

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122718\
 Data File : VF061222.D
 Acq On : 27 Dec 2018 21:57
 Operator : VA/AP
 Sample : J6579-01RE
 Misc : 5.52g/5mL/MSVOA-F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TN-122618-CRE

Quant Time: Dec 27 23:52:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	5956	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.58	114	7918	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	5500	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	1638	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	1426	18.62	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	37.24%	
35) Dibromofluoromethane	4.11	113	2481	39.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.24%	
50) Toluene-d8	7.54	98	8351	46.46	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	92.92%	
62) 4-Bromofluorobenzene	11.39	95	2079	25.09	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	50.18%	

Target Compounds						Qvalue
3) Chloromethane	1.12	50	108	1.424	ug/l #	51
4) Vinyl Chloride	1.21	62	85	1.208	ug/l #	37
5) Bromomethane	1.37	94	230	4.713	ug/l #	3
6) Chloroethane	1.42	64	72	2.221	ug/l #	1
8) Diethyl Ether	1.61	74	87	4.730	ug/l	82
11) Tert butyl alcohol	2.55	59	66	21.350	ug/l #	65
12) 1,1-Dichloroethene	1.78	96	121	2.305	ug/l #	1
13) Acrolein	2.03	56	237	106.099	ug/l	83
14) Allyl chloride	2.10	41	1058	19.364	ug/l #	56
15) Acrylonitrile	2.93	53	291	40.709	ug/l #	12
16) Acetone	2.29	43	525	34.282	ug/l #	83
18) Methyl Acetate	2.34	43	407	12.846	ug/l #	66
20) Methylene Chloride	2.18	84	372	3.417	ug/l #	57
21) trans-1,2-Dichloroethene	2.27	96	111	1.977	ug/l #	1
22) Diisopropyl ether	2.79	45	508	2.791	ug/l #	30
23) Vinyl Acetate	3.17	43	252	3.001	ug/l #	78
25) 2-Butanone	4.31	43	154	6.201	ug/l #	57
28) Bromochloromethane	3.80	49	79	1.444	ug/l #	10
29) Tetrahydrofuran	4.02	42	103	10.189	ug/l #	37
37) Ethyl Acetate	4.12	43	458	10.727	ug/l #	21
39) Methylcyclohexane	5.58	83	86	1.003	ug/l #	14
41) Methacrylonitrile	4.74	41	79	3.914	ug/l #	25
43) Isopropyl Acetate	6.91	43	424	9.188	ug/l #	45
44) Trichloroethene	5.61	130	70	1.080	ug/l	1
45) 1,2-Dichloropropane	6.17	63	62	1.109	ug/l #	44
48) Methyl methacrylate	6.69	41	83	2.576	ug/l #	19
51) 4-Methyl-2-Pentanone	8.24	43	310	9.795	ug/l #	38
56) Ethyl methacrylate	8.61	69	62	1.405	ug/l #	20
58) 2-Chloroethyl Vinyl ether	7.16	63	96	11.326	ug/l #	50
59) 2-Hexanone	9.49	43	358	15.641	ug/l #	27
66) 1,1,1,2-Tetrachloroethane	9.77	131	62	1.335	ug/l #	1
74) N-amyl acetate	11.37	43	276	8.807	ug/l #	8
75) 1,1,2,2-Tetrachloroethane	11.73	83	66	2.817	ug/l #	23
80) 1,3,5-Trimethylbenzene	11.80	105	135	1.161	ug/l #	27

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Response via : Initial Calibration

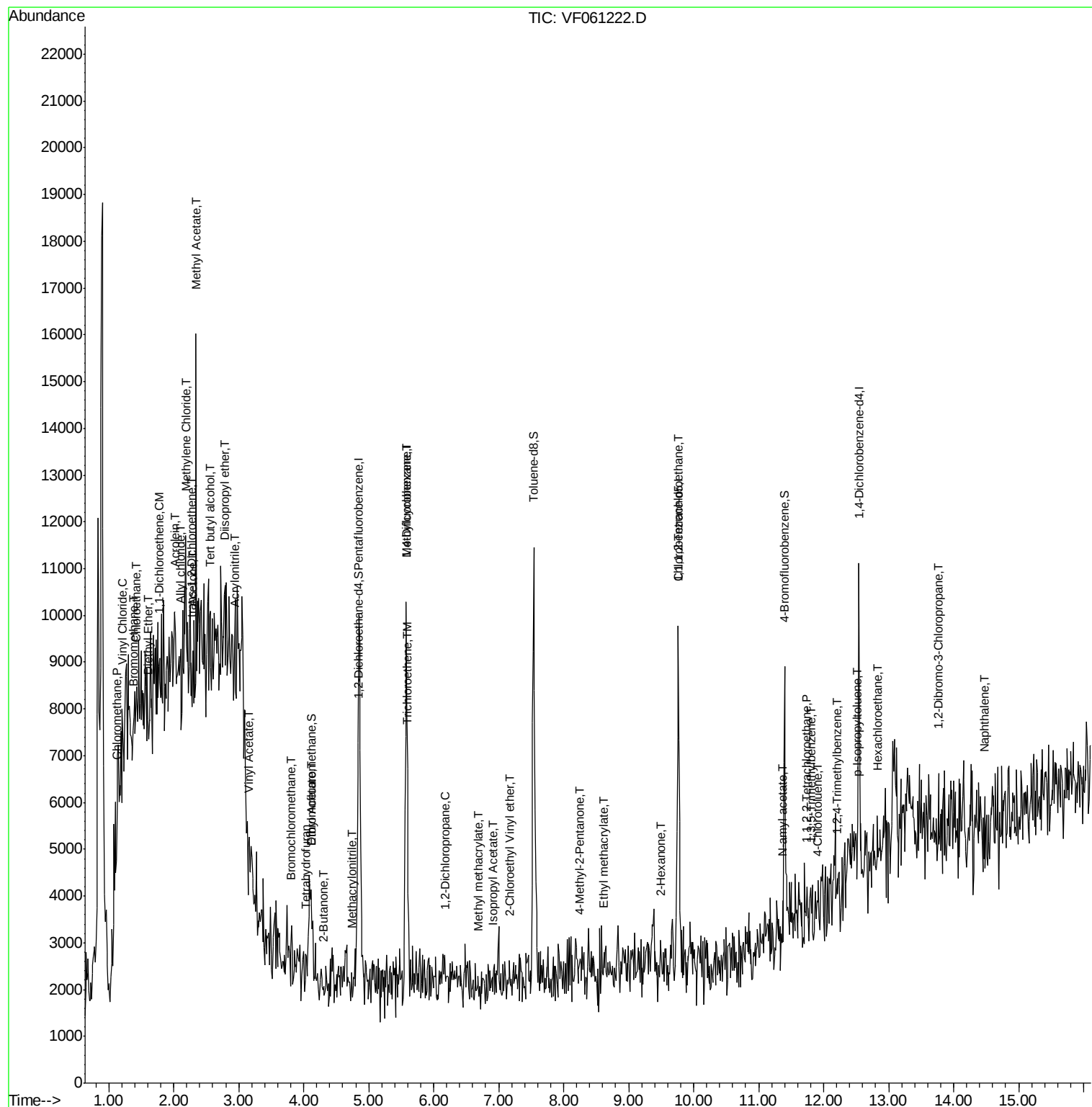
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	11.90	91	129	1.288	ug/l #	43
84) 1,2,4-Trimethylbenzene	12.20	105	217	1.872	ug/l #	29
86) p-Isopropyltoluene	12.51	119	131	1.011	ug/l #	50
90) Hexachloroethane	12.82	117	75	2.343	ug/l #	27
92) 1,2-Dibromo-3-Chloropropan	13.77	75	74	17.213	ug/l #	2
95) Naphthalene	14.48	128	114	1.621	ug/l #	70

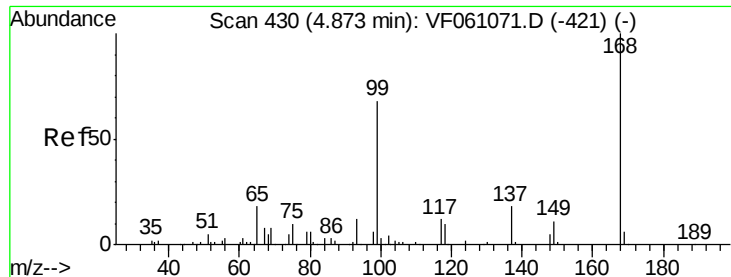
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF061222.D

Acq: 27 Dec 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

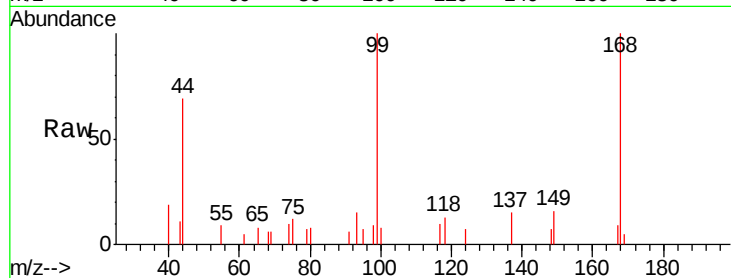
TN-122618-CRE

Tgt Ion:168 Resp: 5956

Ion Ratio Lower Upper

168 100

99 100.1 54.4 81.6#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

1500

1000

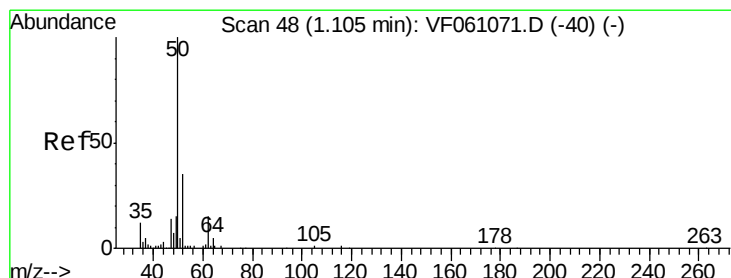
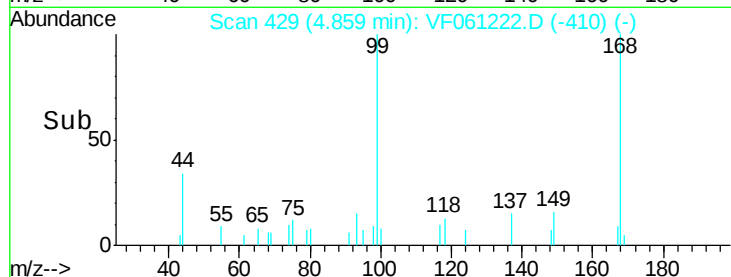
500

0

4.80

4.90

Time-->



#3

Chloromethane

Concen: 1.424 ug/l

RT: 1.12 min Scan# 50

Delta R.T. 0.02 min

Lab File: VF061222.D

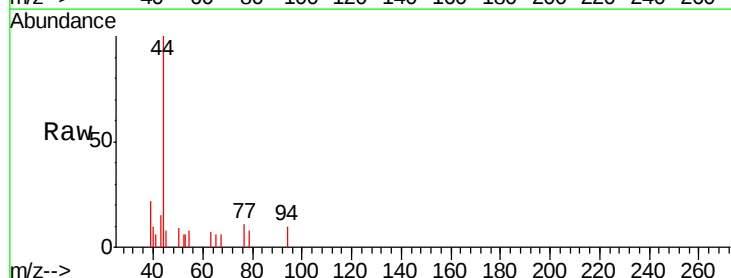
Acq: 27 Dec 2018 21:57

Tgt Ion: 50 Resp: 108

Ion Ratio Lower Upper

50 100

52 60.7 26.3 39.5#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.12

200

150

100

50

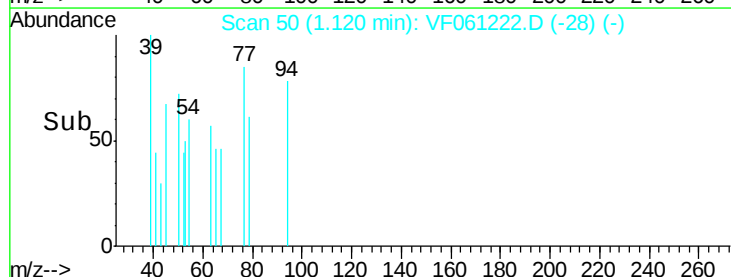
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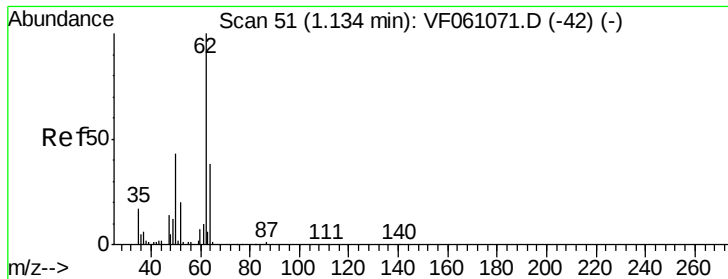
1.11

1.12

1.13

Time-->





#4

Vinyl Chloride

Concen: 1.208 ug/l

RT: 1.21 min Scan# 59

Delta R.T. 0.07 min

Lab File: VF061222.D

Acq: 27 Dec 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

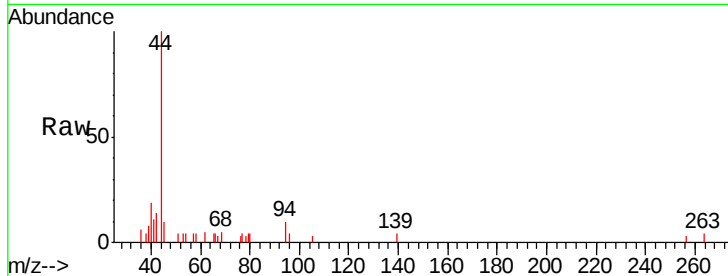
TN-122618-CRE

Tgt Ion: 62 Resp: 85

Ion Ratio Lower Upper

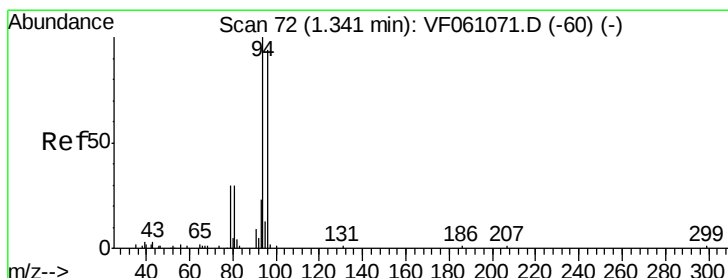
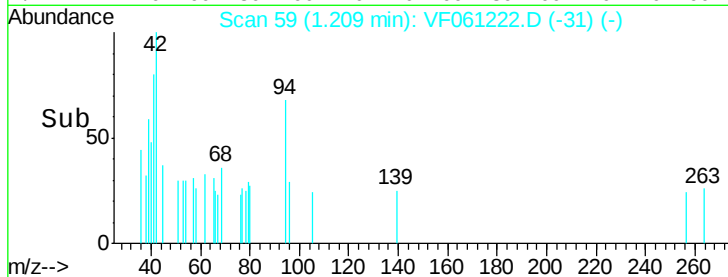
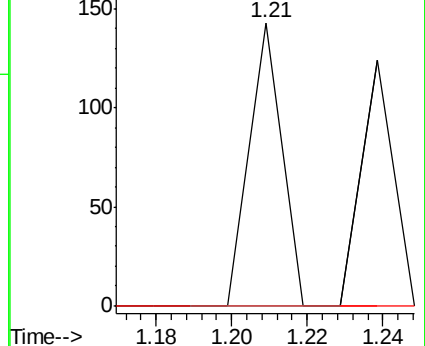
62 100

64 0.0 30.4 45.6#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0



#5

Bromomethane

Concen: 4.713 ug/l

RT: 1.37 min Scan# 75

Delta R.T. 0.03 min

Lab File: VF061222.D

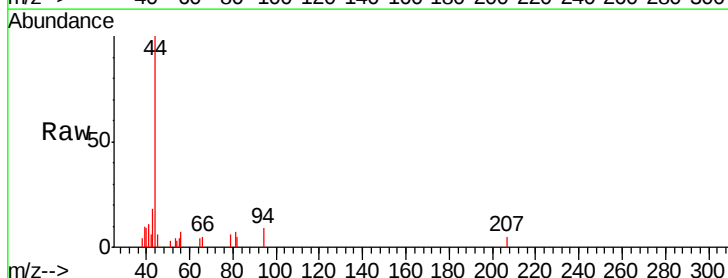
Acq: 27 Dec 2018 21:57

Tgt Ion: 94 Resp: 230

Ion Ratio Lower Upper

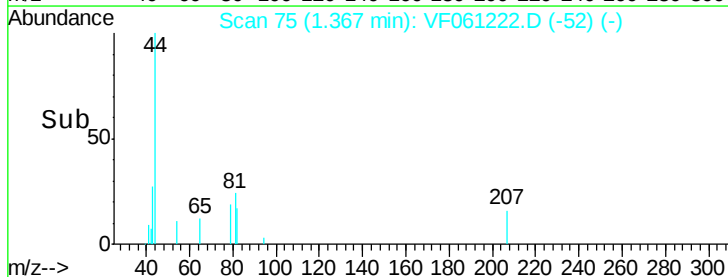
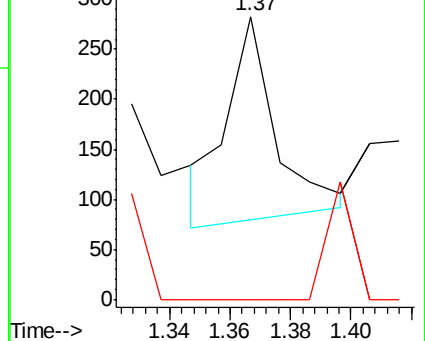
94 100

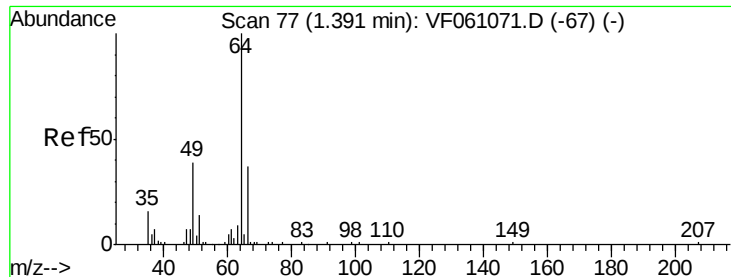
96 0.0 74.4 111.6#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0





#6

Chloroethane

Concen: 2.221 ug/l

RT: 1.42 min Scan# 80

Delta R.T. 0.03 min

Lab File: VF061222.D

Acq: 27 Dec 2018 21:57

Instrument :

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ClientSampleId :

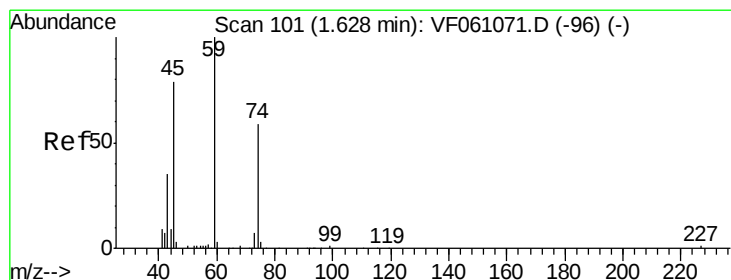
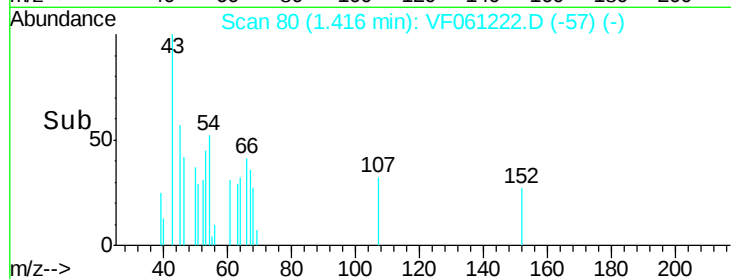
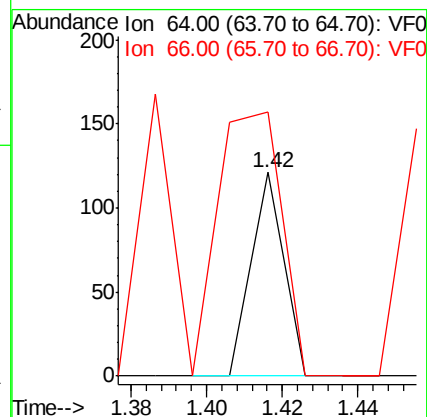
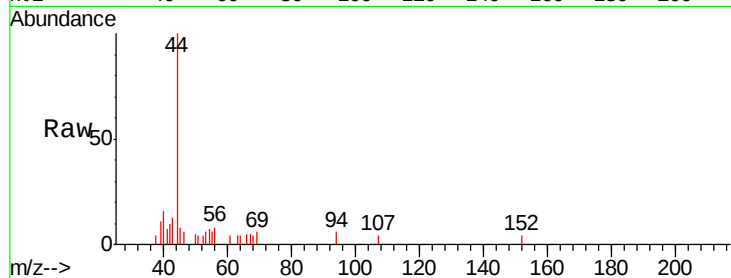
TN-122618-CRE

Tgt Ion: 64 Resp: 72

Ion Ratio Lower Upper

64 100

66 129.8 30.9 46.3#



#8

Diethyl Ether

Concen: 4.730 ug/l

RT: 1.61 min Scan# 100

Delta R.T. -0.01 min

Lab File: VF061222.D

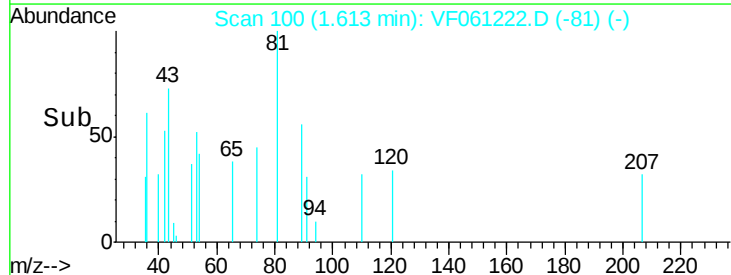
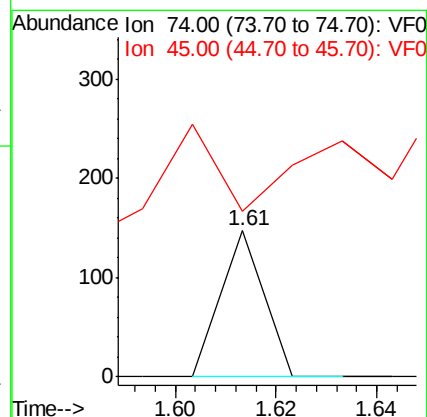
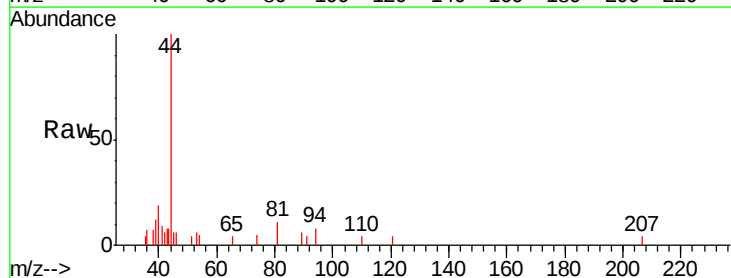
Acq: 27 Dec 2018 21:57

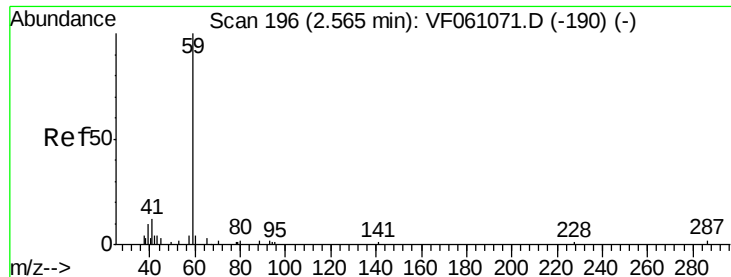
Tgt Ion: 74 Resp: 87

Ion Ratio Lower Upper

74 100

45 113.6 67.8 203.4

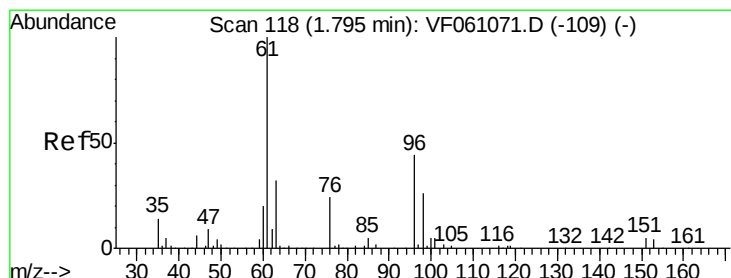
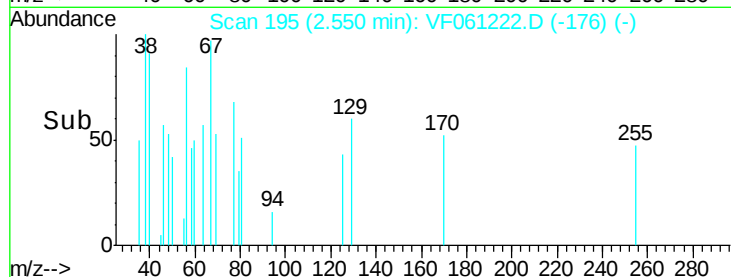
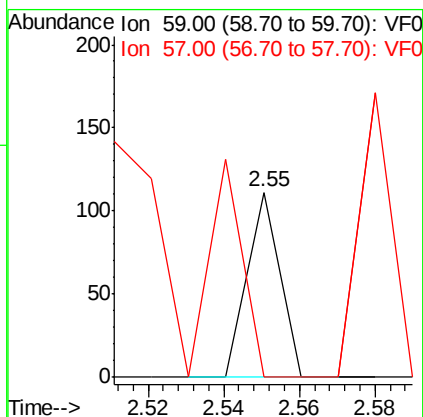
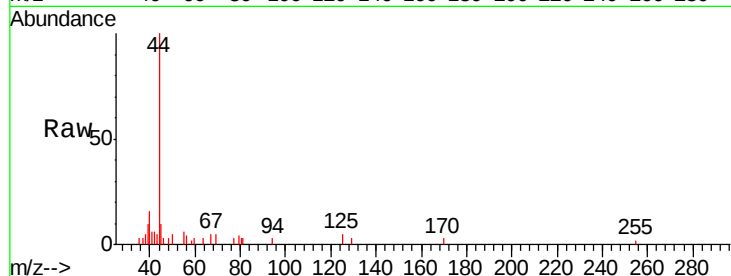




#11
Tert butyl alcohol
Concen: 21.350 ug/l
RT: 2.55 min Scan# 195
Delta R.T. -0.01 min
Lab File: VF061222.D
Acq: 27 Dec 2018 21:57

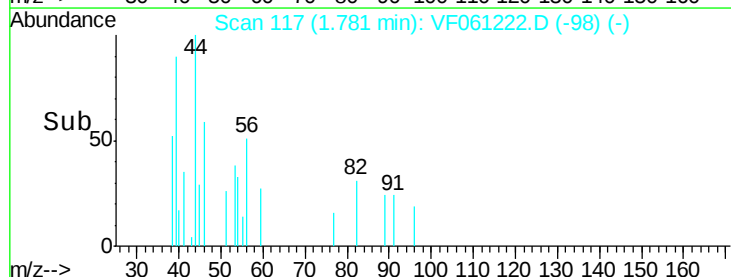
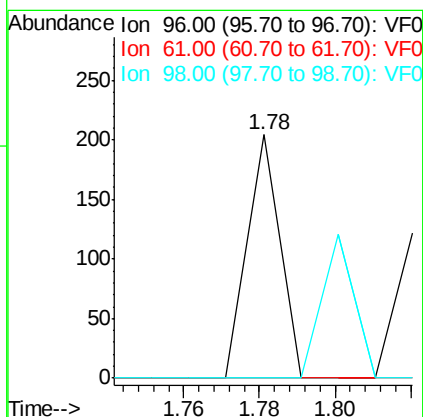
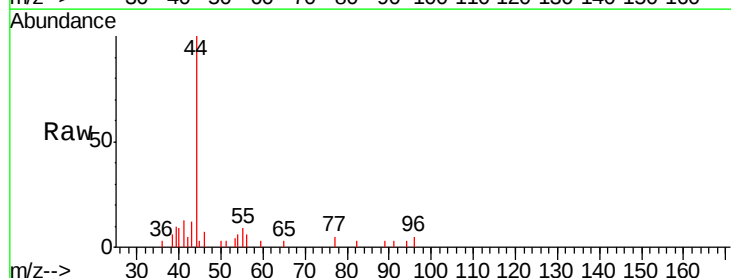
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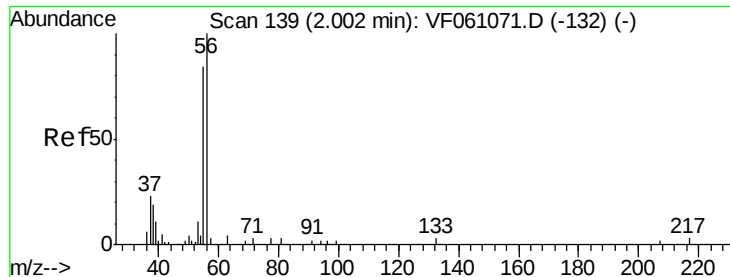
Tgt Ion: 59 Resp: 66
Ion Ratio Lower Upper
59 100
57 0.0 11.5 17.3#



#12
1,1-Dichloroethene
Concen: 2.305 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF061222.D
Acq: 27 Dec 2018 21:57

Tgt Ion: 96 Resp: 121
Ion Ratio Lower Upper
96 100
61 0.0 182.0 273.0#
98 0.0 46.5 69.7#





#13

Acrolein

Concen: 106.099 ug/l

RT: 2.03 min Scan# 142

Delta R.T. 0.03 min

Lab File: VF061222.D

Acq: 27 Dec 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

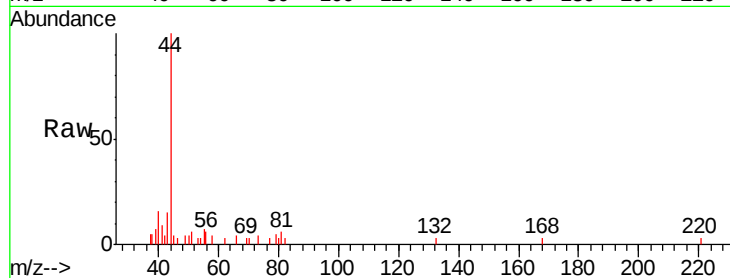
TN-122618-CRE

Tgt Ion: 56 Resp: 237

Ion Ratio Lower Upper

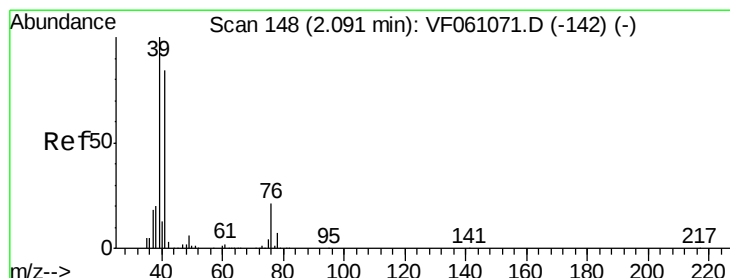
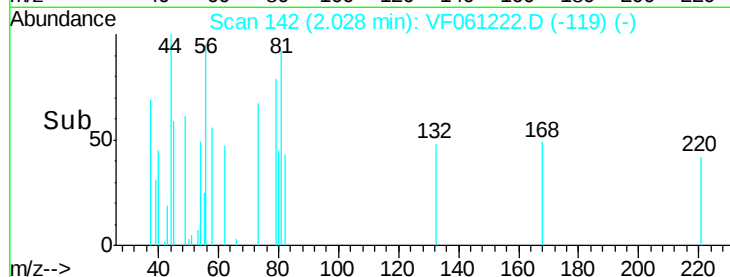
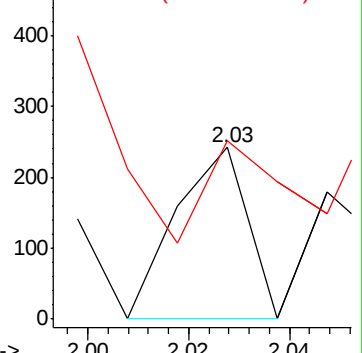
56 100

55 103.7 70.2 105.2



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 19.364 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.01 min

Lab File: VF061222.D

Acq: 27 Dec 2018 21:57

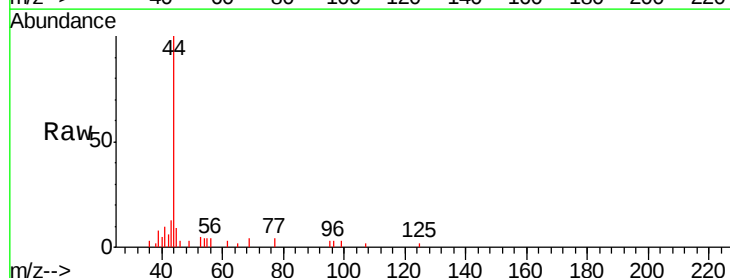
Tgt Ion: 41 Resp: 1058

Ion Ratio Lower Upper

41 100

39 75.1 96.4 144.6#

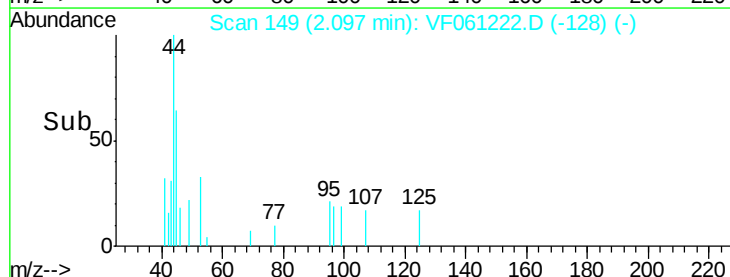
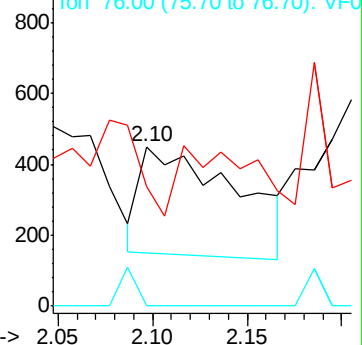
76 0.0 25.4 38.0#

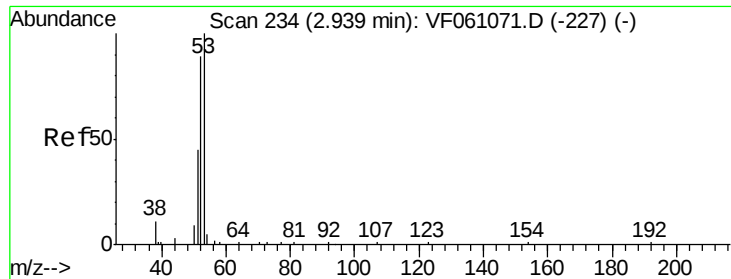


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

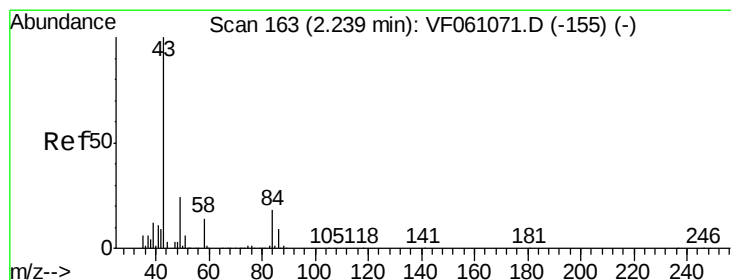
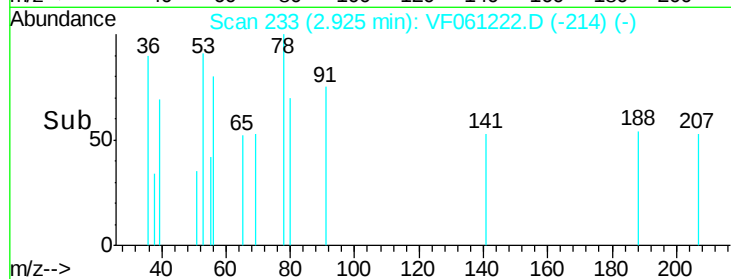
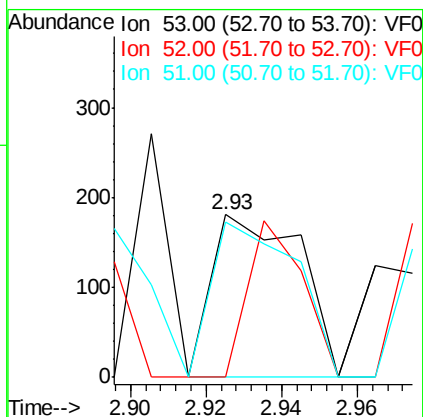
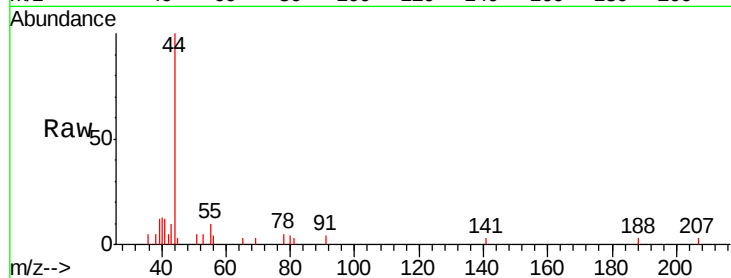




#15
Acrylonitrile
Concen: 40.709 ug/l
RT: 2.93 min Scan# 233
Delta R.T. -0.01 min
Lab File: VF061222.D
Acq: 27 Dec 2018 21:57

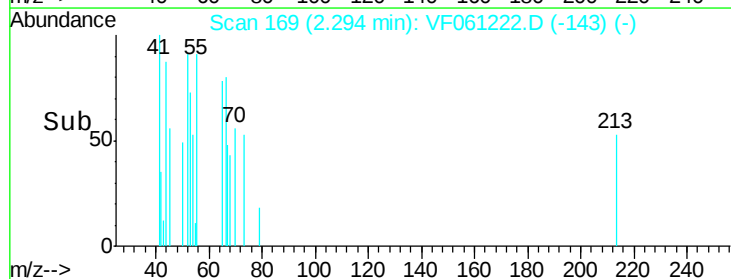
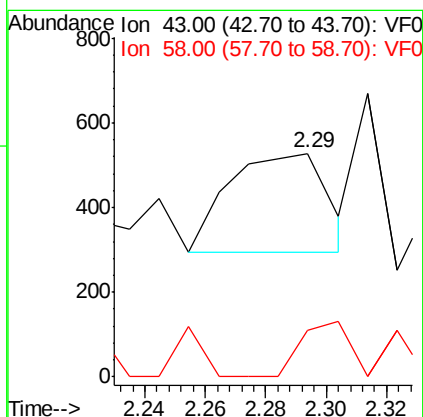
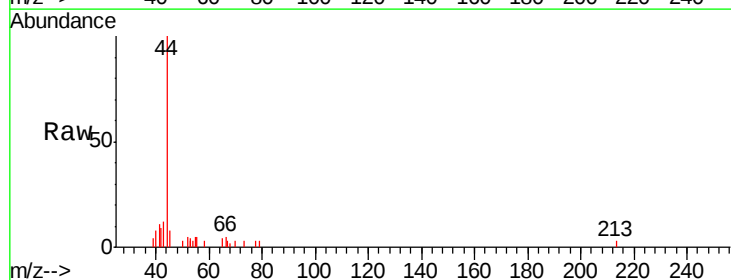
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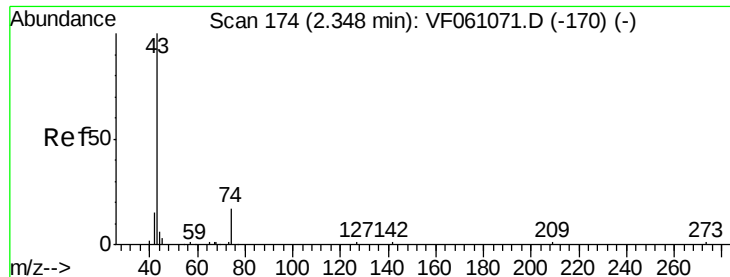
Tgt Ion: 53 Resp: 291
Ion Ratio Lower Upper
53 100
52 0.0 71.3 106.9#
51 95.6 36.8 55.2#



#16
Acetone
Concen: 34.282 ug/l
RT: 2.29 min Scan# 169
Delta R.T. 0.05 min
Lab File: VF061222.D
Acq: 27 Dec 2018 21:57

Tgt Ion: 43 Resp: 525
Ion Ratio Lower Upper
43 100
58 20.8 11.1 16.7#

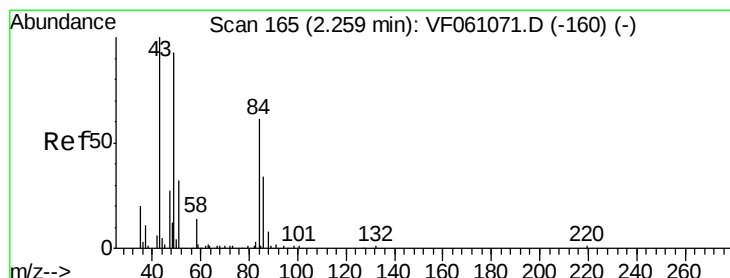
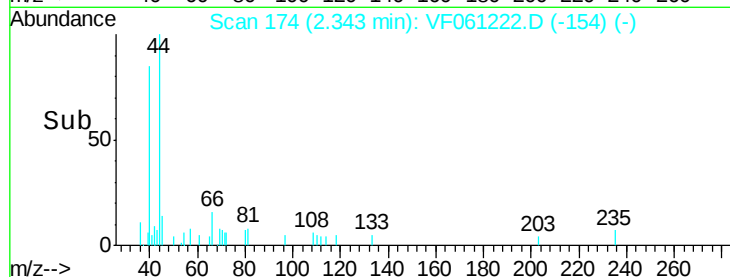
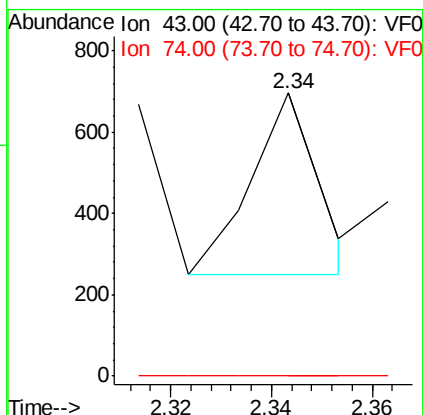
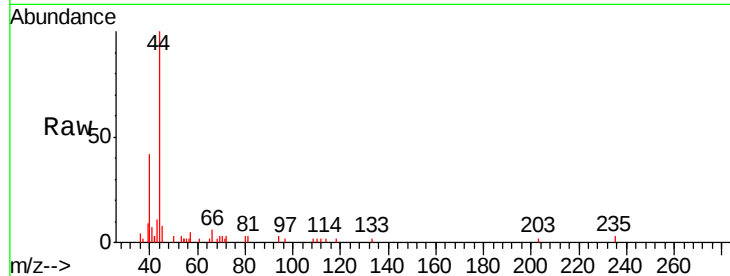




#18
Methyl Acetate
Concen: 12.846 ug/l
RT: 2.34 min Scan# 174
Delta R.T. -0.00 min
Lab File: VF061222.D
Acq: 27 Dec 2018 21:57

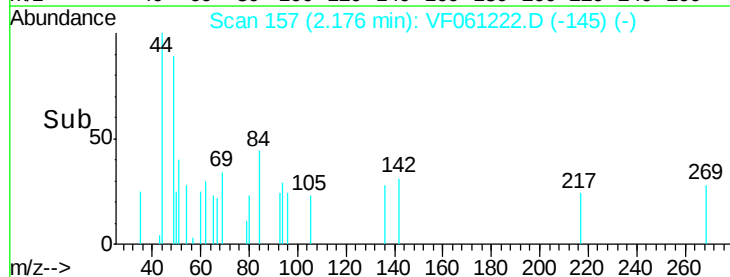
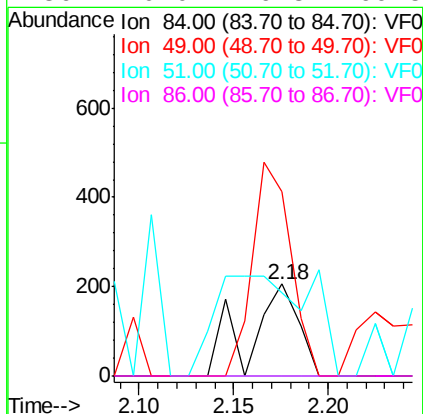
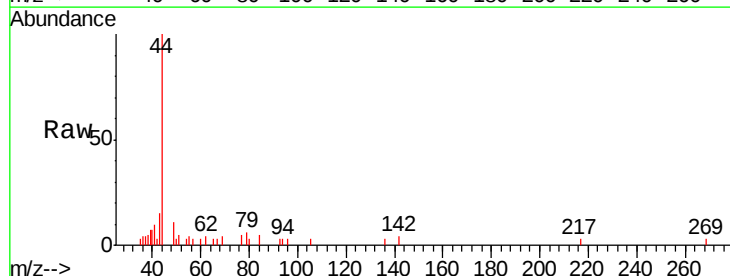
Instrument :
MSVOA_F
ClientSampleId :
TN-122618-CRE

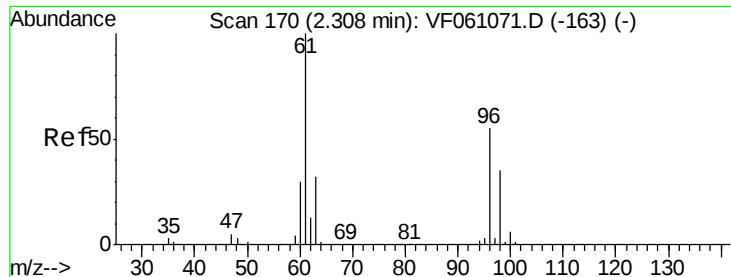
Tgt Ion: 43 Resp: 407
Ion Ratio Lower Upper
43 100
74 0.0 11.0 16.6#



#20
Methylene Chloride
Concen: 3.417 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.08 min
Lab File: VF061222.D
Acq: 27 Dec 2018 21:57

Tgt Ion: 84 Resp: 372
Ion Ratio Lower Upper
84 100
49 200.0 129.4 194.2#
51 90.8 44.0 66.0#
86 0.0 46.3 69.5#





#21

trans-1,2-Dichloroethene

Concen: 1.977 ug/l

RT: 2.27 min Scan# 167

Delta R.T. -0.03 min

Lab File: VF061222.D

Acq: 27 Dec 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

TN-122618-CRE

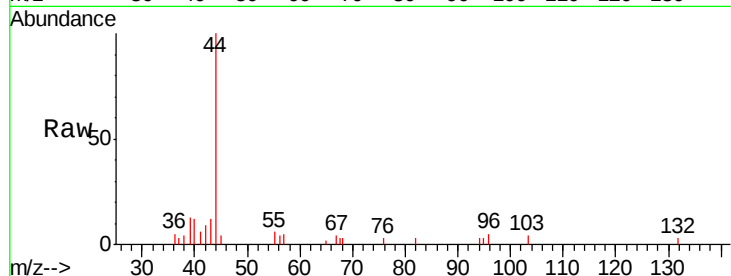
Tgt Ion: 96 Resp: 111

Ion Ratio Lower Upper

96 100

61 0.0 146.0 219.0#

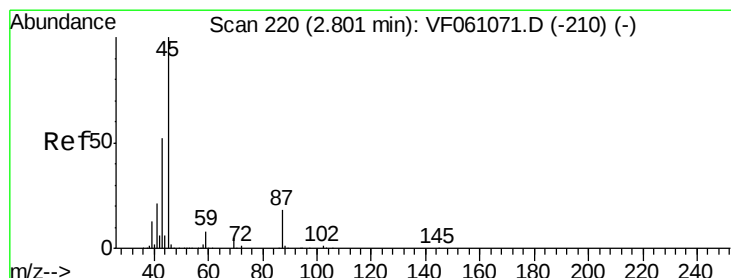
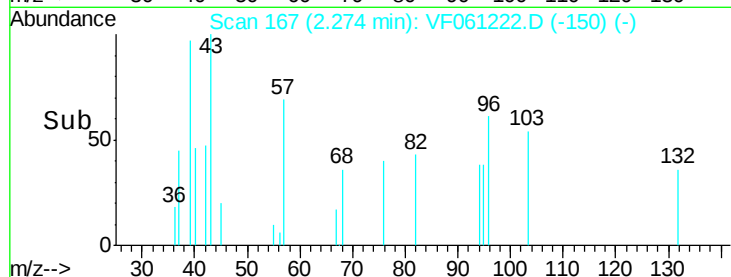
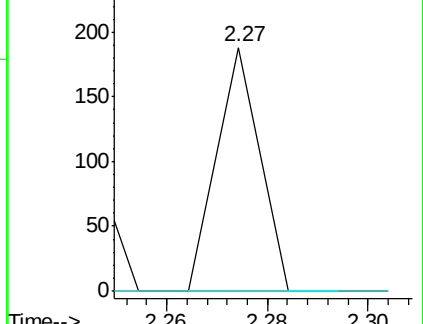
98 0.0 51.6 77.4#



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: 2.791 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.01 min

Lab File: VF061222.D

Acq: 27 Dec 2018 21:57

Tgt Ion: 45 Resp: 508

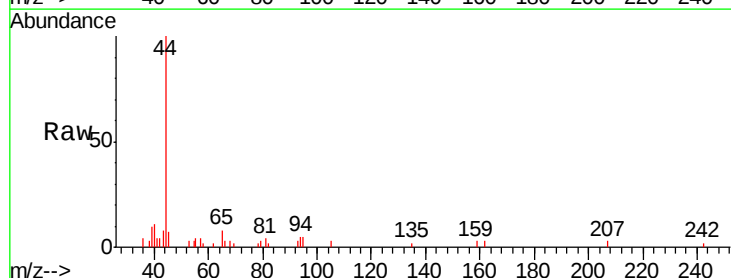
Ion Ratio Lower Upper

45 100

43 114.4 42.2 63.2#

87 0.0 14.6 22.0#

59 0.0 7.0 10.4#

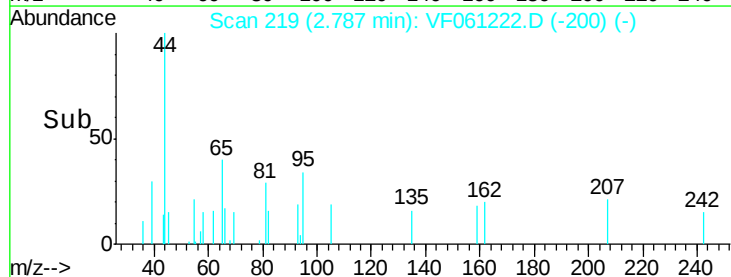
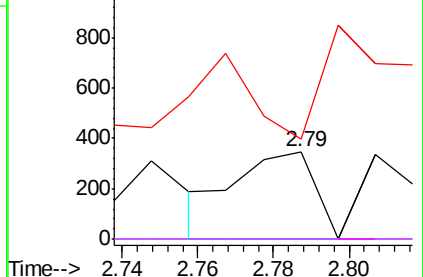


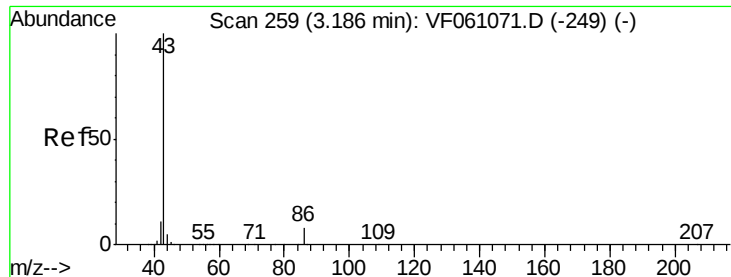
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 3.001 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF061222.D

Acq: 27 Dec 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

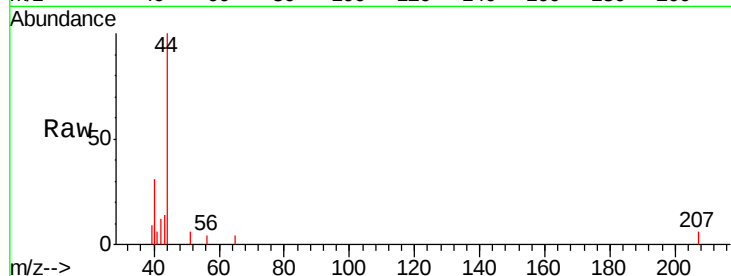
TN-122618-CRE

Tgt Ion: 43 Resp: 252

Ion Ratio Lower Upper

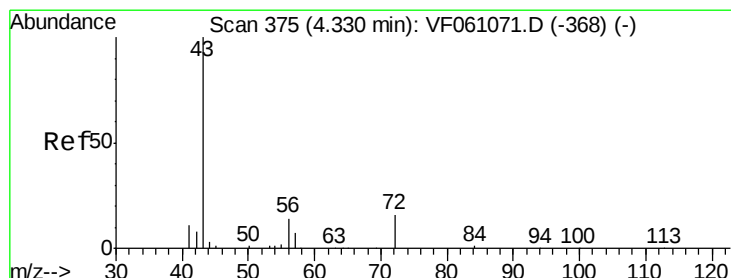
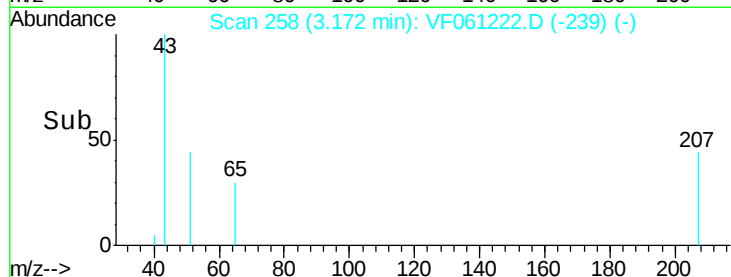
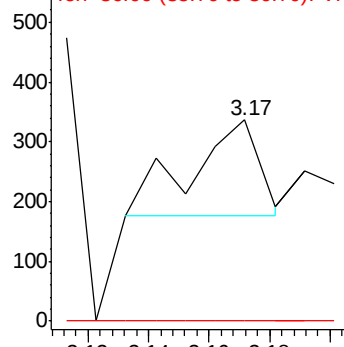
43 100

86 0.0 6.3 9.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#25

2-Butanone

Concen: 6.201 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.02 min

Lab File: VF061222.D

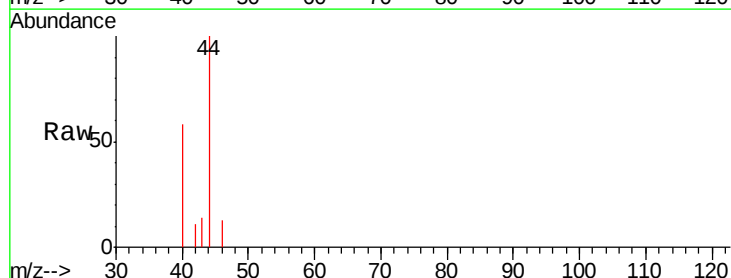
Acq: 27 Dec 2018 21:57

Tgt Ion: 43 Resp: 154

Ion Ratio Lower Upper

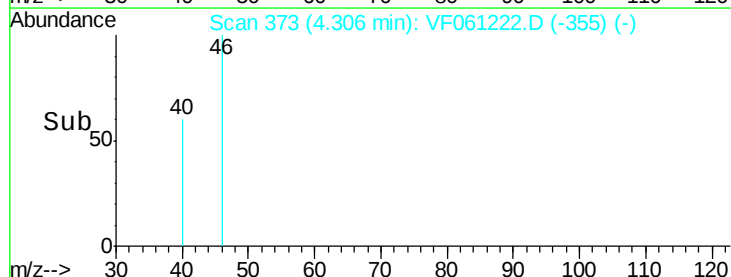
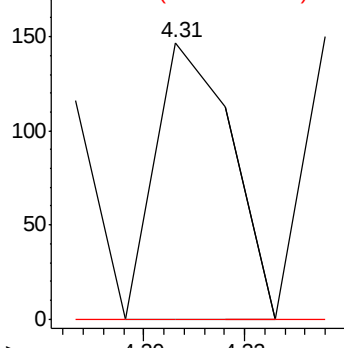
43 100

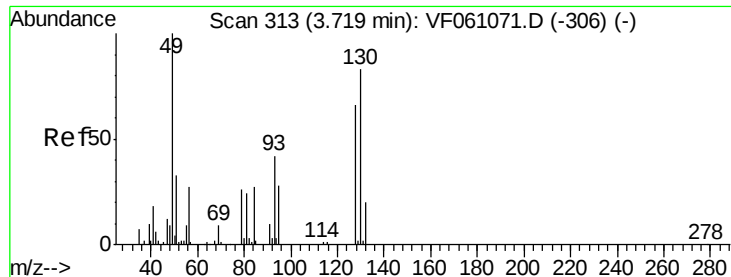
72 0.0 15.6 23.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#28

Bromochloromethane

Concen: 1.444 ug/l

RT: 3.80 min Scan# 322

Delta R.T. 0.08 min

Lab File: VF061222.D

Acq: 27 Dec 2018 21:57

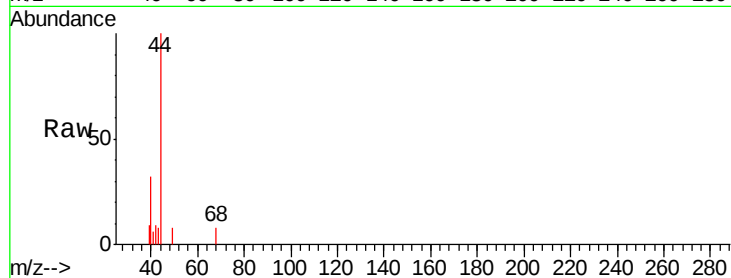
Instrument :

MSVOA_F

ClientSampleId :

TN-122618-CRE

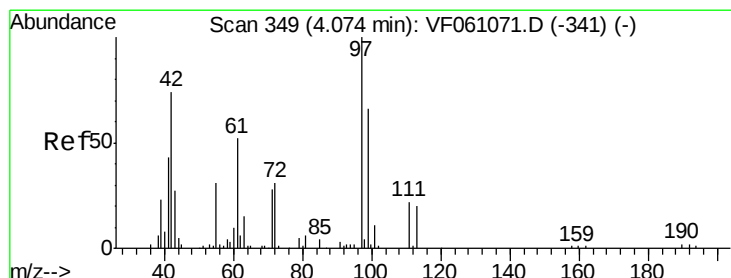
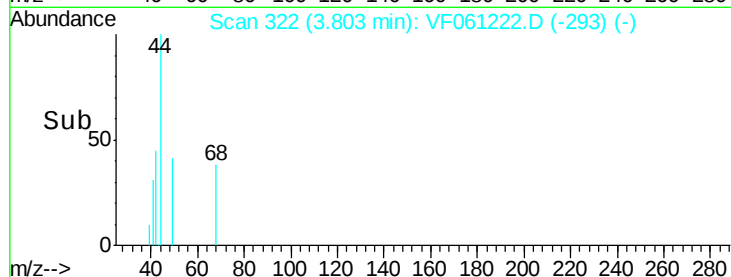
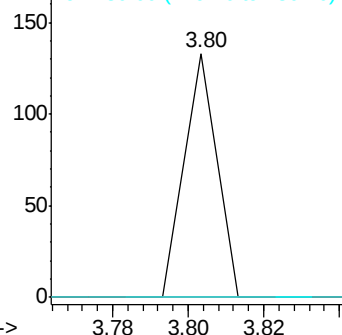
Tgt Ion:	49	Resp:	79
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	0.0	65.8	98.6#



Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V



#29

Tetrahydrofuran

Concen: 10.189 ug/l

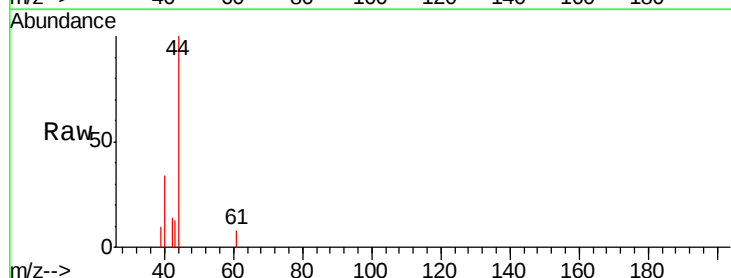
RT: 4.02 min Scan# 344

Delta R.T. -0.05 min

Lab File: VF061222.D

Acq: 27 Dec 2018 21:57

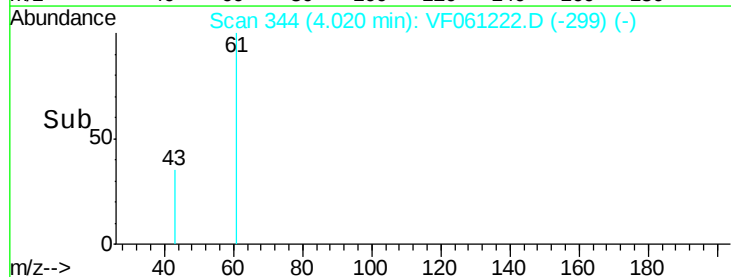
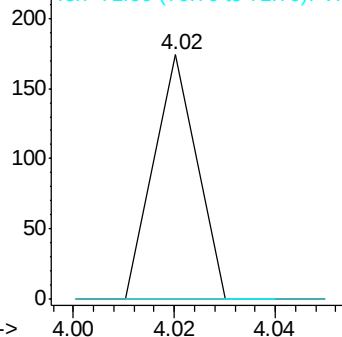
Tgt Ion:	42	Resp:	103
Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.8	47.8#
71	0.0	29.7	44.5#

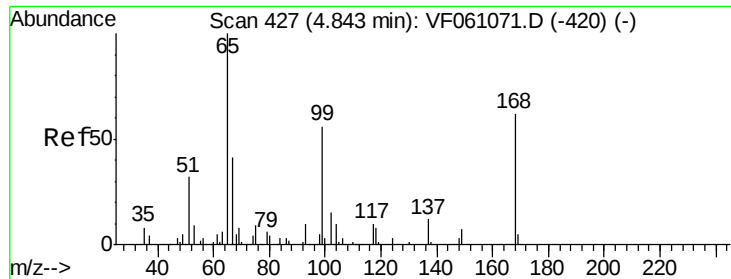


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 18.615 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.01 min

Lab File: VF061222.D

Acq: 27 Dec 2018 21:57

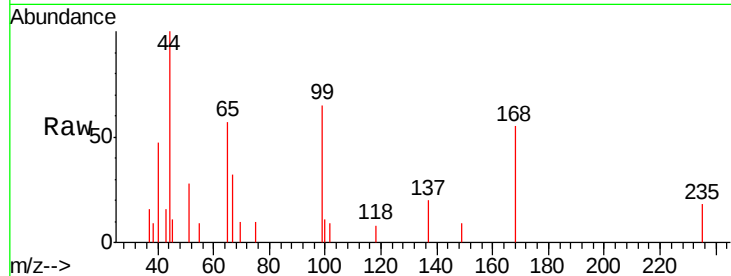
Instrument :
MSVOA_F
ClientSampleId :
TN-122618-CRE

Tgt Ion: 65 Resp: 1426

Ion Ratio Lower Upper

65 100

67 57.0 0.0 94.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

800

600

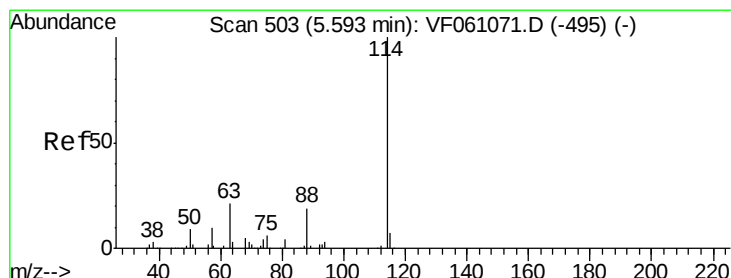
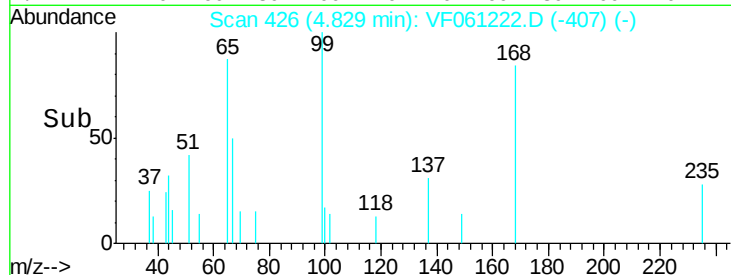
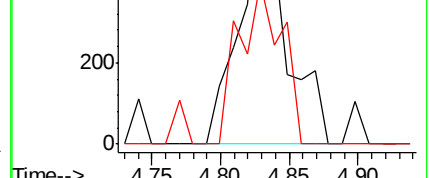
400

200

0

4.75 4.80 4.85 4.90

4.83



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF061222.D

Acq: 27 Dec 2018 21:57

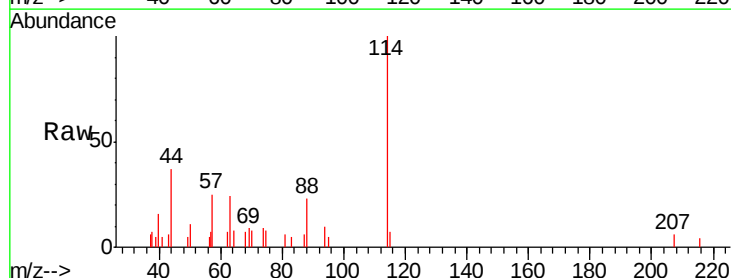
Tgt Ion: 114 Resp: 7918

Ion Ratio Lower Upper

114 100

63 24.2 0.0 41.6

88 23.2 0.0 38.0



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

3000

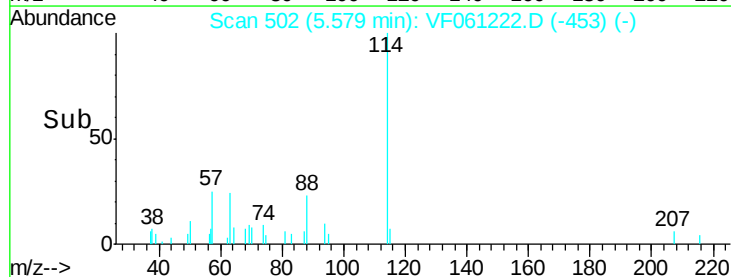
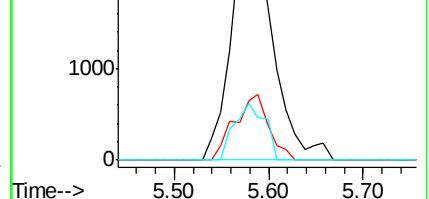
2000

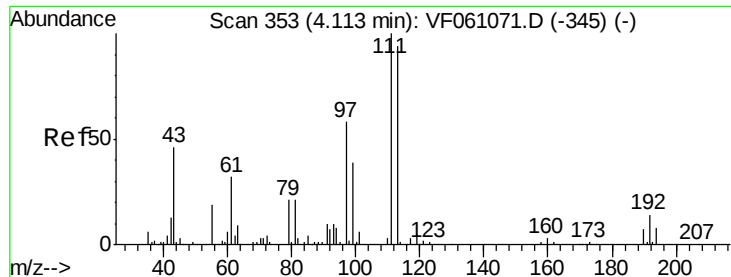
1000

0

5.50 5.60 5.70

5.58





#35

Dibromofluoromethane

Concen: 39.115 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

Lab File: VF061222.D

Acq: 27 Dec 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

TN-122618-CRE

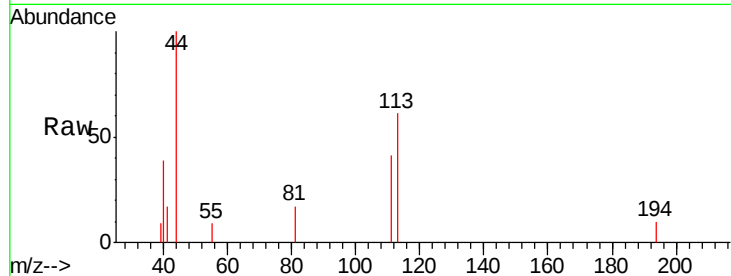
Tgt Ion: 113 Resp: 2481

Ion Ratio Lower Upper

113 100

111 66.8 85.2 127.8#

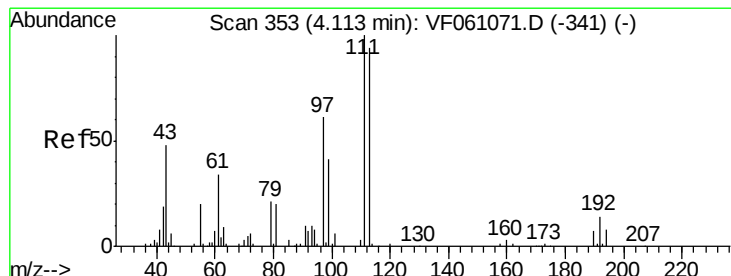
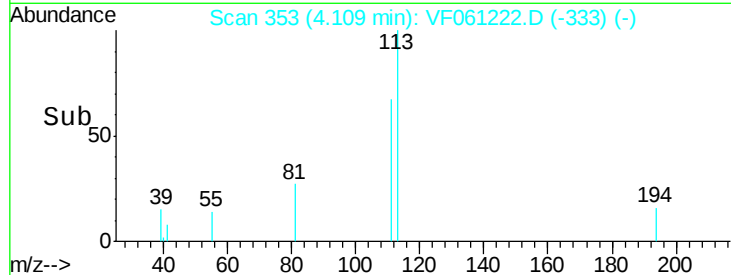
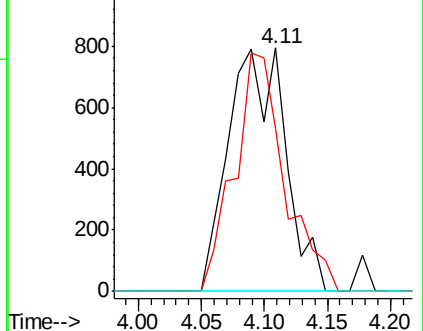
192 0.0 12.8 19.2#



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



#37

Ethyl Acetate

Concen: 10.727 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF061222.D

Acq: 27 Dec 2018 21:57

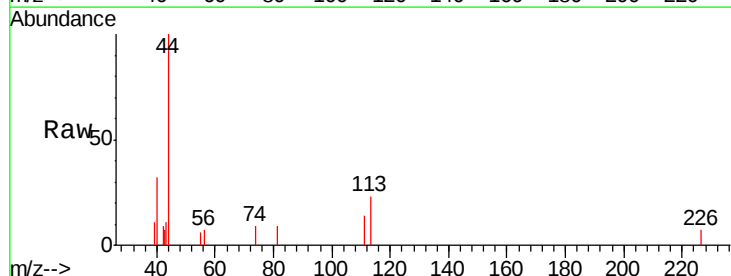
Tgt Ion: 43 Resp: 458

Ion Ratio Lower Upper

43 100

61 0.0 56.6 84.8#

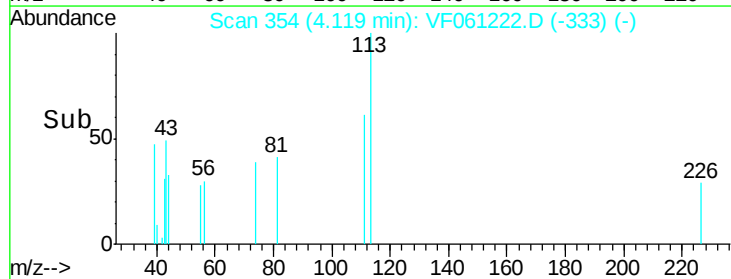
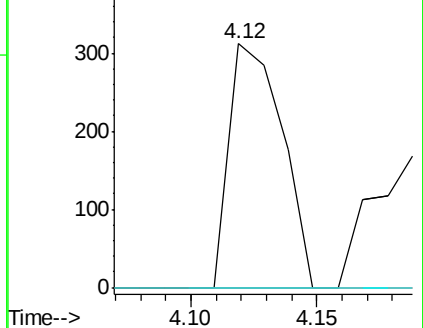
70 0.0 6.3 9.5#

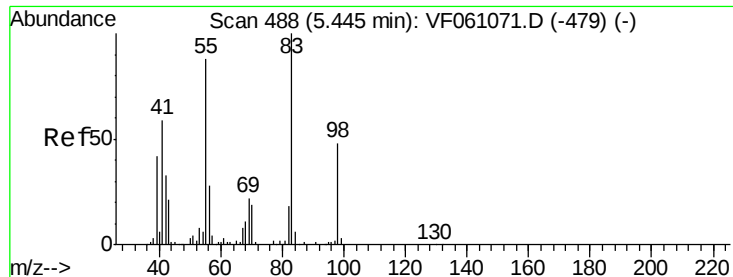


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

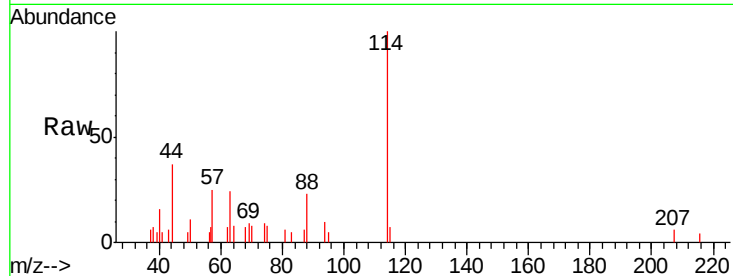




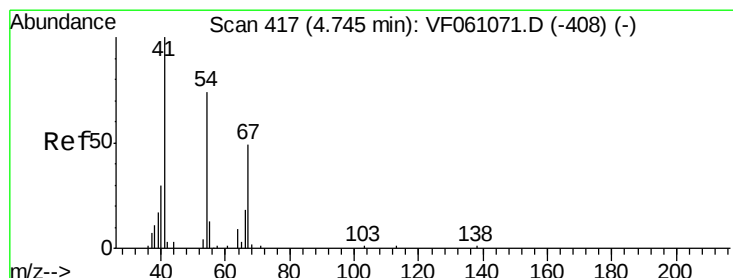
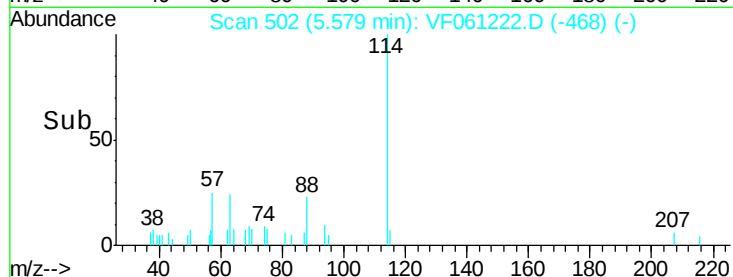
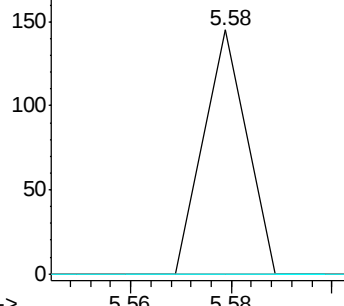
#39
Methylcyclohexane
Concen: 1.003 ug/l
RT: 5.58 min Scan# 502
Delta R.T. 0.13 min
Lab File: VF061222.D
Acq: 27 Dec 2018 21:57

Instrument :
MSVOA_F
ClientSampleId :
TN-122618-CRE

Tgt Ion: 83 Resp: 86
Ion Ratio Lower Upper
83 100
55 0.0 70.6 105.8#
98 0.0 38.5 57.7#

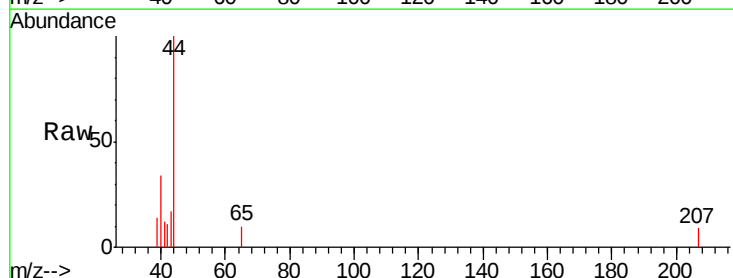


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

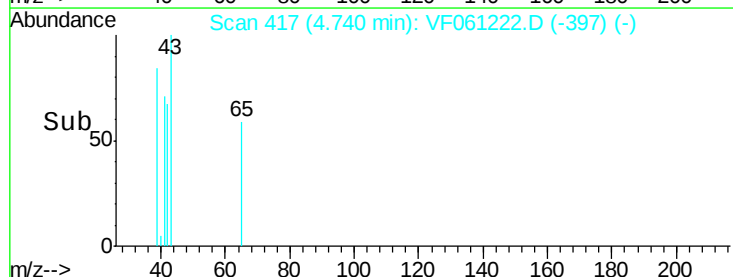
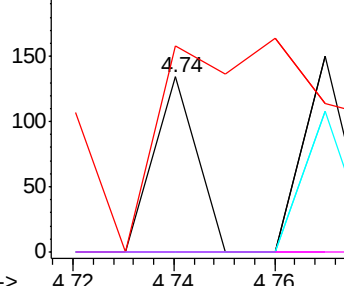


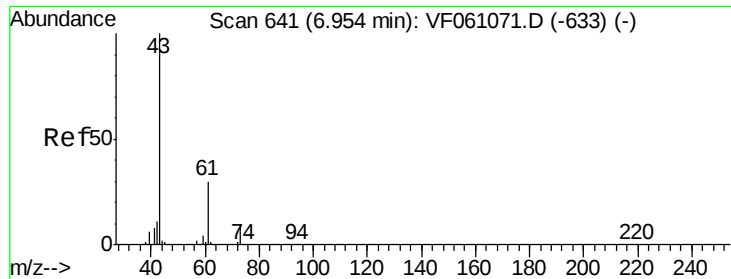
#41
Methacrylonitrile
Concen: 3.914 ug/l
RT: 4.74 min Scan# 417
Delta R.T. -0.00 min
Lab File: VF061222.D
Acq: 27 Dec 2018 21:57

Tgt Ion: 41 Resp: 79
Ion Ratio Lower Upper
41 100
39 117.9 45.7 68.5#
67 0.0 38.9 58.3#
52 0.0 35.2 52.8#



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: 9.188 ug/l

RT: 6.91 min Scan# 637

Delta R.T. -0.04 min

Lab File: VF061222.D

Acq: 27 Dec 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

TN-122618-CRE

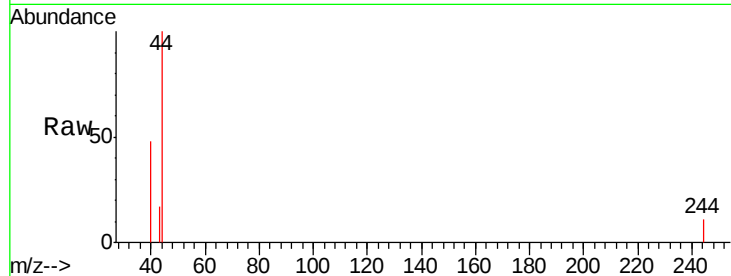
Tgt Ion: 43 Resp: 424

Ion Ratio Lower Upper

43 100

61 0.0 23.8 35.8#

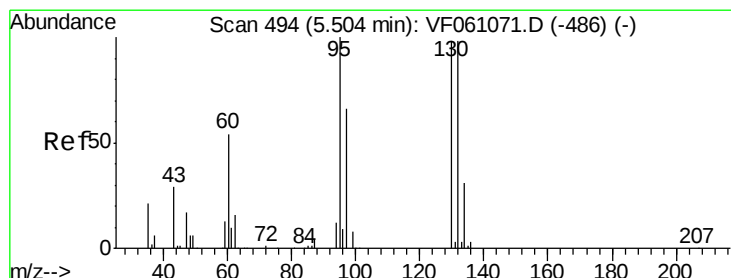
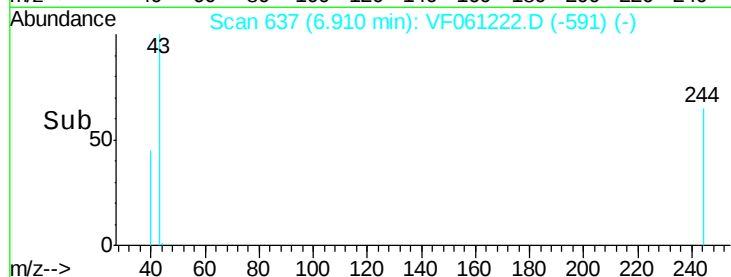
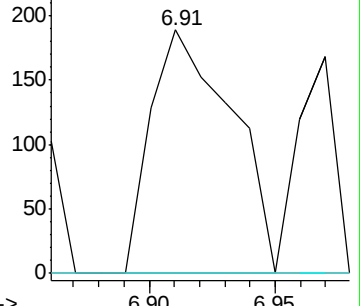
87 0.0 0.0 0.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 1.080 ug/l

RT: 5.61 min Scan# 505

Delta R.T. 0.10 min

Lab File: VF061222.D

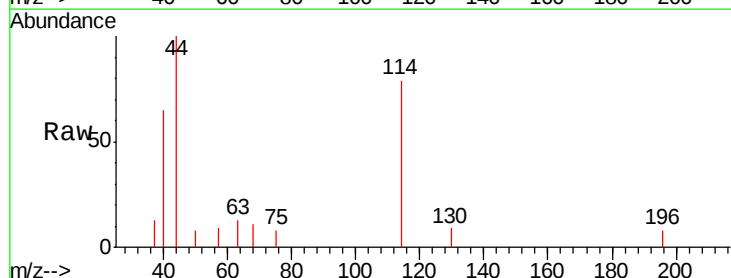
Acq: 27 Dec 2018 21:57

Tgt Ion: 130 Resp: 70

Ion Ratio Lower Upper

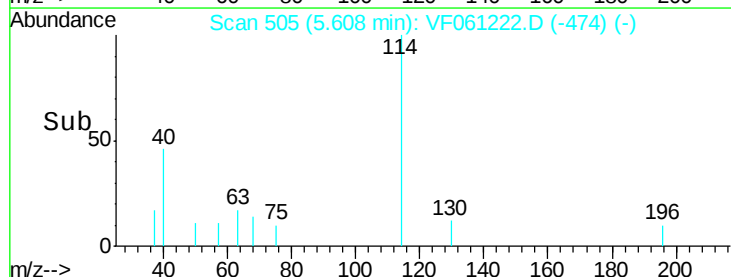
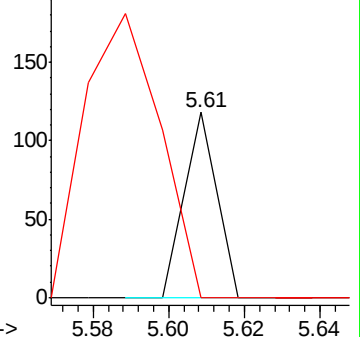
130 100

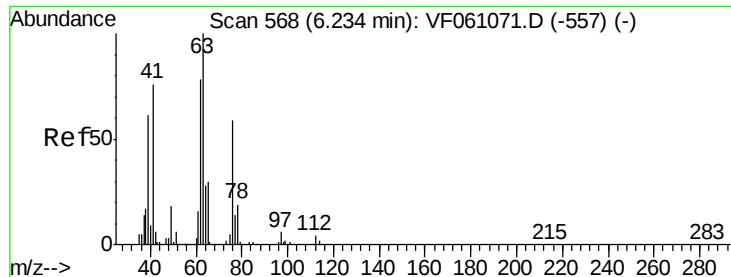
95 0.0 0.0 205.2



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 1.109 ug/l

RT: 6.17 min Scan# 562

Delta R.T. -0.06 min

Lab File: VF061222.D

Acq: 27 Dec 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

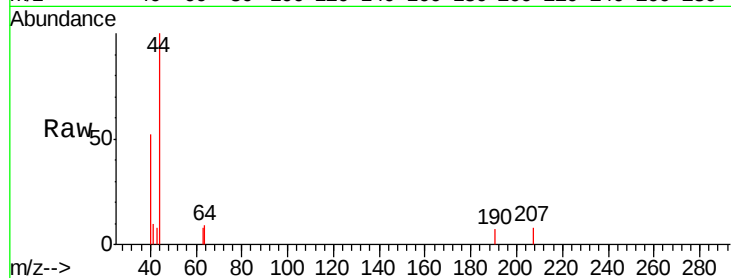
TN-122618-CRE

Tgt Ion: 63 Resp: 62

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

6.17

120

100

80

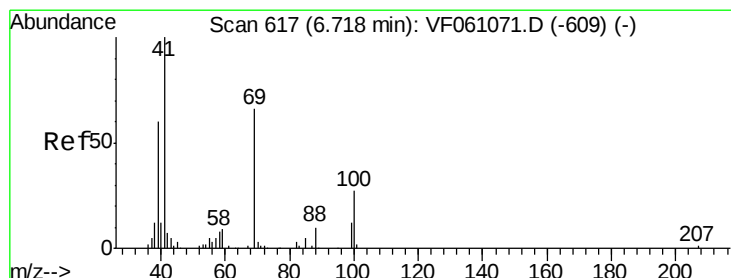
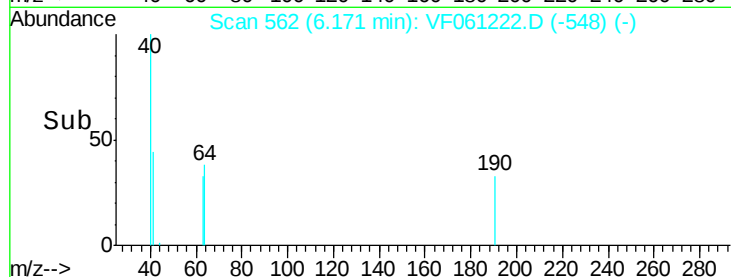
60

40

20

0

Time-->



#48

Methyl methacrylate

Concen: 2.576 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.02 min

Lab File: VF061222.D

Acq: 27 Dec 2018 21:57

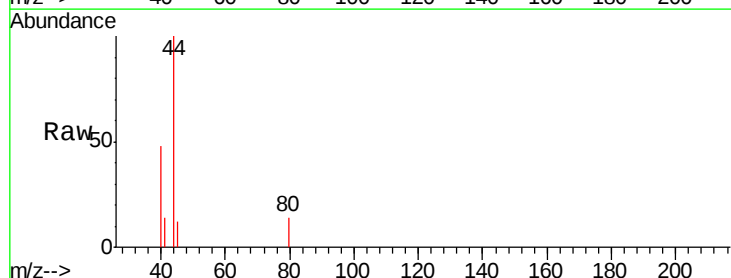
Tgt Ion: 41 Resp: 83

Ion Ratio Lower Upper

41 100

69 0.0 52.7 79.1#

39 0.0 47.8 71.6#



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

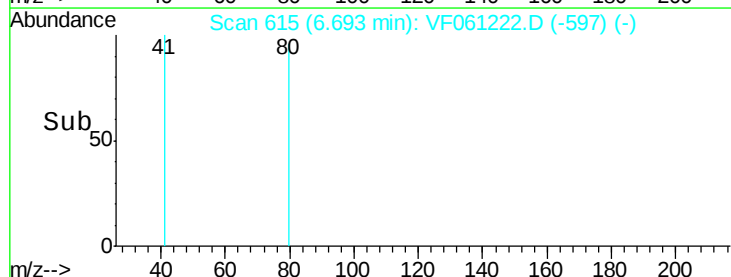
150

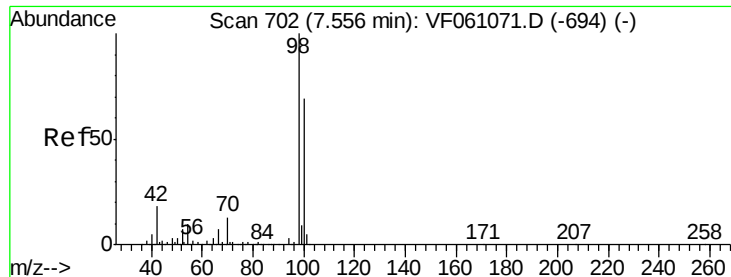
100

50

0

Time-->

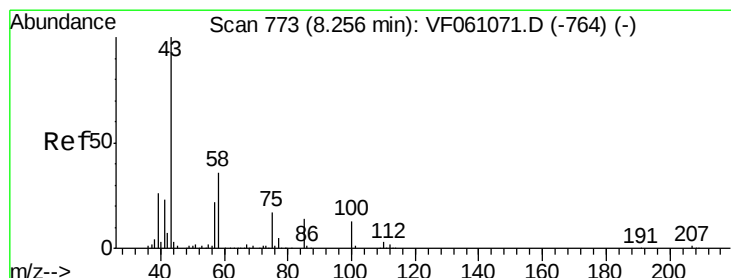
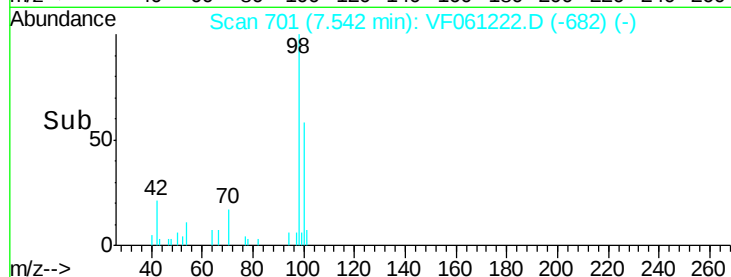
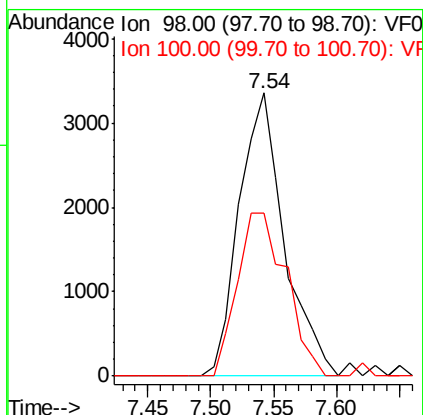
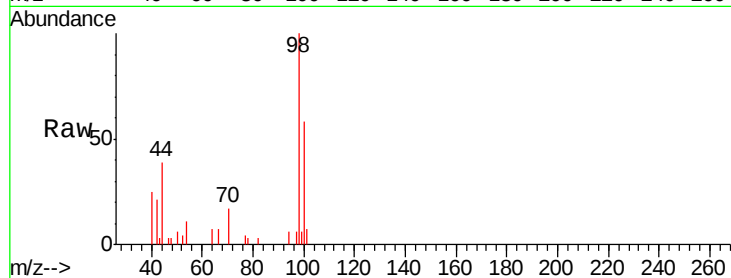




#50
Toluene-d8
Concen: 46.460 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.01 min
Lab File: VF061222.D
Acq: 27 Dec 2018 21:57

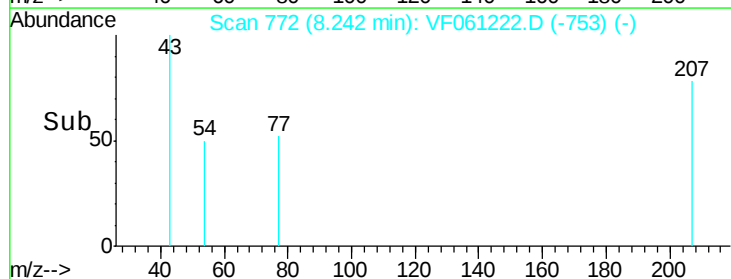
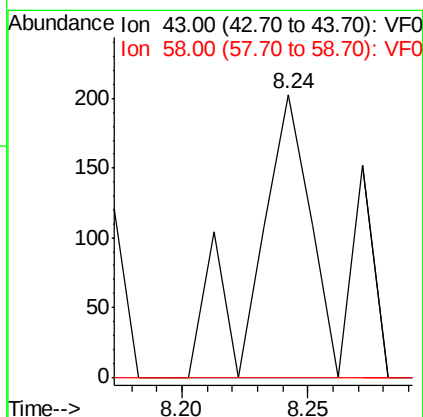
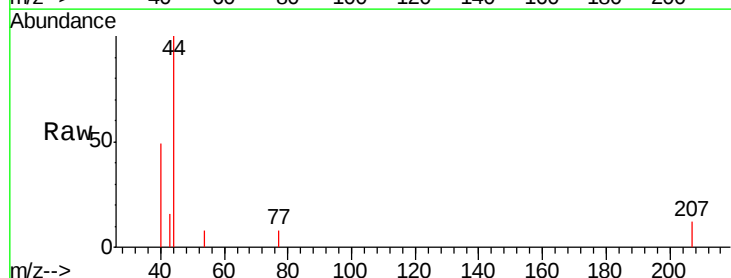
Instrument :
MSVOA_F
ClientSampleId :
TN-122618-CRE

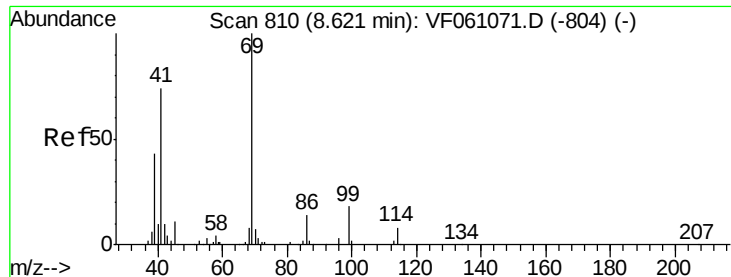
Tgt Ion: 98 Resp: 8351
Ion Ratio Lower Upper
98 100
100 57.6 55.3 82.9



#51
4-Methyl-2-Pentanone
Concen: 9.795 ug/l
RT: 8.24 min Scan# 772
Delta R.T. -0.01 min
Lab File: VF061222.D
Acq: 27 Dec 2018 21:57

Tgt Ion: 43 Resp: 310
Ion Ratio Lower Upper
43 100
58 0.0 29.1 43.7#





#56

Ethyl methacrylate

Concen: 1.405 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.01 min

Lab File: VF061222.D

Acq: 27 Dec 2018 21:57

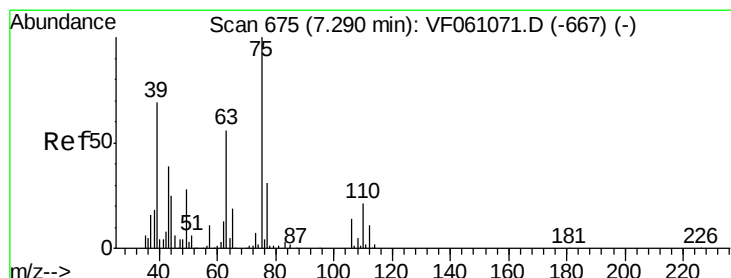
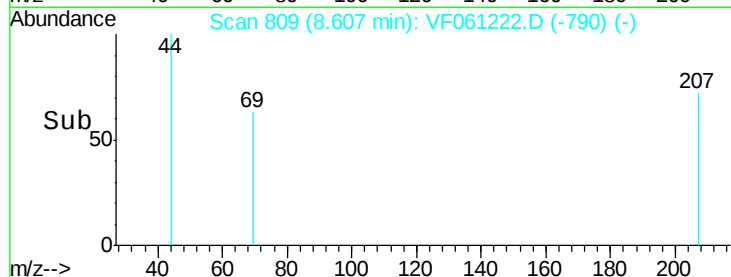
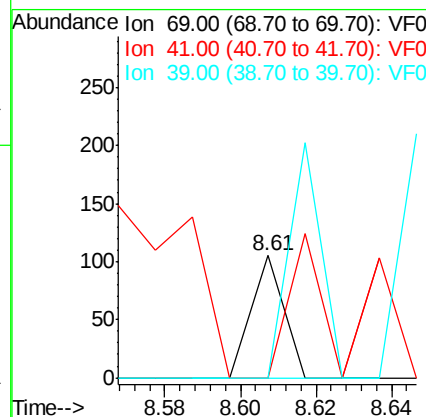
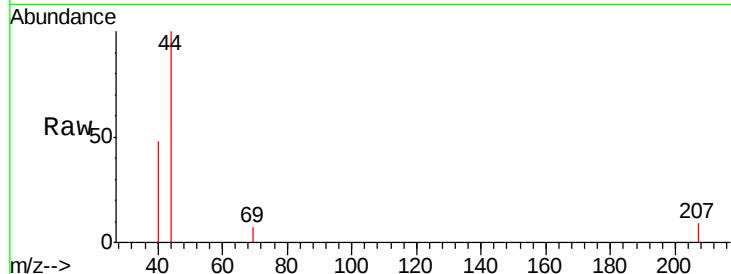
Instrument :

MSVOA_F

ClientSampleId :

TN-122618-CRE

Tgt Ion:	69	Resp:	62
Ion	Ratio	Lower	Upper
69	100		
41	0.0	59.7	89.5#
39	0.0	35.0	52.6#



#58

2-Chloroethyl Vinyl ether

Concen: 11.326 ug/l

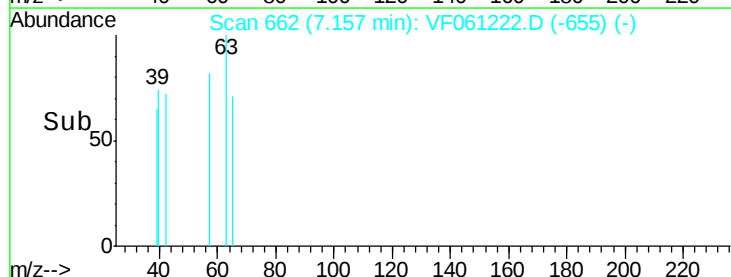
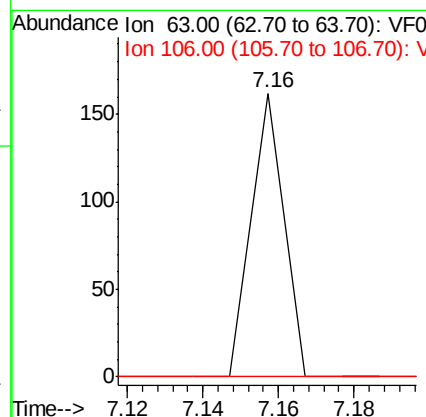
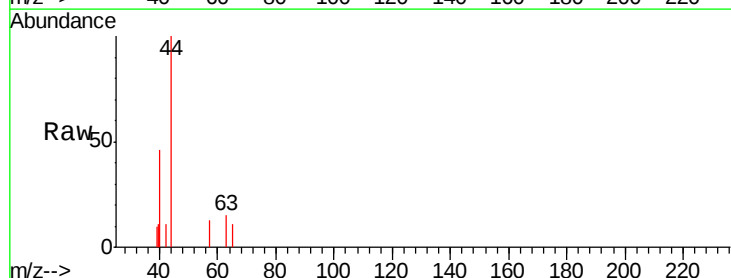
RT: 7.16 min Scan# 662

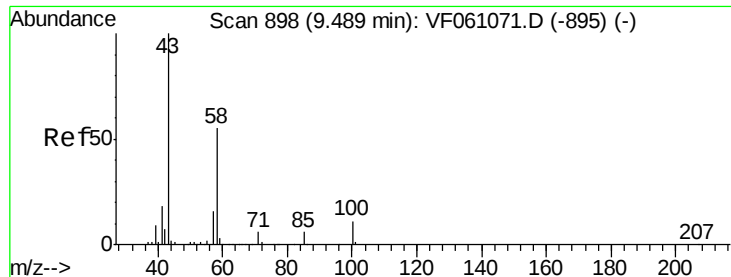
Delta R.T. -0.13 min

Lab File: VF061222.D

Acq: 27 Dec 2018 21:57

Tgt Ion:	63	Resp:	96
Ion	Ratio	Lower	Upper
63	100		
106	0.0	19.8	29.8#

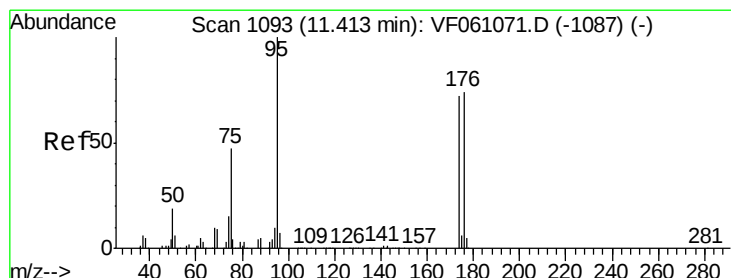
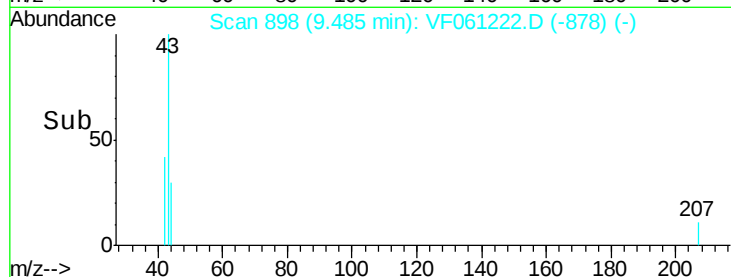
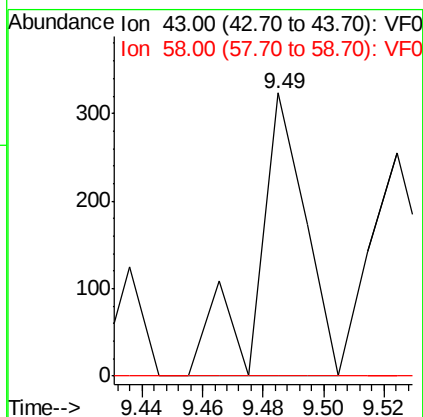
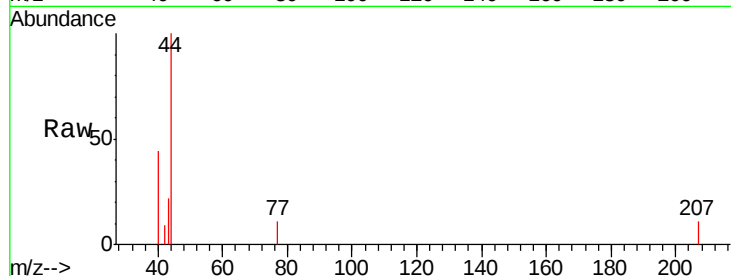




#59
2-Hexanone
Concen: 15.641 ug/l
RT: 9.49 min Scan# 898
Delta R.T. -0.00 min
Lab File: VF061222.D
Acq: 27 Dec 2018 21:57

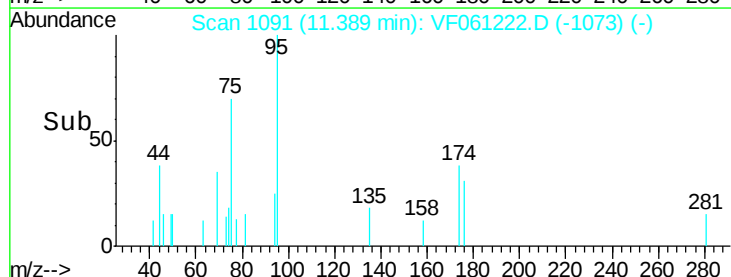
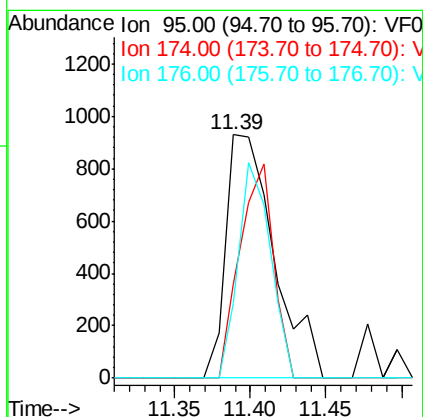
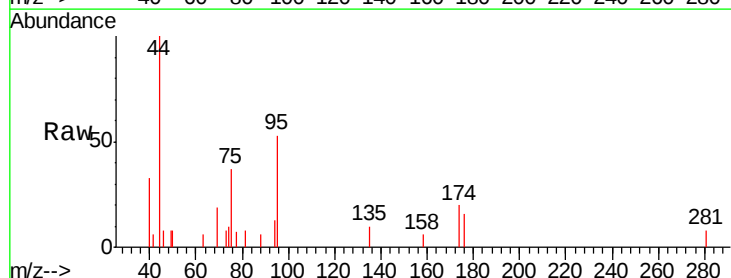
Instrument :
MSVOA_F
ClientSampleId :
TN-122618-CRE

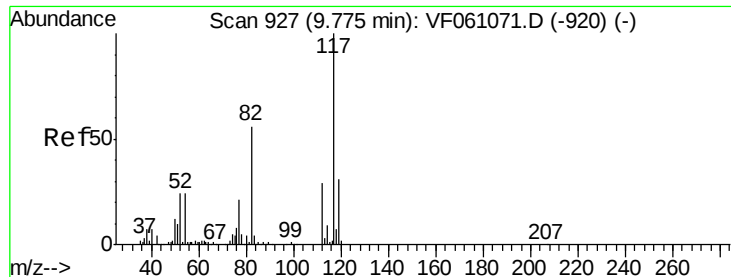
Tgt Ion: 43 Resp: 358
Ion Ratio Lower Upper
43 100
58 0.0 25.1 75.2#



#62
4-Bromofluorobenzene
Concen: 25.089 ug/l
RT: 11.39 min Scan# 1091
Delta R.T. -0.02 min
Lab File: VF061222.D
Acq: 27 Dec 2018 21:57

Tgt Ion: 95 Resp: 2079
Ion Ratio Lower Upper
95 100
174 38.4 0.0 143.8
176 30.9 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.76 min Scan# 926

Delta R.T. -0.01 min

Lab File: VF061222.D

Acq: 27 Dec 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

TN-122618-CRE

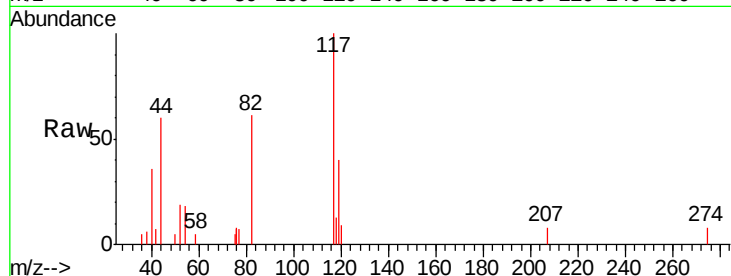
Tgt Ion:117 Resp: 5500

Ion Ratio Lower Upper

117 100

82 61.1 45.0 67.4

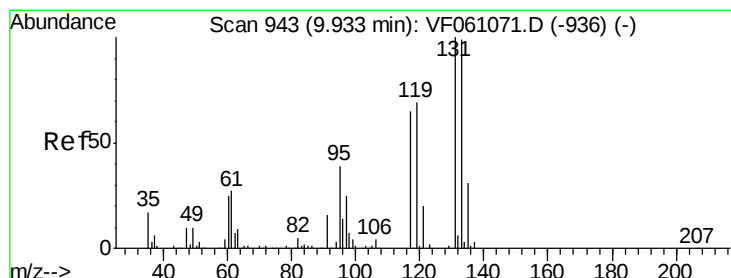
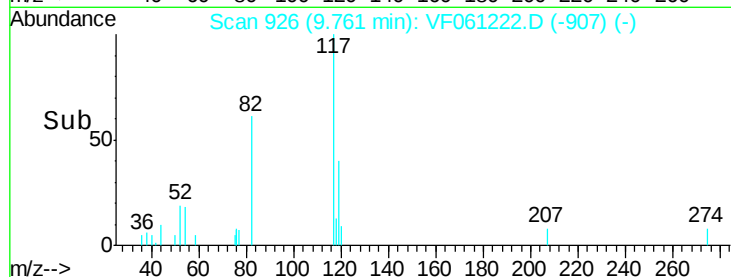
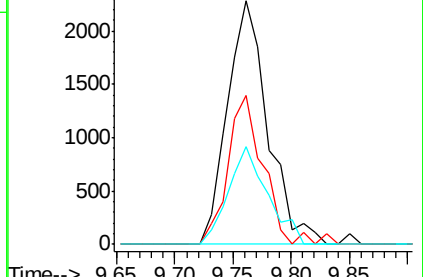
119 40.0 24.8 37.2#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 1.335 ug/l

RT: 9.77 min Scan# 927

Delta R.T. -0.16 min

Lab File: VF061222.D

Acq: 27 Dec 2018 21:57

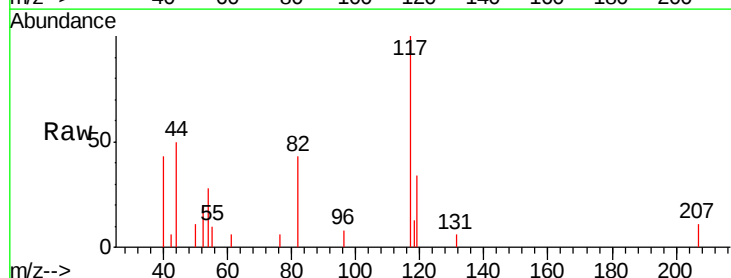
Tgt Ion:131 Resp: 62

Ion Ratio Lower Upper

131 100

133 0.0 49.5 148.7#

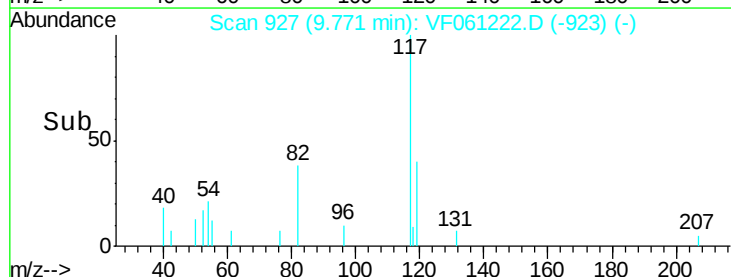
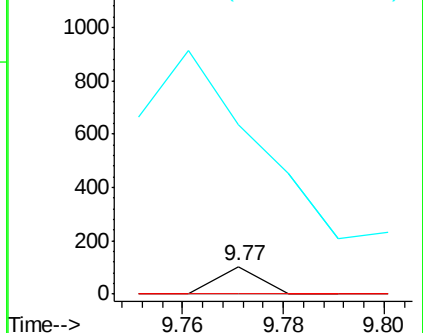
119 606.7 34.5 103.5#

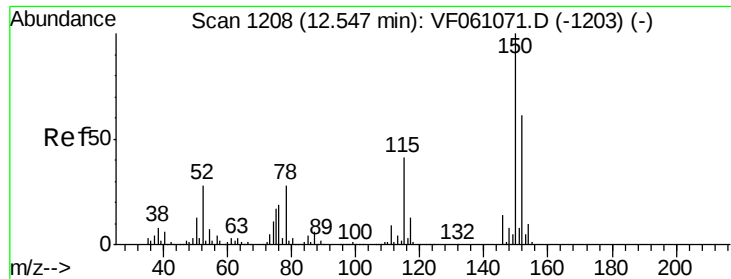


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061222.D

Acq: 27 Dec 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

TN-122618-CRE

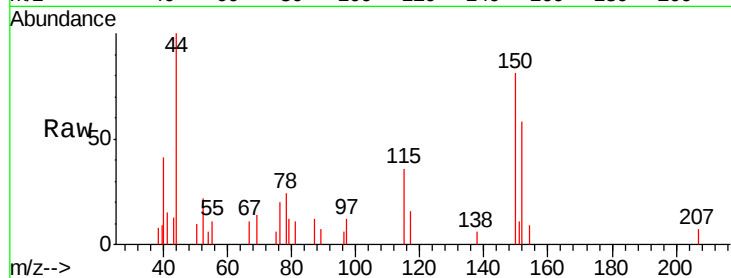
Tgt Ion: 152 Resp: 1638

Ion Ratio Lower Upper

152 100

115 62.4 33.3 99.9

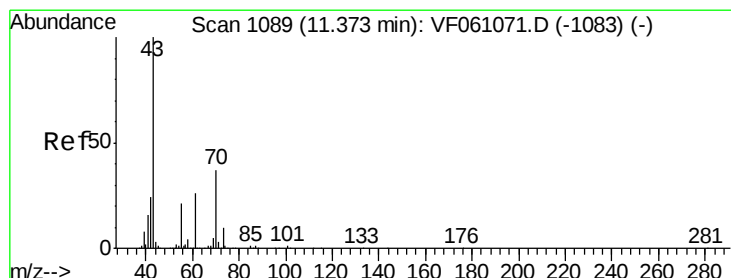
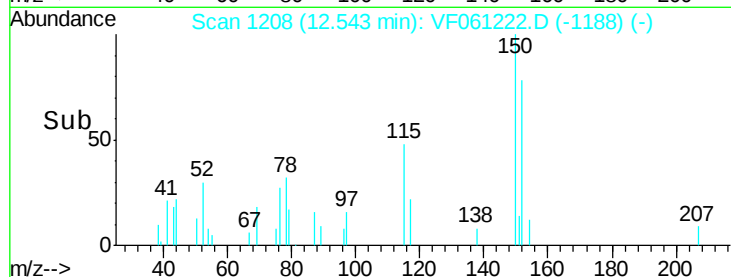
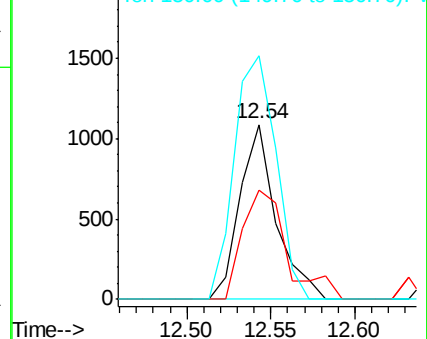
150 139.1 0.0 328.2



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#74

N-ethyl acetate

Concen: 8.807 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VF061222.D

Acq: 27 Dec 2018 21:57

Tgt Ion: 43 Resp: 276

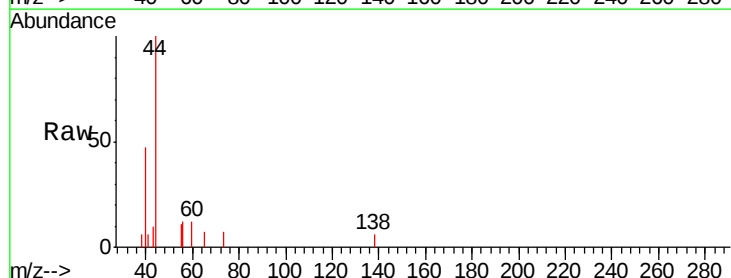
Ion Ratio Lower Upper

43 100

70 0.0 29.2 43.8#

55 112.0 16.5 24.7#

61 0.0 20.7 31.1#

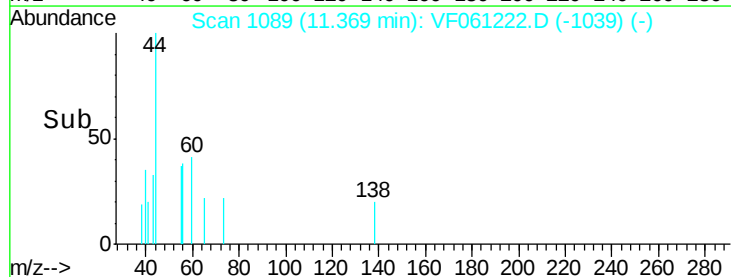
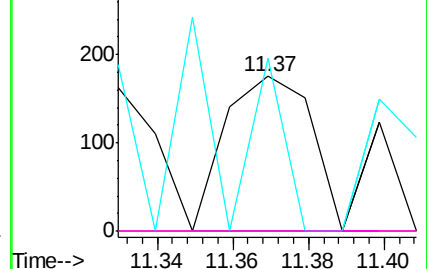


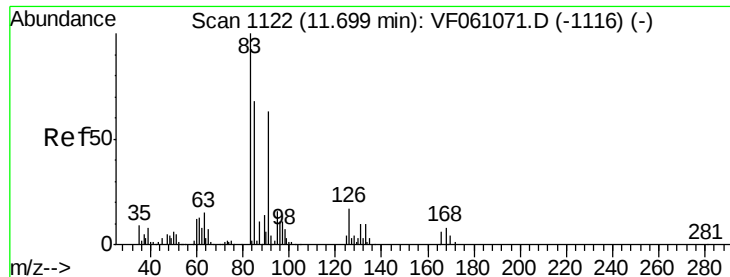
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 2.817 ug/l

RT: 11.73 min Scan# 1126

Delta R.T. 0.04 min

Lab File: VF061222.D

Acq: 27 Dec 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

TN-122618-CRE

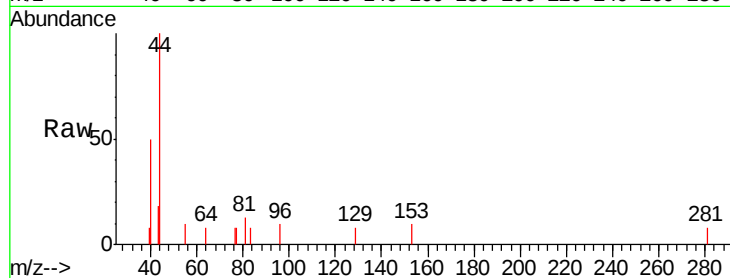
Tgt Ion: 83 Resp: 66

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

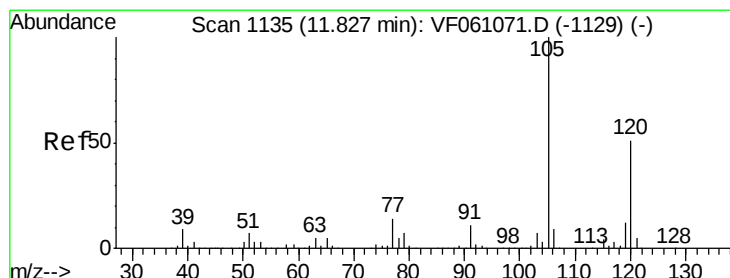
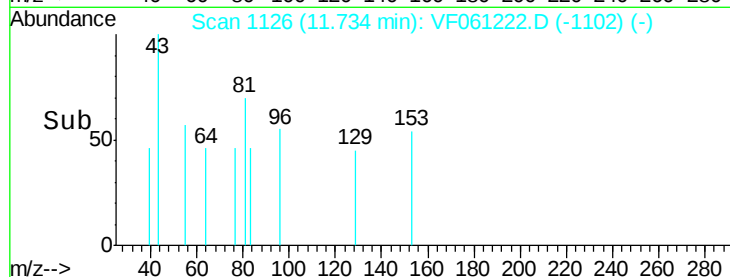
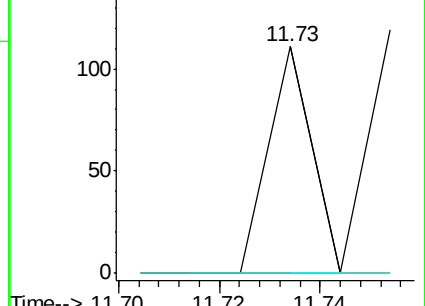
85 0.0 33.9 101.6#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#80

1,3,5-Trimethylbenzene

Concen: 1.161 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. -0.02 min

Lab File: VF061222.D

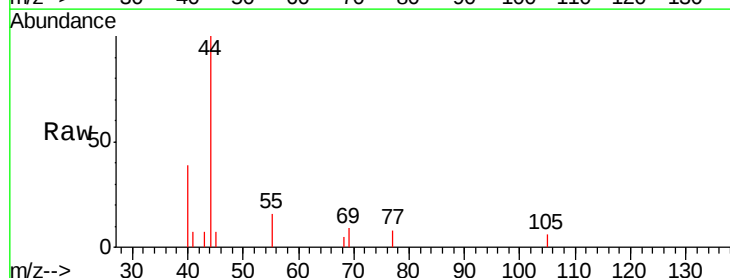
Acq: 27 Dec 2018 21:57

Tgt Ion: 105 Resp: 135

Ion Ratio Lower Upper

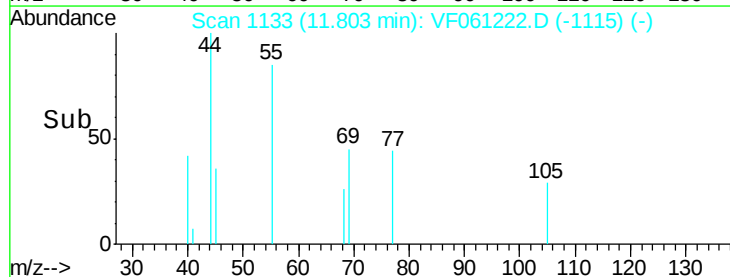
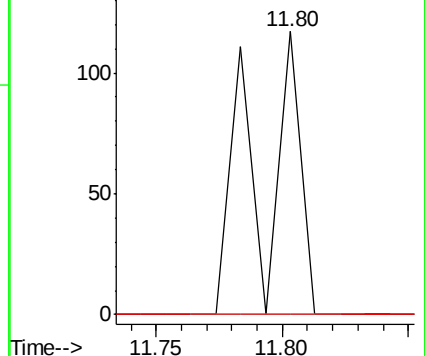
105 100

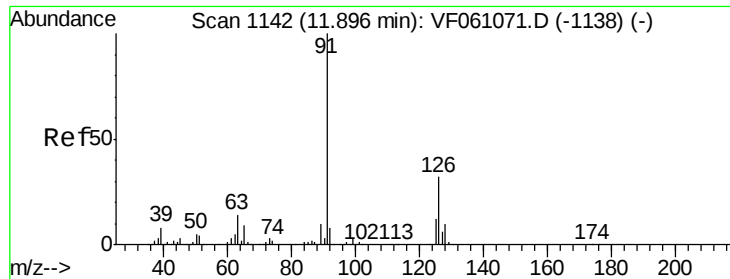
120 0.0 25.4 76.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#82

4-Chlorotoluene

Concen: 1.288 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF061222.D

Acq: 27 Dec 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

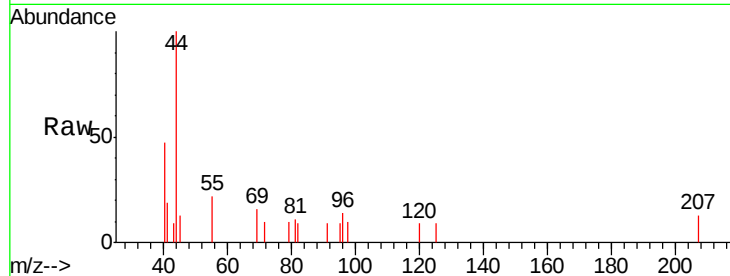
TN-122618-CRE

Tgt Ion: 91 Resp: 129

Ion Ratio Lower Upper

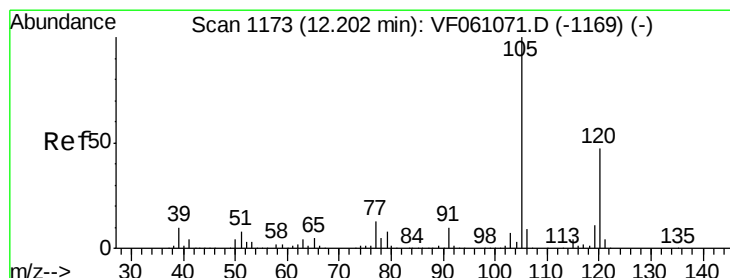
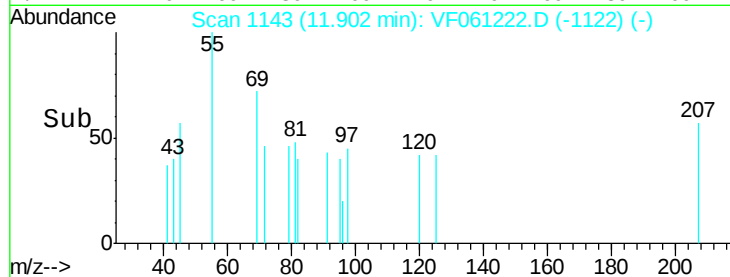
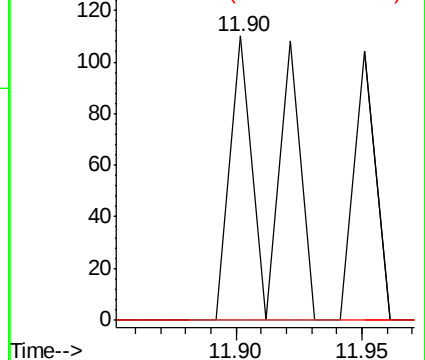
91 100

126 0.0 16.0 47.9#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#84

1,2,4-Trimethylbenzene

Concen: 1.872 ug/l

RT: 12.20 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VF061222.D

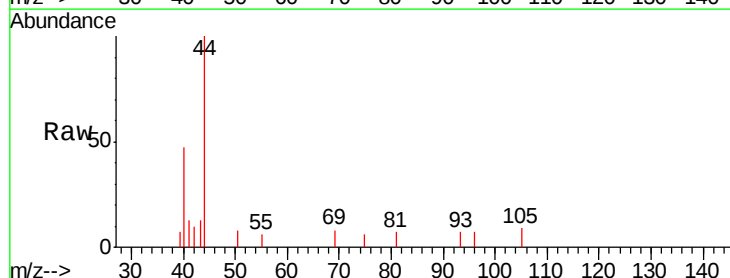
Acq: 27 Dec 2018 21:57

Tgt Ion: 105 Resp: 217

Ion Ratio Lower Upper

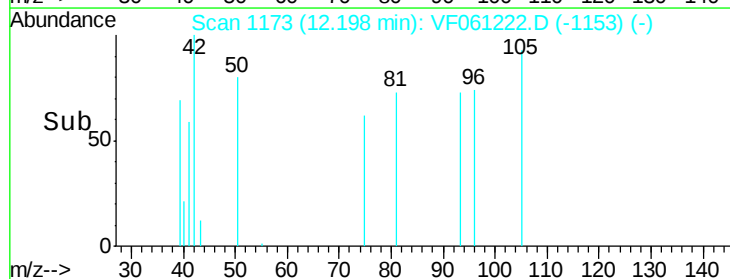
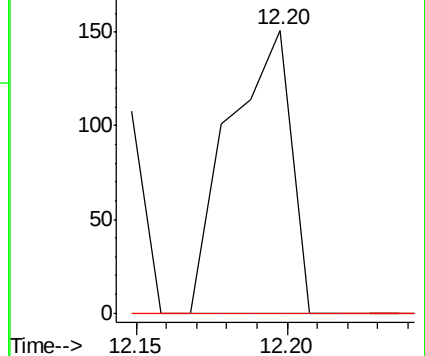
105 100

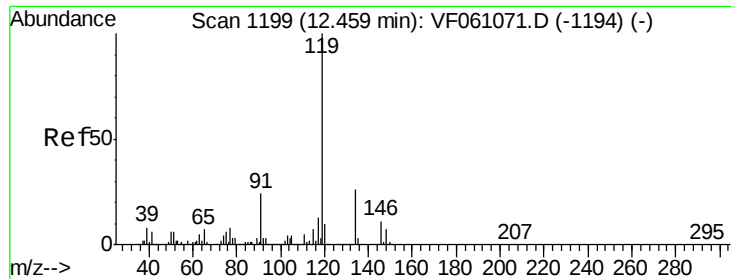
120 0.0 23.6 71.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

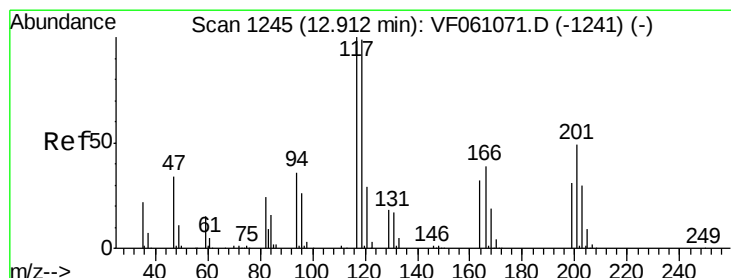
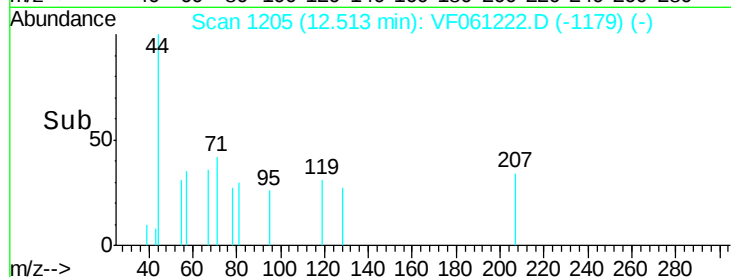
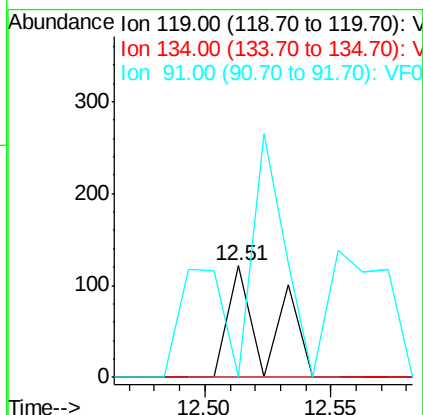
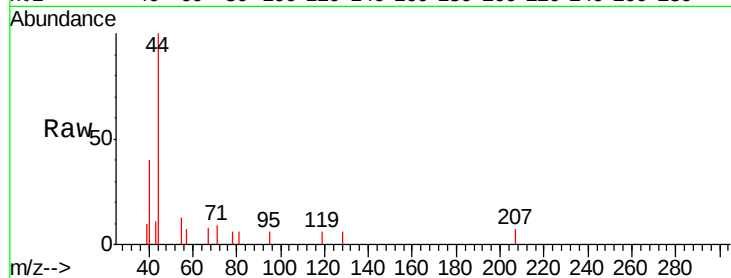




#86
p-Isopropyltoluene
Concen: 1.011 ug/l
RT: 12.51 min Scan# 1205
Delta R.T. 0.06 min
Lab File: VF061222.D
Acq: 27 Dec 2018 21:57

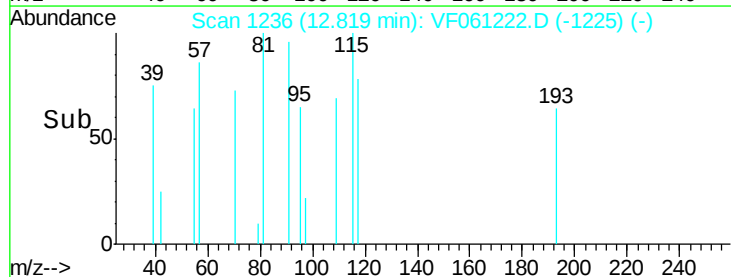
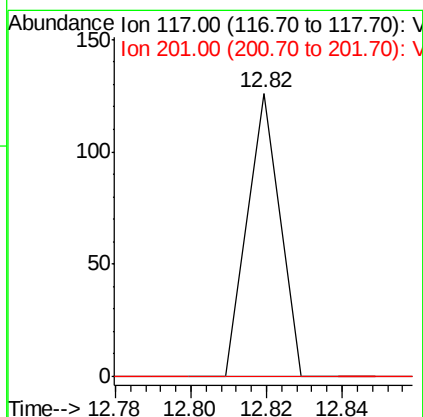
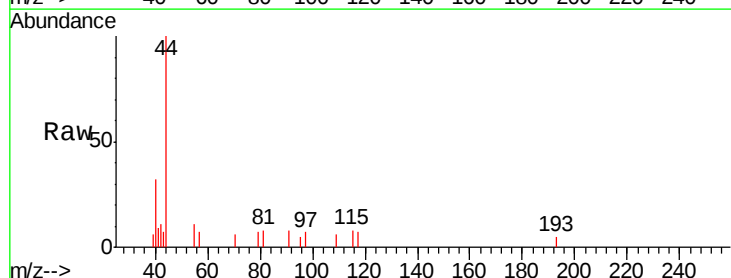
Instrument :
MSVOA_F
ClientSampleId :
TN-122618-CRE

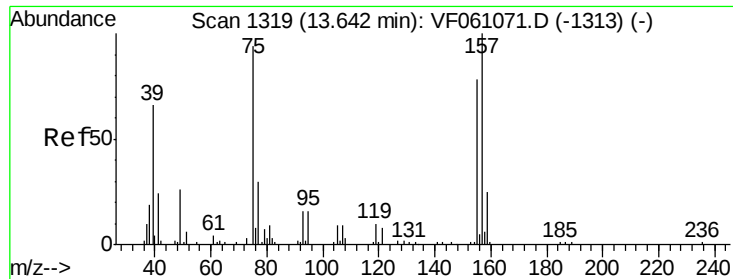
Tgt Ion:119 Resp: 131
Ion Ratio Lower Upper
119 100
134 0.0 12.8 38.4#
91 0.0 12.2 36.6#



#90
Hexachloroethane
Concen: 2.343 ug/l
RT: 12.82 min Scan# 1236
Delta R.T. -0.09 min
Lab File: VF061222.D
Acq: 27 Dec 2018 21:57

Tgt Ion:117 Resp: 75
Ion Ratio Lower Upper
117 100
201 0.0 24.9 74.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 17.213 ug/l

RT: 13.77 min Scan# 1332

Delta R.T. 0.12 min

Lab File: VF061222.D

Acq: 27 Dec 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

TN-122618-CRE

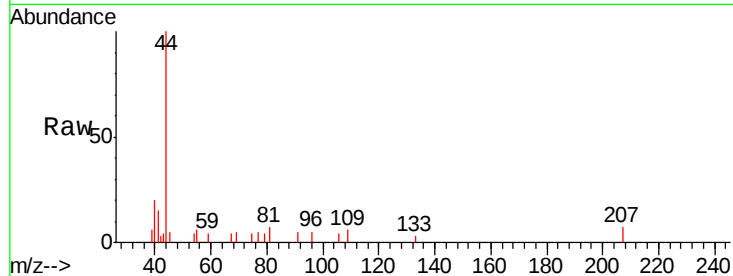
Tgt Ion: 75 Resp: 74

Ion Ratio Lower Upper

75 100

155 0.0 41.5 124.5#

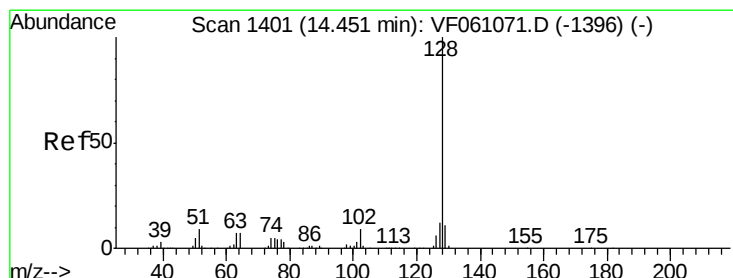
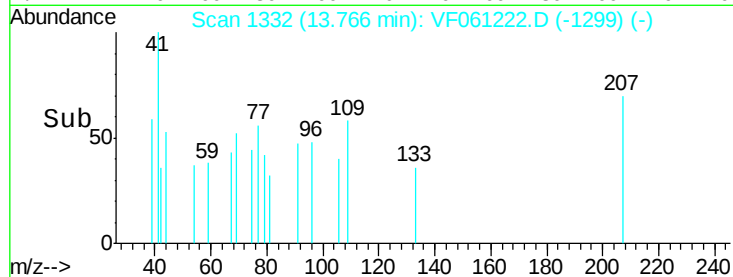
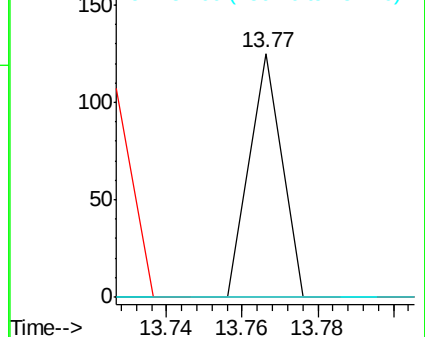
157 0.0 53.2 159.6#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V



#95

Naphthalene

Concen: 1.621 ug/l

RT: 14.48 min Scan# 1404

Delta R.T. 0.03 min

Lab File: VF061222.D

Acq: 27 Dec 2018 21:57

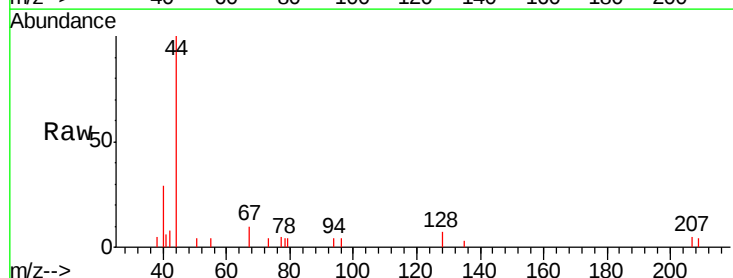
Tgt Ion: 128 Resp: 114

Ion Ratio Lower Upper

128 100

127 0.0 9.4 14.2#

129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

