

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052019\
 Data File : VF062657.D
 Acq On : 20 May 2019 13:37
 Operator : FY/SY
 Sample : K2643-05
 Misc : 5.54g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OR-02-051619-A

Quant Time: May 21 02:00:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	87219	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.80	114	100386	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.92	117	50434	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	11873	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	8268	13.41	ug/l	0.01
Spiked Amount			Recovery	=	26.82%	
35) Dibromofluoromethane	4.32	113	19196	24.99	ug/l	0.00
Spiked Amount			Recovery	=	49.98%	
50) Toluene-d8	7.73	98	62247	33.94	ug/l	0.01
Spiked Amount			Recovery	=	67.88%	
62) 4-Bromofluorobenzene	11.50	95	13168	18.93	ug/l	0.00
Spiked Amount			Recovery	=	37.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.21	62	1230	1.223	ug/l #	81
5) Bromomethane	1.35	94	774	1.406	ug/l	96
6) Chloroethane	1.41	64	527	1.426	ug/l #	1
8) Diethyl Ether	1.72	74	823	3.076	ug/l	48
11) Tert butyl alcohol	2.70	59	407	10.002	ug/l #	1
12) 1,1-Dichloroethene	1.84	96	1445	1.844	ug/l #	1
13) Acrolein	2.05	56	712	16.763	ug/l	98
15) Acrylonitrile	3.12	53	427	3.720	ug/l #	4
16) Acetone	2.45	43	820	5.128	ug/l	93
18) Methyl Acetate	2.48	43	892	3.550	ug/l	97
20) Methylene Chloride	2.31	84	3772	4.706	ug/l #	88
25) 2-Butanone	4.56	43	771	2.257	ug/l	95
27) cis-1,2-Dichloroethene	3.67	96	1334	1.059	ug/l	43
29) Tetrahydrofuran	3.96	42	961	6.952	ug/l	97
37) Ethyl Acetate	4.28	43	1008	2.400	ug/l #	36
41) Methacrylonitrile	4.95	41	527	2.393	ug/l #	54
42) 1,2-Dichloroethane	5.19	62	872	1.560	ug/l	71
43) Isopropyl Acetate	7.14	43	868	1.595	ug/l #	96
48) Methyl methacrylate	6.93	41	2685	9.441	ug/l #	47
49) 1,4-Dioxane	6.89	88	616	169.109	ug/l #	1
51) 4-Methyl-2-Pentanone	8.43	43	476	1.280	ug/l #	69
56) Ethyl methacrylate	8.78	69	1081	2.085	ug/l #	31
59) 2-Hexanone	9.59	43	362	Below Cal		72
66) 1,1,1,2-Tetrachloroethane	10.06	131	534	1.343	ug/l	82
68) m/p-Xylenes	10.27	106	965	1.492	ug/l #	71
73) Isopropylbenzene	11.24	105	1579	1.856	ug/l	82
75) 1,1,2,2-Tetrachloroethane	11.79	83	749	4.307	ug/l #	63
76) 1,2,3-Trichloropropane	11.87	75	525	4.595	ug/l	75
78) n-propylbenzene	11.67	91	2316	2.300	ug/l	94
79) 2-Chlorotoluene	11.81	91	891	1.570	ug/l	90
80) 1,3,5-Trimethylbenzene	11.78	105	813	1.191	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.98	75	544	10.710	ug/l #	72
82) 4-Chlorotoluene	11.98	91	697	1.245	ug/l	84
83) tert-Butylbenzene	12.21	119	1385	2.001	ug/l #	81

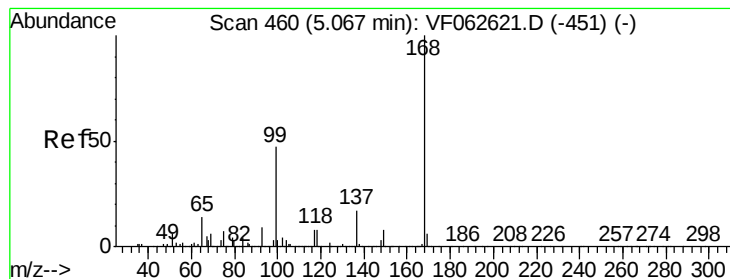
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052019\
Data File : VF062657.D
Acq On : 20 May 2019 13:37
Operator : FY/SY
Sample : K2643-05
Misc : 5.54g/5mL/MSVOA F/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
OR-02-051619-A

Quant Time: May 21 02:00:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	12.28	105	720	1.090	ug/l #	25
85) sec-Butylbenzene	12.37	105	1820	1.959	ug/l #	36
86) p-Isopropyltoluene	12.52	119	1330	1.699	ug/l #	54
88) 1,4-Dichlorobenzene	12.60	146	474	1.320	ug/l #	24
90) Hexachloroethane	12.99	117	542	2.886	ug/l #	20
91) 1,2-Dichlorobenzene	12.95	146	407	1.193	ug/l	80
92) 1,2-Dibromo-3-Chloropropan	13.65	75	919	44.297	ug/l #	2
95) Naphthalene	14.50	128	513	1.156	ug/l #	69

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.01 min

Lab File: VF062657.D

Acq: 20 May 2019 13:37

Instrument :

MSVOA_F

ClientSampleId :

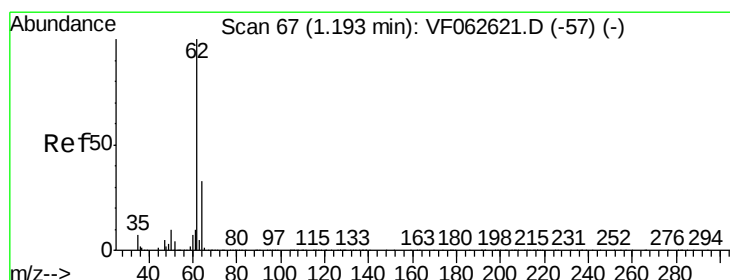
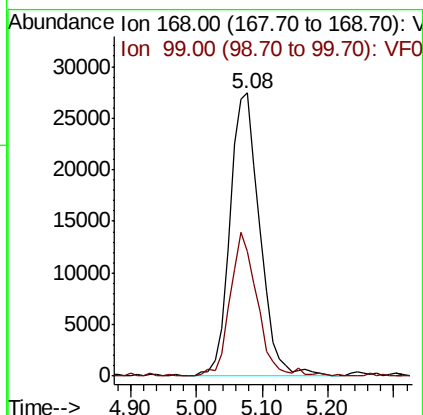
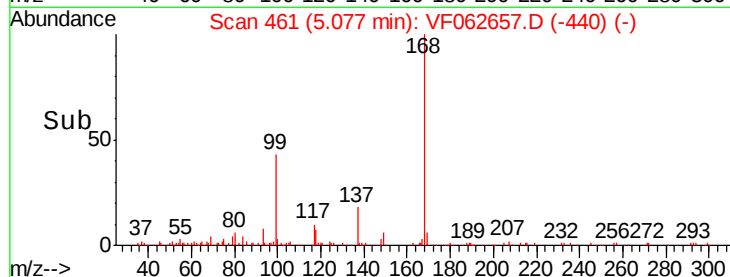
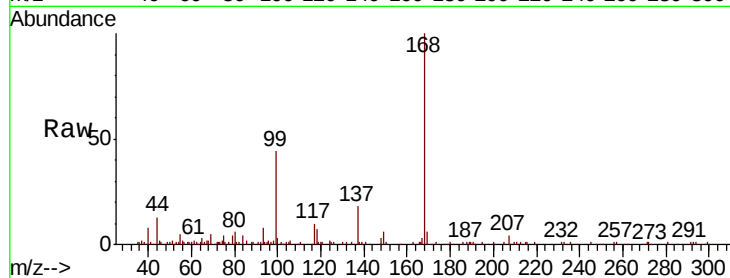
OR-02-051619-A

Tot Ion:168 Resp: 87219

Ion Ratio Lower Upper

168 100

99 43.9 37.8 56.8



#4

Vinyl Chloride

Concen: 1.223 ug/l

RT: 1.21 min Scan# 69

Delta R.T. 0.02 min

Lab File: VF062657.D

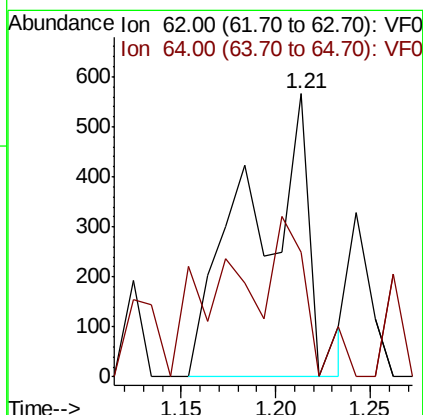
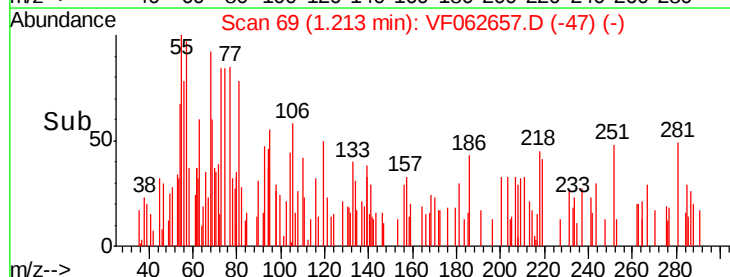
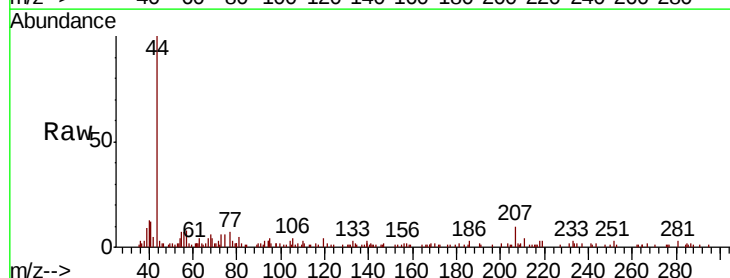
Acq: 20 May 2019 13:37

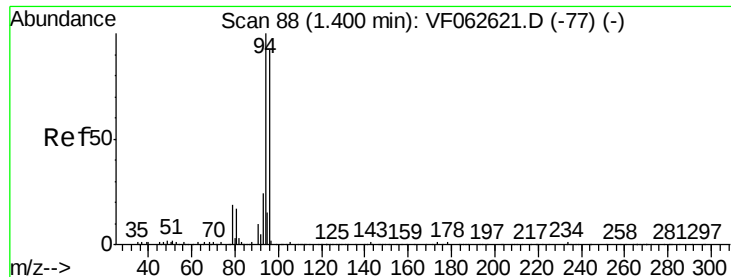
Tgt Ion: 62 Resp: 1230

Ion Ratio Lower Upper

62 100

64 44.2 26.7 40.1#





#5

Bromomethane

Concen: 1.406 ug/l

RT: 1.35 min Scan# 83

Delta R.T. -0.05 min

Lab File: VF062657.D

Acq: 20 May 2019 13:37

Instrument :

MSVOA_F

ClientSampleId :

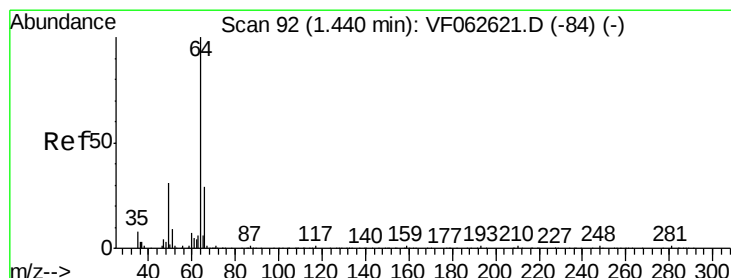
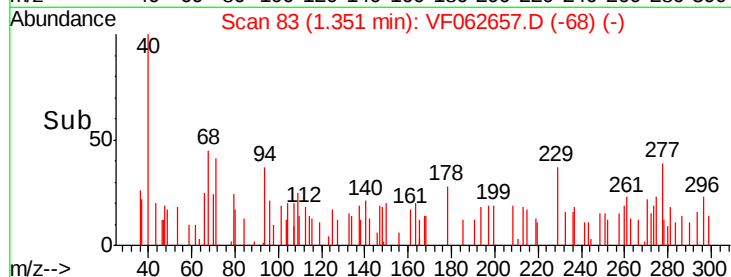
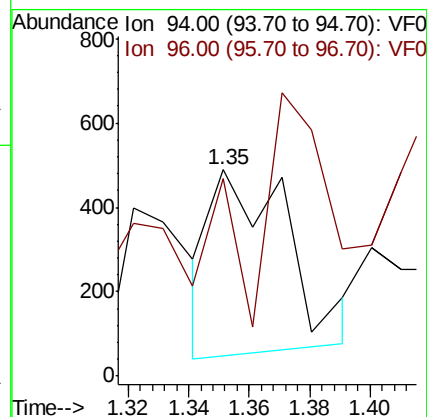
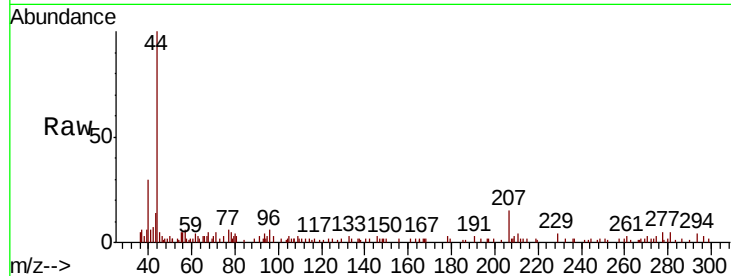
OR-02-051619-A

Tot Ion: 94 Resp: 774

Ion Ratio Lower Upper

94 100

96 95.5 73.2 109.8



#6

Chloroethane

Concen: 1.426 ug/l

RT: 1.41 min Scan# 89

Delta R.T. -0.03 min

Lab File: VF062657.D

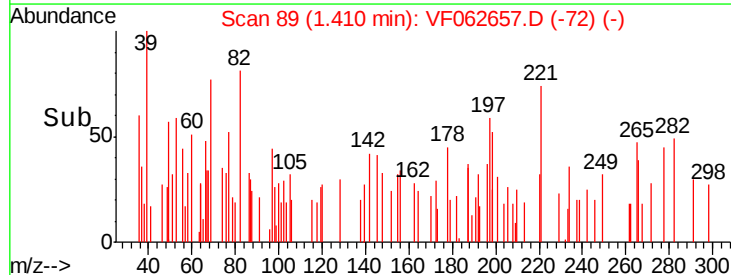
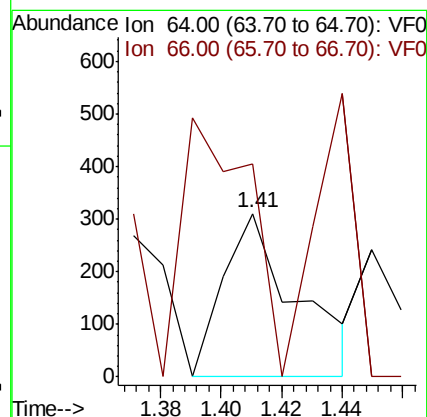
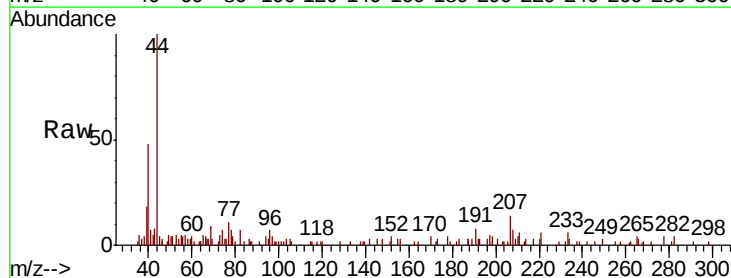
Acq: 20 May 2019 13:37

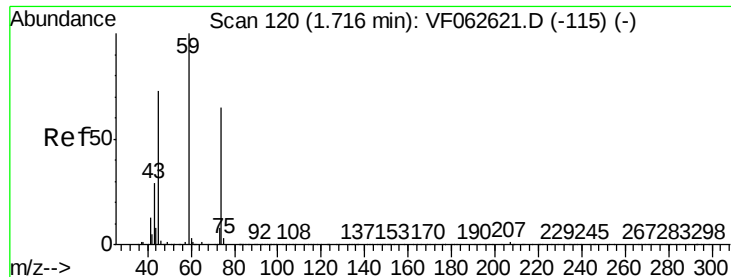
Tgt Ion: 64 Resp: 527

Ion Ratio Lower Upper

64 100

66 130.5 23.4 35.2#

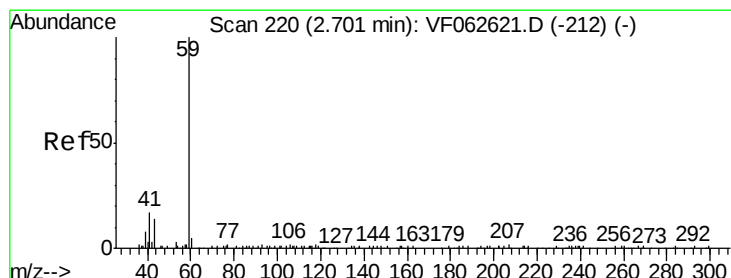
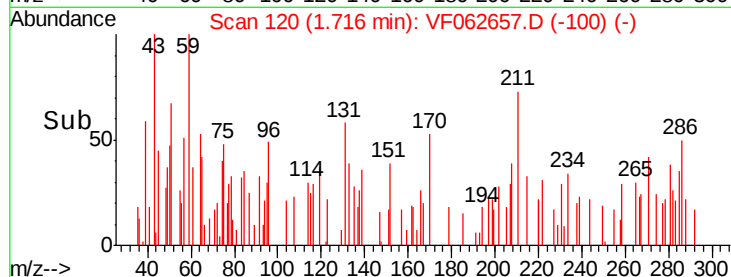
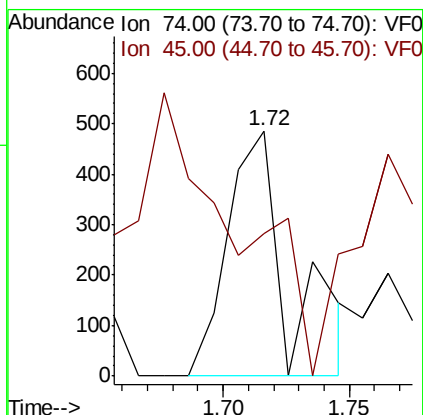
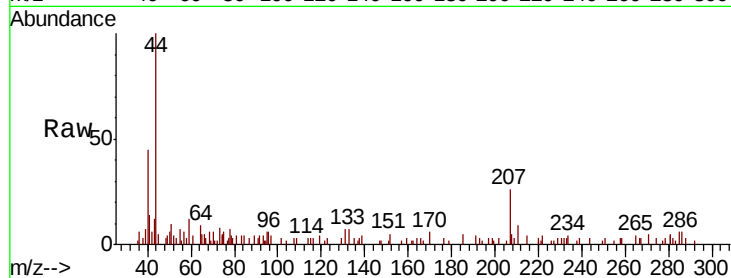




#8
Diethyl Ether
Concen: 3.076 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.00 min
Lab File: VF062657.D
Acq: 20 May 2019 13:37

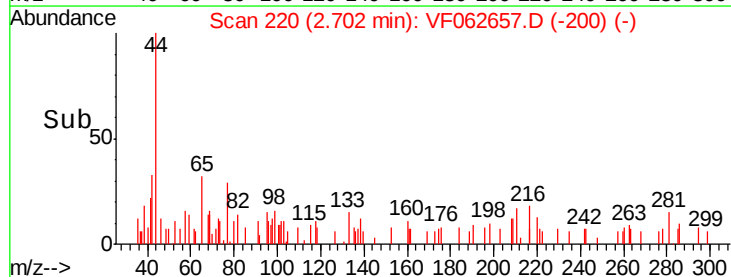
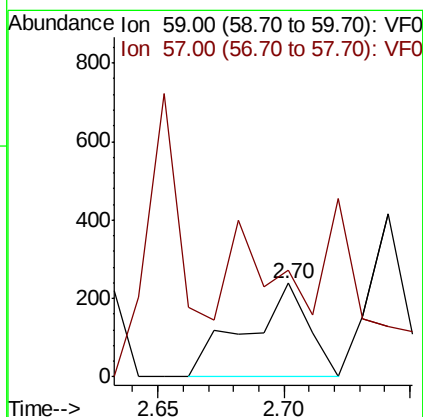
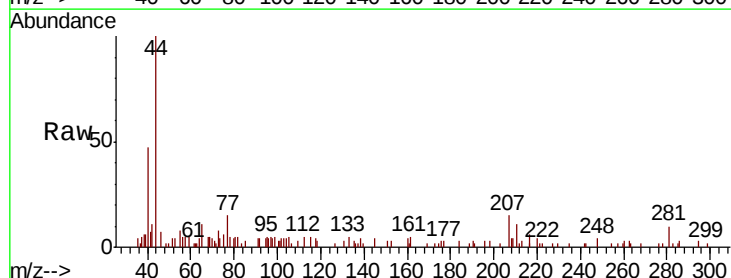
Instrument :
MSVOA_F
ClientSampleId :
OR-02-051619-A

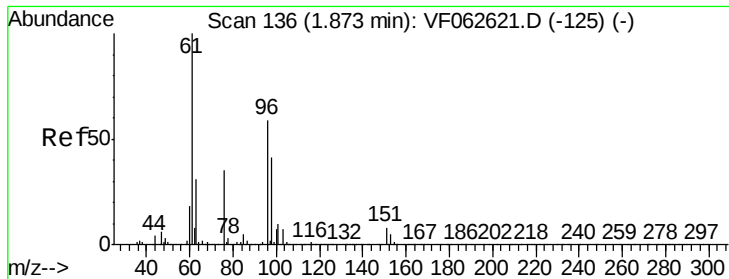
Tot Ion: 74 Resp: 823
Ion Ratio Lower Upper
74 100
45 58.2 57.0 170.8



#11
Tert butyl alcohol
Concen: 10.002 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.00 min
Lab File: VF062657.D
Acq: 20 May 2019 13:37

Tgt Ion: 59 Resp: 407
Ion Ratio Lower Upper
59 100
57 114.7 9.3 13.9#





#12

1,1-Dichloroethene

Concen: 1.844 ug/l

RT: 1.84 min Scan# 133

Delta R.T. -0.03 min

Lab File: VF062657.D

Acq: 20 May 2019 13:37

Instrument :

MSVOA_F

ClientSampleId :

OR-02-051619-A

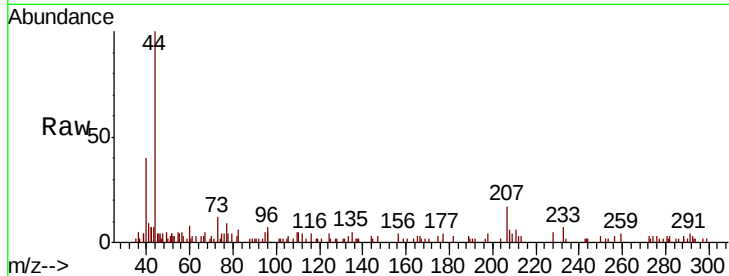
Tot Ion: 96 Resp: 1445

Ion Ratio Lower Upper

96 100

61 20.7 134.3 201.5#

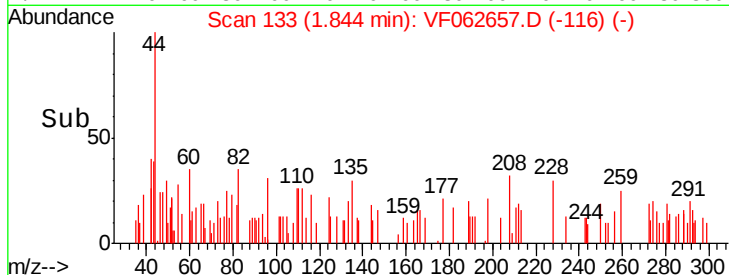
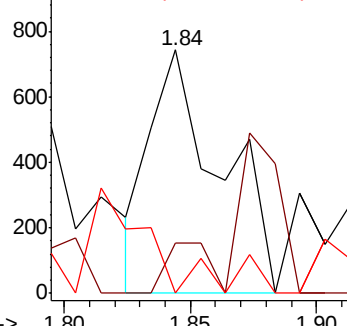
98 0.0 55.0 82.6#



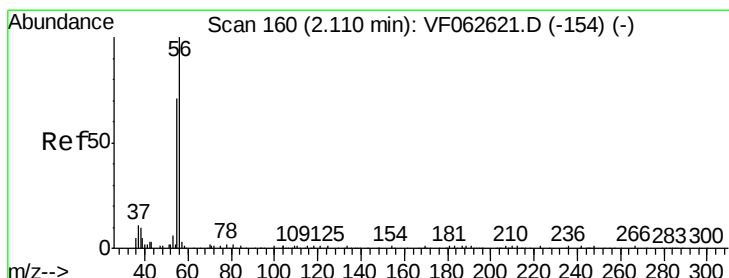
Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



Time-->



#13

Acrolein

Concen: 16.763 ug/l

RT: 2.05 min Scan# 154

Delta R.T. -0.06 min

Lab File: VF062657.D

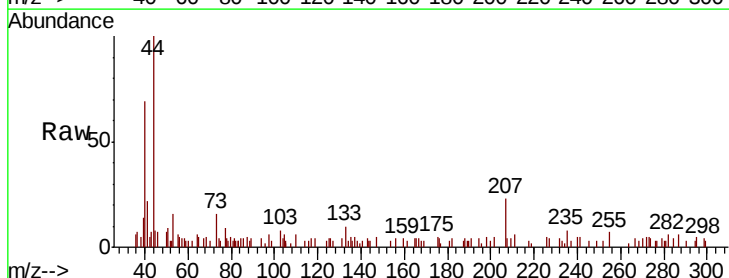
Acq: 20 May 2019 13:37

Tgt Ion: 56 Resp: 712

Ion Ratio Lower Upper

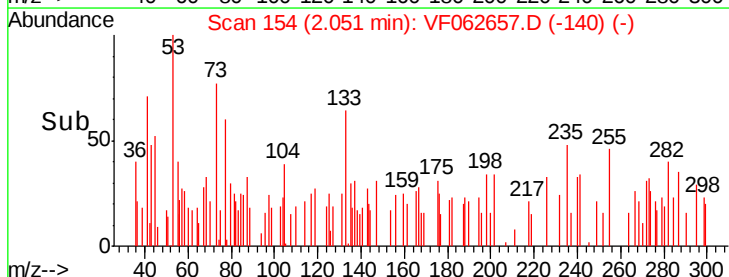
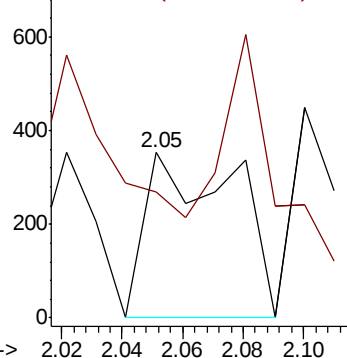
56 100

55 75.9 59.4 89.0

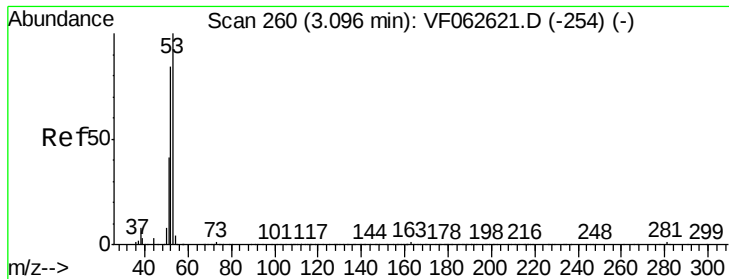


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



Time-->



#15

Acrylonitrile

Concen: 3.720 ug/l

RT: 3.12 min Scan# 262

Delta R.T. 0.02 min

Lab File: VF062657.D

Acq: 20 May 2019 13:37

Instrument :

MSVOA_F

ClientSampleId :

OR-02-051619-A

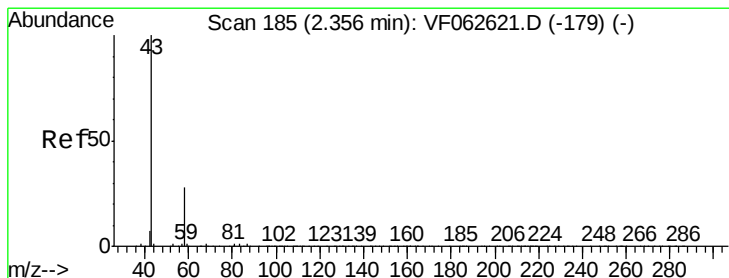
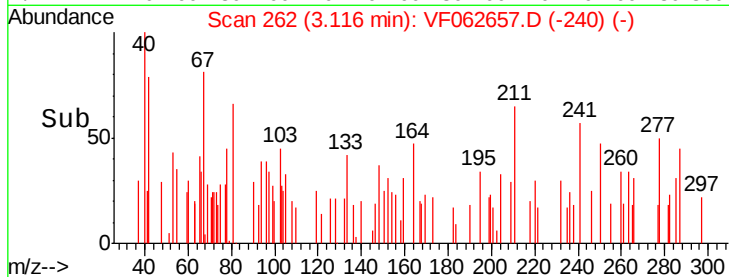
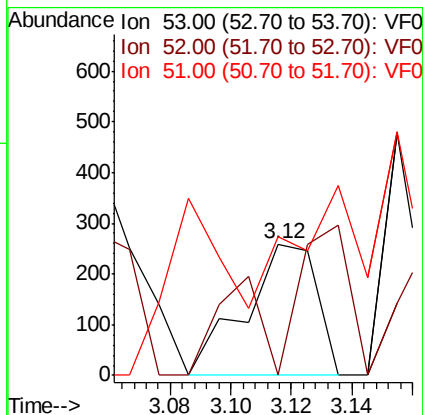
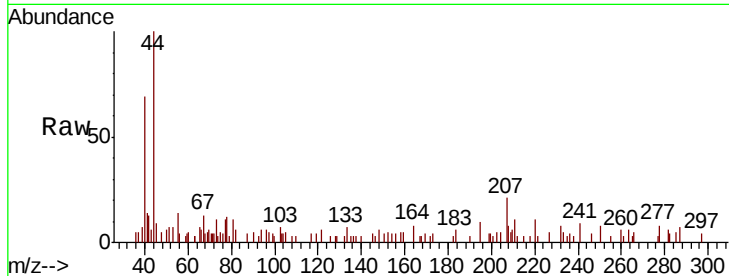
Tot Ion: 53 Resp: 427

Ion Ratio Lower Upper

53 100

52 0.0 67.3 100.9#

51 105.4 33.0 49.6#



#16

Acetone

Concen: 5.128 ug/l

RT: 2.45 min Scan# 194

Delta R.T. 0.09 min

Lab File: VF062657.D

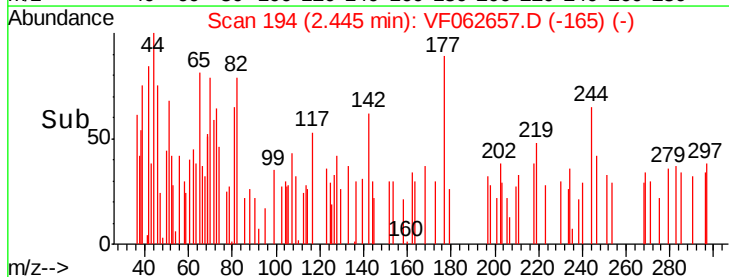
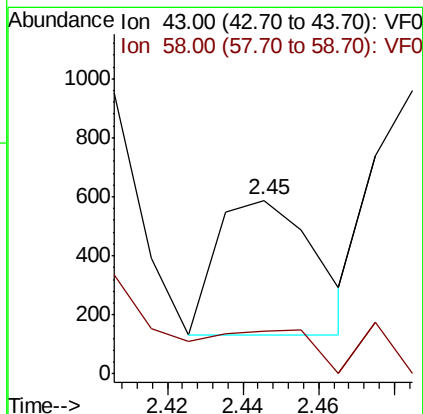
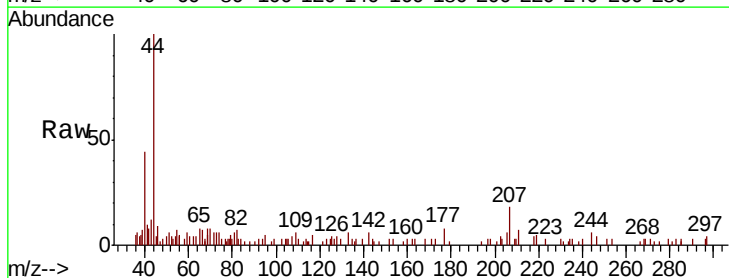
Acq: 20 May 2019 13:37

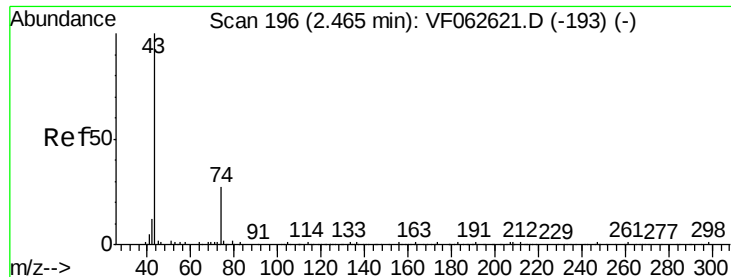
Tgt Ion: 43 Resp: 820

Ion Ratio Lower Upper

43 100

58 24.7 22.6 33.8

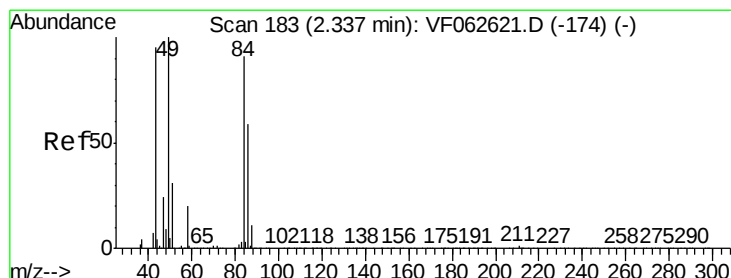
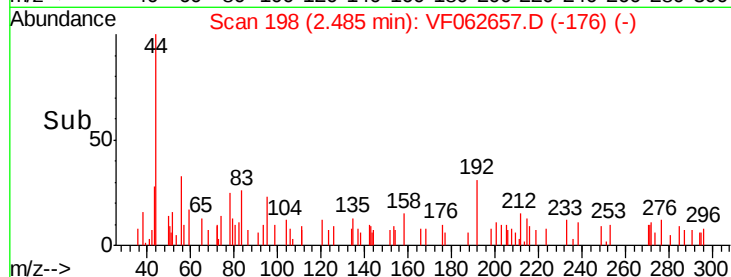
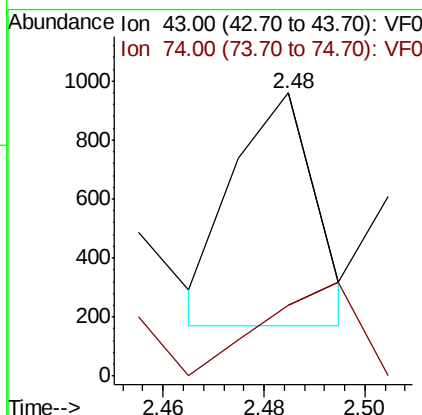
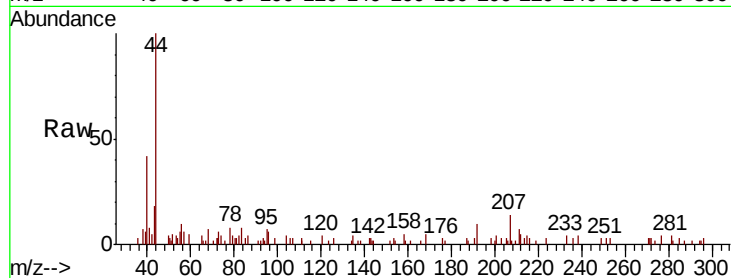




#18
Methyl Acetate
Concen: 3.550 ug/l
RT: 2.48 min Scan# 198
Delta R.T. 0.02 min
Lab File: VF062657.D
Acq: 20 May 2019 13:37

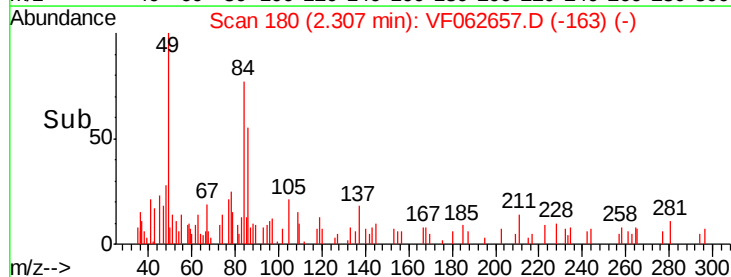
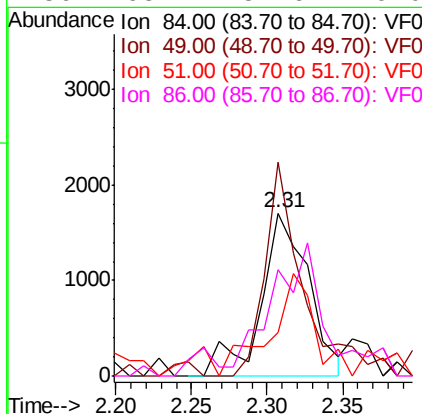
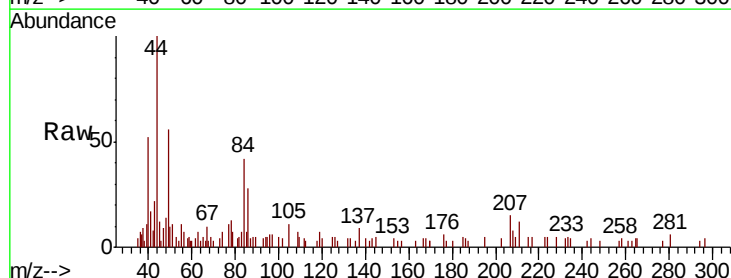
Instrument :
MSVOA_F
ClientSampleId :
OR-02-051619-A

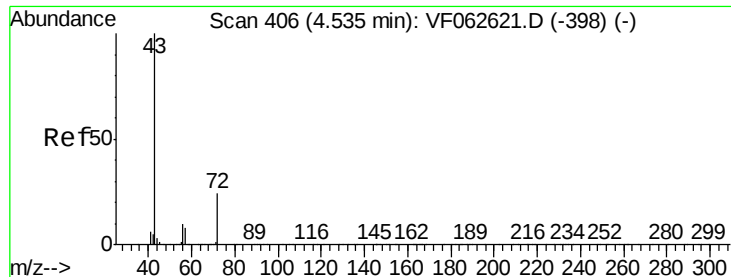
Tot Ion: 43 Resp: 892
Ion Ratio Lower Upper
43 100
74 25.2 18.9 28.3



#20
Methylene Chloride
Concen: 4.706 ug/l
RT: 2.31 min Scan# 180
Delta R.T. -0.03 min
Lab File: VF062657.D
Acq: 20 May 2019 13:37

Tgt Ion: 84 Resp: 3772
Ion Ratio Lower Upper
84 100
49 131.2 89.8 134.8
51 26.5 28.4 42.6#
86 65.4 52.6 79.0





#25

2-Butanone

Concen: 2.257 ug/l

RT: 4.56 min Scan# 409

Delta R.T. 0.03 min

Lab File: VF062657.D

Acq: 20 May 2019 13:37

Instrument :

MSVOA_F

ClientSampleId :

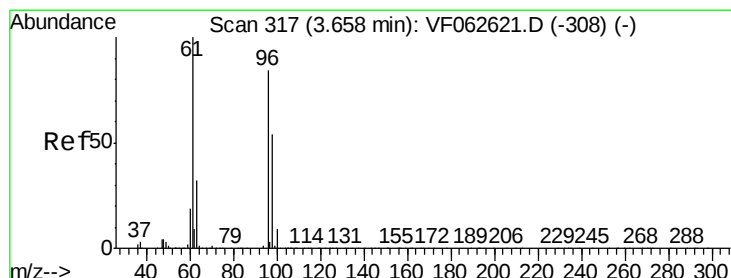
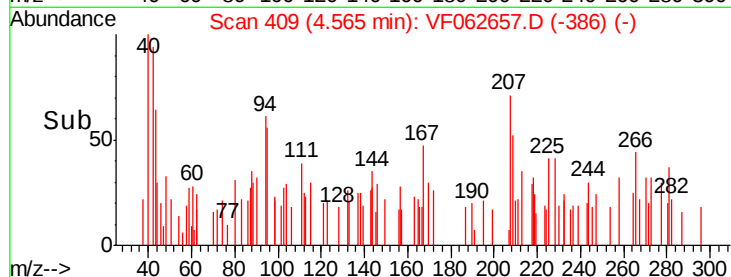
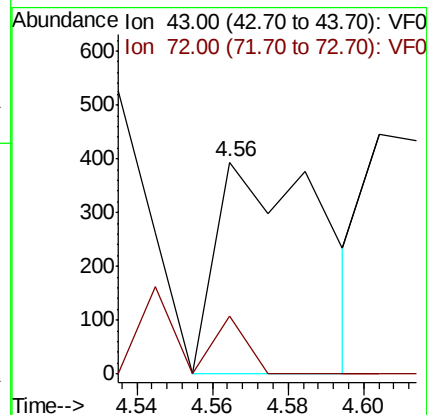
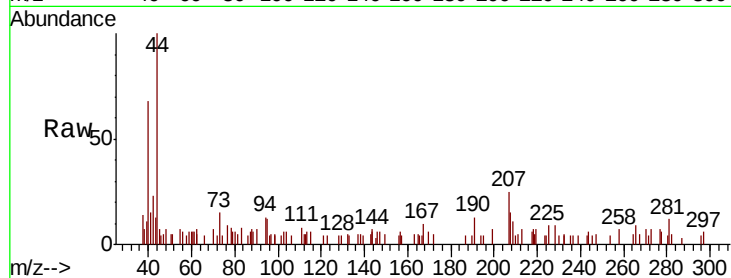
OR-02-051619-A

Tot Ion: 43 Resp: 771

Ion Ratio Lower Upper

43 100

72 27.4 20.1 30.1



#27

cis-1,2-Dichloroethene

Concen: 1.059 ug/l

RT: 3.67 min Scan# 318

Delta R.T. 0.01 min

Lab File: VF062657.D

Acq: 20 May 2019 13:37

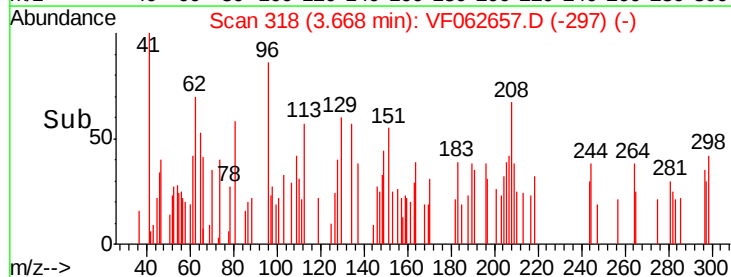
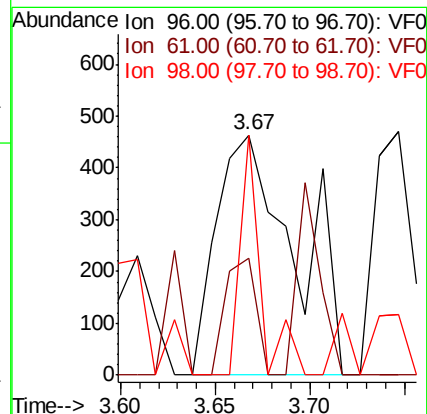
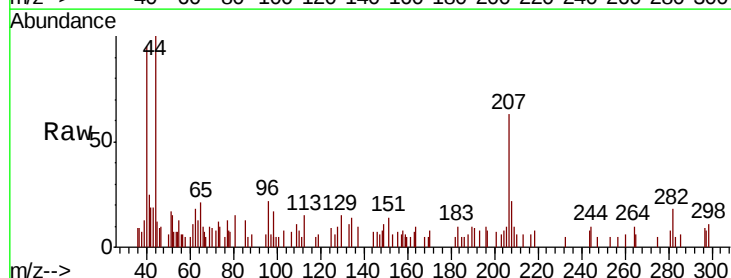
Tgt Ion: 96 Resp: 1334

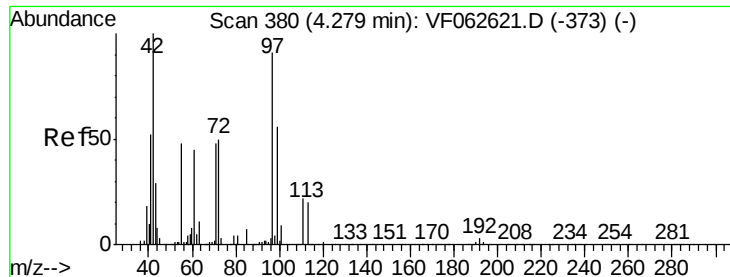
Ion Ratio Lower Upper

96 100

61 48.8 0.0 237.4

98 100.2 0.0 129.0





#29

Tetrahydrofuran

Concen: 6.952 ug/l

RT: 3.96 min Scan# 348

Delta R.T. -0.32 min

Lab File: VF062657.D

Acq: 20 May 2019 13:37

Instrument :

MSVOA_F

ClientSampleId :

OR-02-051619-A

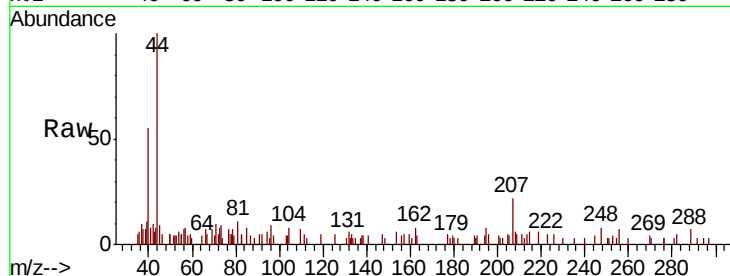
Tot Ion: 42 Resp: 961

Ion Ratio Lower Upper

42 100

72 49.9 38.2 57.2

71 43.3 35.8 53.6



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

3.96

600

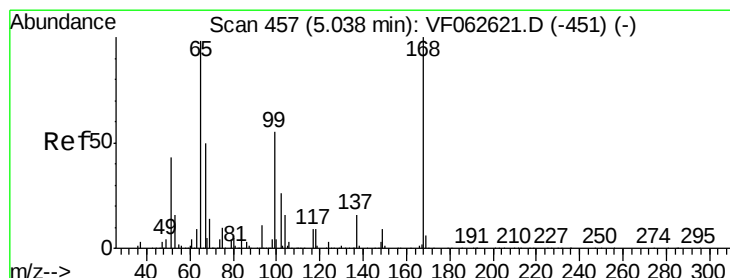
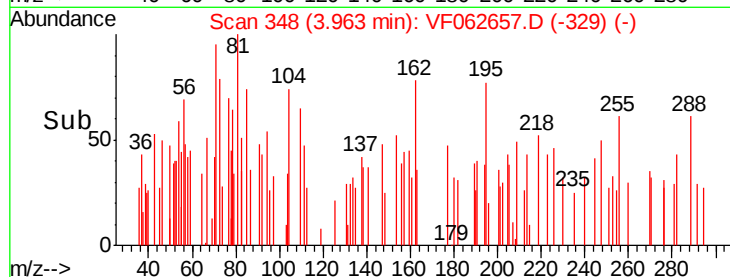
400

200

0

3.90 3.95 4.00

Time-->



#33

1,2-Dichloroethane-d4

Concen: 13.415 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF062657.D

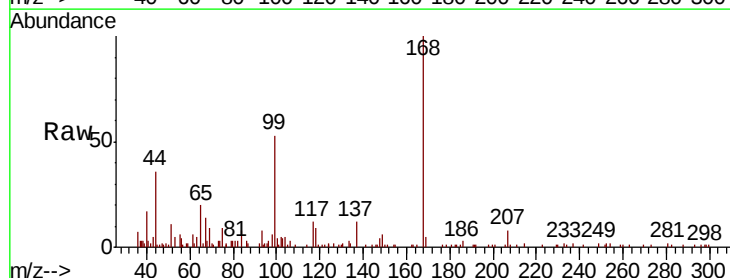
Acq: 20 May 2019 13:37

Tgt Ion: 65 Resp: 8268

Ion Ratio Lower Upper

65 100

67 71.8 0.0 117.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.05

2500

2000

1500

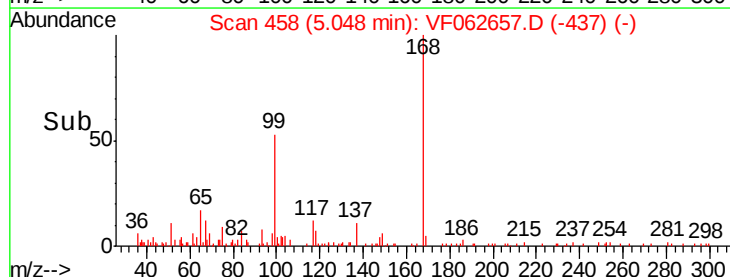
1000

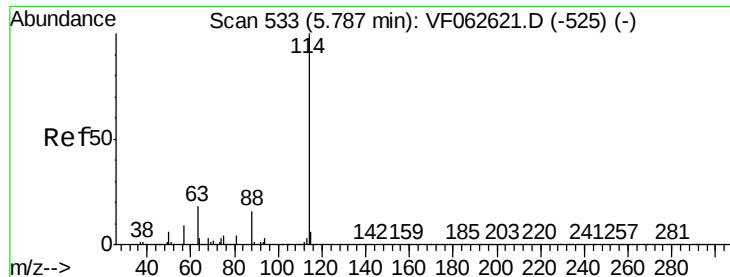
500

0

5.00 5.10 5.20

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 534

Delta R.T. 0.01 min

Lab File: VF062657.D

Acq: 20 May 2019 13:37

Instrument :

MSVOA_F

ClientSampleId :

OR-02-051619-A

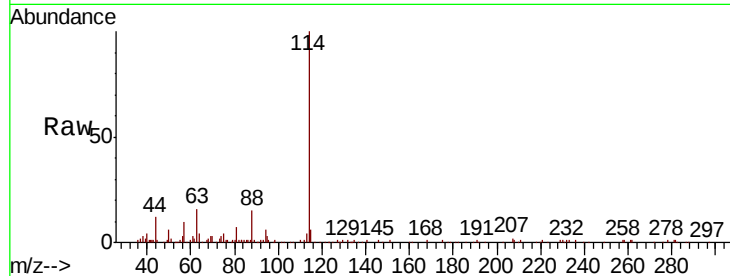
Tot Ion:114 Resp: 100386

Ion Ratio Lower Upper

114 100

63 16.1 0.0 35.4

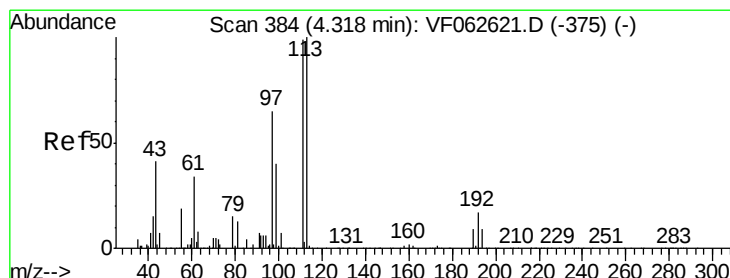
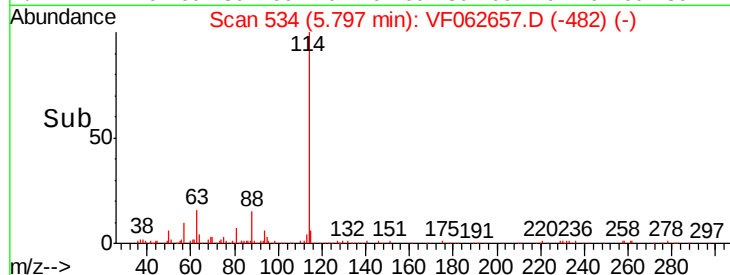
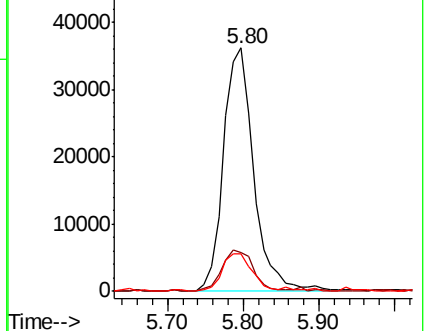
88 15.3 0.0 32.4



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



#35

Dibromofluoromethane

Concen: 24.990 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.00 min

Lab File: VF062657.D

Acq: 20 May 2019 13:37

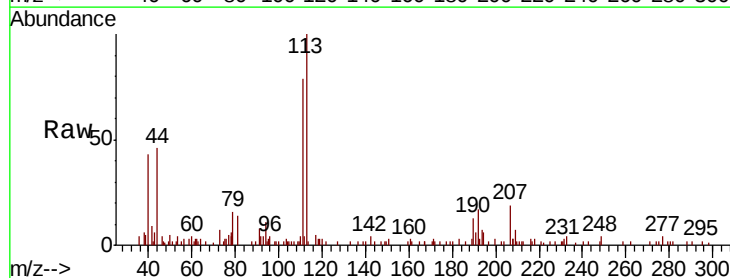
Tgt Ion:113 Resp: 19196

Ion Ratio Lower Upper

113 100

111 77.0 79.4 119.2#

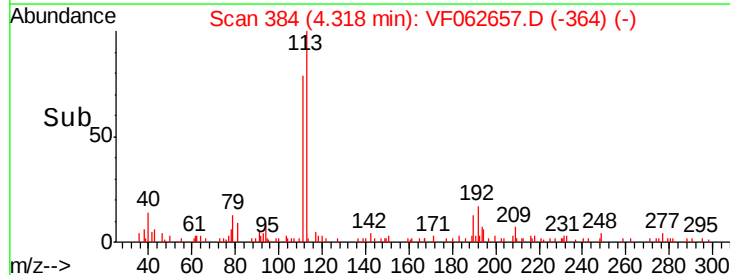
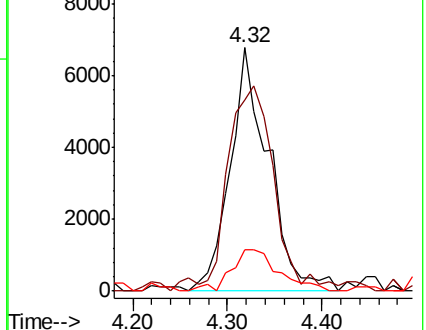
192 16.5 13.4 20.2

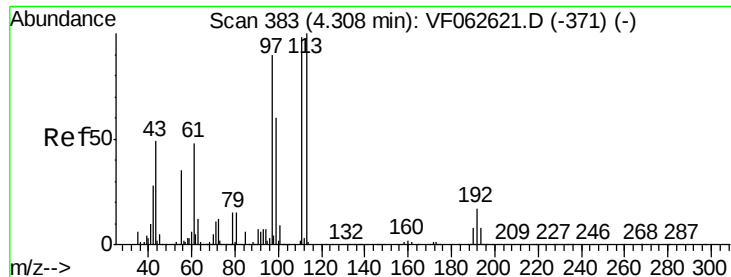


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

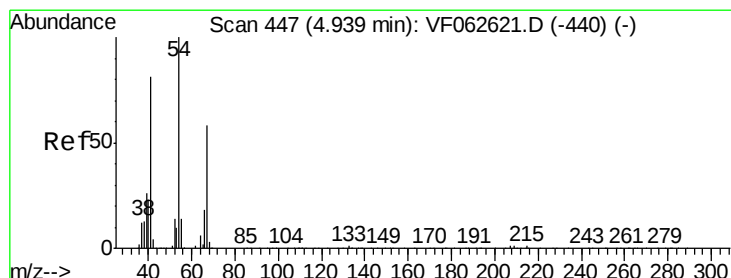
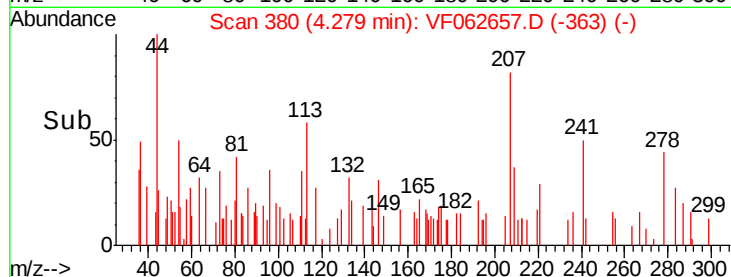
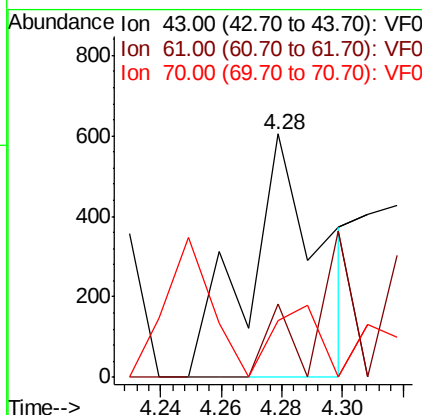
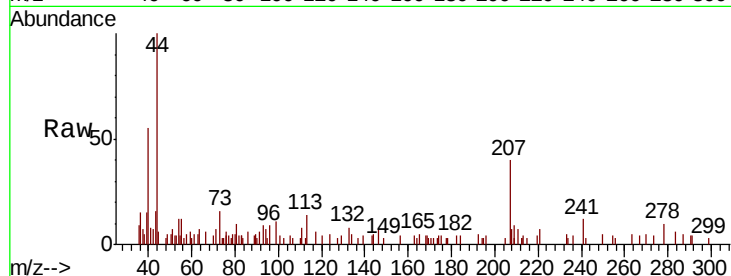




#37
Ethyl Acetate
Concen: 2.400 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.03 min
Lab File: VF062657.D
Acq: 20 May 2019 13:37

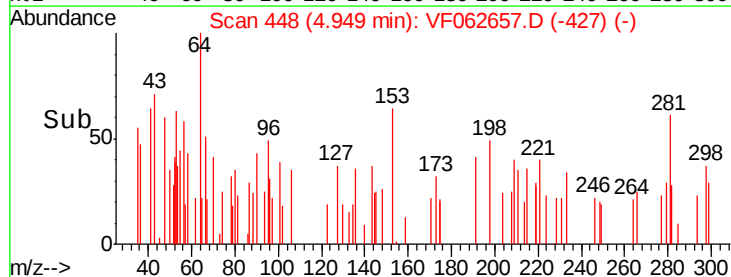
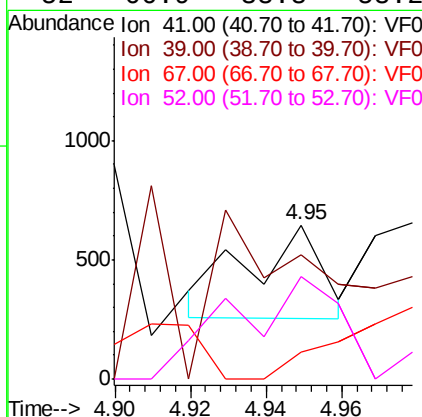
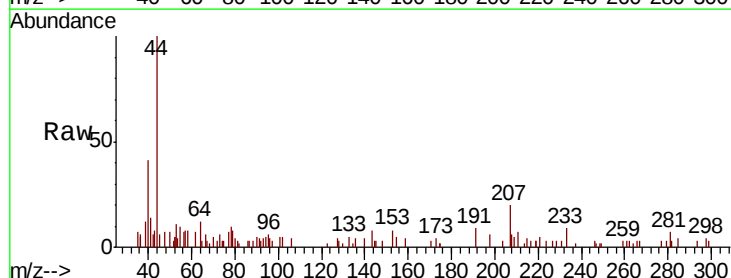
Instrument :
MSVOA_F
ClientSampleId :
OR-02-051619-A

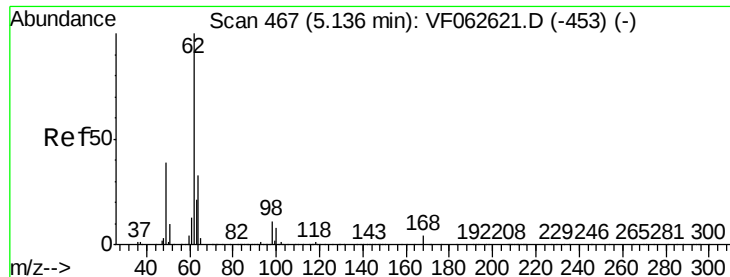
Tot Ion: 43 Resp: 1008
Ion Ratio Lower Upper
43 100
61 30.4 76.9 115.3#
70 23.3 8.8 13.2#



#41
Methacrylonitrile
Concen: 2.393 ug/l
RT: 4.95 min Scan# 448
Delta R.T. 0.01 min
Lab File: VF062657.D
Acq: 20 May 2019 13:37

Tgt Ion: 41 Resp: 527
Ion Ratio Lower Upper
41 100
39 80.3 42.2 63.2#
67 17.5 56.4 84.6#
52 66.9 38.8 58.2#





#42

1,2-Dichloroethane

Concen: 1.560 ug/l

RT: 5.19 min Scan# 472

Delta R.T. 0.05 min

Lab File: VF062657.D

Acq: 20 May 2019 13:37

Instrument :

MSVOA_F

ClientSampleId :

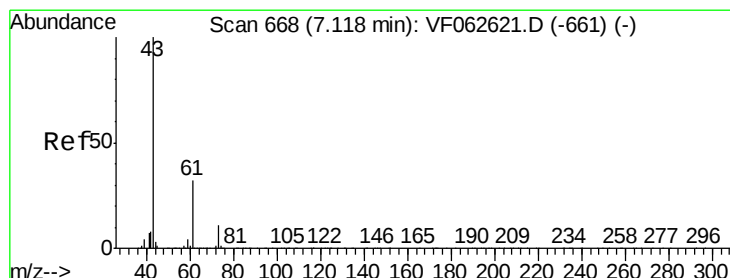
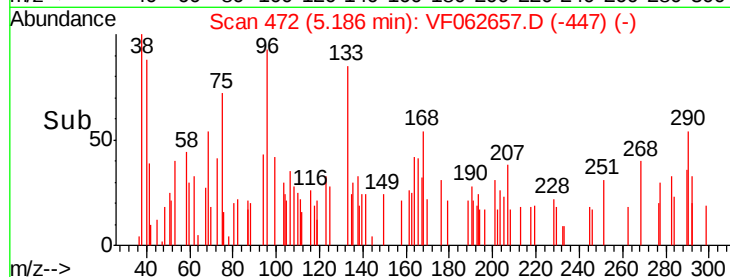
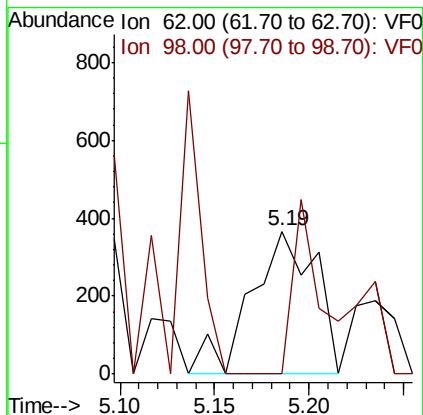
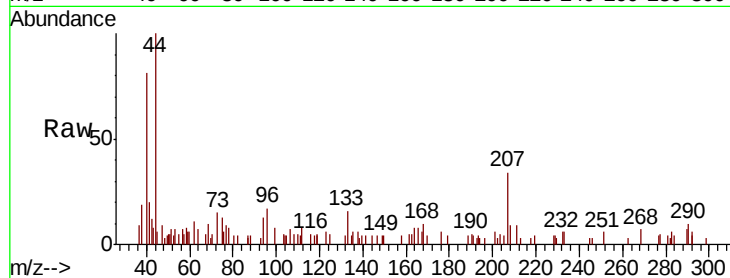
OR-02-051619-A

Tot Ion: 62 Resp: 872

Ion Ratio Lower Upper

62 100

98 0.0 0.0 21.6



#43

Isopropyl Acetate

Concen: 1.595 ug/l

RT: 7.14 min Scan# 670

Delta R.T. 0.02 min

Lab File: VF062657.D

Acq: 20 May 2019 13:37

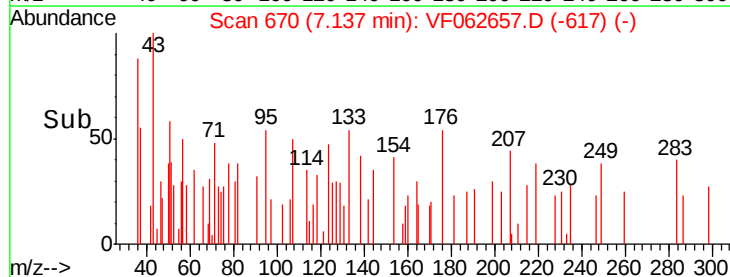
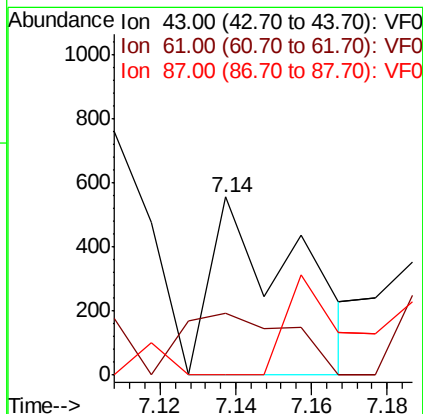
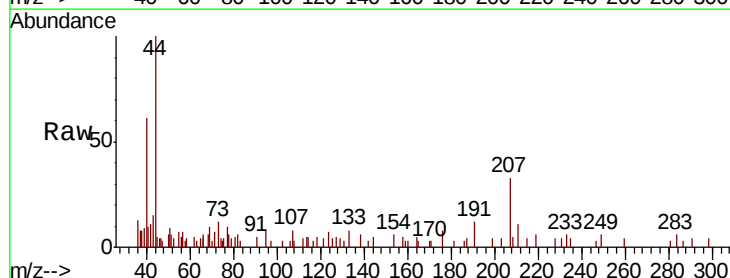
Tgt Ion: 43 Resp: 868

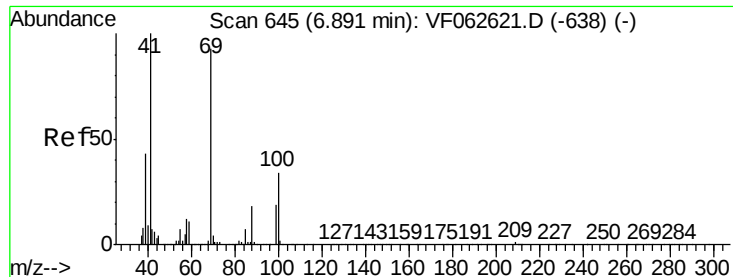
Ion Ratio Lower Upper

43 100

61 34.8 25.8 38.8

87 0.0 0.4 0.6#





#48

Methvl methacrylate

Concen: 9.441 ug/l

RT: 6.93 min Scan# 649

Delta R.T. 0.04 min

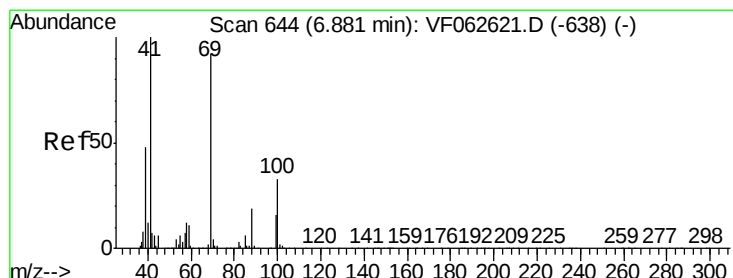
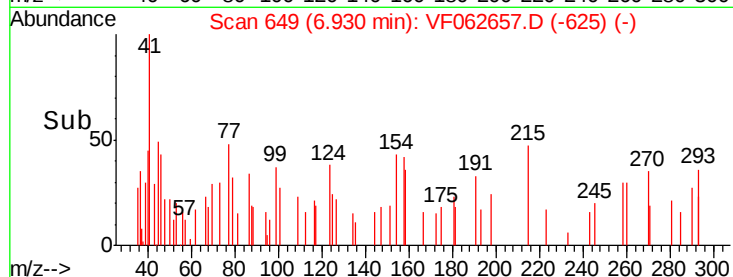
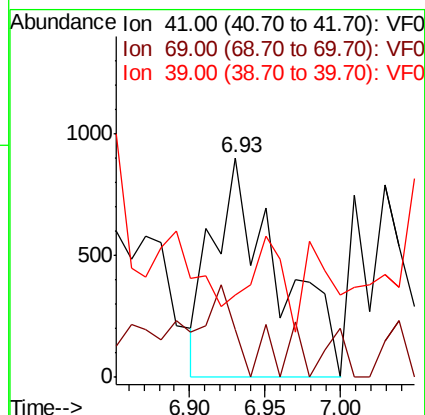
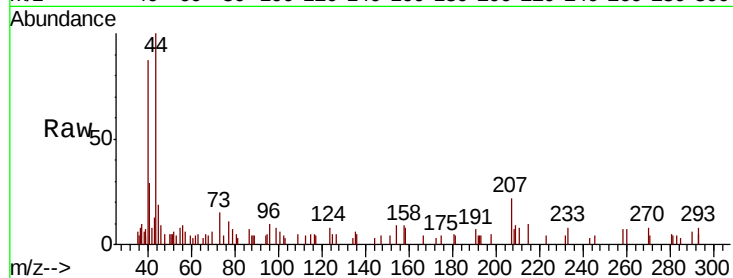
Lab File: VF062657.D

Acq: 20 May 2019 13:37

Instrument :
MSVOA_F
ClientSampleId :
OR-02-051619-A

Tot Ion: 41 Resp: 2685

Ion	Ratio	Lower	Upper
41	100		
69	22.0	74.2	111.2#
39	37.2	34.2	51.4



#49

1,4-Dioxane

Concen: 169.109 ug/l

RT: 6.89 min Scan# 645

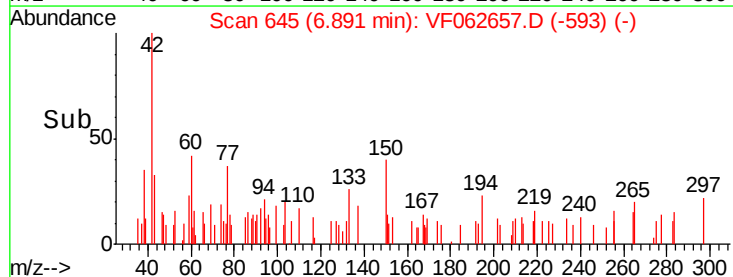
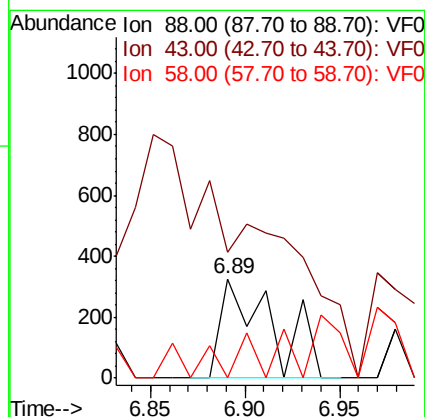
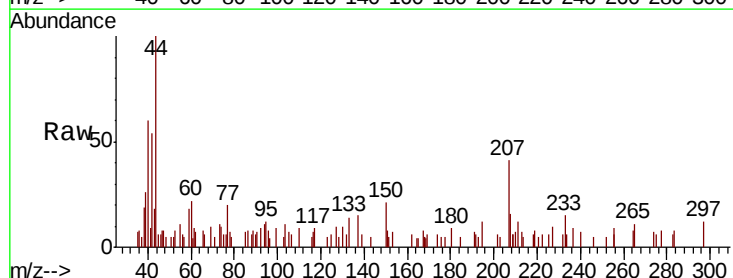
Delta R.T. 0.01 min

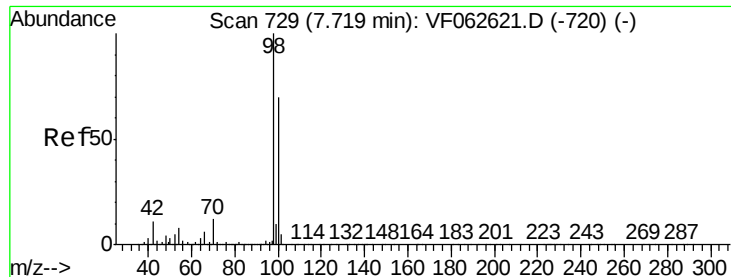
Lab File: VF062657.D

Acq: 20 May 2019 13:37

Tgt Ion: 88 Resp: 616

Ion	Ratio	Lower	Upper
88	100		
43	127.1	30.0	45.0#
58	0.0	51.1	76.7#





#50

Toluene-d8

Concen: 33.939 ug/l

RT: 7.73 min Scan# 730

Delta R.T. 0.01 min

Lab File: VF062657.D

Acq: 20 May 2019 13:37

Instrument :

MSVOA_F

ClientSampleId :

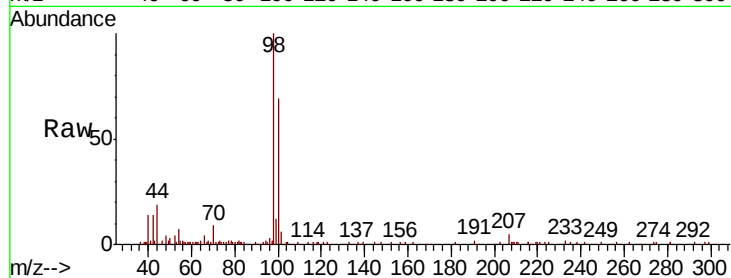
OR-02-051619-A

Tot Ion: 98 Resp: 62247

Ion Ratio Lower Upper

98 100

100 69.3 56.2 84.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.73

25000

20000

15000

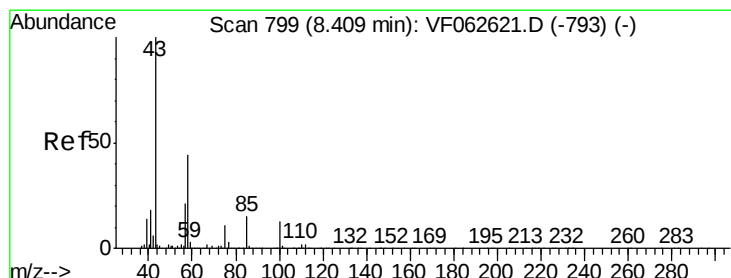
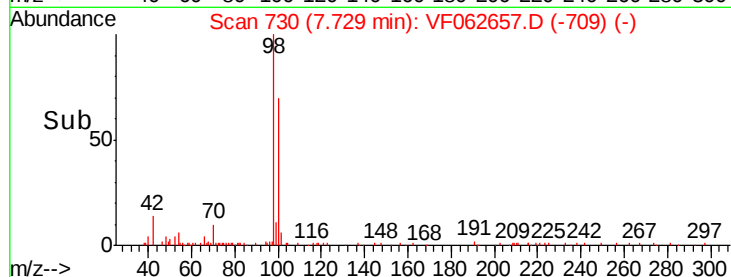
10000

5000

0

Time-->

7.60 7.70 7.80



#51

4-Methyl-2-Pentanone

Concen: 1.280 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.02 min

Lab File: VF062657.D

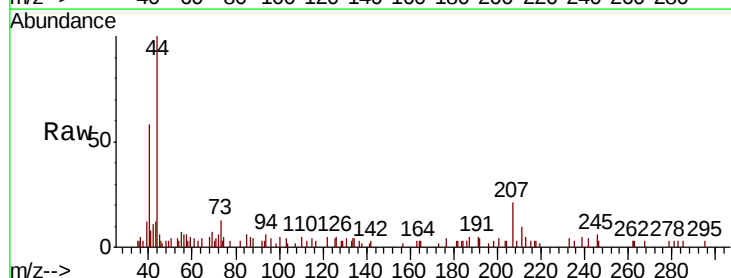
Acq: 20 May 2019 13:37

Tgt Ion: 43 Resp: 476

Ion Ratio Lower Upper

43 100

58 23.5 34.9 52.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.43

1000

800

600

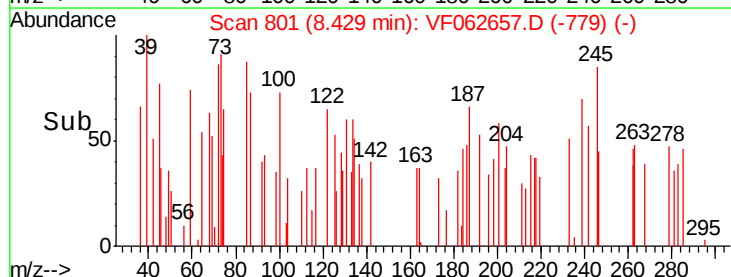
400

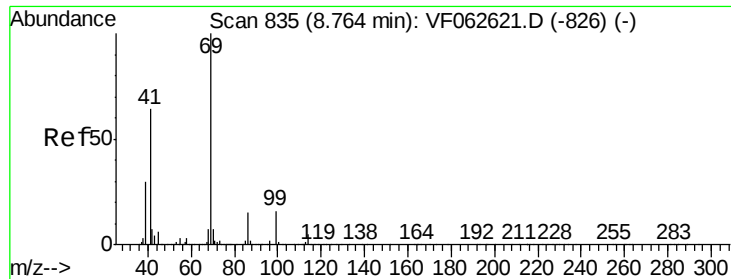
200

0

Time-->

8.40 8.42 8.44 8.46





#56

Ethyl methacrylate

Concen: 2.085 ug/l

RT: 8.78 min Scan# 837

Delta R.T. 0.02 min

Lab File: VF062657.D

Acq: 20 May 2019 13:37

Instrument :

MSVOA_F

ClientSampleId :

OR-02-051619-A

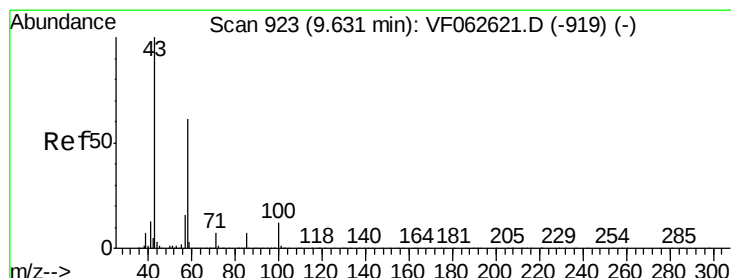
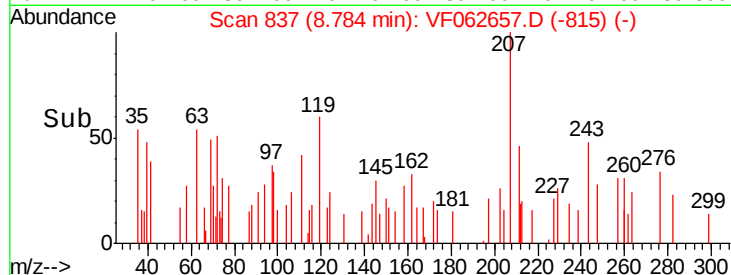
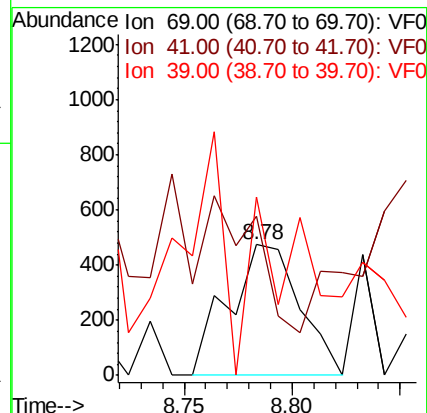
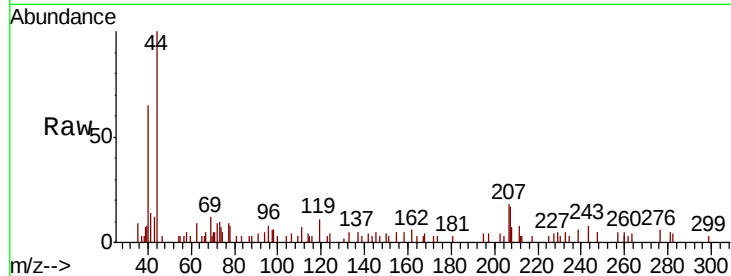
Tot Ion: 69 Resp: 1081

Ion Ratio Lower Upper

69 100

41 93.5 51.4 77.2#

39 104.7 23.6 35.4#



#59

2-Hexanone

Concen: Below Cal

RT: 9.59 min Scan# 919

Delta R.T. -0.04 min

Lab File: VF062657.D

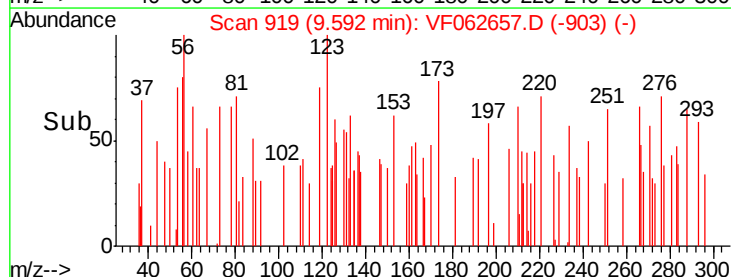
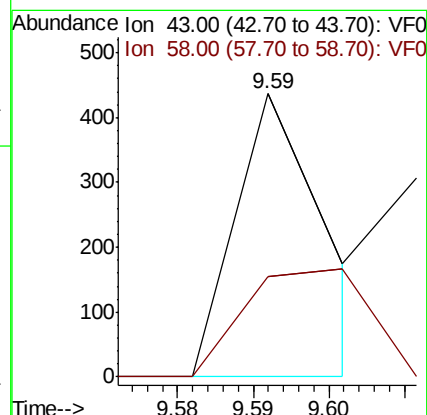
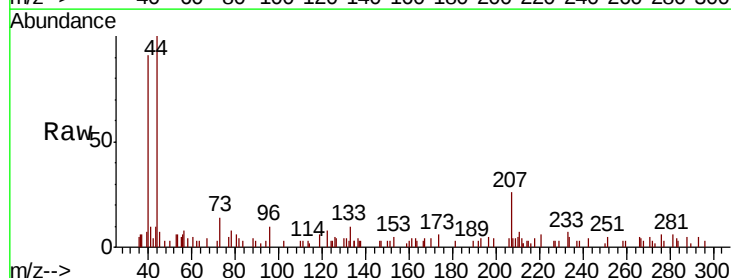
Acq: 20 May 2019 13:37

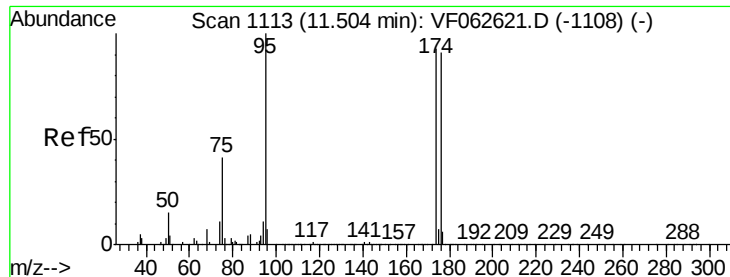
Tgt Ion: 43 Resp: 362

Ion Ratio Lower Upper

43 100

58 35.5 28.1 84.4

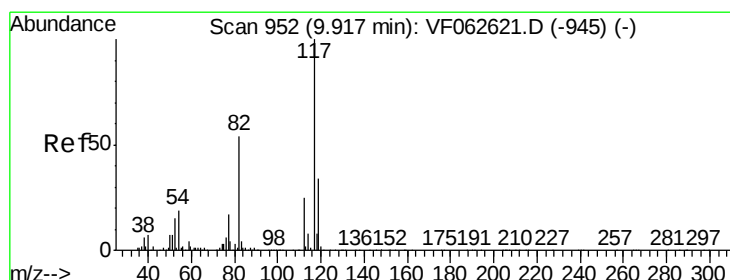
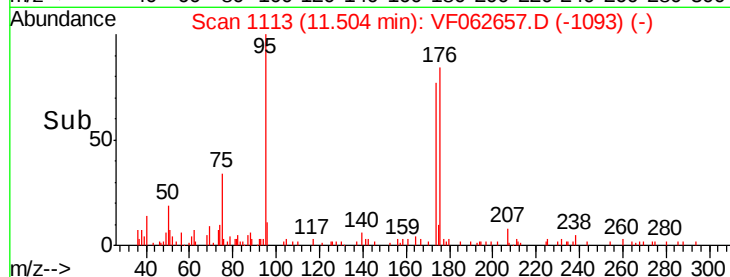
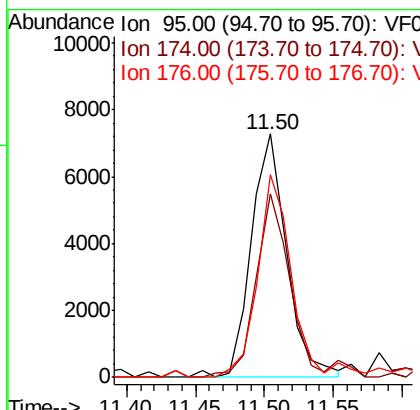
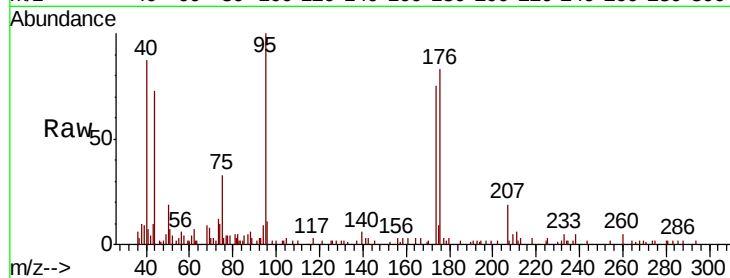




#62
4-Bromofluorobenzene
Concen: 18.930 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VF062657.D
Acq: 20 May 2019 13:37

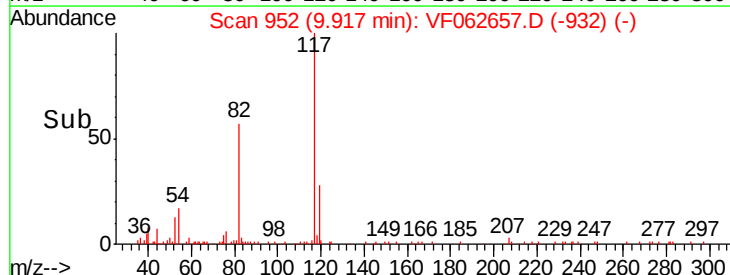
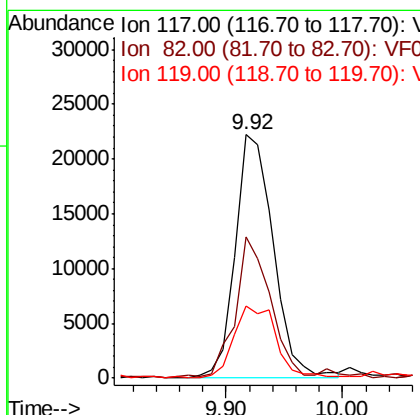
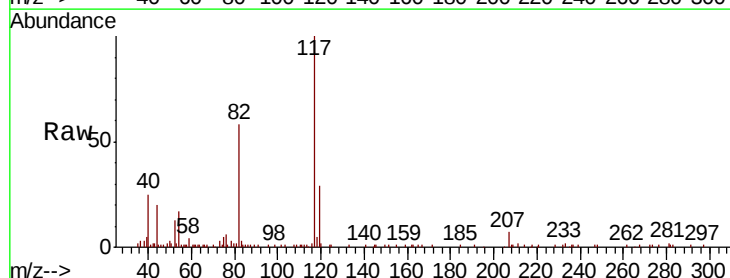
Instrument :
MSVOA_F
ClientSampleId :
OR-02-051619-A

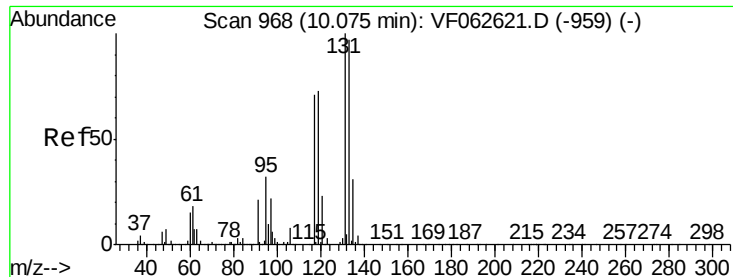
Tot Ion	95	Resp	13168
Ion Ratio	Lower	Upper	
95	100		
174	75.4	0.0	185.6
176	83.4	0.0	182.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062657.D
Acq: 20 May 2019 13:37

Tgt Ion	117	Resp	50434
Ion Ratio	Lower	Upper	
117	100		
82	58.2	43.3	64.9
119	29.4	27.4	41.0





#66

1,1,1,2-Tetrachloroethane

Concen: 1.343 ug/l

RT: 10.06 min Scan# 966

Delta R.T. -0.02 min

Lab File: VF062657.D

Acq: 20 May 2019 13:37

Instrument :

MSVOA_F

ClientSampleId :

OR-02-051619-A

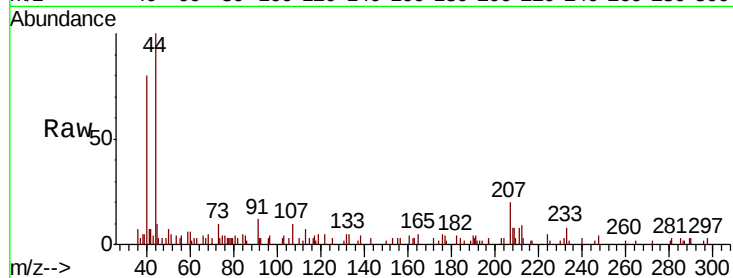
Tot Ion:131 Resp: 534

Ion Ratio Lower Upper

131 100

133 102.7 48.5 145.5

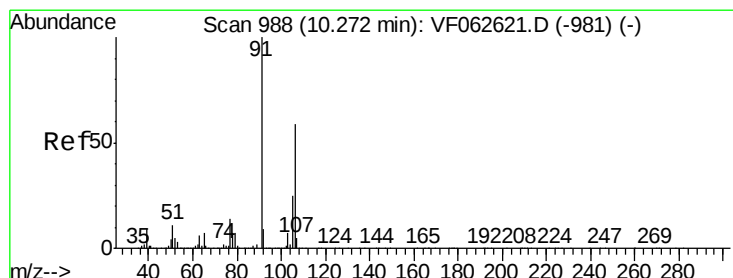
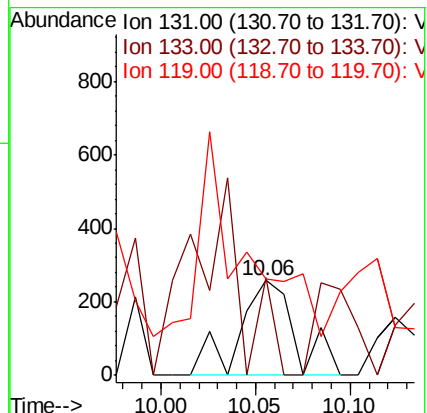
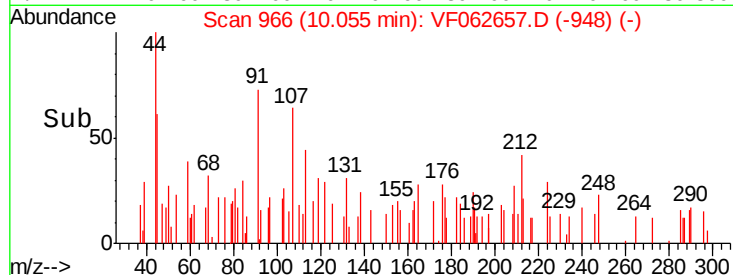
119 101.9 36.8 110.4



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



#68

m/p-Xylenes

Concen: 1.492 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF062657.D

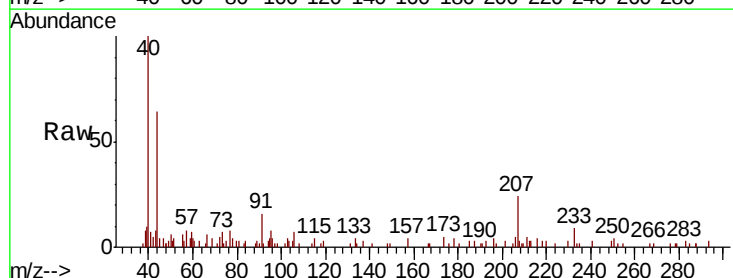
Acq: 20 May 2019 13:37

Tgt Ion:106 Resp: 965

Ion Ratio Lower Upper

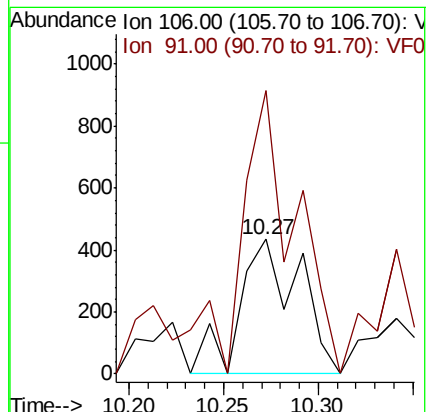
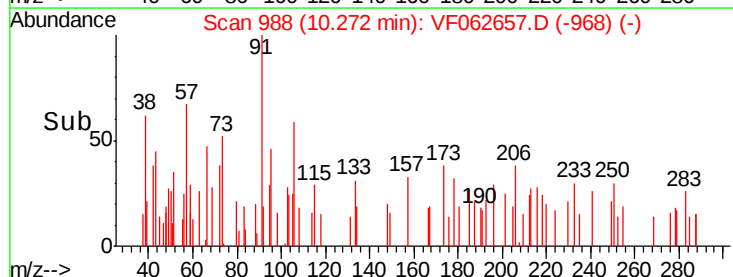
106 100

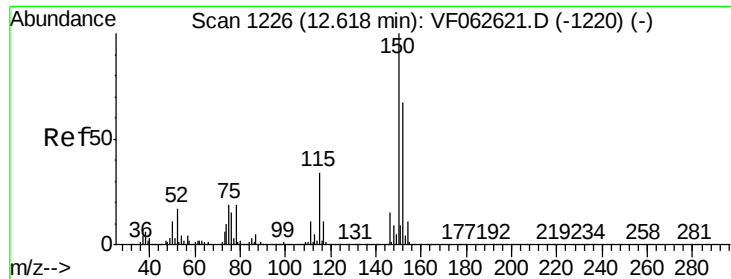
91 210.4 136.9 205.3#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. 0.00 min

Lab File: VF062657.D

Acq: 20 May 2019 13:37

Instrument :

MSVOA_F

ClientSampleId :

OR-02-051619-A

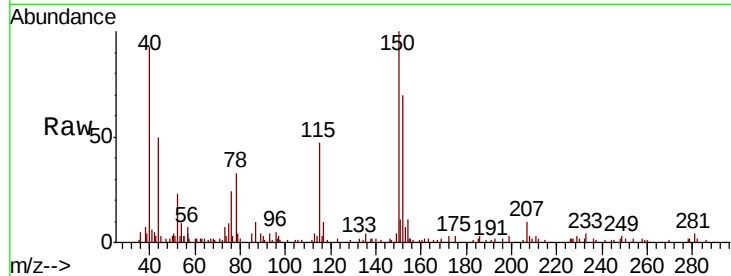
Tot Ion:152 Resp: 11873

Ion Ratio Lower Upper

152 100

115 66.8 25.2 75.6

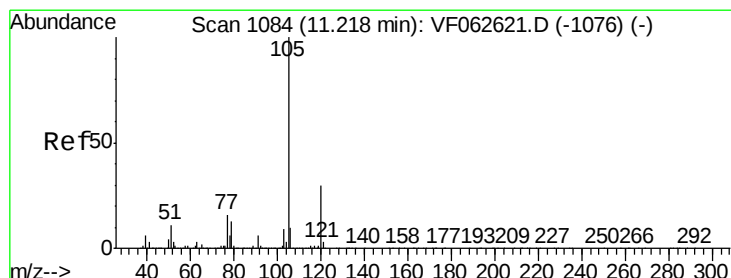
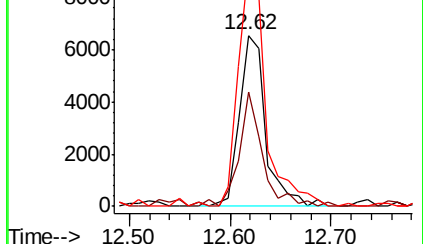
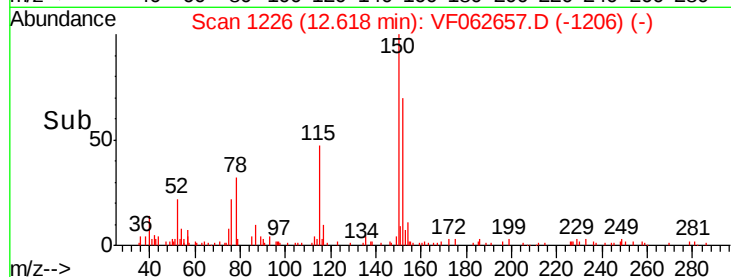
150 142.5 0.0 306.2



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



#73

Isopropylbenzene

Concen: 1.856 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.02 min

Lab File: VF062657.D

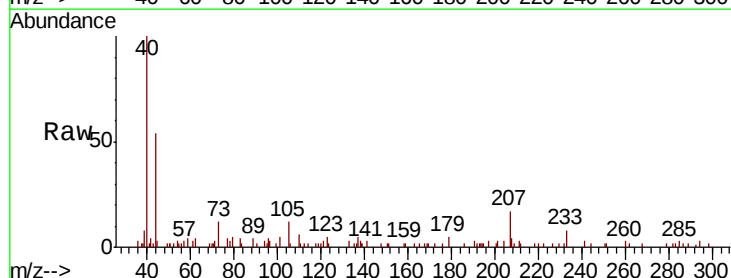
Acq: 20 May 2019 13:37

Tgt Ion:105 Resp: 1579

Ion Ratio Lower Upper

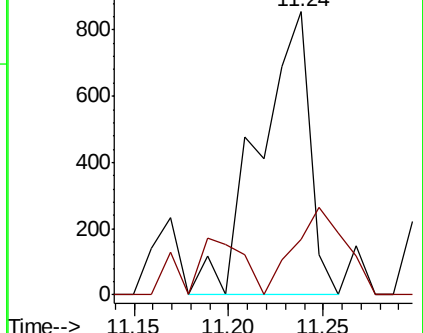
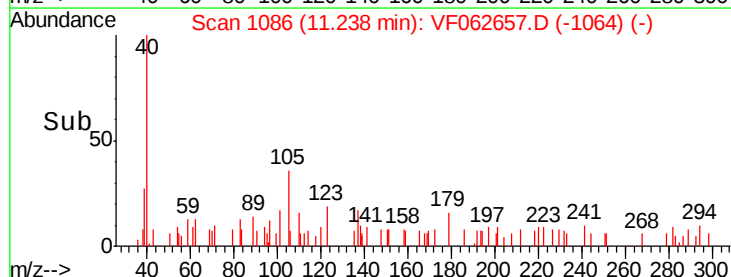
105 100

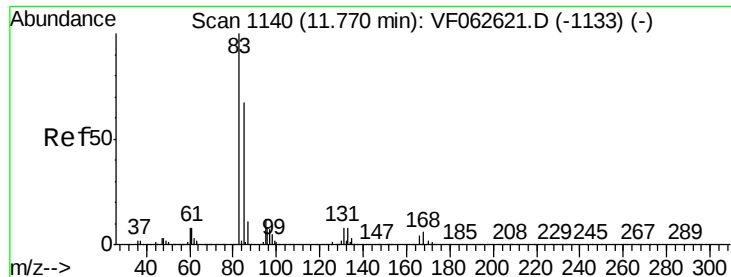
120 19.6 14.8 44.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 4.307 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.02 min

Lab File: VF062657.D

Acq: 20 May 2019 13:37

Instrument :

MSVOA_F

ClientSampleId :

OR-02-051619-A

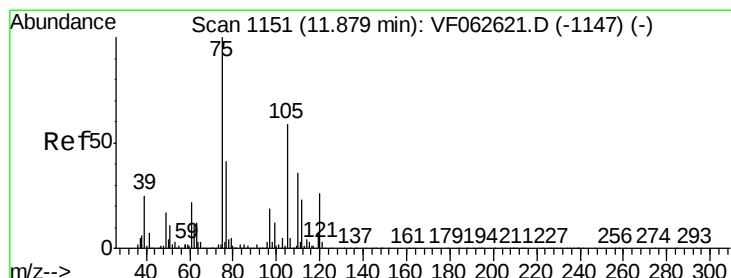
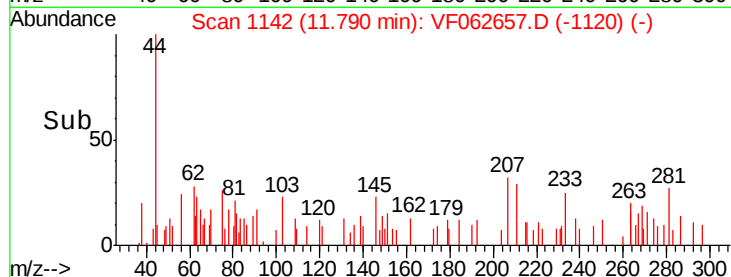
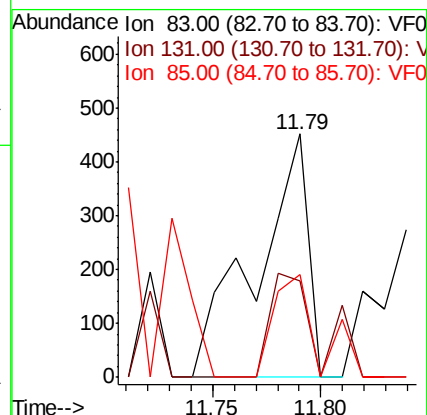
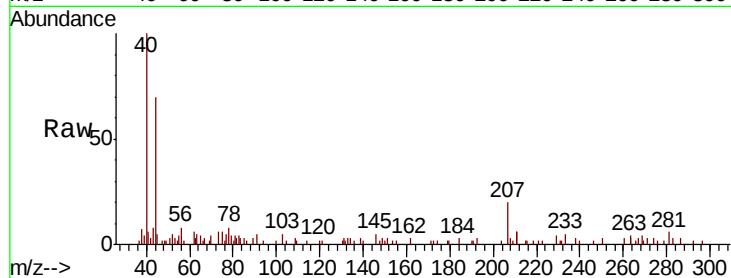
Tot Ion: 83 Resp: 749

Ion Ratio Lower Upper

83 100

131 39.4 4.0 12.0#

85 42.3 33.5 100.5



#76

1,2,3-Trichloropropane

Concen: 4.595 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.01 min

Lab File: VF062657.D

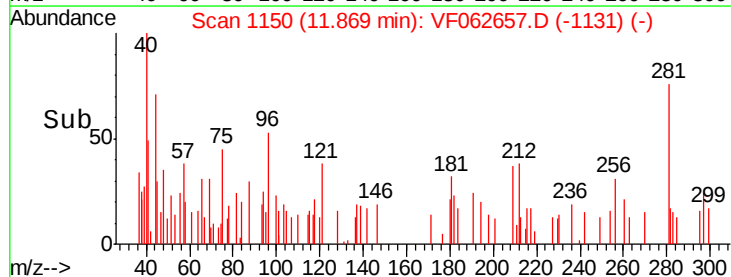
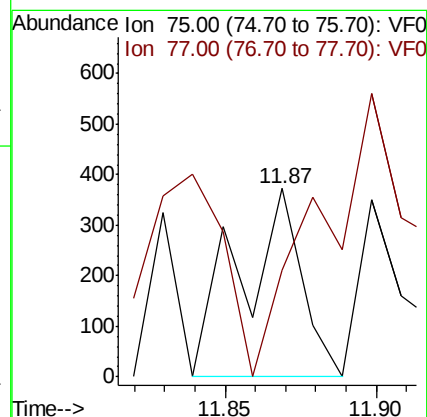
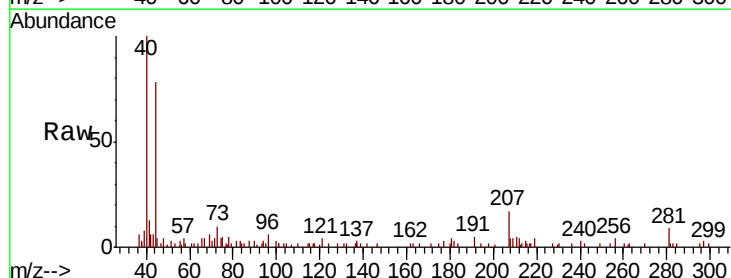
Acq: 20 May 2019 13:37

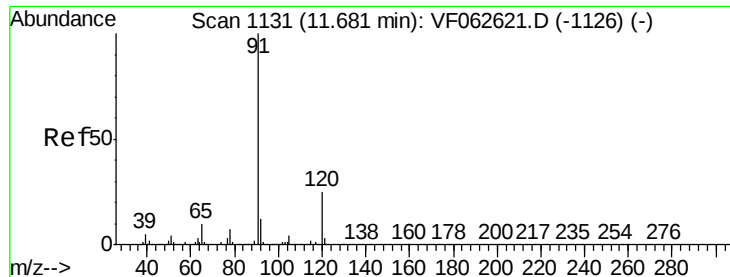
Tgt Ion: 75 Resp: 525

Ion Ratio Lower Upper

75 100

77 57.0 20.6 61.8





#78

n-propylbenzene

Concen: 2.300 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF062657.D

Acq: 20 May 2019 13:37

Instrument :

MSVOA_F

ClientSampleId :

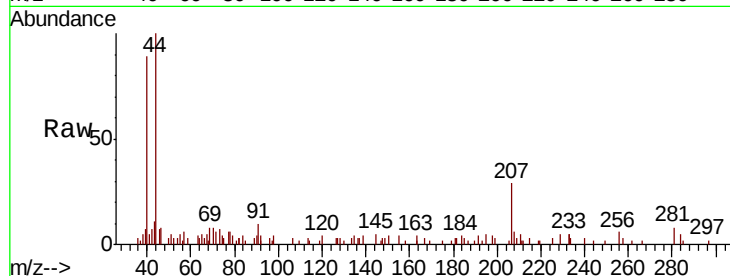
OR-02-051619-A

Tot Ion: 91 Resp: 2316

Ion Ratio Lower Upper

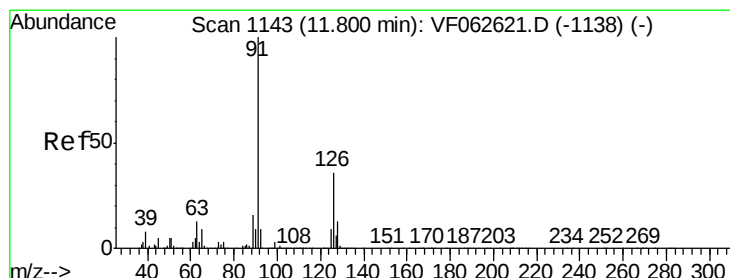
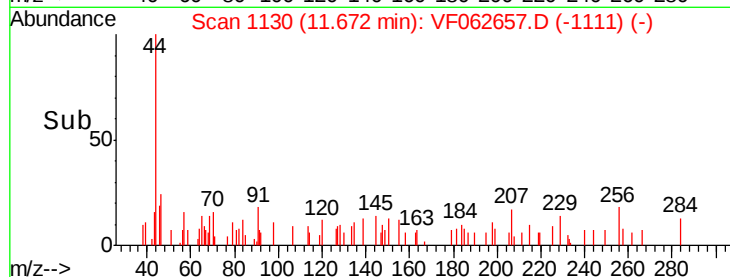
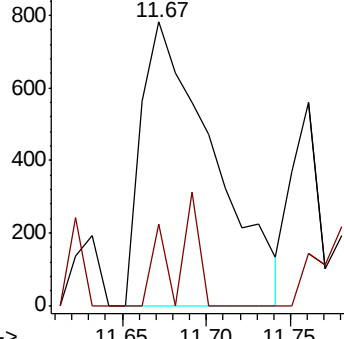
91 100

120 28.6 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 1.570 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VF062657.D

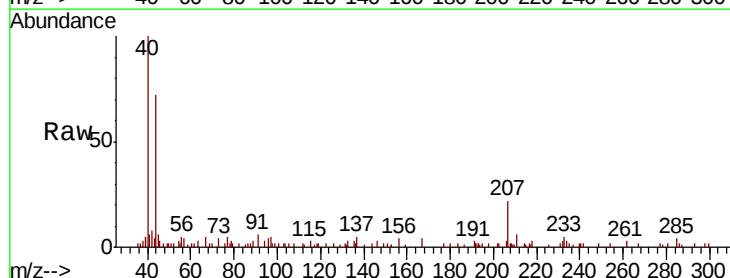
Acq: 20 May 2019 13:37

Tgt Ion: 91 Resp: 891

Ion Ratio Lower Upper

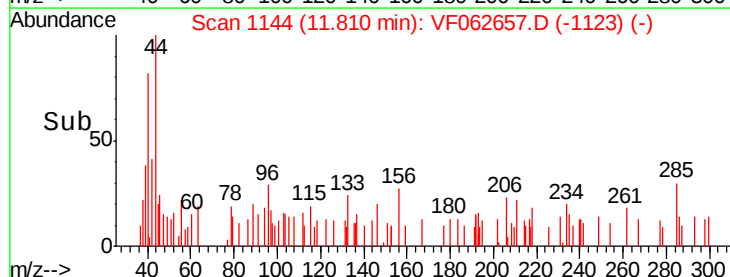
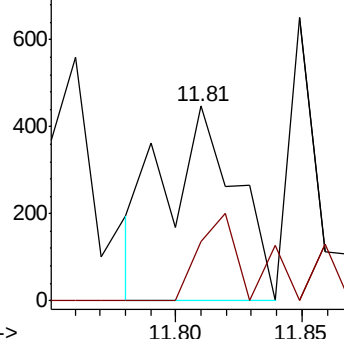
91 100

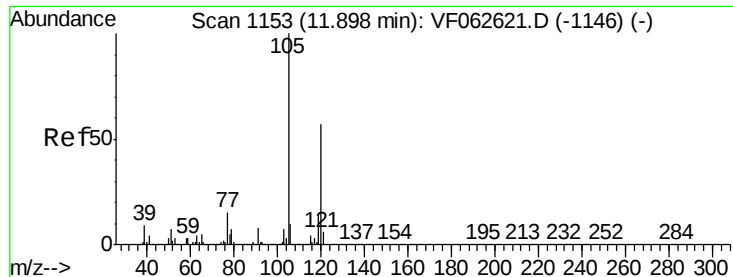
126 30.2 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#80

1,3,5-Trimethylbenzene

Concen: 1.191 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.12 min

Lab File: VF062657.D

Acq: 20 May 2019 13:37

Instrument :

MSVOA_F

ClientSampleId :

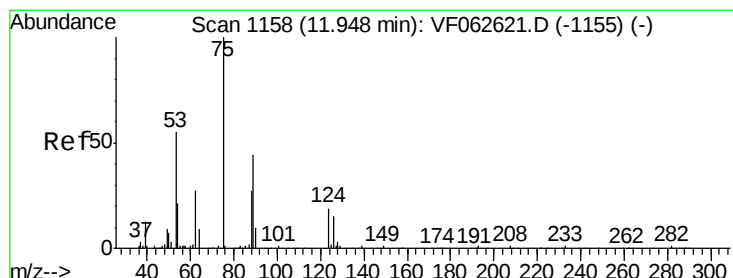
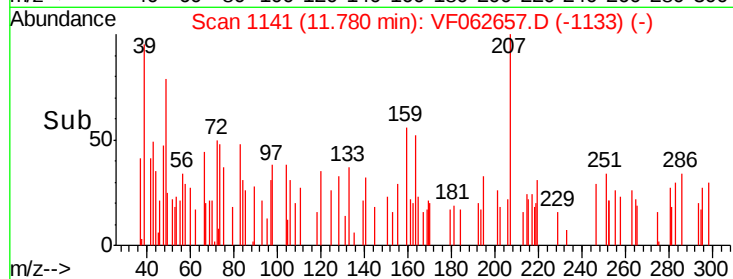
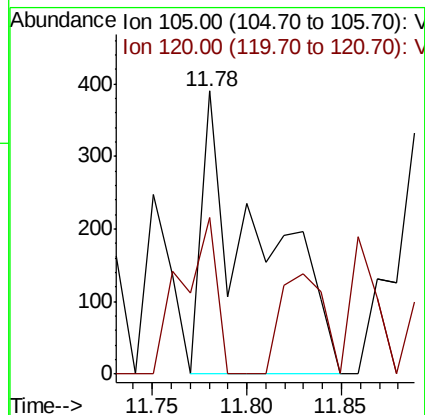
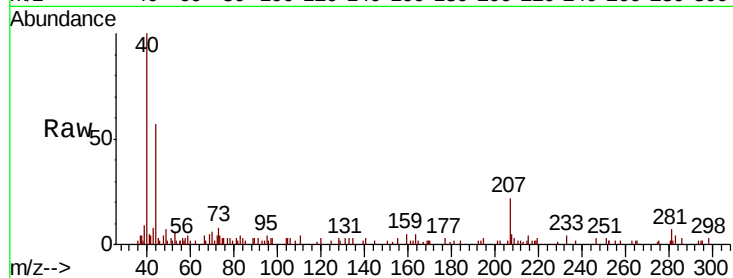
OR-02-051619-A

Tot Ion:105 Resp: 813

Ion Ratio Lower Upper

105 100

120 55.4 28.7 86.3



#81

trans-1,4-Dichloro-2-butene

Concen: 10.710 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. 0.03 min

Lab File: VF062657.D

Acq: 20 May 2019 13:37

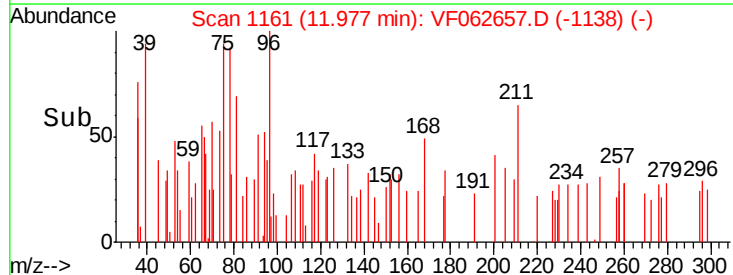
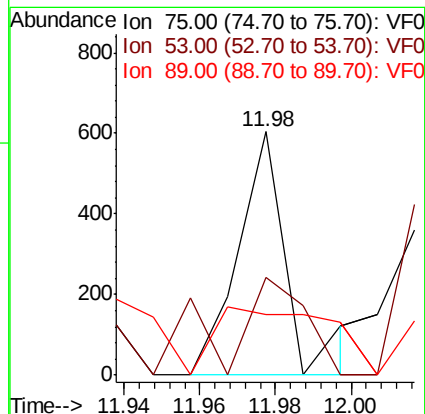
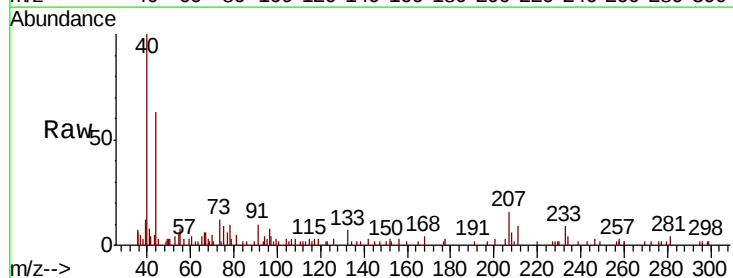
Tgt Ion: 75 Resp: 544

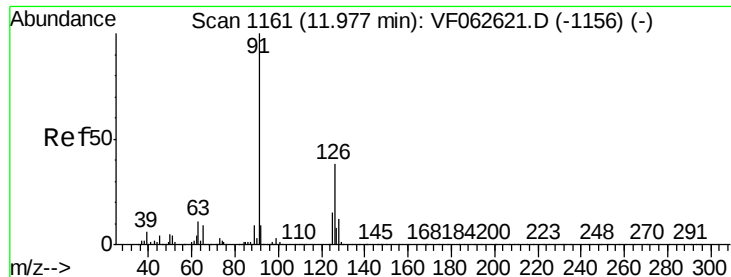
Ion Ratio Lower Upper

75 100

53 40.1 46.9 70.3#

89 24.7 36.4 54.6#

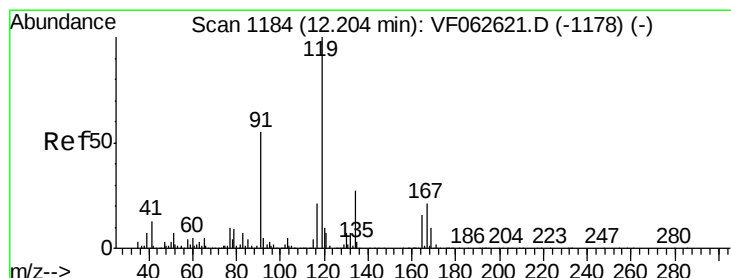
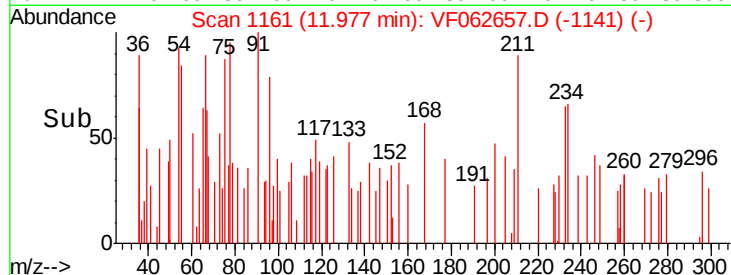
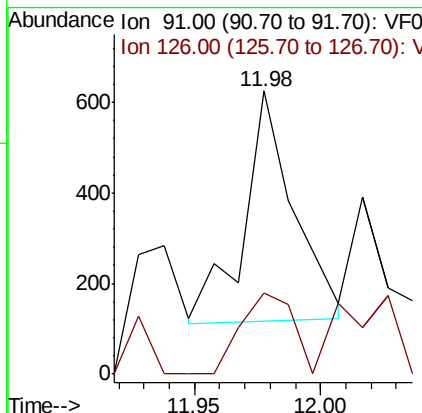
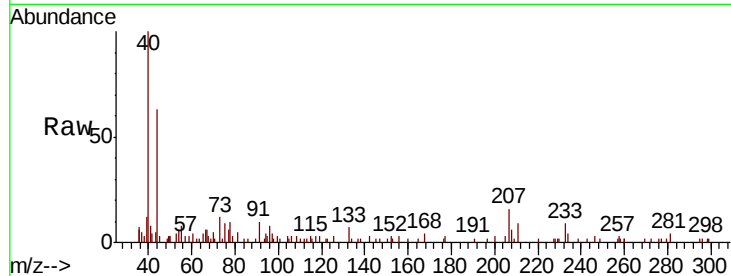




#82
4-Chlorotoluene
Concen: 1.245 ug/l
RT: 11.98 min Scan# 1161
Delta R.T. 0.00 min
Lab File: VF062657.D
Acq: 20 May 2019 13:37

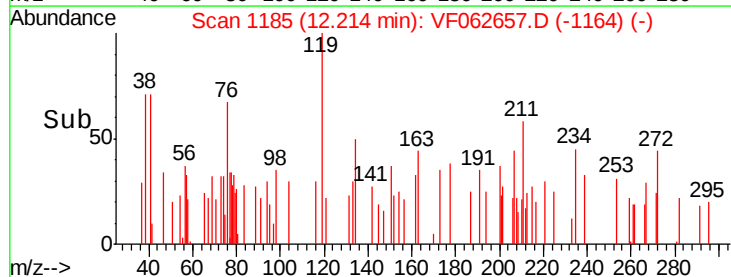
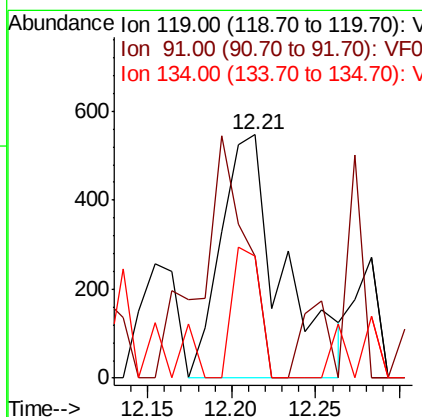
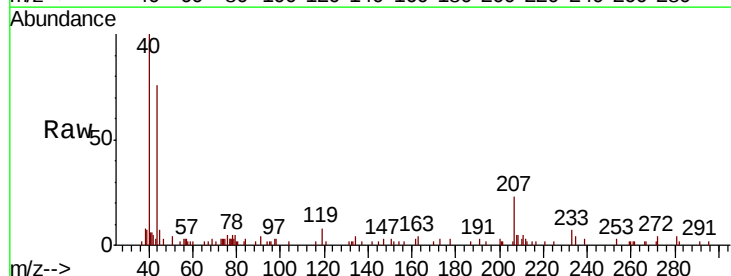
Instrument :
MSVOA_F
ClientSampleId :
OR-02-051619-A

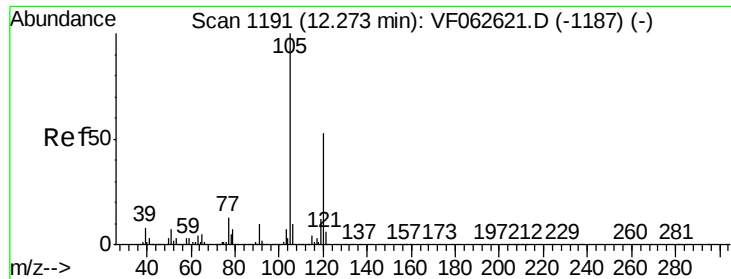
Tot Ion: 91 Resp: 697
Ion Ratio Lower Upper
91 100
126 28.5 19.1 57.1



#83
tert-Butylbenzene
Concen: 2.001 ug/l
RT: 12.21 min Scan# 1185
Delta R.T. 0.01 min
Lab File: VF062657.D
Acq: 20 May 2019 13:37

Tgt Ion: 119 Resp: 1385
Ion Ratio Lower Upper
119 100
91 50.1 27.3 81.9
134 50.3 13.6 40.7#

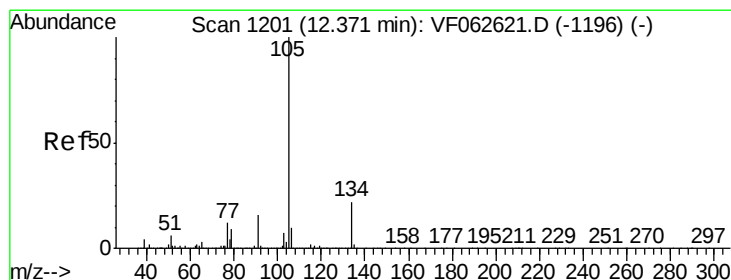
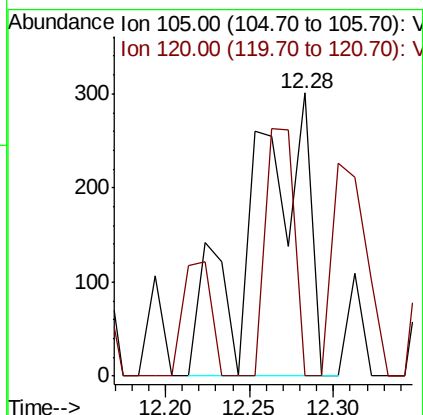
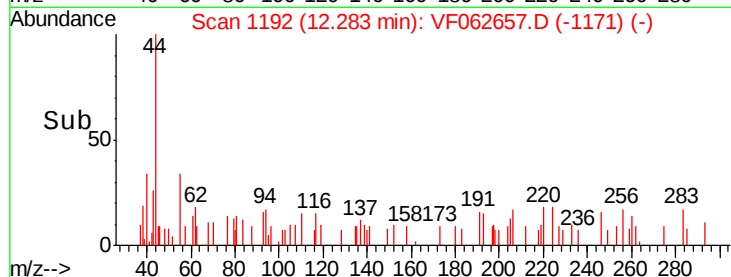
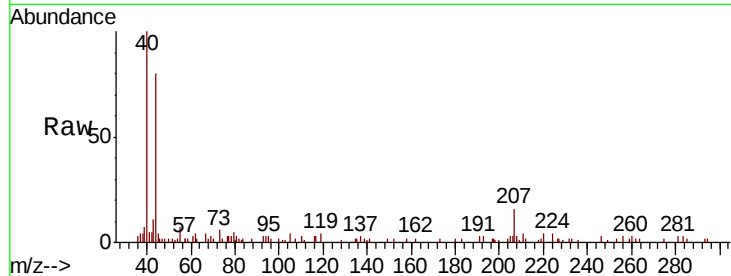




#84
1,2,4-Trimethylbenzene
Concen: 1.090 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. 0.01 min
Lab File: VF062657.D
Acq: 20 May 2019 13:37

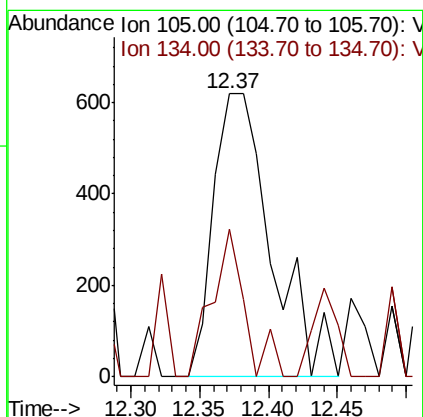
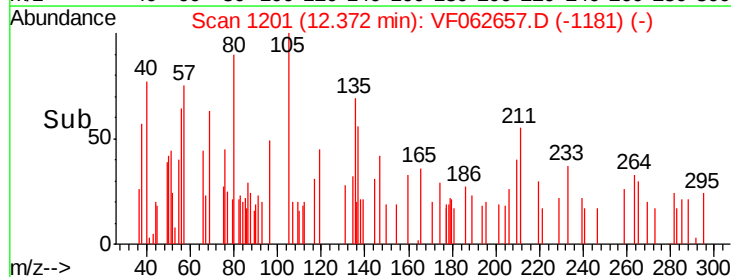
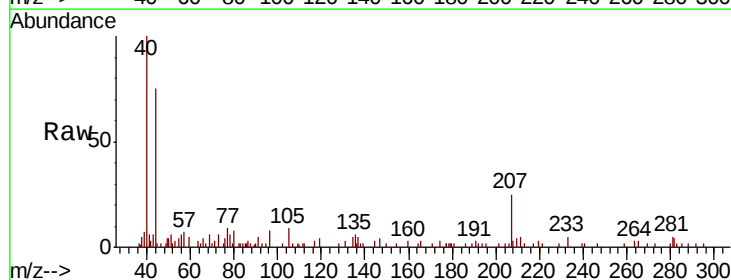
Instrument :
MSVOA_F
ClientSampleId :
OR-02-051619-A

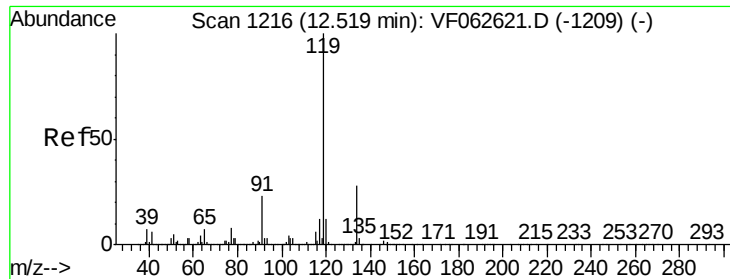
Tot Ion:105 Resp: 720
Ion Ratio Lower Upper
105 100
120 0.0 26.7 80.1#



#85
sec-Butylbenzene
Concen: 1.959 ug/l
RT: 12.37 min Scan# 1201
Delta R.T. 0.00 min
Lab File: VF062657.D
Acq: 20 May 2019 13:37

Tgt Ion:105 Resp: 1820
Ion Ratio Lower Upper
105 100
134 52.0 10.8 32.4#

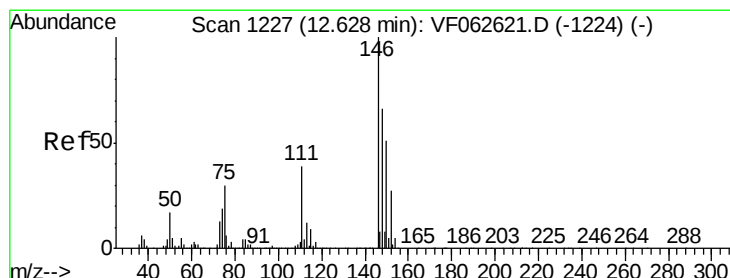
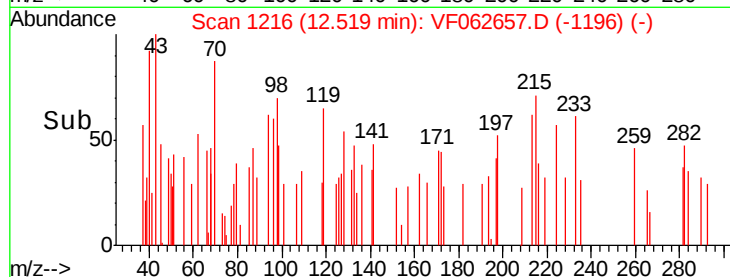
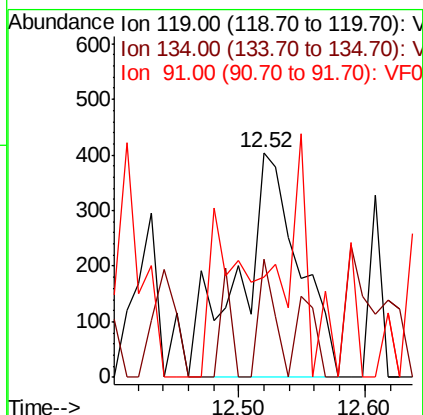
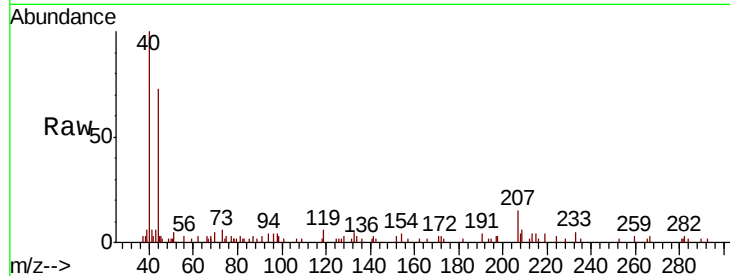




#86
p-Isopropyltoluene
Concen: 1.699 ug/l
RT: 12.52 min Scan# 1216
Delta R.T. 0.00 min
Lab File: VF062657.D
Acq: 20 May 2019 13:37

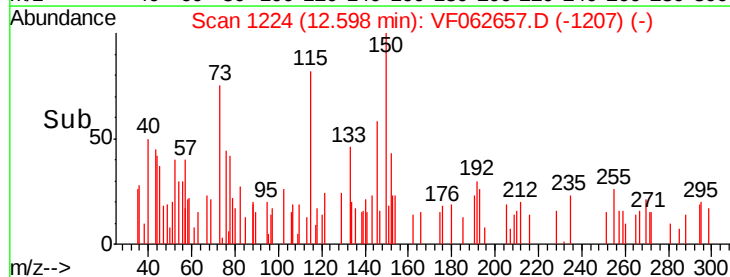
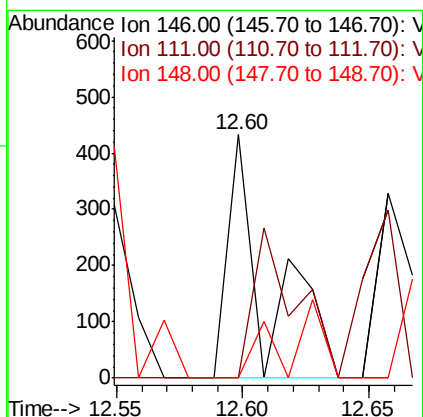
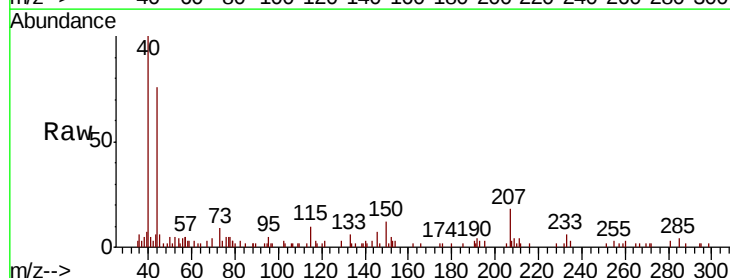
Instrument :
MSVOA_F
ClientSampleId :
OR-02-051619-A

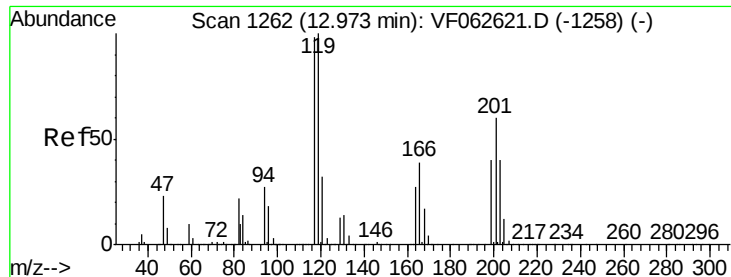
Tot Ion	Ratio	Lower	Upper
119	100		
134	52.7	14.1	42.3#
91	44.8	11.4	34.2#



#88
1,4-Dichlorobenzene
Concen: 1.320 ug/l
RT: 12.60 min Scan# 1224
Delta R.T. -0.03 min
Lab File: VF062657.D
Acq: 20 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.4	58.2#
148	0.0	33.2	99.6#





#90

Hexachloroethane

Concen: 2.886 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.02 min

Lab File: VF062657.D

Acq: 20 May 2019 13:37

Instrument :

MSVOA_F

ClientSampleId :

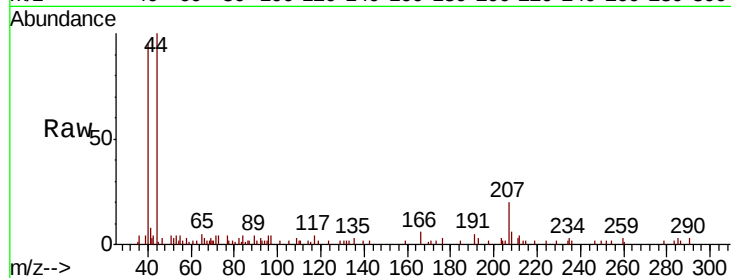
OR-02-051619-A

Tot Ion:117 Resp: 542

Ion Ratio Lower Upper

117 100

201 0.0 30.7 92.1#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

12.99

250

200

150

100

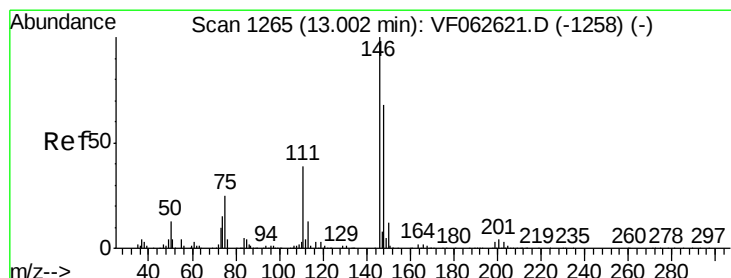
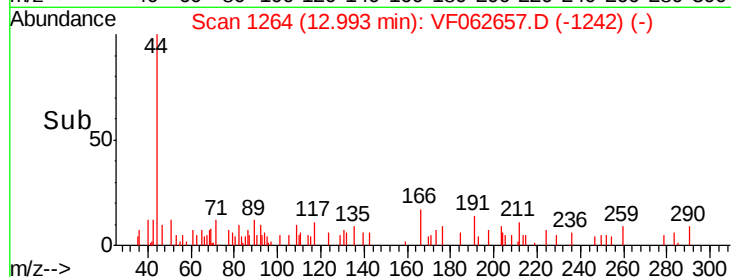
50

0

12.95

13.00

Time-->



#91

1,2-Dichlorobenzene

Concen: 1.193 ug/l

RT: 12.95 min Scan# 1260

Delta R.T. -0.05 min

Lab File: VF062657.D

Acq: 20 May 2019 13:37

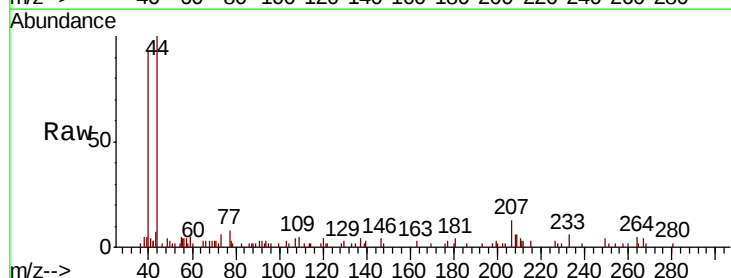
Tgt Ion:146 Resp: 407

Ion Ratio Lower Upper

146 100

111 35.7 19.8 59.3

148 45.1 34.1 102.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

12.95

300

200

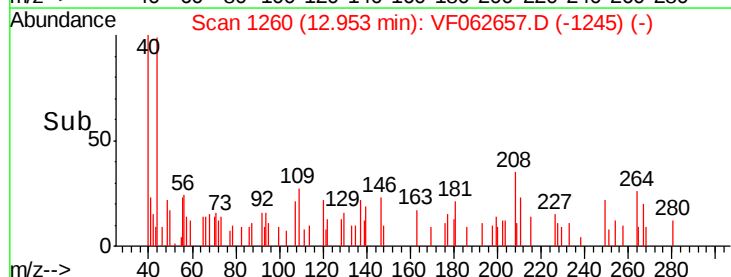
100

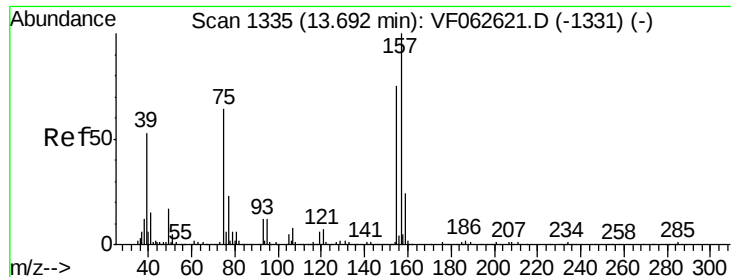
0

12.90

12.95

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 44.297 ug/l

RT: 13.65 min Scan# 1331

Delta R.T. -0.04 min

Lab File: VF062657.D

Acq: 20 May 2019 13:37

Instrument :

MSVOA_F

ClientSampleId :

OR-02-051619-A

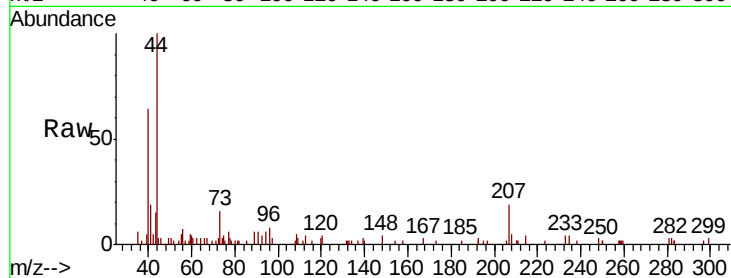
Tot Ion: 75 Resp: 919

Ion Ratio Lower Upper

75 100

155 0.0 58.1 174.3#

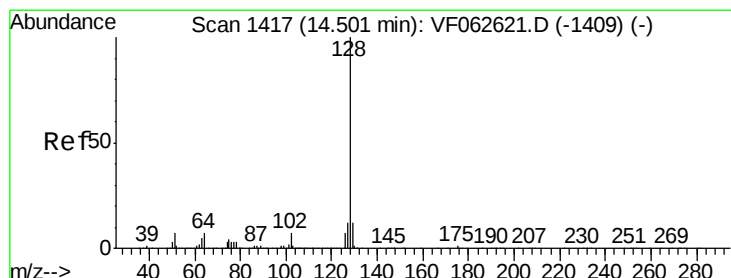
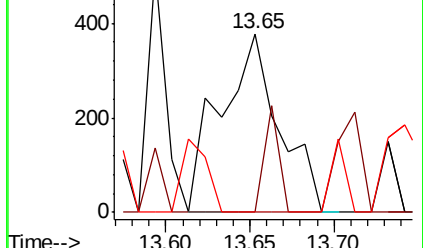
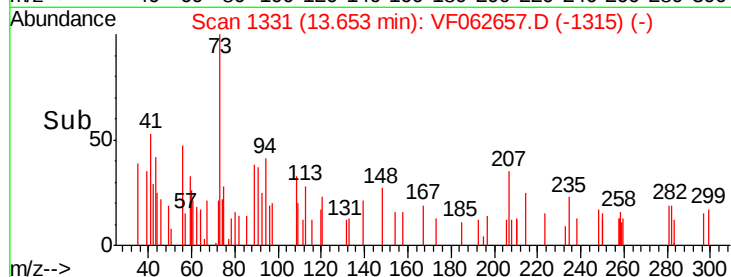
157 37.3 77.8 233.4#



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: 1.156 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VF062657.D

Acq: 20 May 2019 13:37

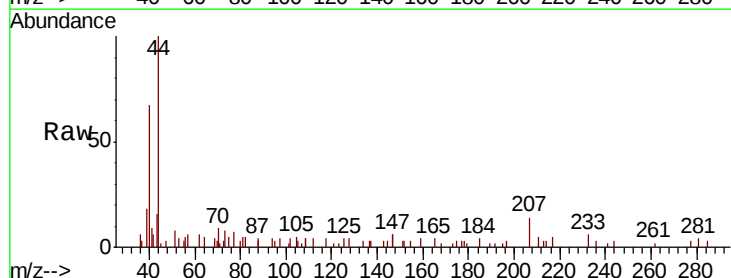
Tgt Ion: 128 Resp: 513

Ion Ratio Lower Upper

128 100

127 0.0 9.7 14.5#

129 0.0 9.3 13.9#



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

