

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051219\
 Data File : VF062531.D
 Acq On : 13 May 2019 5:44
 Operator : FY/SY
 Sample : K2734-12RE
 Misc : 5.49g/5mL/MSVOA F/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P026-SS013-0206-01RE

Quant Time: May 13 07:33:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

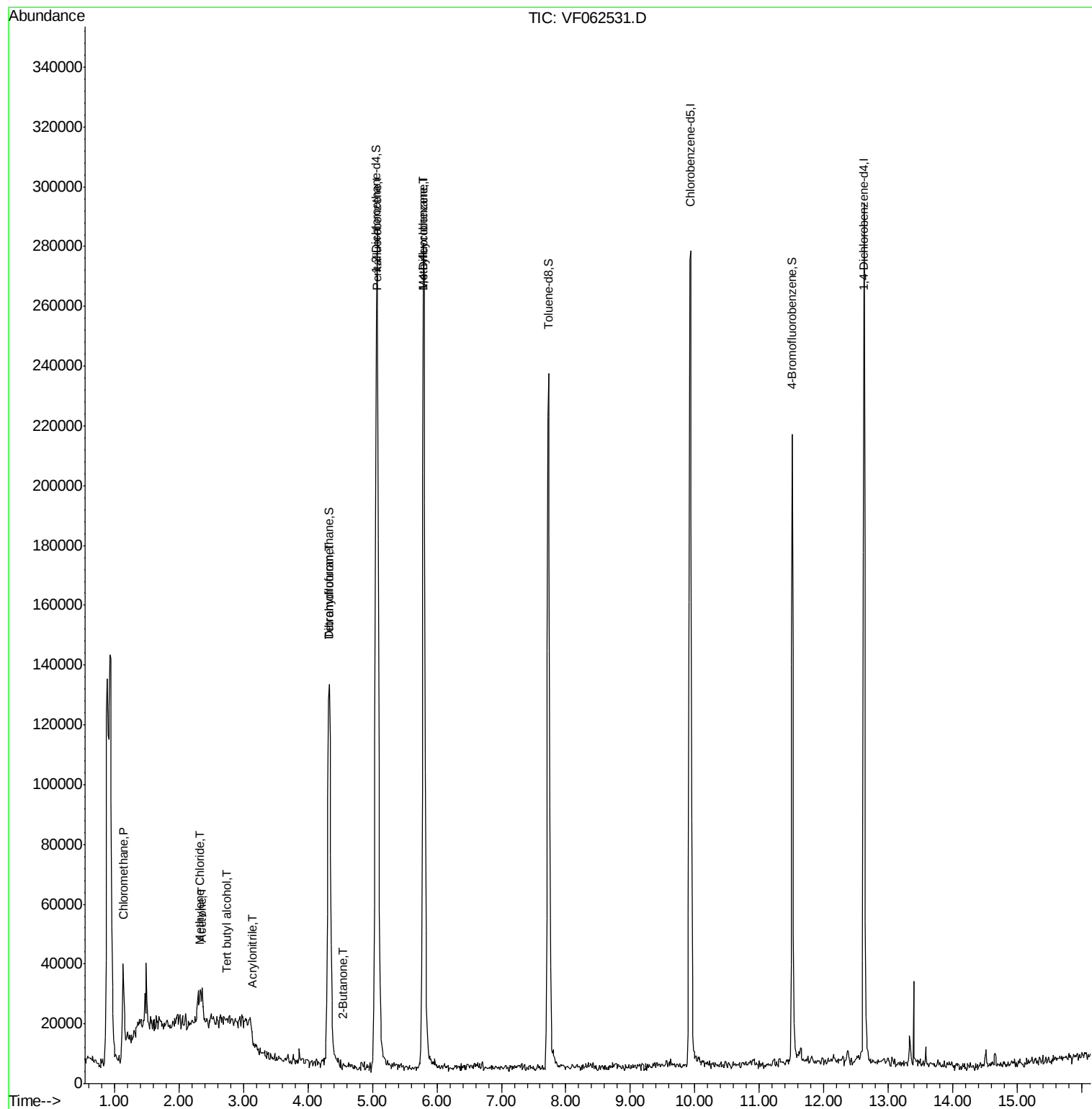
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	242969	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.79	114	310240	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.93	117	210841	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	76873	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	96858	42.18	ug/l	0.03
Spiked Amount 50.000			Recovery	=	84.36%	
35) Dibromofluoromethane	4.32	113	119891	48.51	ug/l	0.02
Spiked Amount 50.000			Recovery	=	97.02%	
50) Toluene-d8	7.73	98	208565	34.86	ug/l	0.03
Spiked Amount 50.000			Recovery	=	69.72%	
62) 4-Bromofluorobenzene	11.51	95	67090	24.85	ug/l	0.02
Spiked Amount 50.000			Recovery	=	49.70%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.14	50	1964	1.059	ug/l	97
5) Bromomethane	1.39	94	231	Below Cal	#	31
11) Tert butyl alcohol	2.73	59	357	2.751	ug/l #	1
13) Acrolein	2.15	56	350	Below Cal	#	1
15) Acrylonitrile	3.14	53	262	1.066	ug/l #	10
16) Acetone	2.36	43	8695	18.719	ug/l #	82
18) Methyl Acetate	2.47	43	872	Below Cal	#	58
20) Methylene Chloride	2.34	84	3245	1.931	ug/l #	75
25) 2-Butanone	4.56	43	663	1.136	ug/l #	60
29) Tetrahydrofuran	4.32	42	787	2.934	ug/l #	43
37) Ethyl Acetate	4.29	43	585	Below Cal	#	73
38) Carbon Tetrachloride	4.21	117	67	Below Cal	#	14
39) Methylcyclohexane	5.79	83	5515	2.063	ug/l #	34
49) 1,4-Dioxane	6.89	88	61	Below Cal	#	1

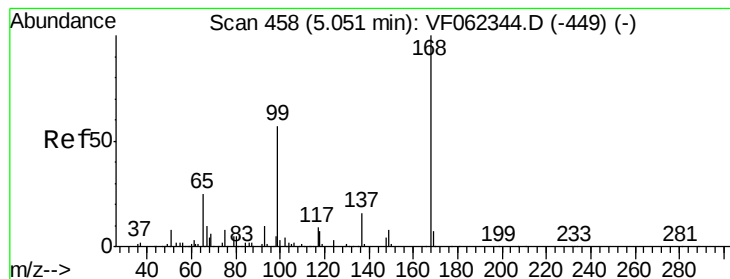
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.03 min

Lab File: VF062531.D

Acq: 13 May 2019 5:44

Instrument :

MSVOA_F

ClientSampleId :

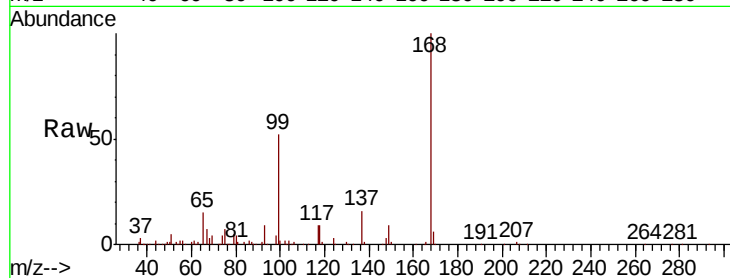
P026-SS013-0206-01RE

Tot Ion:168 Resp: 242969

Ion Ratio Lower Upper

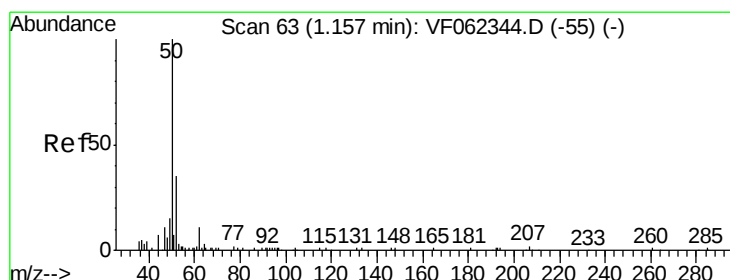
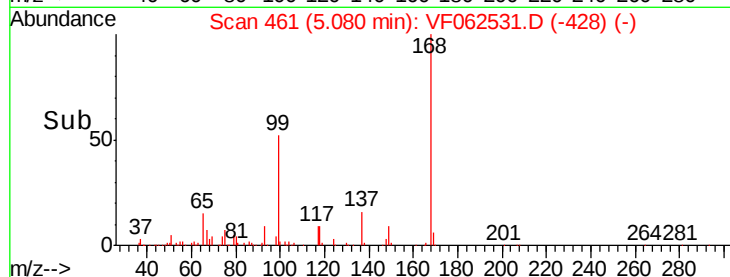
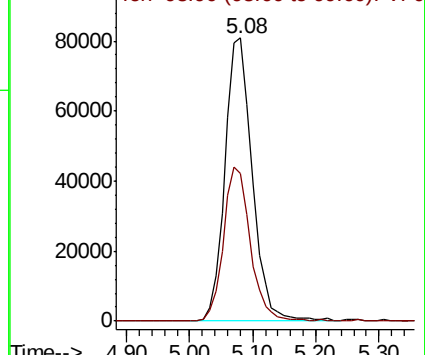
168 100

99 52.4 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0



#3

Chloromethane

Concen: 1.059 ug/l

RT: 1.14 min Scan# 61

Delta R.T. -0.02 min

Lab File: VF062531.D

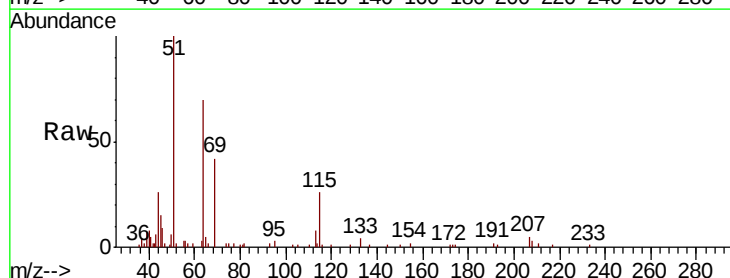
Acq: 13 May 2019 5:44

Tgt Ion: 50 Resp: 1964

Ion Ratio Lower Upper

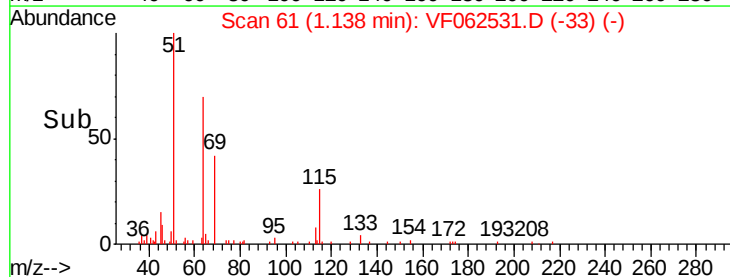
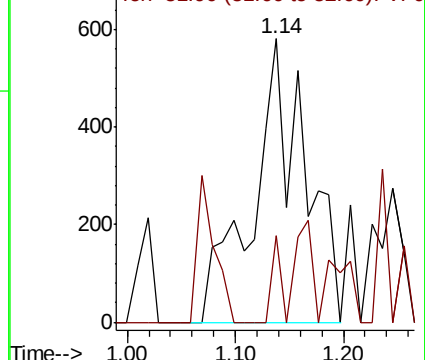
50 100

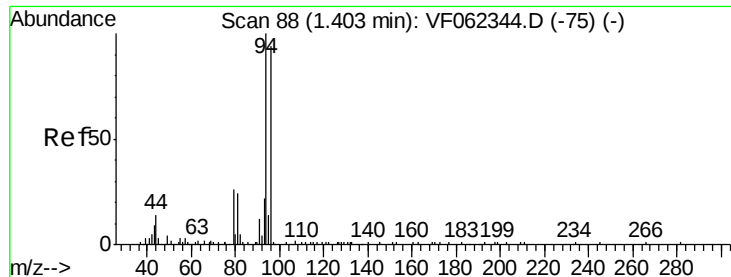
52 30.6 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VF0

Ion 51.90 (51.60 to 52.60): VF0





#5

Bromomethane

Concen: Below Cal

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062531.D

Acq: 13 May 2019 5:44

Instrument :

MSVOA_F

ClientSampleId :

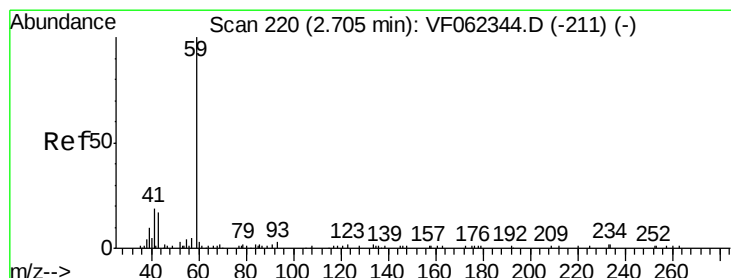
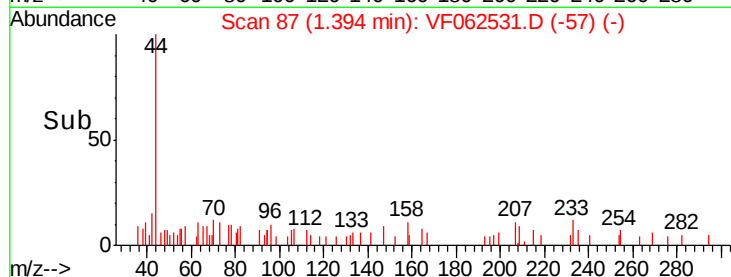
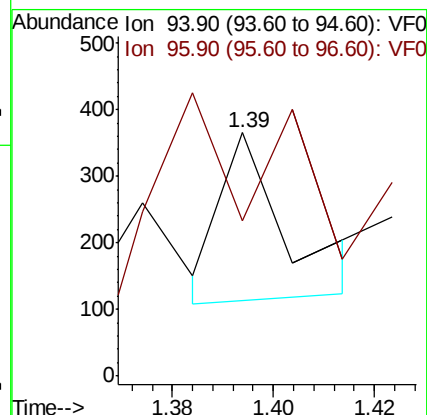
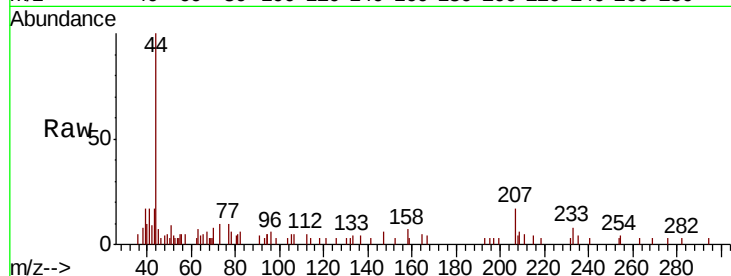
P026-SS013-0206-01RE

Tot Ion: 94 Resp: 231

Ion Ratio Lower Upper

94 100

96 27.6 75.4 113.2#



#11

Tert butyl alcohol

Concen: 2.751 ug/l

RT: 2.73 min Scan# 223

Delta R.T. 0.03 min

Lab File: VF062531.D

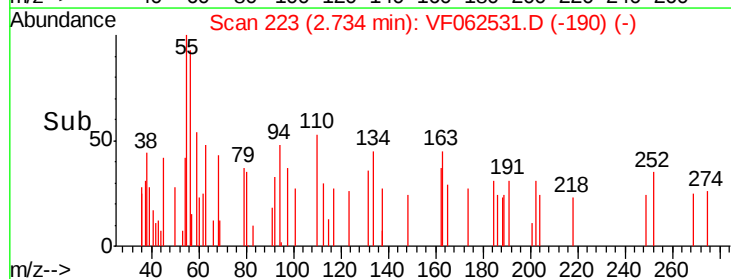
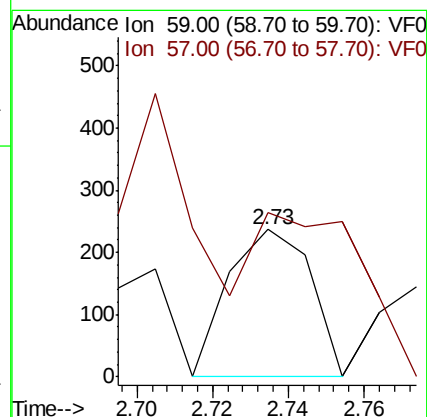
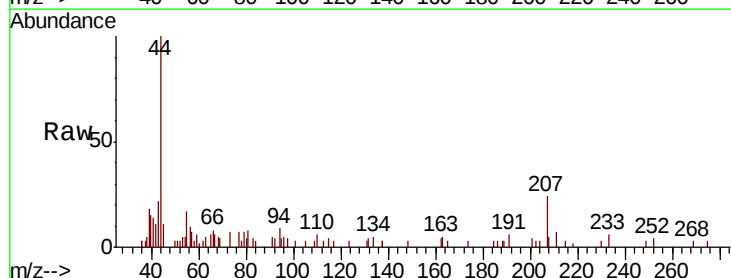
Acq: 13 May 2019 5:44

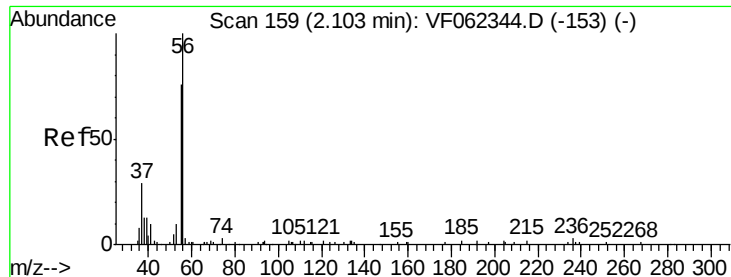
Tgt Ion: 59 Resp: 357

Ion Ratio Lower Upper

59 100

57 146.2 9.3 13.9#

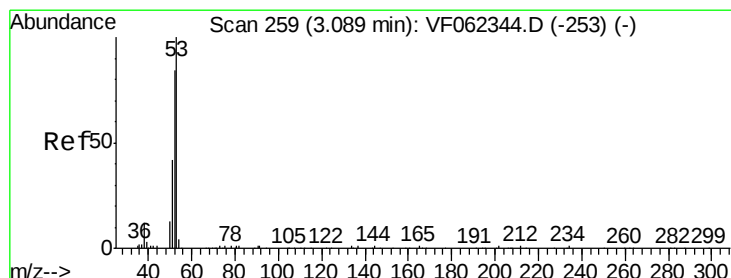
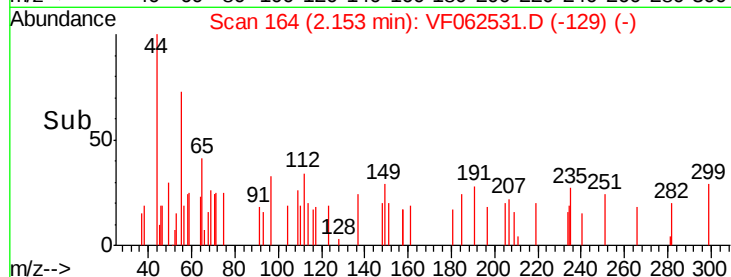
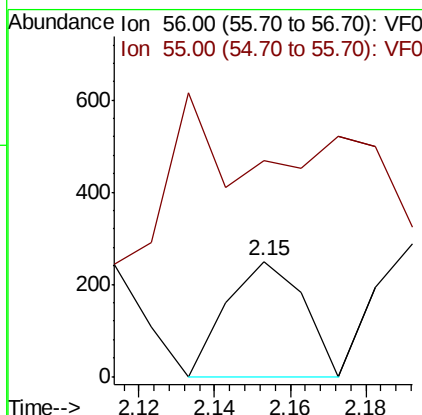
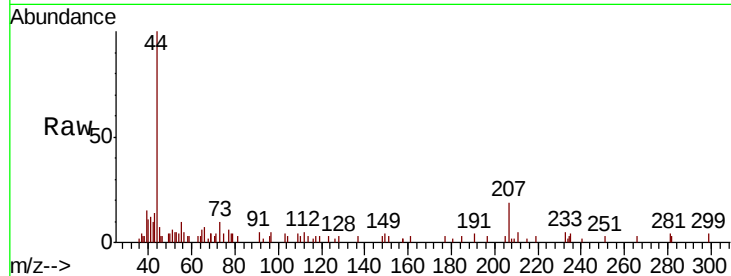




#13
 Acrolein
 Concen: Below Cal
 RT: 2.15 min Scan# 164
 Delta R.T. 0.05 min
 Lab File: VF062531.D
 Acq: 13 May 2019 5:44

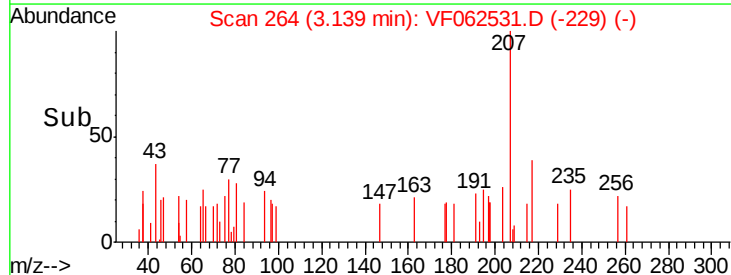
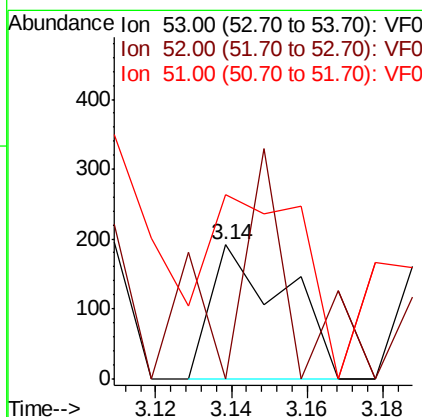
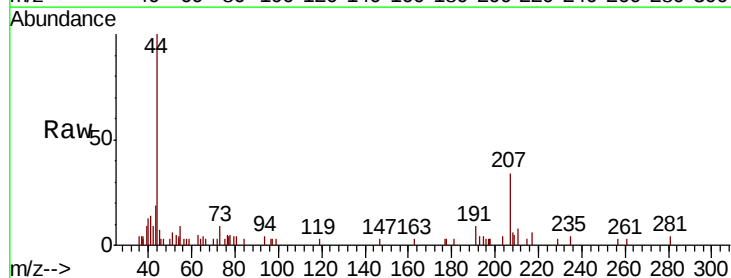
Instrument :
 MSVOA_F
 ClientSampleId :
 P026-SS013-0206-01RE

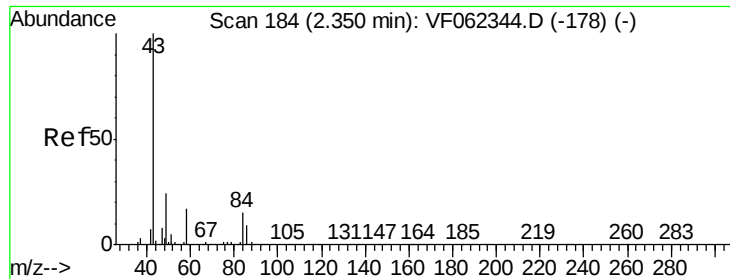
Tot Ion: 56 Resp: 350
 Ion Ratio Lower Upper
 56 100
 55 228.3 58.4 87.6#



#15
 Acrylonitrile
 Concen: 1.066 ug/l
 RT: 3.14 min Scan# 264
 Delta R.T. 0.05 min
 Lab File: VF062531.D
 Acq: 13 May 2019 5:44

Tgt Ion: 53 Resp: 262
 Ion Ratio Lower Upper
 53 100
 52 143.5 77.2 115.8#
 51 168.3 40.6 61.0#

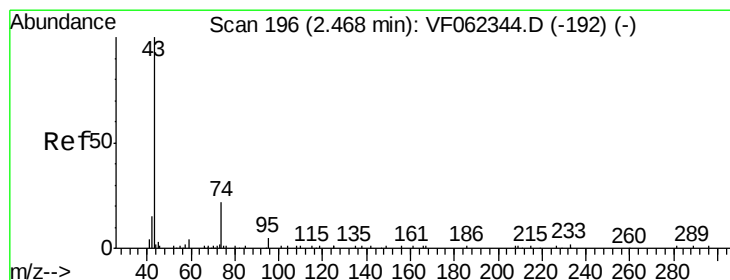
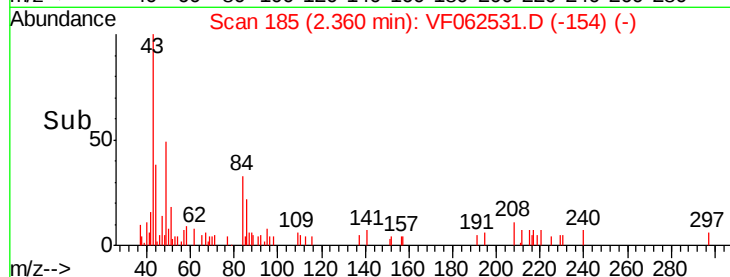
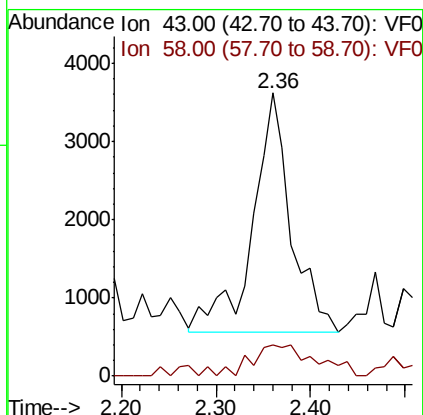
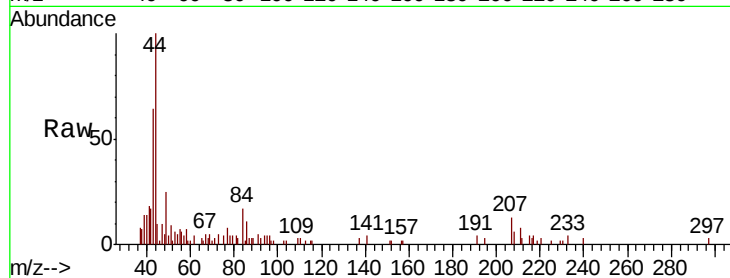




#16
Acetone
Concen: 18.719 ug/l
RT: 2.36 min Scan# 185
Delta R.T. 0.01 min
Lab File: VF062531.D
Acq: 13 May 2019 5:44

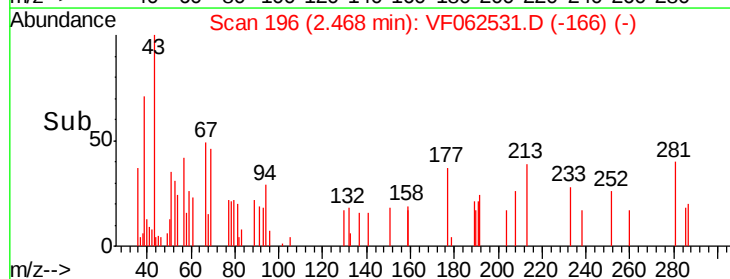
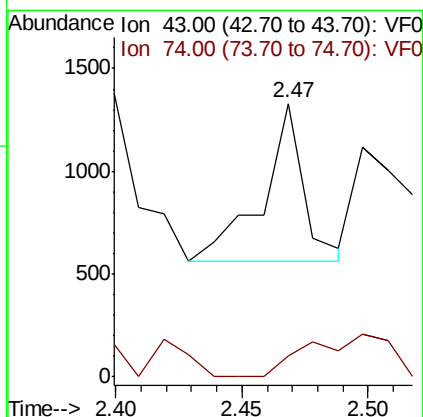
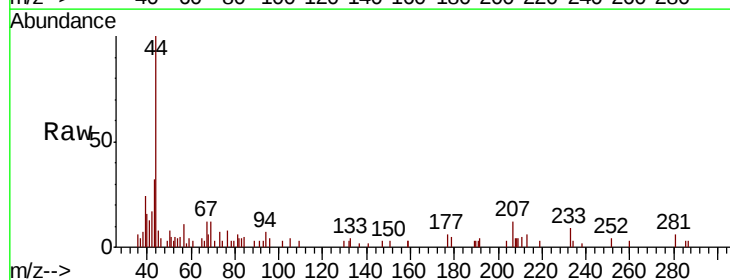
Instrument :
MSVOA_F
ClientSampleId :
P026-SS013-0206-01RE

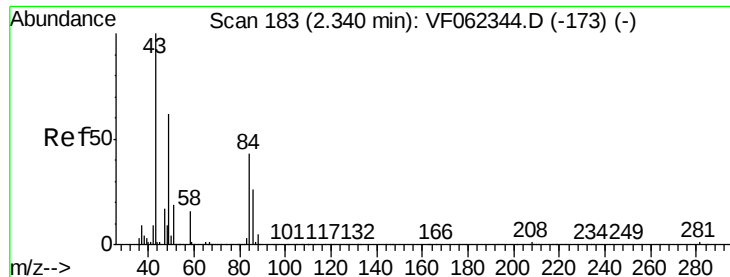
Tot Ion: 43 Resp: 8695
Ion Ratio Lower Upper
43 100
58 8.6 13.1 19.7#



#18
Methyl Acetate
Concen: Below Cal
RT: 2.47 min Scan# 196
Delta R.T. 0.00 min
Lab File: VF062531.D
Acq: 13 May 2019 5:44

Tgt Ion: 43 Resp: 872
Ion Ratio Lower Upper
43 100
74 0.0 15.0 22.4#

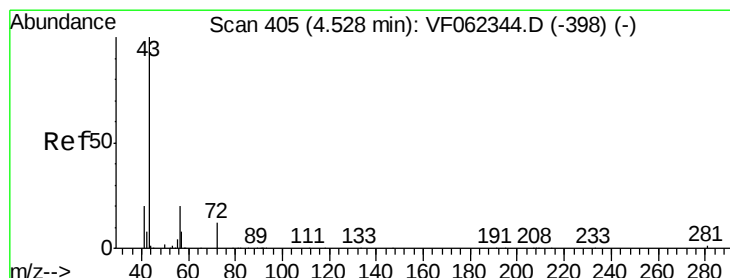
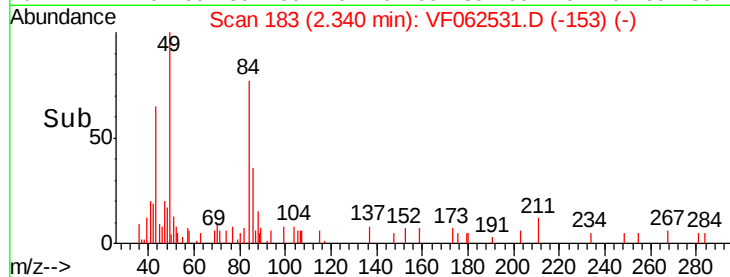
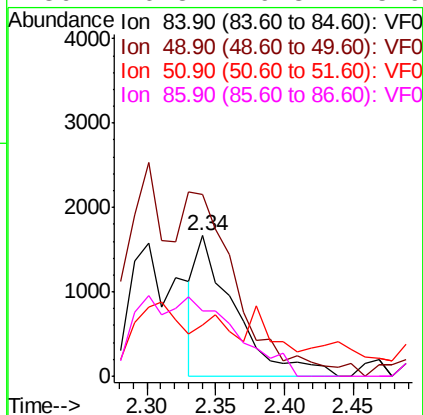
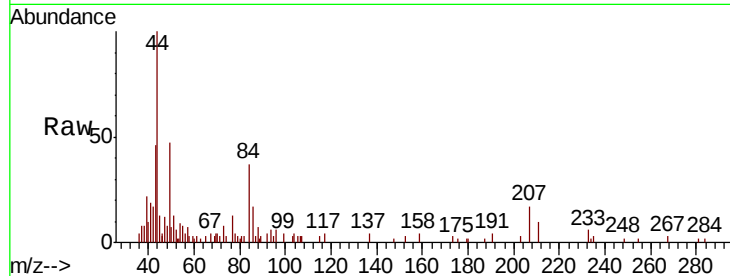




#20
Methvlene Chloride
Concen: 1.931 ug/l
RT: 2.34 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF062531.D
Acq: 13 May 2019 5:44

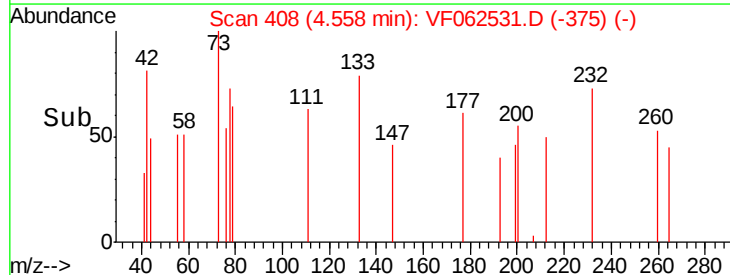
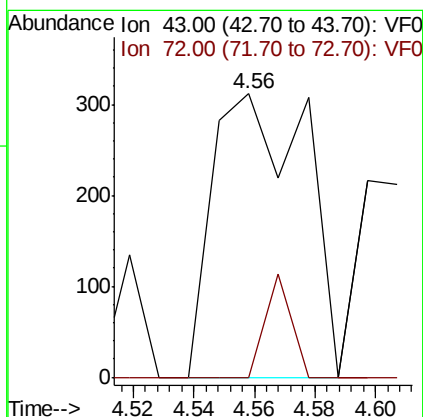
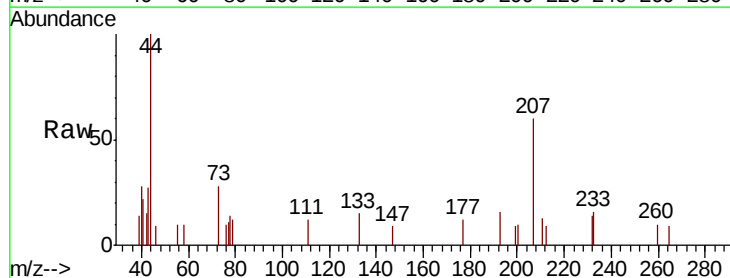
Instrument :
MSVOA_F
ClientSampleId :
P026-SS013-0206-01RE

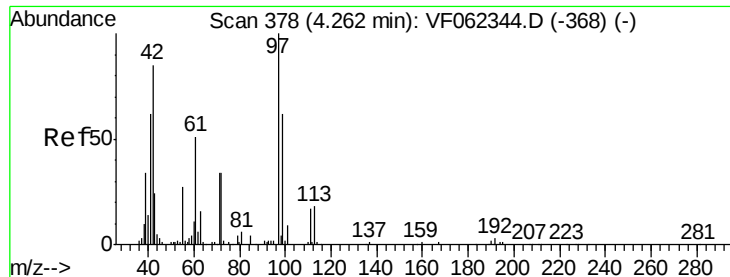
Tot Ion: 84 Resp: 3245
Ion Ratio Lower Upper
84 100
49 122.7 117.5 176.3
51 11.3 37.0 55.4#
86 46.8 49.3 73.9#



#25
2-Butanone
Concen: 1.136 ug/l
RT: 4.56 min Scan# 408
Delta R.T. 0.03 min
Lab File: VF062531.D
Acq: 13 May 2019 5:44

Tgt Ion: 43 Resp: 663
Ion Ratio Lower Upper
43 100
72 0.0 14.2 21.4#





#29

Tetrahydrofuran

Concen: 2.934 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.06 min

Lab File: VF062531.D

Acq: 13 May 2019 5:44

Instrument :

MSVOA_F

ClientSampleId :

P026-SS013-0206-01RE

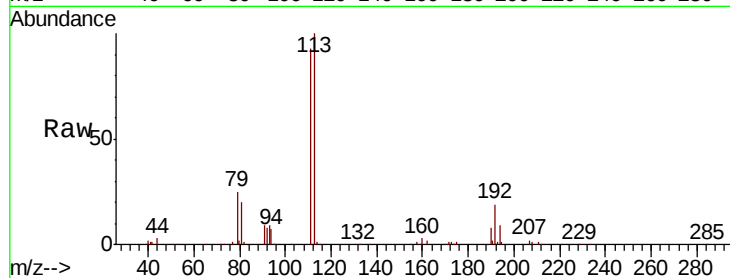
Tot Ion: 42 Resp: 787

Ion Ratio Lower Upper

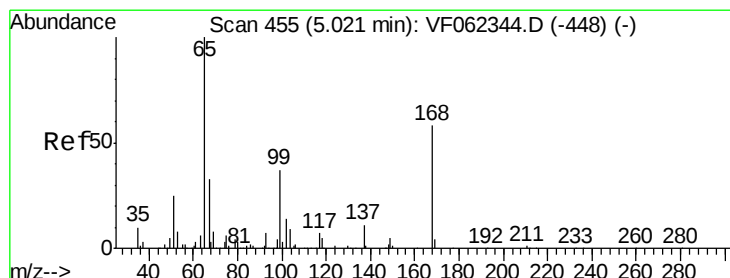
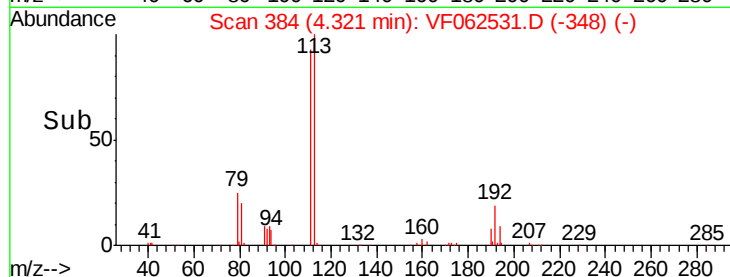
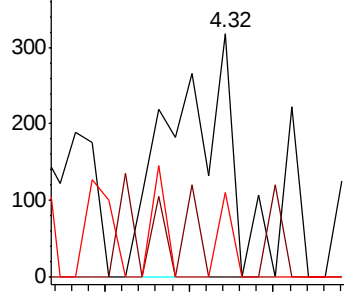
42 100

72 0.0 31.4 47.0#

71 8.3 31.7 47.5#



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



#33

1,2-Dichloroethane-d4

Concen: 42.183 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.03 min

Lab File: VF062531.D

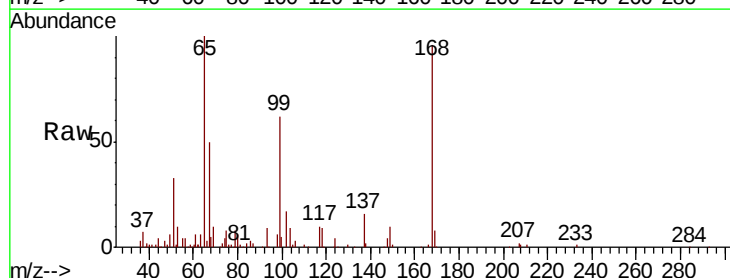
Acq: 13 May 2019 5:44

Tgt Ion: 65 Resp: 96858

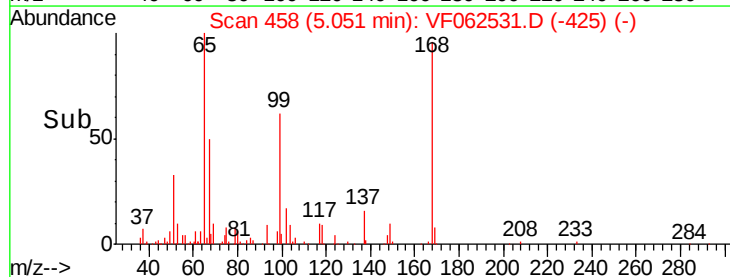
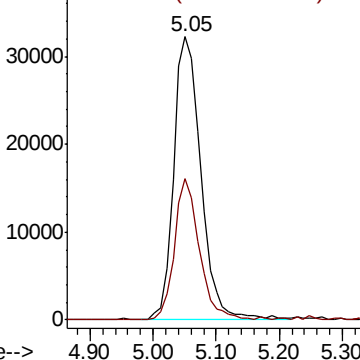
Ion Ratio Lower Upper

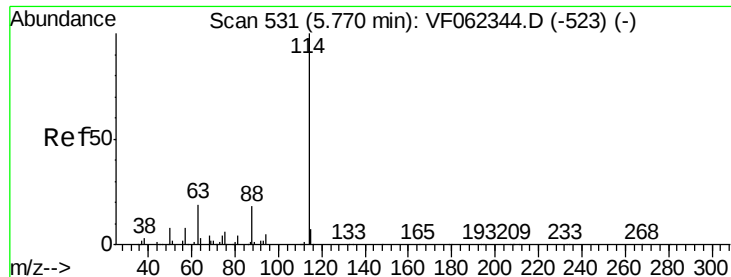
65 100

67 45.6 0.0 85.8



Abundance Ion 64.90 (64.60 to 65.60): VF0
Ion 66.90 (66.60 to 67.60): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. 0.02 min

Lab File: VF062531.D

Acq: 13 May 2019 5:44

Instrument :

MSVOA_F

ClientSampleId :

P026-SS013-0206-01RE

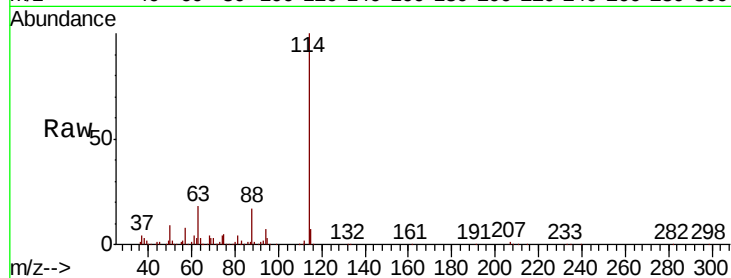
Tot Ion:114 Resp: 310240

Ion Ratio Lower Upper

114 100

63 18.3 0.0 37.4

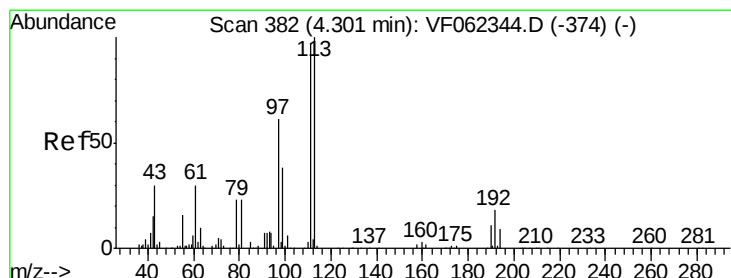
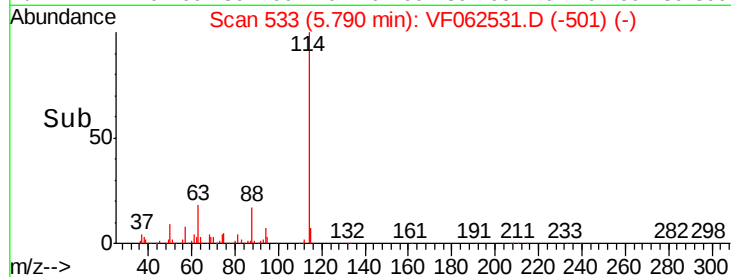
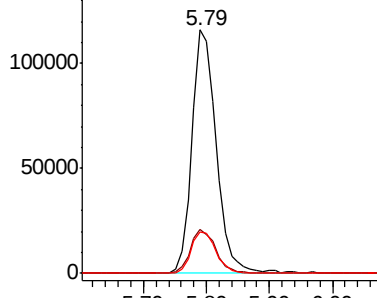
88 17.2 0.0 36.4



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: 48.507 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.02 min

Lab File: VF062531.D

Acq: 13 May 2019 5:44

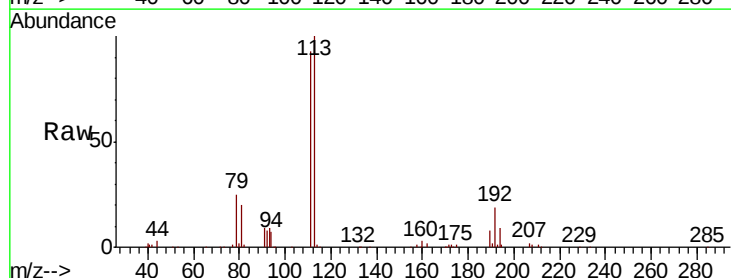
Tgt Ion:113 Resp: 119891

Ion Ratio Lower Upper

113 100

111 100.8 79.4 119.0

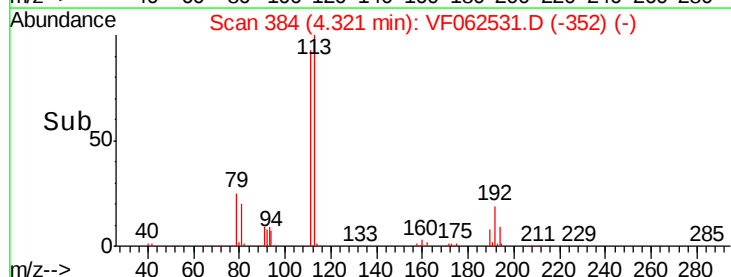
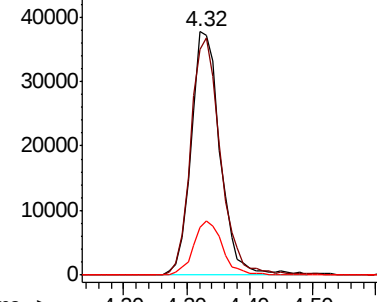
192 22.2 16.0 24.0

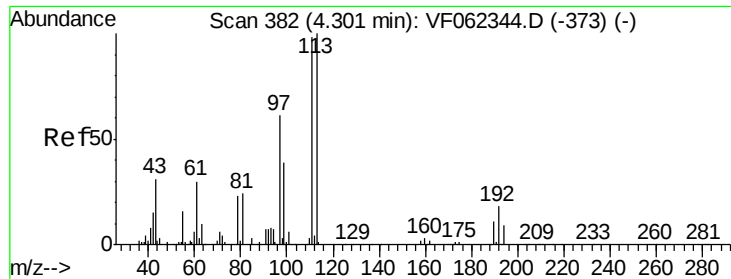


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

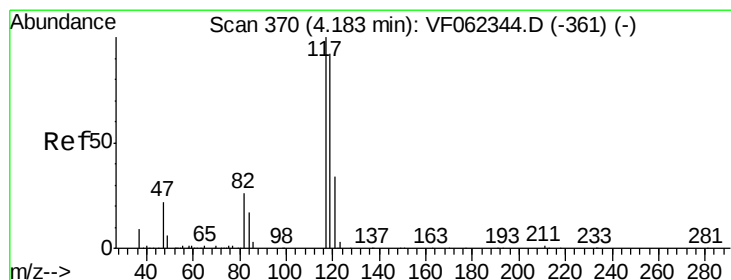
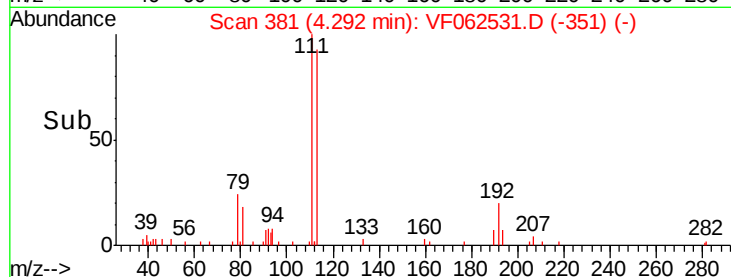
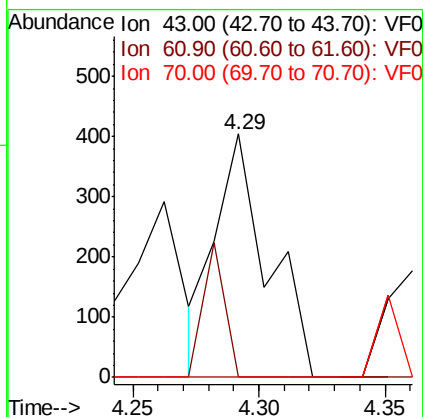
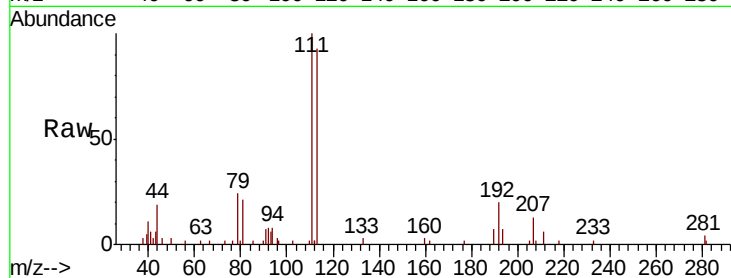




#37
Ethyl Acetate
Concen: Below Cal
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF062531.D
Acq: 13 May 2019 5:44

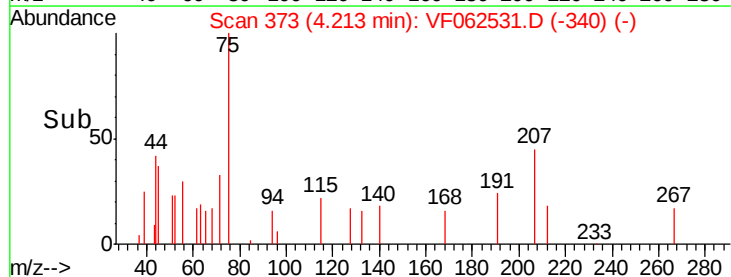
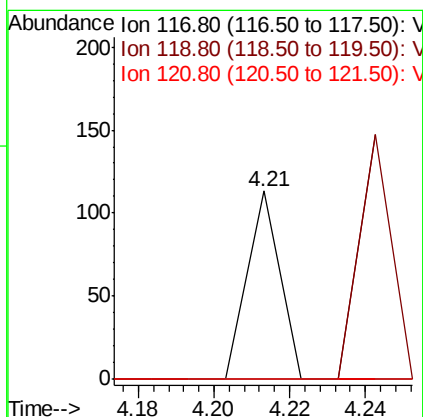
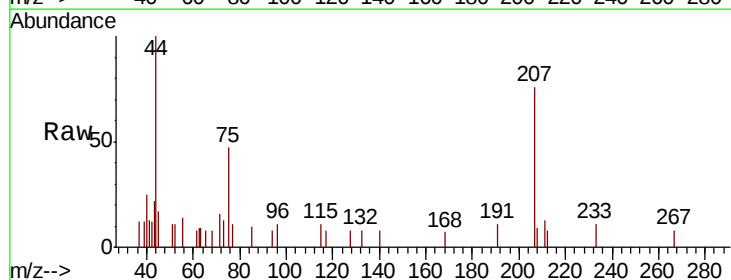
Instrument :
MSVOA_F
ClientSampleId :
P026-SS013-0206-01RE

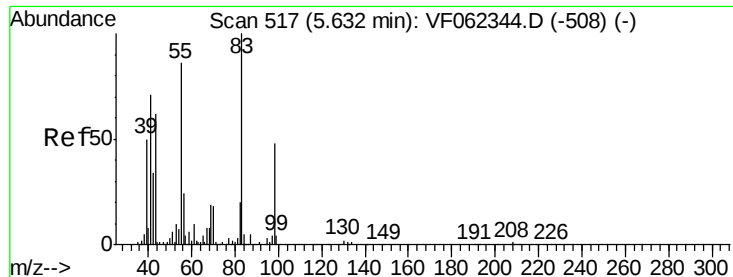
Tot Ion: 43 Resp: 585
Ion Ratio Lower Upper
43 100
61 22.6 0.0 0.0#
70 0.0 8.2 12.2#



#38
Carbon Tetrachloride
Concen: Below Cal
RT: 4.21 min Scan# 373
Delta R.T. 0.03 min
Lab File: VF062531.D
Acq: 13 May 2019 5:44

Tgt Ion: 117 Resp: 67
Ion Ratio Lower Upper
117 100
119 0.0 73.4 110.2#
121 0.0 27.4 41.0#

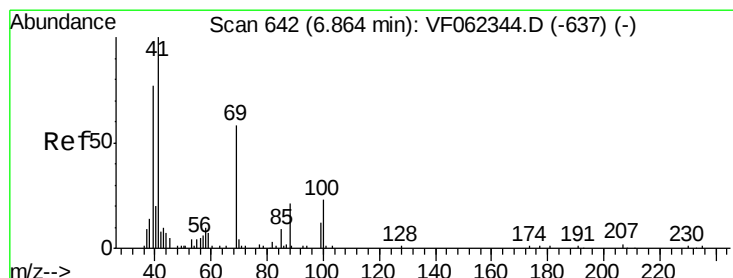
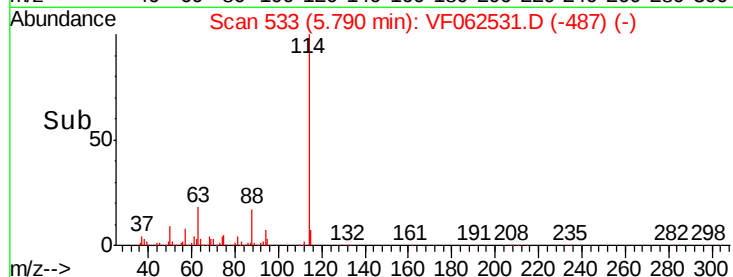
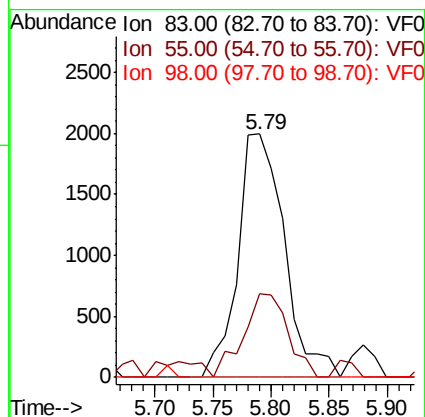
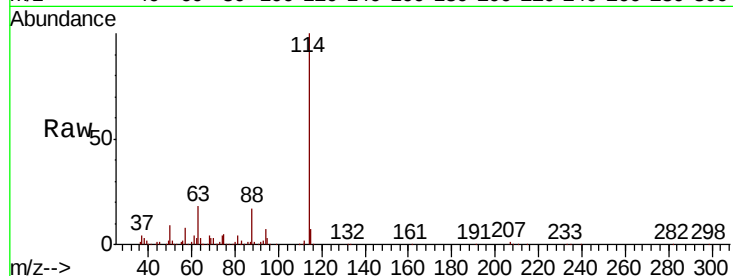




#39
Methvlcvclohexane
Concen: 2.063 ug/l
RT: 5.79 min Scan# 533
Delta R.T. 0.16 min
Lab File: VF062531.D
Acq: 13 May 2019 5:44

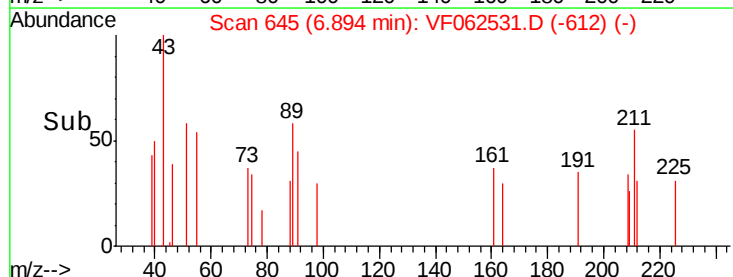
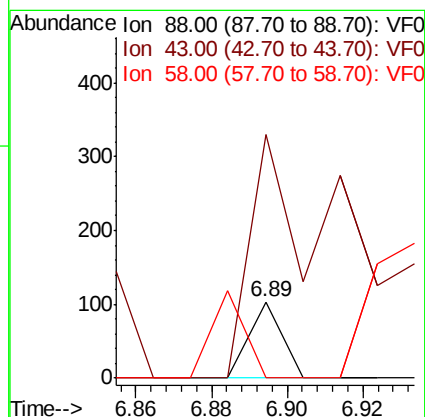
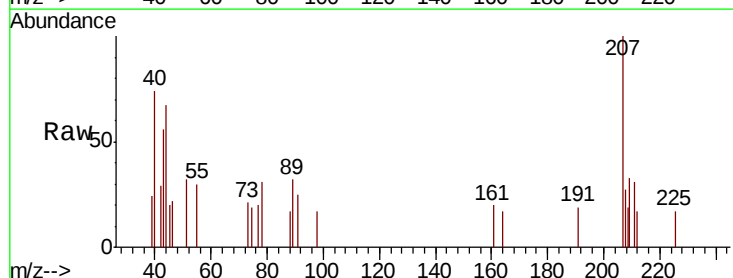
Instrument :
MSVOA_F
ClientSampleId :
P026-SS013-0206-01RE

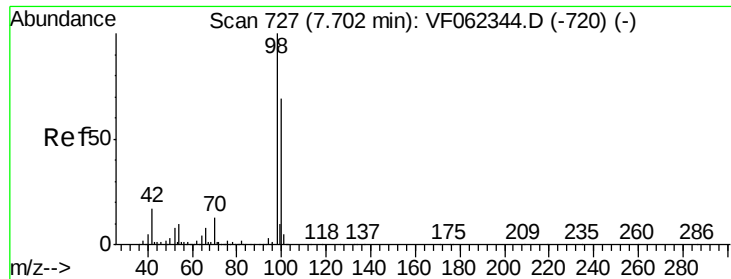
Tot Ion	Ratio	Lower	Upper
83	100		
55	28.6	69.0	103.6#
98	0.0	38.6	58.0#



#49
1,4-Dioxane
Concen: Below Cal
RT: 6.89 min Scan# 645
Delta R.T. 0.03 min
Lab File: VF062531.D
Acq: 13 May 2019 5:44

Tgt Ion	Ratio	Lower	Upper
88	100		
43	985.2	55.6	83.4#
58	114.8	52.8	79.2#

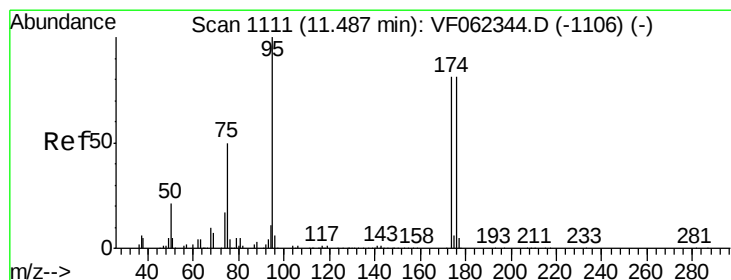
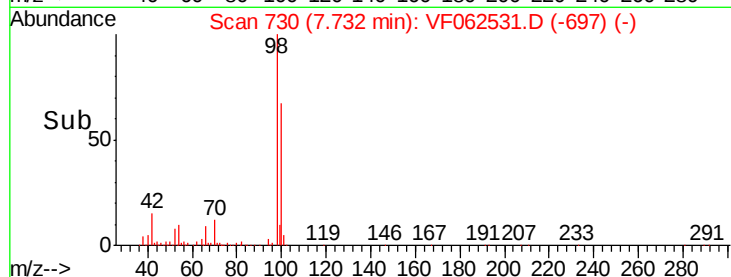
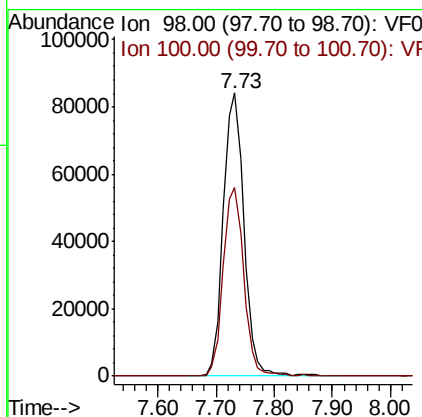
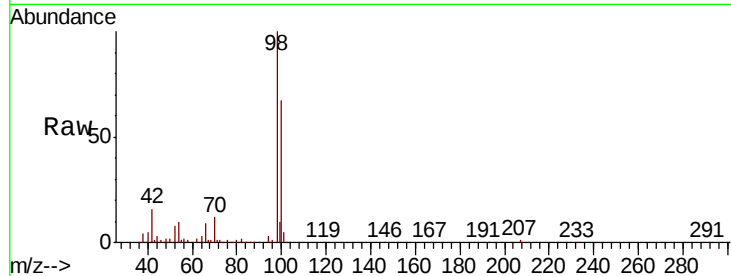




#50
Toluene-d8
Concen: 34.860 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.03 min
Lab File: VF062531.D
Acq: 13 May 2019 5:44

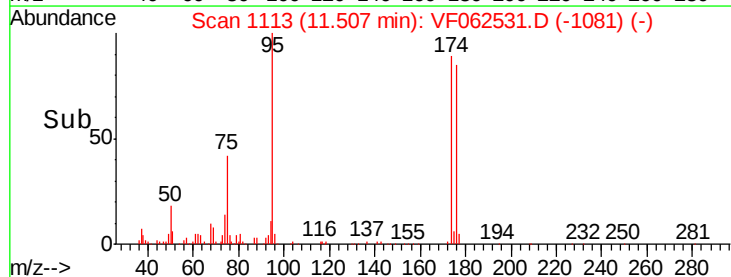
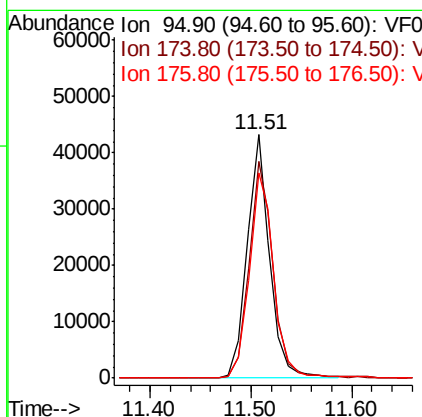
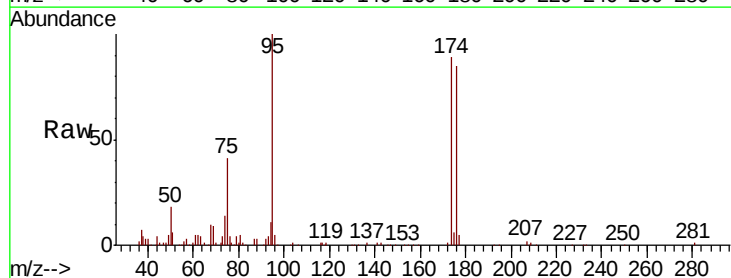
Instrument :
MSVOA_F
ClientSampleId :
P026-SS013-0206-01RE

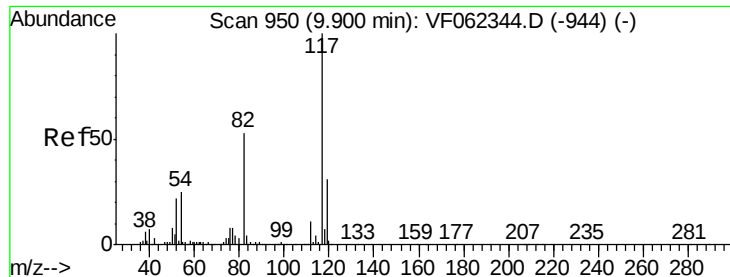
Tot Ion: 98 Resp: 208565
Ion Ratio Lower Upper
98 100
100 66.2 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 24.855 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VF062531.D
Acq: 13 May 2019 5:44

Tgt Ion: 95 Resp: 67090
Ion Ratio Lower Upper
95 100
174 95.6 0.0 191.8
176 91.2 0.0 193.2

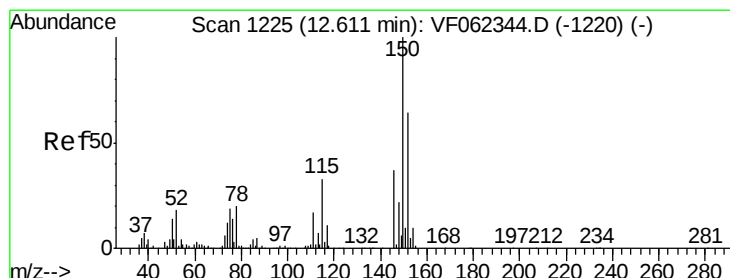
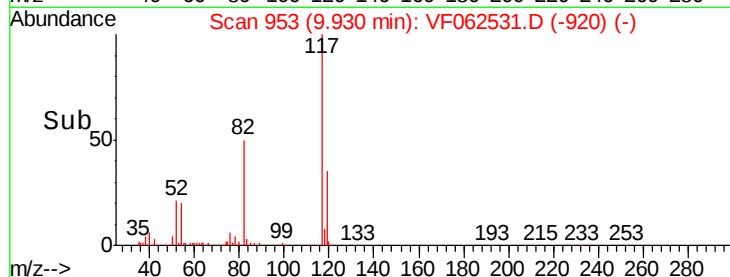
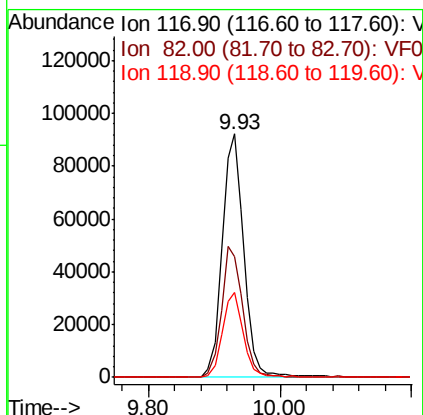
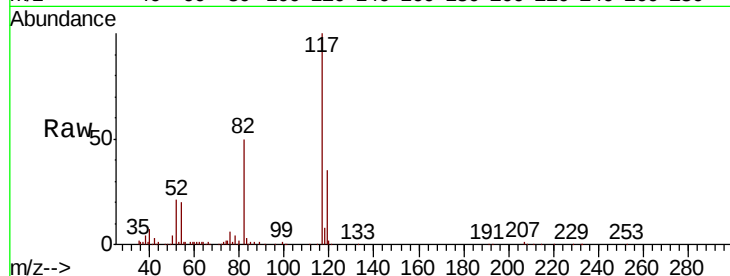




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.03 min
Lab File: VF062531.D
Acq: 13 May 2019 5:44

Instrument :
MSVOA_F
ClientSampleId :
P026-SS013-0206-01RE

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.8	42.2	63.2
119	34.6	25.0	37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VF062531.D
Acq: 13 May 2019 5:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.2	26.4	79.2
150	152.4	0.0	335.0

