

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042919\
 Data File : VF062328.D
 Acq On : 29 Apr 2019 22:23
 Operator : FY/SY
 Sample : K2194-15RE
 Misc : 5.83g/5mL/MSVOA F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Apr 30 03:52:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 08:40:59 2019
 Response via : Initial Calibration

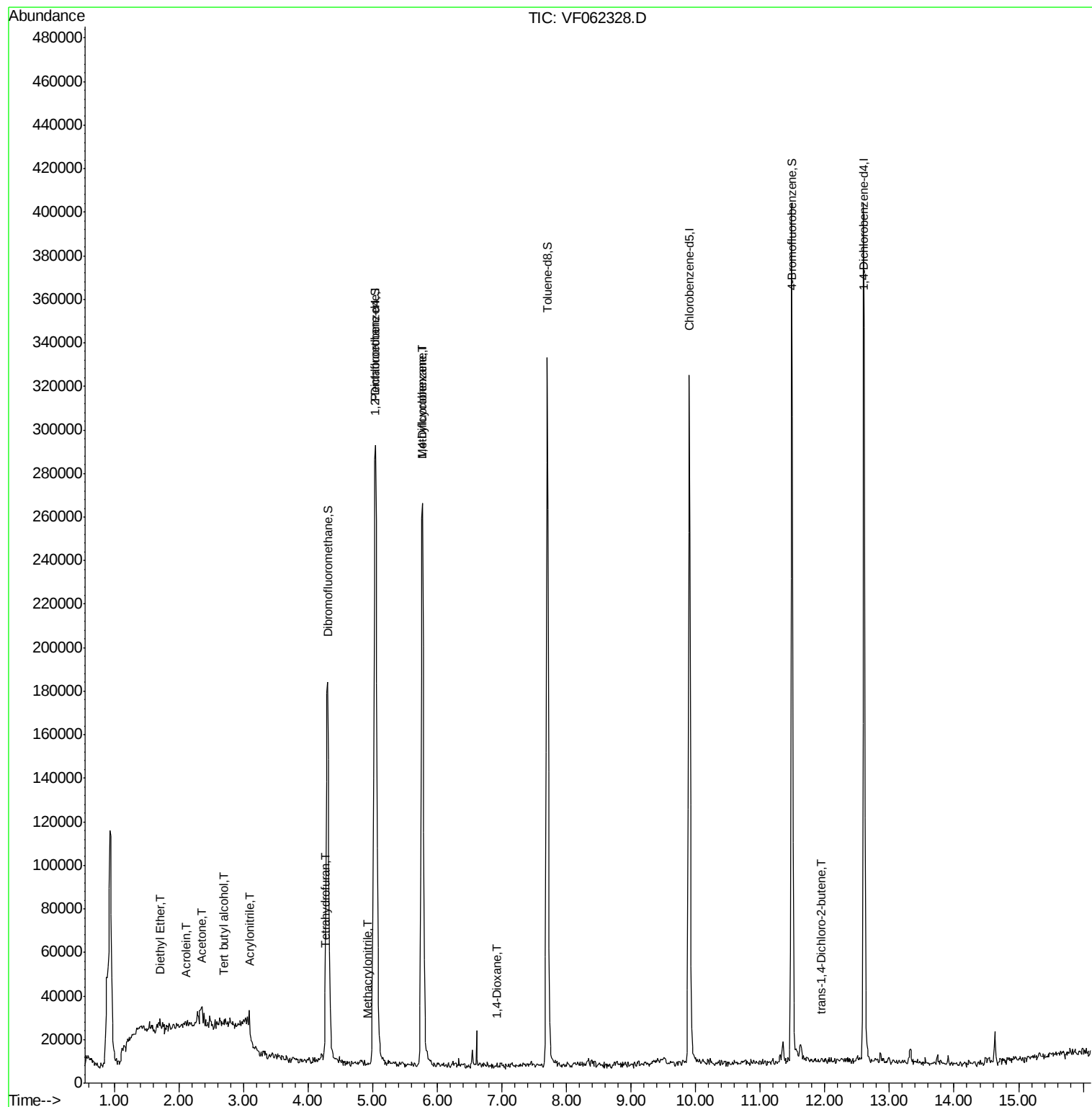
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	225272	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	303660	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	225983	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.60	152	110439	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	136696	74.91	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	149.82%	
35) Dibromofluoromethane	4.30	113	161738	71.84	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	143.68%	
50) Toluene-d8	7.70	98	277064	50.38	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	100.76%	
62) 4-Bromofluorobenzene	11.49	95	128177	56.55	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	113.10%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.71	74	936	1.522	ug/l	51
11) Tert butyl alcohol	2.69	59	1396	12.647	ug/l #	1
13) Acrolein	2.09	56	309	11.137	ug/l #	10
15) Acrylonitrile	3.09	53	407	1.331	ug/l #	13
16) Acetone	2.34	43	8133	19.907	ug/l #	79
18) Methyl Acetate	2.48	43	900	Below Cal	#	1
20) Methylene Chloride	2.32	84	2121	Below Cal	#	66
29) Tetrahydrofuran	4.25	42	684	2.403	ug/l #	37
39) Methylcyclohexane	5.77	83	3961	1.211	ug/l #	43
41) Methacrylonitrile	4.93	41	730	1.115	ug/l #	23
49) 1,4-Dioxane	6.92	88	64	6.437	ug/l #	1
59) 2-Hexanone	9.62	43	1280	Below Cal		95
81) trans-1,4-Dichloro-2-buten	11.94	75	692	1.815	ug/l #	29

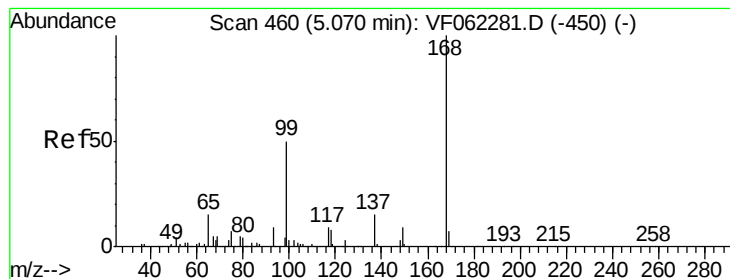
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF042919\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 25 08:40:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.02 min

Lab File: VF062328.D

Acq: 29 Apr 2019 22:23

Instrument :

MSVOA_F

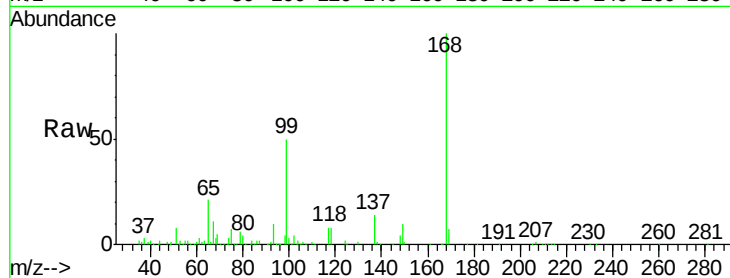
ClientSampleId :

Tot Ion:168 Resp: 225272

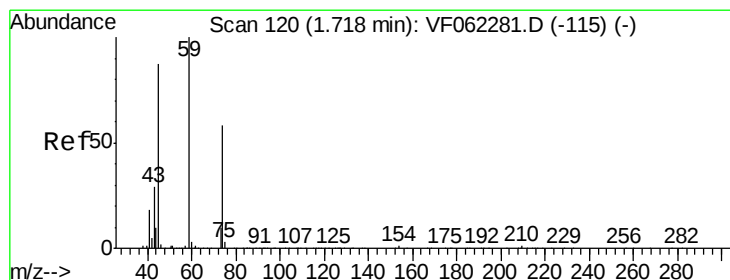
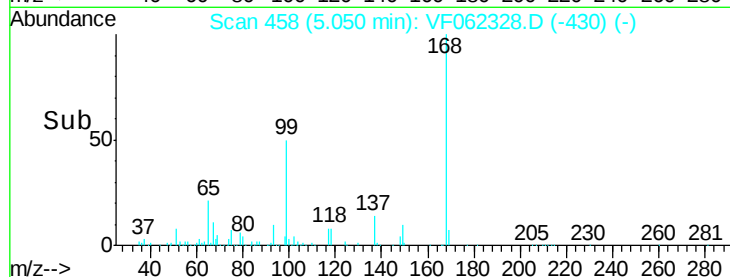
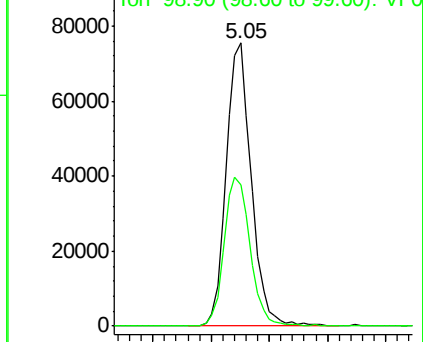
Ion Ratio Lower Upper

168 100

99 50.0 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VF0



#8

Diethyl Ether

Concen: 1.522 ug/l

RT: 1.71 min Scan# 119

Delta R.T. -0.01 min

Lab File: VF062328.D

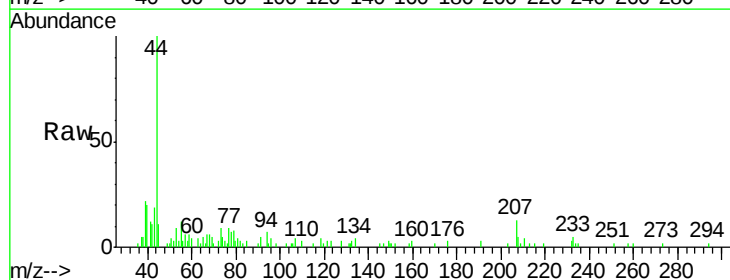
Acq: 29 Apr 2019 22:23

Tgt Ion: 74 Resp: 936

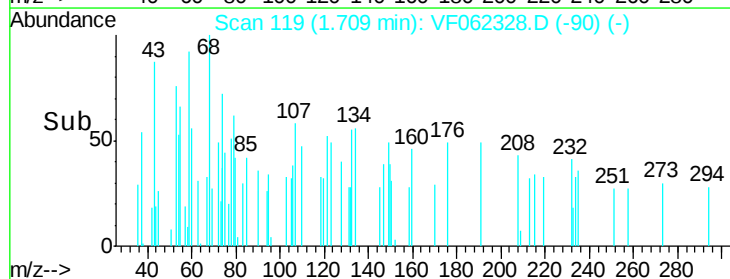
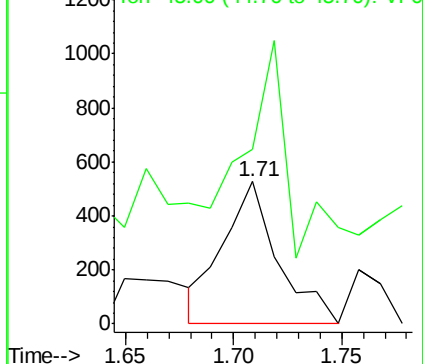
Ion Ratio Lower Upper

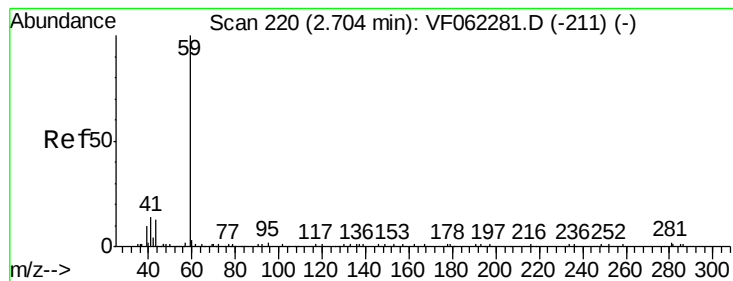
74 100

45 86.0 74.0 222.0



Abundance Ion 74.00 (73.70 to 74.70): VF0



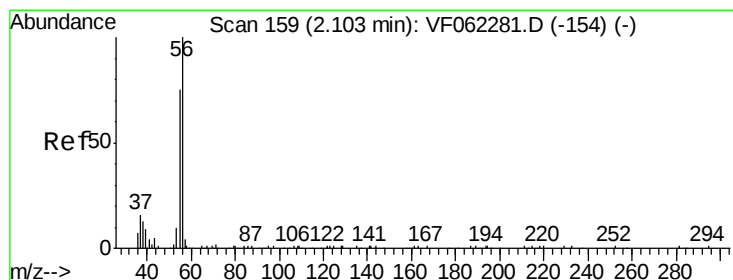
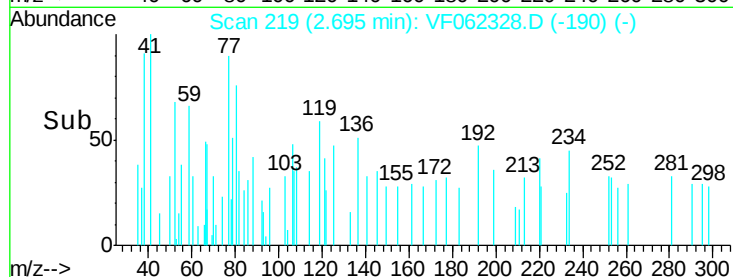
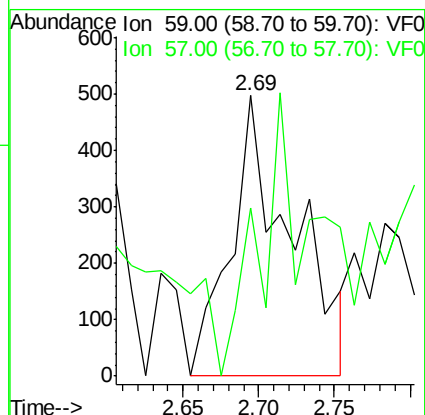
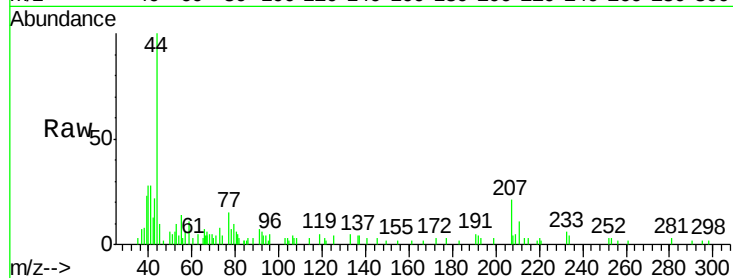


#11

Tert butyl alcohol
 Concen: 12.647 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VF062328.D
 Acq: 29 Apr 2019 22:23

Instrument :
 MSVOA_F
 ClientSampled :

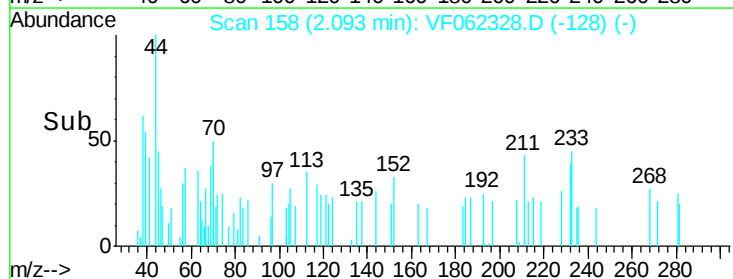
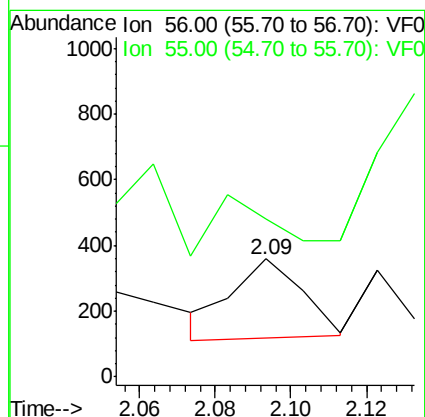
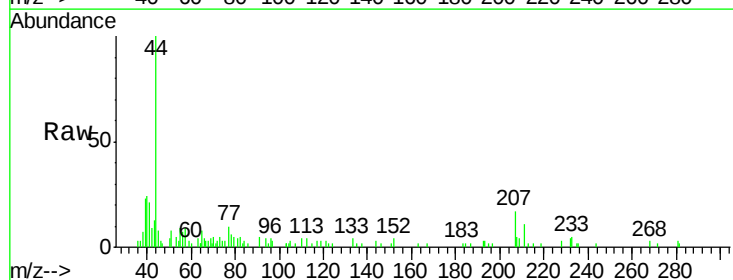
Tot Ion: 59 Resp: 1396
 Ion Ratio Lower Upper
 59 100
 57 62.8 8.8 13.2#

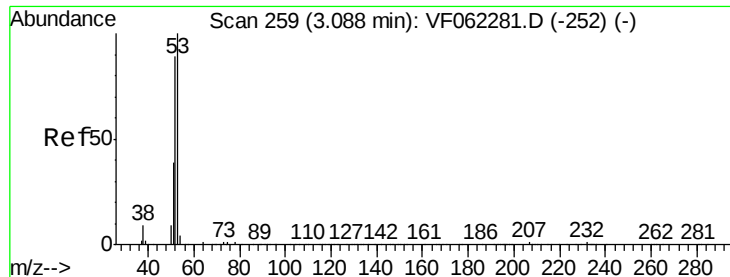


#13

Acrolein
 Concen: 11.137 ug/l
 RT: 2.09 min Scan# 158
 Delta R.T. -0.01 min
 Lab File: VF062328.D
 Acq: 29 Apr 2019 22:23

Tgt Ion: 56 Resp: 309
 Ion Ratio Lower Upper
 56 100
 55 0.0 62.3 93.5#

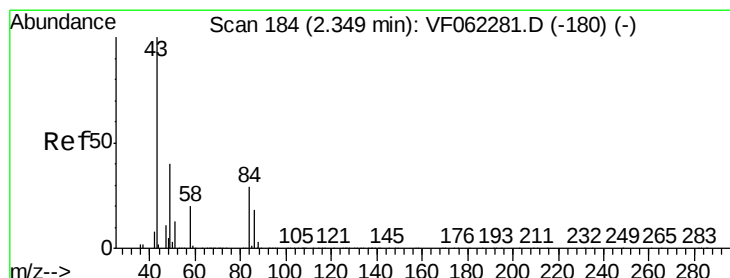
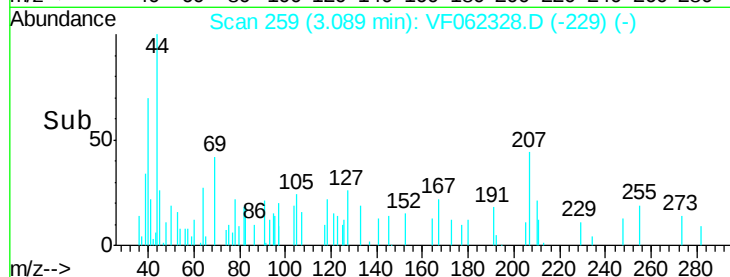
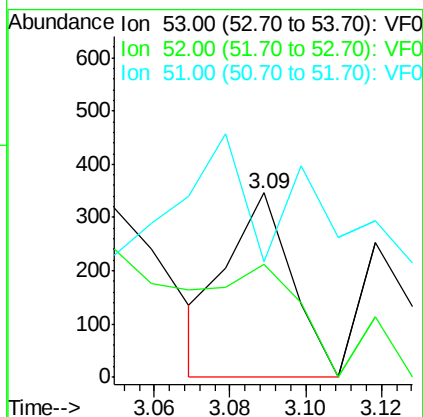
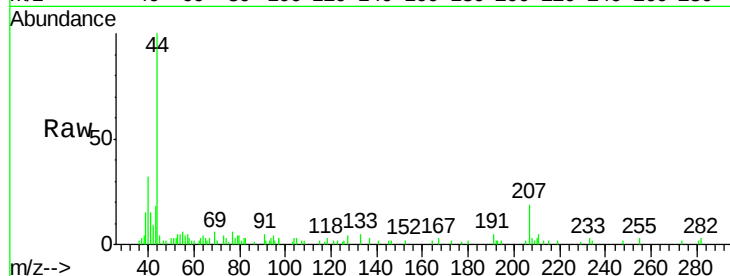




#15
 Acrylonitrile
 Concen: 1.331 ug/l
 RT: 3.09 min Scan# 259
 Delta R.T. 0.00 min
 Lab File: VF062328.D
 Acq: 29 Apr 2019 22:23

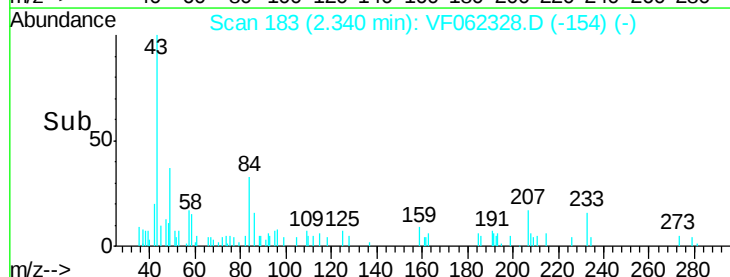
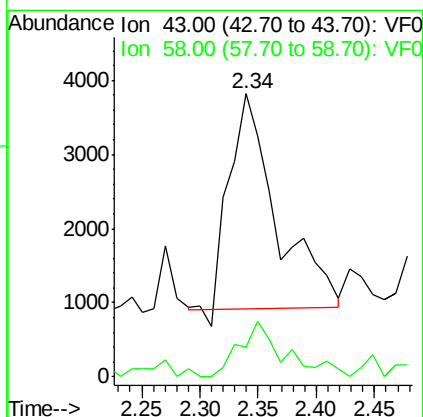
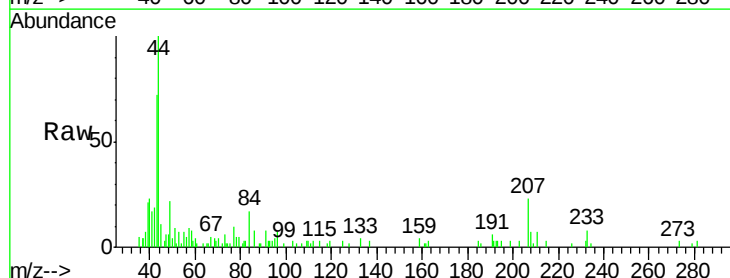
Instrument :
 MSVOA_F
 ClientSampleId :

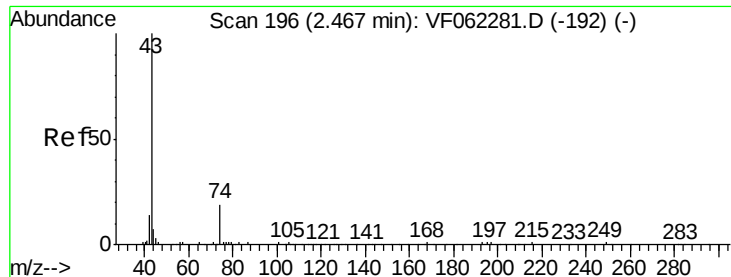
Tot Ion: 53 Resp: 407
 Ion Ratio Lower Upper
 53 100
 52 0.0 70.6 105.8#
 51 85.3 32.6 48.8#



#16
 Acetone
 Concen: 19.907 ug/l
 RT: 2.34 min Scan# 183
 Delta R.T. -0.01 min
 Lab File: VF062328.D
 Acq: 29 Apr 2019 22:23

Tgt Ion: 43 Resp: 8133
 Ion Ratio Lower Upper
 43 100
 58 10.7 16.4 24.6#

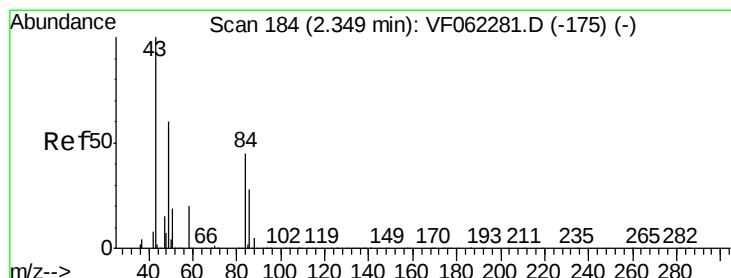
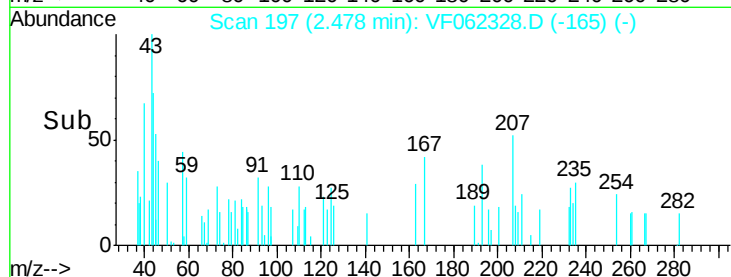
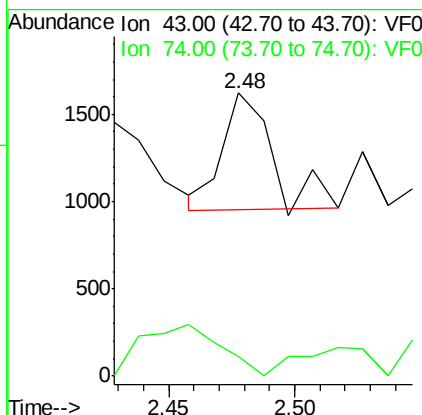
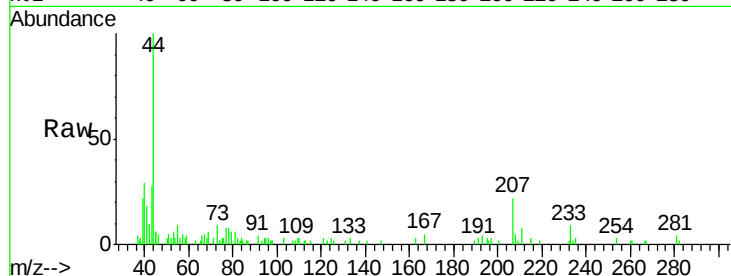




#18
Methyl Acetate
Concen: Below Cal
RT: 2.48 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF062328.D
Acq: 29 Apr 2019 22:23

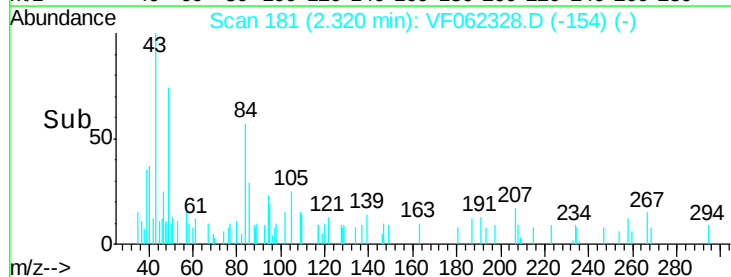
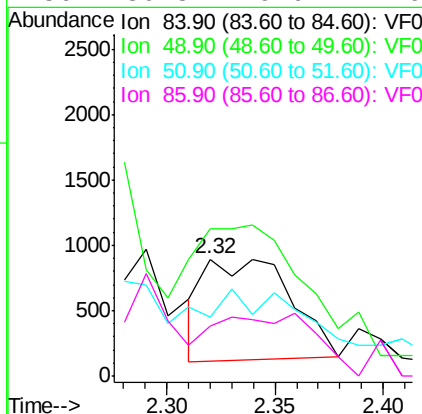
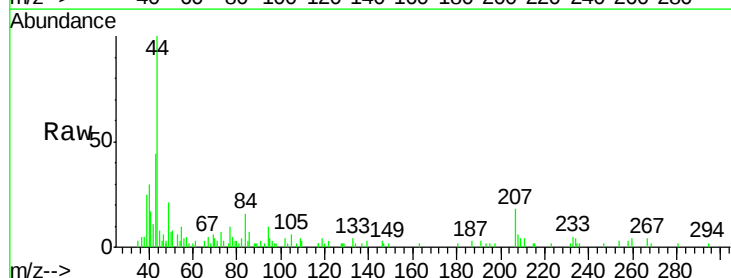
Instrument :
MSVOA_F
ClientSampleId :

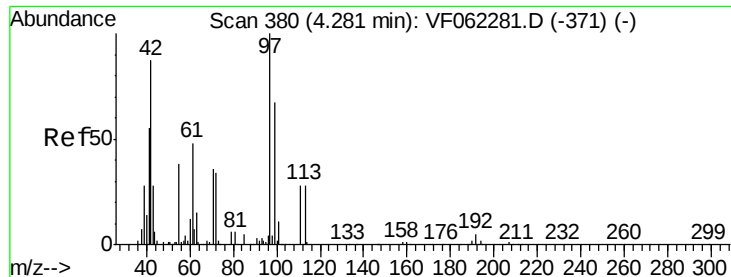
Tot Ion: 43 Resp: 900
Ion Ratio Lower Upper
43 100
74 70.3 14.4 21.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.32 min Scan# 181
Delta R.T. -0.03 min
Lab File: VF062328.D
Acq: 29 Apr 2019 22:23

Tgt Ion: 84 Resp: 2121
Ion Ratio Lower Upper
84 100
49 102.5 112.1 168.1#
51 23.3 35.9 53.9#
86 30.8 49.9 74.9#





#29

Tetrahydrofuran

Concen: 2.403 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.03 min

Lab File: VF062328.D

Acq: 29 Apr 2019 22:23

Instrument :
MSVOA_F
ClientSampled :

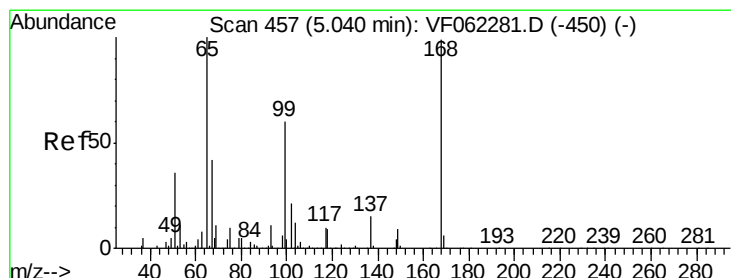
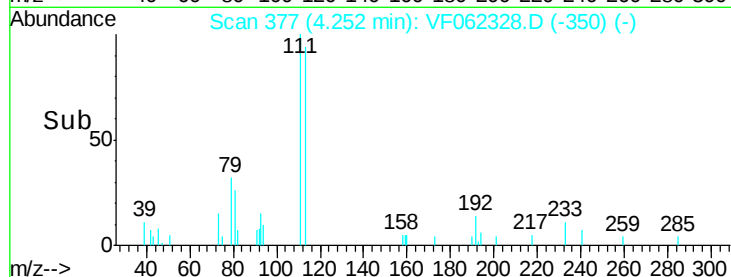
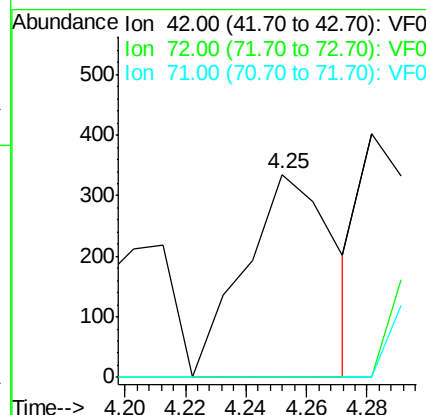
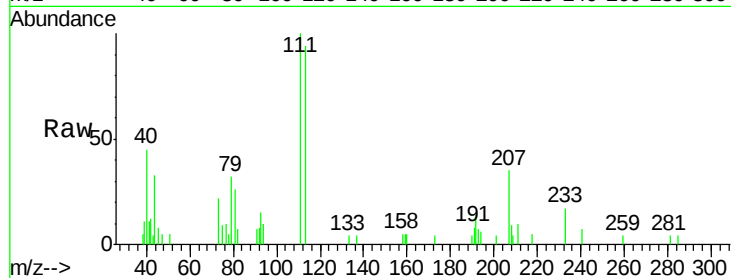
Tot Ion: 42 Resp: 684

Ion Ratio Lower Upper

42 100

72 0.0 29.3 43.9#

71 0.0 31.2 46.8#



#33

1,2-Dichloroethane-d4

Concen: 74.913 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.02 min

Lab File: VF062328.D

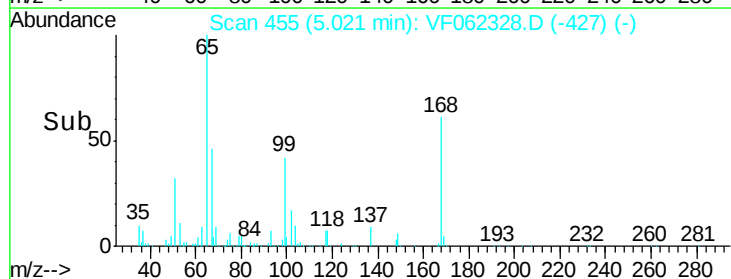
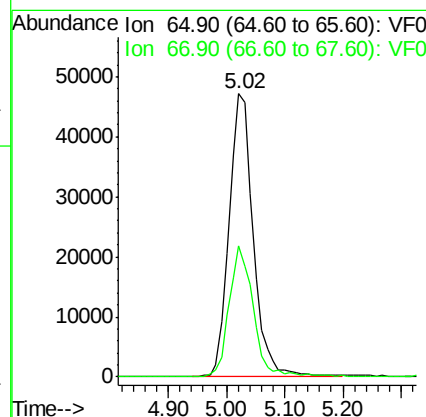
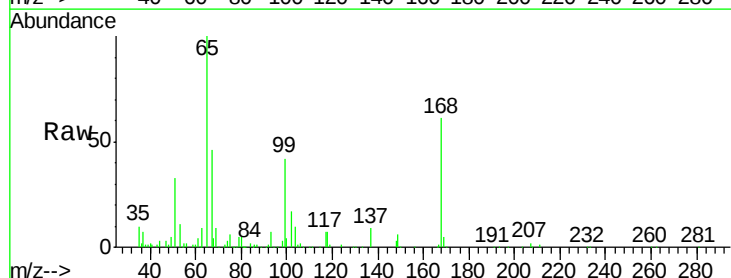
Acq: 29 Apr 2019 22:23

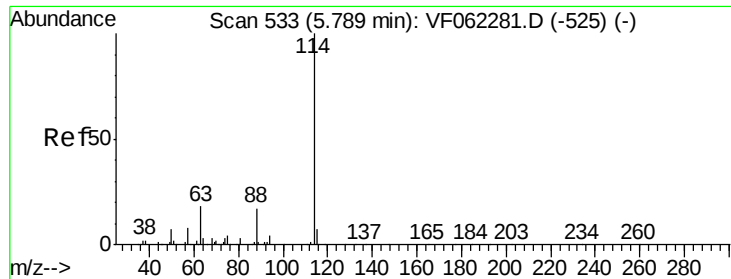
Tgt Ion: 65 Resp: 136696

Ion Ratio Lower Upper

65 100

67 45.4 0.0 98.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.02 min

Lab File: VF062328.D

Acq: 29 Apr 2019 22:23

Instrument :

MSVOA_F

ClientSampleId :

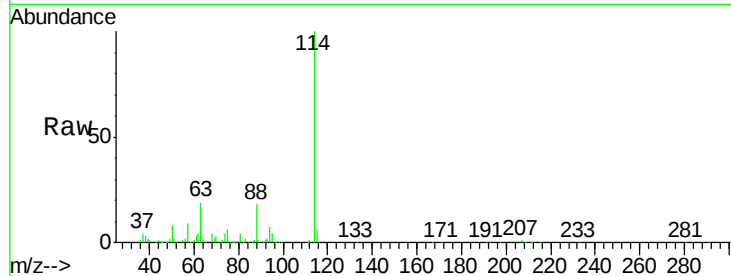
Tot Ion:114 Resp: 303660

Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.6

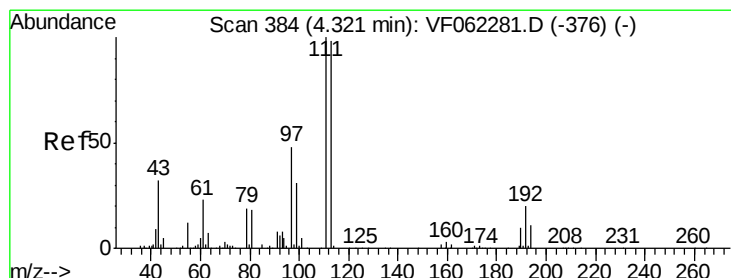
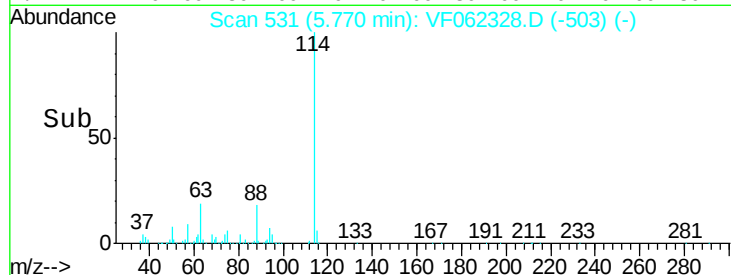
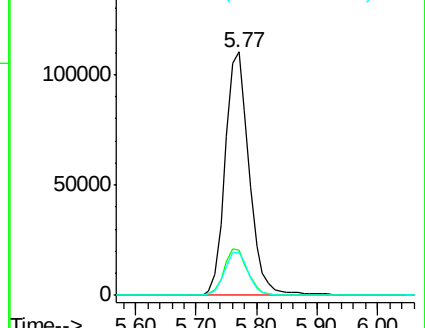
88 17.7 0.0 34.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0



#35

Dibromofluoromethane

Concen: 71.836 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.02 min

Lab File: VF062328.D

Acq: 29 Apr 2019 22:23

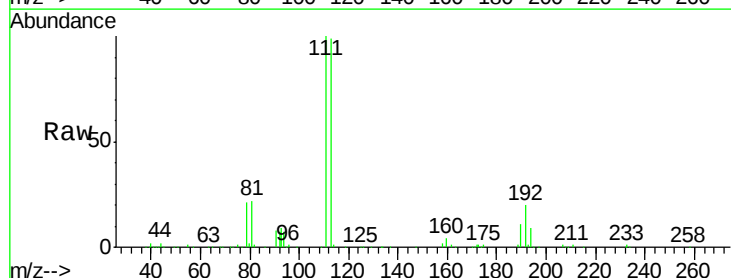
Tgt Ion:113 Resp: 161738

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.2

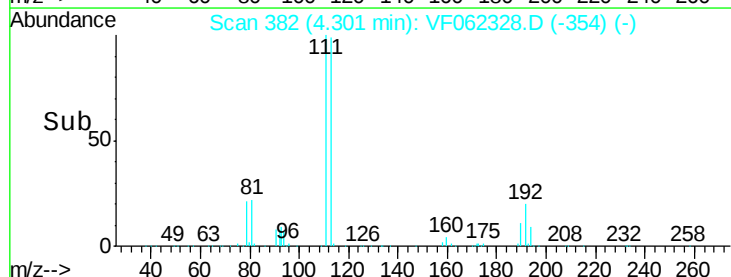
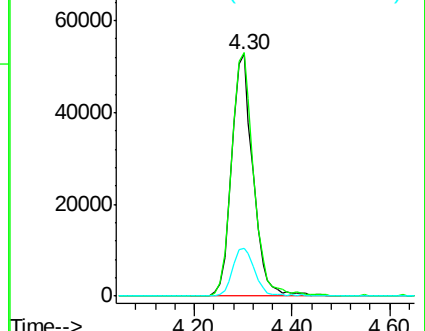
192 20.3 17.0 25.4

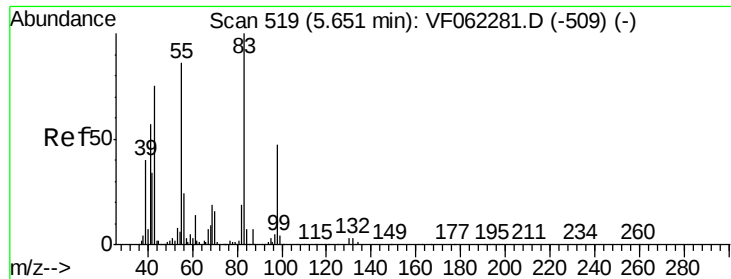


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

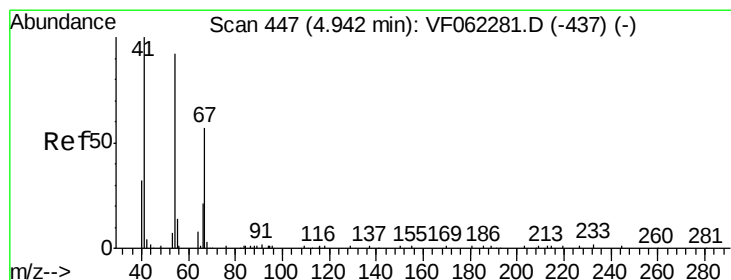
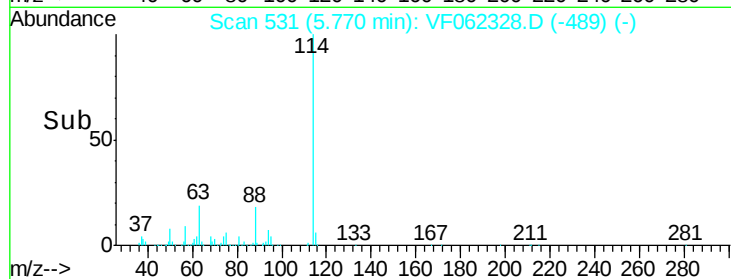
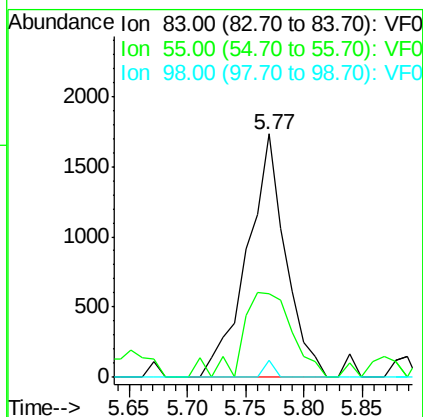
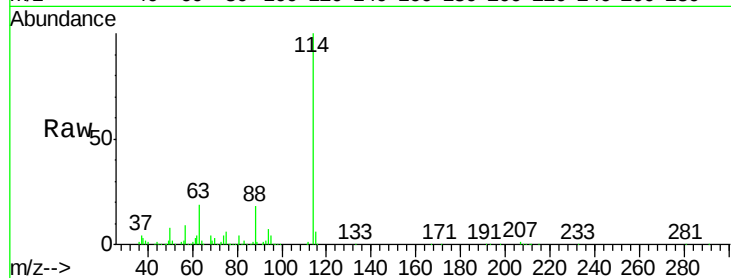




#39
Methylcyclohexane
Concen: 1.211 ug/l
RT: 5.77 min Scan# 531
Delta R.T. 0.12 min
Lab File: VF062328.D
Acq: 29 Apr 2019 22:23

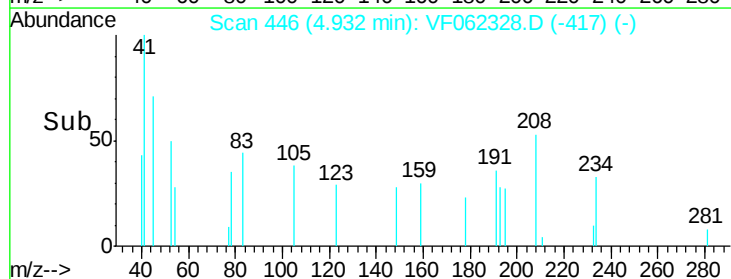
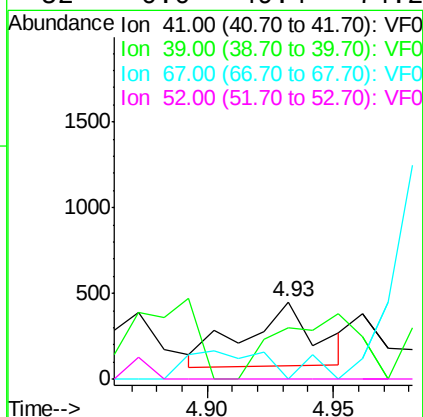
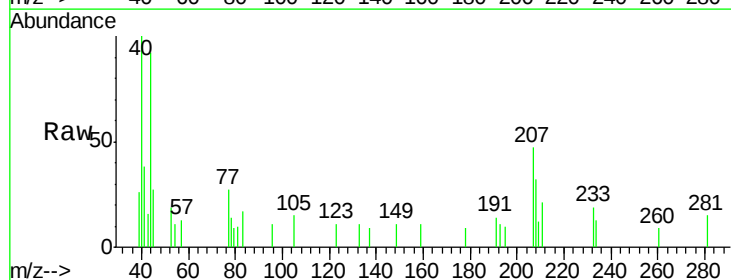
Instrument :
MSVOA_F
ClientSampleId :

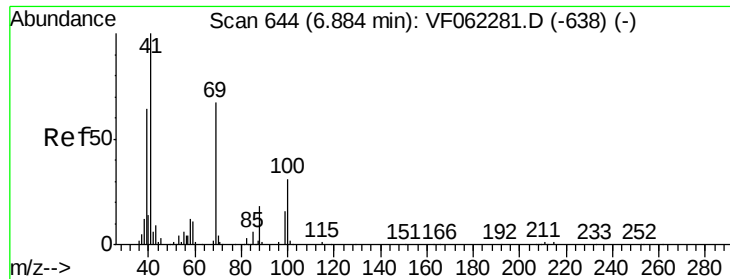
Tot Ion: 83 Resp: 3961
Ion Ratio Lower Upper
83 100
55 34.4 68.7 103.1#
98 7.1 37.4 56.2#



#41
Methacrylonitrile
Concen: 1.115 ug/l
RT: 4.93 min Scan# 446
Delta R.T. -0.01 min
Lab File: VF062328.D
Acq: 29 Apr 2019 22:23

Tgt Ion: 41 Resp: 730
Ion Ratio Lower Upper
41 100
39 117.1 47.3 70.9#
67 0.0 41.3 61.9#
52 0.0 49.4 74.2#

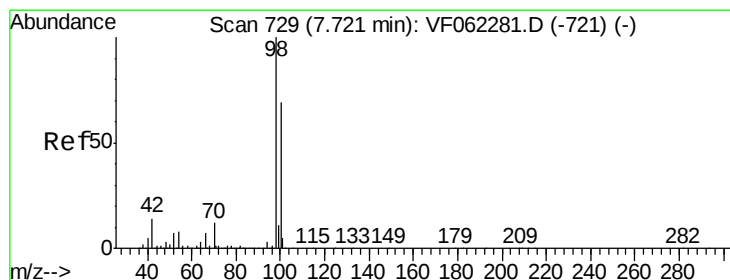
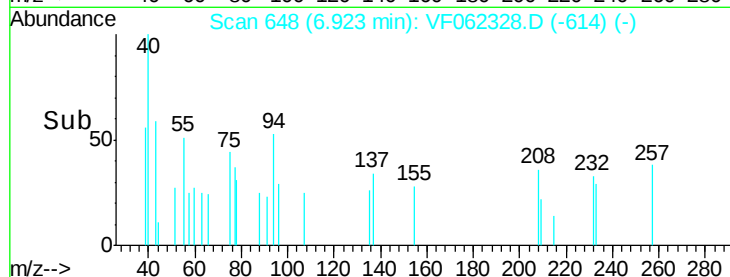
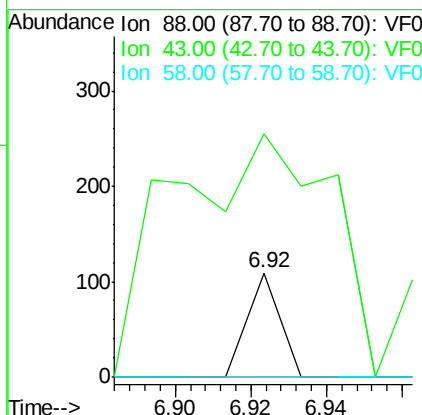
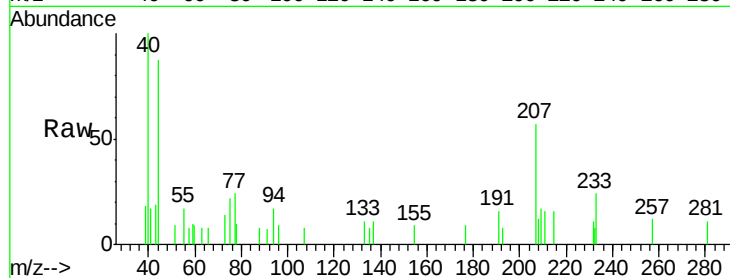




#49
1,4-Dioxane
Concen: 6.437 ug/l
RT: 6.92 min Scan# 648
Delta R.T. 0.04 min
Lab File: VF062328.D
Acq: 29 Apr 2019 22:23

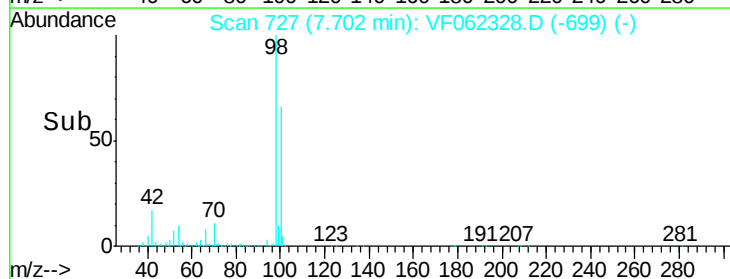
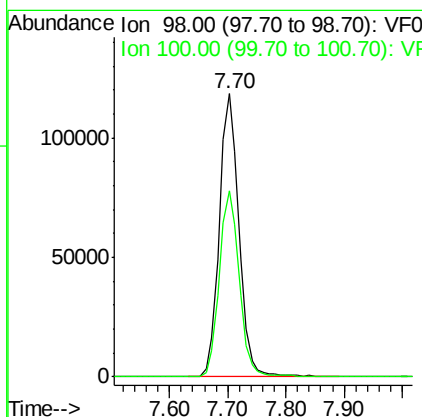
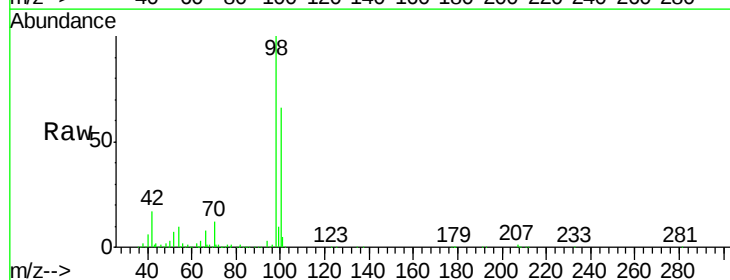
Instrument :
MSVOA_F
ClientSampleId :

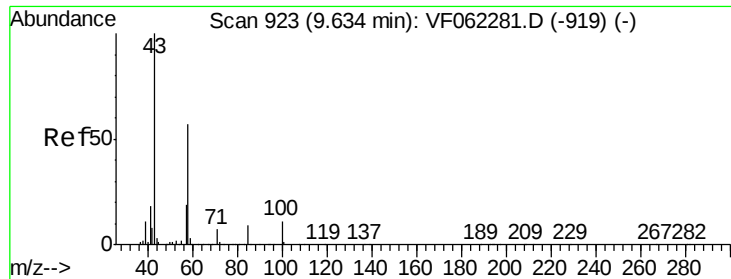
Tot Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 1154.7 34.2 51.4#
58 0.0 50.7 76.1#



#50
Toluene-d8
Concen: 50.380 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.02 min
Lab File: VF062328.D
Acq: 29 Apr 2019 22:23

Tgt Ion: 98 Resp: 277064
Ion Ratio Lower Upper
98 100
100 66.9 54.4 81.6

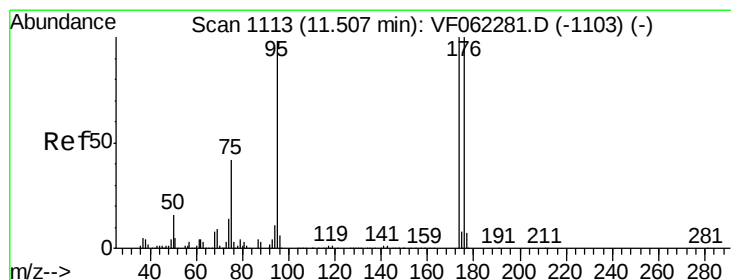
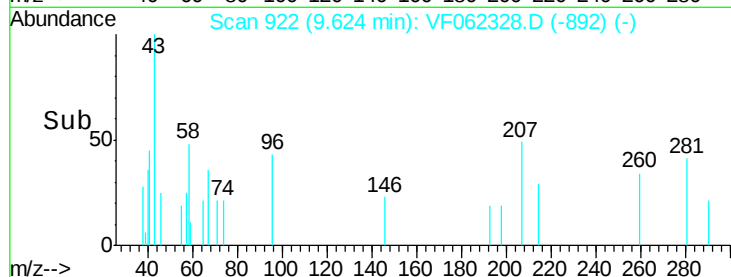
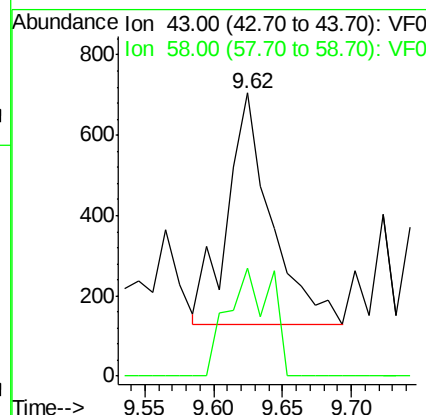
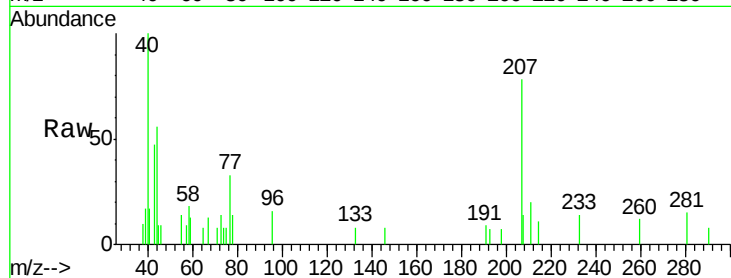




#59
2-Hexanone
Concen: Below Cal
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF062328.D
Acq: 29 Apr 2019 22:23

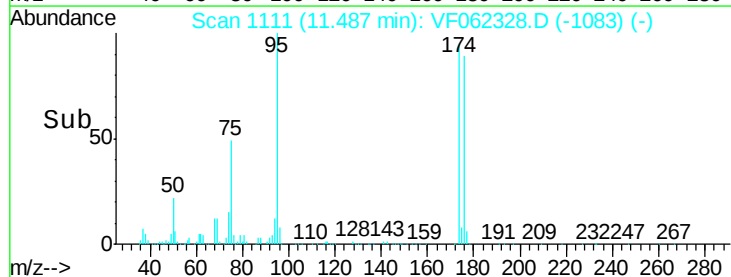
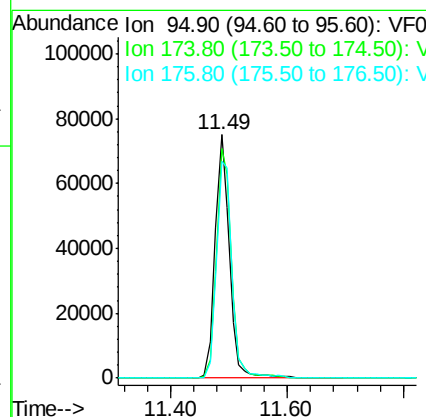
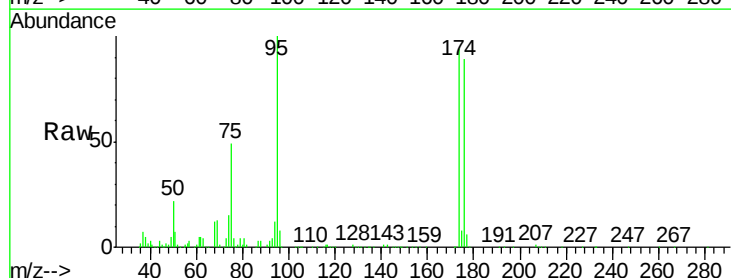
Instrument :
MSVOA_F
ClientSampleId :

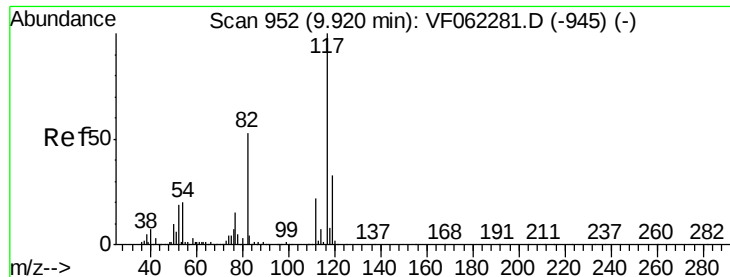
Tot Ion: 43 Resp: 1280
Ion Ratio Lower Upper
43 100
58 46.3 24.9 74.7



#62
4-Bromofluorobenzene
Concen: 56.545 ug/l
RT: 11.49 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VF062328.D
Acq: 29 Apr 2019 22:23

Tgt Ion: 95 Resp: 128177
Ion Ratio Lower Upper
95 100
174 98.3 0.0 185.2
176 95.6 0.0 184.8

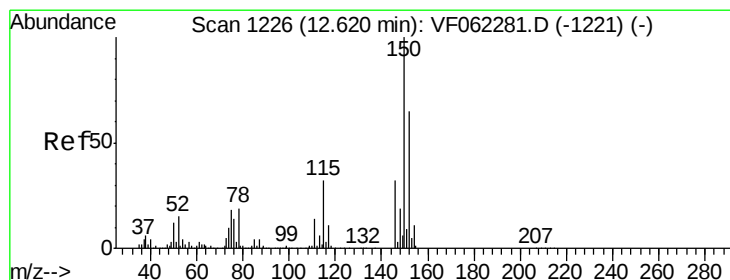
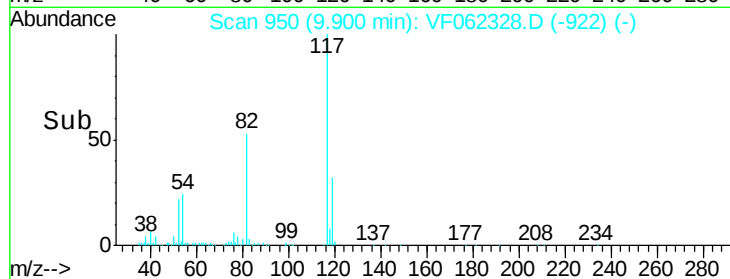
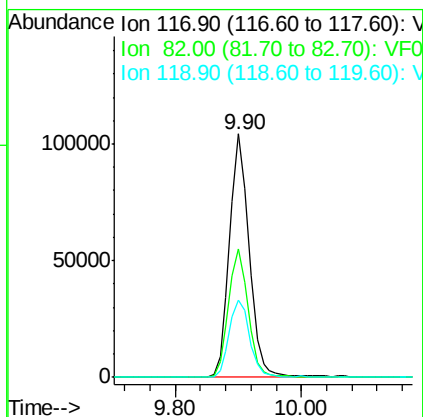
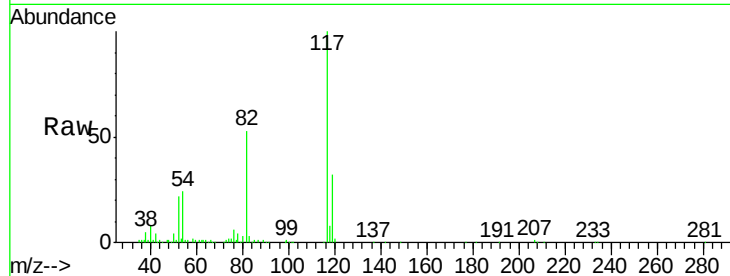




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.02 min
Lab File: VF062328.D
Acq: 29 Apr 2019 22:23

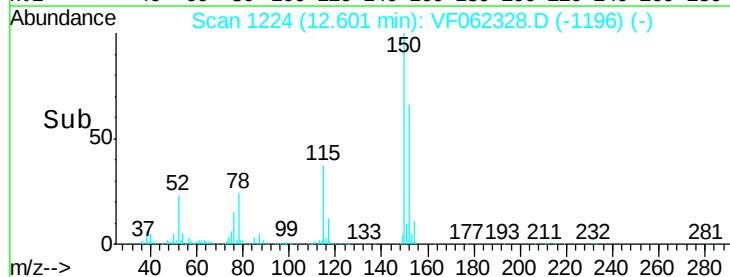
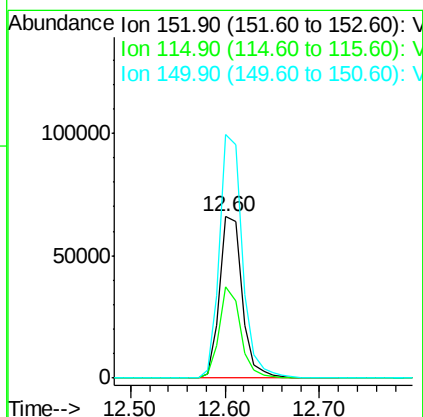
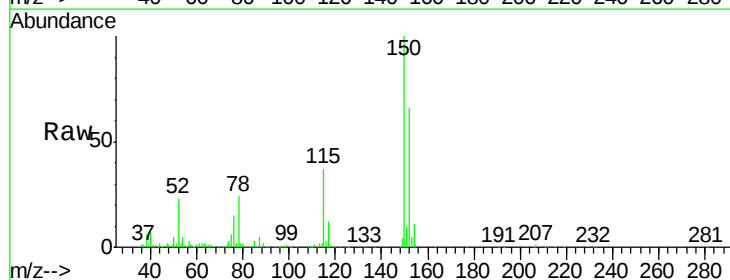
Instrument :
MSVOA_F
ClientSampleId :

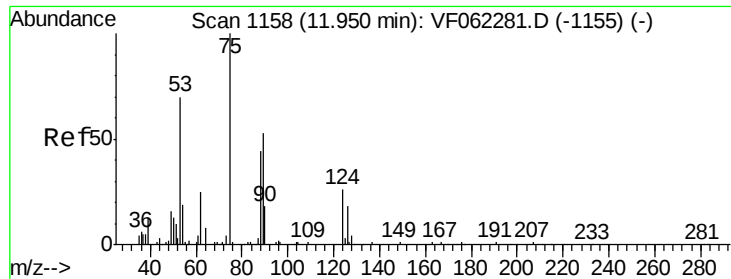
Tot Ion:117 Resp: 225983
Ion Ratio Lower Upper
117 100
82 52.6 42.6 64.0
119 31.7 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.60 min Scan# 1224
Delta R.T. -0.02 min
Lab File: VF062328.D
Acq: 29 Apr 2019 22:23

Tgt Ion:152 Resp: 110439
Ion Ratio Lower Upper
152 100
115 53.6 25.6 76.8
150 151.9 0.0 330.6





#81

trans-1,4-Dichloro-2-butene

Concen: 1.815 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF062328.D

Acq: 29 Apr 2019 22:23

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 75 Resp: 692

Ion Ratio Lower Upper

75 100

53 19.4 67.1 100.7#

89 11.1 0.0 0.0#

