

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051219\
 Data File : VF062522.D
 Acq On : 13 May 2019 1:32
 Operator : FY/SY
 Sample : K2756-03RE
 Misc : 6.57g/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P021-SS005-0612-01

Quant Time: May 13 04:51:06 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	253298	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.80	114	343894	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.93	117	261148	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	149151	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	99331	41.50	ug/l	0.03
Spiked Amount 50.000			Recovery =	83.00%		
35) Dibromofluoromethane	4.33	113	123250	44.99	ug/l	0.03
Spiked Amount 50.000			Recovery =	89.98%		
50) Toluene-d8	7.73	98	246916	37.23	ug/l	0.03
Spiked Amount 50.000			Recovery =	74.46%		
62) 4-Bromofluorobenzene	11.51	95	104965	35.08	ug/l	0.02
Spiked Amount 50.000			Recovery =	70.16%		

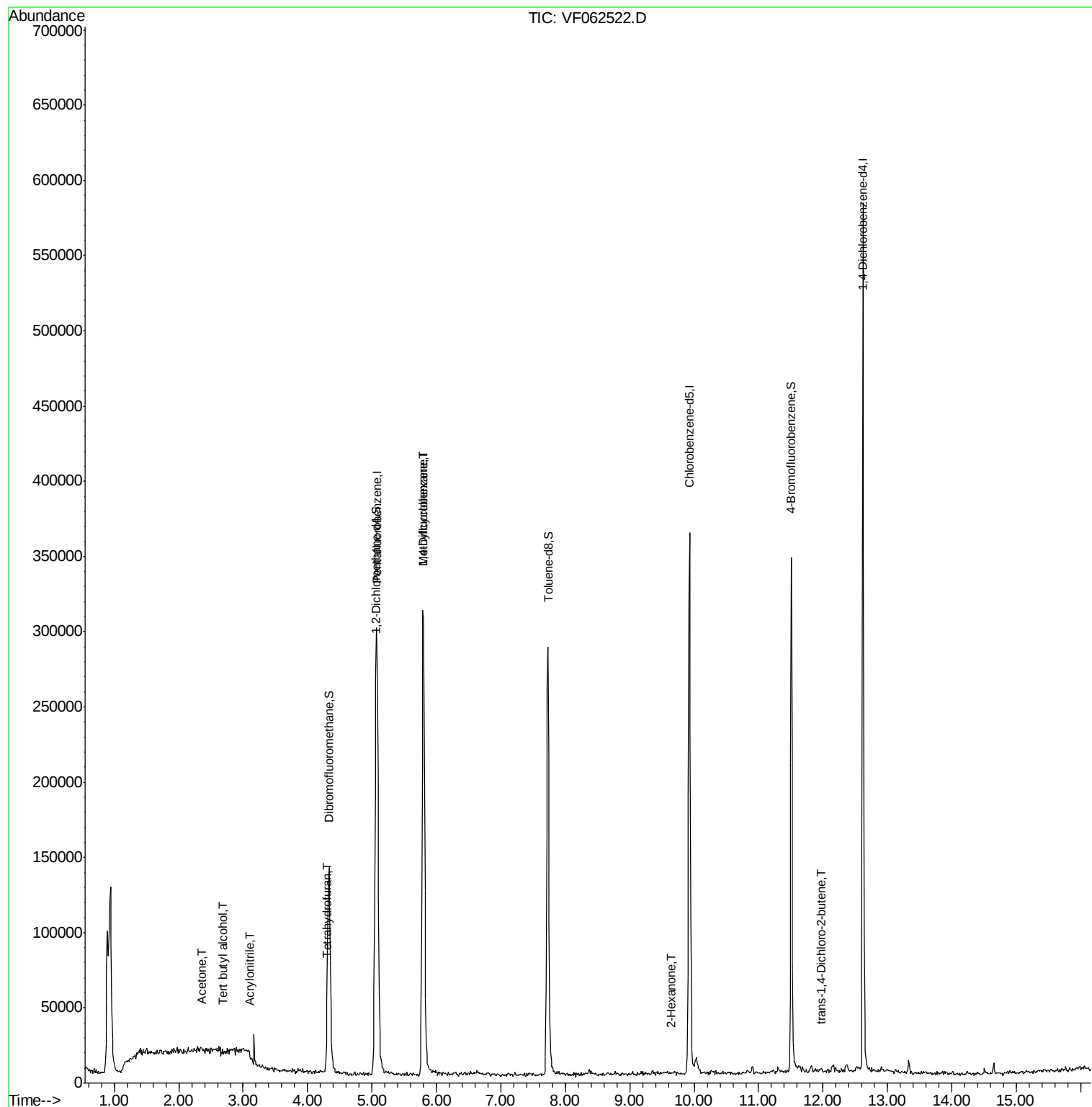
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.40	94	406	Below Cal		94
11) Tert butyl alcohol	2.69	59	989	7.310	ug/l #	36
13) Acrolein	2.13	56	707	Below Cal	#	24
15) Acrylonitrile	3.10	53	835	3.258	ug/l #	23
16) Acetone	2.36	43	4453	9.196	ug/l #	90
18) Methyl Acetate	2.50	43	1817	Below Cal		93
29) Tetrahydrofuran	4.29	42	687	2.457	ug/l #	44
37) Ethyl Acetate	4.31	43	1070	Below Cal	#	73
38) Carbon Tetrachloride	4.15	117	68	Below Cal	#	77
39) Methylcyclohexane	5.79	83	5232	1.766	ug/l #	32
49) 1,4-Dioxane	6.91	88	71	Below Cal	#	1
59) 2-Hexanone	9.64	43	1474	2.093	ug/l	70
81) trans-1,4-Dichloro-2-buten	11.96	75	512	1.290	ug/l #	18

(#) = 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: VF062522.D

Acq: 13 May 2019 1:32

Instrument :

MSVOA_F

ClientSampleId :

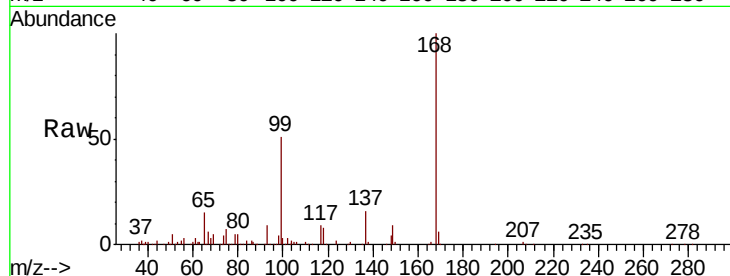
P021-SS005-0612-01

Tot Ion:168 Resp: 253298

Ion Ratio Lower Upper

168 100

99 51.3 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.08

80000

60000

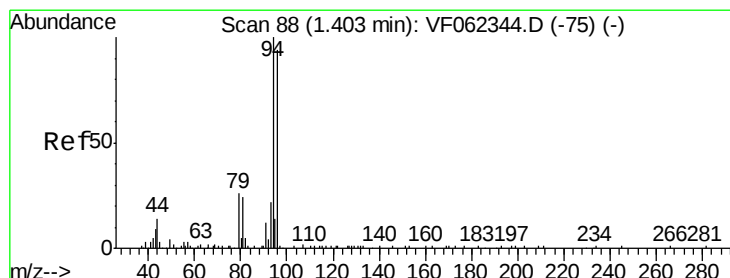
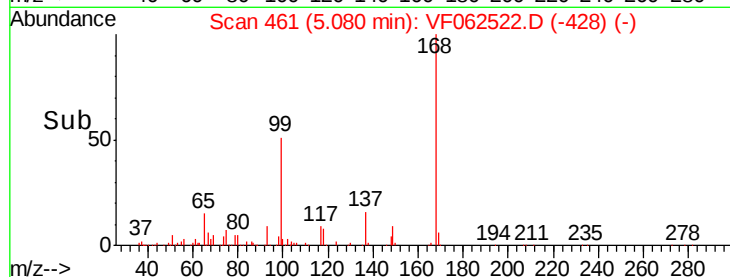
40000

20000

0

Time-->

5.00 5.10 5.20



#5

Bromomethane

Concen: Below Cal

RT: 1.40 min Scan# 88

Delta R.T. 0.00 min

Lab File: VF062522.D

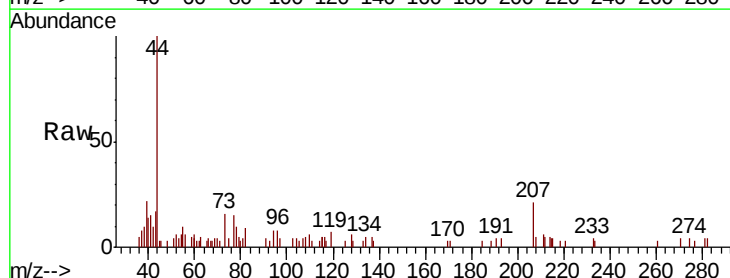
Acq: 13 May 2019 1:32

Tgt Ion: 94 Resp: 406

Ion Ratio Lower Upper

94 100

96 100.0 75.4 113.2



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0

1140

400

300

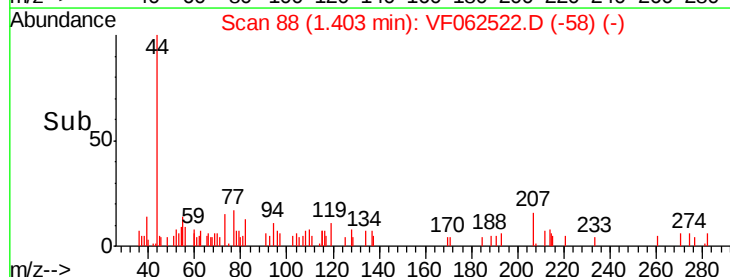
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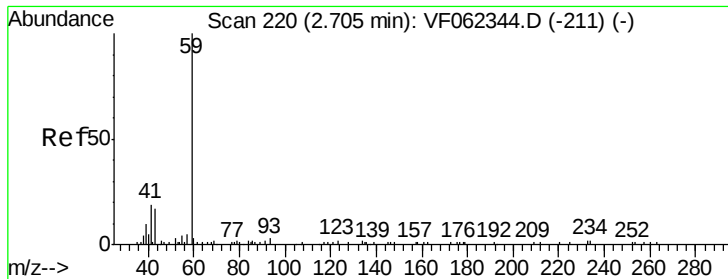
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0

Time-->

1.36 1.38 1.40 1.42 1.44

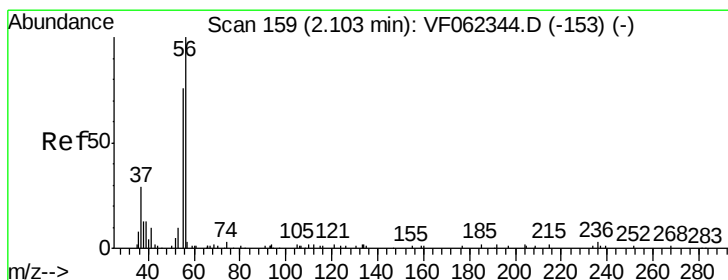
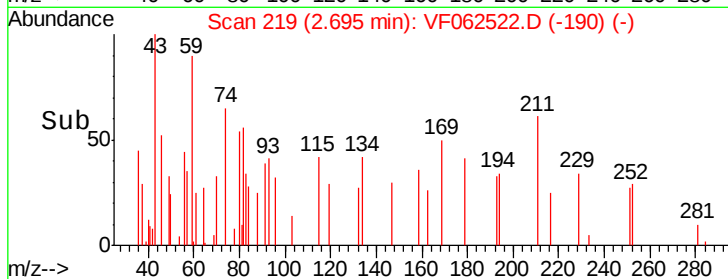
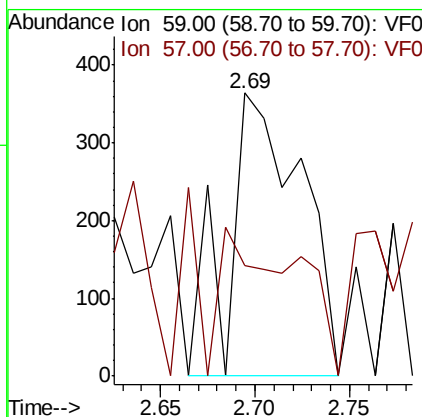
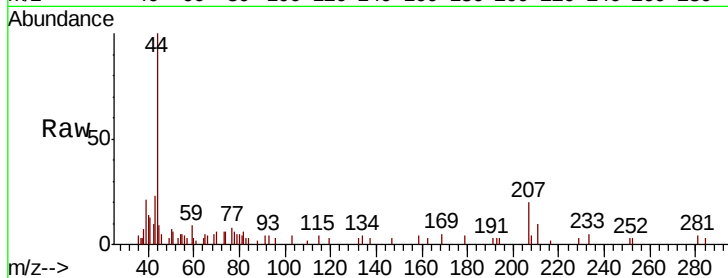




#11
Tert butyl alcohol
Concen: 7.310 ug/l
RT: 2.69 min Scan# 219
Delta R.T. -0.01 min
Lab File: VF062522.D
Acq: 13 May 2019 1:32

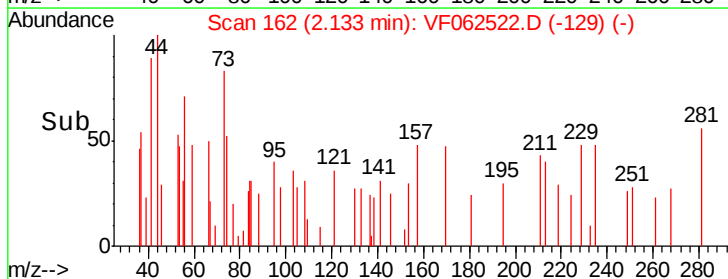
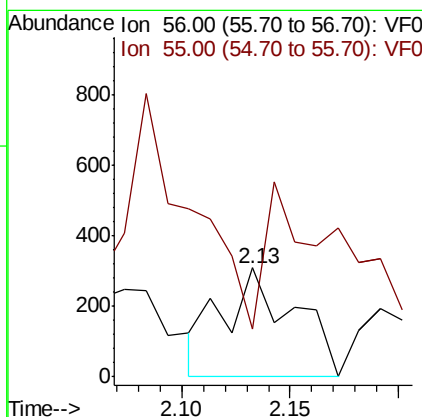
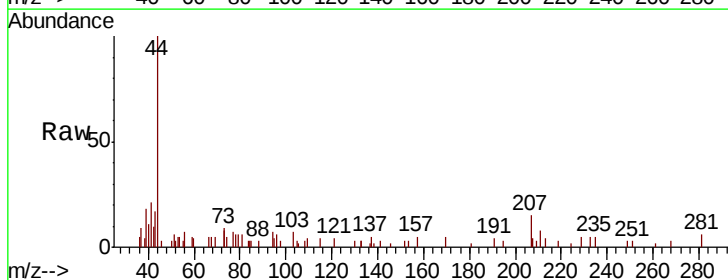
Instrument :
MSVOA_F
ClientSampleId :
P021-SS005-0612-01

Tot Ion: 59 Resp: 989
Ion Ratio Lower Upper
59 100
57 36.1 9.3 13.9#



#13
Acrolein
Concen: Below Cal
RT: 2.13 min Scan# 162
Delta R.T. 0.03 min
Lab File: VF062522.D
Acq: 13 May 2019 1:32

Tgt Ion: 56 Resp: 707
Ion Ratio Lower Upper
56 100
55 136.6 58.4 87.6#





#15

Acrylonitrile

Concen: 3.258 ug/l

RT: 3.10 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF062522.D

Acq: 13 May 2019 1:32

Instrument :

MSVOA_F

ClientSampleId :

P021-SS005-0612-01

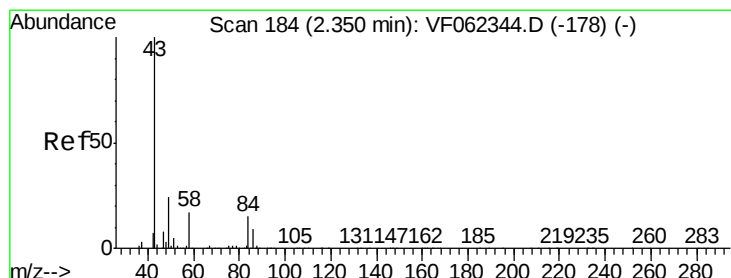
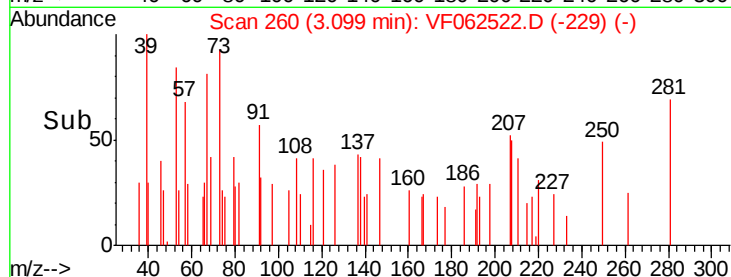
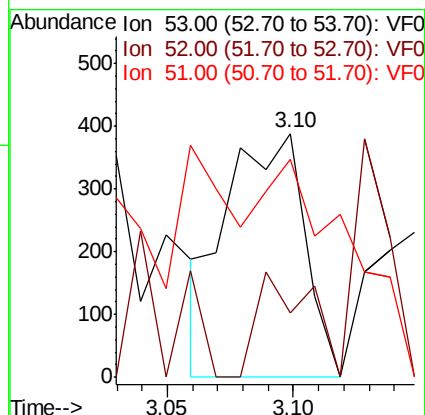
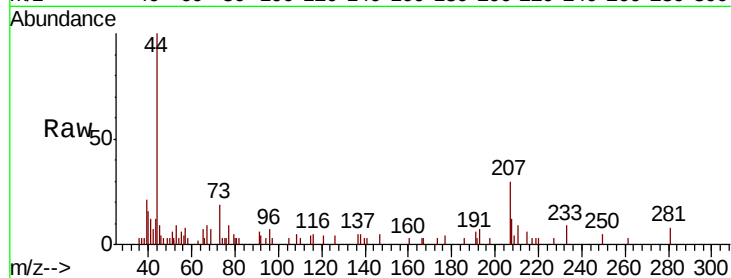
Tot Ion: 53 Resp: 835

Ion Ratio Lower Upper

53 100

52 19.2 77.2 115.8#

51 0.0 40.6 61.0#



#16

Acetone

Concen: 9.196 ug/l

RT: 2.36 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF062522.D

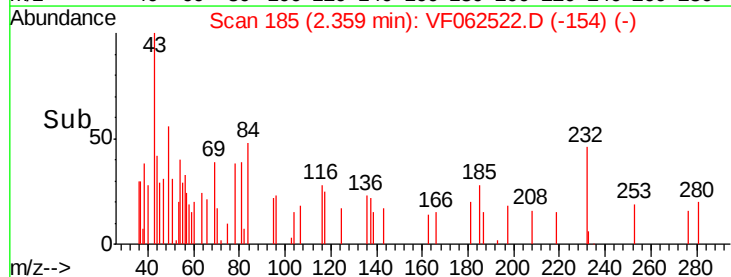
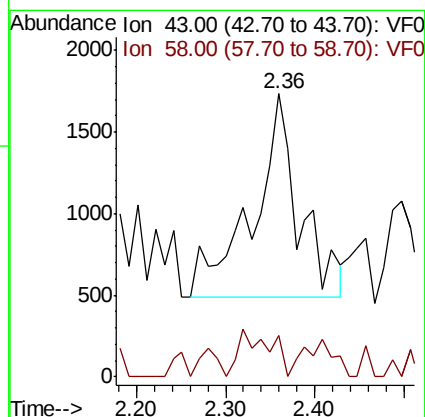
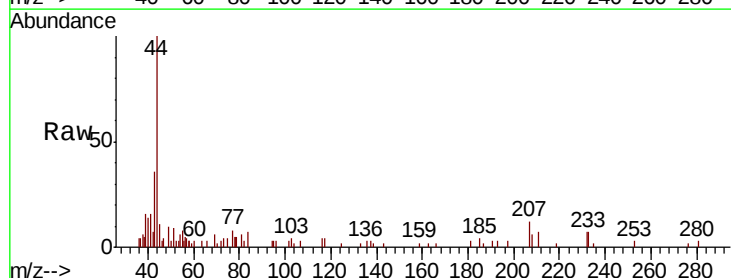
Acq: 13 May 2019 1:32

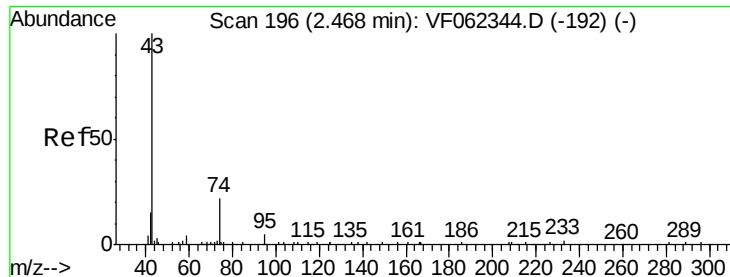
Tgt Ion: 43 Resp: 4453

Ion Ratio Lower Upper

43 100

58 20.5 13.1 19.7#

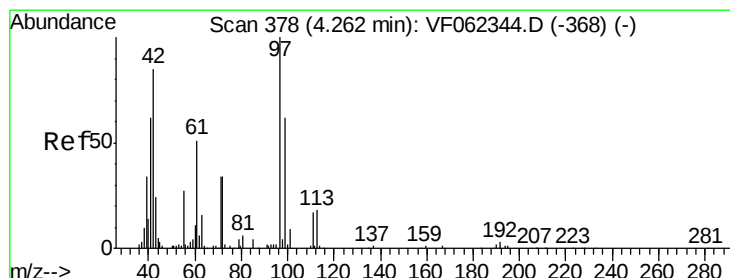
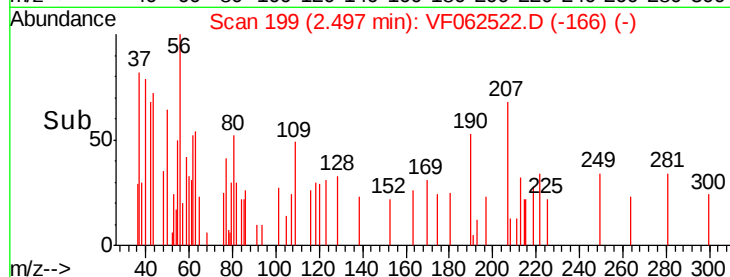
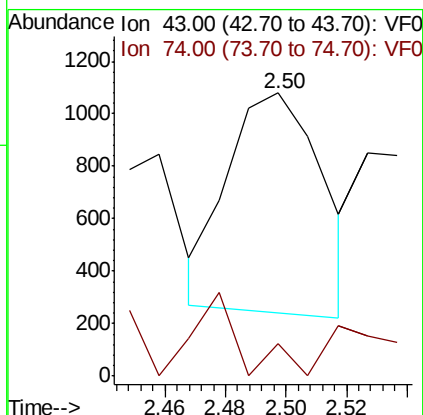
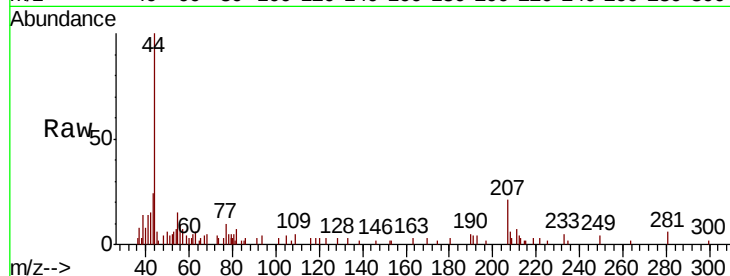




#18
Methvl Acetate
Concen: Below Cal
RT: 2.50 min Scan# 199
Delta R.T. 0.03 min
Lab File: VF062522.D
Acq: 13 May 2019 1:32

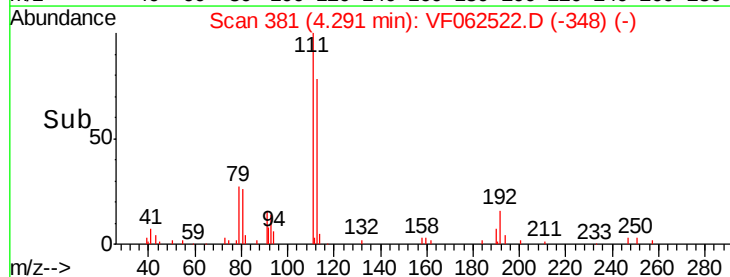
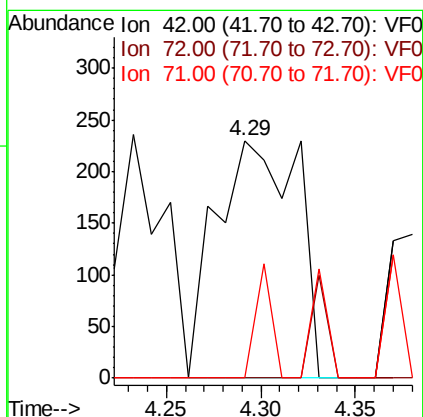
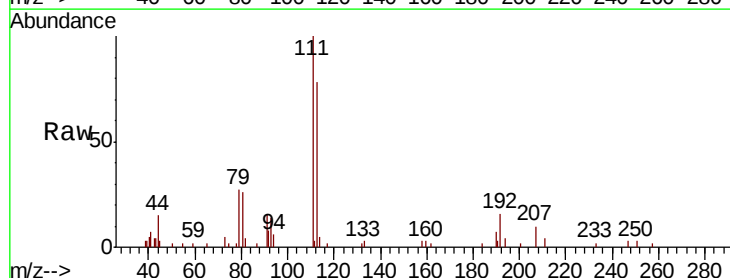
Instrument :
MSVOA_F
ClientSampleId :
P021-SS005-0612-01

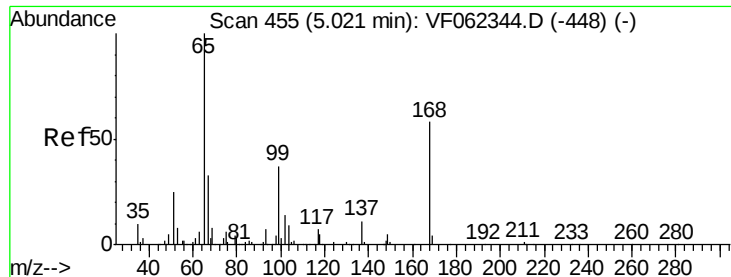
Tot Ion: 43 Resp: 1817
Ion Ratio Lower Upper
43 100
74 15.5 15.0 22.4



#29
Tetrahydrofuran
Concen: 2.457 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.03 min
Lab File: VF062522.D
Acq: 13 May 2019 1:32

Tgt Ion: 42 Resp: 687
Ion Ratio Lower Upper
42 100
72 0.0 31.4 47.0#
71 9.6 31.7 47.5#





#33

1,2-Dichloroethane-d4

Concen: 41.496 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.03 min

Lab File: VF062522.D

Acq: 13 May 2019 1:32

Instrument :

MSVOA_F

ClientSampleId :

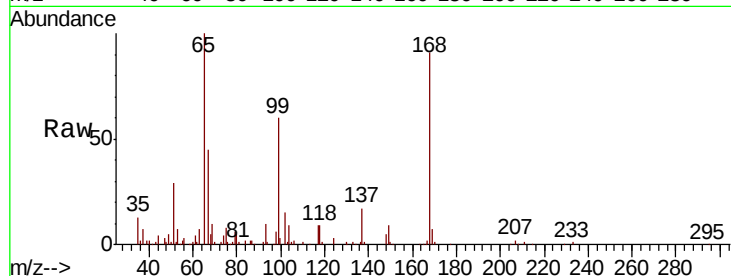
P021-SS005-0612-01

Tot Ion: 65 Resp: 99331

Ion Ratio Lower Upper

65 100

67 44.8 0.0 85.8



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0

5.05

40000

30000

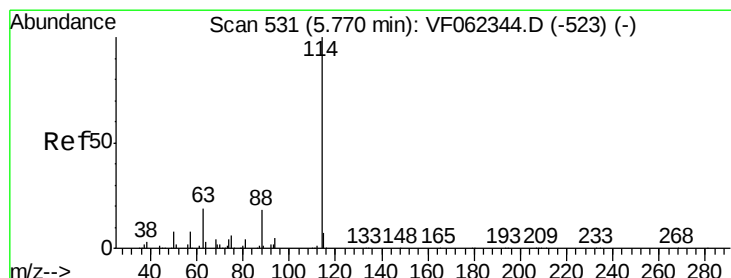
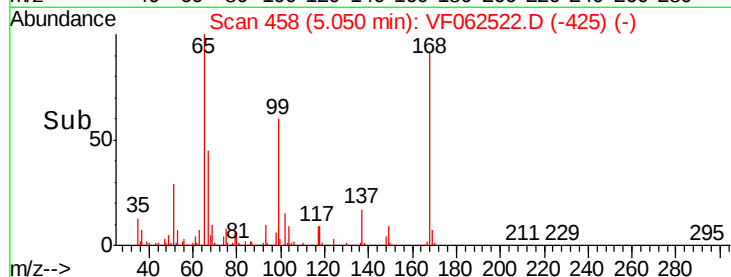
20000

10000

0

4.90 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. 0.03 min

Lab File: VF062522.D

Acq: 13 May 2019 1:32

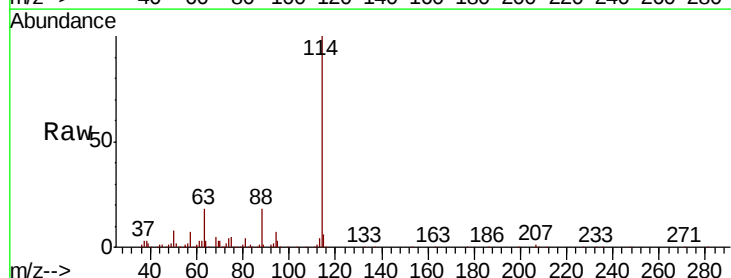
Tgt Ion: 114 Resp: 343894

Ion Ratio Lower Upper

114 100

63 18.4 0.0 37.4

88 17.9 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

150000

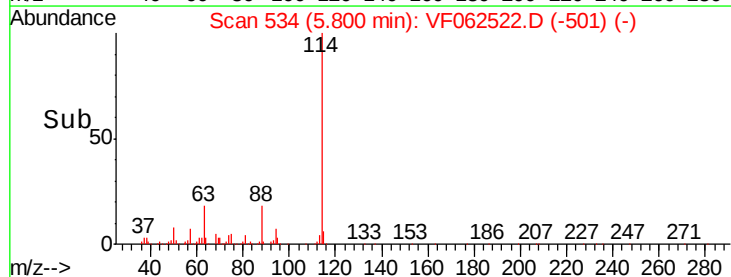
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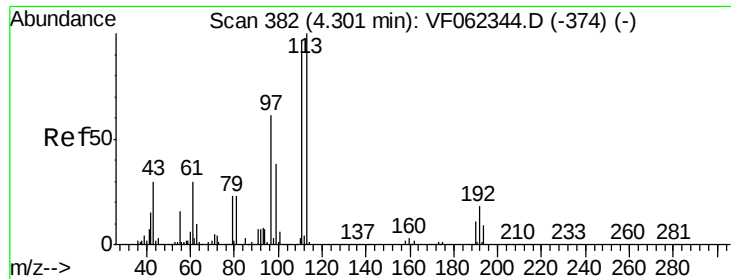
50000

0

5.60 5.80 6.00

Time-->

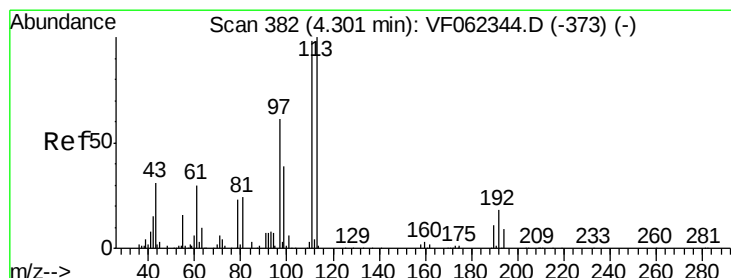
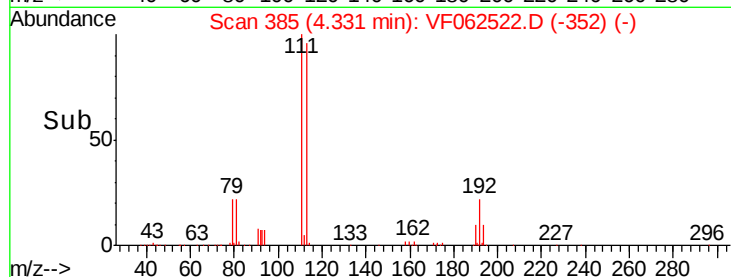
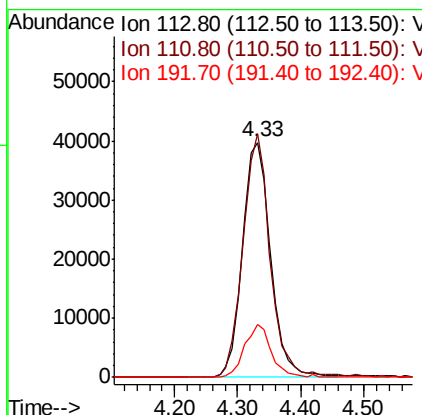
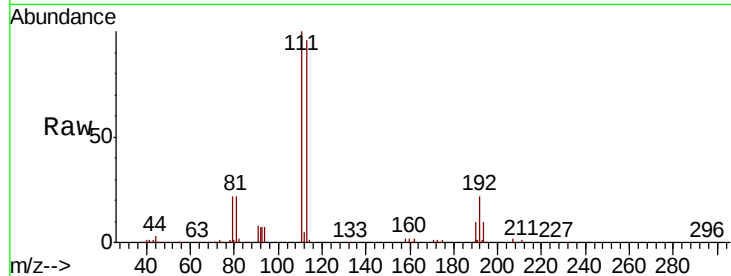




#35
 Dibromofluoromethane
 Concen: 44.986 ug/l
 RT: 4.33 min Scan# 385
 Delta R.T. 0.03 min
 Lab File: VF062522.D
 Acq: 13 May 2019 1:32

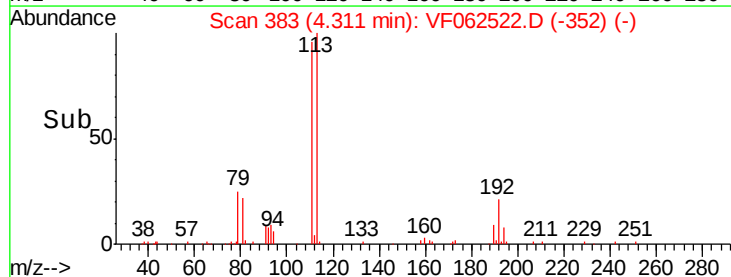
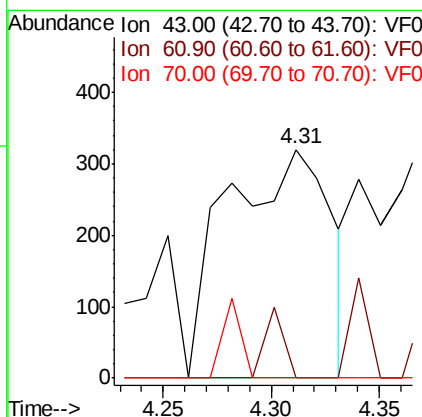
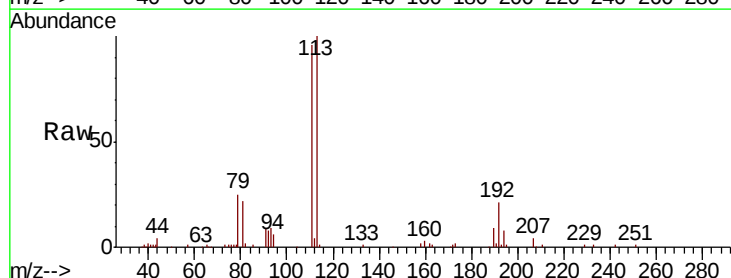
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 MSVOA_F
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 P021-SS005-0612-01

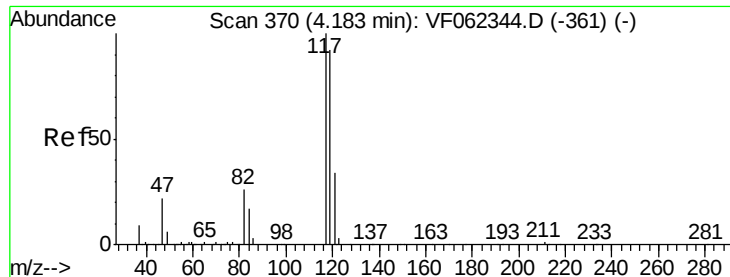
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.1	79.4	119.0
192	21.0	16.0	24.0



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 4.31 min Scan# 383
 Delta R.T. 0.01 min
 Lab File: VF062522.D
 Acq: 13 May 2019 1:32

Tgt Ion	Ratio	Lower	Upper
43	100		
61	5.5	0.0	0.0#
70	0.0	8.2	12.2#





#38

Carbon Tetrachloride

Concen: Below Cal

RT: 4.15 min Scan# 367

Delta R.T. -0.03 min

Lab File: VF062522.D

Acq: 13 May 2019 1:32

Instrument :

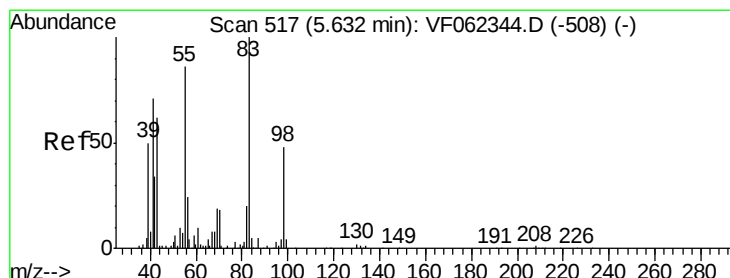
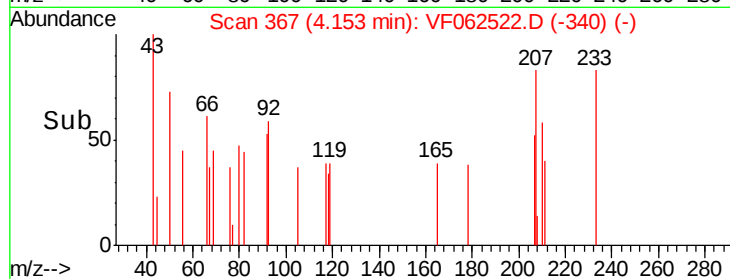
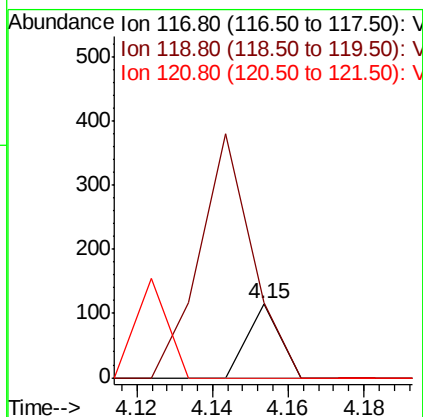
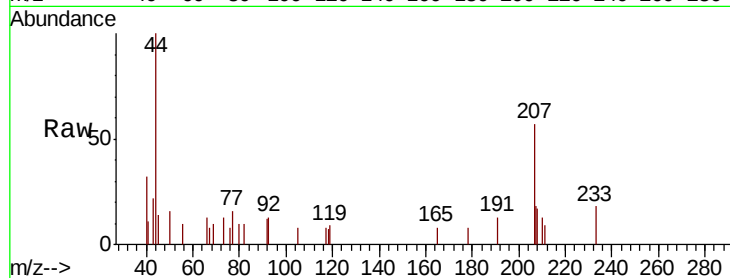
MSVOA_F

ClientSampleId :

P021-SS005-0612-01

Tot Ion:117 Resp: 68

Ion	Ratio	Lower	Upper
117	100		
119	100.9	73.4	110.2
121	0.0	27.4	41.0#



#39

Methylcyclohexane

Concen: 1.766 ug/l

RT: 5.79 min Scan# 533

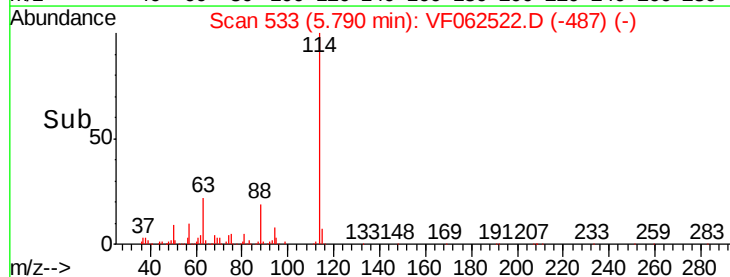
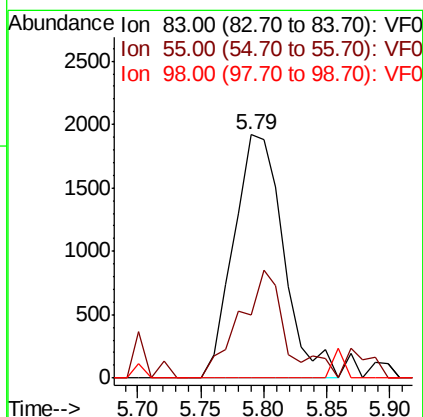
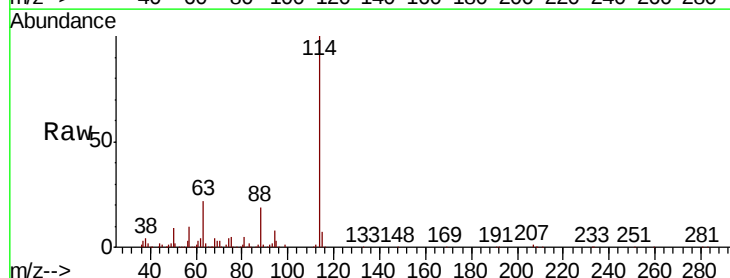
Delta R.T. 0.16 min

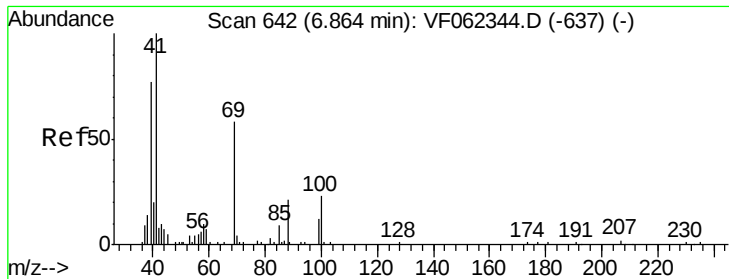
Lab File: VF062522.D

Acq: 13 May 2019 1:32

Tgt Ion: 83 Resp: 5232

Ion	Ratio	Lower	Upper
83	100		
55	25.7	69.0	103.6#
98	0.0	38.6	58.0#

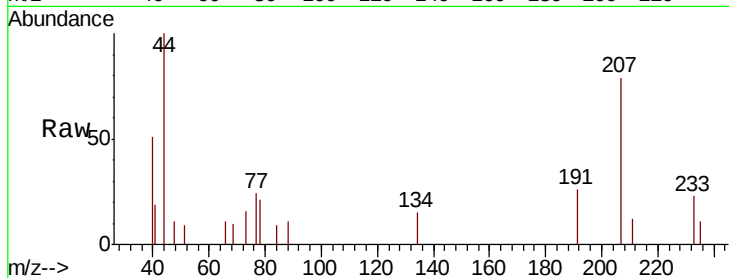




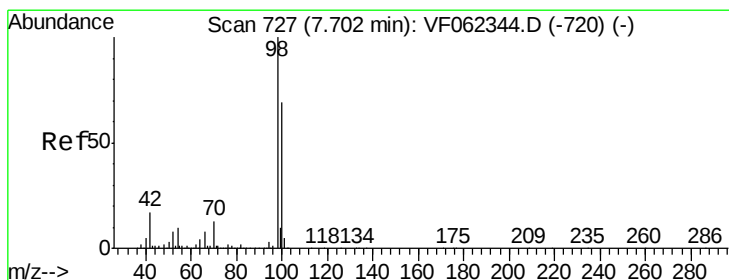
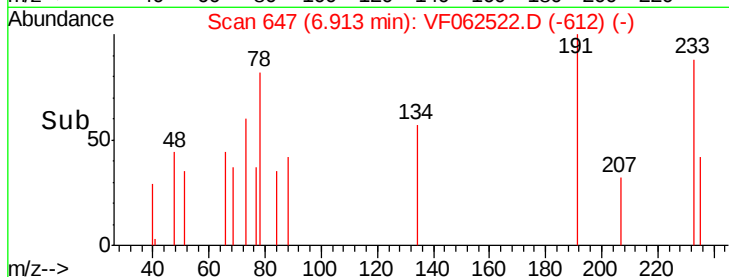
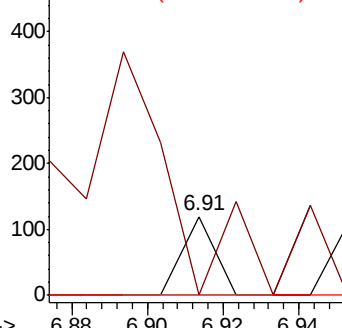
#49
1,4-Dioxane
Concen: Below Cal
RT: 6.91 min Scan# 647
Delta R.T. 0.05 min
Lab File: VF062522.D
Acq: 13 May 2019 1:32

Instrument :
MSVOA_F
ClientSampleId :
P021-SS005-0612-01

Tot Ion: 88 Resp: 71
Ion Ratio Lower Upper
88 100
43 911.3 55.6 83.4#
58 0.0 52.8 79.2#

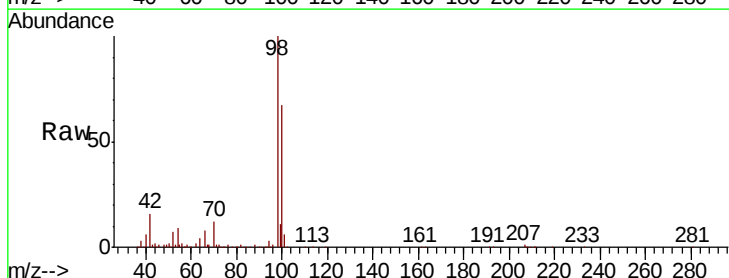


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

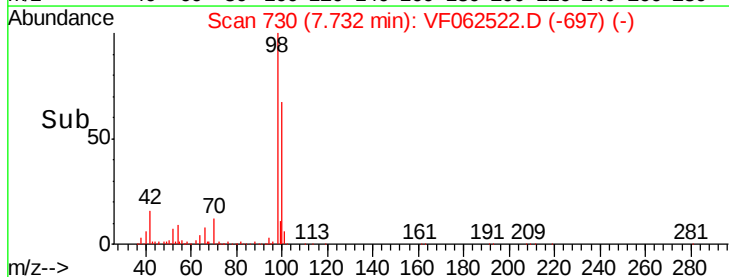
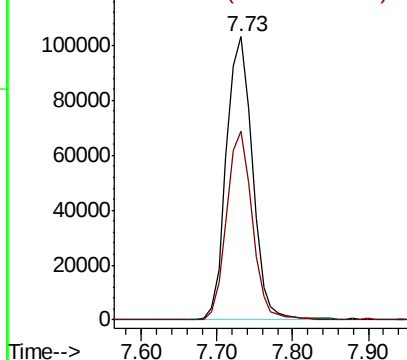


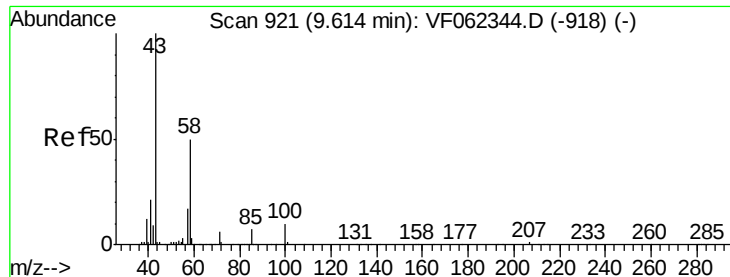
#50
Toluene-d8
Concen: 37.231 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.03 min
Lab File: VF062522.D
Acq: 13 May 2019 1:32

Tgt Ion: 98 Resp: 246916
Ion Ratio Lower Upper
98 100
100 65.2 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#59

2-Hexanone

Concen: 2.093 ug/l

RT: 9.64 min Scan# 924

Delta R.T. 0.03 min

Lab File: VF062522.D

Acq: 13 May 2019 1:32

Instrument :

MSVOA_F

ClientSampleId :

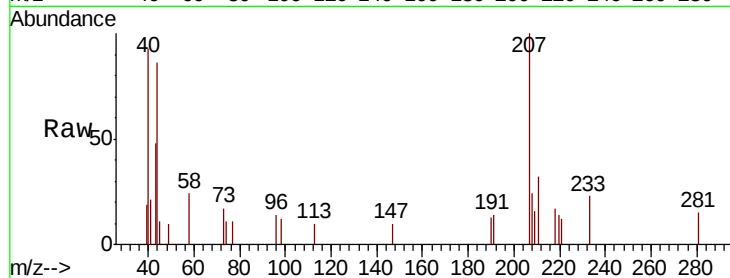
P021-SS005-0612-01

Tot Ion: 43 Resp: 1474

Ion Ratio Lower Upper

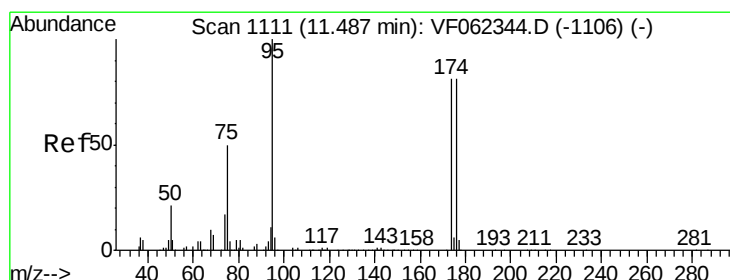
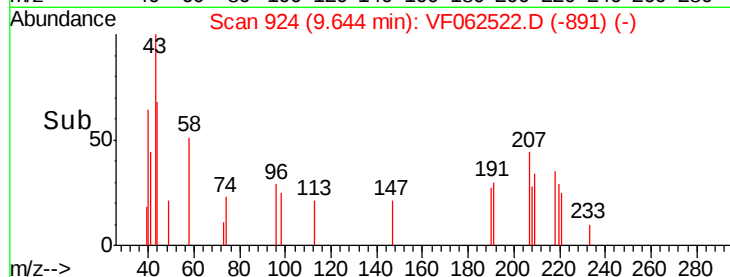
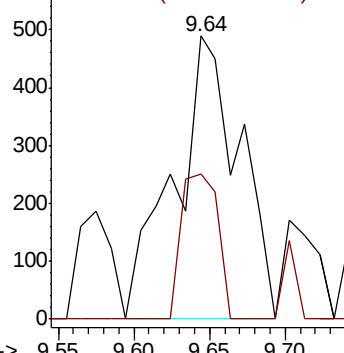
43 100

58 28.6 24.3 73.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#62

4-Bromofluorobenzene

Concen: 35.081 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VF062522.D

Acq: 13 May 2019 1:32

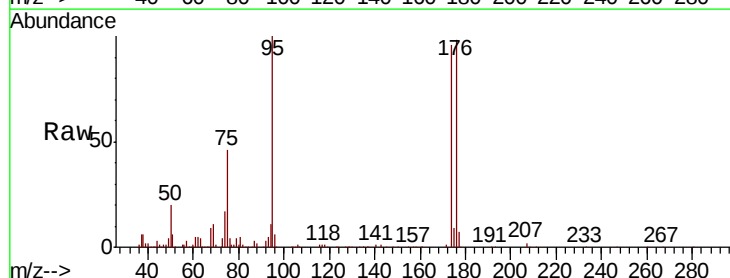
Tgt Ion: 95 Resp: 104965

Ion Ratio Lower Upper

95 100

174 99.1 0.0 191.8

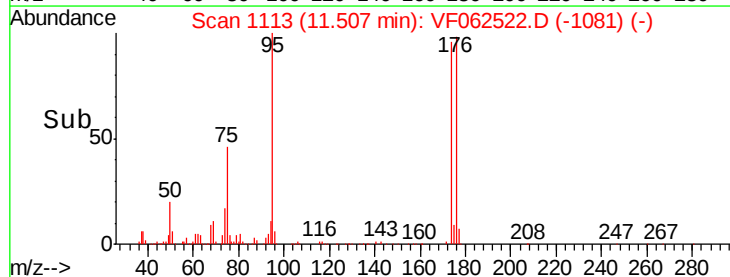
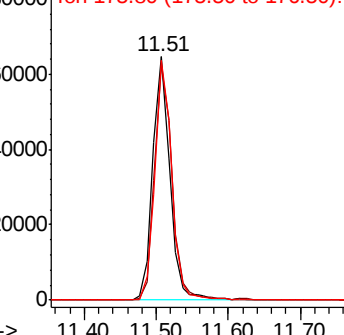
176 97.1 0.0 193.2

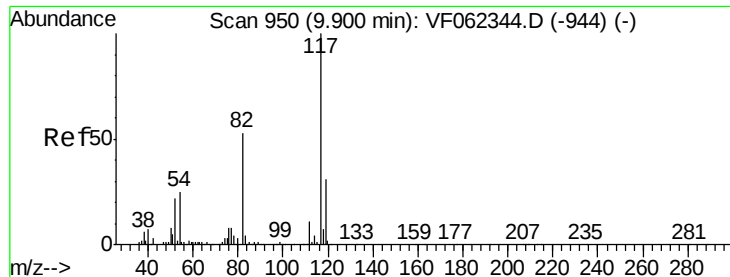


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

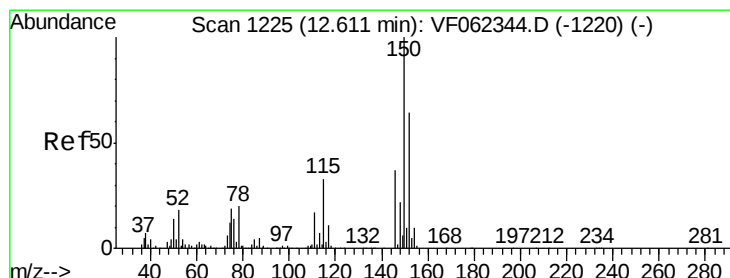
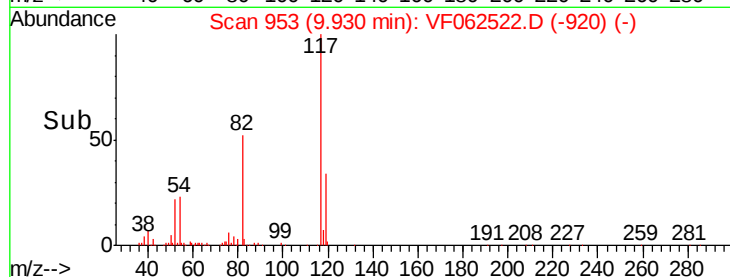
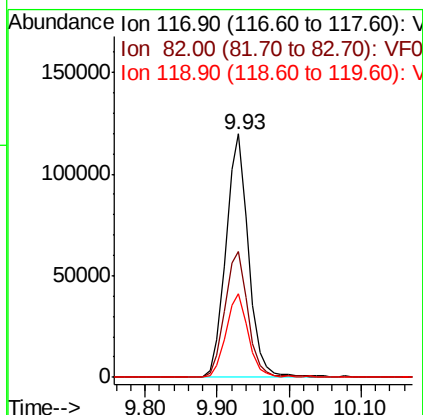
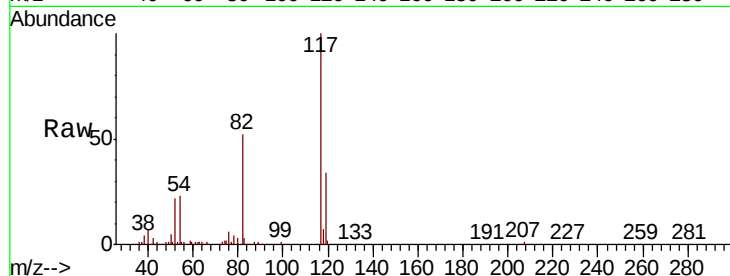




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.03 min
Lab File: VF062522.D
Acq: 13 May 2019 1:32

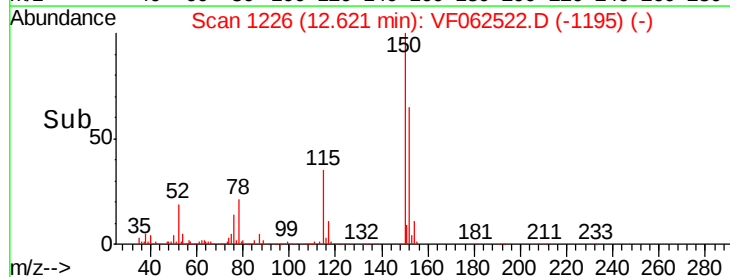
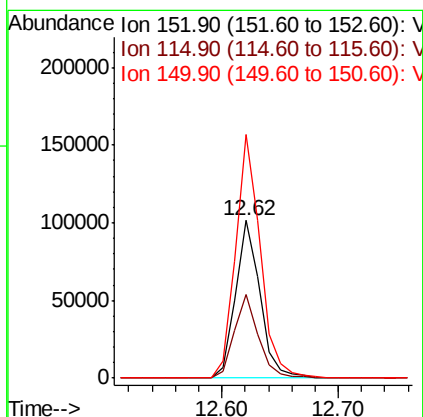
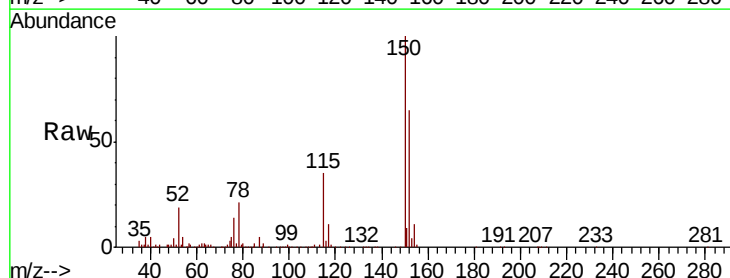
Instrument :
MSVOA_F
ClientSampleId :
P021-SS005-0612-01

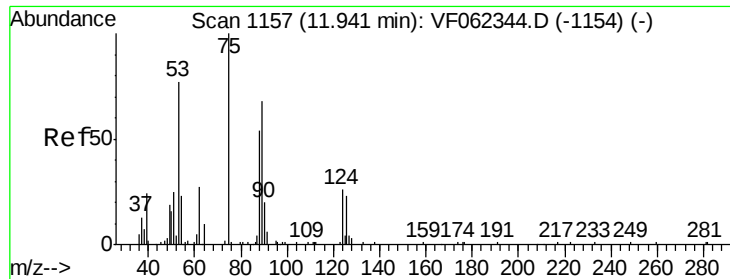
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	42.2	63.2
119	34.3	25.0	37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VF062522.D
Acq: 13 May 2019 1:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.4	26.4	79.2
150	155.2	0.0	335.0





#81

trans-1,4-Dichloro-2-butene

Concen: 1.290 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. 0.02 min

Lab File: VF062522.D

Acq: 13 May 2019 1:32

Instrument :

MSVOA_F

ClientSampleId :

P021-SS005-0612-01

Tot Ion: 75 Resp: 512

Ion Ratio Lower Upper

75 100

53 12.3 71.9 107.9#

89 28.3 0.0 0.0#

