

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110518\
 Data File : VF060575.D
 Acq On : 5 Nov 2018 16:23
 Operator : VA/AP
 Sample : J5755-11RE
 Misc : 6.06/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-2A-D

Quant Time: Nov 05 15:47:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	245777	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	478843	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.76	117	446622	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	207299	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	115546	46.53	ug/l	-0.02
Spiked Amount			Recovery	=	93.06%	
35) Dibromofluoromethane	4.10	113	155592	42.06	ug/l	0.00
Spiked Amount			Recovery	=	84.12%	
50) Toluene-d8	7.54	98	432980	39.51	ug/l	-0.02
Spiked Amount			Recovery	=	79.02%	
62) 4-Bromofluorobenzene	11.40	95	193536	40.37	ug/l	-0.02
Spiked Amount			Recovery	=	80.74%	

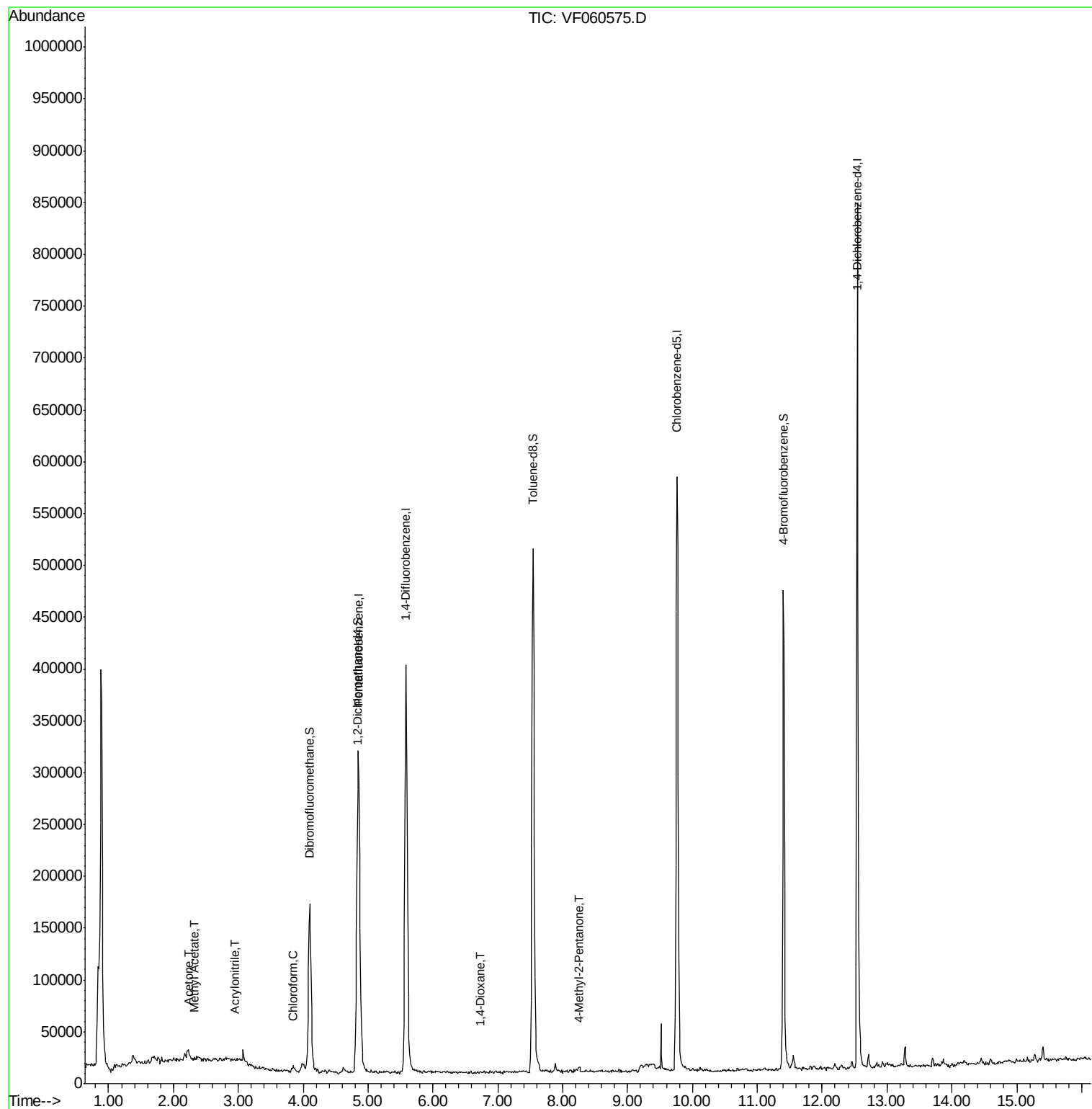
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.97	85	798	Below Cal	#	41
6) Chloroethane	1.36	64	79	Below Cal	#	1
11) Tert butyl alcohol	2.56	59	332	Below Cal	#	1
13) Acrolein	1.99	56	449	Below Cal	#	17
15) Acrylonitrile	2.94	53	463	1.564	ug/l #	60
16) Acetone	2.23	43	14249	24.351	ug/l	95
18) Methyl Acetate	2.32	43	1334	1.933	ug/l #	64
20) Methylene Chloride	2.18	84	5986	Below Cal	#	94
25) 2-Butanone	4.34	43	3924	Below Cal	#	85
29) Tetrahydrofuran	4.07	42	680	Below Cal	#	26
30) Chloroform	3.85	83	5753	1.017	ug/l #	73
49) 1,4-Dioxane	6.72	88	125	5.939	ug/l #	1
51) 4-Methyl-2-Pentanone	8.24	43	4449	2.067	ug/l #	70
58) 2-Chloroethyl Vinyl ether	7.61	63	642	Below Cal		100
59) 2-Hexanone	9.49	43	3406	Below Cal		76
74) N-amyl acetate	11.37	43	1805	Below Cal	#	73
89) n-Butylbenzene	12.84	91	2096	Below Cal		86

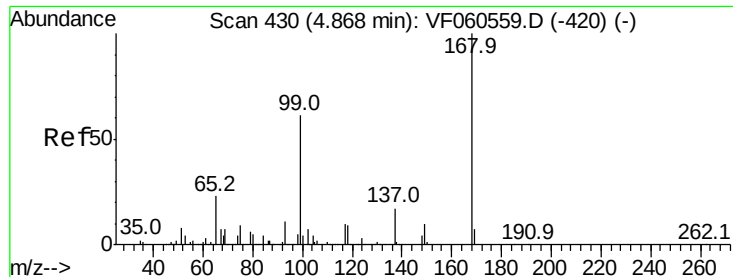
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Nov 03 05:29:31 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF060575.D

Acq: 5 Nov 2018 16:23

Instrument :

MSVOA_F

ClientSampleId :

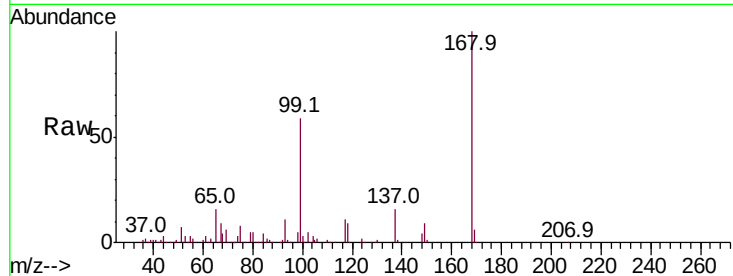
TP-2A-D

Tot Ion:168 Resp: 245777

Ion Ratio Lower Upper

168 100

99 59.0 48.6 72.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

80000

60000

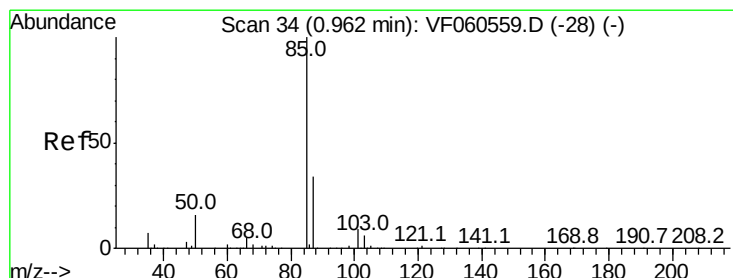
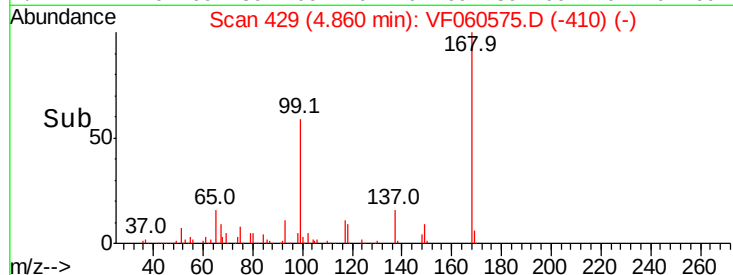
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.97 min Scan# 35

Delta R.T. 0.01 min

Lab File: VF060575.D

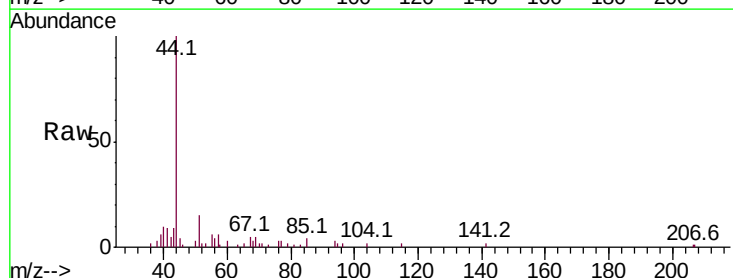
Acq: 5 Nov 2018 16:23

Tgt Ion: 85 Resp: 798

Ion Ratio Lower Upper

85 100

87 0.0 16.9 50.7#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

300

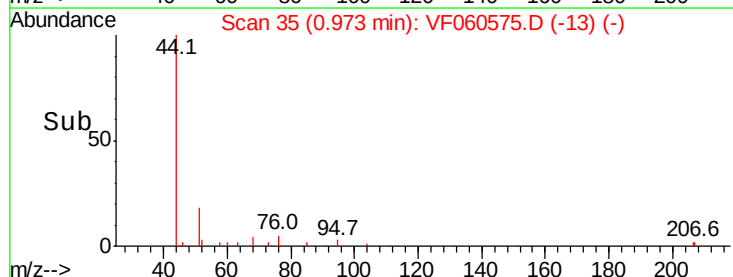
200

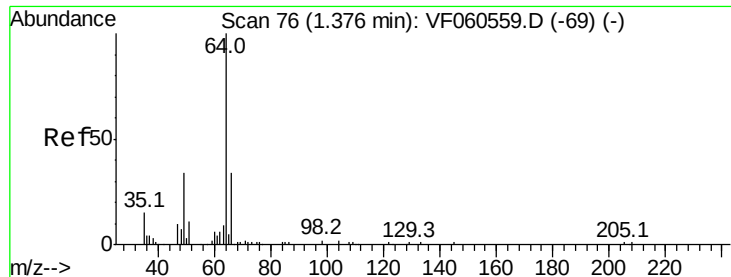
100

0

0.90 0.95 1.00

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.36 min Scan# 74

Delta R.T. -0.02 min

Lab File: VF060575.D

Acq: 5 Nov 2018 16:23

Instrument :

MSVOA_F

ClientSampleId :

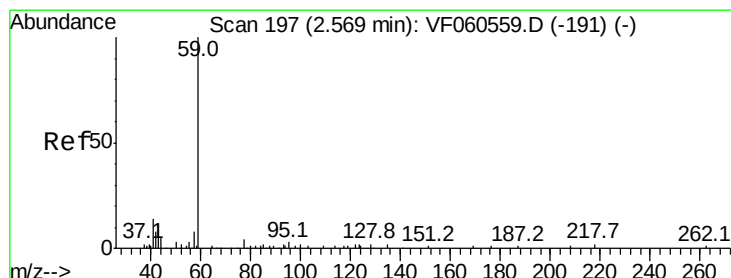
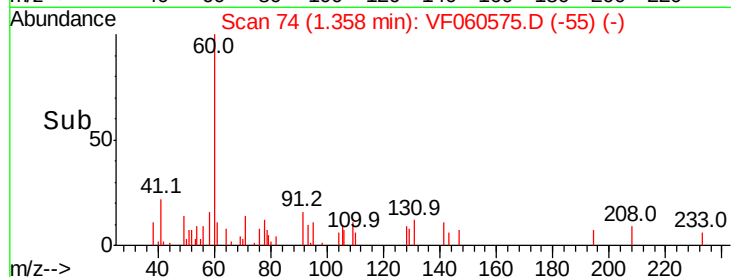
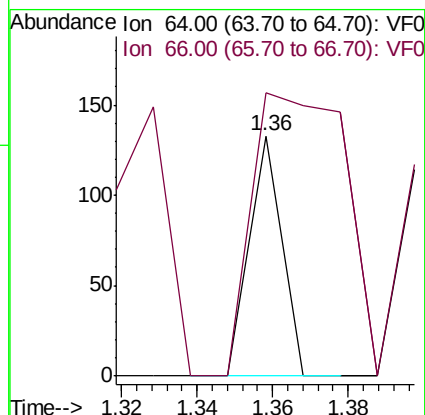
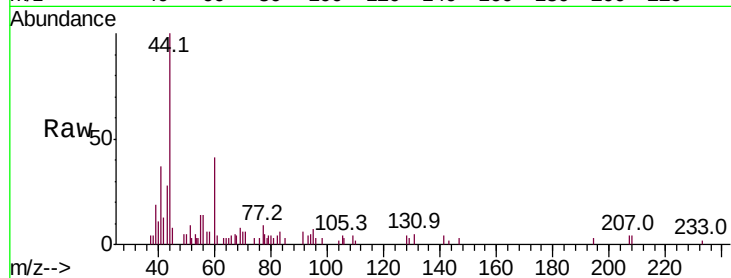
TP-2A-D

Tot Ion: 64 Resp: 79

Ion Ratio Lower Upper

64 100

66 118.0 27.8 41.8#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.56 min Scan# 196

Delta R.T. -0.01 min

Lab File: VF060575.D

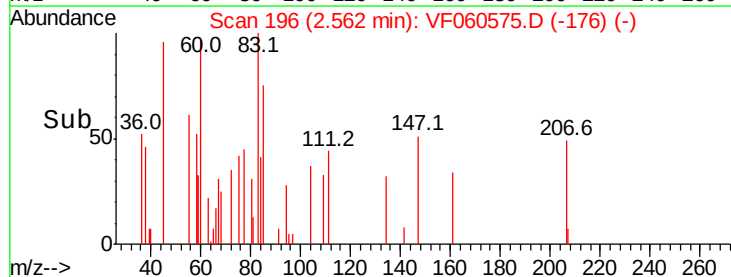
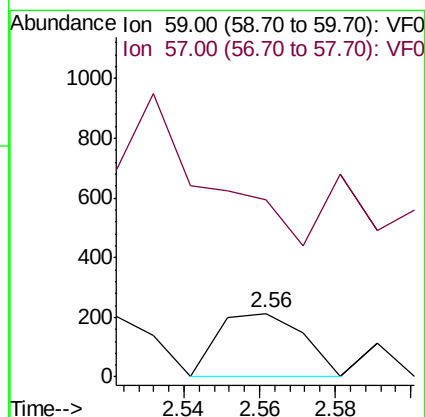
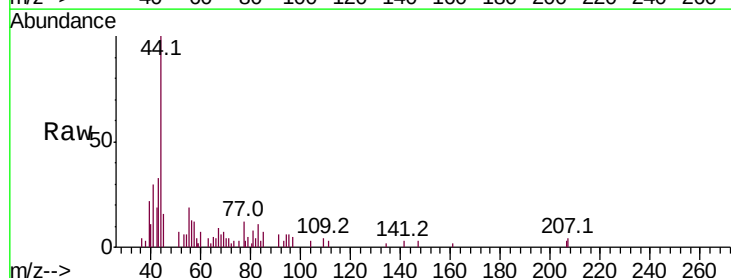
Acq: 5 Nov 2018 16:23

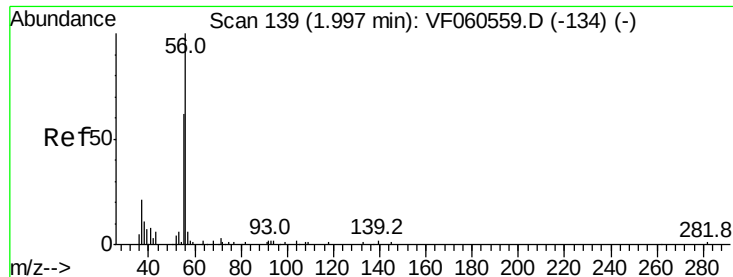
Tgt Ion: 59 Resp: 332

Ion Ratio Lower Upper

59 100

57 278.0 19.0 28.4#





#13

Acrolein

Concen: Below Cal

RT: 1.99 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF060575.D

Acq: 5 Nov 2018 16:23

Instrument :

MSVOA_F

ClientSampleId :

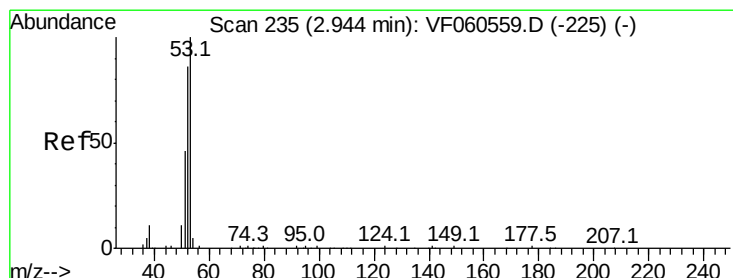
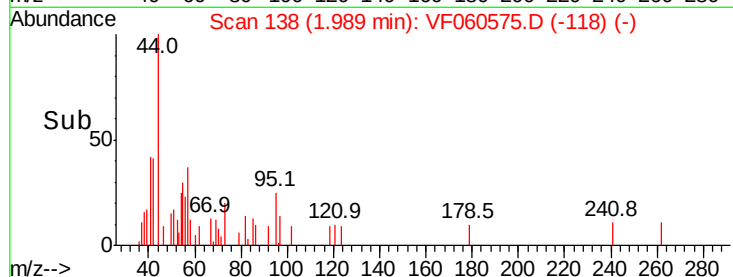
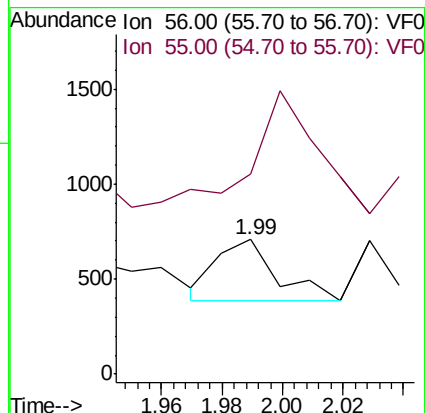
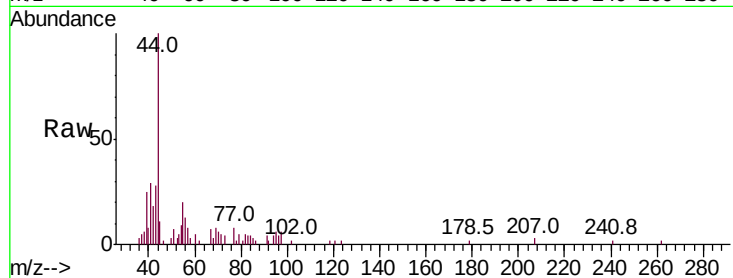
TP-2A-D

Tot Ion: 56 Resp: 449

Ion Ratio Lower Upper

56 100

55 148.9 61.8 92.6#



#15

Acrylonitrile

Concen: 1.564 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.01 min

Lab File: VF060575.D

Acq: 5 Nov 2018 16:23

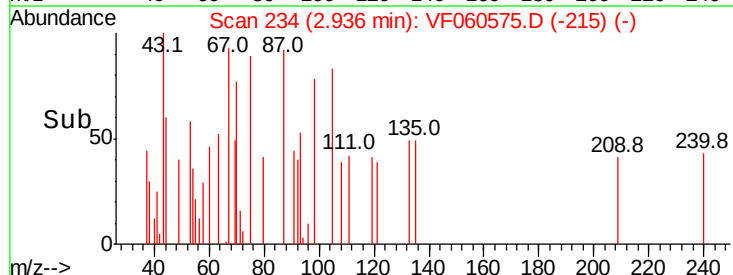
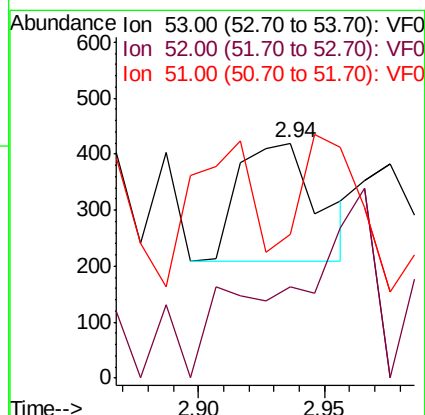
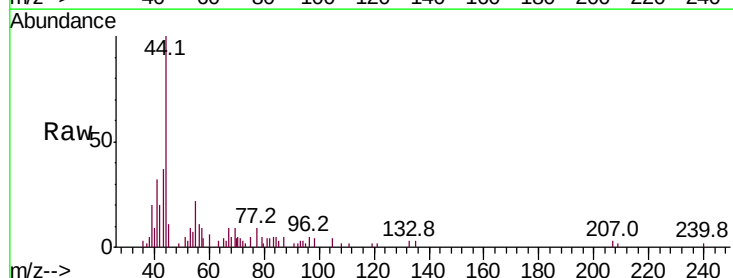
Tgt Ion: 53 Resp: 463

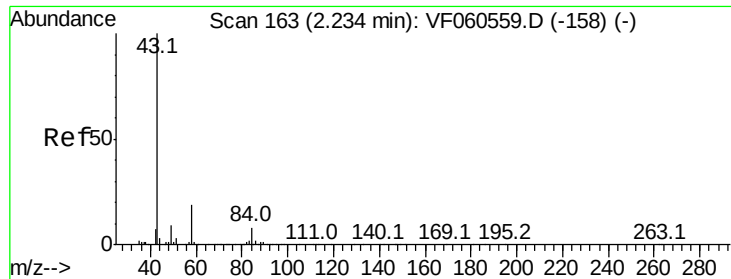
Ion Ratio Lower Upper

53 100

52 38.8 68.5 102.7#

51 61.2 38.2 57.2#





#16

Acetone

Concen: 24.351 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF060575.D

Acq: 5 Nov 2018 16:23

Instrument :

MSVOA_F

ClientSampleId :

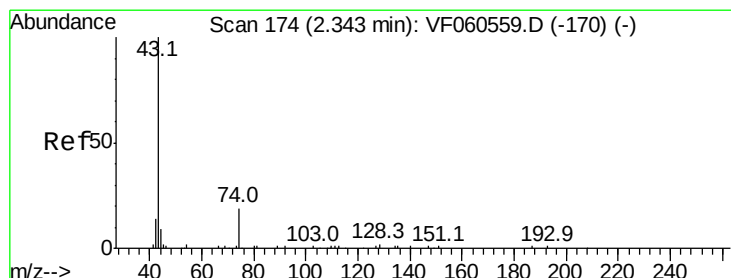
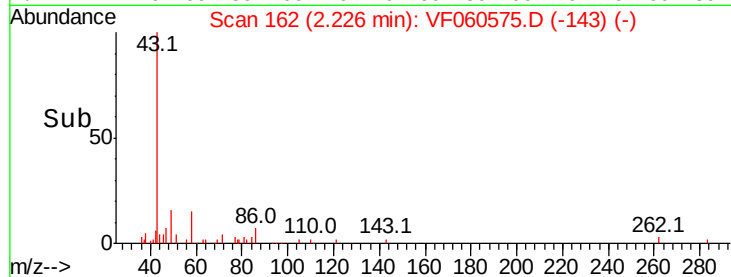
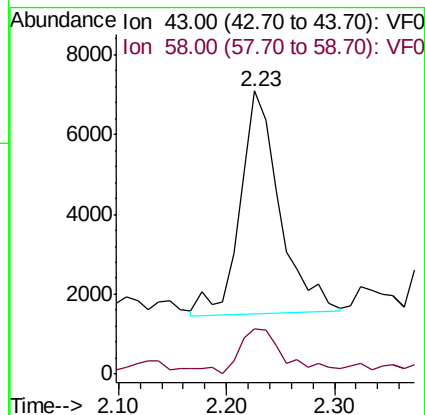
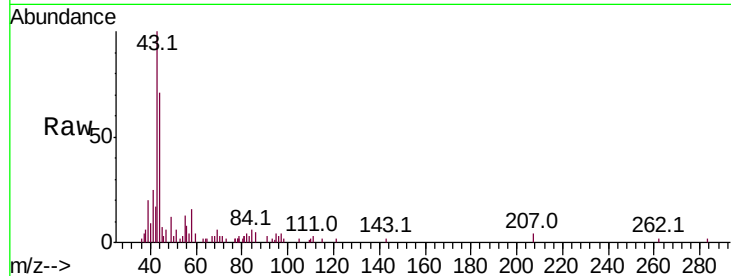
TP-2A-D

Tot Ion: 43 Resp: 14249

Ion Ratio Lower Upper

43 100

58 15.9 14.6 22.0



#18

Methyl Acetate

Concen: 1.933 ug/l

RT: 2.32 min Scan# 172

Delta R.T. -0.02 min

Lab File: VF060575.D

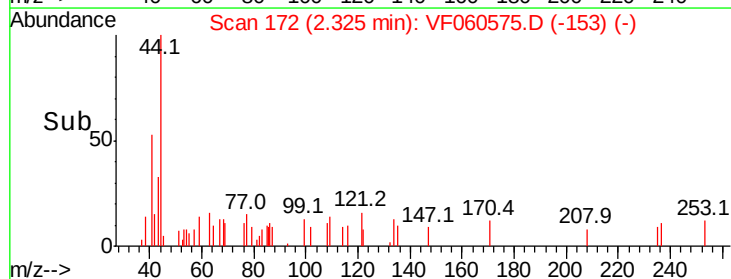
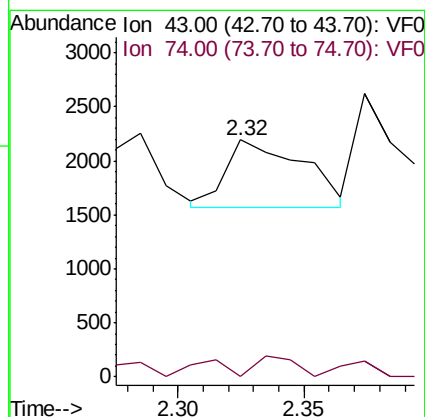
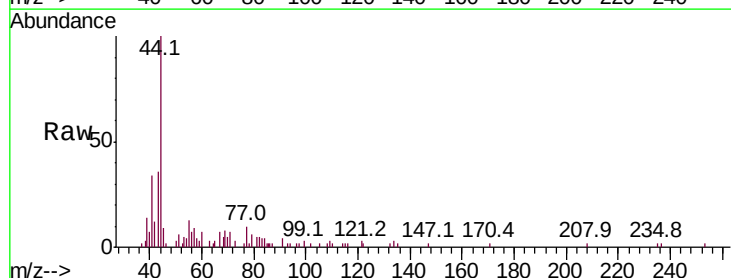
Acq: 5 Nov 2018 16:23

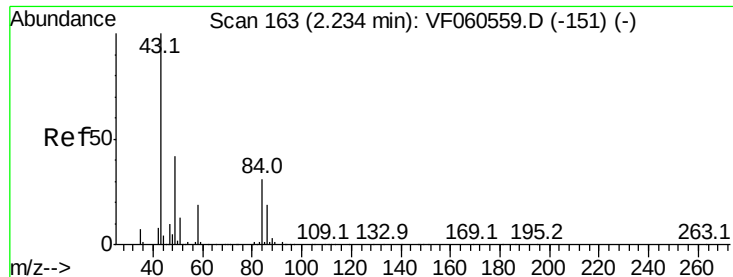
Tgt Ion: 43 Resp: 1334

Ion Ratio Lower Upper

43 100

74 0.0 12.1 18.1#

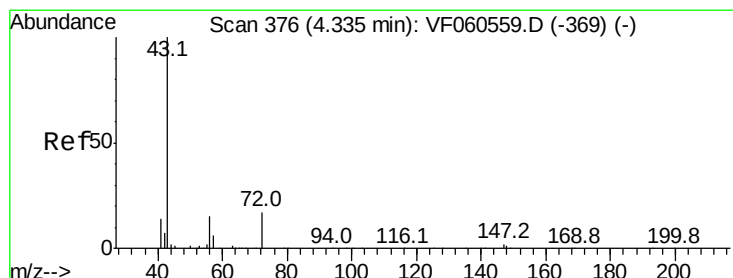
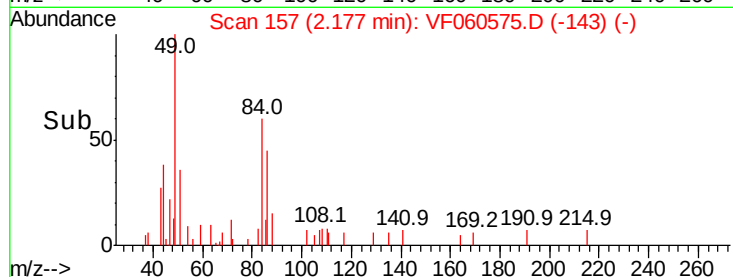
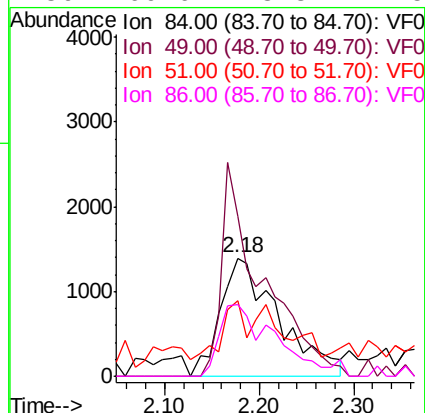
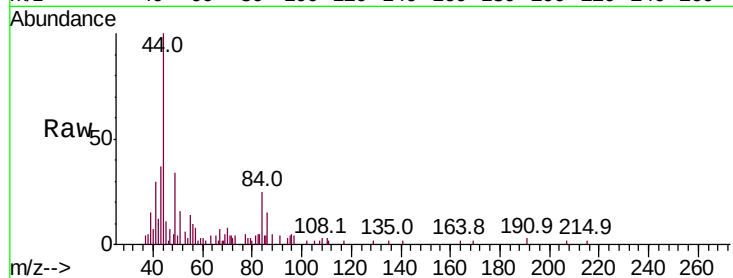




#20
Methylene Chloride
Concen: Below Cal
RT: 2.18 min Scan# 157
Delta R.T. -0.06 min
Lab File: VF060575.D
Acq: 5 Nov 2018 16:23

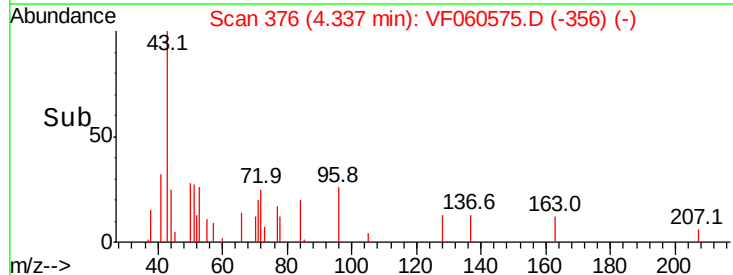
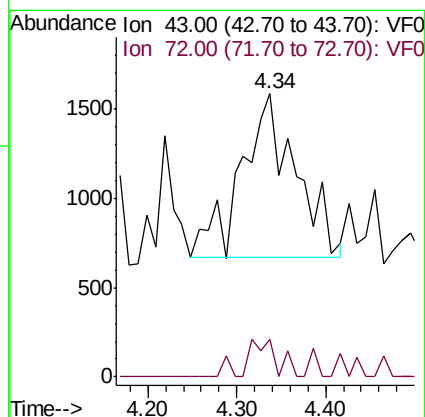
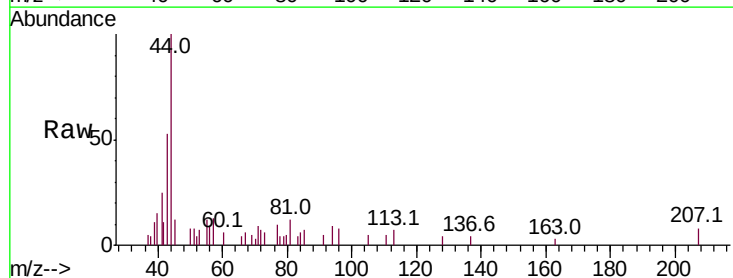
Instrument :
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TP-2A-D

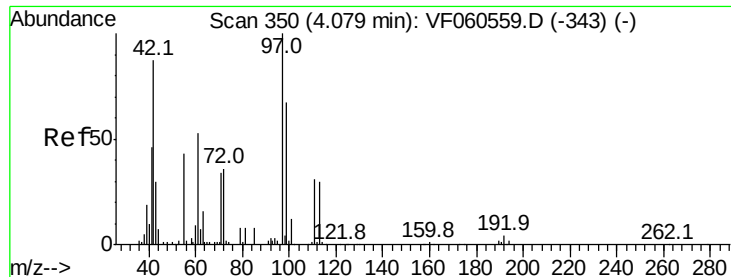
Tot Ion:	84	Resp:	5986
Ion	Ratio	Lower	Upper
84	100		
49	136.1	109.9	164.9
51	64.2	35.8	53.8#
86	60.6	48.3	72.5



#25
2-Butanone
Concen: Below Cal
RT: 4.34 min Scan# 376
Delta R.T. 0.00 min
Lab File: VF060575.D
Acq: 5 Nov 2018 16:23

Tgt Ion:	43	Resp:	3924
Ion	Ratio	Lower	Upper
43	100		
72	13.4	16.2	24.2#





#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.07 min Scan# 349

Delta R.T. -0.01 min

Lab File: VF060575.D

Acq: 5 Nov 2018 16:23

Instrument :

MSVOA_F

ClientSampled :

TP-2A-D

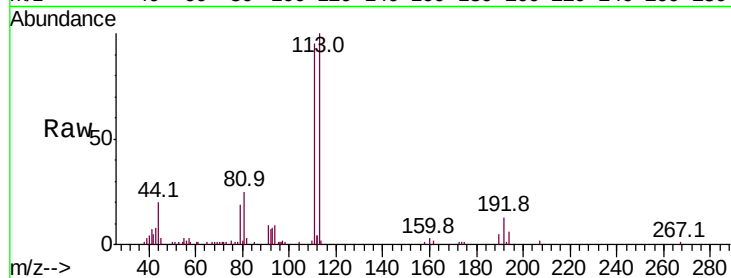
Tot Ion: 42 Resp: 680

Ion Ratio Lower Upper

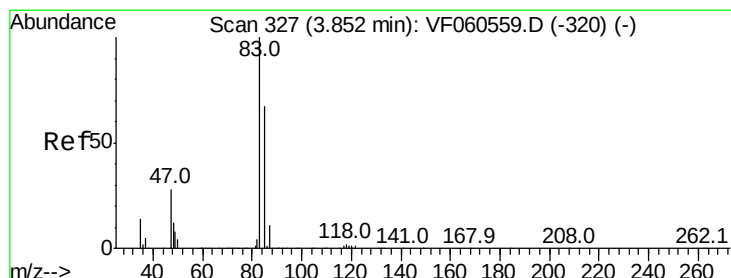
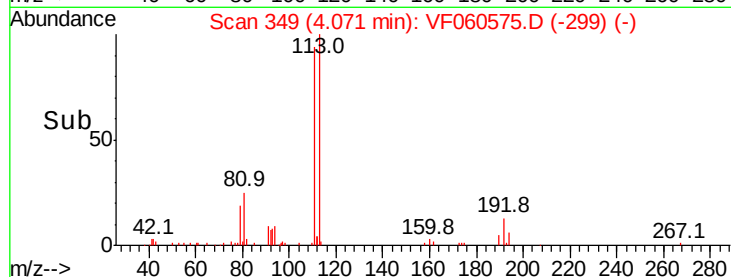
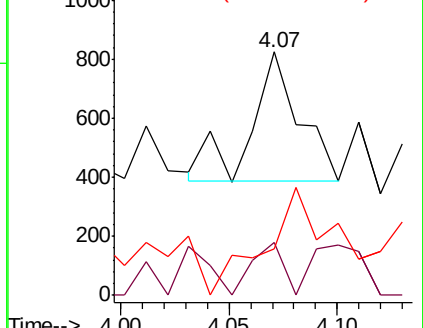
42 100

72 25.9 31.4 47.0#

71 116.8 31.8 47.6#



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: 1.017 ug/l

RT: 3.85 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF060575.D

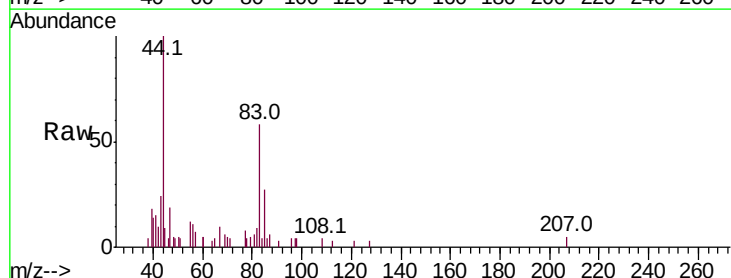
Acq: 5 Nov 2018 16:23

Tgt Ion: 83 Resp: 5753

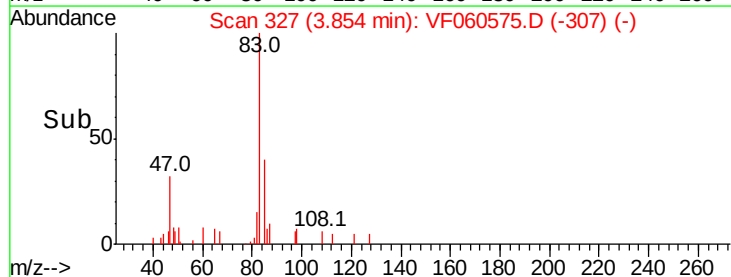
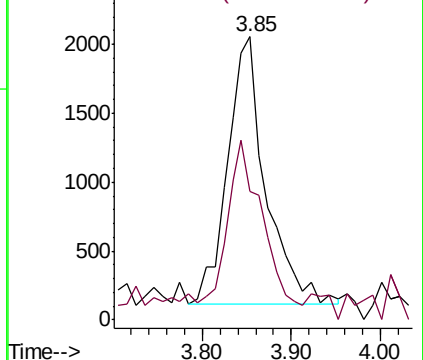
Ion Ratio Lower Upper

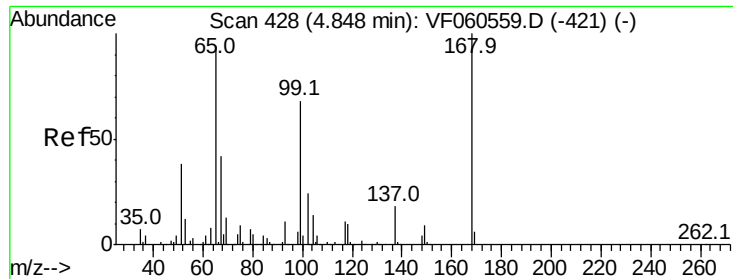
83 100

85 45.6 53.7 80.5#



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0

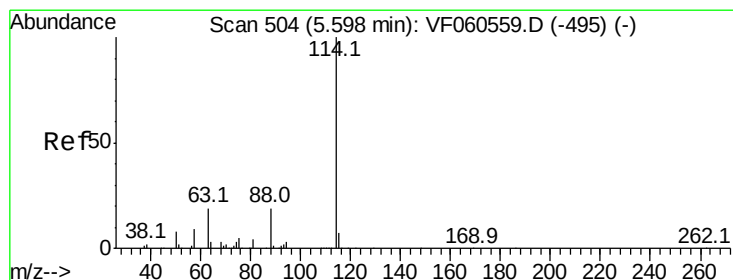
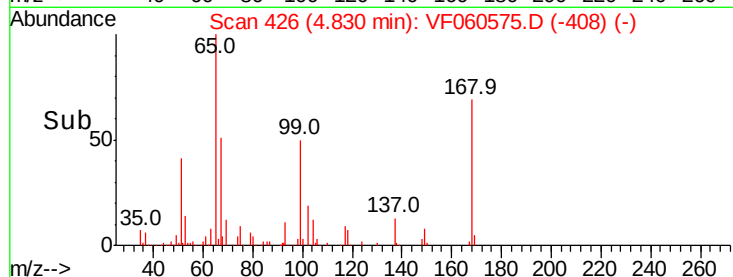
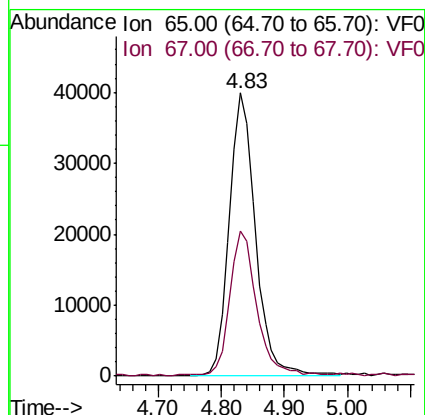
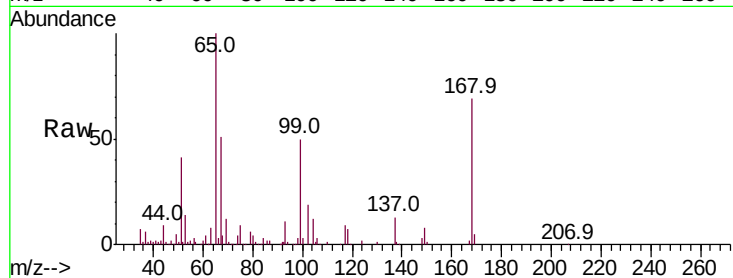




#33
 1,2-Dichloroethane-d4
 Concen: 46.530 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.02 min
 Lab File: VF060575.D
 Acq: 5 Nov 2018 16:23

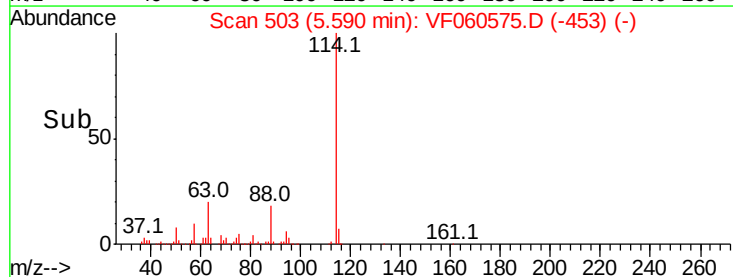
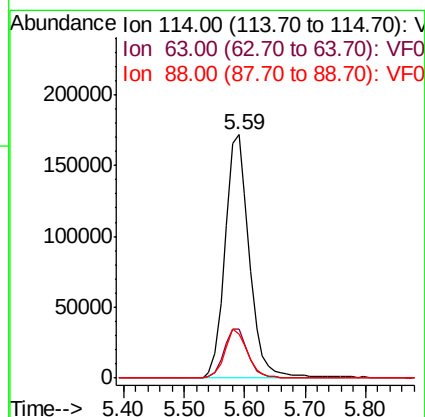
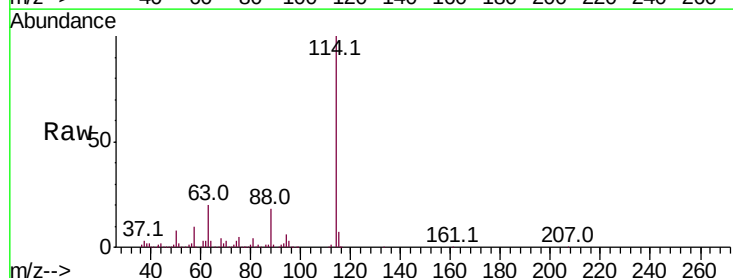
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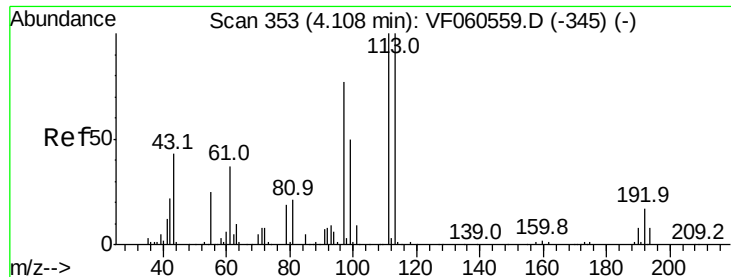
Tot Ion: 65 Resp: 115546
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.01 min
 Lab File: VF060575.D
 Acq: 5 Nov 2018 16:23

Tgt Ion: 114 Resp: 478843
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.0
 88 17.8 0.0 38.2

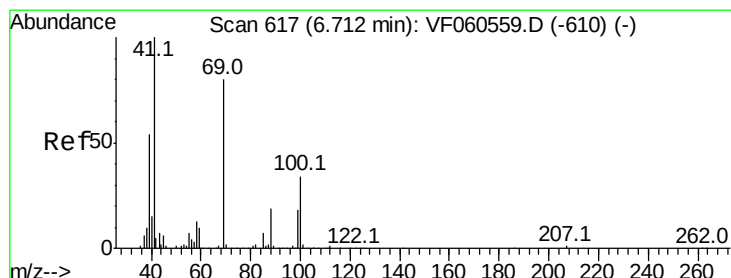
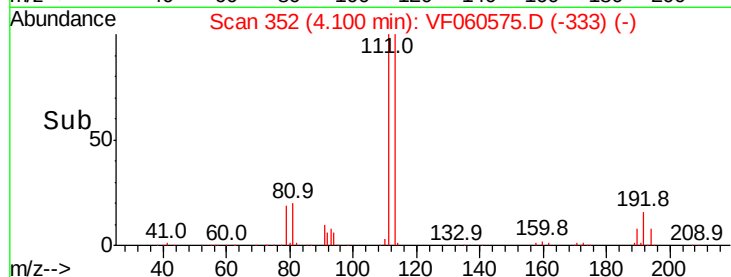
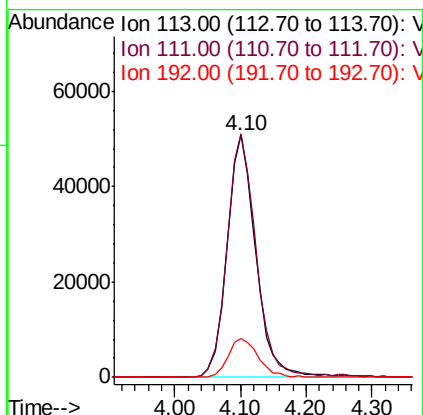
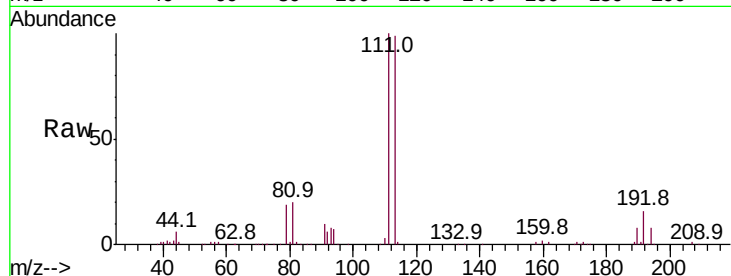




#35
 Dibromofluoromethane
 Concen: 42.057 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VF060575.D
 Acq: 5 Nov 2018 16:23

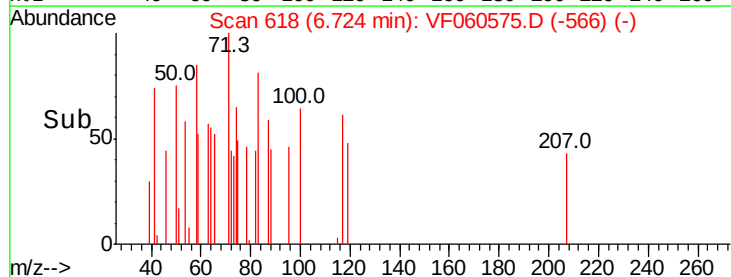
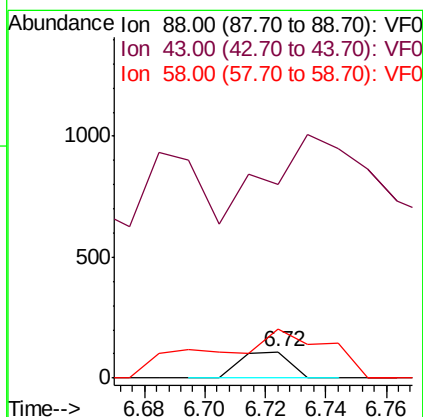
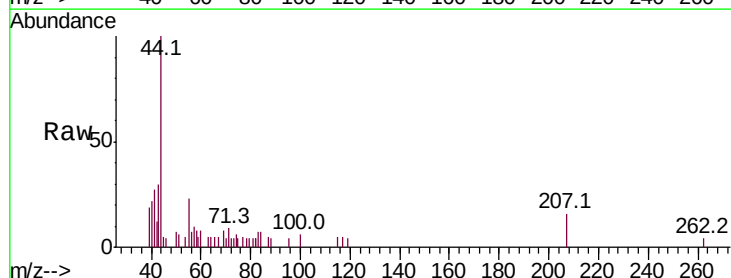
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-2A-D

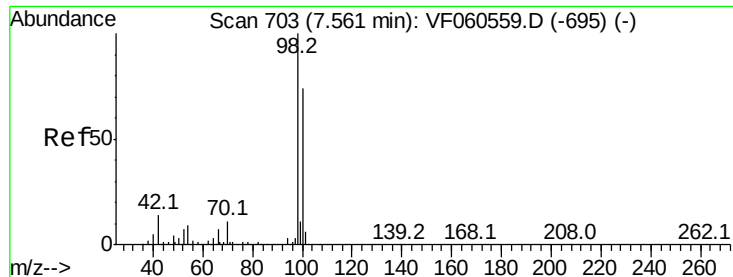
Tot Ion:113 Resp: 155592
 Ion Ratio Lower Upper
 113 100
 111 100.5 79.9 119.9
 192 15.9 13.3 19.9



#49
 1,4-Dioxane
 Concen: 5.939 ug/l
 RT: 6.72 min Scan# 618
 Delta R.T. 0.01 min
 Lab File: VF060575.D
 Acq: 5 Nov 2018 16:23

Tgt Ion: 88 Resp: 125
 Ion Ratio Lower Upper
 88 100
 43 741.7 61.2 91.8#
 58 189.8 56.9 85.3#





#50

Toluene-d8

Concen: 39.509 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF060575.D

Acq: 5 Nov 2018 16:23

Instrument :

MSVOA_F

ClientSampleId :

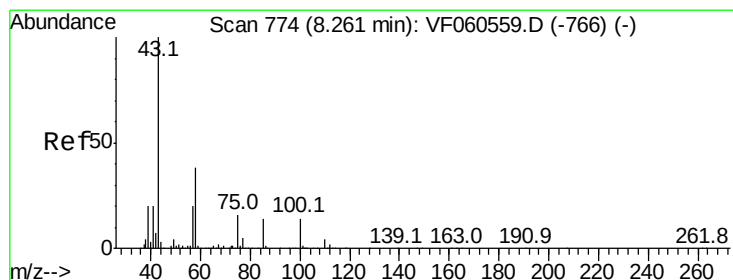
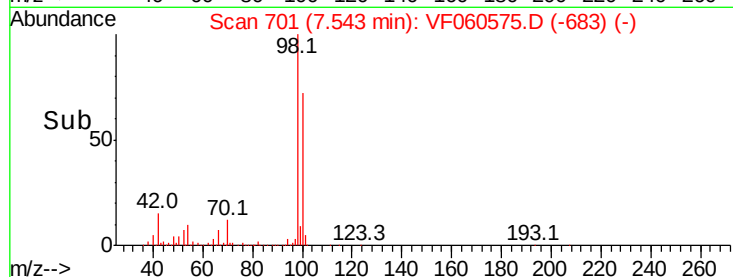
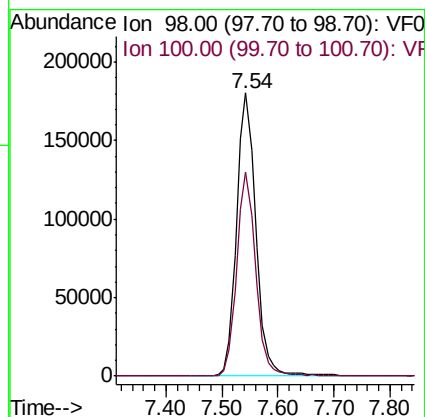
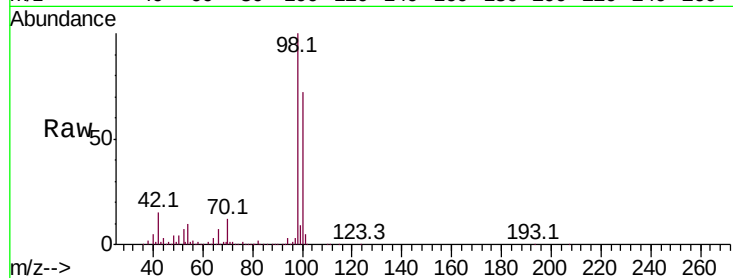
TP-2A-D

Tot Ion: 98 Resp: 432980

Ion Ratio Lower Upper

98 100

100 72.0 59.4 89.2



#51

4-Methyl-2-Pentanone

Concen: 2.067 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.02 min

Lab File: VF060575.D

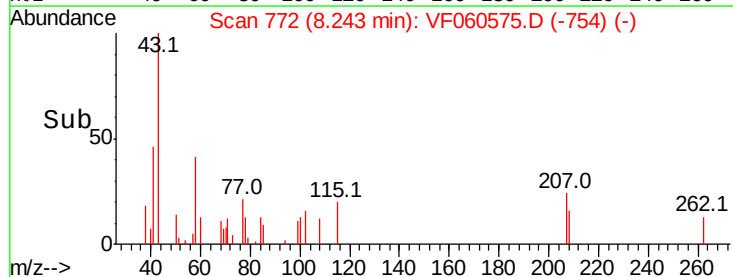
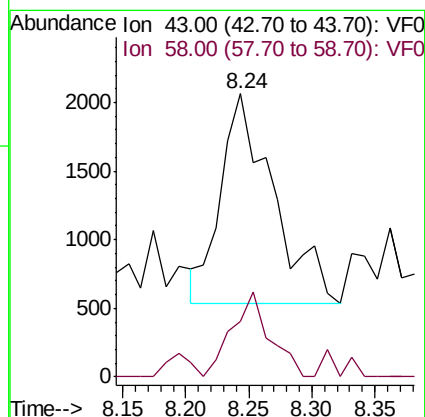
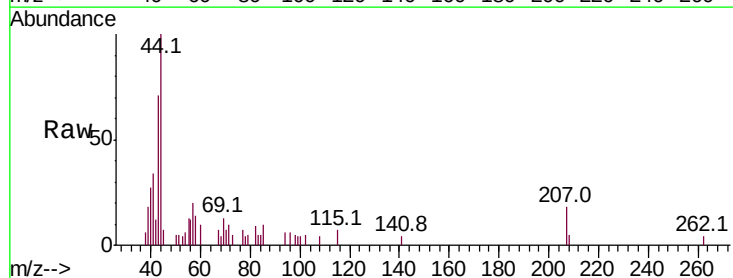
Acq: 5 Nov 2018 16:23

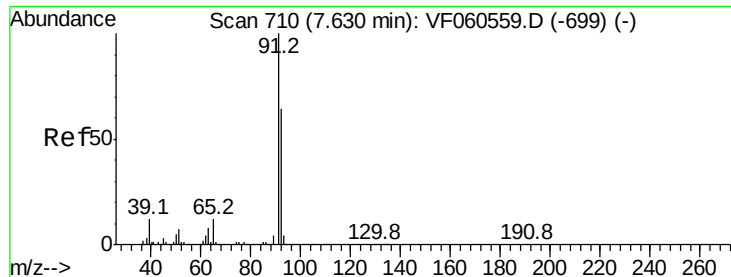
Tgt Ion: 43 Resp: 4449

Ion Ratio Lower Upper

43 100

58 19.4 30.1 45.1#





#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 7.61 min Scan# 708

Delta R.T. -0.02 min

Lab File: VF060575.D

Acq: 5 Nov 2018 16:23

Instrument :

MSVOA_F

ClientSampleId :

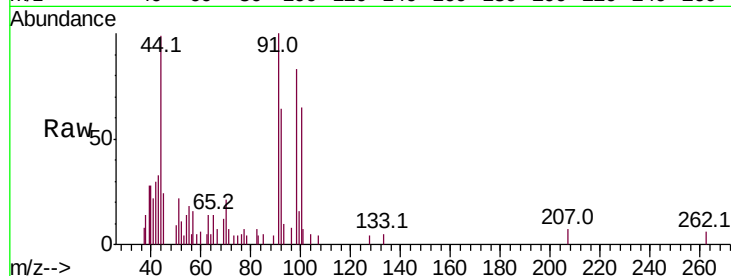
TP-2A-D

Tot Ion: 63 Resp: 642

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): VF0

7.61

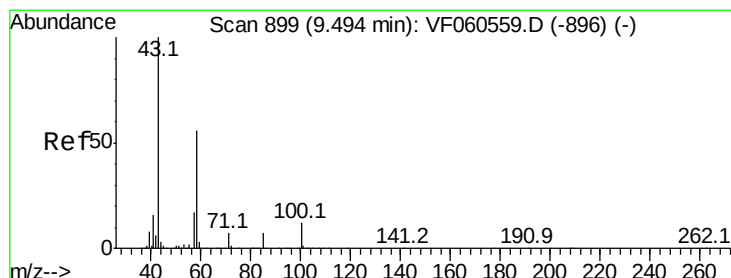
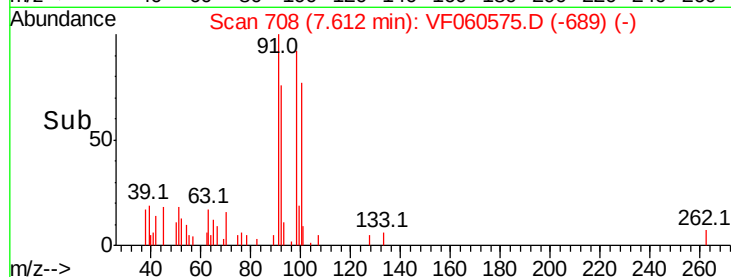
300

200

100

0

Time--> 7.55 7.60 7.65



#59

2-Hexanone

Concen: Below Cal

RT: 9.49 min Scan# 898

Delta R.T. -0.01 min

Lab File: VF060575.D

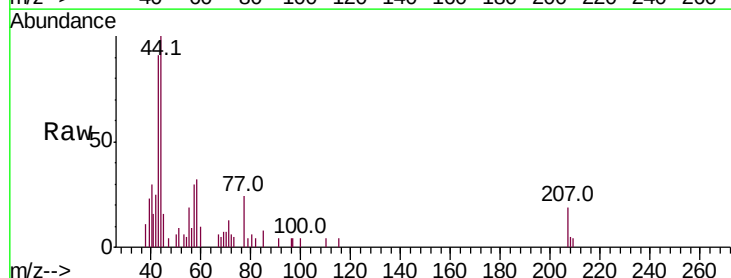
Acq: 5 Nov 2018 16:23

Tgt Ion: 43 Resp: 3406

Ion Ratio Lower Upper

43 100

58 35.4 26.1 78.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

3000

2500

2000

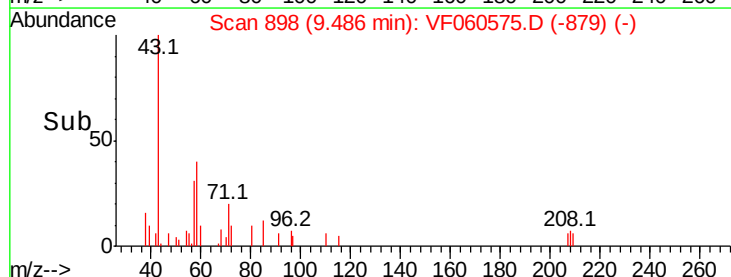
1500

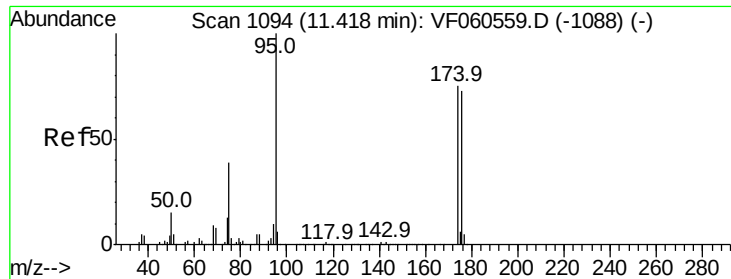
1000

500

0

Time--> 9.45 9.50





#62

4-Bromofluorobenzene

Concen: 40.373 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF060575.D

Acq: 5 Nov 2018 16:23

Instrument :

MSVOA_F

ClientSampleId :

TP-2A-D

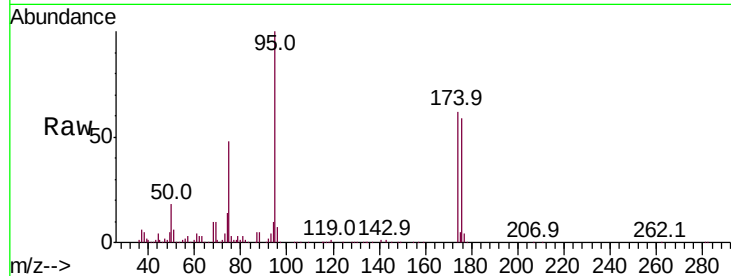
Tot Ion: 95 Resp: 193536

Ion Ratio Lower Upper

95 100

174 62.3 0.0 149.0

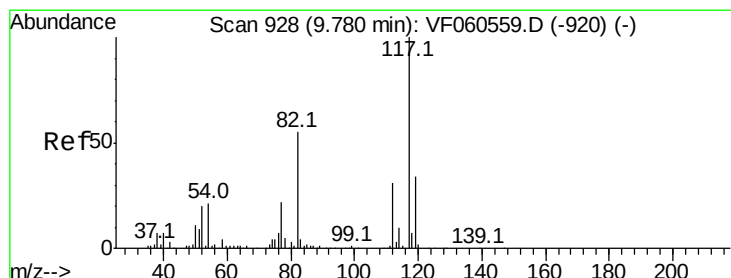
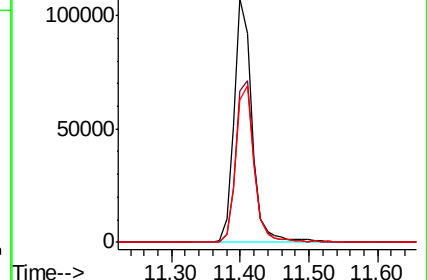
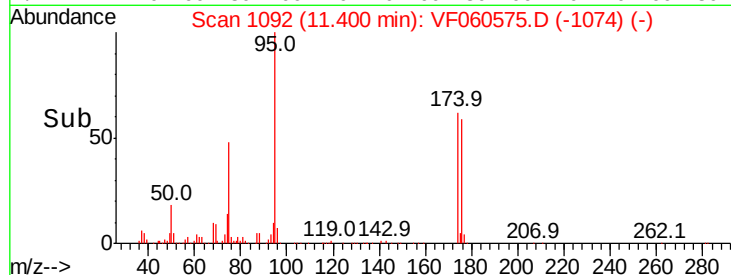
176 58.8 0.0 145.6



Abundance Ion 95.00 (94.70 to 95.70): VF060575.D (-1074) (-)

Ion 174.00 (173.70 to 174.70): VF060575.D (-1074) (-)

Ion 176.00 (175.70 to 176.70): VF060575.D (-1074) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.76 min Scan# 926

Delta R.T. -0.02 min

Lab File: VF060575.D

Acq: 5 Nov 2018 16:23

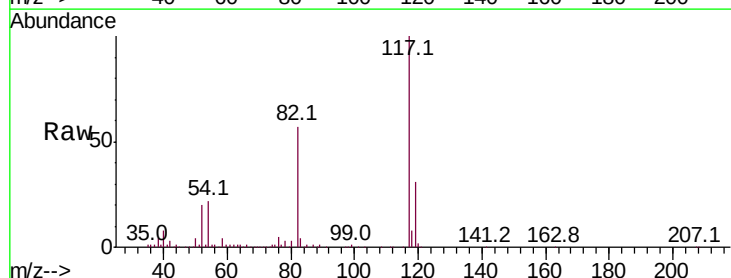
Tgt Ion: 117 Resp: 446622

Ion Ratio Lower Upper

117 100

82 57.2 43.9 65.9

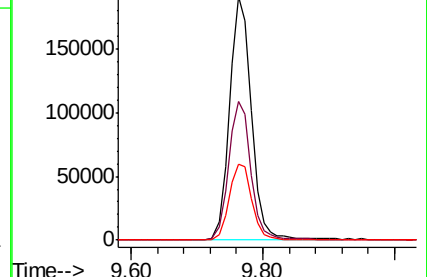
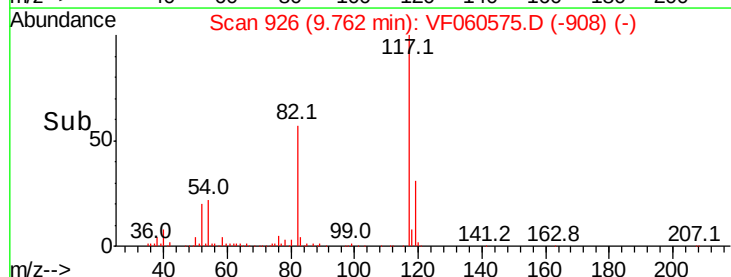
119 31.0 27.4 41.0

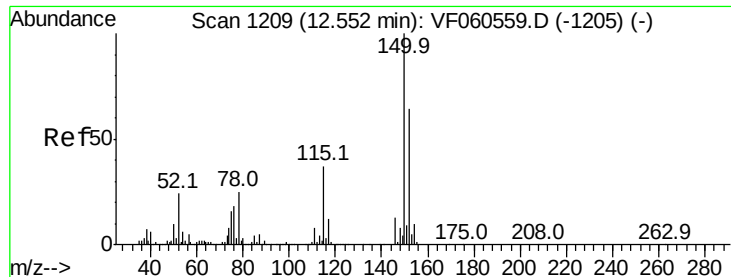


Abundance Ion 117.00 (116.70 to 117.70): VF060575.D (-908) (-)

Ion 82.00 (81.70 to 82.70): VF060575.D (-908) (-)

Ion 119.00 (118.70 to 119.70): VF060575.D (-908) (-)



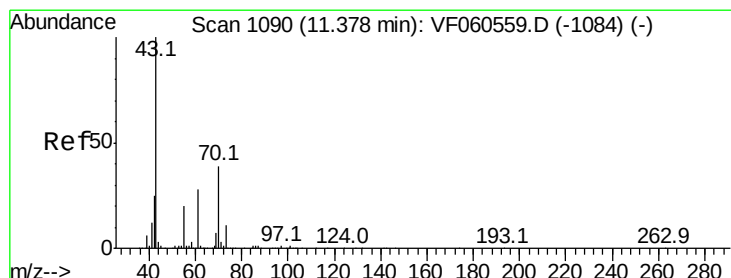
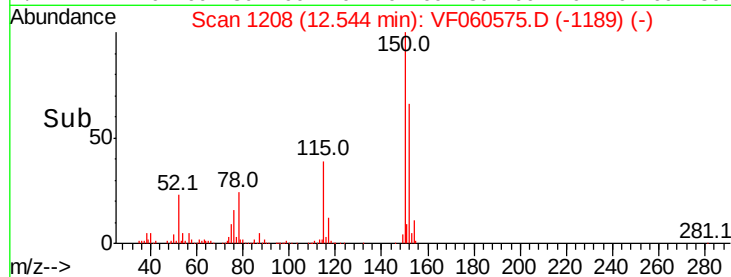
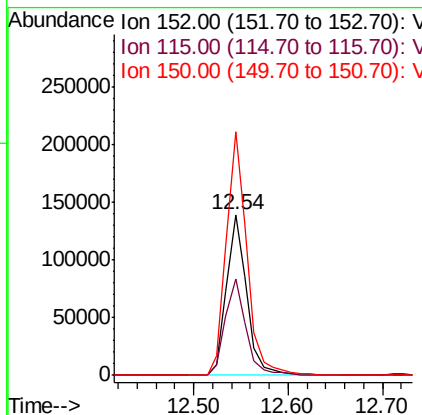
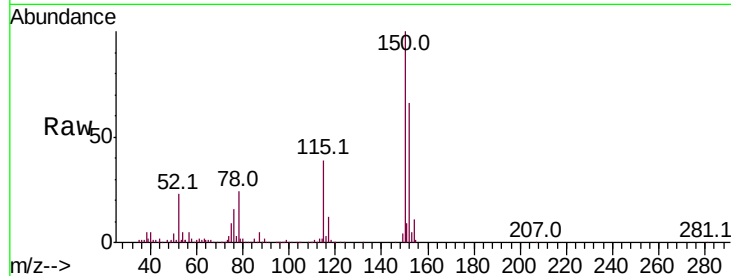


#72

1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: VF060575.D
 Acq: 5 Nov 2018 16:23

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-2A-D

Tot Ion:152 Resp: 207299
 Ion Ratio Lower Upper
 152 100
 115 59.6 29.6 88.8
 150 151.5 0.0 315.6



#74

N-amil acetate
 Concen: Below Cal
 RT: 11.37 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VF060575.D
 Acq: 5 Nov 2018 16:23

Tgt Ion: 43 Resp: 1805
 Ion Ratio Lower Upper
 43 100
 70 21.9 30.9 46.3#
 55 33.6 16.6 24.8#
 61 13.7 22.0 33.0#

