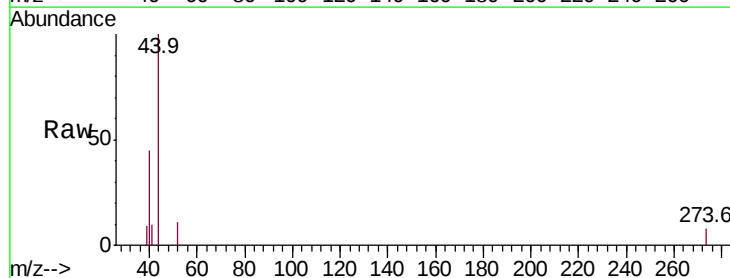
Ion Ratio Lower Upper

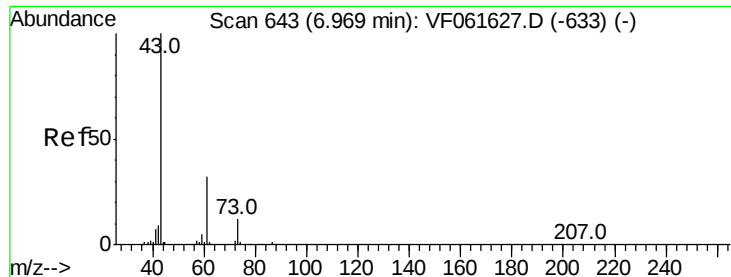
41 100

39 84.5 45.3 67.9#

67 0.0 49.3 73.9#

52 103.1 32.6 49.0#





#43

Isopropyl Acetate

Concen: 46.644 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.02 min

Lab File: VF061798.D

Acq: 28 Feb 2019 20:16

Instrument :

MSVOA_F

ClientSampleId :

OR-03-022719-ARE

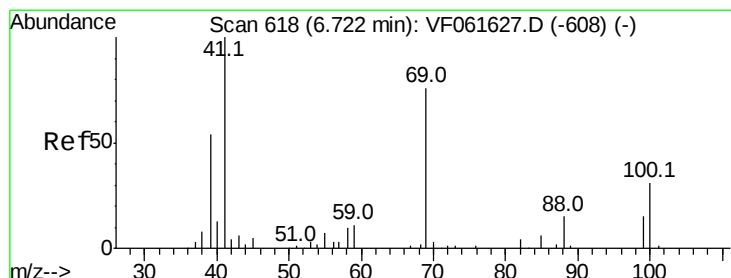
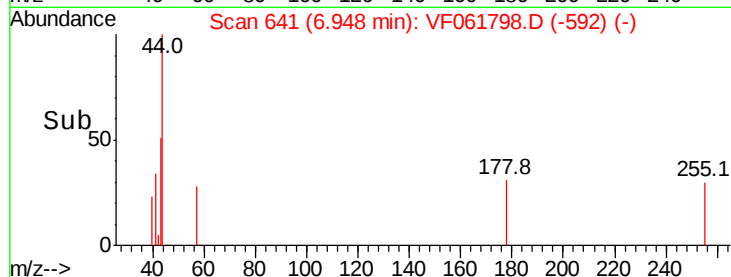
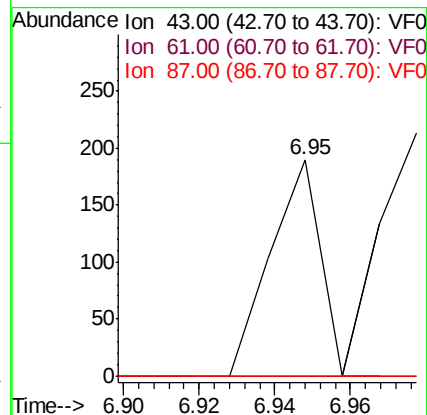
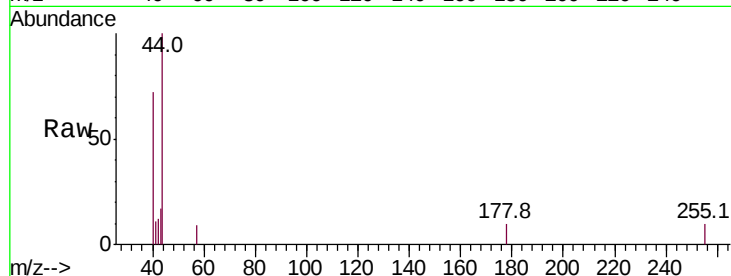
Tot Ion: 43 Resp: 173

Ion Ratio Lower Upper

43 100

61 0.0 25.8 38.6#

87 0.0 0.4 0.6#



#48

Methyl methacrylate

Concen: 68.099 ug/l

RT: 6.67 min Scan# 613

Delta R.T. -0.05 min

Lab File: VF061798.D

Acq: 28 Feb 2019 20:16

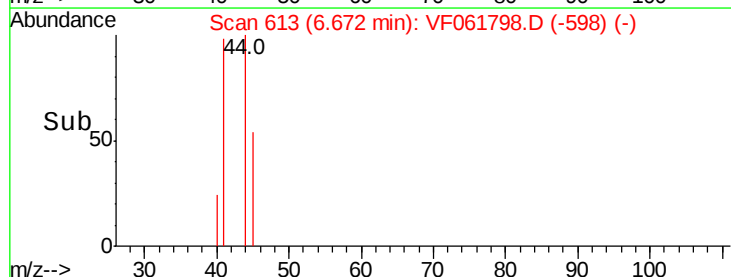
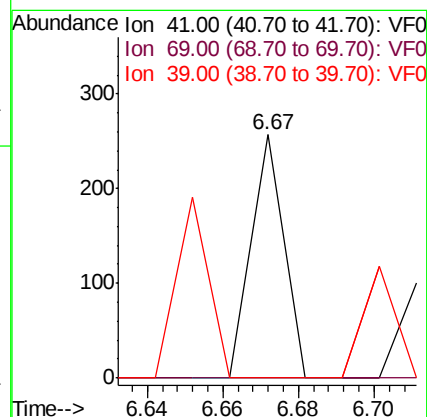
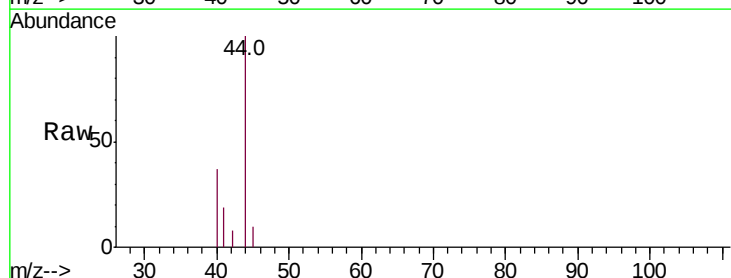
Tgt Ion: 41 Resp: 152

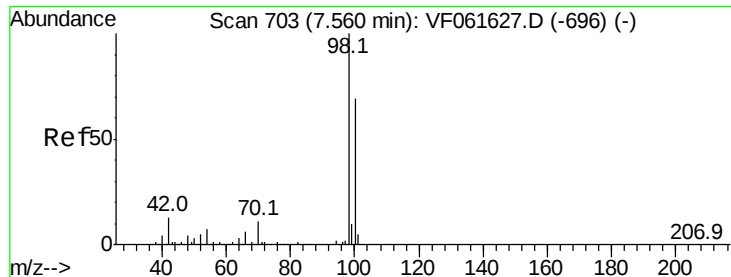
Ion Ratio Lower Upper

41 100

69 0.0 60.4 90.6#

39 0.0 43.7 65.5#





#50

Toluene-d8

Concen: 33.636 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF061798.D

Acq: 28 Feb 2019 20:16

Instrument :

MSVOA_F

ClientSampleId :

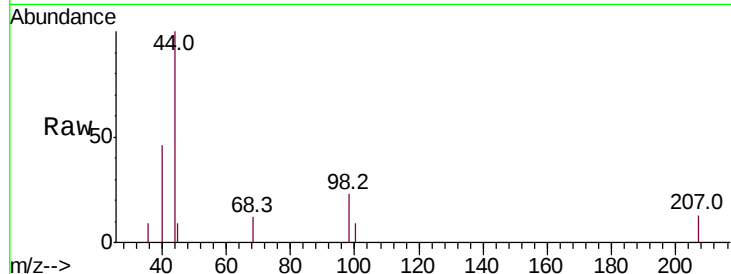
OR-03-022719-ARE

Tot Ion: 98 Resp: 489

Ion Ratio Lower Upper

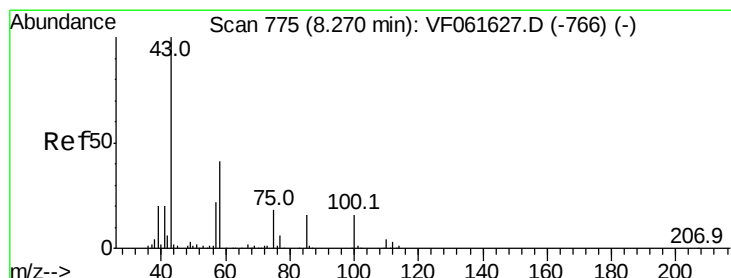
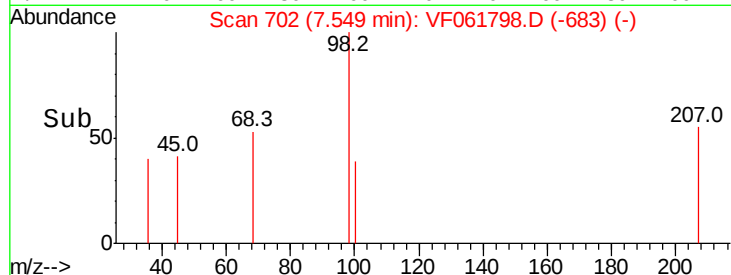
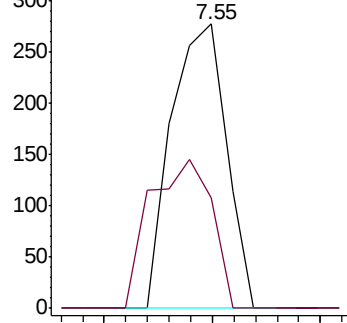
98 100

100 38.6 55.4 83.2#



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF



#51

4-Methyl-2-Pentanone

Concen: 44.525 ug/l

RT: 8.18 min Scan# 766

Delta R.T. -0.09 min

Lab File: VF061798.D

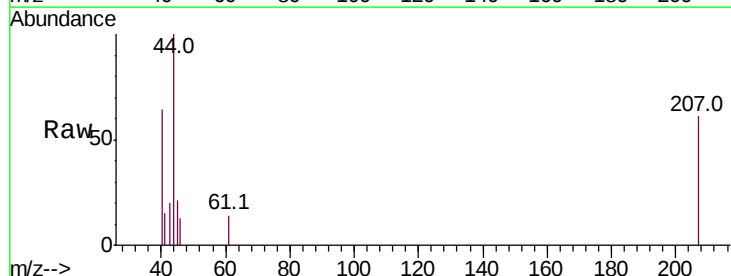
Acq: 28 Feb 2019 20:16

Tgt Ion: 43 Resp: 118

Ion Ratio Lower Upper

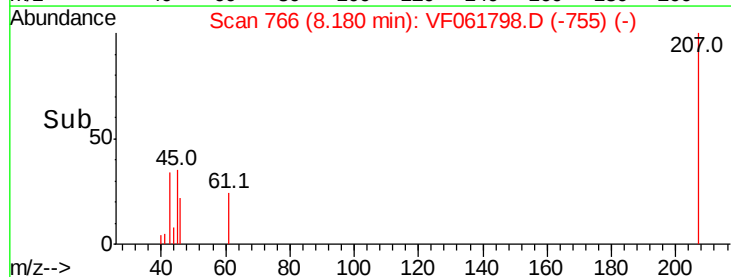
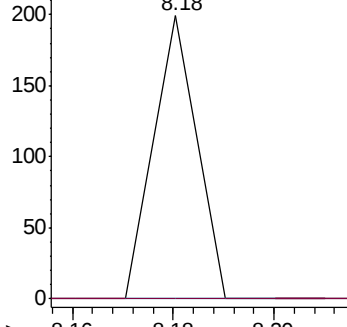
43 100

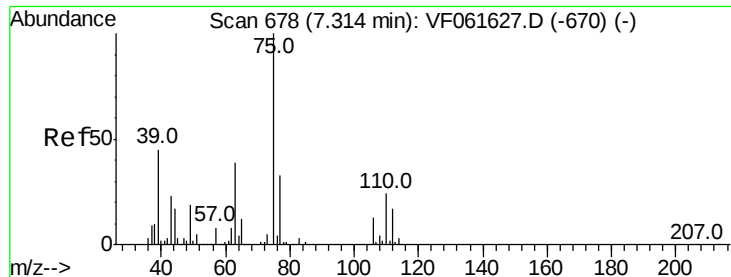
58 0.0 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#54

cis-1,3-Dichloropropene

Concen: 10.196 ug/l

RT: 7.18 min Scan# 665

Delta R.T. -0.13 min

Lab File: VF061798.D

Acq: 28 Feb 2019 20:16

Instrument :

MSVOA_F

ClientSampleId :

OR-03-022719-ARE

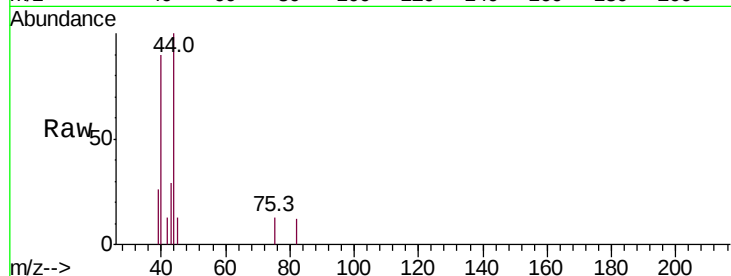
Tot Ion: 75 Resp: 65

Ion Ratio Lower Upper

75 100

77 0.0 26.4 39.6#

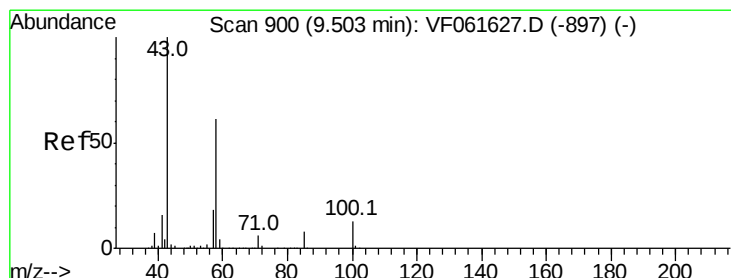
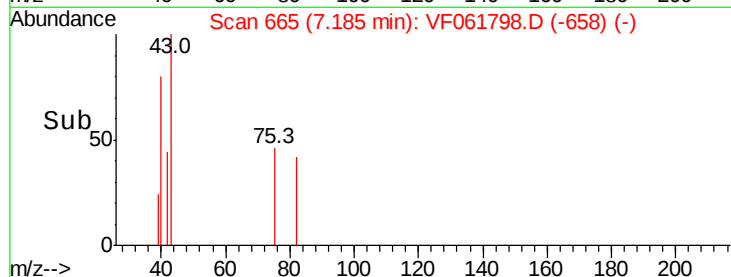
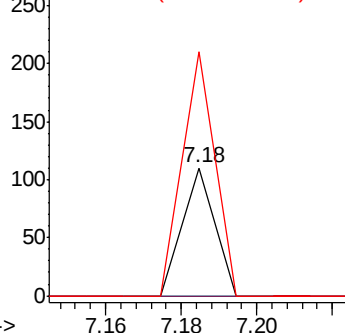
39 190.9 36.0 54.0#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#59

2-Hexanone

Concen: 138.881 ug/l

RT: 9.47 min Scan# 897

Delta R.T. -0.03 min

Lab File: VF061798.D

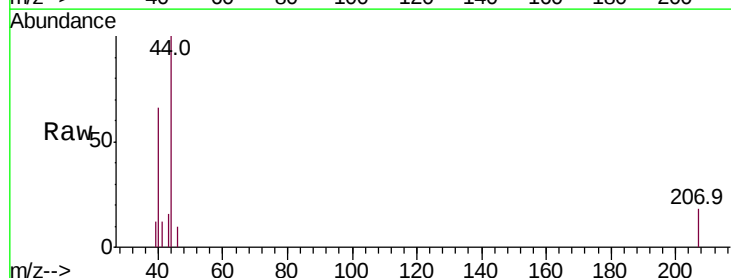
Acq: 28 Feb 2019 20:16

Tgt Ion: 43 Resp: 258

Ion Ratio Lower Upper

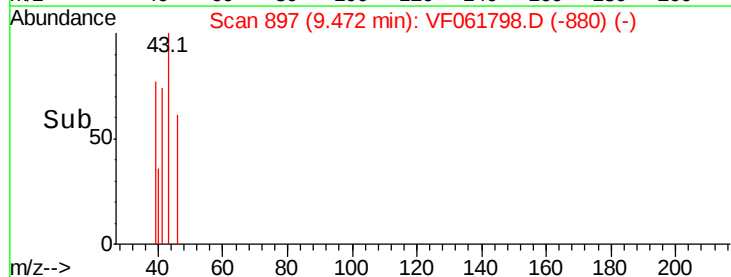
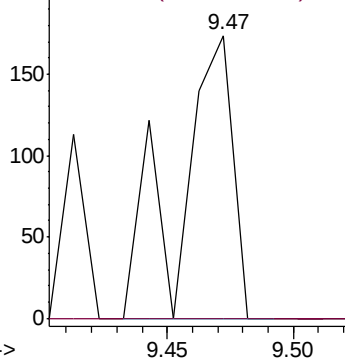
43 100

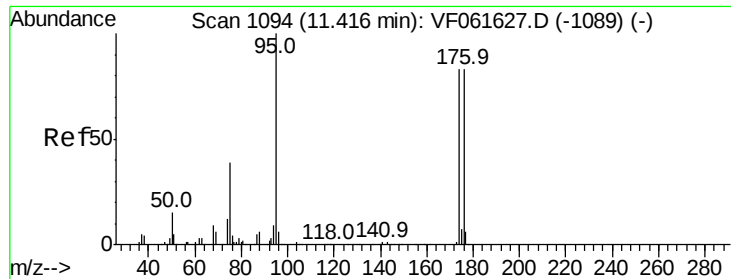
58 0.0 28.5 85.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 14.450 ug/l

RT: 11.27 min Scan# 1079

Delta R.T. -0.15 min

Lab File: VF061798.D

Acq: 28 Feb 2019 20:16

Instrument :

MSVOA_F

ClientSampleId :

OR-03-022719-ARE

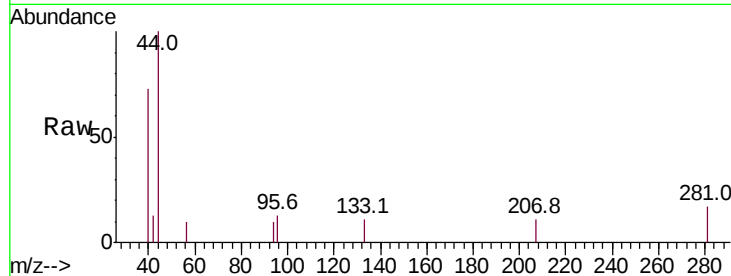
Tot Ion: 95 Resp: 85

Ion Ratio Lower Upper

95 100

174 0.0 0.0 165.8

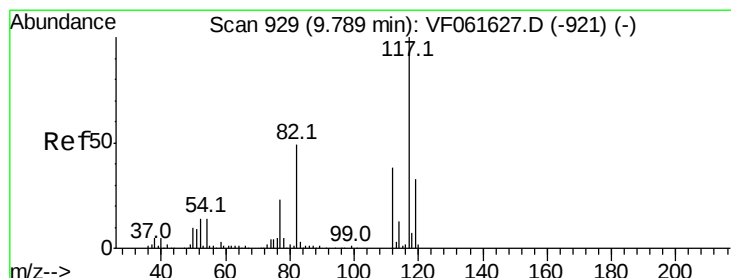
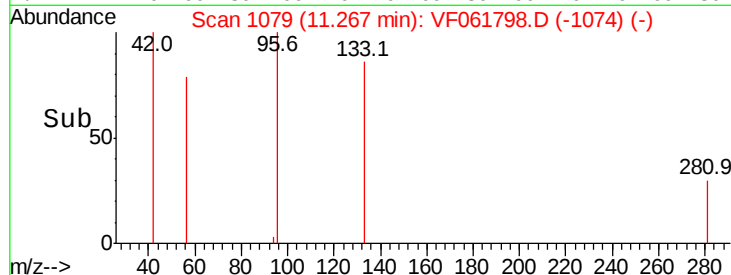
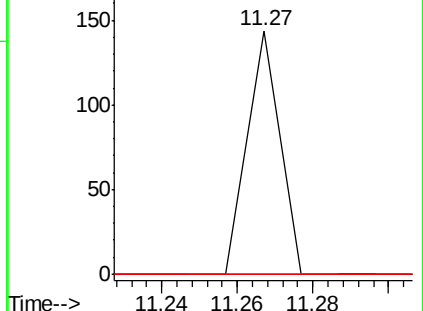
176 0.0 0.0 167.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 927

Delta R.T. -0.02 min

Lab File: VF061798.D

Acq: 28 Feb 2019 20:16

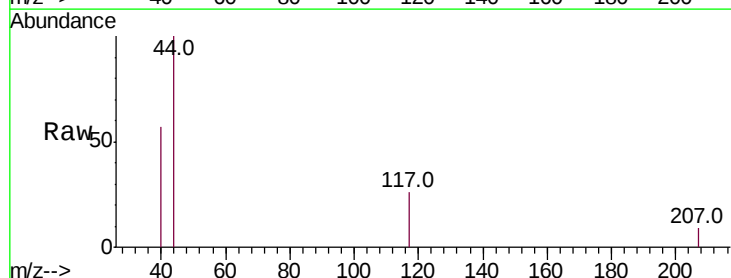
Tgt Ion: 117 Resp: 555

Ion Ratio Lower Upper

117 100

82 0.0 39.3 58.9#

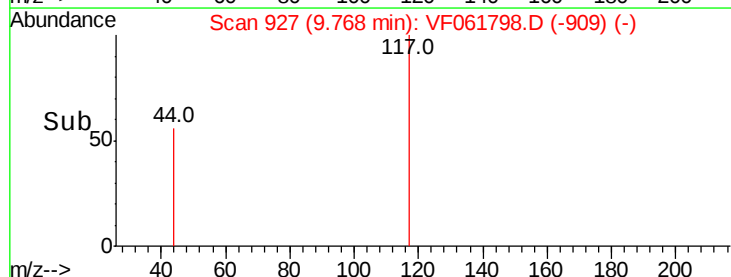
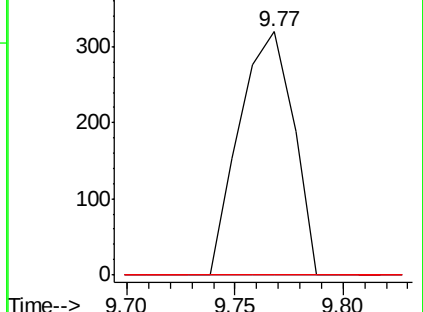
119 0.0 26.6 40.0#

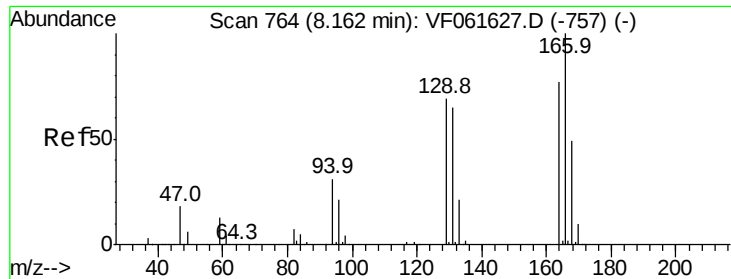


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#64

Tetrachloroethene

Concen: 13.667 ug/l

RT: 8.12 min Scan# 760

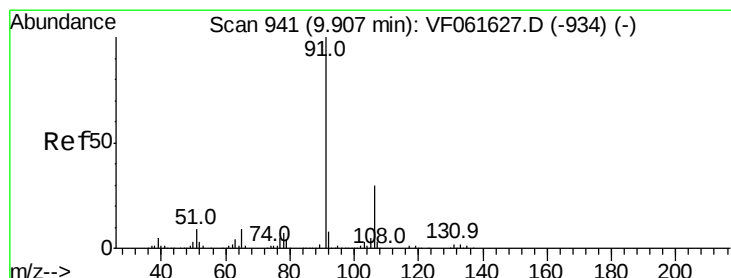
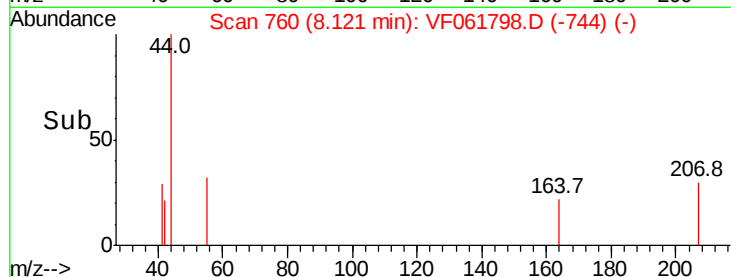
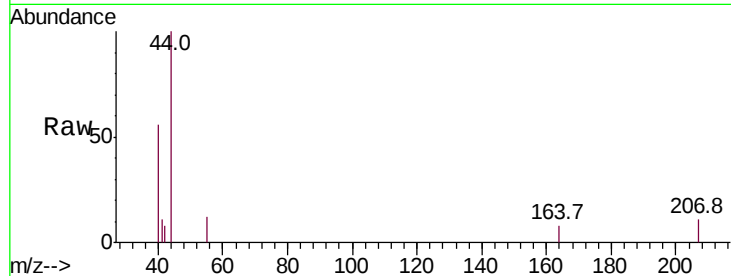
Delta R.T. -0.04 min

Lab File: VF061798.D

Acq: 28 Feb 2019 20:16

Instrument :
MSVOA_F
ClientSampleId :
OR-03-022719-ARE

Tot Ion:	164	Resp:	62
Ion	Ratio	Lower	Upper
164	100		
166	0.0	103.9	155.9#
129	0.0	71.3	106.9#
131	0.0	67.1	100.7#



#67

Ethyl Benzene

Concen: 4.004 ug/l

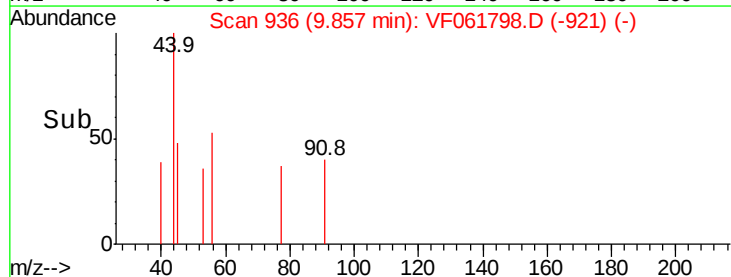
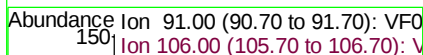
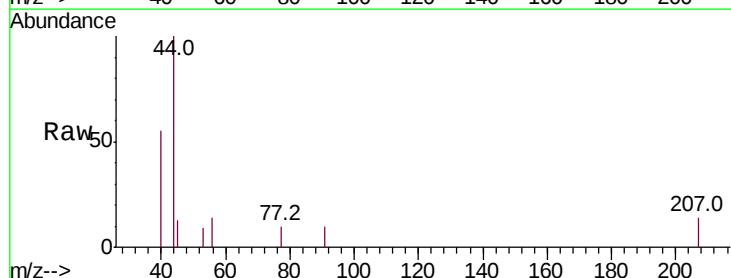
RT: 9.86 min Scan# 936

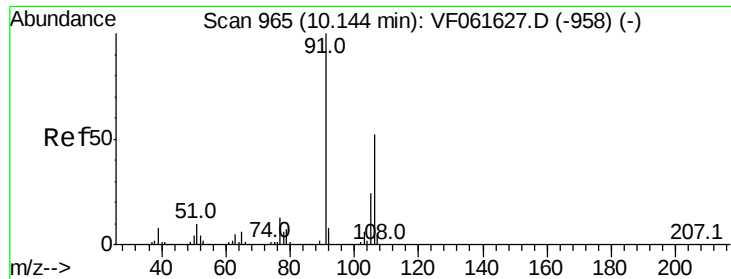
Delta R.T. -0.05 min

Lab File: VF061798.D

Acq: 28 Feb 2019 20:16

Tgt Ion:	91	Resp:	75
Ion	Ratio	Lower	Upper
91	100		
106	0.0	24.1	36.1#

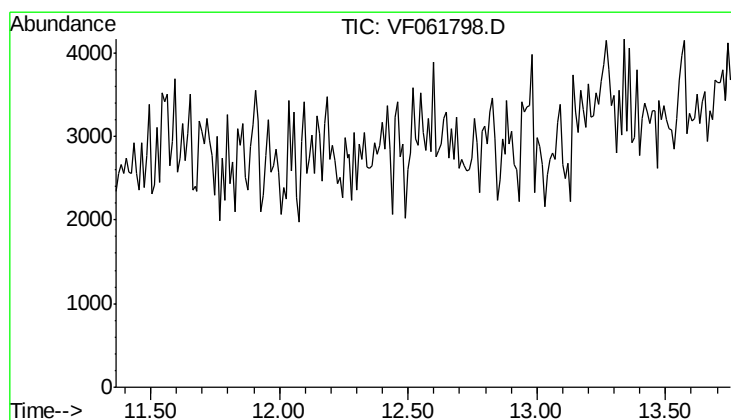
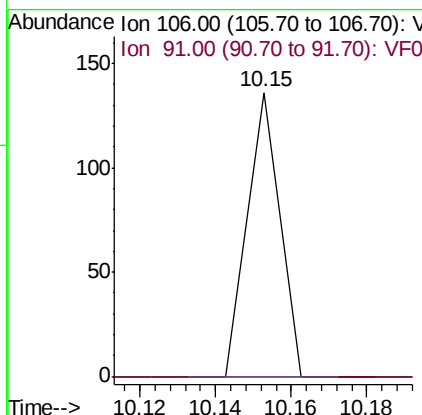
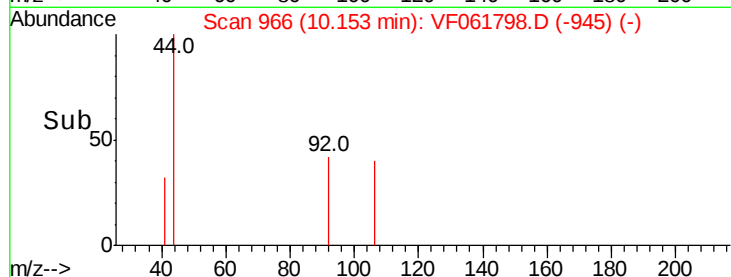
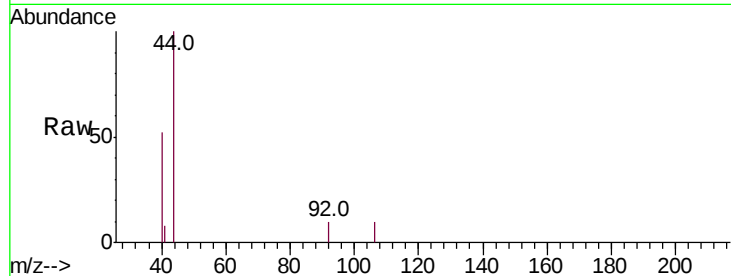




#68
m/p-Xvlenes
Concen: 11.161 ug/l
RT: 10.15 min Scan# 966
Delta R.T. 0.01 min
Lab File: VF061798.D
Acq: 28 Feb 2019 20:16

Instrument :
MSVOA_F
ClientSampleId :
OR-03-022719-ARE

Tot Ion:106 Resp: 80
Ion Ratio Lower Upper
106 100
91 0.0 153.0 229.6#



#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 12.56 min

Lab File: VF061798.D
Acq: 28 Feb 2019 20:16

Tgt Ion: 152
Sig Exp Ratio
152 100
115 48.5
150 156.0

