

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091018\
 Data File : VF060241.D
 Acq On : 10 Sep 2018 18:10
 Operator : VA/AP
 Sample : J4803-17
 Misc : 5.93/5mL/MSVOA F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q2-J6

Quant Time: Sep 11 07:17:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 07 10:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	212541	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.77	114	292629	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	311552	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	185184	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	131509	35.42	ug/l	0.00
Spiked Amount			Recovery	=	70.84%	
35) Dibromofluoromethane	4.30	113	21954	7.66	ug/l	0.00
Spiked Amount			Recovery	=	15.32%	
50) Toluene-d8	7.71	98	273260	38.20	ug/l	0.00
Spiked Amount			Recovery	=	76.40%	
62) 4-Bromofluorobenzene	11.51	95	149038	36.92	ug/l	0.00
Spiked Amount			Recovery	=	73.84%	

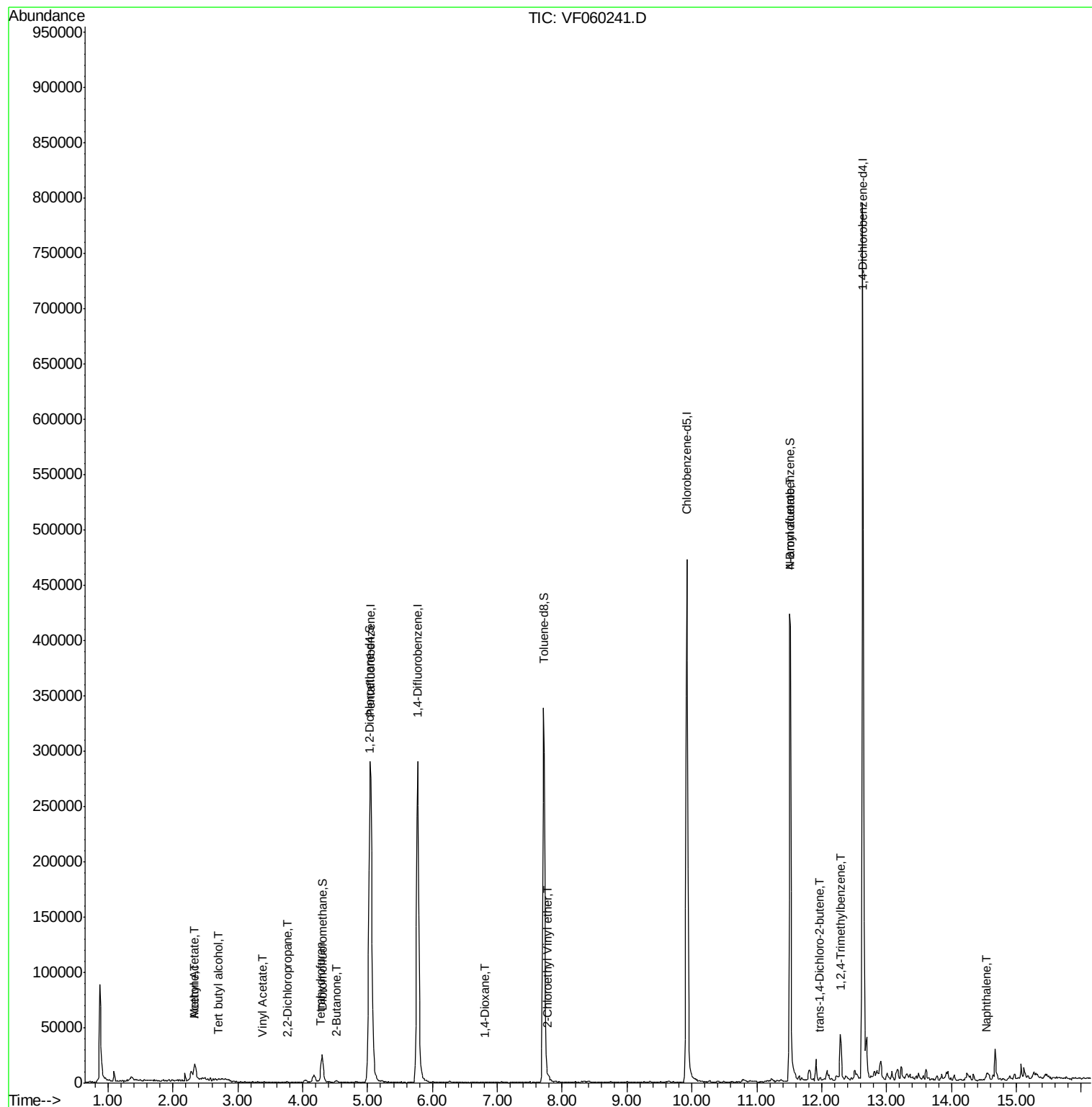
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.71	59	132	13.08	ug/l #	75
13) Acrolein	2.09	56	77	Below Cal	#	23
16) Acetone	2.33	43	25260	34.42	ug/l #	92
18) Methyl Acetate	2.33	43	25260	20.13	ug/l #	64
20) Methylene Chloride	2.28	84	3646	Below Cal		91
23) Vinyl Acetate	3.38	43	155	22.86	ug/l #	82
25) 2-Butanone	4.51	43	3168	3.04	ug/l #	82
26) 2,2-Dichloropropane	3.75	77	92	2.05	ug/l #	64
29) Tetrahydrofuran	4.26	42	473	1.37	ug/l #	75
37) Ethyl Acetate	4.31	43	70	Below Cal	#	17
49) 1,4-Dioxane	6.80	88	69	2.95	ug/l #	15
58) 2-Chloroethyl Vinyl ether	7.78	63	248	1.15	ug/l	100
59) 2-Hexanone	9.66	43	1065	Below Cal	#	34
64) Tetrachloroethene	8.30	164	131	Below Cal	#	16
74) N-amyl acetate	11.50	43	797	5.08	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.96	75	377	3.30	ug/l #	44
84) 1,2,4-Trimethylbenzene	12.29	105	18806	1.64	ug/l	98
95) Naphthalene	14.52	128	1421	2.80	ug/l #	79

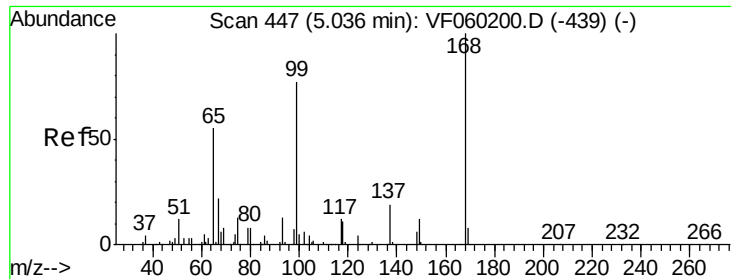
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF091018\
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Quant Title : SW846 8260
QLast Update : Fri Sep 07 10:44:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 448

Delta R.T. 0.02 min

Lab File: VF060241.D

Acq: 10 Sep 2018 18:10

Instrument :

MSVOA_F

ClientSampleId :

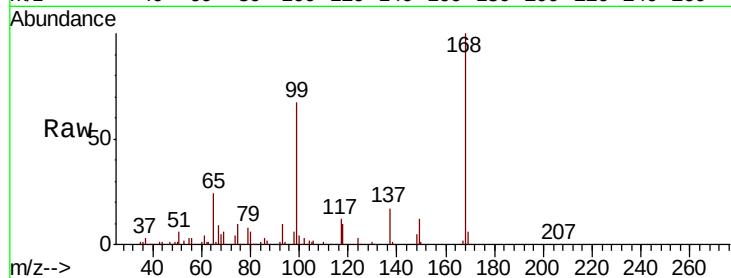
EP1-Q2-J6

Tot Ion:168 Resp: 212541

Ion Ratio Lower Upper

168 100

99 67.1 61.8 92.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

80000

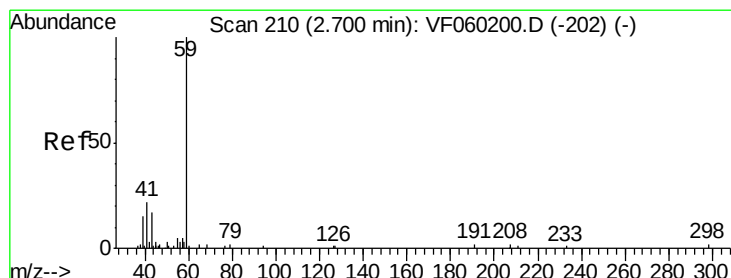
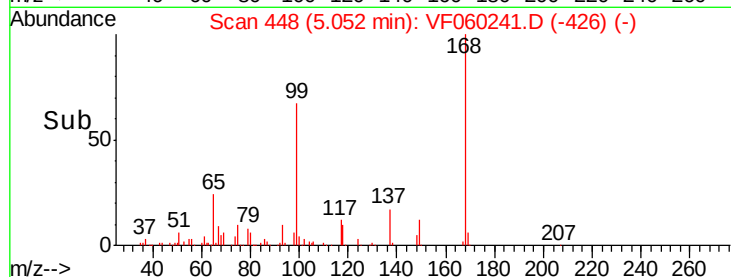
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 13.08 ug/l

RT: 2.71 min Scan# 210

Delta R.T. 0.01 min

Lab File: VF060241.D

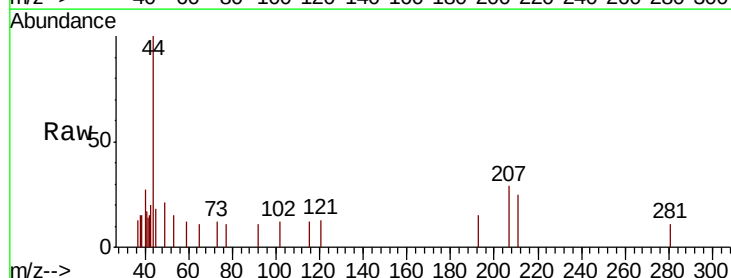
Acq: 10 Sep 2018 18:10

Tgt Ion: 59 Resp: 132

Ion Ratio Lower Upper

59 100

57 0.0 7.2 10.8#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.71

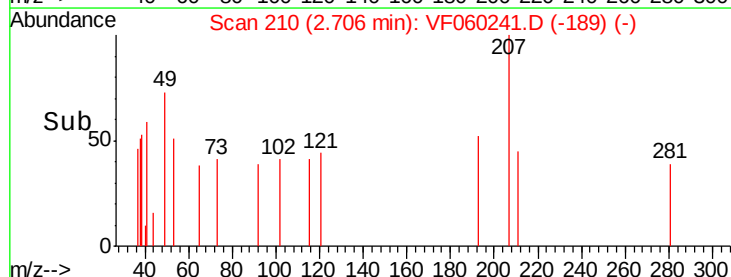
150

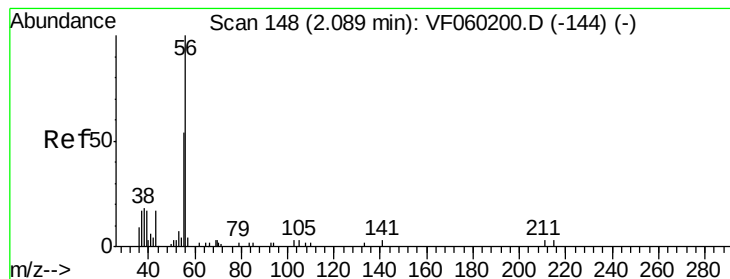
100

50

0

Time-->





#13

Acrolein

Concen: Below Cal

RT: 2.09 min Scan# 148

Delta R.T. 0.01 min

Lab File: VF060241.D

Acq: 10 Sep 2018 18:10

Instrument :

MSVOA_F

ClientSampled :

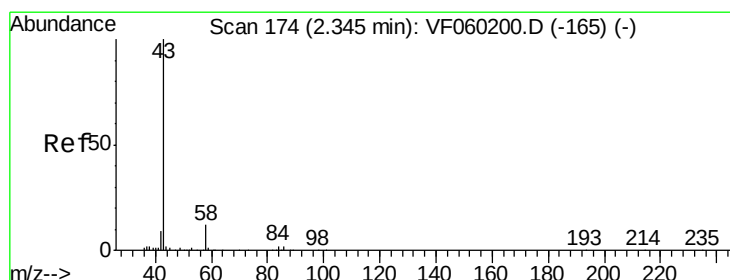
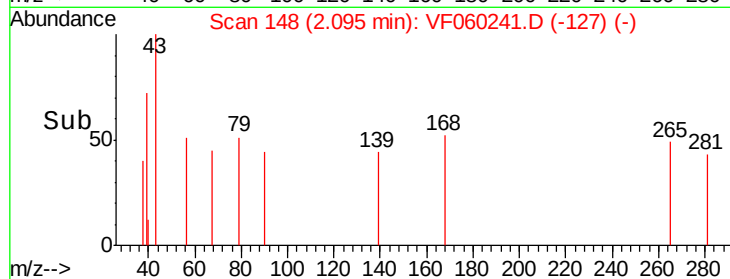
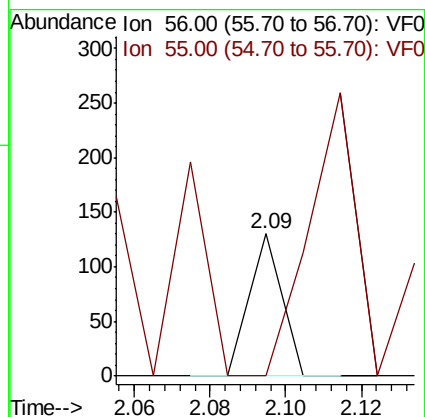
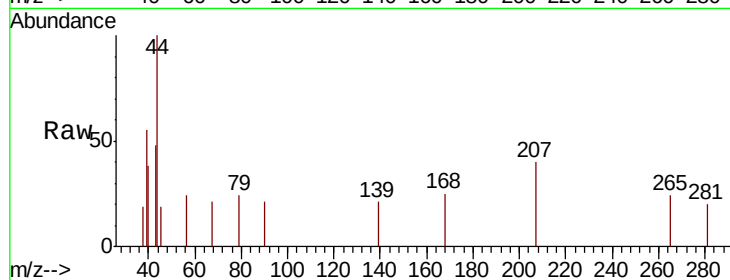
EP1-Q2-J6

Tot Ion: 56 Resp: 77

Ion Ratio Lower Upper

56 100

55 0.0 45.1 67.7#



#16

Acetone

Concen: 34.42 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF060241.D

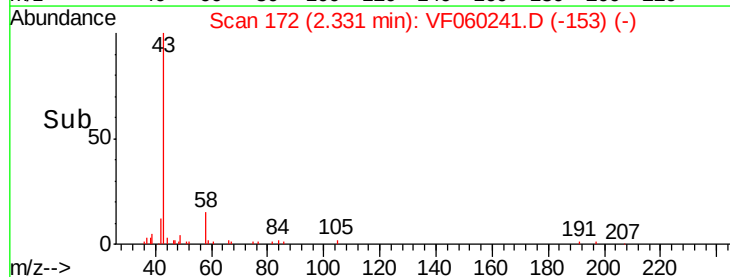
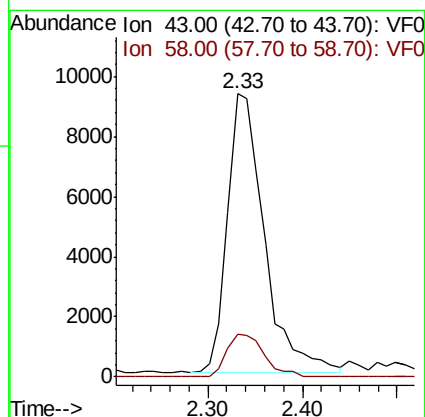
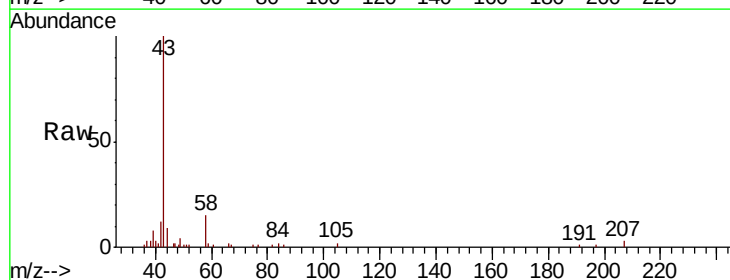
Acq: 10 Sep 2018 18:10

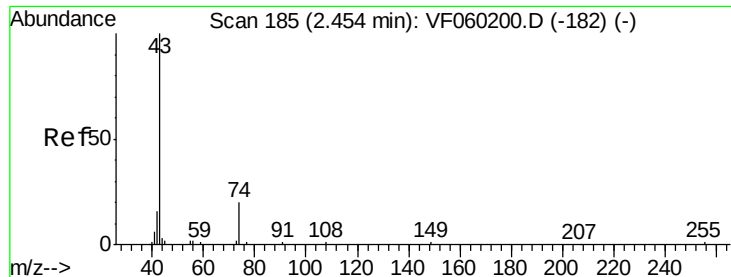
Tgt Ion: 43 Resp: 25260

Ion Ratio Lower Upper

43 100

58 15.2 9.7 14.5#





#18

Methyl Acetate

Concen: 20.13 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.12 min

Lab File: VF060241.D

Acq: 10 Sep 2018 18:10

Instrument :

MSVOA_F

ClientSampleID :

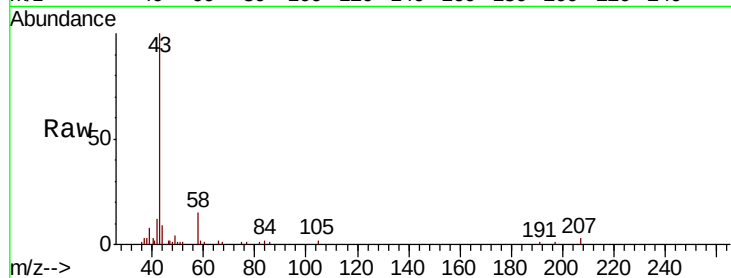
EP1-Q2-J6

Tot Ion: 43 Resp: 25260

Ion Ratio Lower Upper

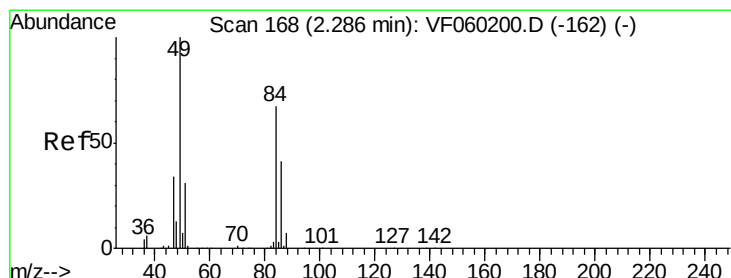
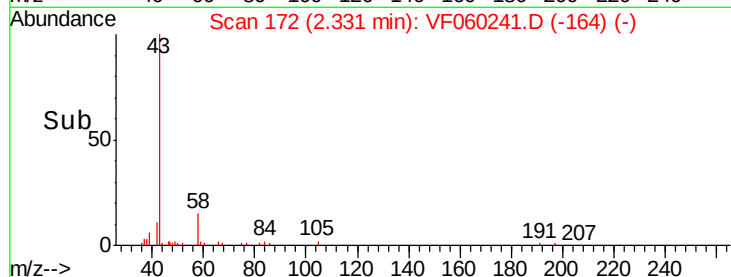
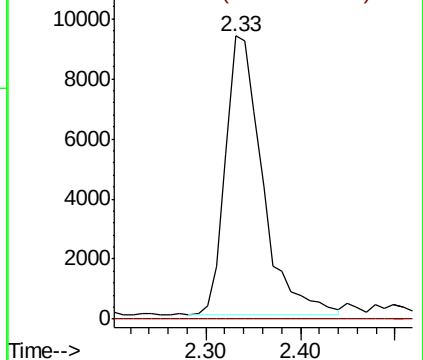
43 100

74 0.0 11.9 17.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.28 min Scan# 167

Delta R.T. -0.00 min

Lab File: VF060241.D

Acq: 10 Sep 2018 18:10

Tgt Ion: 84 Resp: 3646

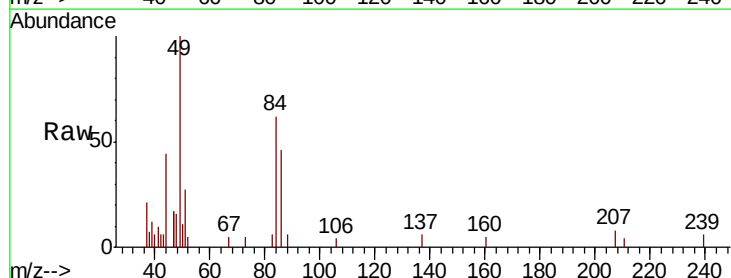
Ion Ratio Lower Upper

84 100

49 160.0 120.1 180.1

51 43.3 37.0 55.6

86 73.2 49.0 73.6

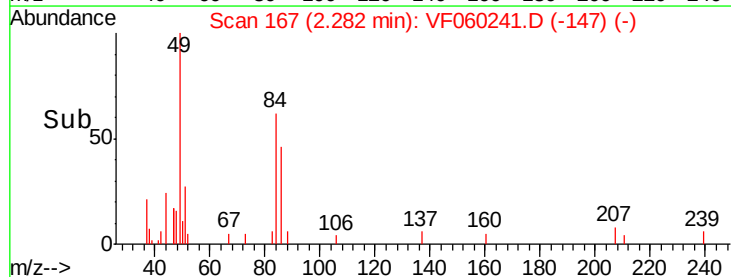
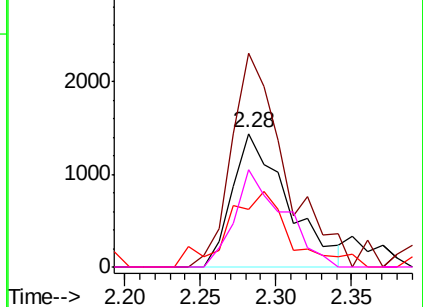


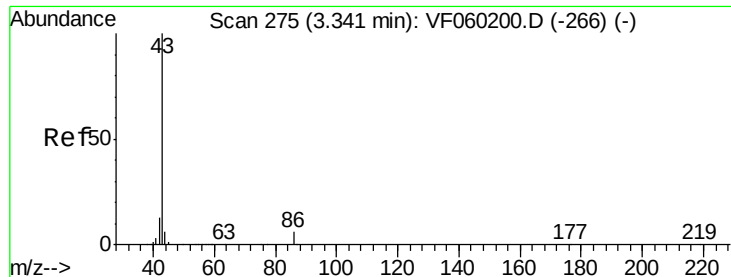
Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#23

Vinyl Acetate

Concen: 22.86 ug/l

RT: 3.38 min Scan# 278

Delta R.T. 0.04 min

Lab File: VF060241.D

Acq: 10 Sep 2018 18:10

Instrument :

MSVOA_F

ClientSampleId :

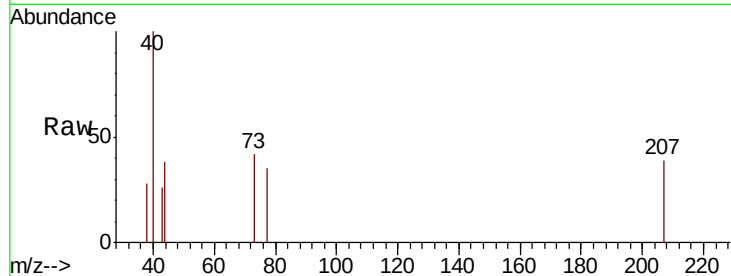
EP1-Q2-J6

Tot Ion: 43 Resp: 155

Ion Ratio Lower Upper

43 100

86 0.0 4.8 7.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.38

250

200

150

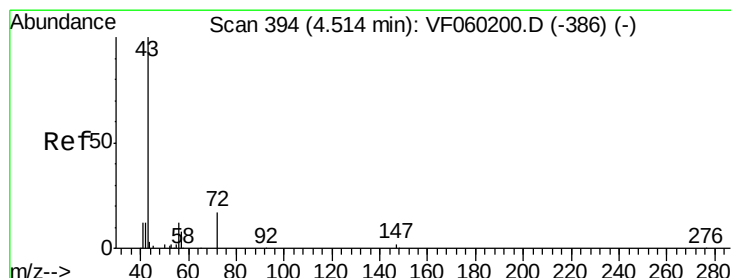
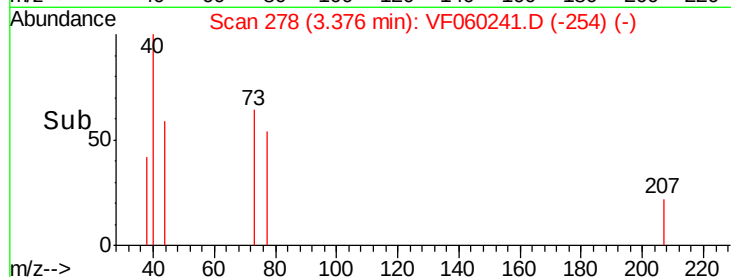
100

50

0

3.34 3.36 3.38 3.40

Time-->



#25

2-Butanone

Concen: 3.04 ug/l

RT: 4.51 min Scan# 393

Delta R.T. -0.00 min

Lab File: VF060241.D

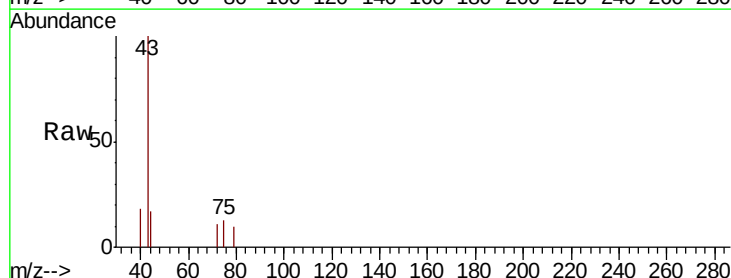
Acq: 10 Sep 2018 18:10

Tgt Ion: 43 Resp: 3168

Ion Ratio Lower Upper

43 100

72 10.5 14.8 22.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

4.51

1000

800

600

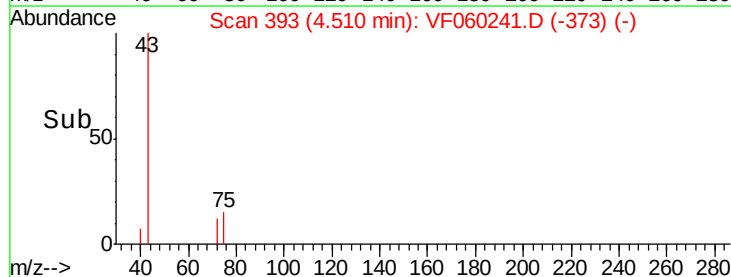
400

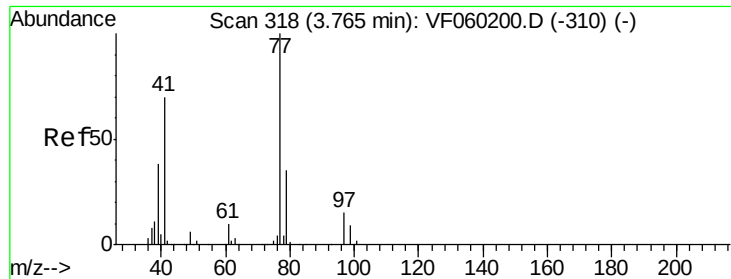
200

0

4.40 4.45 4.50 4.55 4.60

Time-->

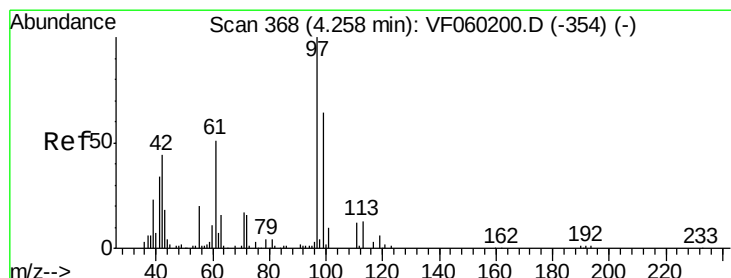
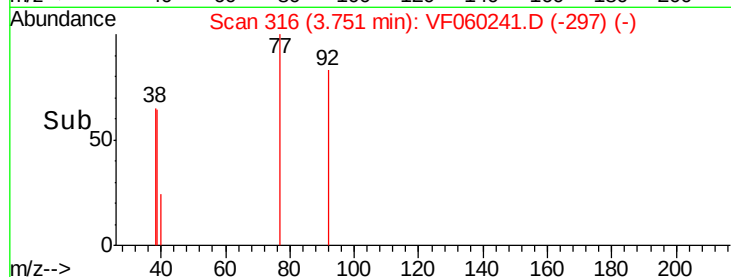
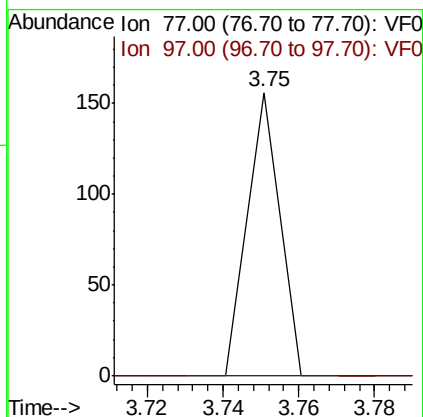
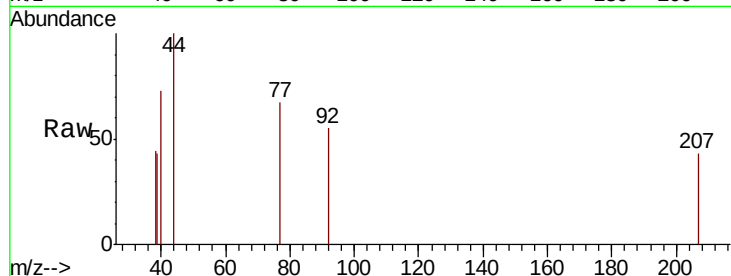




#26
2,2-Dichloropropane
Concen: 2.05 ug/l
RT: 3.75 min Scan# 316
Delta R.T. -0.01 min
Lab File: VF060241.D
Acq: 10 Sep 2018 18:10

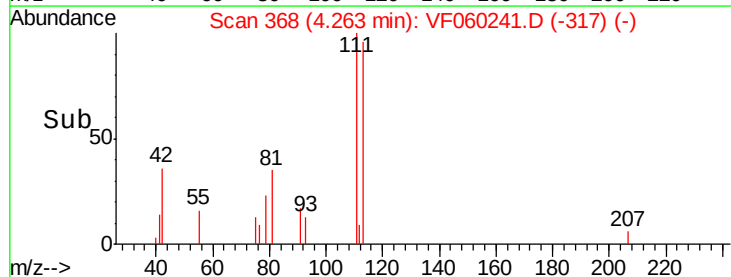
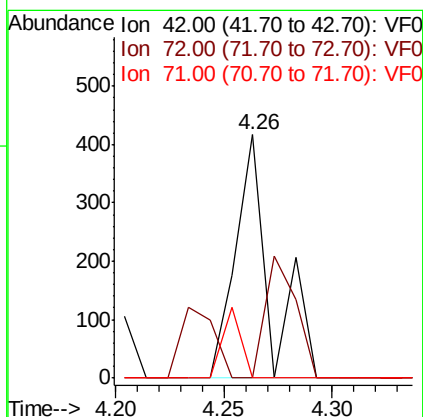
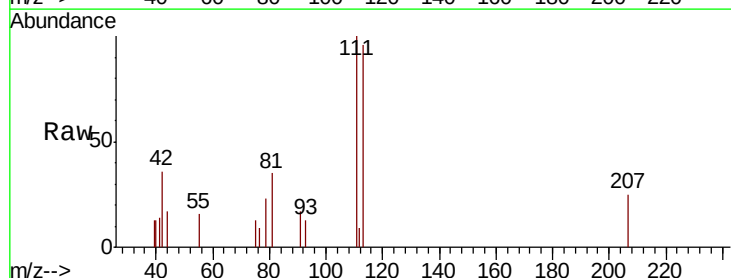
Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-J6

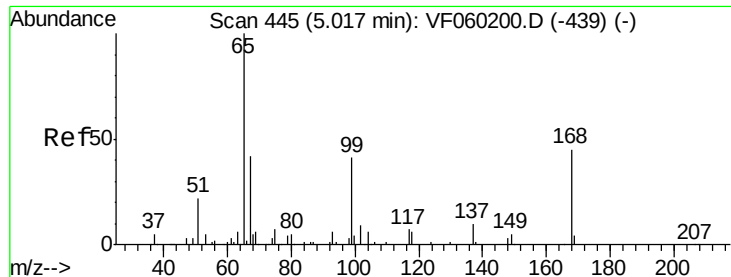
Tot Ion: 77 Resp: 92
Ion Ratio Lower Upper
77 100
97 0.0 7.5 22.5#



#29
Tetrahydrofuran
Concen: 1.37 ug/l
RT: 4.26 min Scan# 368
Delta R.T. 0.01 min
Lab File: VF060241.D
Acq: 10 Sep 2018 18:10

Tgt Ion: 42 Resp: 473
Ion Ratio Lower Upper
42 100
72 42.9 27.4 41.0#
71 15.2 28.5 42.7#

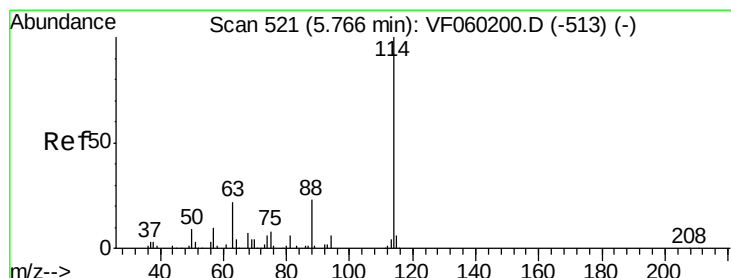
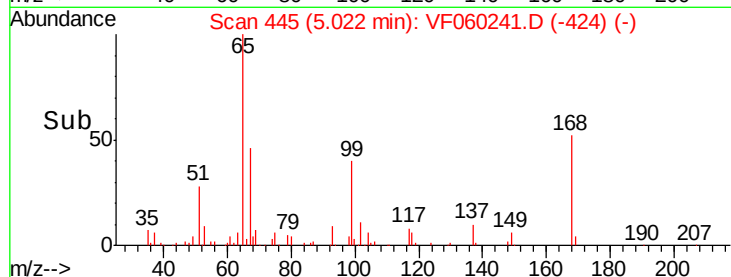
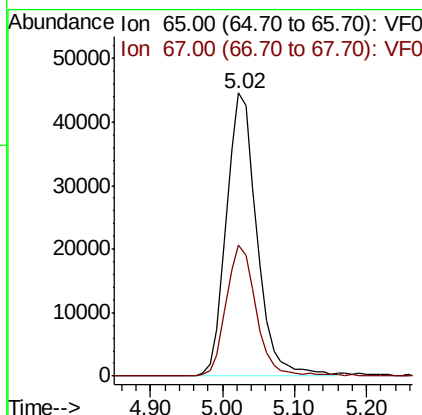
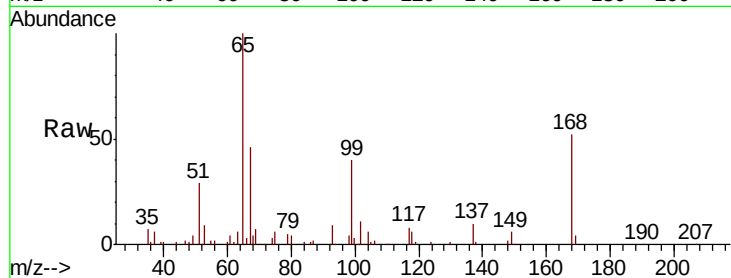




#33
 1,2-Dichloroethane-d4
 Concen: 35.42 ug/l
 RT: 5.02 min Scan# 445
 Delta R.T. 0.01 min
 Lab File: VF060241.D
 Acq: 10 Sep 2018 18:10

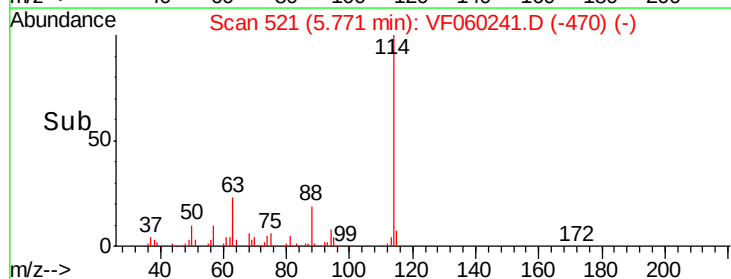
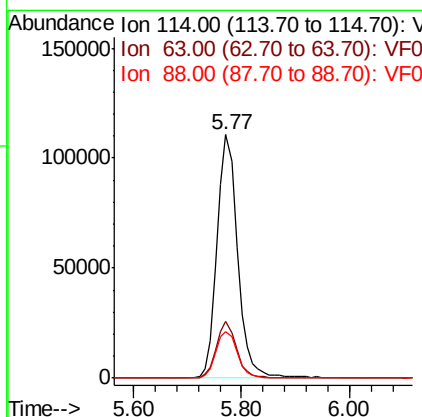
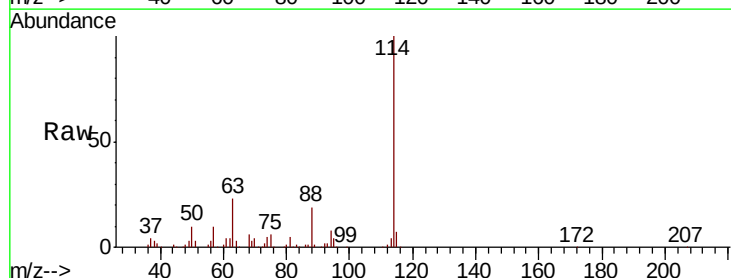
Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q2-J6

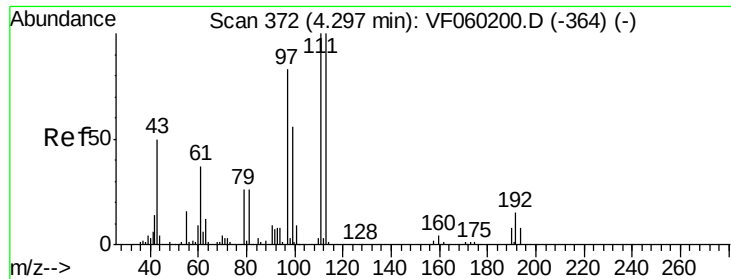
Tot Ion: 65 Resp: 131509
 Ion Ratio Lower Upper
 65 100
 67 46.4 0.0 87.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.77 min Scan# 521
 Delta R.T. 0.01 min
 Lab File: VF060241.D
 Acq: 10 Sep 2018 18:10

Tgt Ion: 114 Resp: 292629
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 45.6
 88 18.9 0.0 46.4

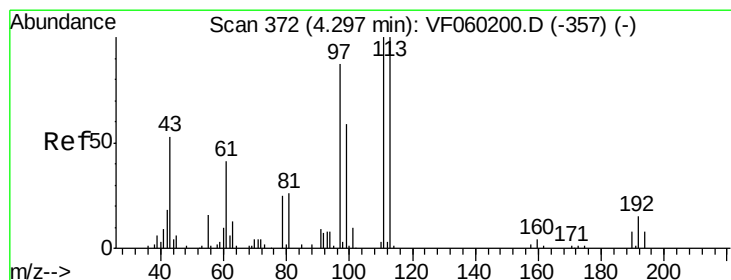
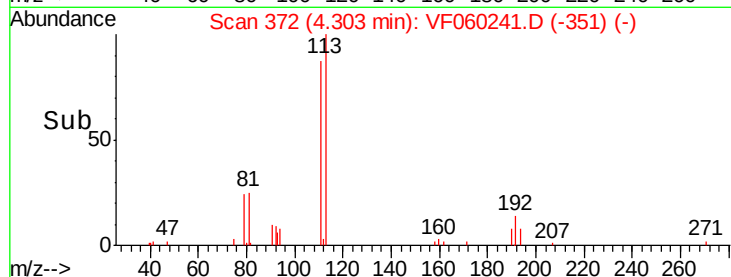
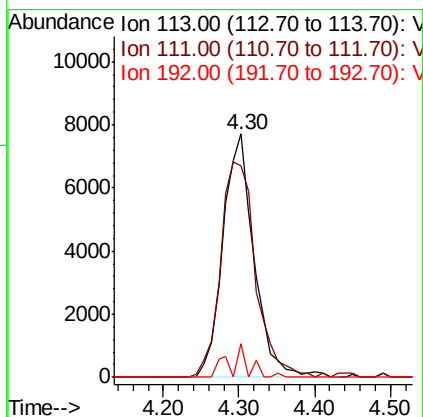
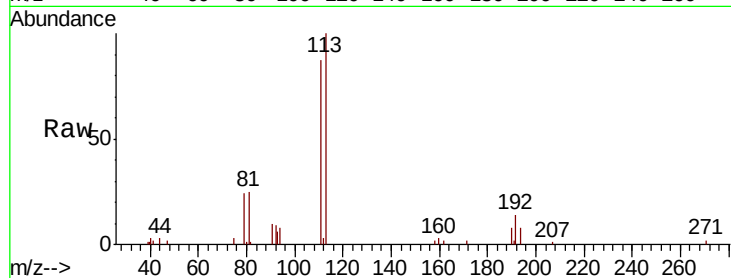




#35
 Dibromofluoromethane
 Concen: 7.66 ug/l
 RT: 4.30 min Scan# 372
 Delta R.T. 0.01 min
 Lab File: VF060241.D
 Acq: 10 Sep 2018 18:10

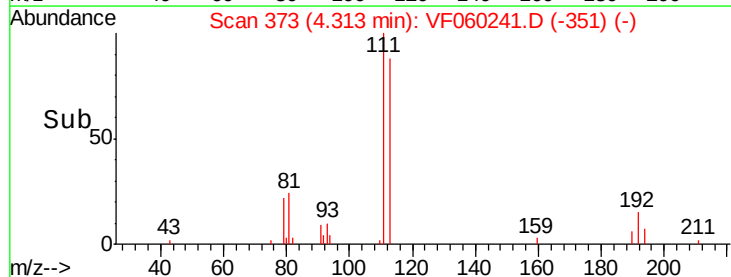
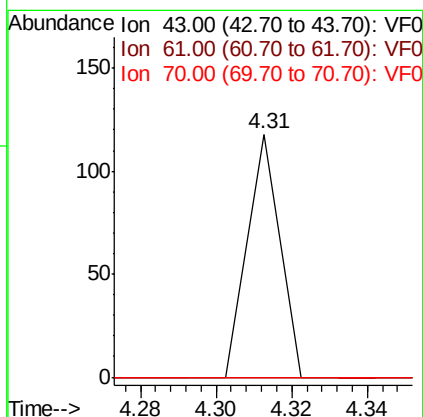
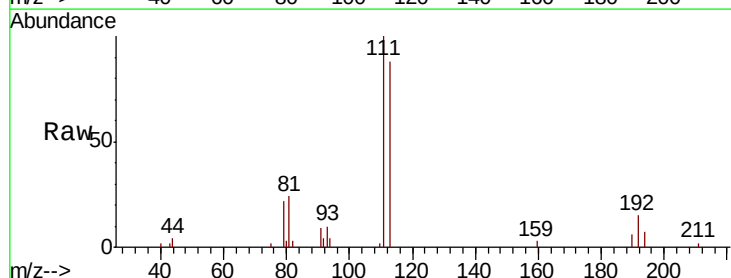
Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q2-J6

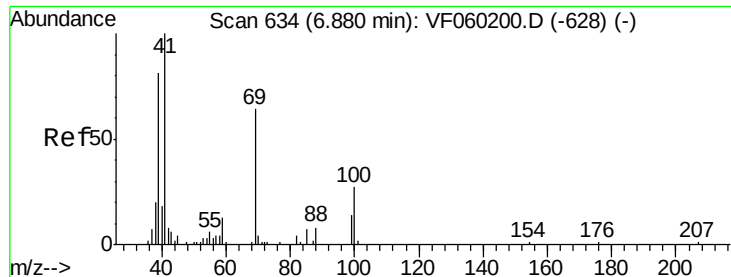
Tot Ion:113 Resp: 21954
 Ion Ratio Lower Upper
 113 100
 111 87.0 80.2 120.2
 192 13.8 11.8 17.8



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 4.31 min Scan# 373
 Delta R.T. 0.02 min
 Lab File: VF060241.D
 Acq: 10 Sep 2018 18:10

Tgt Ion: 43 Resp: 70
 Ion Ratio Lower Upper
 43 100
 61 0.0 61.6 92.4#
 70 0.0 6.9 10.3#

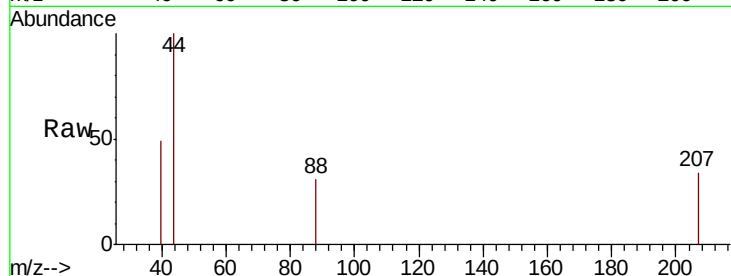




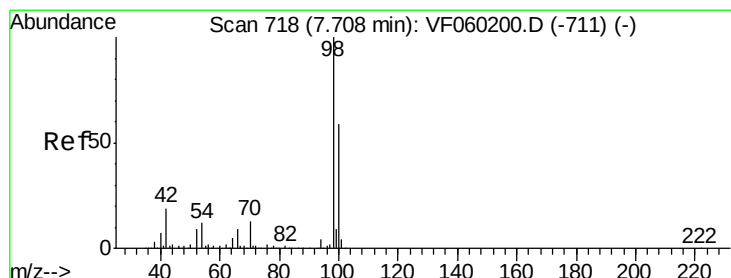
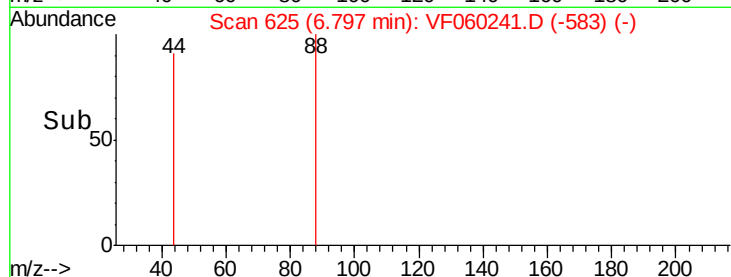
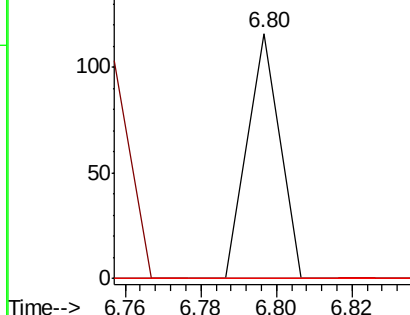
#49
1,4-Dioxane
Concen: 2.95 ug/l
RT: 6.80 min Scan# 625
Delta R.T. -0.08 min
Lab File: VF060241.D
Acq: 10 Sep 2018 18:10

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-J6

Tot Ion: 88 Resp: 69
Ion Ratio Lower Upper
88 100
43 0.0 68.1 102.1#
58 0.0 38.1 57.1#

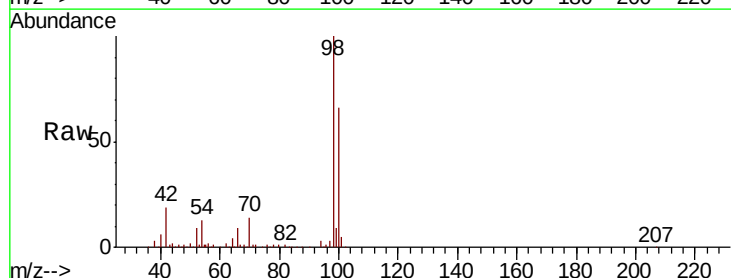


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

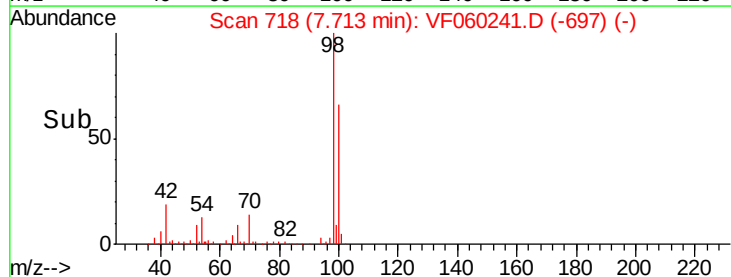
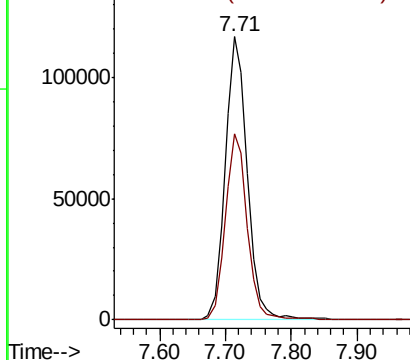


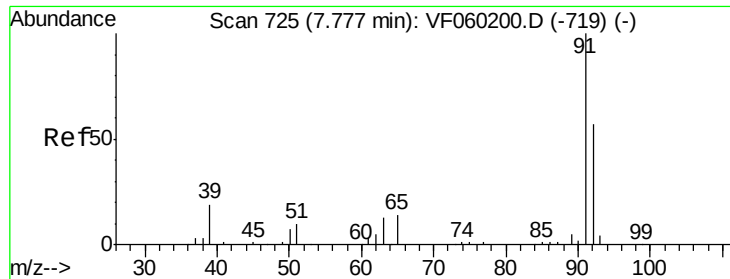
#50
Toluene-d8
Concen: 38.20 ug/l
RT: 7.71 min Scan# 718
Delta R.T. 0.01 min
Lab File: VF060241.D
Acq: 10 Sep 2018 18:10

Tgt Ion: 98 Resp: 273260
Ion Ratio Lower Upper
98 100
100 65.7 47.4 71.0



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

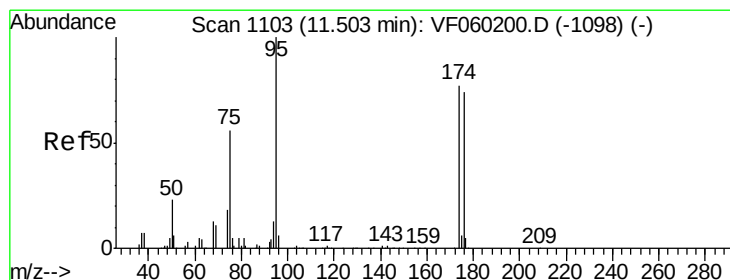
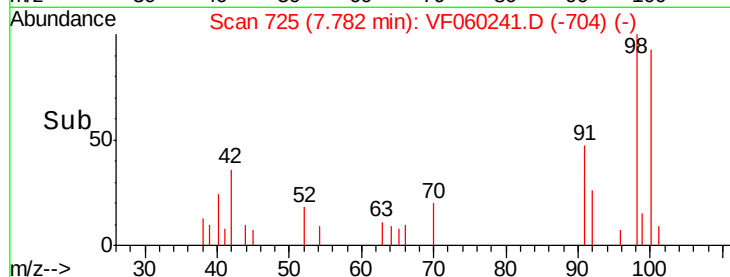
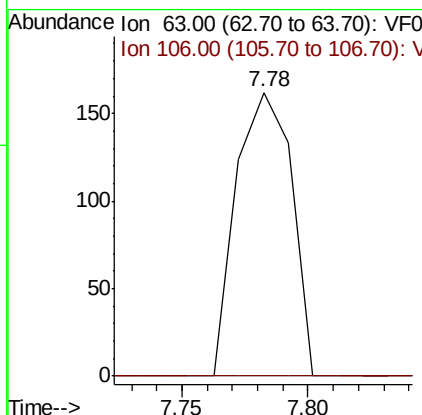
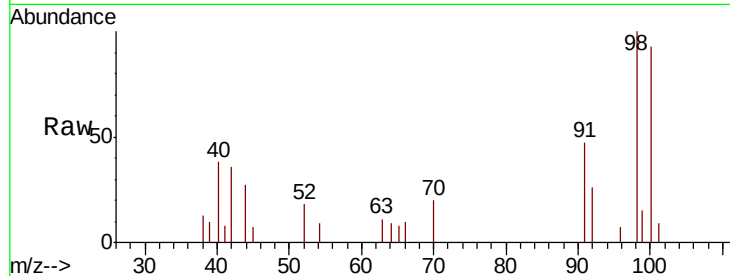




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.15 ug/l
 RT: 7.78 min Scan# 725
 Delta R.T. 0.01 min
 Lab File: VF060241.D
 Acq: 10 Sep 2018 18:10

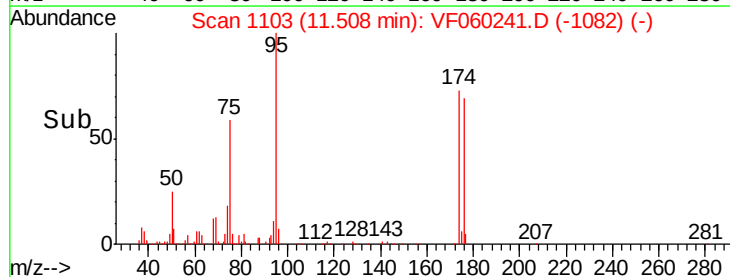
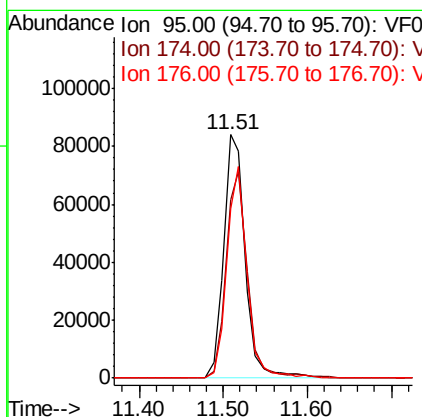
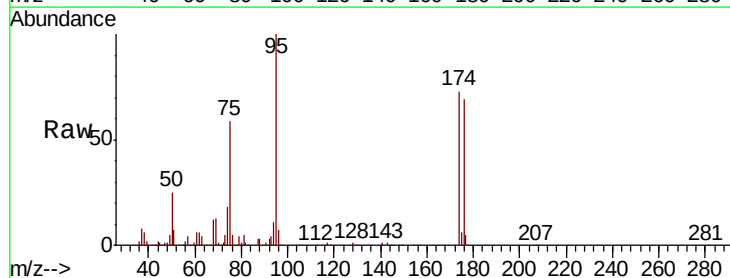
Instrument :
 MSVOA_F
 ClientSampled :
 EP1-Q2-J6

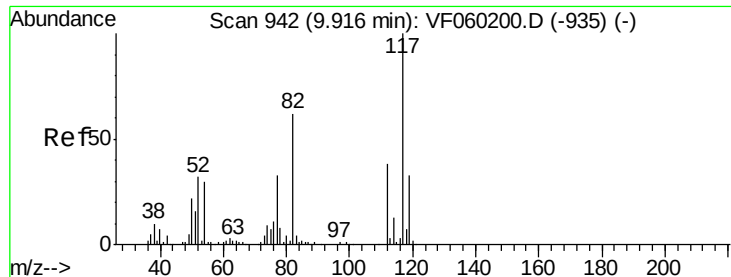
Tot Ion: 63 Resp: 248
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#62
 4-Bromofluorobenzene
 Concen: 36.92 ug/l
 RT: 11.51 min Scan# 1103
 Delta R.T. 0.01 min
 Lab File: VF060241.D
 Acq: 10 Sep 2018 18:10

Tgt Ion: 95 Resp: 149038
 Ion Ratio Lower Upper
 95 100
 174 73.0 0.0 153.2
 176 69.5 0.0 147.2

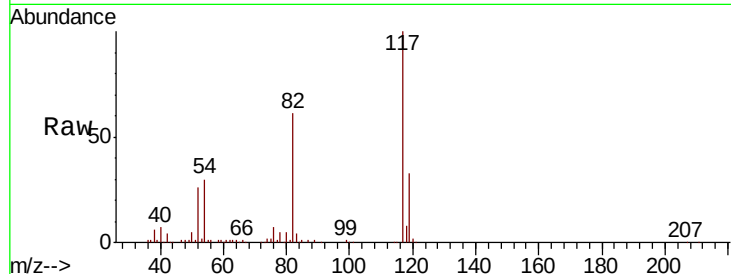




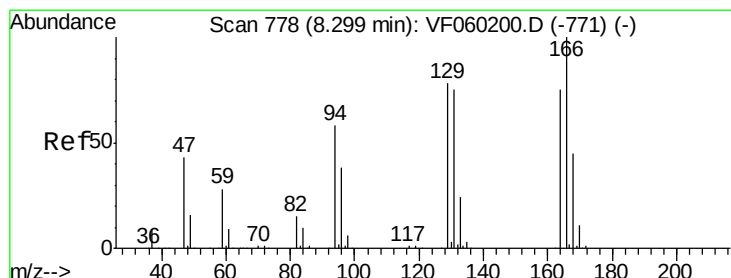
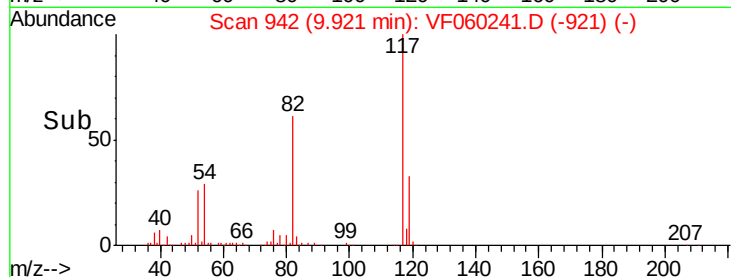
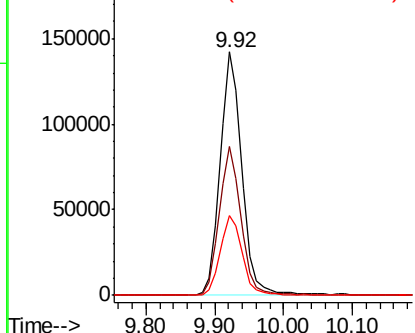
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 942
Delta R.T. 0.01 min
Lab File: VF060241.D
Acq: 10 Sep 2018 18:10

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-J6

Tot Ion:117 Resp: 311552
Ion Ratio Lower Upper
117 100
82 61.2 49.3 73.9
119 32.7 26.5 39.7

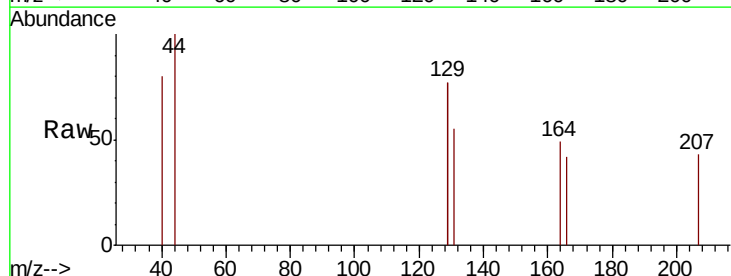


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

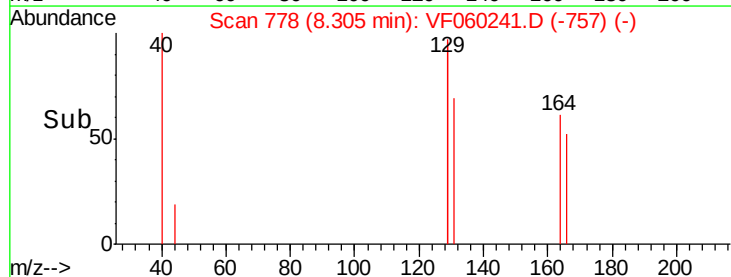
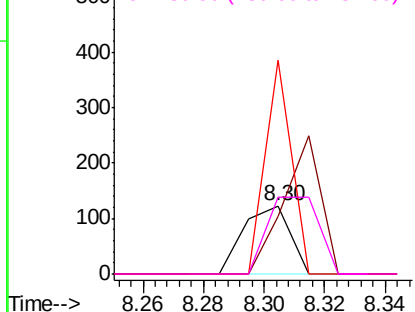


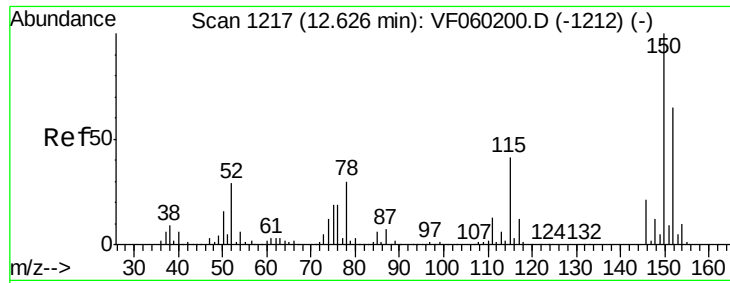
#64
Tetrachloroethene
Concen: Below Cal
RT: 8.30 min Scan# 778
Delta R.T. 0.01 min
Lab File: VF060241.D
Acq: 10 Sep 2018 18:10

Tgt Ion:164 Resp: 131
Ion Ratio Lower Upper
164 100
166 85.2 107.0 160.4#
129 315.6 83.0 124.6#
131 113.1 79.8 119.8



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

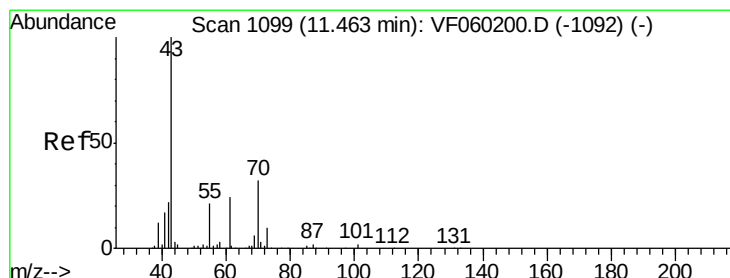
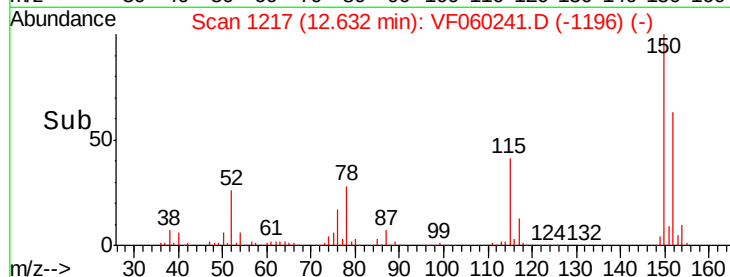
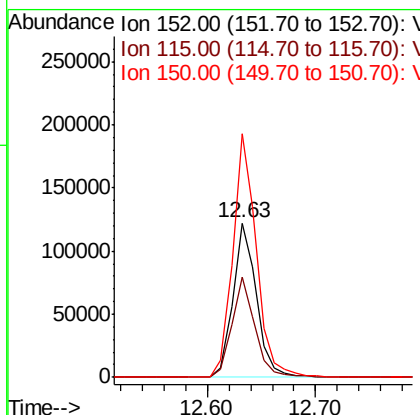
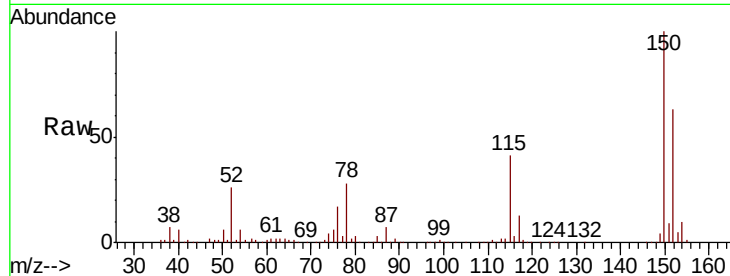




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.63 min Scan# 1217
 Delta R.T. 0.01 min
 Lab File: VF060241.D
 Acq: 10 Sep 2018 18:10

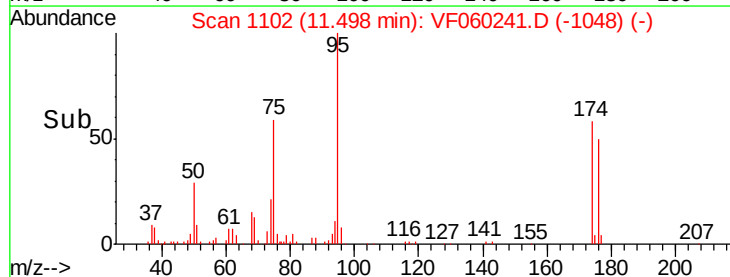
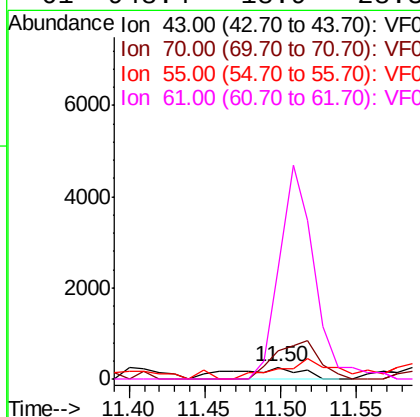
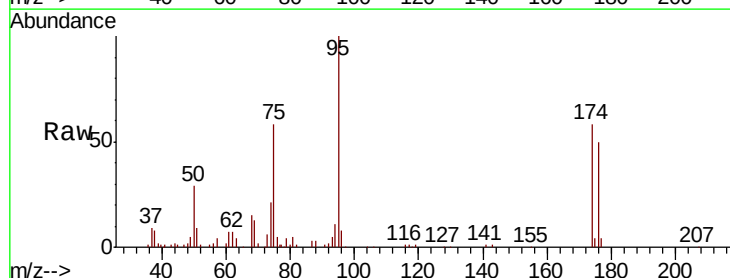
Instrument :
 MSVOA_F
 ClientSampled :
 EP1-Q2-J6

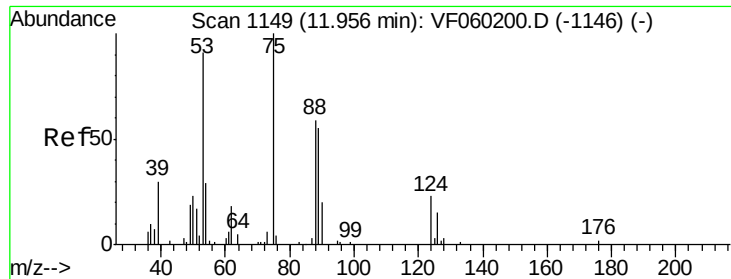
Tot Ion:152 Resp: 185184
 Ion Ratio Lower Upper
 152 100
 115 65.2 31.5 94.5
 150 157.6 0.0 310.4



#74
 N-amil acetate
 Concen: 5.08 ug/l
 RT: 11.50 min Scan# 1102
 Delta R.T. 0.04 min
 Lab File: VF060241.D
 Acq: 10 Sep 2018 18:10

Tgt Ion: 43 Resp: 797
 Ion Ratio Lower Upper
 43 100
 70 242.5 25.8 38.6#
 55 90.9 16.8 25.2#
 61 948.4 18.9 28.3#

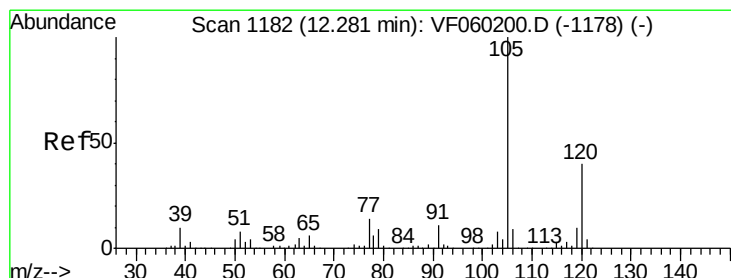
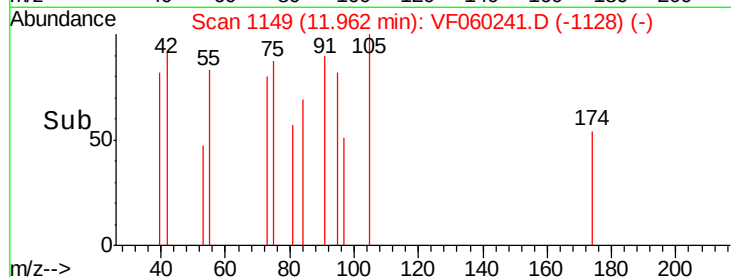
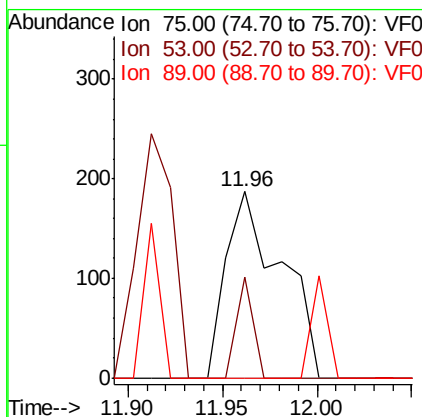
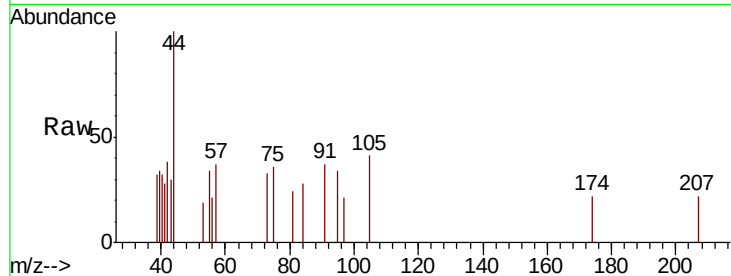




#81
trans-1,4-Dichloro-2-butene
Concen: 3.30 ug/l
RT: 11.96 min Scan# 1149
Delta R.T. 0.01 min
Lab File: VF060241.D
Acq: 10 Sep 2018 18:10

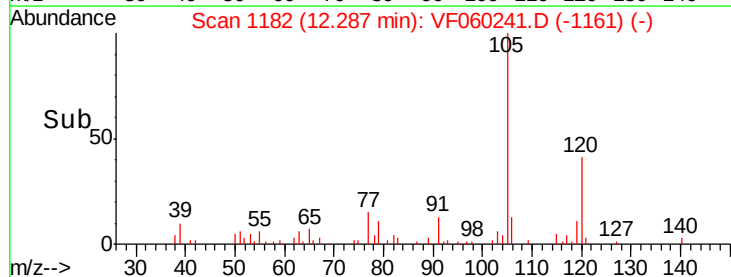
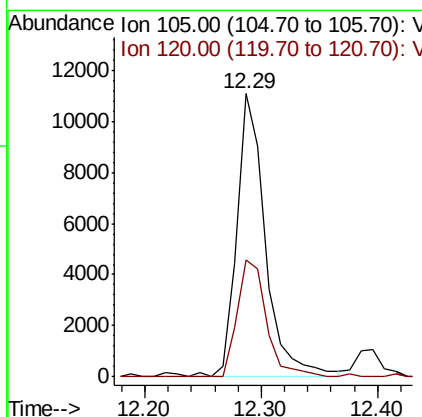
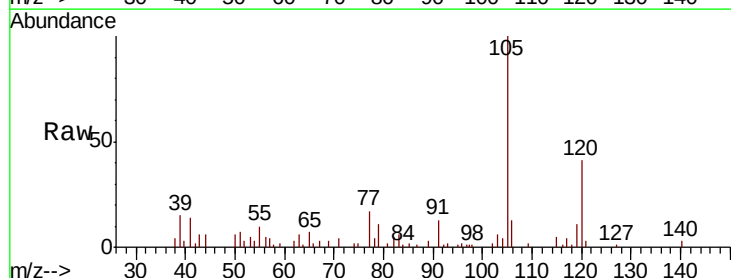
Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-J6

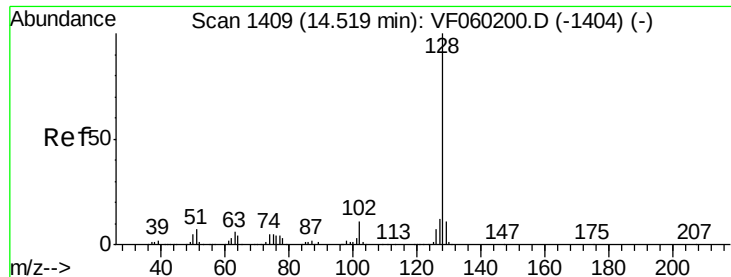
Tot Ion: 75 Resp: 377
Ion Ratio Lower Upper
75 100
53 54.0 76.5 114.7#
89 0.0 46.5 69.7#



#84
1,2,4-Trimethylbenzene
Concen: 1.64 ug/l
RT: 12.29 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VF060241.D
Acq: 10 Sep 2018 18:10

Tgt Ion: 105 Resp: 18806
Ion Ratio Lower Upper
105 100
120 41.3 20.2 60.5

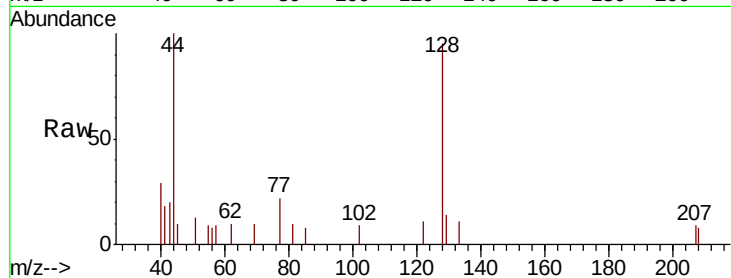




#95
 Naphthalene
 Concen: 2.80 ug/l
 RT: 14.52 min Scan# 1409
 Delta R.T. 0.01 min
 Lab File: VF060241.D
 Acq: 10 Sep 2018 18:10

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q2-J6

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	9.9	14.9#
129	14.6	8.9	13.3#



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

