

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082818\
 Data File : VF060155.D
 Acq On : 28 Aug 2018 17:40
 Operator : VA/AP
 Sample : J4646-05MSD
 Misc : 5.18g/5mL/MSVOA F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q4-A7MSD

Quant Time: Aug 29 01:16:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	99691	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	132381	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	141733	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	81972	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	49695	36.42	ug/l	-0.02
Spiked Amount			Recovery	=	72.84%	
35) Dibromofluoromethane	4.28	113	56020	53.89	ug/l	-0.02
Spiked Amount			Recovery	=	107.78%	
50) Toluene-d8	7.70	98	161332	54.65	ug/l	-0.02
Spiked Amount			Recovery	=	109.30%	
62) 4-Bromofluorobenzene	11.50	95	84401	54.04	ug/l	-0.01
Spiked Amount			Recovery	=	108.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	87458	66.64	ug/l	94
3) Chloromethane	1.06	50	42473	49.85	ug/l	91
4) Vinyl Chloride	1.12	62	35958	44.13	ug/l	98
5) Bromomethane	1.31	94	26965	43.55	ug/l	97
6) Chloroethane	1.39	64	19356	60.26	ug/l	94
7) Trichlorofluoromethane	1.48	101	137598	83.97	ug/l	96
8) Diethyl Ether	1.70	74	7830	26.73	ug/l	65
9) 1,1,2-Trichlorotrifluoroet	1.85	101	54528	63.39	ug/l #	92
10) Methyl Iodide	1.92	142	59122	51.99	ug/l	95
11) Tert butyl alcohol	2.65	59	8444	116.33	ug/l #	96
12) 1,1-Dichloroethene	1.82	96	32668	51.55	ug/l	93
13) Acrolein	2.08	56	3723	101.44	ug/l #	70
14) Allyl chloride	2.18	41	62653	55.67	ug/l	96
15) Acrylonitrile	3.06	53	19164	133.79	ug/l	97
16) Acetone	2.33	43	46314	129.16	ug/l	99
17) Carbon Disulfide	1.83	76	83977	42.32	ug/l	96
18) Methyl Acetate	2.44	43	27066	43.67	ug/l	99
19) Methyl tert-butyl Ether	2.52	73	66546	32.78	ug/l	95
20) Methylene Chloride	2.28	84	46145	67.10	ug/l #	85
21) trans-1,2-Dichloroethene	2.41	96	43581	61.46	ug/l	92
22) Diisopropyl ether	2.91	45	99672	39.55	ug/l #	90
23) Vinyl Acetate	3.31	43	84801	63.51	ug/l	99
24) 1,1-Dichloroethane	3.00	63	96749	62.14	ug/l	97
25) 2-Butanone	4.48	43	33993	72.98	ug/l #	84
26) 2,2-Dichloropropane	3.76	77	92513	57.43	ug/l	92
27) cis-1,2-Dichloroethene	3.62	96	41600	41.40	ug/l	95
28) Bromochloromethane	3.87	49	25732	39.15	ug/l	86
29) Tetrahydrofuran	4.23	42	18316	104.15	ug/l	98
30) Chloroform	4.02	83	104350	47.75	ug/l	84
31) Cyclohexane	3.85	56	51339	43.28	ug/l	94
32) 1,1,1-Trichloroethane	4.27	97	117943	63.02	ug/l	95
36) 1,1-Dichloropropene	4.45	75	70794	56.91	ug/l	95
37) Ethyl Acetate	4.25	43	17062	22.93	ug/l #	1
38) Carbon Tetrachloride	4.16	117	102103	70.88	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	56162	48.15	ug/l	89
40) Benzene	4.80	78	126781	46.65	ug/l	97
41) Methacrylonitrile	4.91	41	8594	22.84	ug/l	95
42) 1,2-Dichloroethane	5.10	62	59042	40.52	ug/l	98
43) Isopropyl Acetate	7.10	43	18530	19.79	ug/l #	91
44) Trichloroethene	5.67	130	46310	51.55	ug/l	99
45) 1,2-Dichloropropane	6.39	63	32508	42.29	ug/l	94
46) Dibromomethane	6.24	93	21551	35.83	ug/l	95
47) Bromodichloromethane	6.54	83	69956	48.15	ug/l #	99
48) Methyl methacrylate	6.86	41	17348	28.00	ug/l	99
49) 1,4-Dioxane	6.84	88	2334	392.37	ug/l #	76
51) 4-Methyl-2-Pentanone	8.39	43	116528	144.10	ug/l	98
52) Toluene	7.77	92	128353	75.97	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	51162	38.83	ug/l	98
54) cis-1,3-Dichloropropene	7.44	75	57426	39.05	ug/l	94
55) 1,1,2-Trichloroethane	8.64	97	25249	34.43	ug/l	95
56) Ethyl methacrylate	8.74	69	23881	26.91	ug/l #	91
57) 1,3-Dichloropropane	8.99	76	40797	31.65	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.77	63	24931	353.87	ug/l	100
59) 2-Hexanone	9.62	43	91623	139.99	ug/l	100
60) Dibromochloromethane	8.85	129	41960	38.76	ug/l	94
61) 1,2-Dibromoethane	9.13	107	27430	31.85	ug/l	98
64) Tetrachloroethene	8.30	164	51962	54.42	ug/l	98
65) Chlorobenzene	9.94	112	139178	52.00	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	48301	47.58	ug/l	95
67) Ethyl Benzene	10.04	91	272813	59.08	ug/l	100
68) m/p-Xylenes	10.26	106	190345	129.14	ug/l	94
69) o-Xylene	10.82	106	99794	55.16	ug/l	94
70) Styrene	10.89	104	137311	49.47	ug/l	96
71) Bromoform	10.88	173	24474	34.56	ug/l	95
73) Isopropylbenzene	11.22	105	347769	70.48	ug/l	98
74) N-amyl acetate	11.45	43	35379	23.07	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.78	83	36804	34.15	ug/l	91
76) 1,2,3-Trichloropropane	11.88	75	30158	36.09	ug/l	96
77) Bromobenzene	11.59	156	65812	49.04	ug/l	98
78) n-propylbenzene	11.68	91	404491	66.42	ug/l	98
79) 2-Chlorotoluene	11.81	91	216346	60.41	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	276083	64.22	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	9185	24.02	ug/l #	88
82) 4-Chlorotoluene	11.99	91	227542	58.53	ug/l	97
83) tert-Butylbenzene	12.21	119	279680	66.71	ug/l	92
84) 1,2,4-Trimethylbenzene	12.28	105	265431	58.08	ug/l	92
85) sec-Butylbenzene	12.38	105	373750	64.03	ug/l	97
86) p-Isopropyltoluene	12.54	119	302065	62.38	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	134428	54.18	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	130379	52.88	ug/l	99
89) n-Butylbenzene	12.91	91	258823	55.01	ug/l	97
90) Hexachloroethane	12.99	117	67951	62.44	ug/l	90
91) 1,2-Dichlorobenzene	13.01	146	121510	50.92	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	7763	35.25	ug/l	83

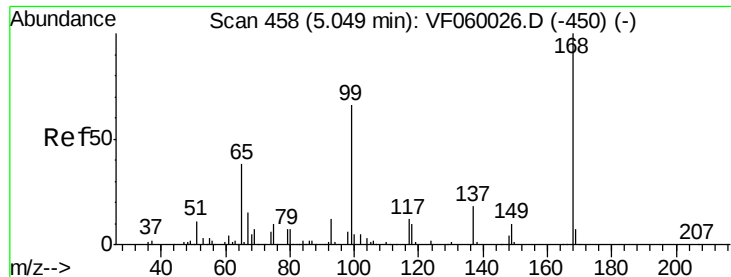
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	64462	36.69	ug/l	94
94) Hexachlorobutadiene	14.25	225	51682	47.26	ug/l	96
95) Naphthalene	14.52	128	68051	23.59	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	51927	30.97	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

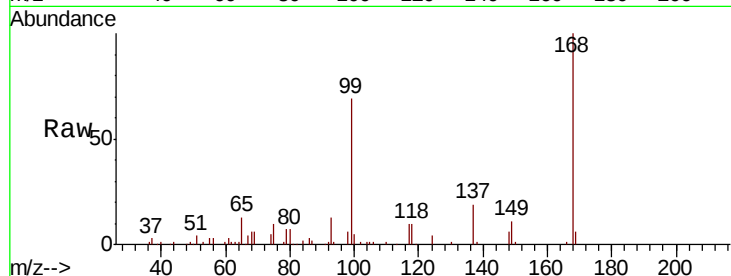
EP1-Q4-A7MSD

Tot Ion:168 Resp: 99691

Ion Ratio Lower Upper

168 100

99 69.3 52.6 79.0

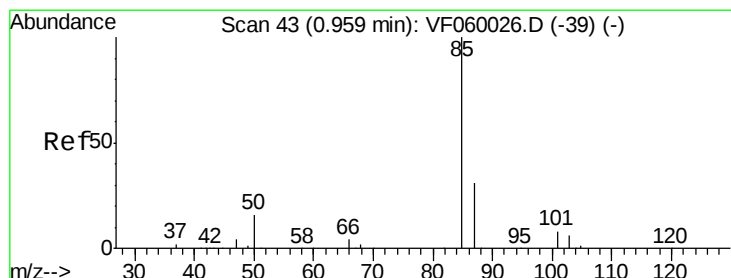
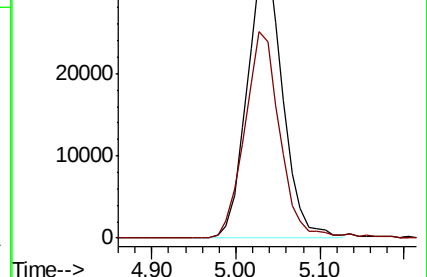
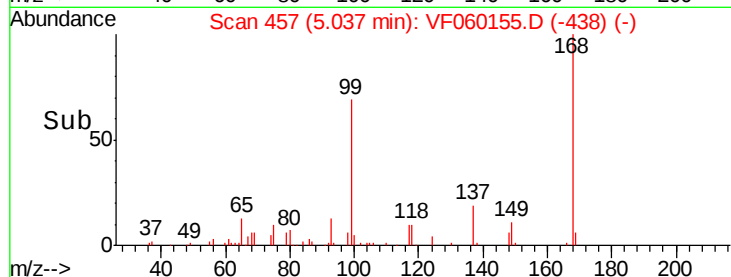


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

Time-->



#2

Dichlorodifluoromethane

Concen: 66.64 ug/l

RT: 0.96 min Scan# 43

Delta R.T. -0.00 min

Lab File: VF060155.D

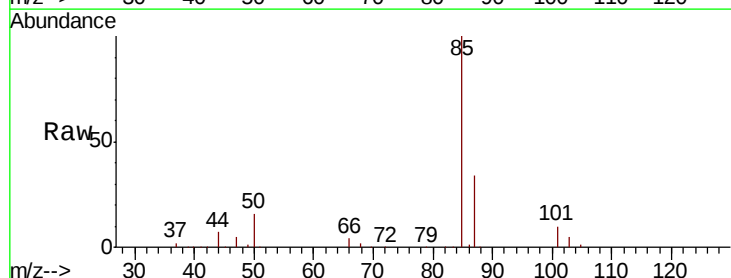
Acq: 28 Aug 2018 17:40

Tgt Ion: 85 Resp: 87458

Ion Ratio Lower Upper

85 100

87 33.8 15.3 45.9

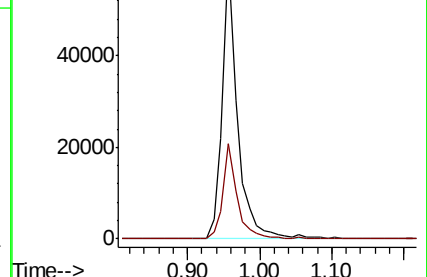
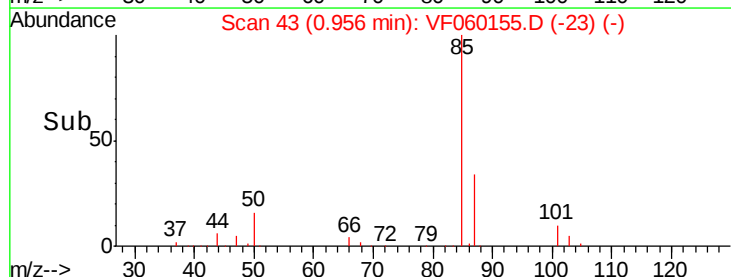


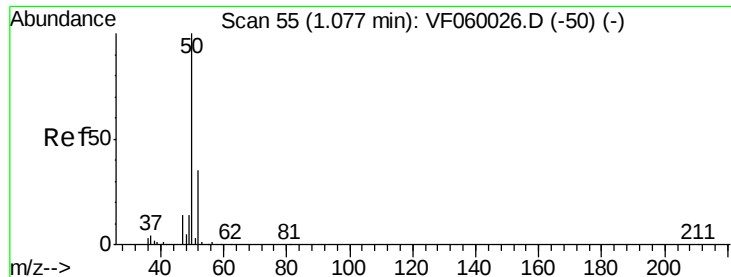
Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

Time-->





#3

Chloromethane

Concen: 49.85 ug/l

RT: 1.06 min Scan# 54

Delta R.T. -0.01 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

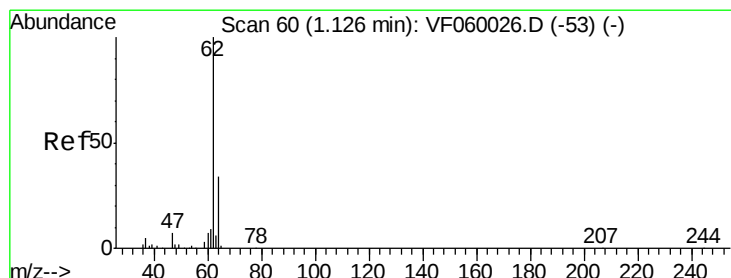
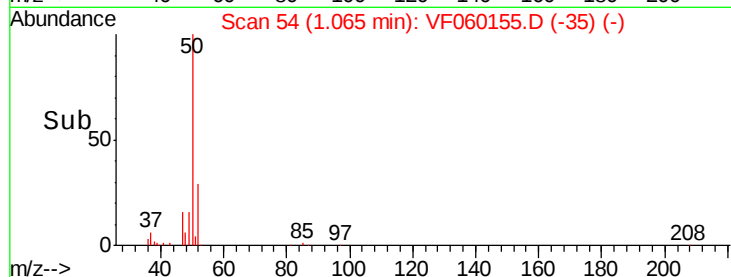
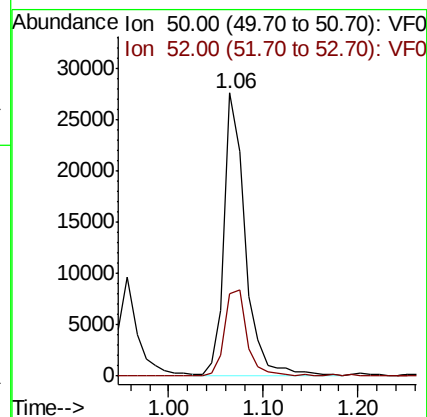
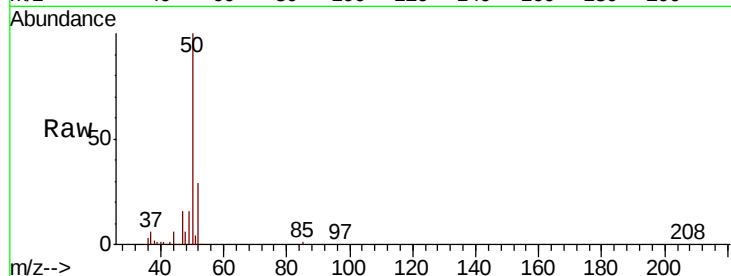
EP1-Q4-A7MSD

Tot Ion: 50 Resp: 42473

Ion Ratio Lower Upper

50 100

52 29.3 27.6 41.4



#4

Vinyl Chloride

Concen: 44.13 ug/l

RT: 1.12 min Scan# 60

Delta R.T. -0.00 min

Lab File: VF060155.D

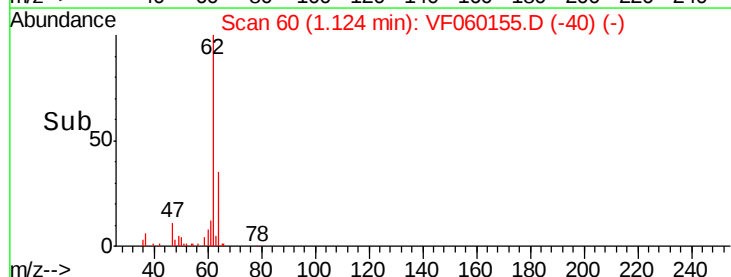
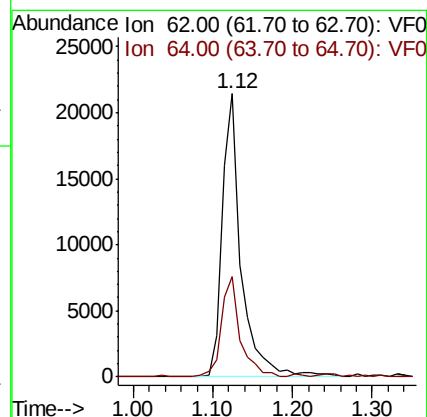
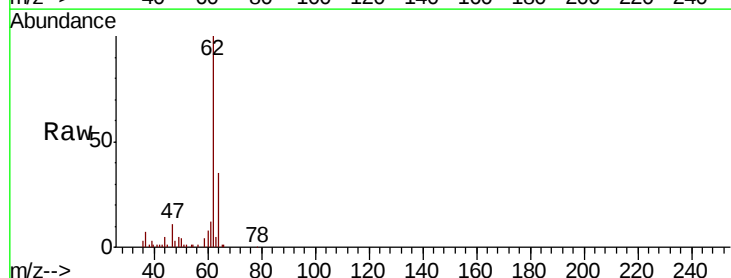
Acq: 28 Aug 2018 17:40

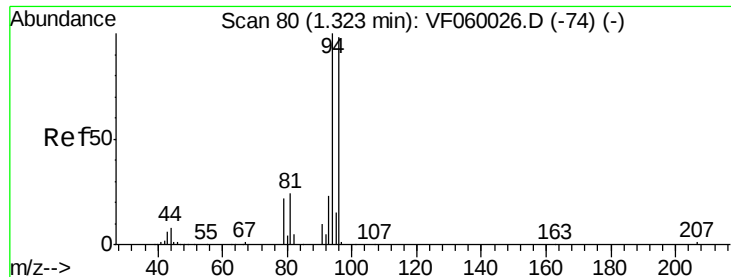
Tgt Ion: 62 Resp: 35958

Ion Ratio Lower Upper

62 100

64 35.4 27.4 41.2





#5

Bromomethane

Concen: 43.55 ug/l

RT: 1.31 min Scan# 79

Delta R.T. -0.01 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

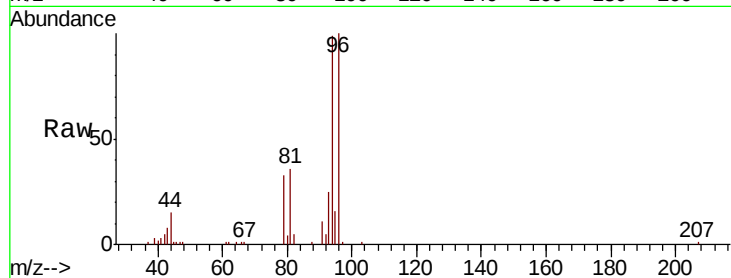
EP1-Q4-A7MSD

Tot Ion: 94 Resp: 26965

Ion Ratio Lower Upper

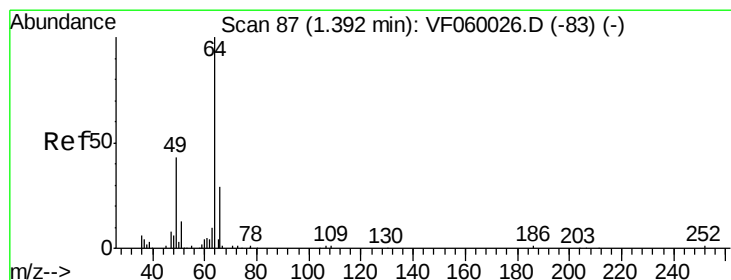
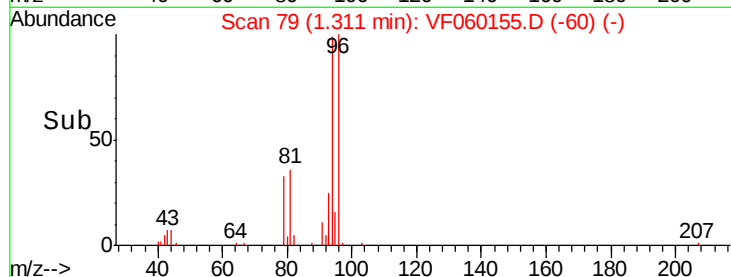
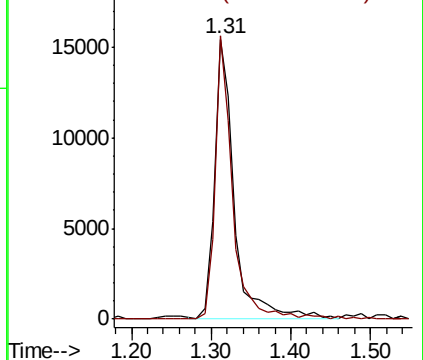
94 100

96 101.1 78.6 118.0



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 60.26 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.00 min

Lab File: VF060155.D

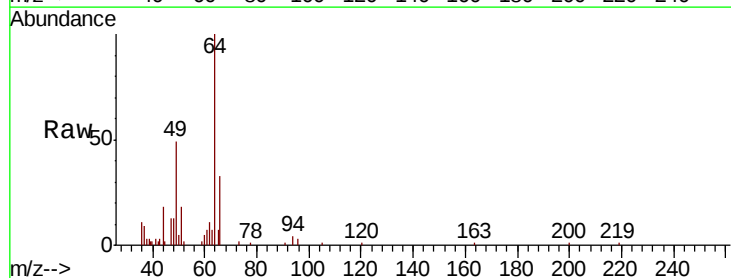
Acq: 28 Aug 2018 17:40

Tgt Ion: 64 Resp: 19356

Ion Ratio Lower Upper

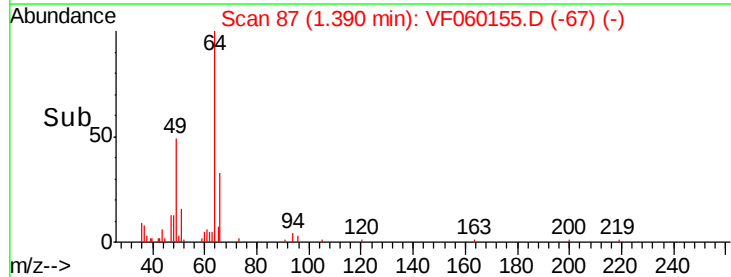
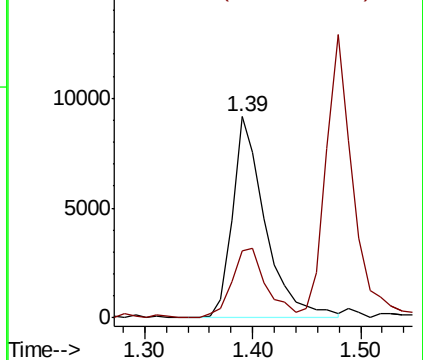
64 100

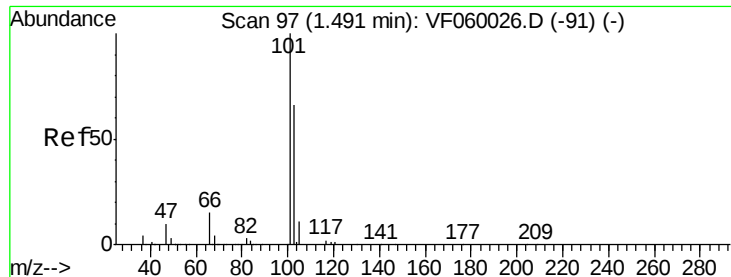
66 33.1 24.1 36.1



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 83.97 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.01 min

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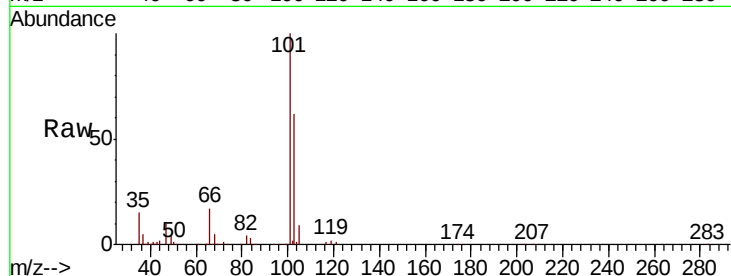
EP1-Q4-A7MSD

Tot Ion:101 Resp: 137598

Ion Ratio Lower Upper

101 100

103 62.2 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

80000

60000

40000

20000

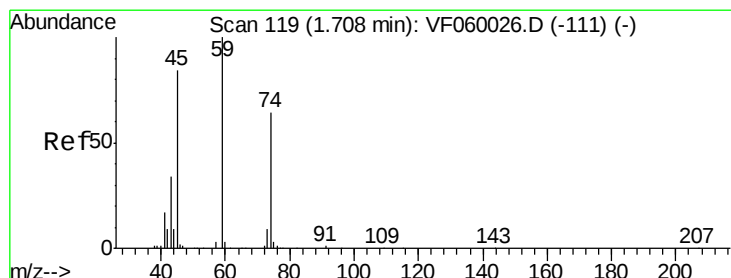
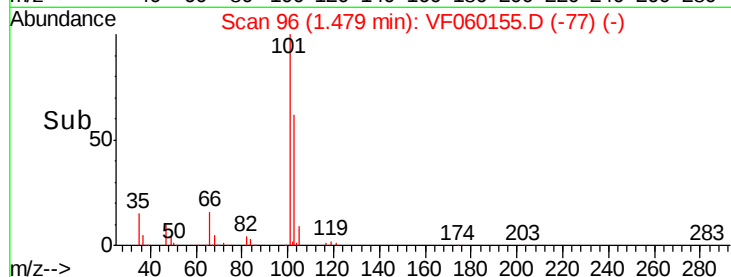
0

1.40

1.50

1.60

Time-->



#8

Diethyl Ether

Concen: 26.73 ug/l

RT: 1.70 min Scan# 118

Delta R.T. -0.01 min

Lab File: VF060155.D

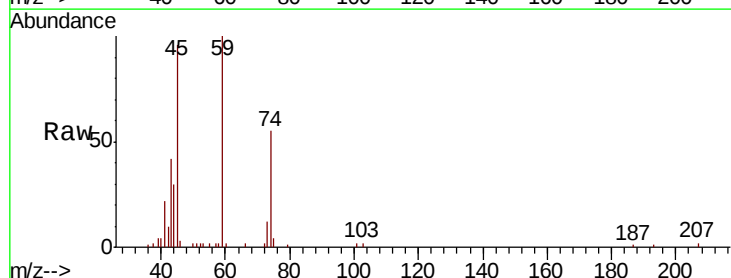
Acq: 28 Aug 2018 17:40

Tgt Ion: 74 Resp: 7830

Ion Ratio Lower Upper

74 100

45 173.4 66.0 198.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

8000

6000

4000

2000

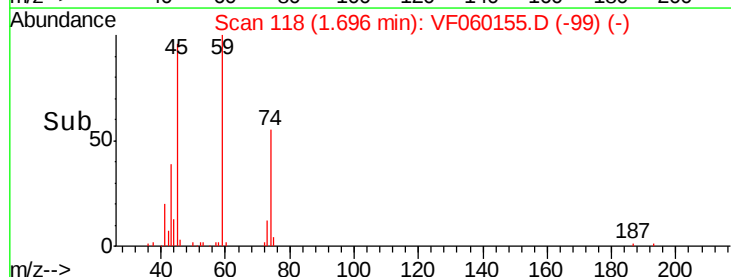
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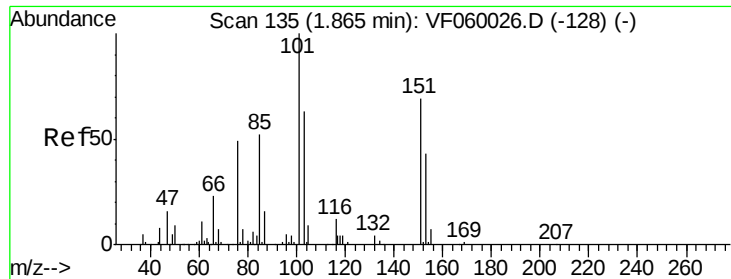
1.65

1.70

1.75

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 63.39 ug/l

RT: 1.85 min Scan# 134

Delta R.T. -0.01 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q4-A7MSD

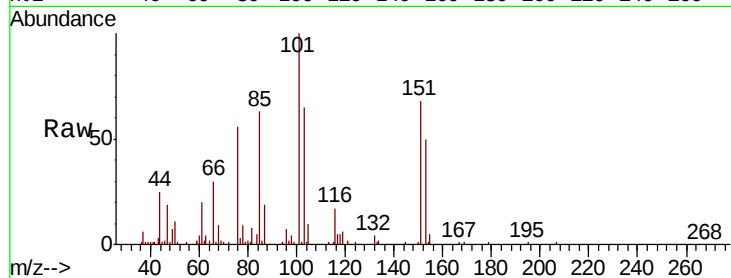
Tot Ion:101 Resp: 54528

Ion Ratio Lower Upper

101 100

85 63.4 41.5 62.3#

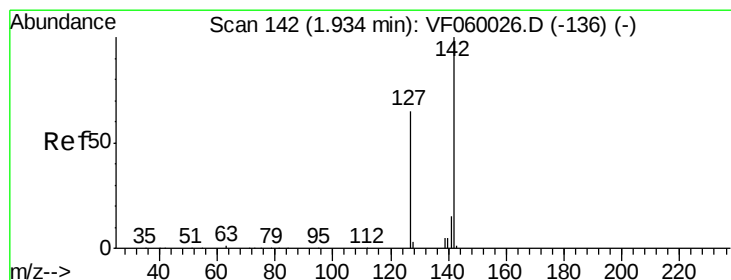
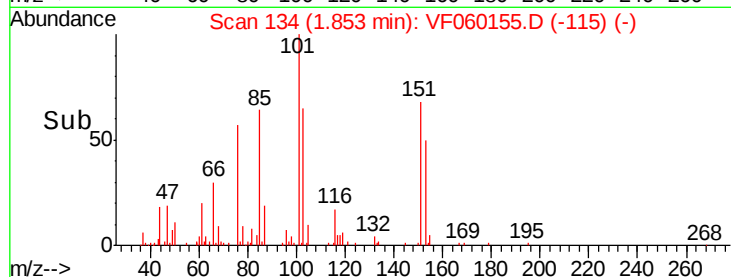
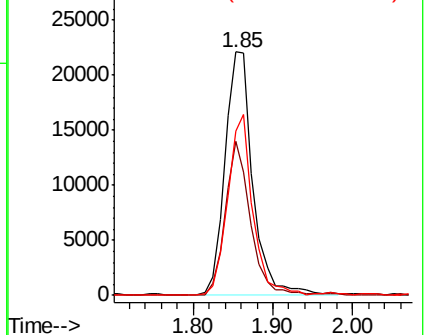
151 67.5 55.2 82.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 51.99 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.01 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

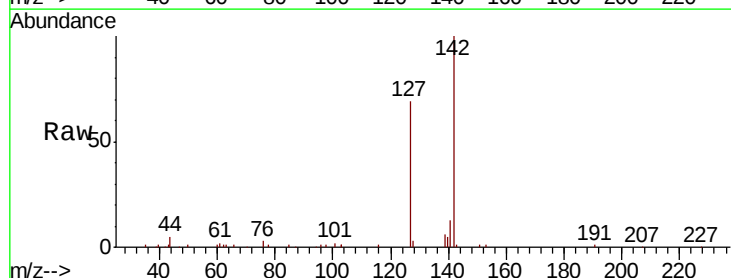
Tgt Ion:142 Resp: 59122

Ion Ratio Lower Upper

142 100

127 69.2 51.8 77.6

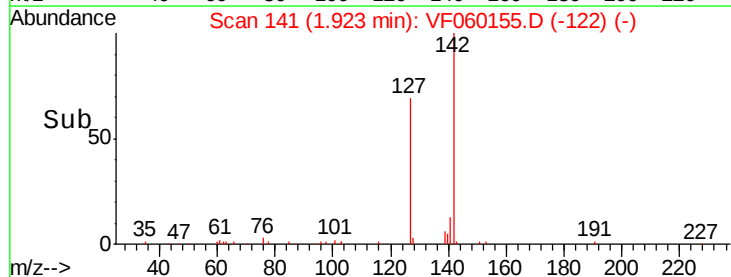
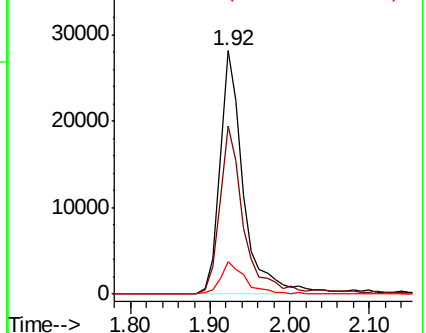
141 13.3 11.9 17.9

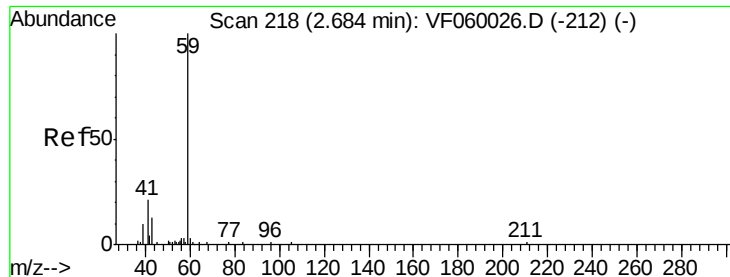


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



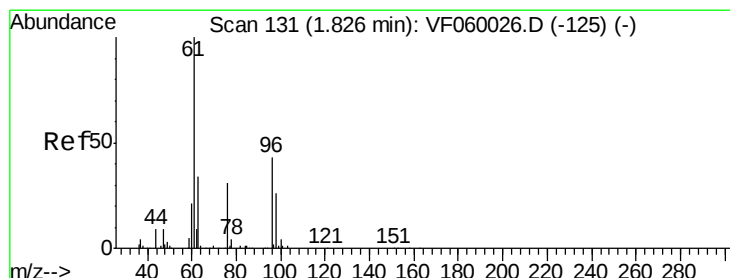
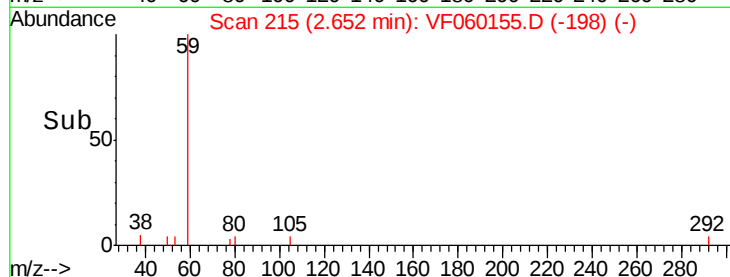
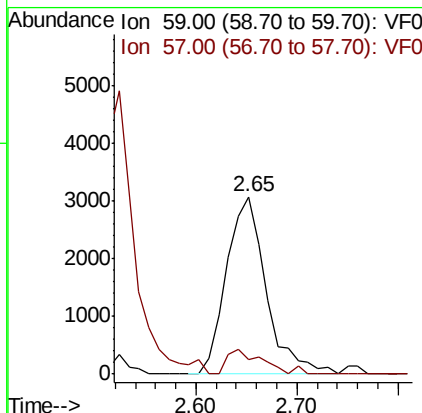
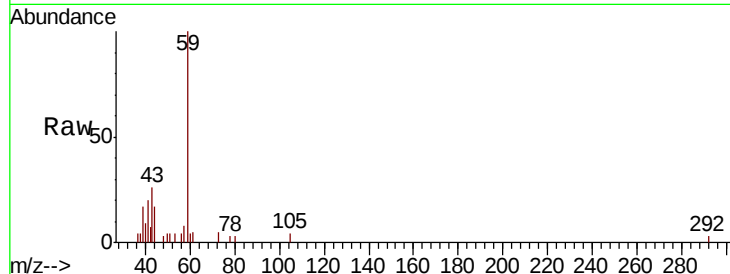


#11

Tert butyl alcohol
 Concen: 116.33 ug/l
 RT: 2.65 min Scan# 215
 Delta R.T. -0.03 min
 Lab File: VF060155.D
 Acq: 28 Aug 2018 17:40

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q4-A7MSD

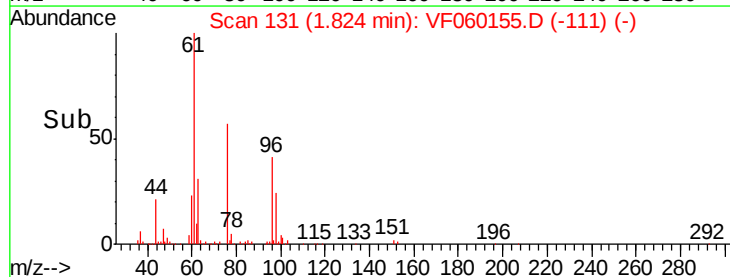
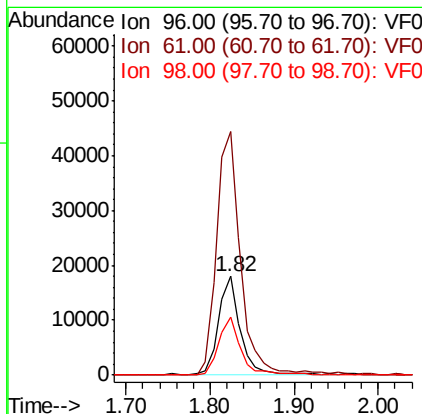
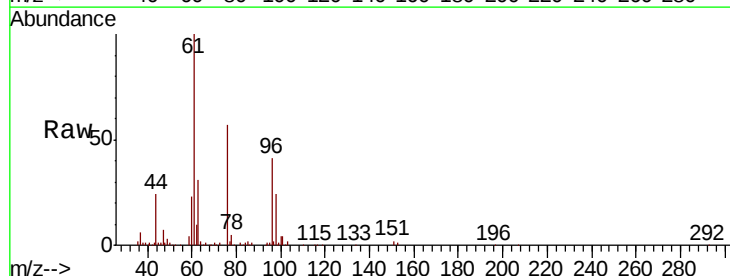
Tot Ion: 59 Resp: 8444
 Ion Ratio Lower Upper
 59 100
 57 8.2 5.4 8.2#

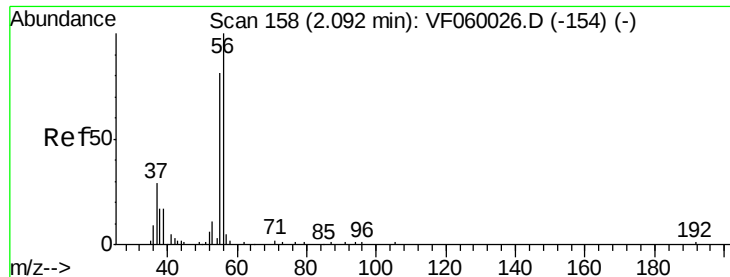


#12

1,1-Dichloroethene
 Concen: 51.55 ug/l
 RT: 1.82 min Scan# 131
 Delta R.T. -0.00 min
 Lab File: VF060155.D
 Acq: 28 Aug 2018 17:40

Tgt Ion: 96 Resp: 32668
 Ion Ratio Lower Upper
 96 100
 61 246.5 185.0 277.6
 98 59.5 47.8 71.8





#13

Acrolein

Concen: 101.44 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

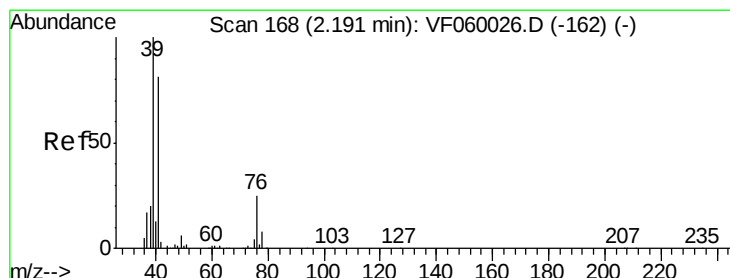
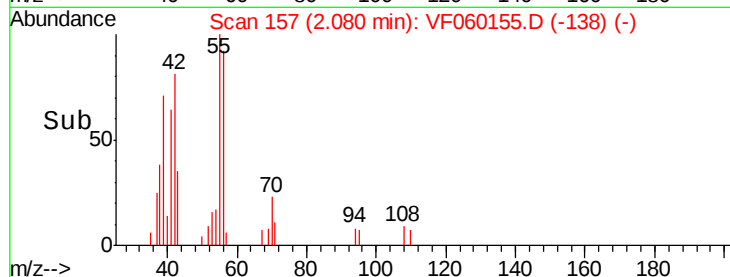
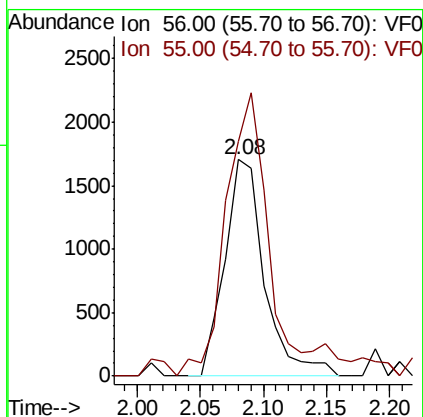
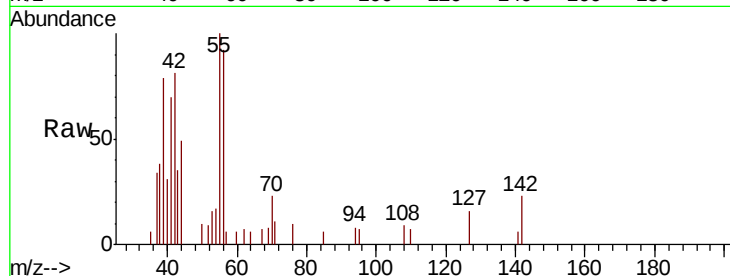
EP1-Q4-A7MSD

Tot Ion: 56 Resp: 3723

Ion Ratio Lower Upper

56 100

55 108.5 65.6 98.4#



#14

Allyl chloride

Concen: 55.67 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

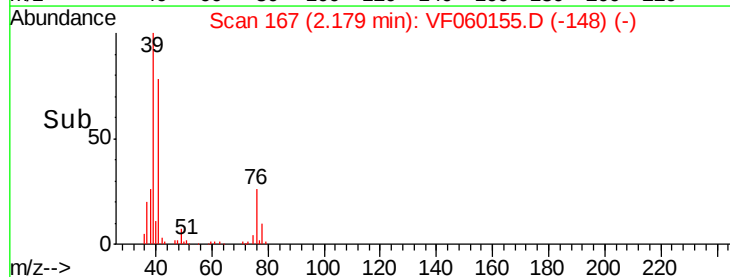
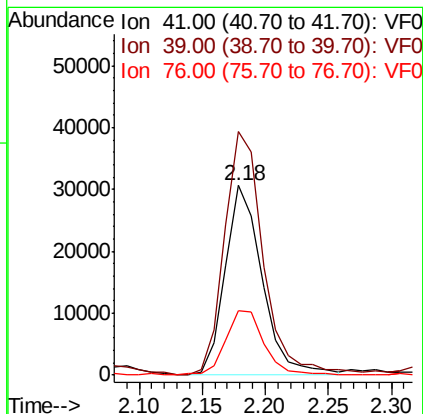
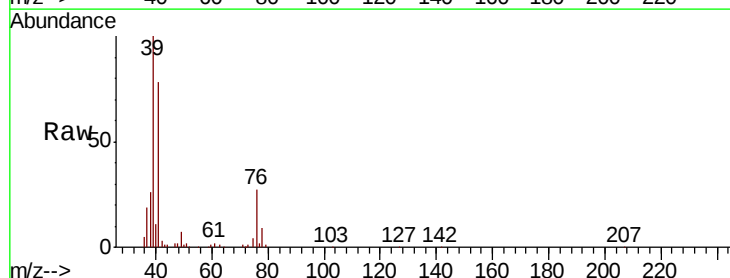
Tgt Ion: 41 Resp: 62653

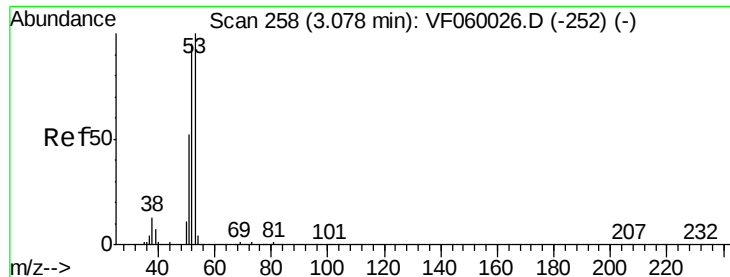
Ion Ratio Lower Upper

41 100

39 128.3 99.3 148.9

76 34.1 24.3 36.5





#15

Acrylonitrile

Concen: 133.79 ug/l

RT: 3.06 min Scan# 256

Delta R.T. -0.02 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q4-A7MSD

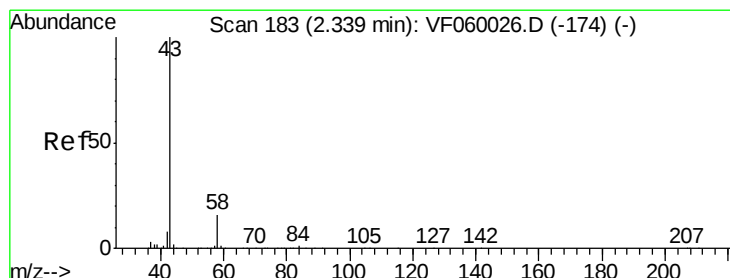
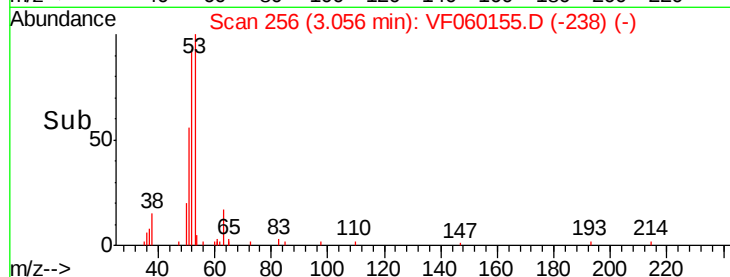
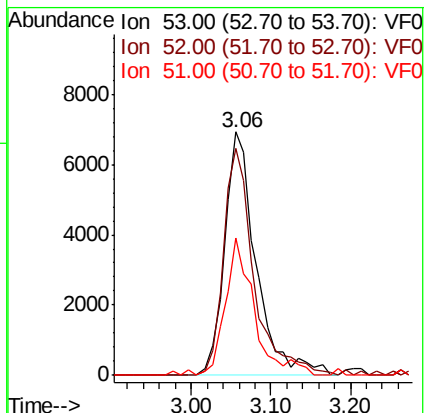
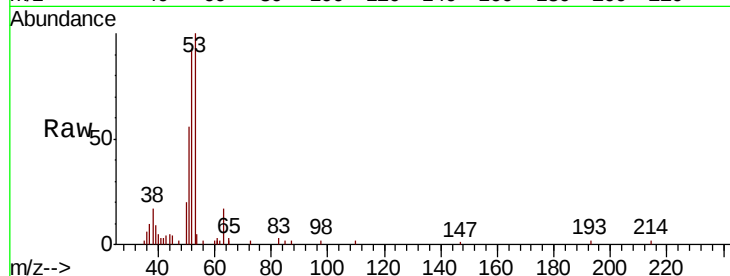
Tot Ion: 53 Resp: 19164

Ion Ratio Lower Upper

53 100

52 93.4 75.8 113.8

51 56.3 42.1 63.1



#16

Acetone

Concen: 129.16 ug/l

RT: 2.33 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF060155.D

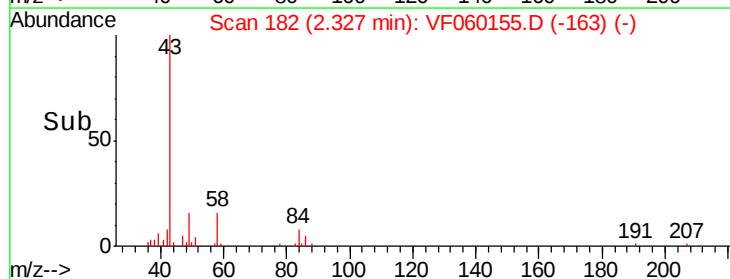
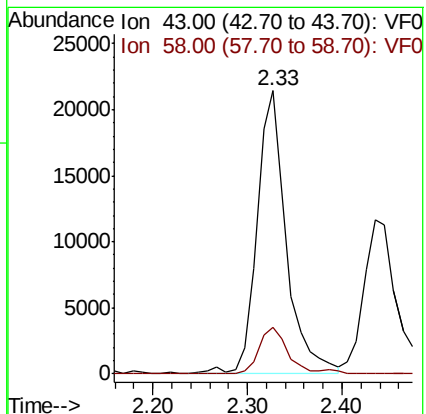
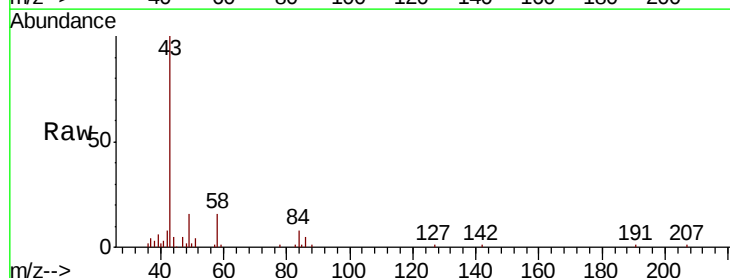
Acq: 28 Aug 2018 17:40

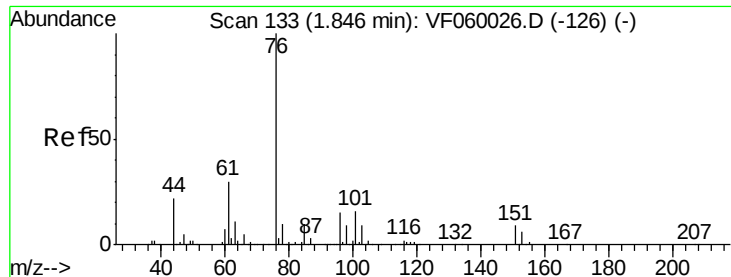
Tgt Ion: 43 Resp: 46314

Ion Ratio Lower Upper

43 100

58 16.3 12.6 19.0

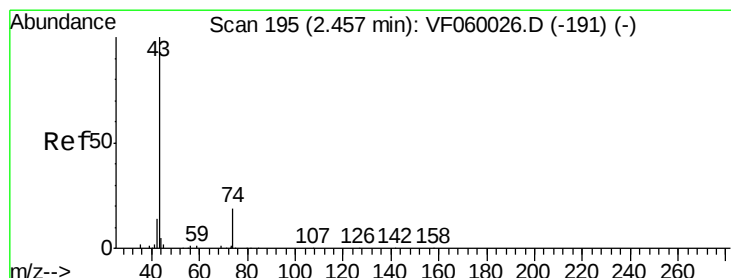
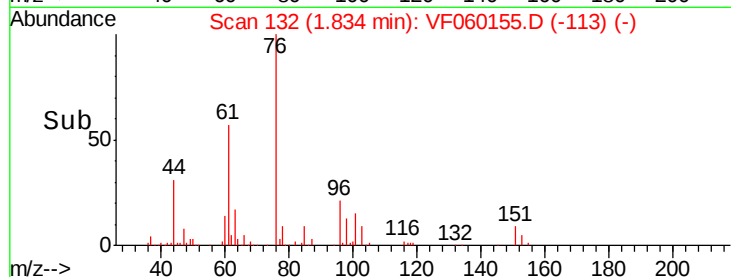
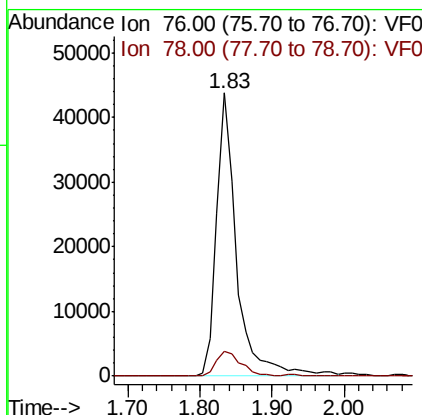
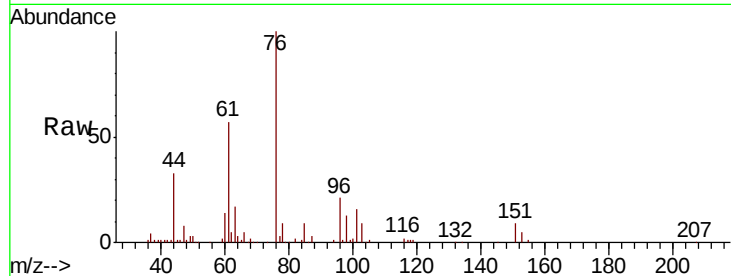




#17
Carbon Disulfide
Concen: 42.32 ug/l
RT: 1.83 min Scan# 132
Delta R.T. -0.01 min
Lab File: VF060155.D
Acq: 28 Aug 2018 17:40

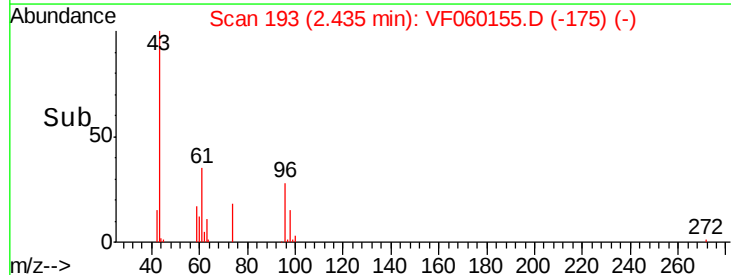
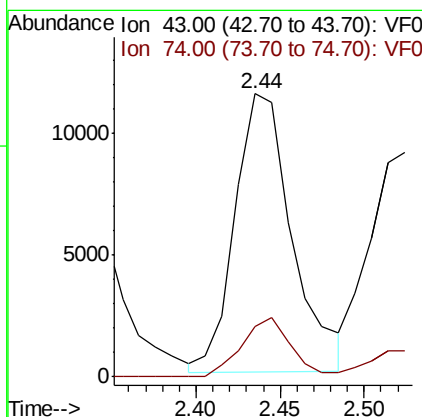
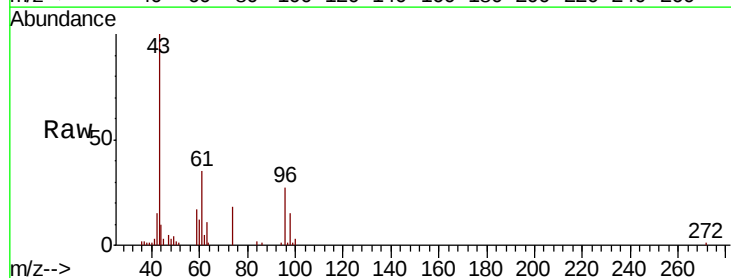
Instrument :
MSVOA_F
ClientSampleId :
EP1-Q4-A7MSD

Tot Ion: 76 Resp: 83977
Ion Ratio Lower Upper
76 100
78 8.9 8.4 12.6



#18
Methyl Acetate
Concen: 43.67 ug/l
RT: 2.44 min Scan# 193
Delta R.T. -0.02 min
Lab File: VF060155.D
Acq: 28 Aug 2018 17:40

Tgt Ion: 43 Resp: 27066
Ion Ratio Lower Upper
43 100
74 17.8 13.8 20.6



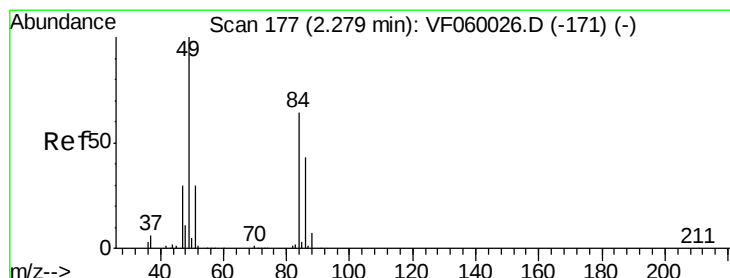
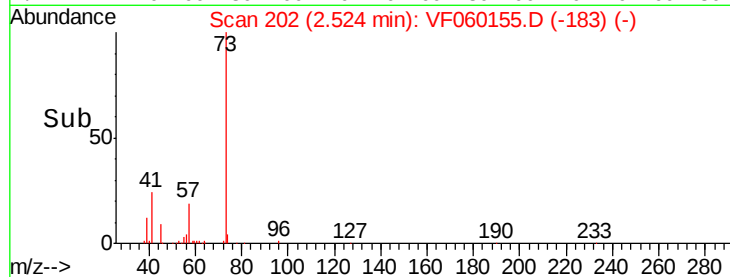
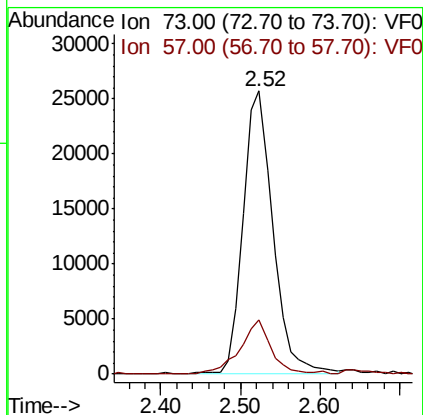
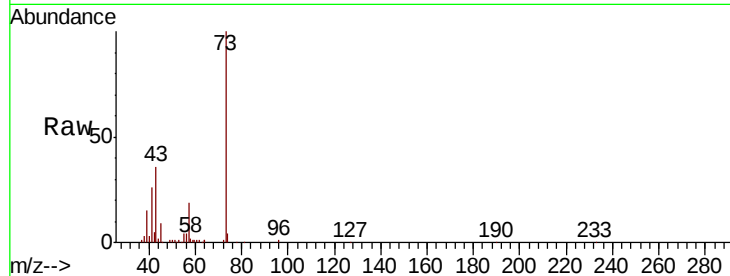


#19

Methyl tert-butyl Ether
 Concen: 32.78 ug/l
 RT: 2.52 min Scan# 202
 Delta R.T. -0.01 min
 Lab File: VF060155.D
 Acq: 28 Aug 2018 17:40

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q4-A7MSD

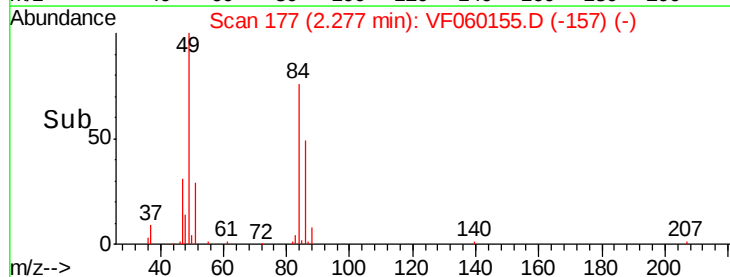
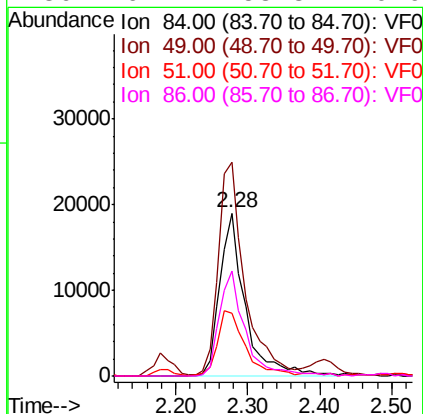
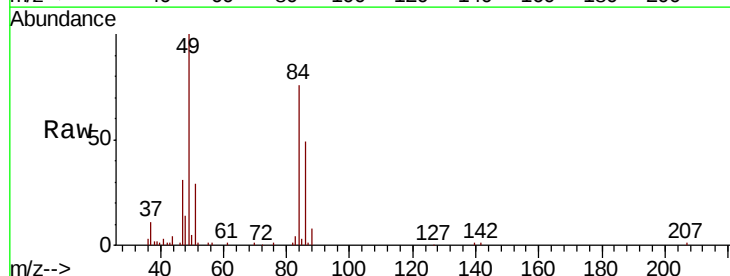
Tot Ion: 73 Resp: 66546
 Ion Ratio Lower Upper
 73 100
 57 19.1 13.7 20.5

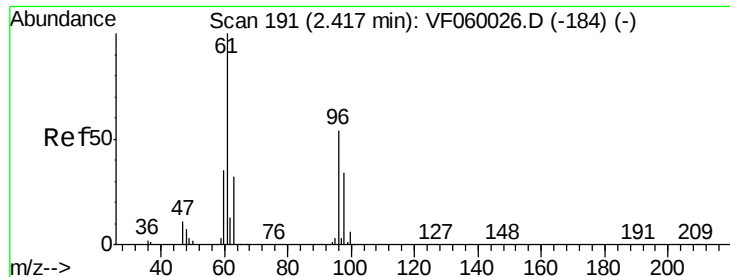


#20

Methylene Chloride
 Concen: 67.10 ug/l
 RT: 2.28 min Scan# 177
 Delta R.T. -0.00 min
 Lab File: VF060155.D
 Acq: 28 Aug 2018 17:40

Tgt Ion: 84 Resp: 46145
 Ion Ratio Lower Upper
 84 100
 49 131.3 125.4 188.0
 51 38.3 38.3 57.5#
 86 64.2 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 61.46 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q4-A7MSD

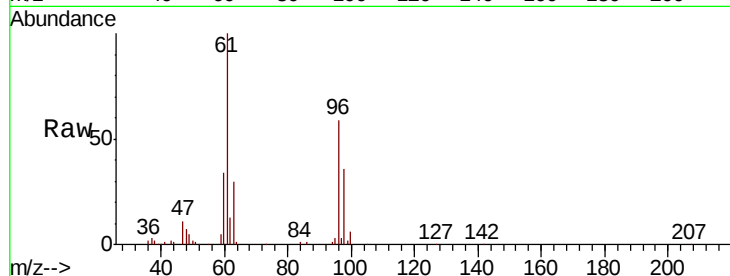
Tot Ion: 96 Resp: 43581

Ion Ratio Lower Upper

96 100

61 170.3 147.4 221.0

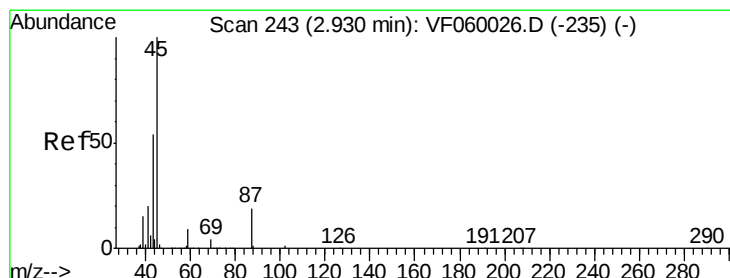
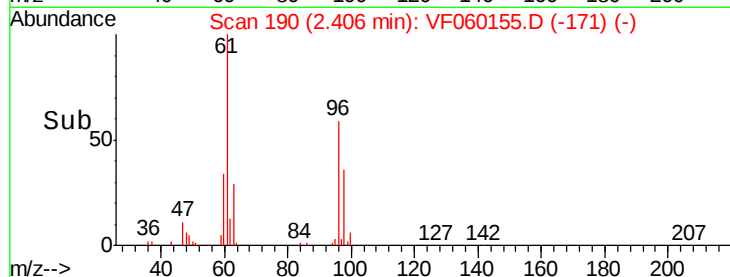
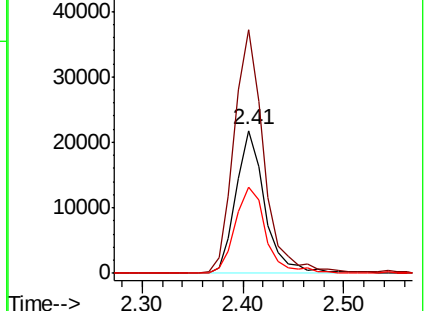
98 60.5 49.8 74.6



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 39.55 ug/l

RT: 2.91 min Scan# 241

Delta R.T. -0.02 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

Tgt Ion: 45 Resp: 99672

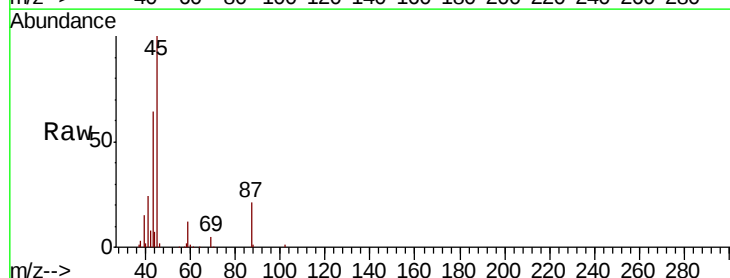
Ion Ratio Lower Upper

45 100

43 63.5 43.4 65.2

87 21.1 15.4 23.2

59 12.1 7.5 11.3#

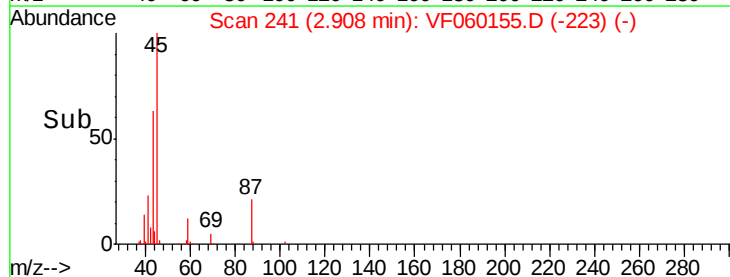
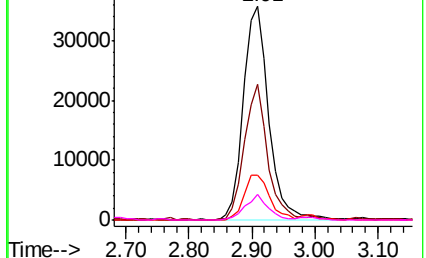


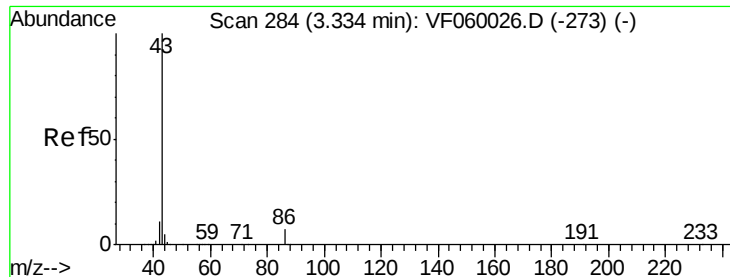
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 63.51 ug/l

RT: 3.31 min Scan# 282

Delta R.T. -0.02 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

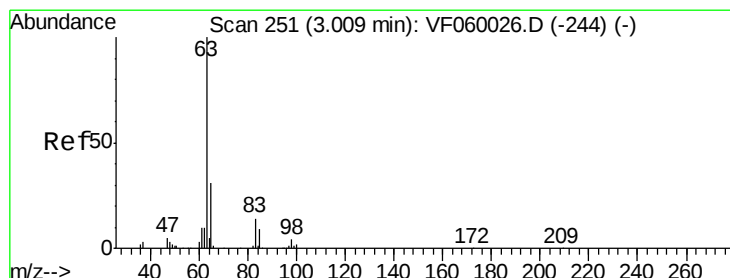
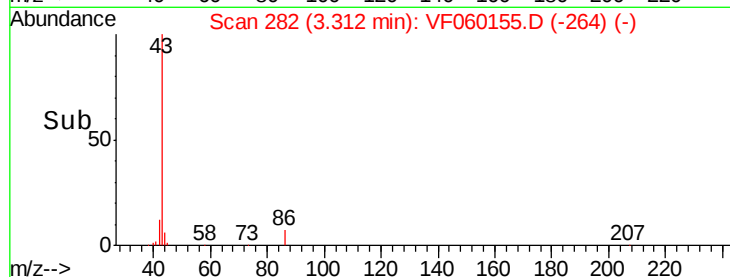
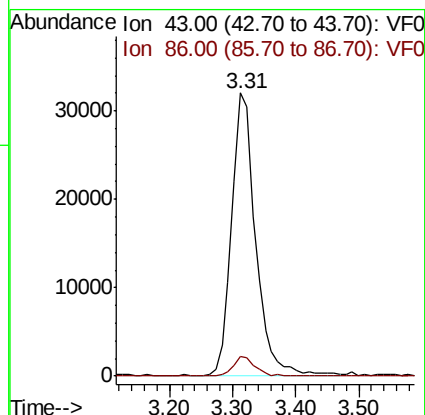
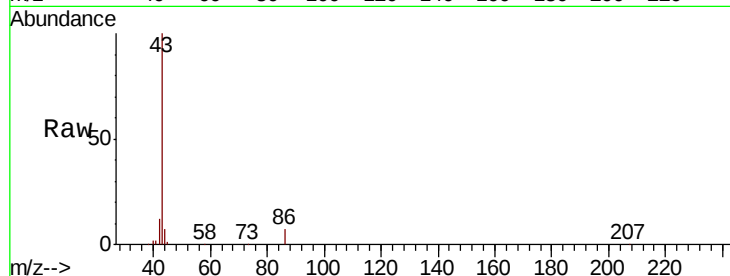
EP1-Q4-A7MSD

Tot Ion: 43 Resp: 84801

Ion Ratio Lower Upper

43 100

86 7.2 5.6 8.4



#24

1,1-Dichloroethane

Concen: 62.14 ug/l

RT: 3.00 min Scan# 250

Delta R.T. -0.01 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

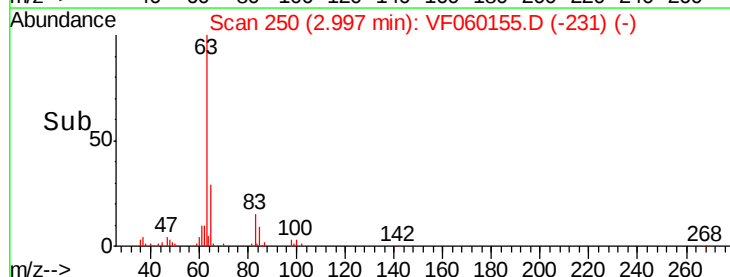
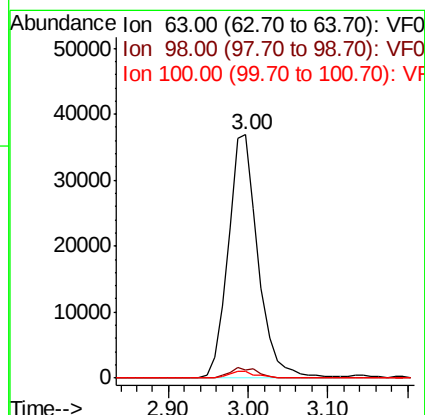
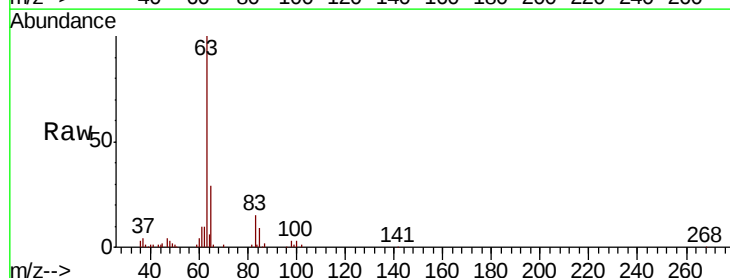
Tgt Ion: 63 Resp: 96749

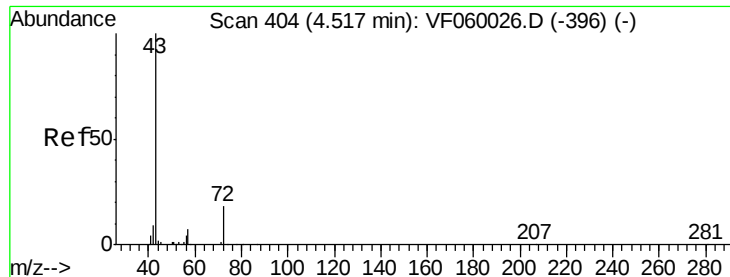
Ion Ratio Lower Upper

63 100

98 3.4 2.1 6.5

100 2.9 1.1 3.3





#25

2-Butanone

Concen: 72.98 ug/l

RT: 4.48 min Scan# 400

Delta R.T. -0.04 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

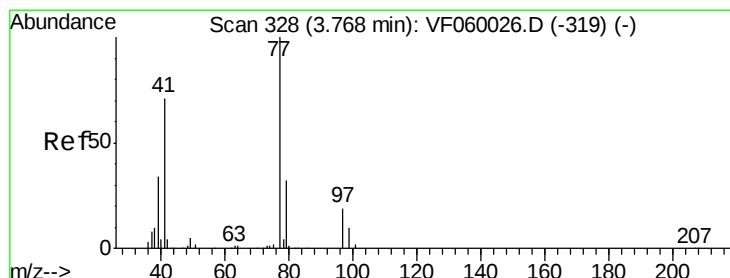
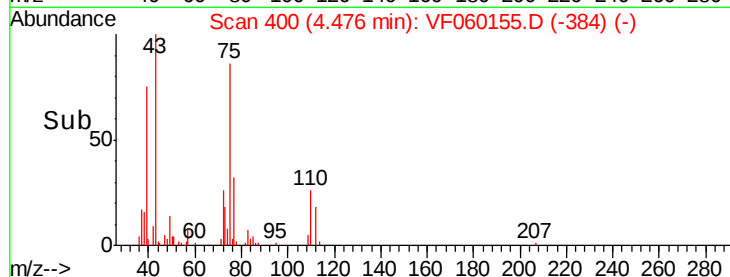
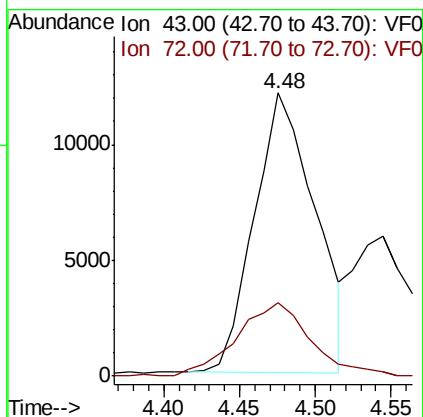
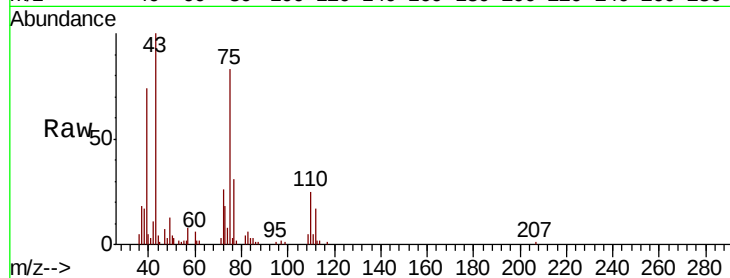
EP1-Q4-A7MSD

Tot Ion: 43 Resp: 33993

Ion Ratio Lower Upper

43 100

72 25.9 15.0 22.6#



#26

2,2-Dichloropropane

Concen: 57.43 ug/l

RT: 3.76 min Scan# 327

Delta R.T. -0.01 min

Lab File: VF060155.D

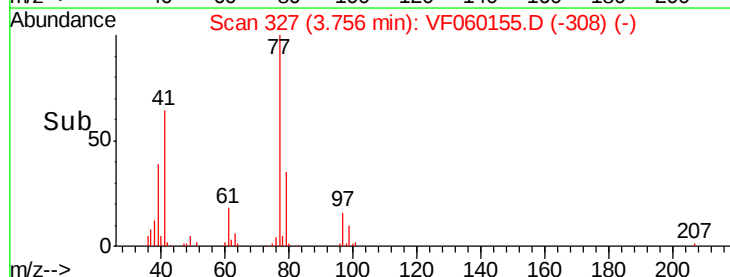
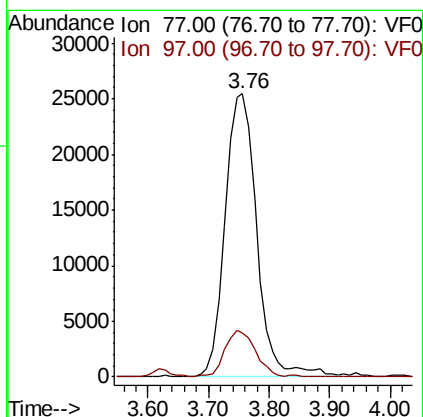
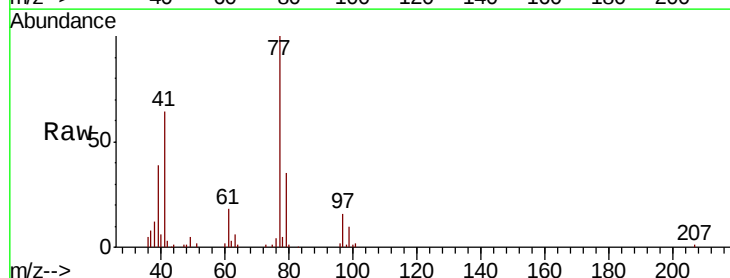
Acq: 28 Aug 2018 17:40

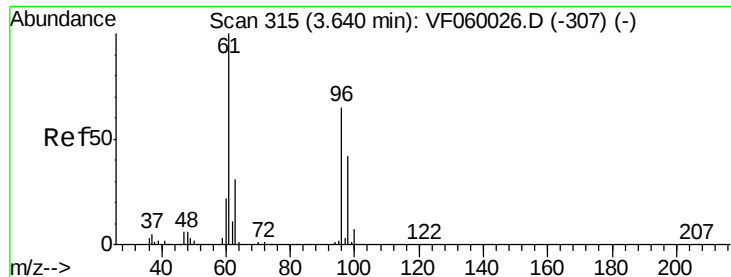
Tgt Ion: 77 Resp: 92513

Ion Ratio Lower Upper

77 100

97 15.6 9.7 29.1





#27

cis-1,2-Dichloroethene

Concen: 41.40 ug/l

RT: 3.62 min Scan# 313

Delta R.T. -0.02 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q4-A7MSD

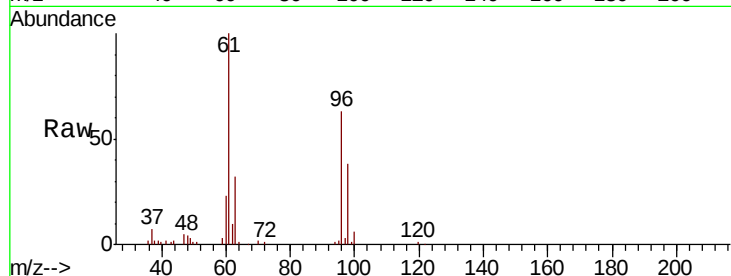
Tot Ion: 96 Resp: 41600

Ion Ratio Lower Upper

96 100

61 159.7 0.0 307.6

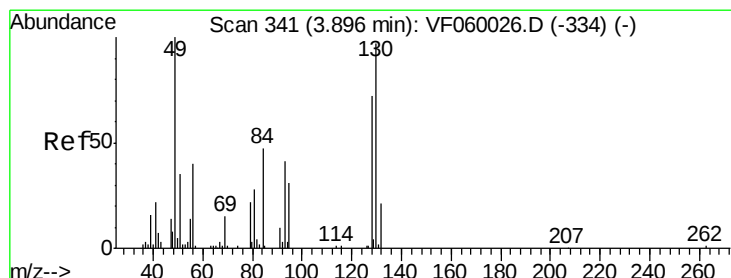
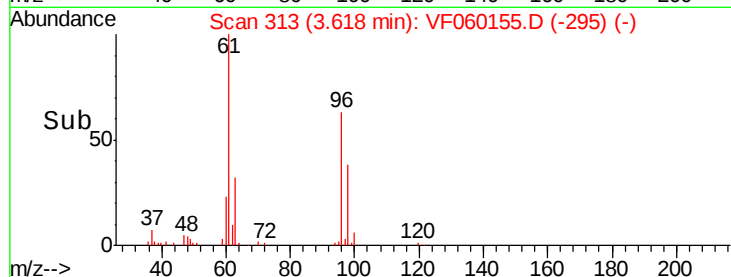
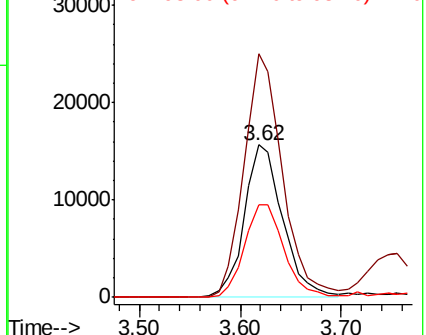
98 60.4 0.0 128.4



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#28

Bromochloromethane

Concen: 39.15 ug/l

RT: 3.87 min Scan# 339

Delta R.T. -0.02 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

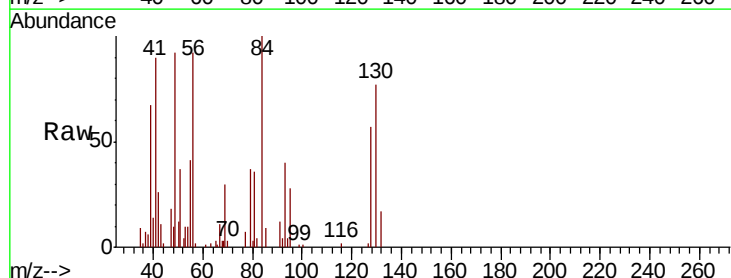
Tgt Ion: 49 Resp: 25732

Ion Ratio Lower Upper

49 100

129 0.0 0.0 7.4

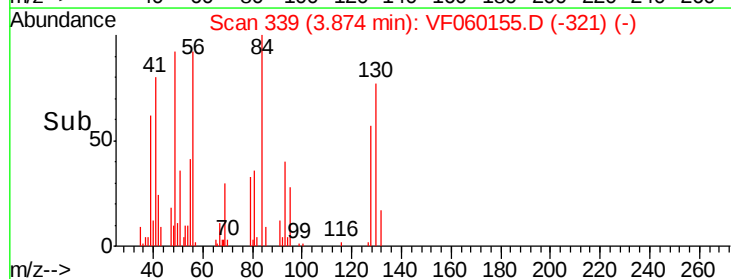
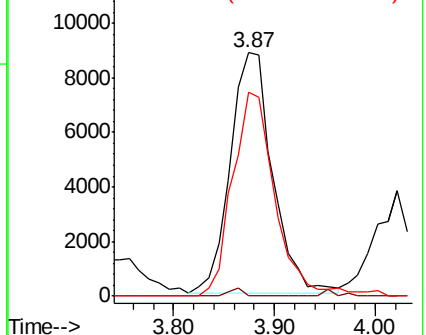
130 83.5 78.0 117.0

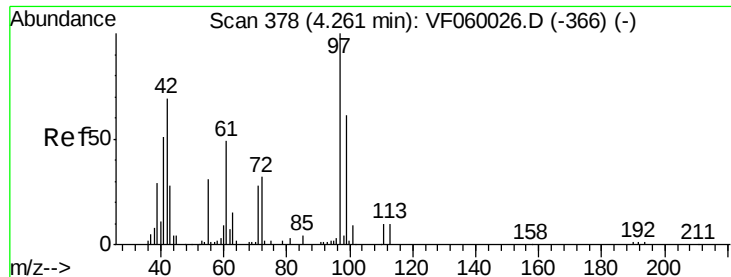


Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 104.15 ug/l

RT: 4.23 min Scan# 375

Delta R.T. -0.03 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q4-A7MSD

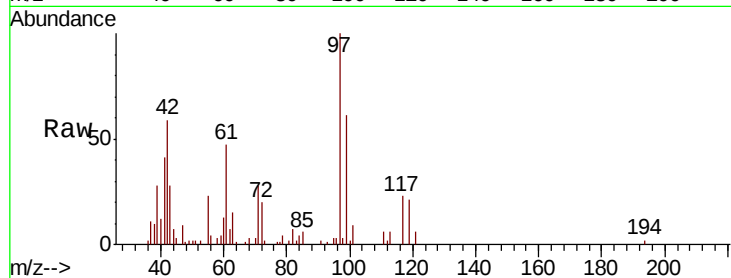
Tot Ion: 42 Resp: 18316

Ion Ratio Lower Upper

42 100

72 41.1 31.4 47.2

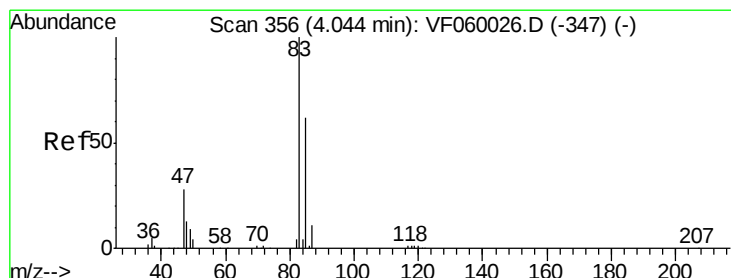
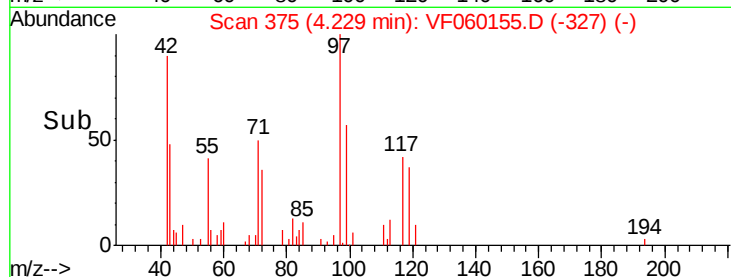
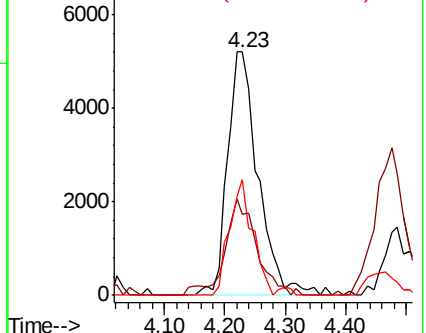
71 36.2 29.7 44.5



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



#30

Chloroform

Concen: 47.75 ug/l

RT: 4.02 min Scan# 354

Delta R.T. -0.02 min

Lab File: VF060155.D

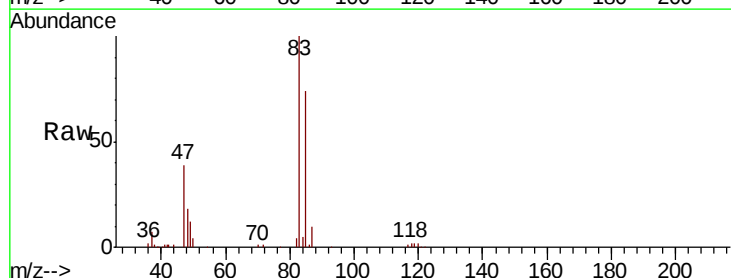
Acq: 28 Aug 2018 17:40

Tgt Ion: 83 Resp: 104350

Ion Ratio Lower Upper

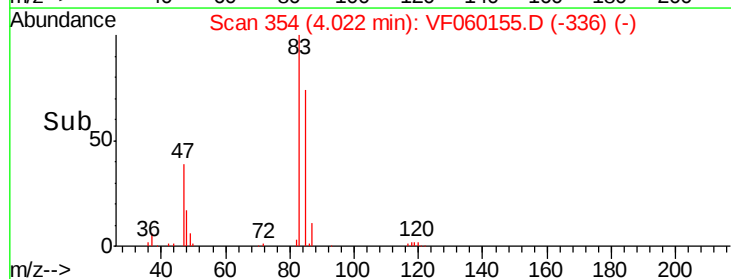
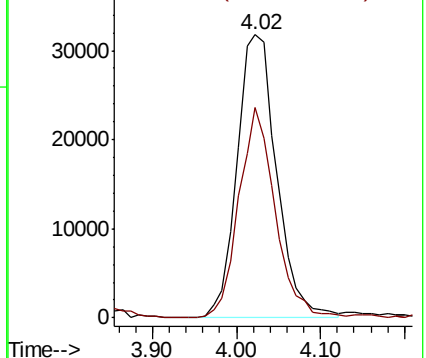
83 100

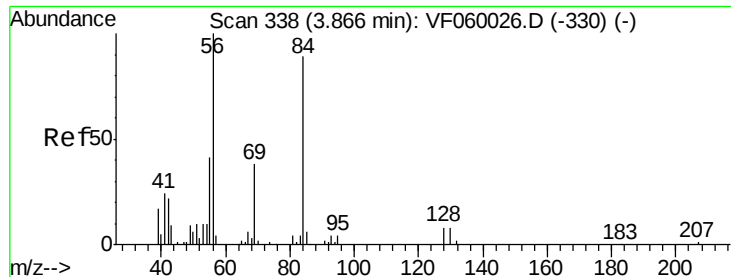
85 74.2 49.5 74.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

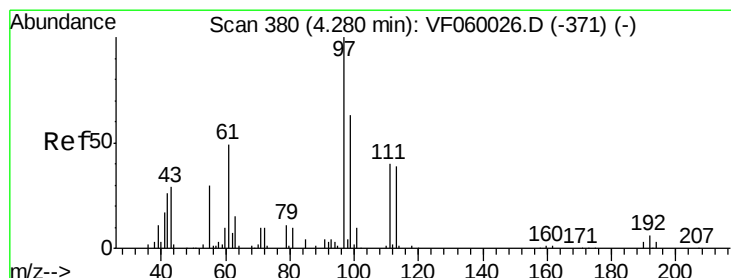
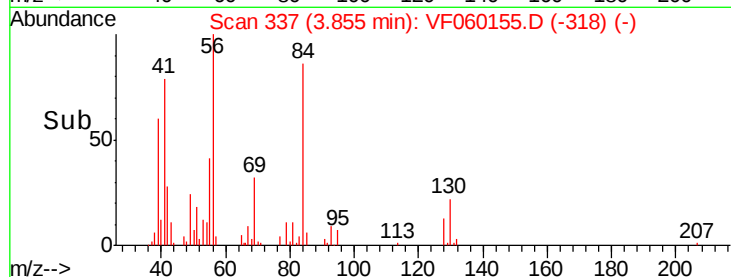
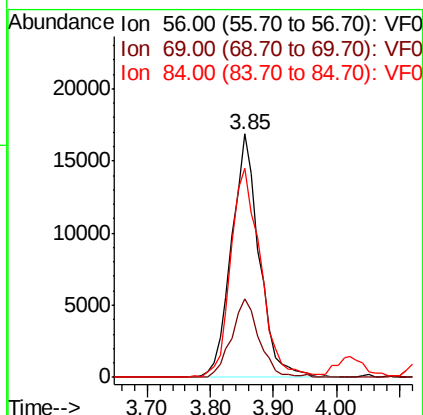
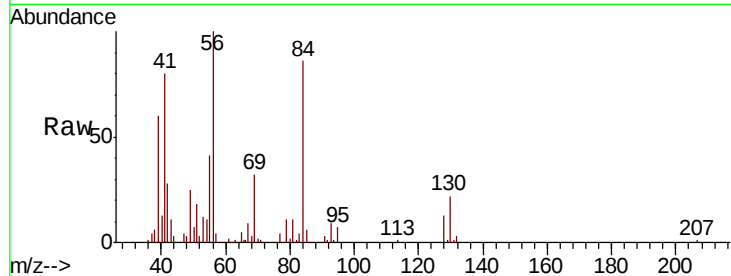




#31
Cyclohexane
Concen: 43.28 ug/l
RT: 3.85 min Scan# 337
Delta R.T. -0.01 min
Lab File: VF060155.D
Acq: 28 Aug 2018 17:40

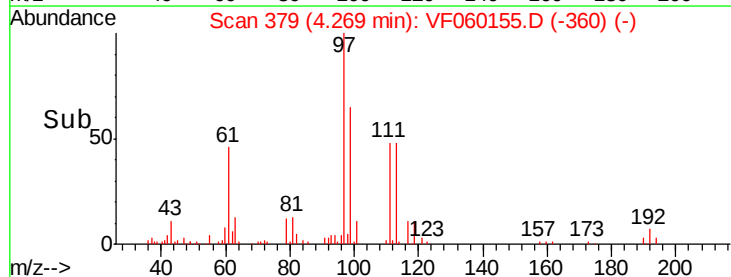
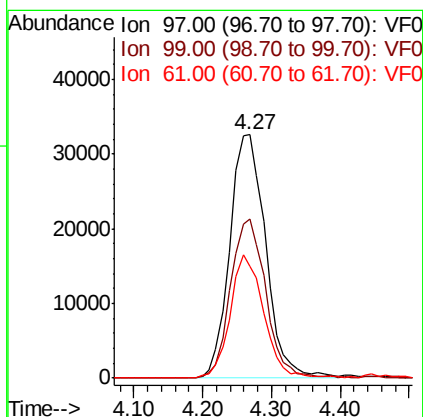
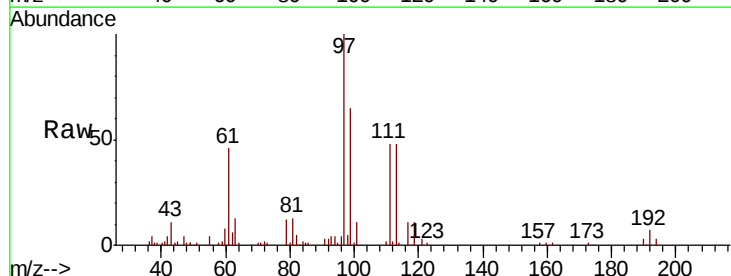
Instrument :
MSVOA_F
ClientSampleId :
EP1-Q4-A7MSD

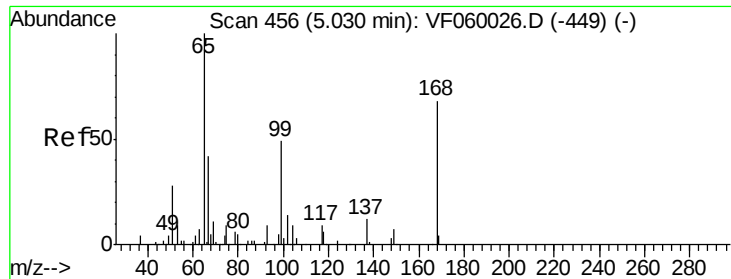
Tot Ion: 56 Resp: 51339
Ion Ratio Lower Upper
56 100
69 32.1 30.4 45.6
84 85.7 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 63.02 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF060155.D
Acq: 28 Aug 2018 17:40

Tgt Ion: 97 Resp: 117943
Ion Ratio Lower Upper
97 100
99 65.4 50.3 75.5
61 46.0 40.3 60.5





#33

1,2-Dichloroethane-d4

Concen: 36.42 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.02 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

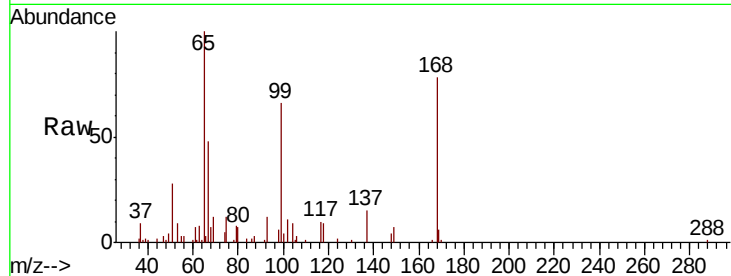
EP1-Q4-A7MSD

Tot Ion: 65 Resp: 49695

Ion Ratio Lower Upper

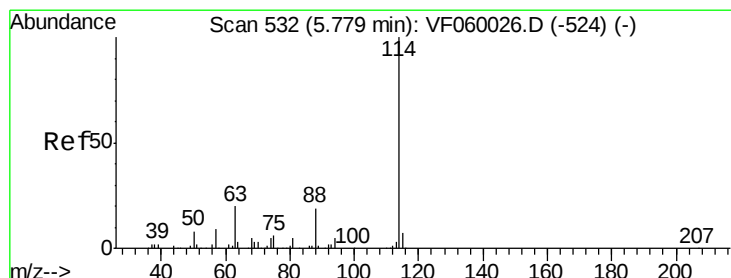
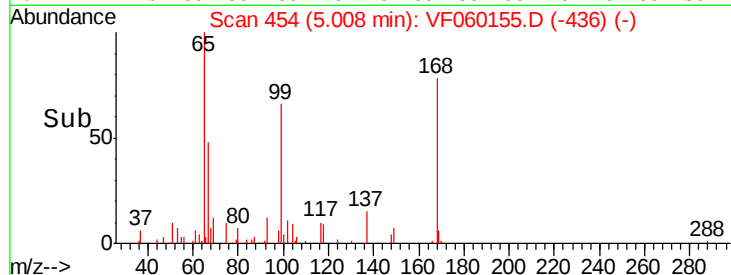
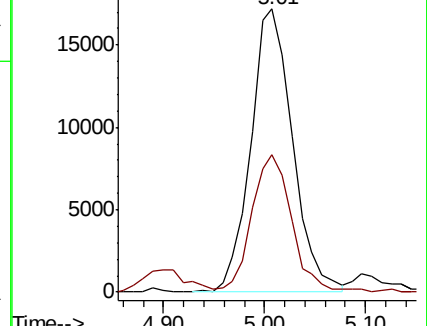
65 100

67 48.5 0.0 92.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.02 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

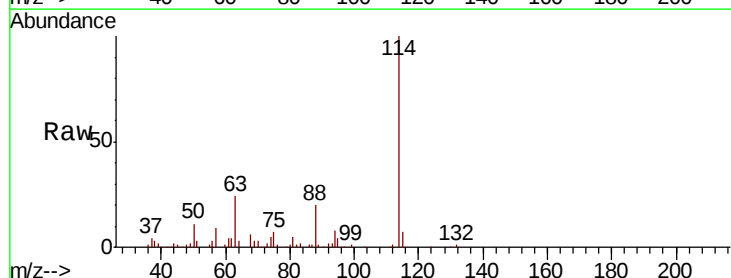
Tgt Ion: 114 Resp: 132381

Ion Ratio Lower Upper

114 100

63 23.8 0.0 40.4

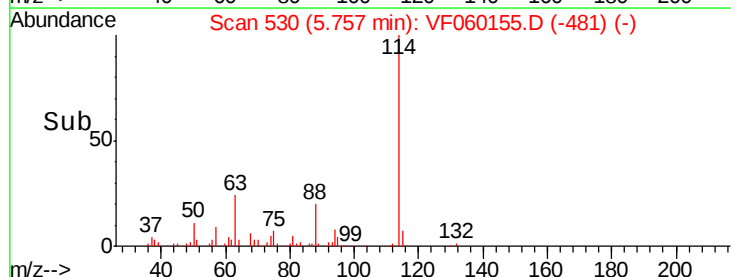
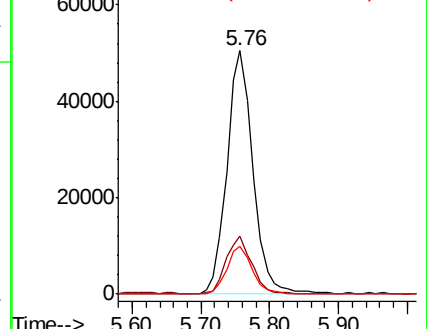
88 19.7 0.0 38.6

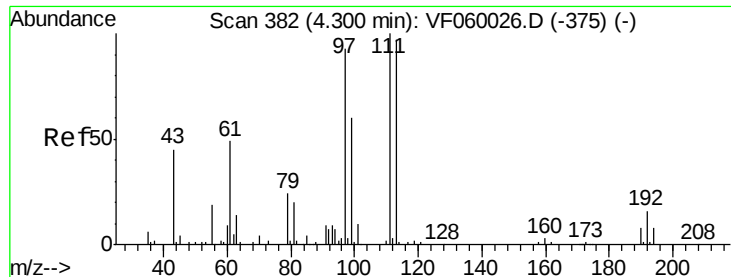


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

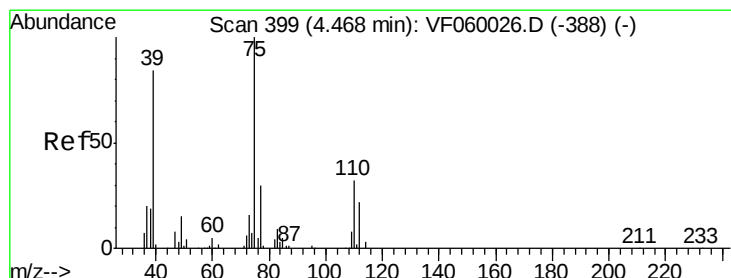
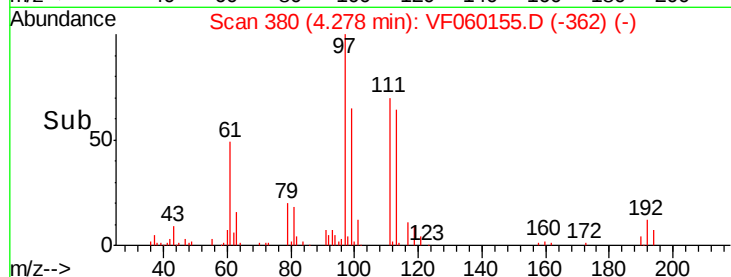
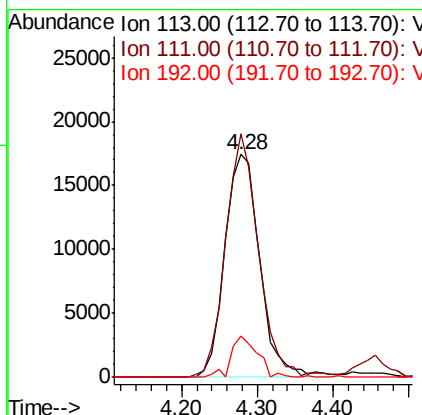
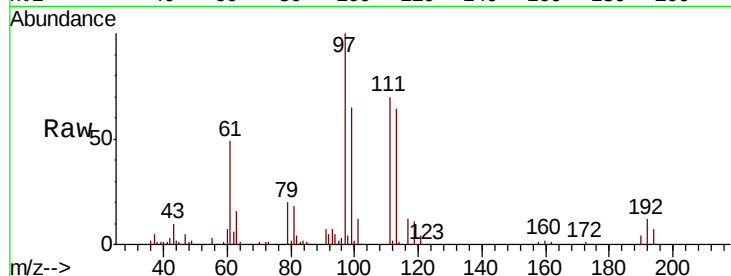




#35
 Dibromofluoromethane
 Concen: 53.89 ug/l
 RT: 4.28 min Scan# 380
 Delta R.T. -0.02 min
 Lab File: VF060155.D
 Acq: 28 Aug 2018 17:40

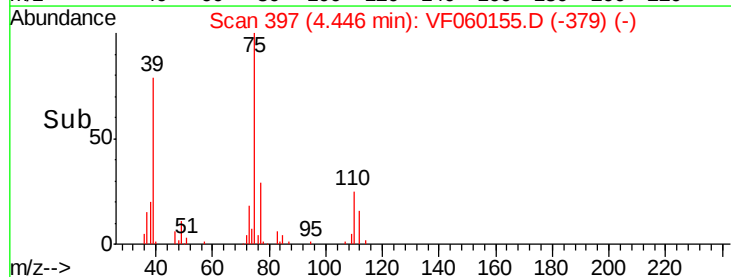
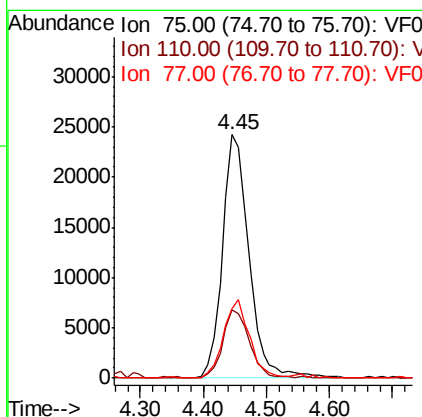
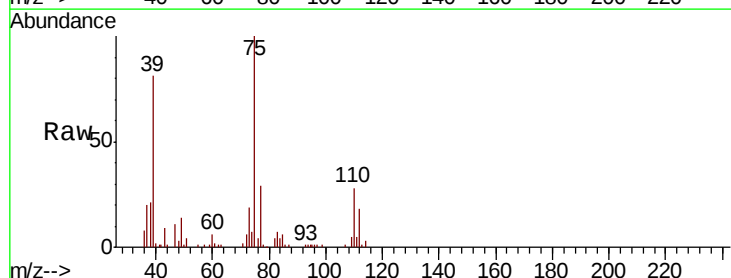
Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q4-A7MSD

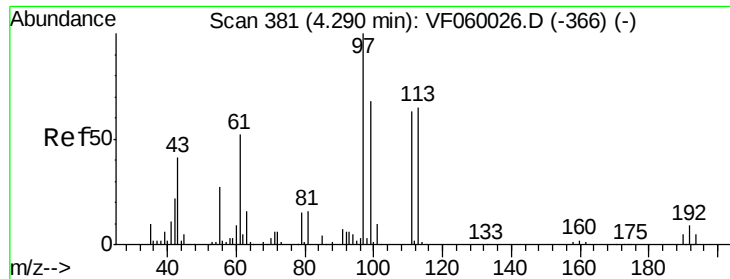
Tot Ion:113 Resp: 56020
 Ion Ratio Lower Upper
 113 100
 111 109.2 82.7 124.1
 192 18.8 13.0 19.4



#36
 1,1-Dichloropropene
 Concen: 56.91 ug/l
 RT: 4.45 min Scan# 397
 Delta R.T. -0.02 min
 Lab File: VF060155.D
 Acq: 28 Aug 2018 17:40

Tgt Ion: 75 Resp: 70794
 Ion Ratio Lower Upper
 75 100
 110 27.8 16.0 47.9
 77 28.6 24.1 36.1





#37

Ethyl Acetate

Concen: 22.93 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.04 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q4-A7MSD

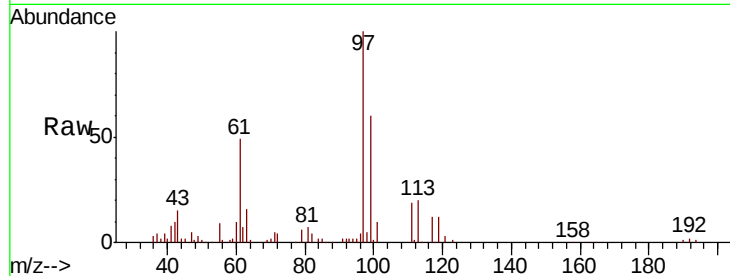
Tot Ion: 43 Resp: 17062

Ion Ratio Lower Upper

43 100

61 320.3 101.5 152.3#

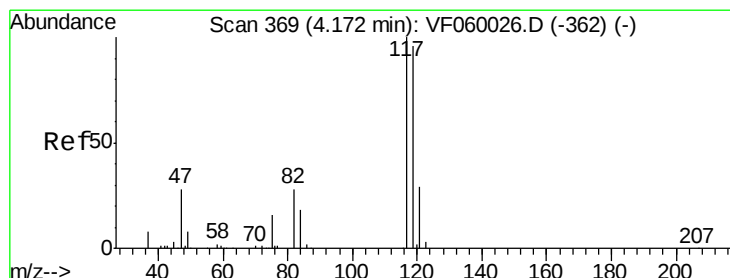
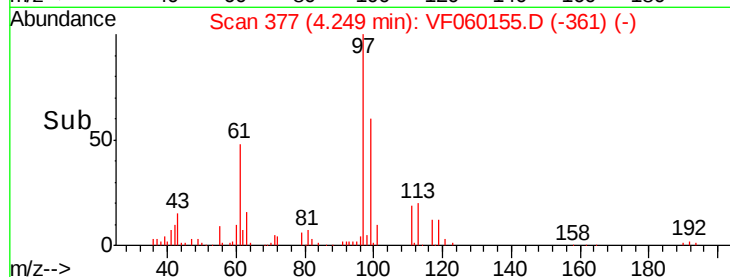
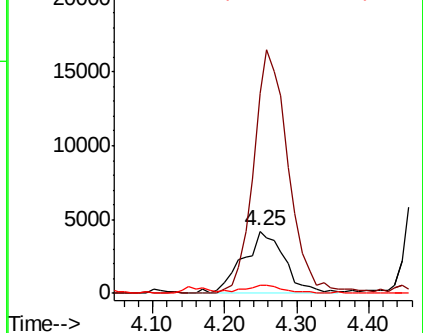
70 12.3 6.4 9.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 70.88 ug/l

RT: 4.16 min Scan# 368

Delta R.T. -0.01 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

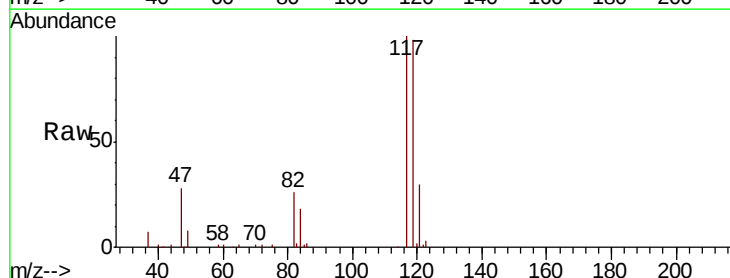
Tgt Ion: 117 Resp: 102103

Ion Ratio Lower Upper

117 100

119 98.3 76.5 114.7

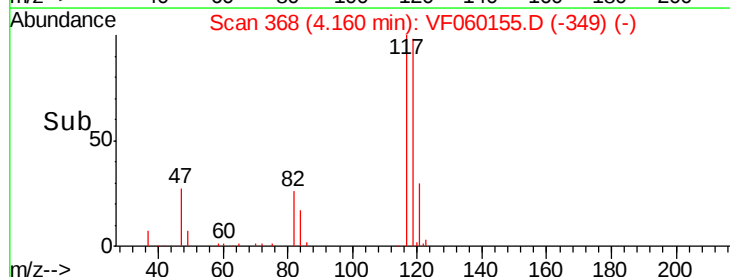
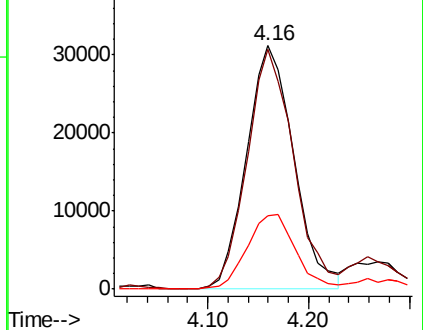
121 30.1 23.0 34.6

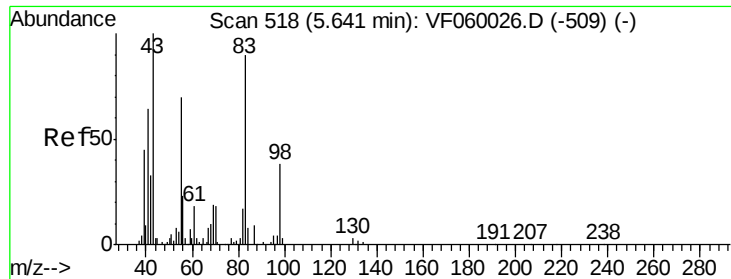


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

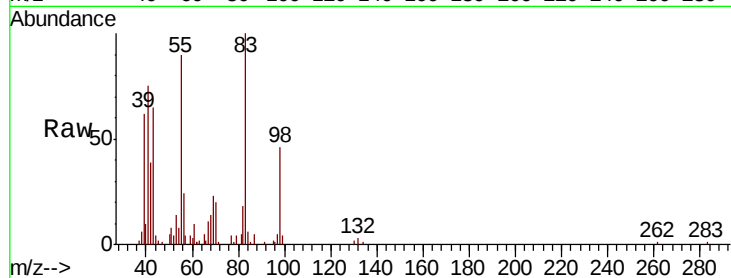




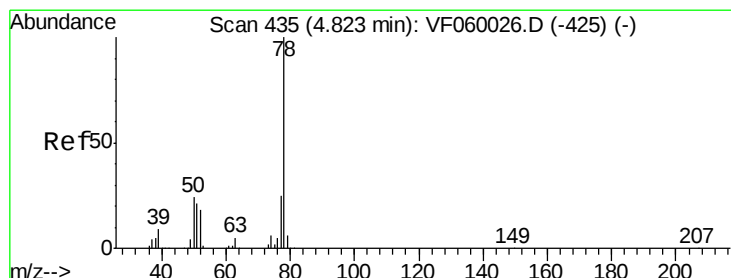
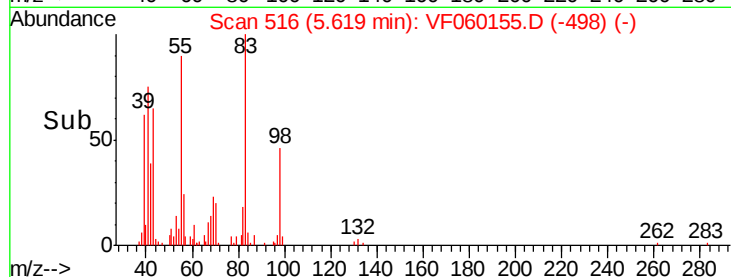
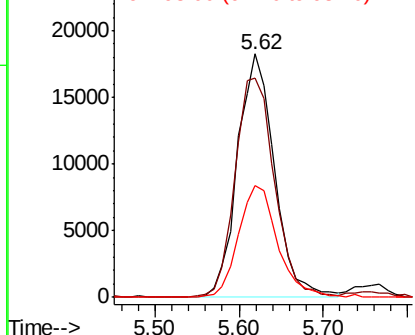
#39
Methvlcvclohexane
Concen: 48.15 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF060155.D
Acq: 28 Aug 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q4-A7MSD

Tot Ion: 83 Resp: 56162
Ion Ratio Lower Upper
83 100
55 90.3 62.7 94.1
98 46.1 33.8 50.8

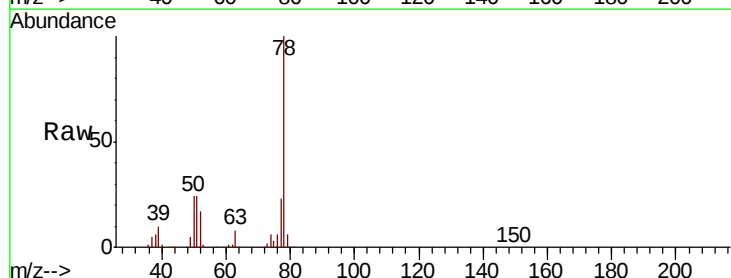


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

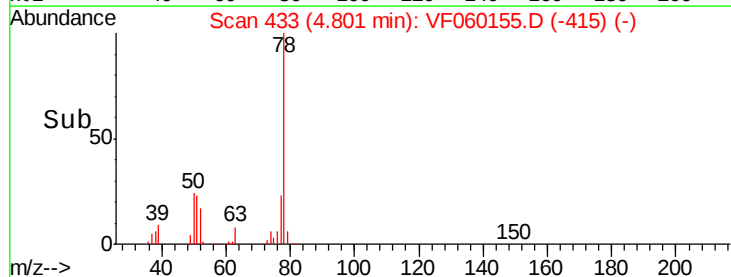
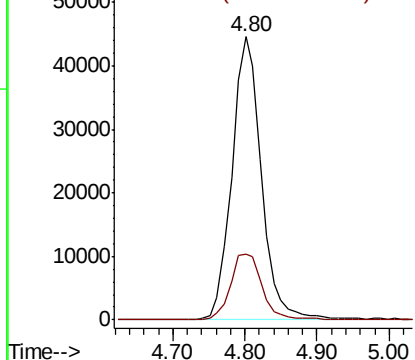


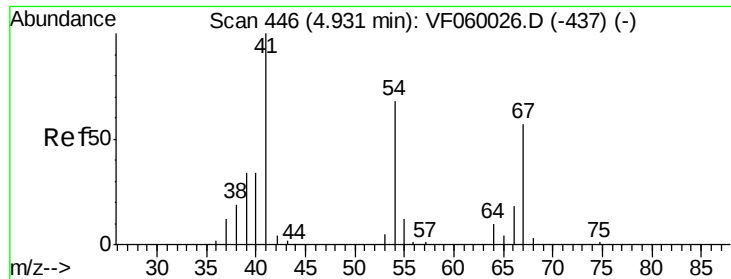
#40
Benzene
Concen: 46.65 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.02 min
Lab File: VF060155.D
Acq: 28 Aug 2018 17:40

Tgt Ion: 78 Resp: 126781
Ion Ratio Lower Upper
78 100
77 23.3 19.8 29.6



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0

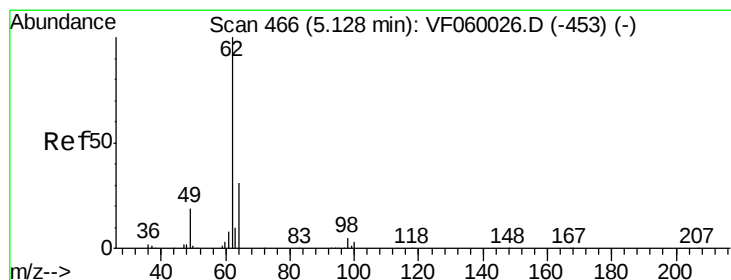
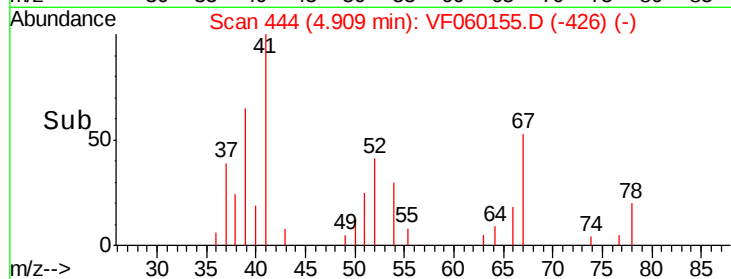
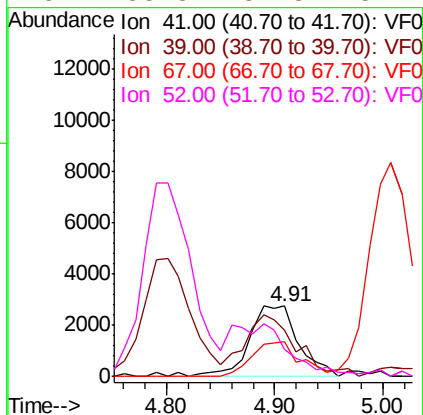
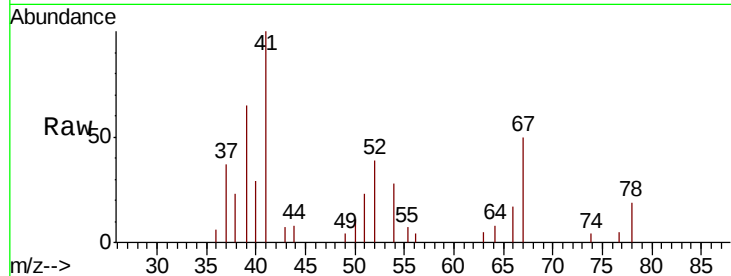




#41
Methacrylonitrile
Concen: 22.84 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.02 min
Lab File: VF060155.D
Acq: 28 Aug 2018 17:40

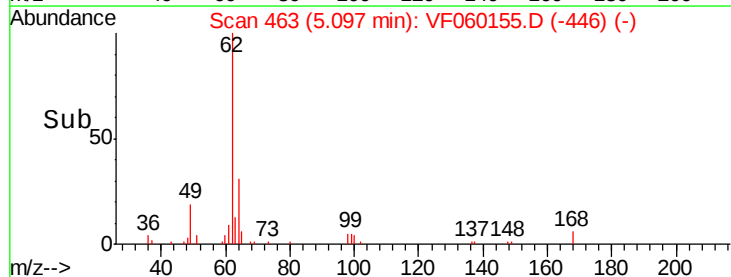
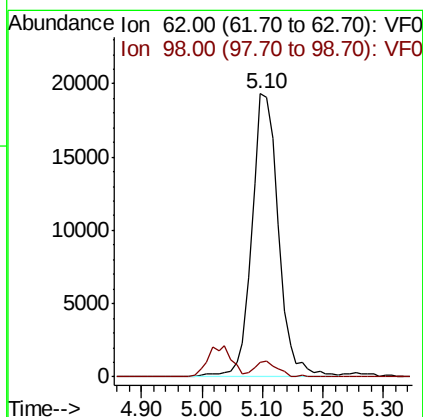
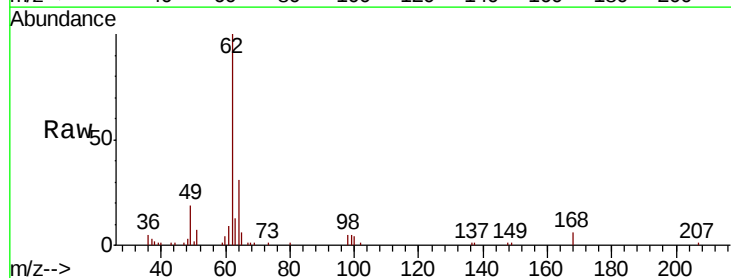
Instrument :
MSVOA_F
ClientSampleId :
EP1-Q4-A7MSD

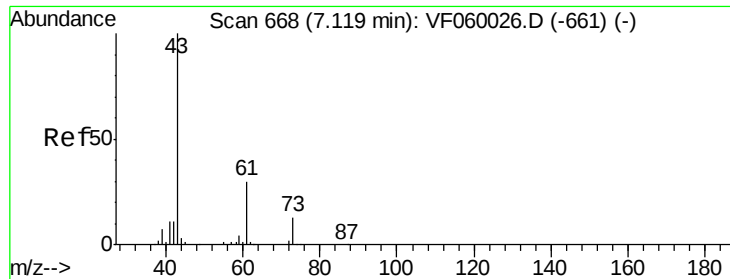
Tot Ion:	41	Resp:	8594
Ion	Ratio	Lower	Upper
41	100		
39	65.2	52.9	79.3
67	50.1	45.3	67.9
52	38.8	34.8	52.2



#42
1,2-Dichloroethane
Concen: 40.52 ug/l
RT: 5.10 min Scan# 463
Delta R.T. -0.03 min
Lab File: VF060155.D
Acq: 28 Aug 2018 17:40

Tgt Ion:	62	Resp:	59042
Ion	Ratio	Lower	Upper
62	100		
98	4.9	0.0	11.2





#43

Isopropyl Acetate

Concen: 19.79 ug/l

RT: 7.10 min Scan# 666

Delta R.T. -0.02 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q4-A7MSD

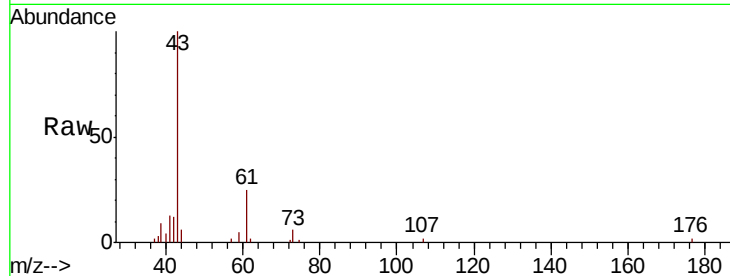
Tot Ion: 43 Resp: 18530

Ion Ratio Lower Upper

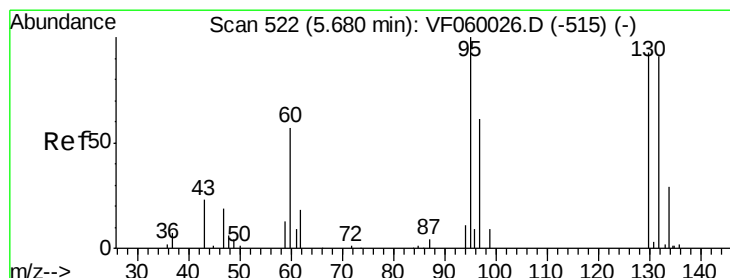
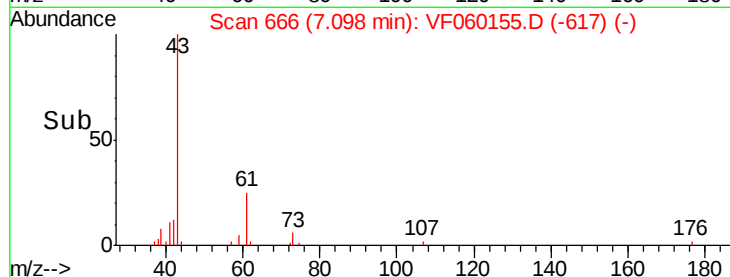
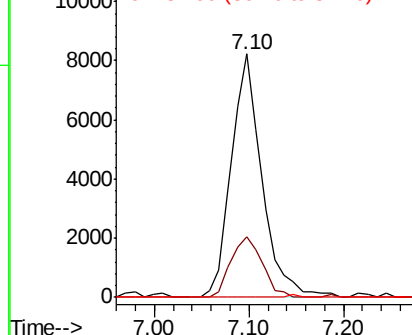
43 100

61 24.8 23.8 35.6

87 0.0 0.2 0.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 51.55 ug/l

RT: 5.67 min Scan# 521

Delta R.T. -0.01 min

Lab File: VF060155.D

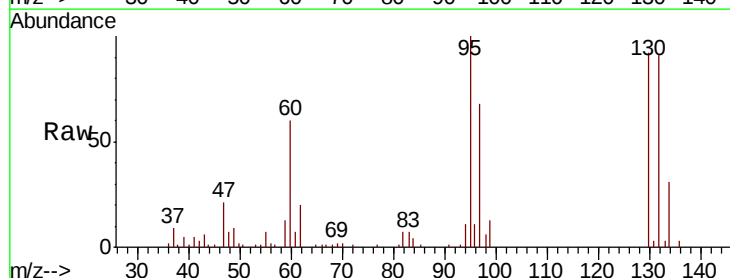
Acq: 28 Aug 2018 17:40

Tgt Ion: 130 Resp: 46310

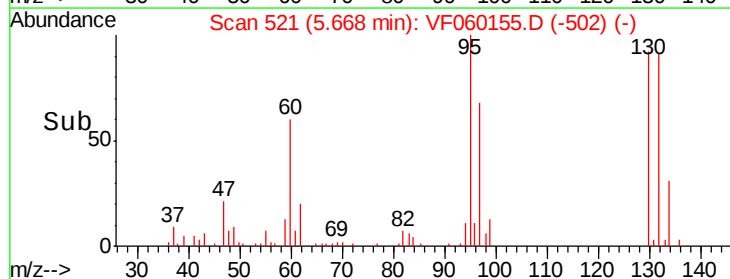
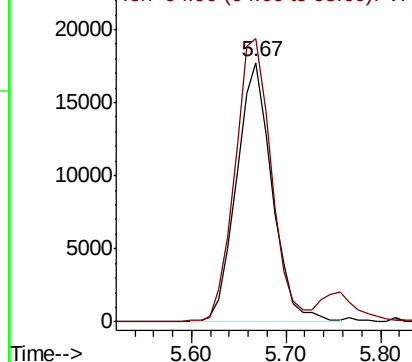
Ion Ratio Lower Upper

130 100

95 109.1 0.0 215.8



Abundance Ion 129.90 (129.60 to 130.60): V
Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 42.29 ug/l

RT: 6.39 min Scan# 594

Delta R.T. -0.02 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

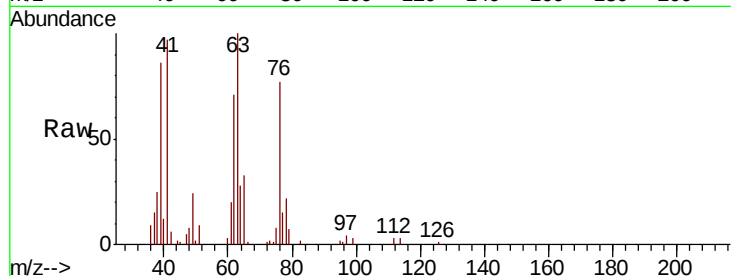
EP1-Q4-A7MSD

Tot Ion: 63 Resp: 32508

Ion Ratio Lower Upper

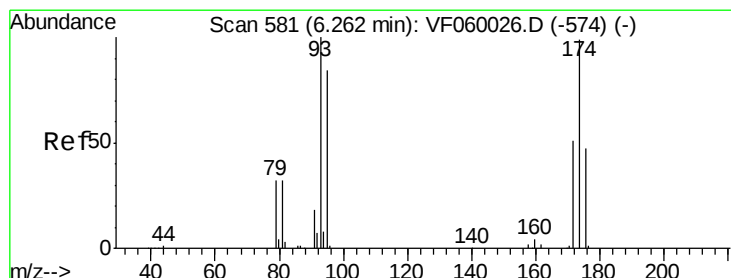
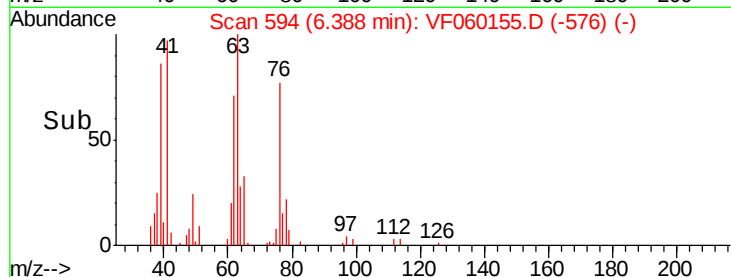
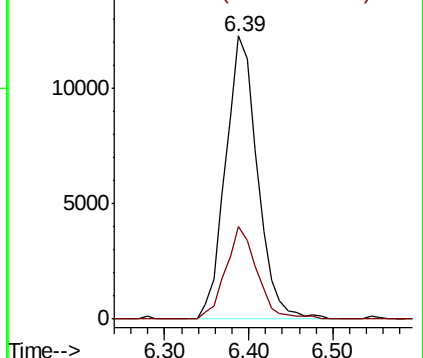
63 100

65 32.8 23.8 35.6



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 35.83 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.02 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

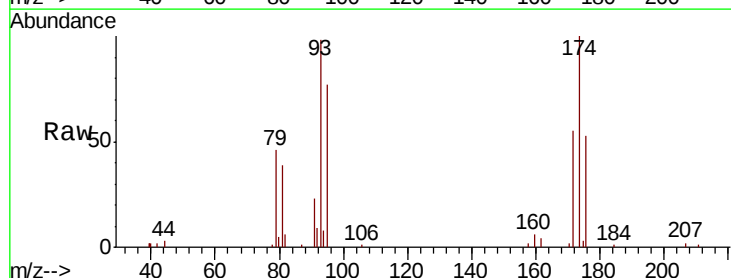
Tgt Ion: 93 Resp: 21551

Ion Ratio Lower Upper

93 100

95 78.4 67.1 100.7

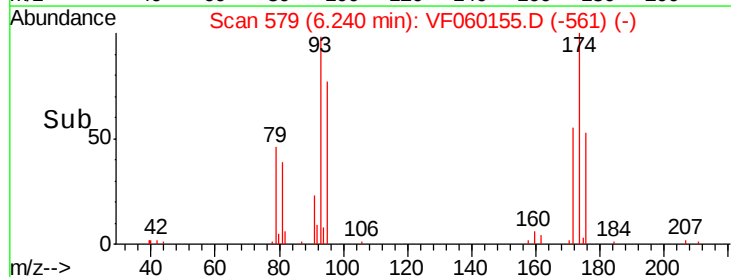
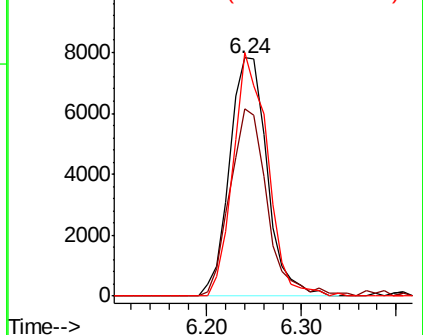
174 102.2 79.0 118.4

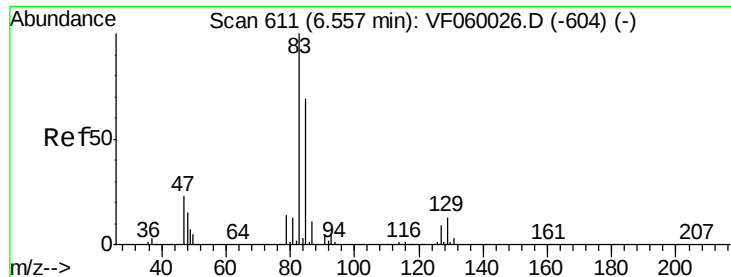


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 48.15 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.02 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q4-A7MSD

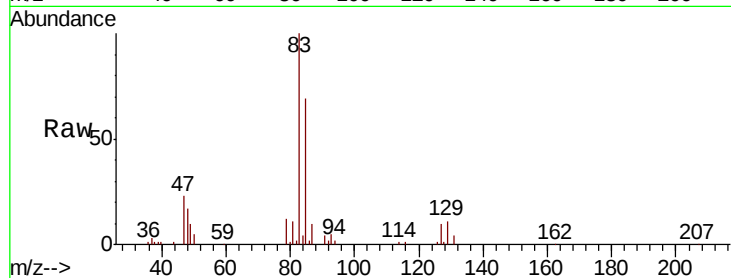
Tot Ion: 83 Resp: 69956

Ion Ratio Lower Upper

83 100

85 68.7 55.2 82.8

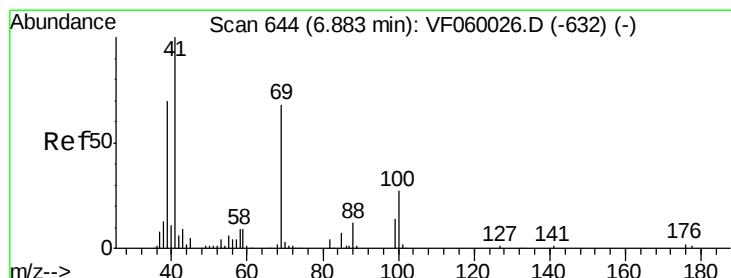
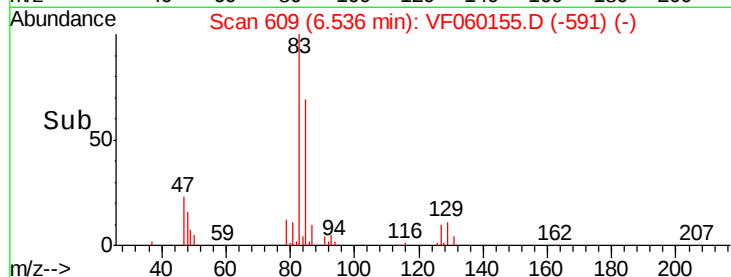
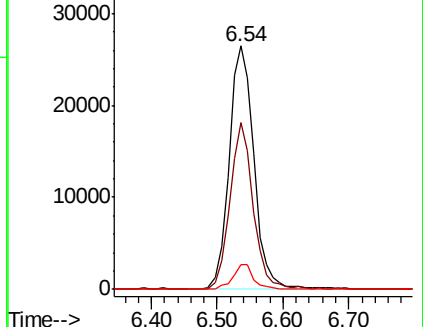
127 11.1 7.3 10.9#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 28.00 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.02 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

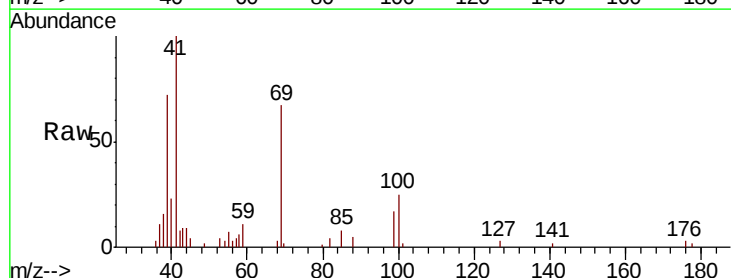
Tgt Ion: 41 Resp: 17348

Ion Ratio Lower Upper

41 100

69 67.4 54.6 81.8

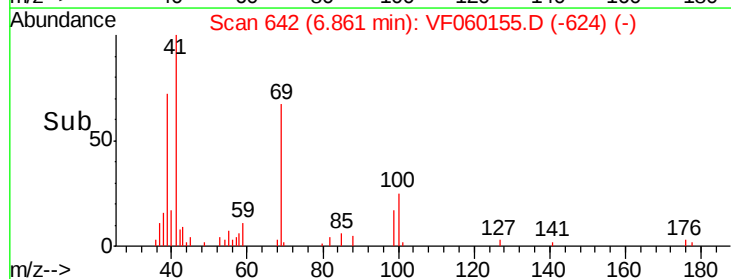
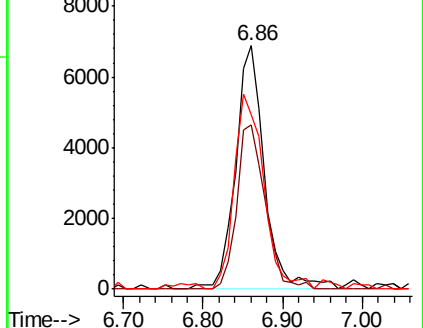
39 71.8 56.5 84.7

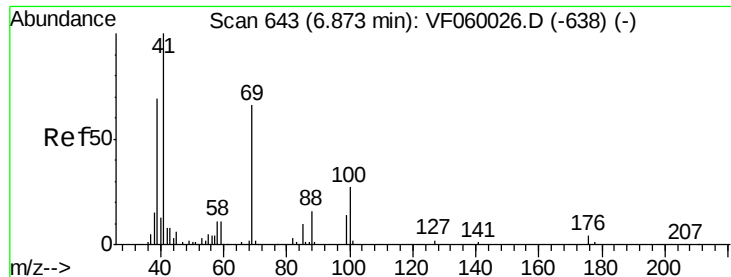


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 392.37 ug/l

RT: 6.84 min Scan# 640

Delta R.T. -0.03 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q4-A7MSD

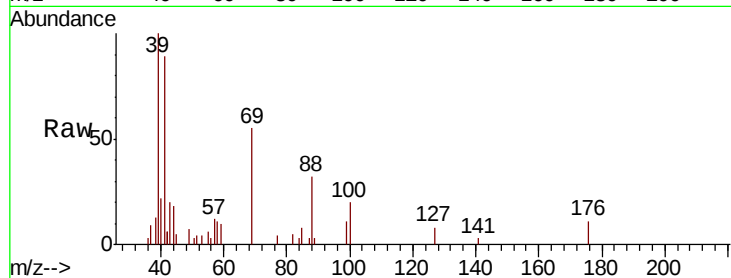
Tot Ion: 88 Resp: 2334

Ion Ratio Lower Upper

88 100

43 60.9 46.5 69.7

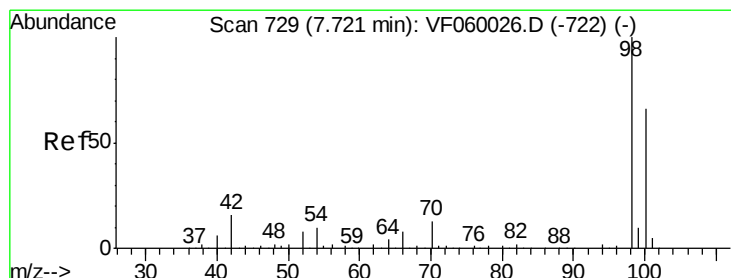
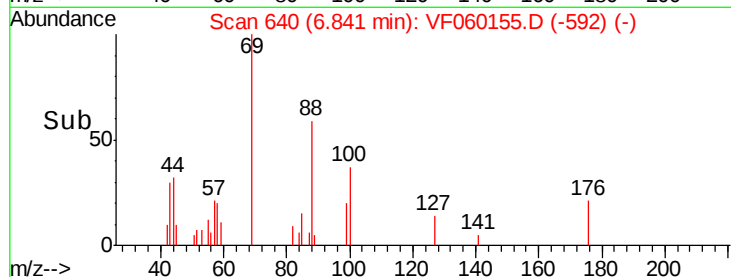
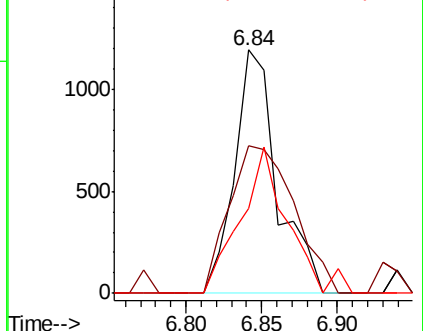
58 34.7 54.8 82.2#



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: 54.65 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.02 min

Lab File: VF060155.D

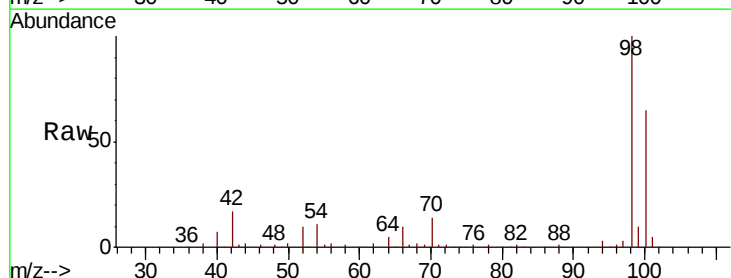
Acq: 28 Aug 2018 17:40

Tgt Ion: 98 Resp: 161332

Ion Ratio Lower Upper

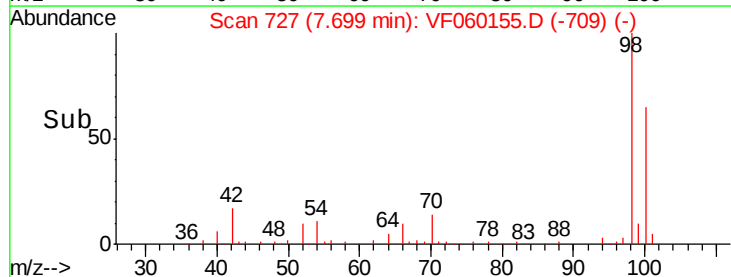
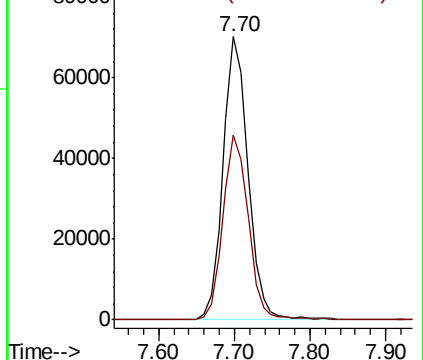
98 100

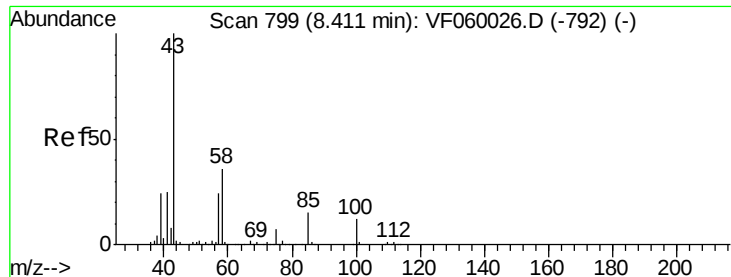
100 65.3 53.2 79.8



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 144.10 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.02 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

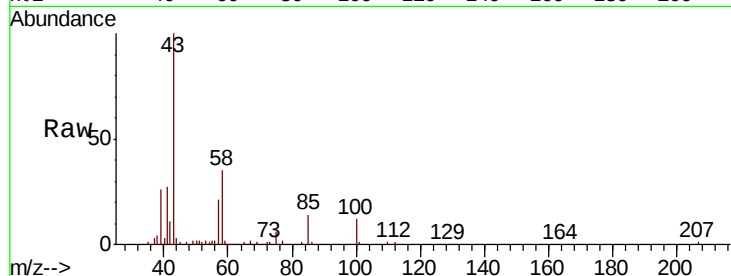
EP1-Q4-A7MSD

Tot Ion: 43 Resp: 116528

Ion Ratio Lower Upper

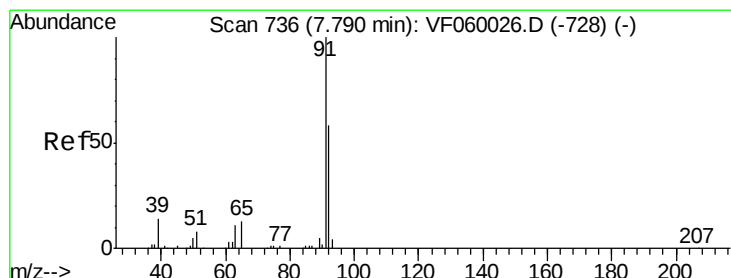
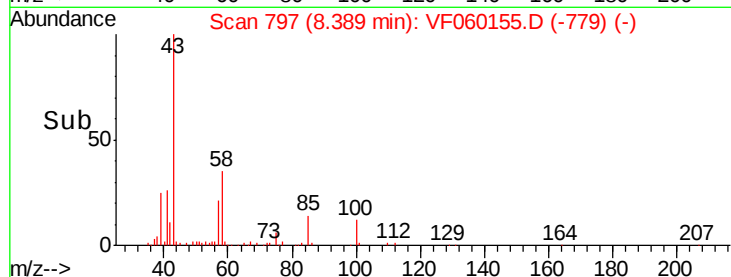
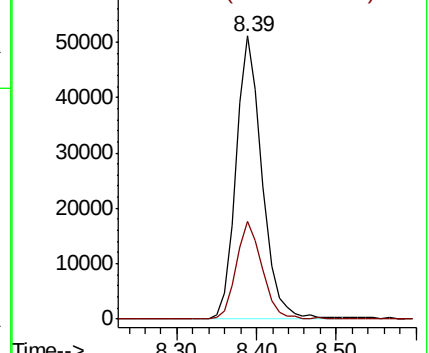
43 100

58 34.8 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 75.97 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.02 min

Lab File: VF060155.D

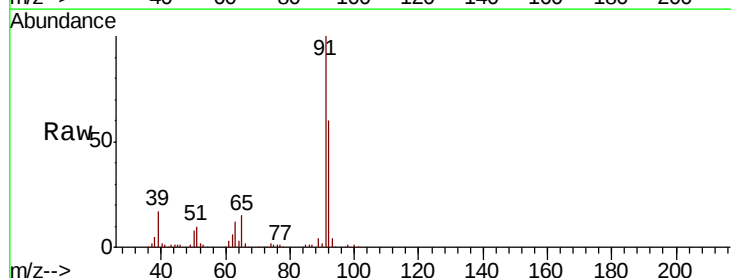
Acq: 28 Aug 2018 17:40

Tgt Ion: 92 Resp: 128353

Ion Ratio Lower Upper

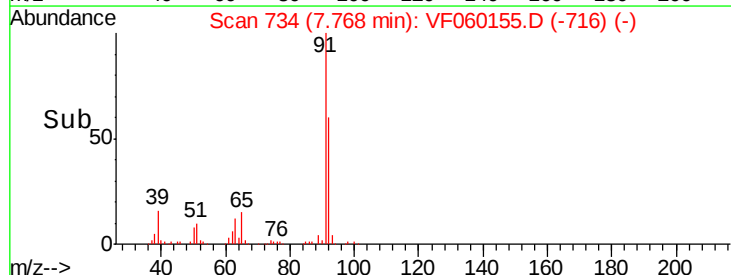
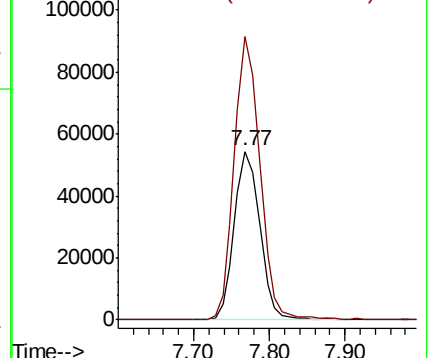
92 100

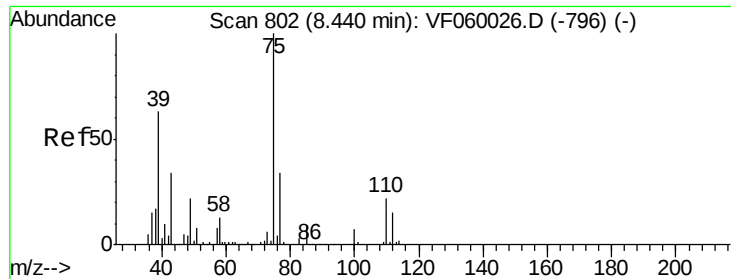
91 167.9 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 38.83 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.02 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

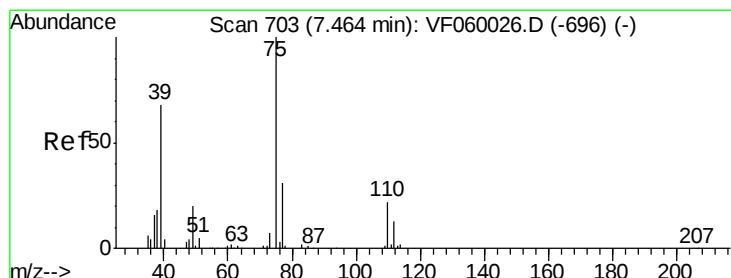
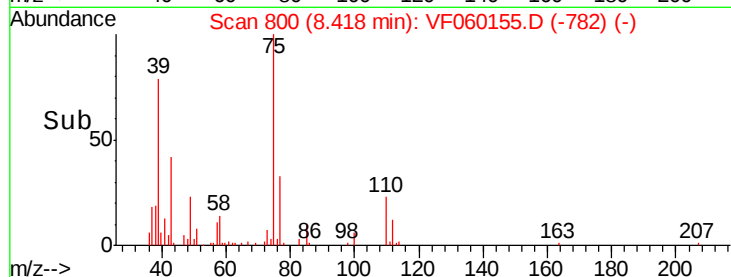
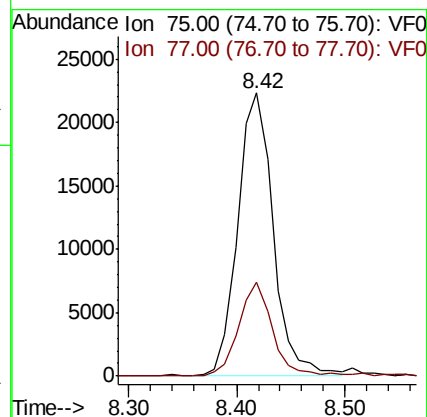
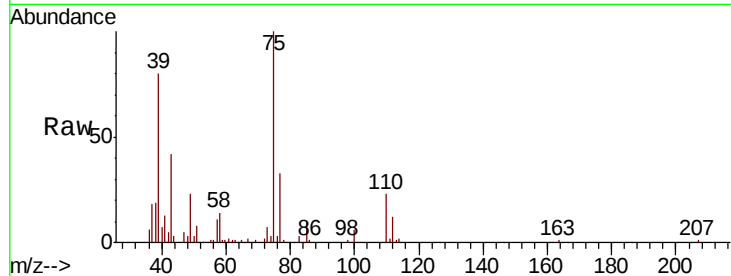
EP1-Q4-A7MSD

Tot Ion: 75 Resp: 51162

Ion Ratio Lower Upper

75 100

77 33.3 27.4 41.2



#54

cis-1,3-Dichloropropene

Concen: 39.05 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

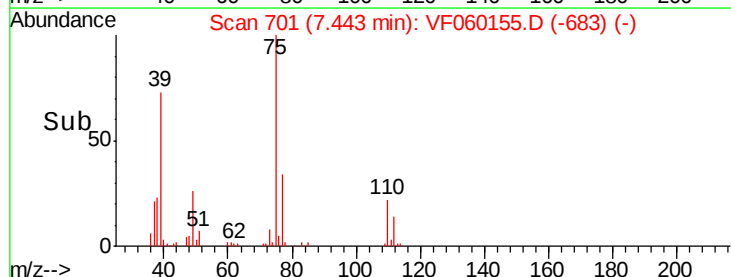
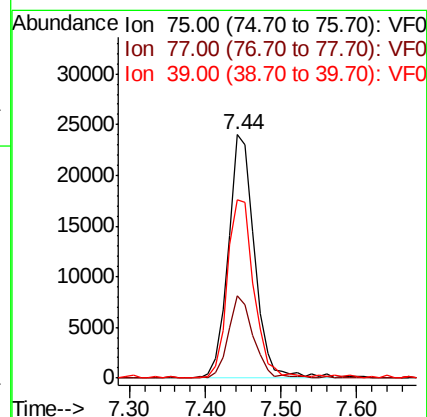
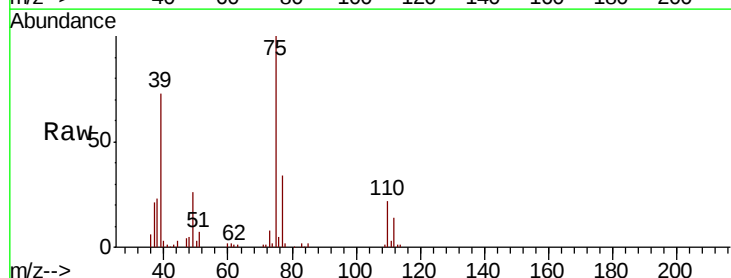
Tgt Ion: 75 Resp: 57426

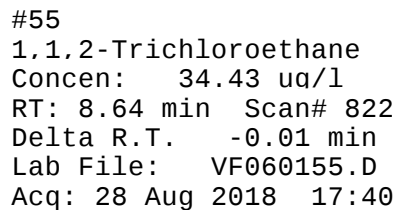
Ion Ratio Lower Upper

75 100

77 33.9 24.6 37.0

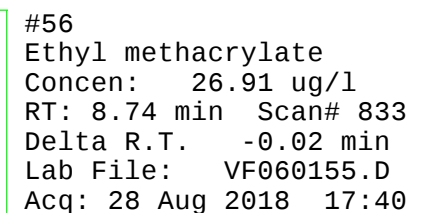
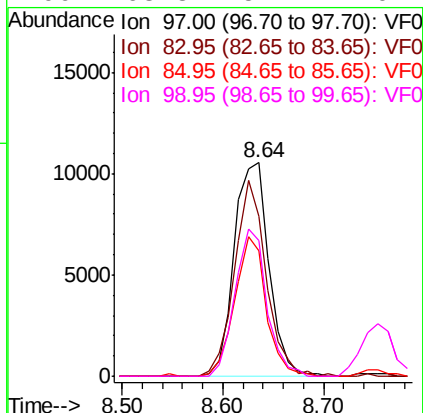
39 73.5 54.6 81.8



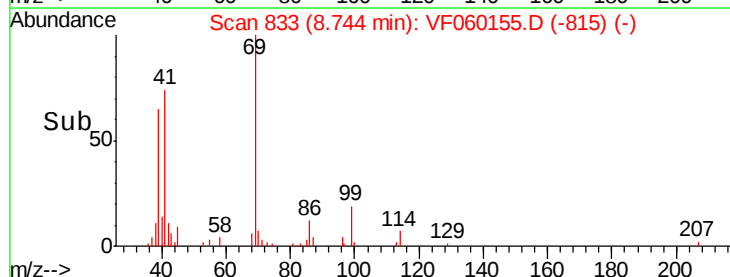
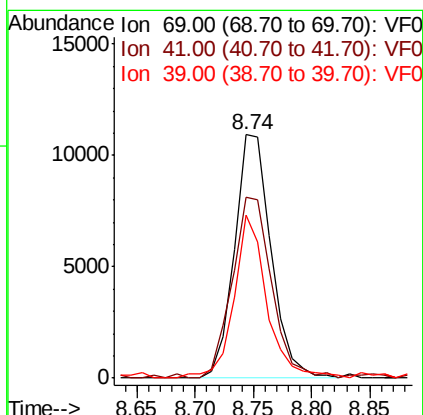


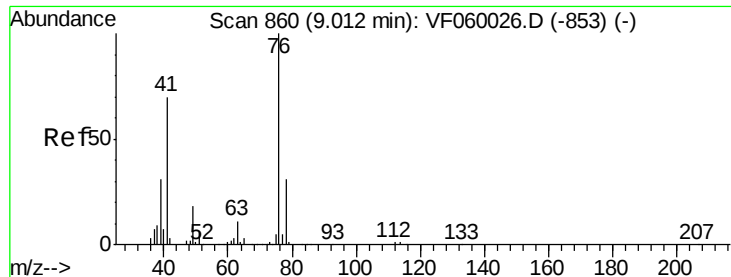
Instrument :
MSVOA_F
ClientSampleId :
EP1-Q4-A7MSD

Tat	Ion: 97	Resp:	25249
Ion	Ratio	Lower	Upper
97	100		
83	74.8	67.4	101.2
85	58.7	46.2	69.2
99	63.8	51.1	76.7



Tgt	Ion: 69	Resp:	23881
Ion	Ratio	Lower	Upper
69	100		
41	74.5	61.6	92.4
39	66.9	43.9	65.9#





#57

1,3-Dichloropropane

Concen: 31.65 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.02 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

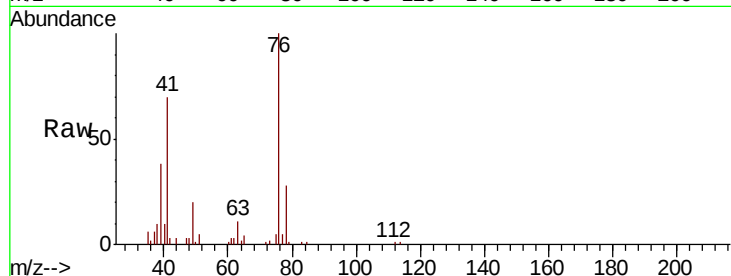
EP1-Q4-A7MSD

Tot Ion: 76 Resp: 40797

Ion Ratio Lower Upper

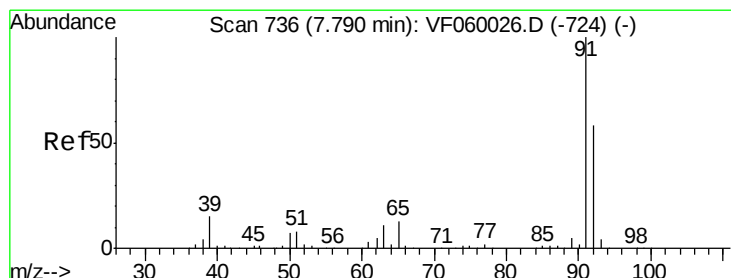
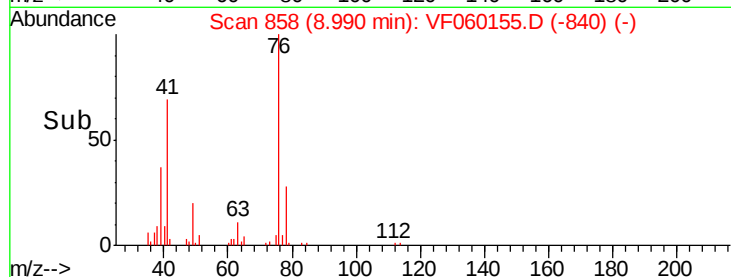
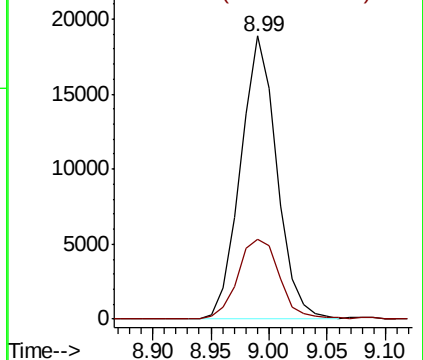
76 100

78 28.0 25.2 37.8



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 353.87 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.02 min

Lab File: VF060155.D

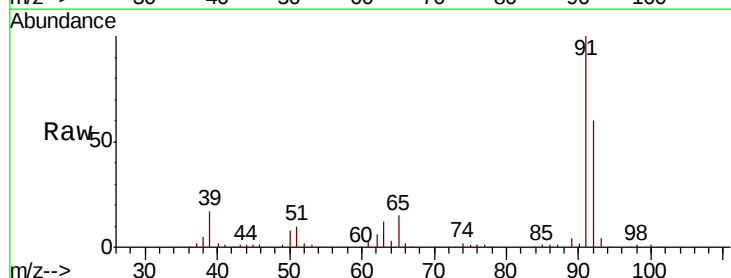
Acq: 28 Aug 2018 17:40

Tgt Ion: 63 Resp: 24931

Ion Ratio Lower Upper

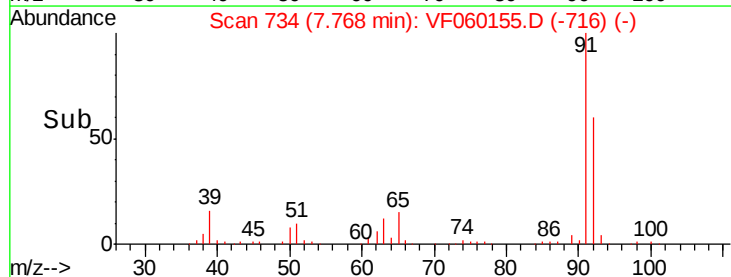
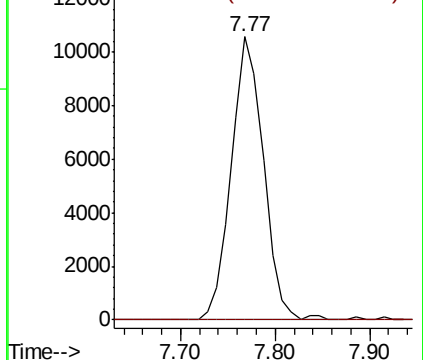
63 100

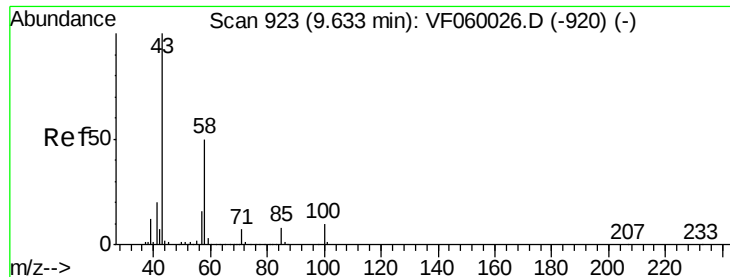
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

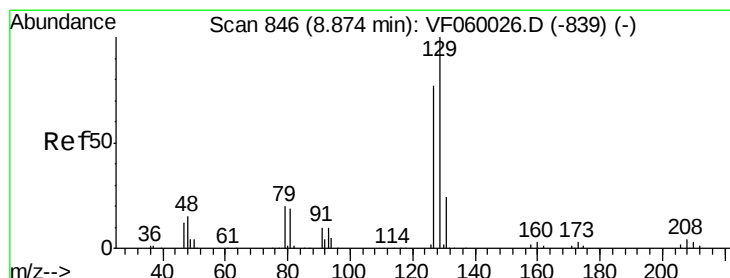
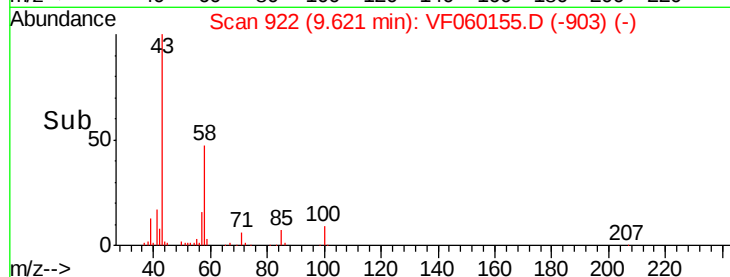
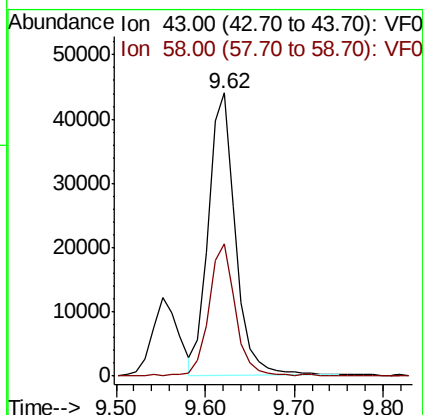
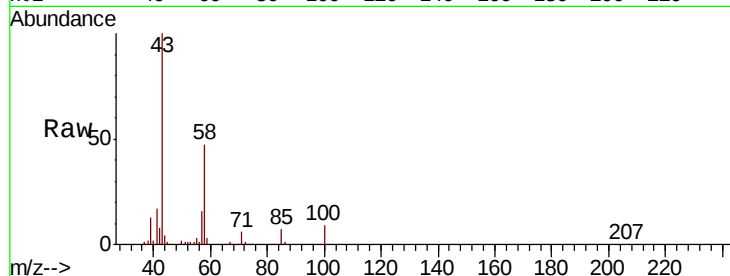




#59
2-Hexanone
Concen: 139.99 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF060155.D
Acq: 28 Aug 2018 17:40

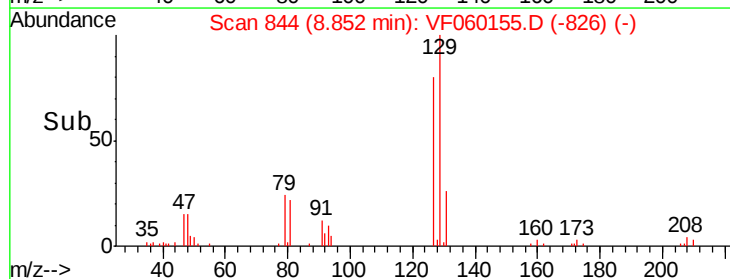
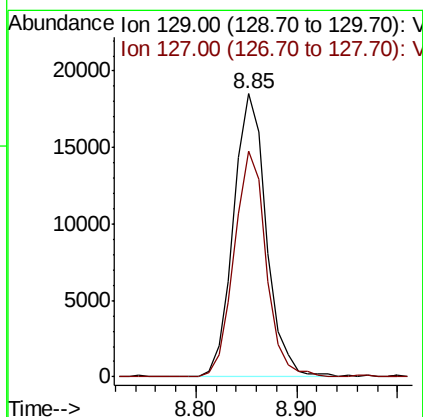
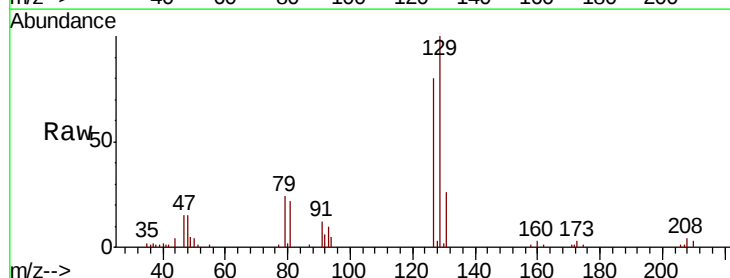
Instrument :
MSVOA_F
ClientSampleId :
EP1-Q4-A7MSD

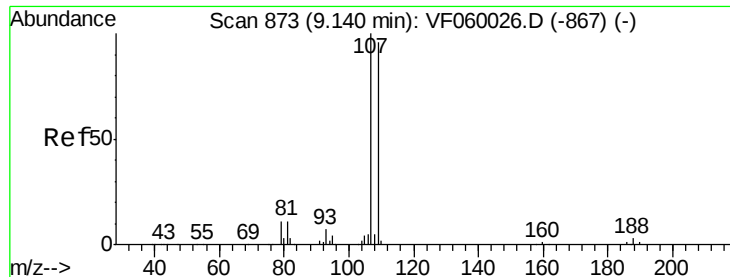
Tot Ion: 43 Resp: 91623
Ion Ratio Lower Upper
43 100
58 46.6 23.4 70.2



#60
Dibromochloromethane
Concen: 38.76 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.02 min
Lab File: VF060155.D
Acq: 28 Aug 2018 17:40

Tgt Ion:129 Resp: 41960
Ion Ratio Lower Upper
129 100
127 82.8 38.6 115.8





#61

1,2-Dibromoethane

Concen: 31.85 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

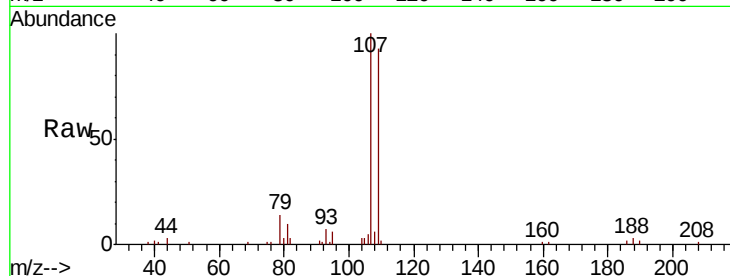
EP1-Q4-A7MSD

Tot Ion:107 Resp: 27430

Ion Ratio Lower Upper

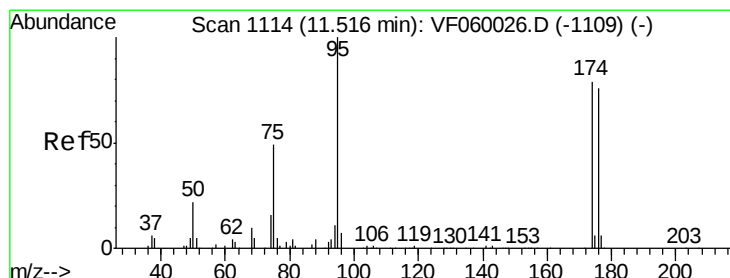
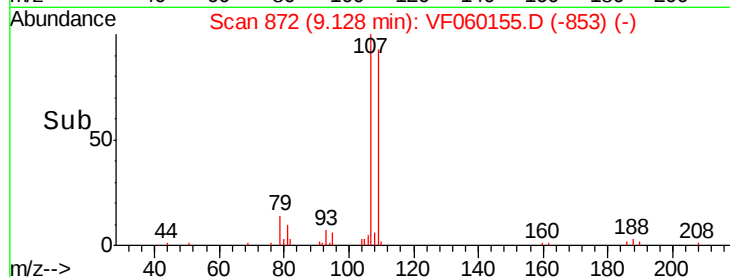
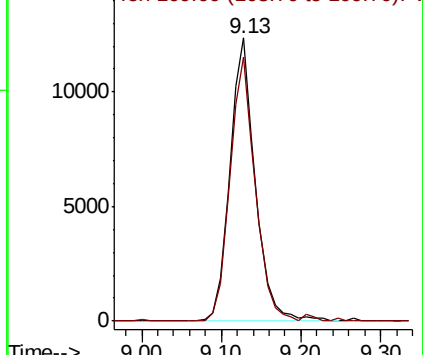
107 100

109 93.2 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 54.04 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

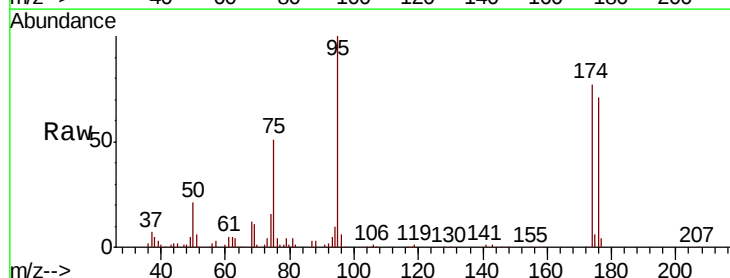
Tgt Ion: 95 Resp: 84401

Ion Ratio Lower Upper

95 100

174 76.9 0.0 158.4

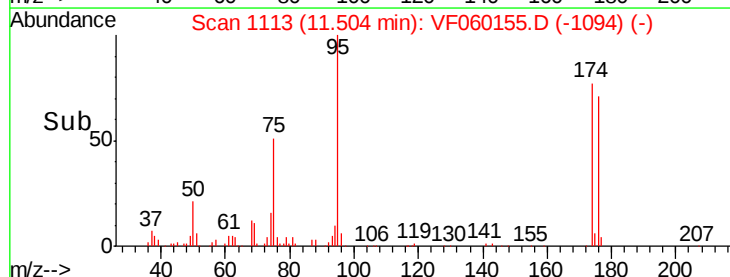
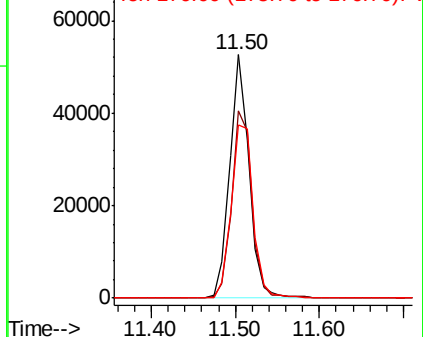
176 71.2 0.0 153.0

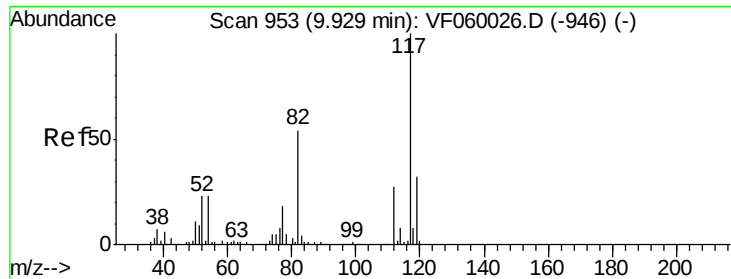


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

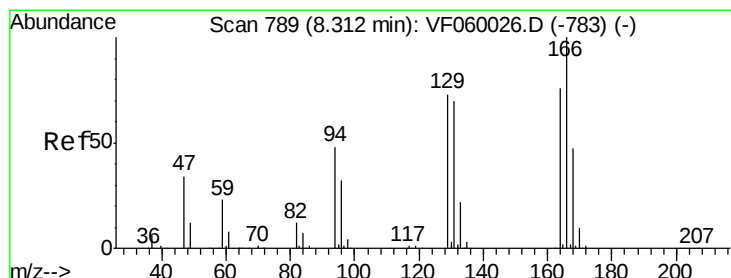
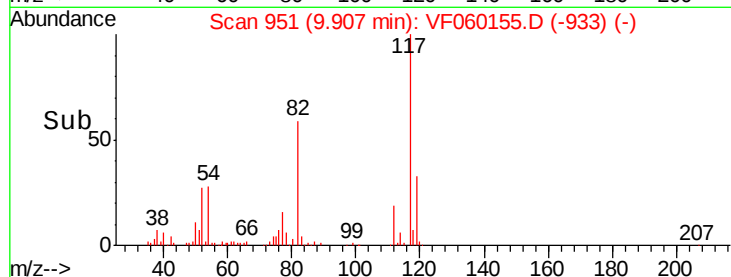
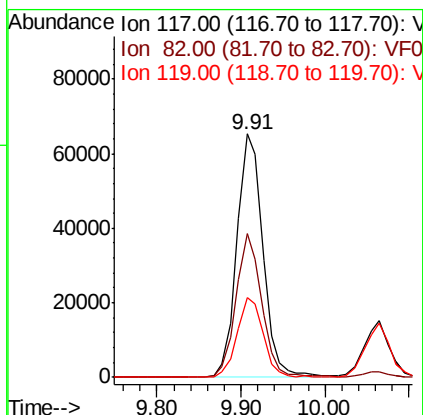
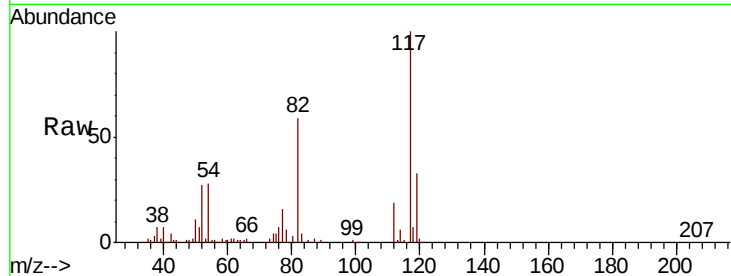




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.02 min
Lab File: VF060155.D
Acq: 28 Aug 2018 17:40

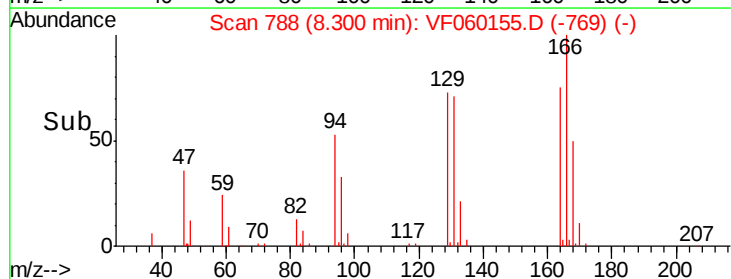
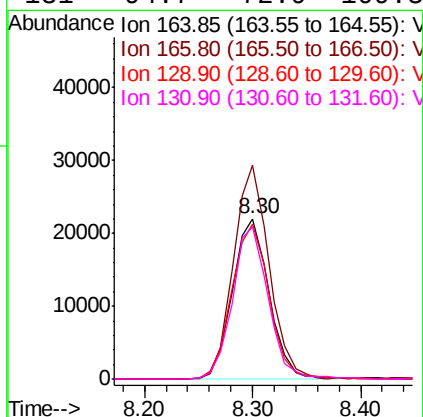
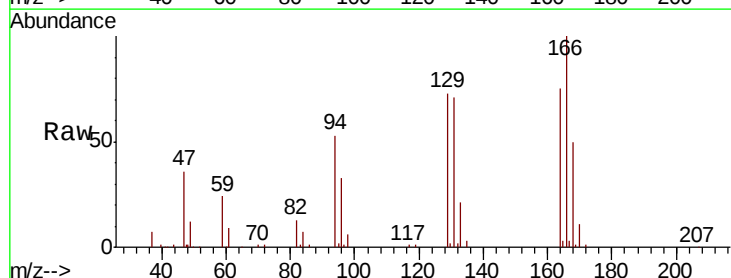
Instrument :
MSVOA_F
ClientSampleId :
EP1-Q4-A7MSD

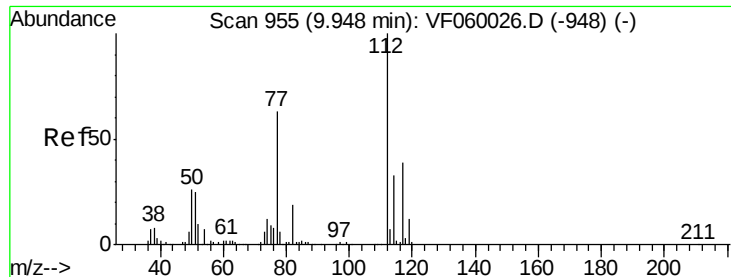
Tot Ion:117 Resp: 141733
Ion Ratio Lower Upper
117 100
82 59.1 43.6 65.4
119 32.8 25.6 38.4



#64
Tetrachloroethene
Concen: 54.42 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF060155.D
Acq: 28 Aug 2018 17:40

Tgt Ion:164 Resp: 51962
Ion Ratio Lower Upper
164 100
166 133.0 104.7 157.1
129 96.8 77.0 115.4
131 94.7 72.9 109.3





#65

Chlorobenzene

Concen: 52.00 ug/l

RT: 9.94 min Scan# 954

Delta R.T. -0.01 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

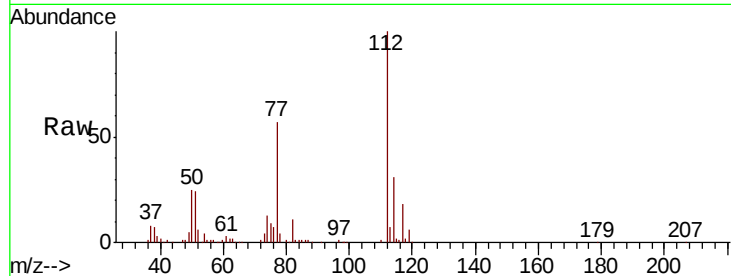
EP1-Q4-A7MSD

Tot Ion:112 Resp: 139178

Ion Ratio Lower Upper

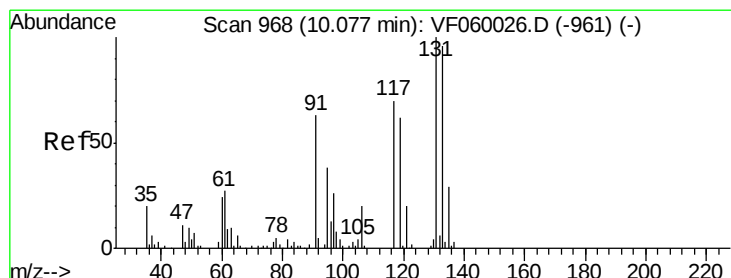
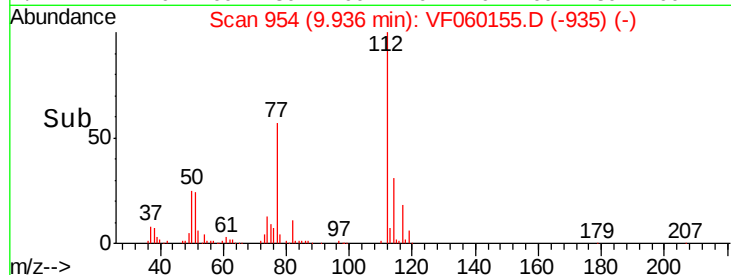
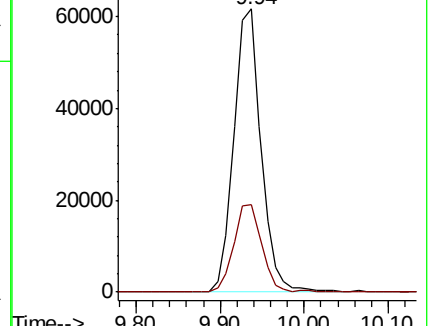
112 100

114 30.9 26.2 39.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 47.58 ug/l

RT: 10.06 min Scan# 967

Delta R.T. -0.01 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

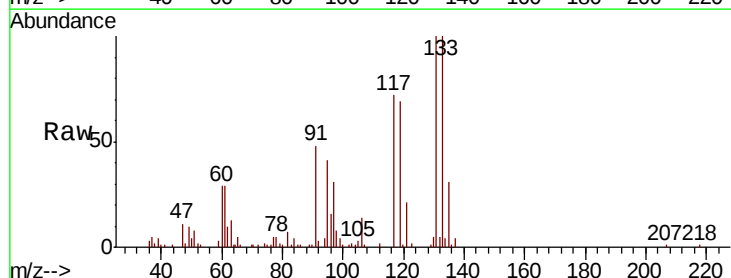
Tgt Ion:131 Resp: 48301

Ion Ratio Lower Upper

131 100

133 100.0 48.2 144.6

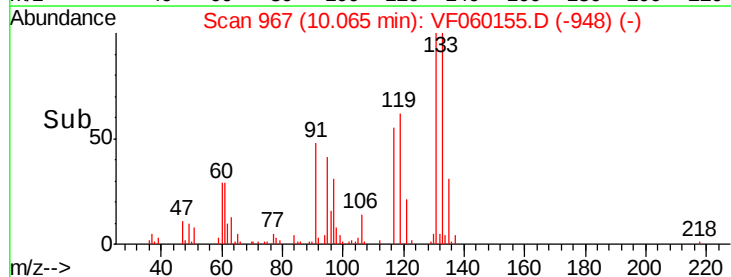
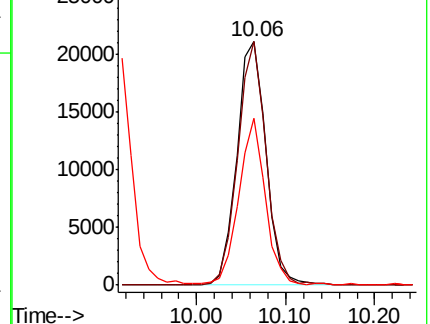
119 68.5 31.4 94.2

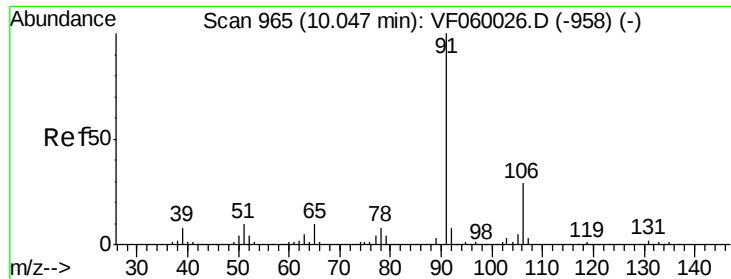


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

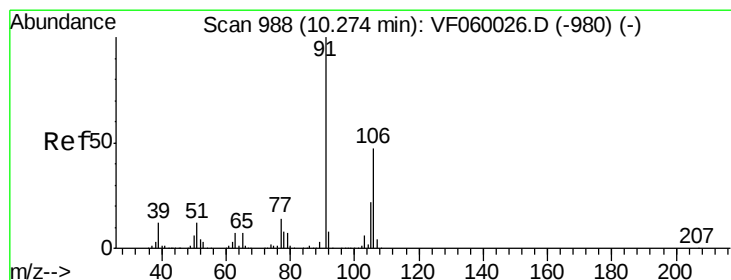
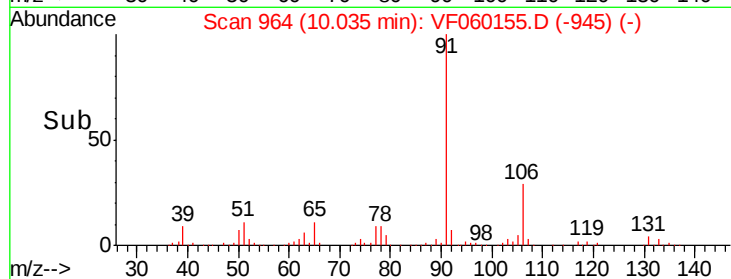
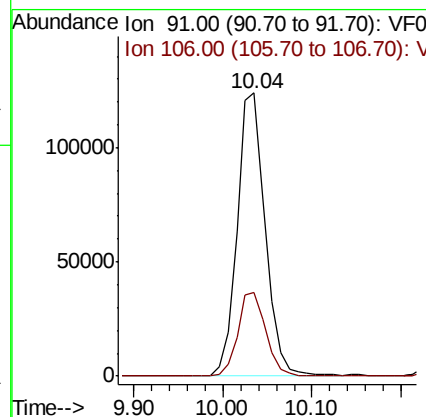
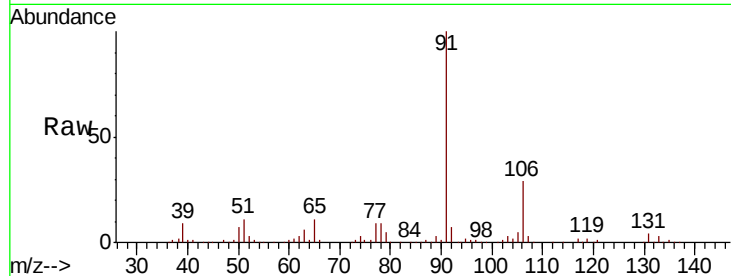




#67
Ethyl Benzene
Concen: 59.08 ug/l
RT: 10.04 min Scan# 964
Delta R.T. -0.01 min
Lab File: VF060155.D
Acq: 28 Aug 2018 17:40

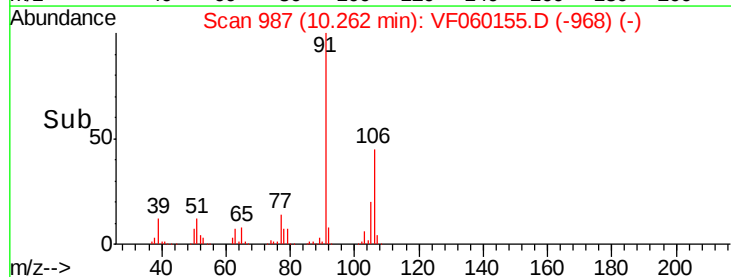
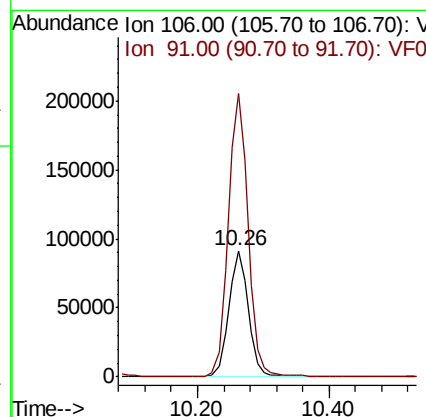
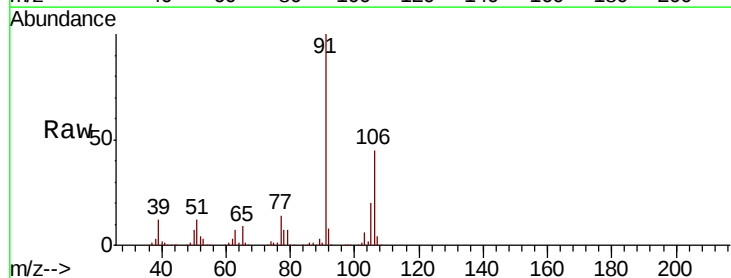
Instrument :
MSVOA_F
ClientSampleId :
EP1-Q4-A7MSD

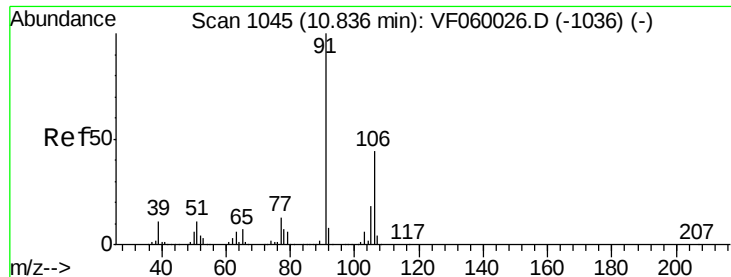
Tot Ion: 91 Resp: 272813
Ion Ratio Lower Upper
91 100
106 29.5 23.6 35.4



#68
m/p-Xylenes
Concen: 129.14 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF060155.D
Acq: 28 Aug 2018 17:40

Tgt Ion:106 Resp: 190345
Ion Ratio Lower Upper
106 100
91 223.9 171.8 257.8

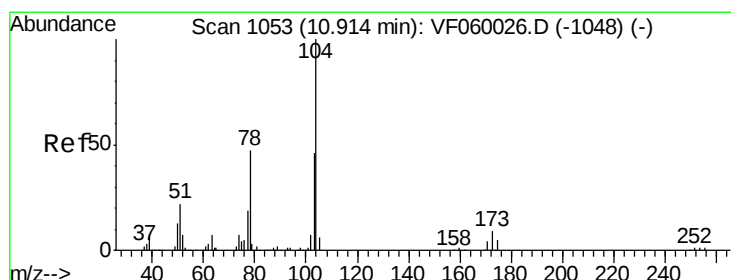
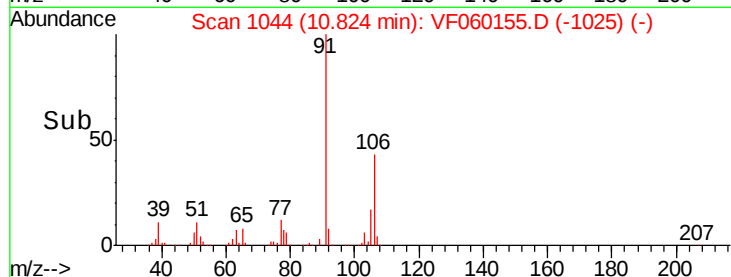
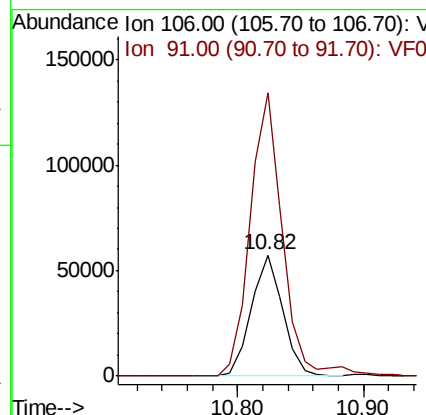
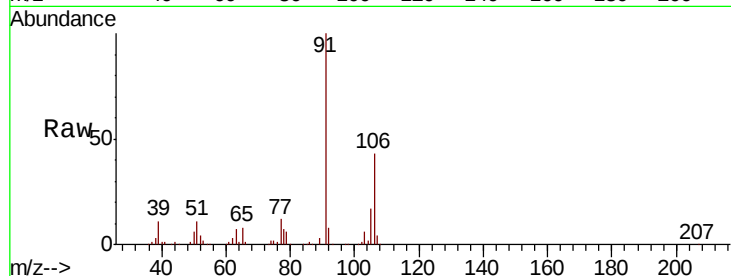




#69
o-Xylene
Concen: 55.16 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF060155.D
Acq: 28 Aug 2018 17:40

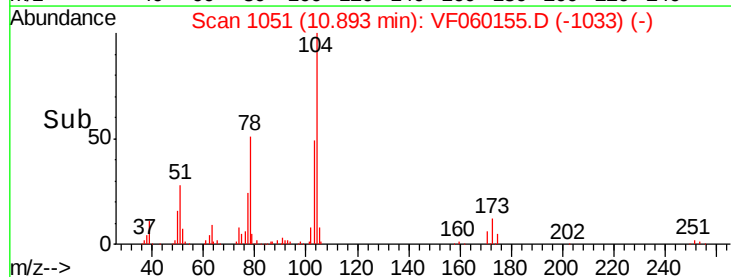
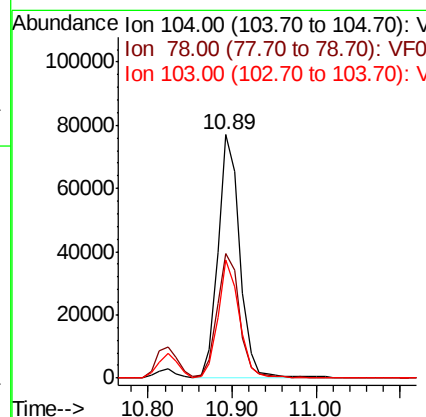
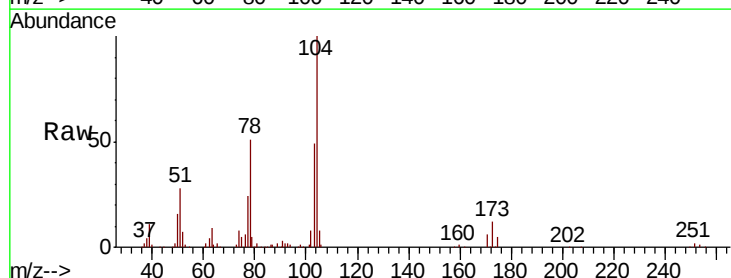
Instrument :
MSVOA_F
ClientSampleId :
EP1-Q4-A7MSD

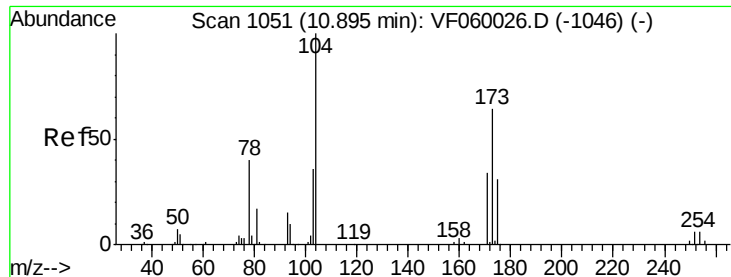
Tot Ion:106 Resp: 99794
Ion Ratio Lower Upper
106 100
91 234.2 112.5 337.5



#70
Styrene
Concen: 49.47 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.02 min
Lab File: VF060155.D
Acq: 28 Aug 2018 17:40

Tgt Ion:104 Resp: 137311
Ion Ratio Lower Upper
104 100
78 51.0 38.0 57.0
103 48.7 37.6 56.4





#71

Bromoform

Concen: 34.56 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q4-A7MSD

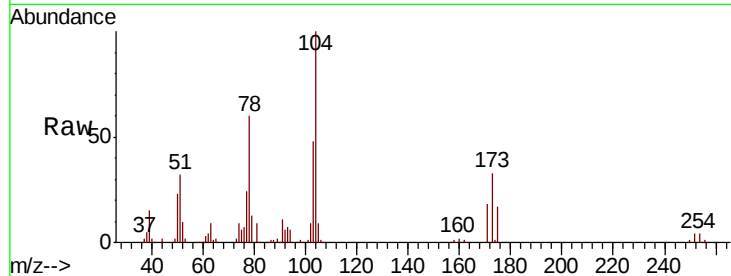
Tot Ion:173 Resp: 24474

Ion Ratio Lower Upper

173 100

175 52.8 24.7 74.1

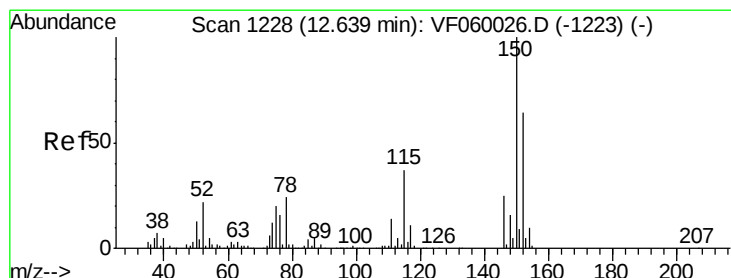
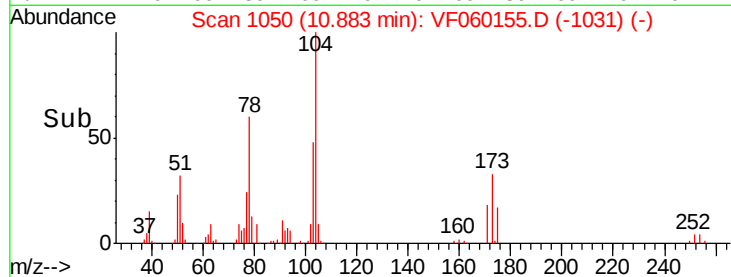
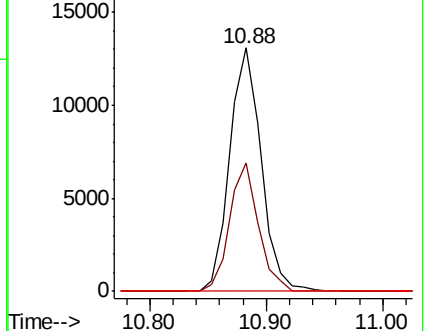
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

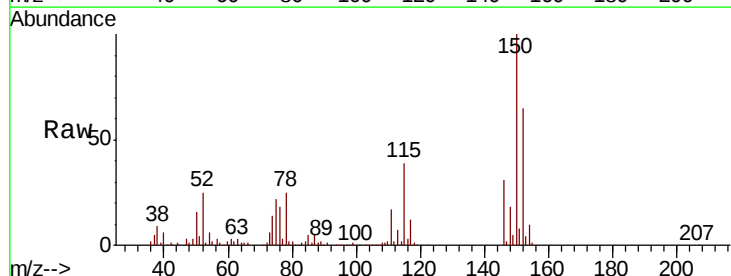
Tgt Ion:152 Resp: 81972

Ion Ratio Lower Upper

152 100

115 60.7 28.6 85.9

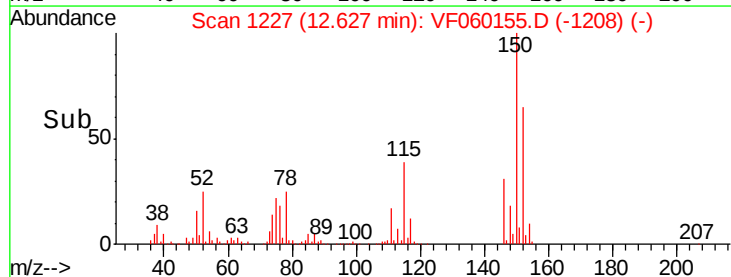
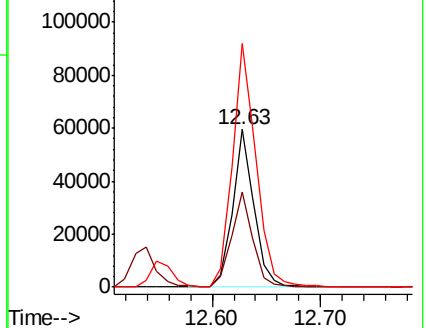
150 154.8 0.0 312.0

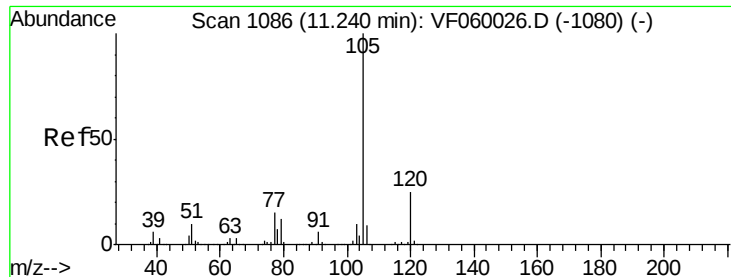


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 70.48 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

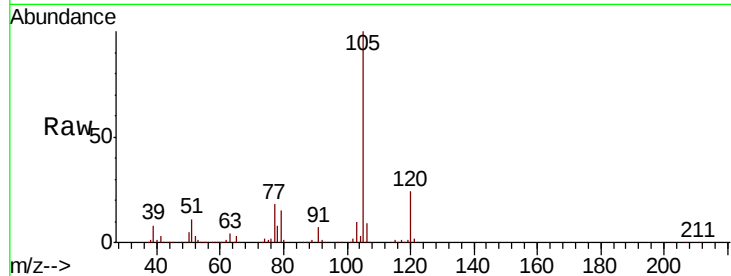
EP1-Q4-A7MSD

Tot Ion:105 Resp: 347769

Ion Ratio Lower Upper

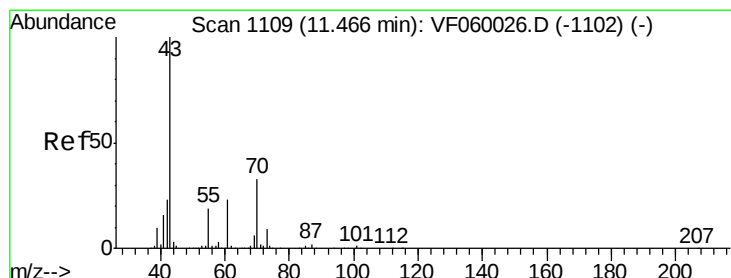
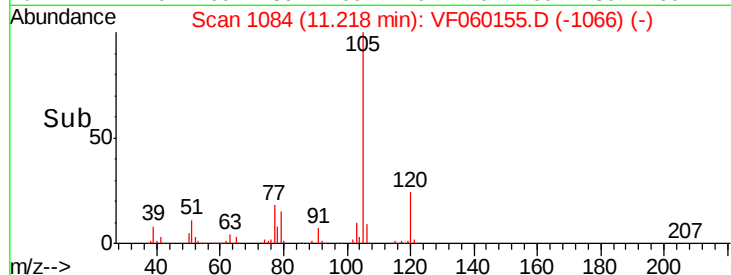
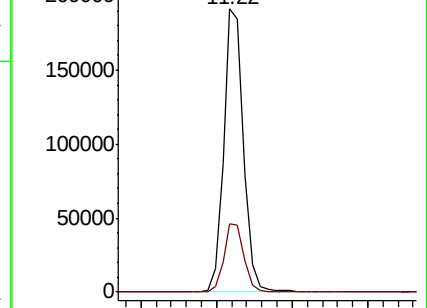
105 100

120 24.2 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 23.07 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

Tgt Ion: 43 Resp: 35379

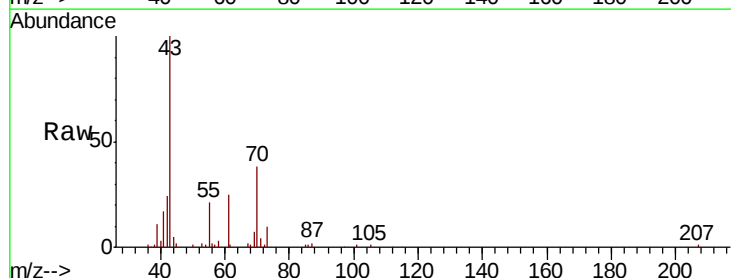
Ion Ratio Lower Upper

43 100

70 37.7 26.4 39.6

55 21.1 15.0 22.4

61 25.2 18.4 27.6

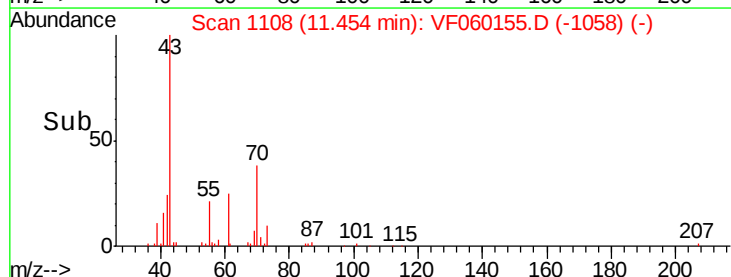
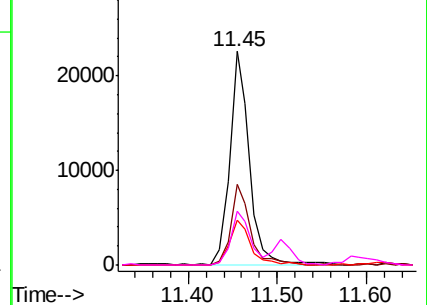


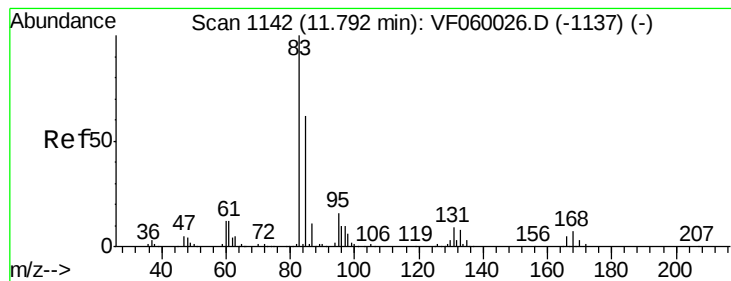
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 34.15 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q4-A7MSD

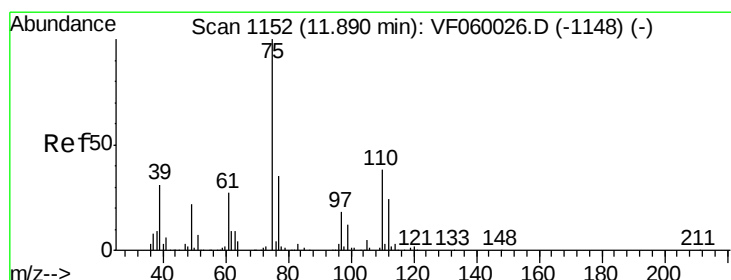
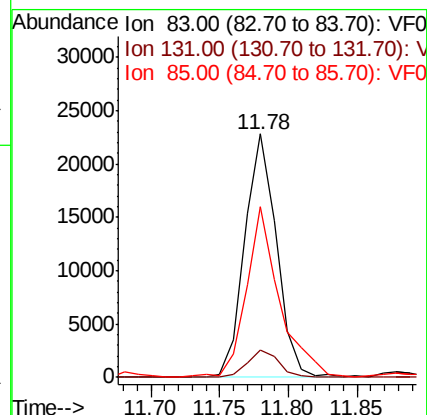
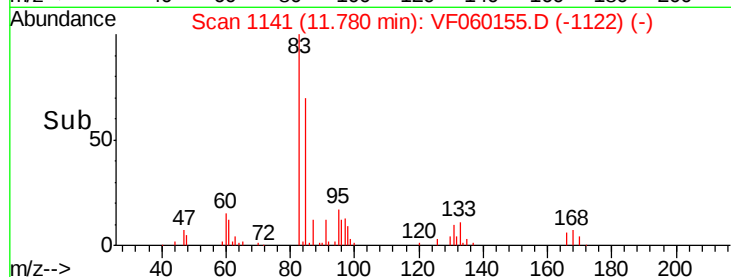
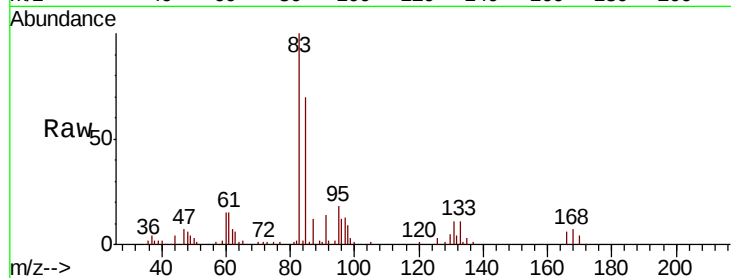
Tot Ion: 83 Resp: 36804

Ion Ratio Lower Upper

83 100

131 11.1 4.5 13.7

85 70.1 31.3 93.9



#76

1,2,3-Trichloropropane

Concen: 36.09 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF060155.D

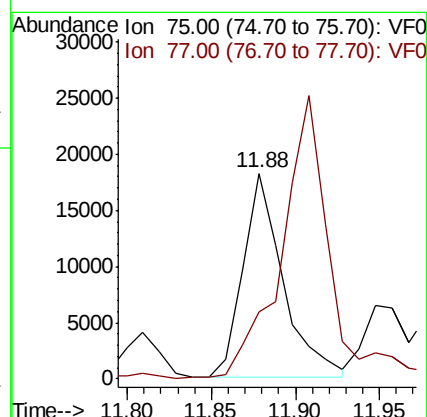
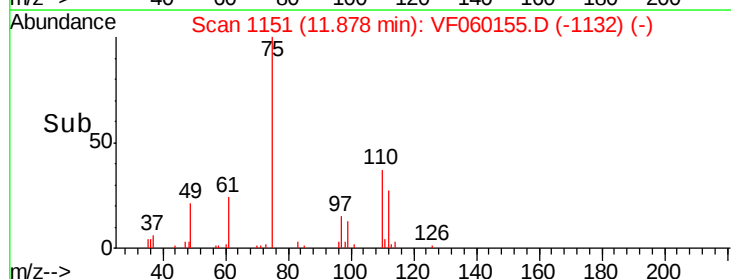
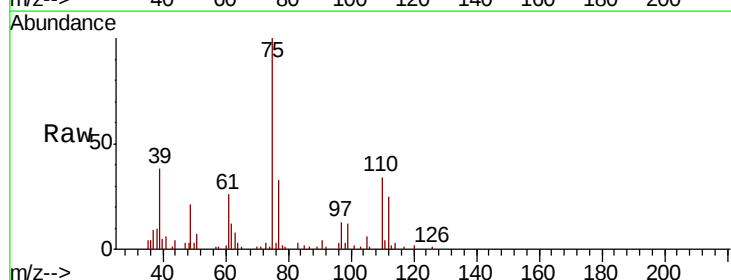
Acq: 28 Aug 2018 17:40

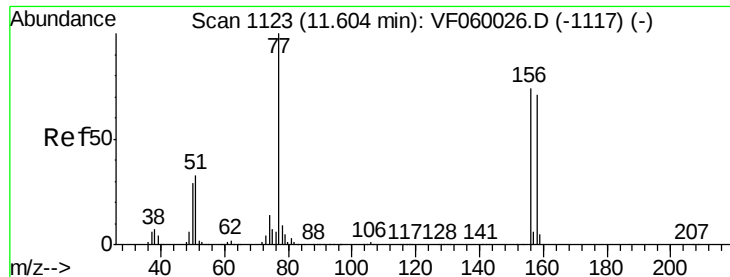
Tgt Ion: 75 Resp: 30158

Ion Ratio Lower Upper

75 100

77 32.7 17.3 52.0





#77

Bromobenzene

Concen: 49.04 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q4-A7MSD

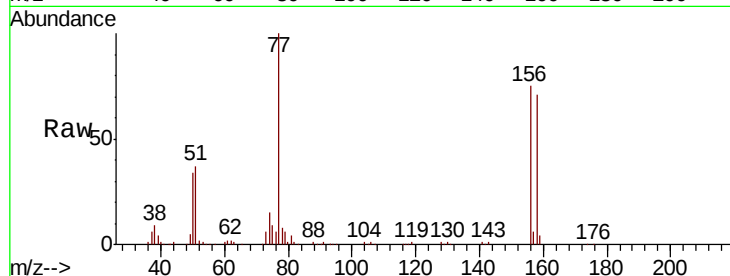
Tot Ion:156 Resp: 65812

Ion Ratio Lower Upper

156 100

77 134.1 68.0 204.0

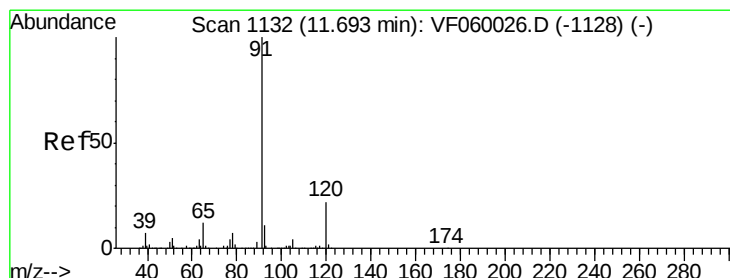
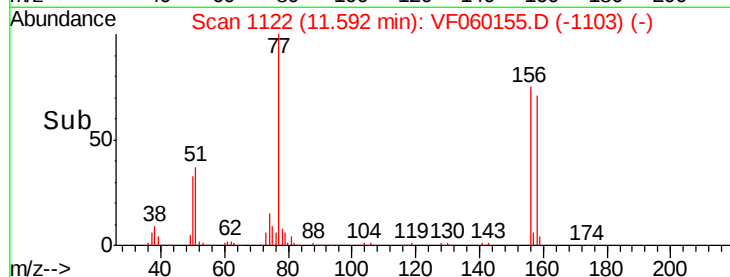
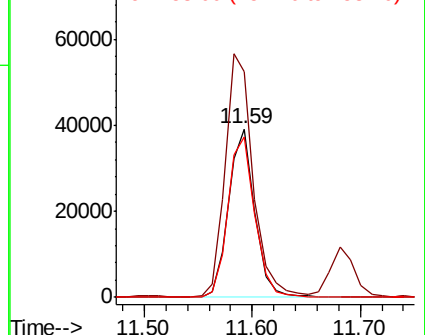
158 95.1 48.4 145.3



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 66.42 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF060155.D

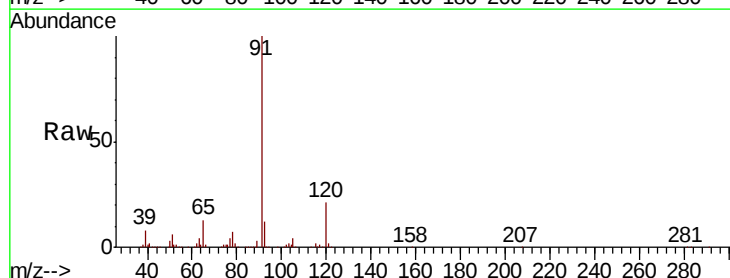
Acq: 28 Aug 2018 17:40

Tgt Ion: 91 Resp: 404491

Ion Ratio Lower Upper

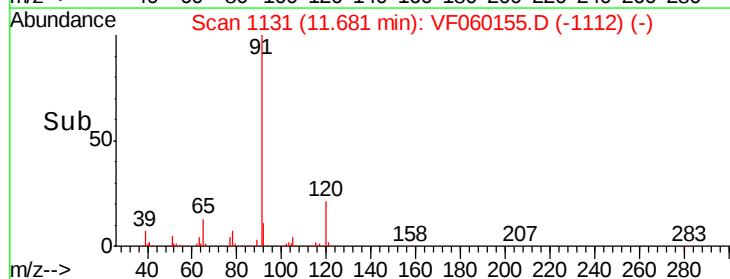
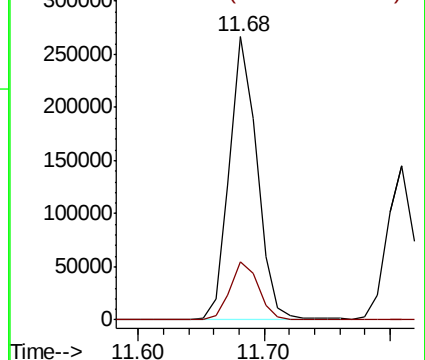
91 100

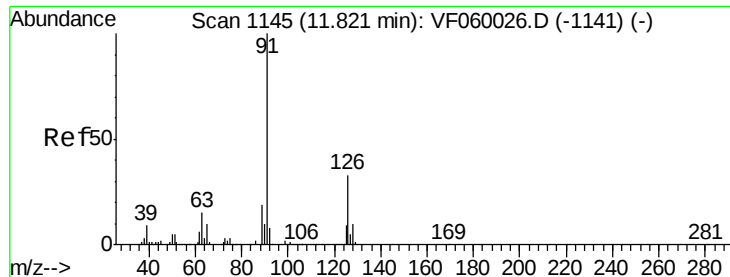
120 20.7 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

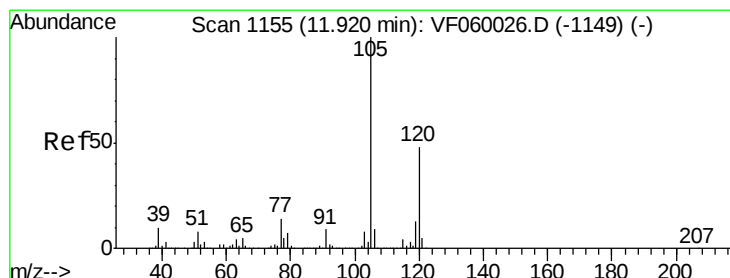
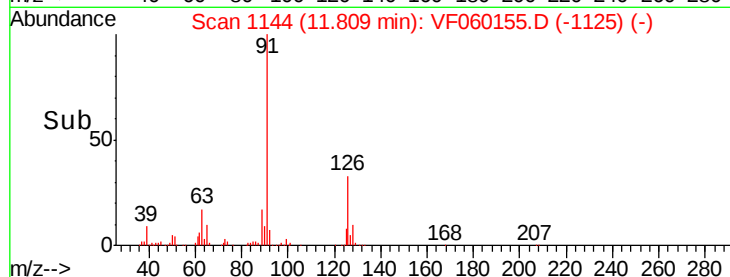
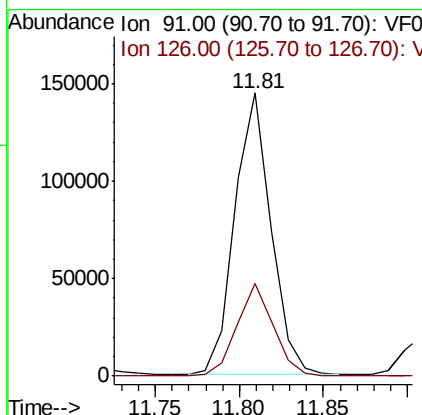
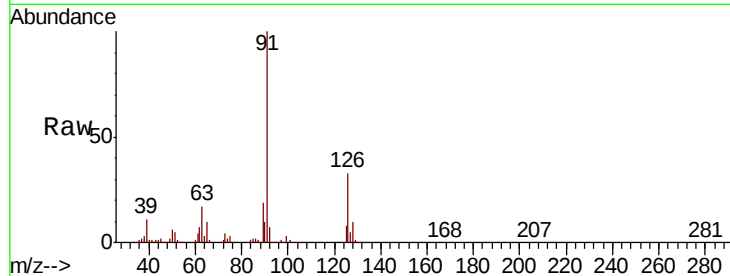




#79
2-Chlorotoluene
Concen: 60.41 ug/l
RT: 11.81 min Scan# 1144
Delta R.T. -0.01 min
Lab File: VF060155.D
Acq: 28 Aug 2018 17:40

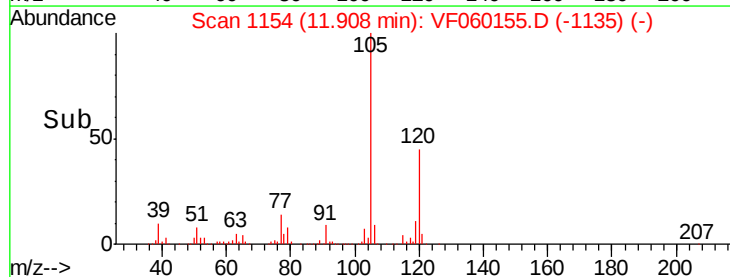
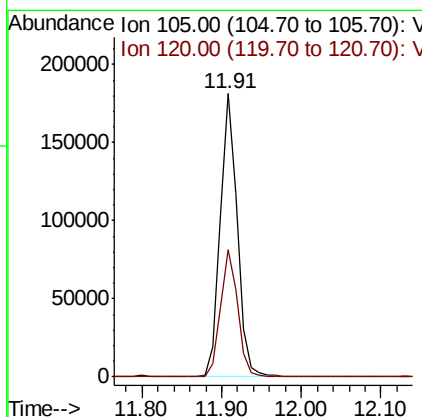
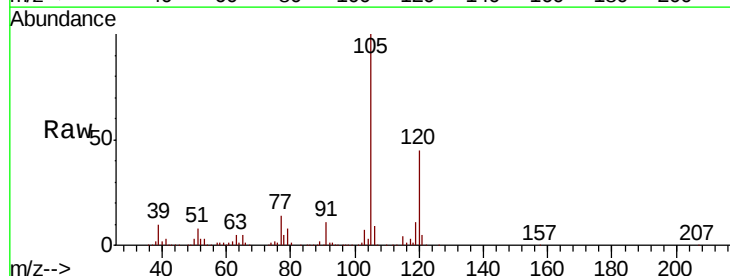
Instrument :
MSVOA_F
ClientSampleId :
EP1-Q4-A7MSD

Tot Ion: 91 Resp: 216346
Ion Ratio Lower Upper
91 100
126 32.5 16.6 49.7



#80
1,3,5-Trimethylbenzene
Concen: 64.22 ug/l
RT: 11.91 min Scan# 1154
Delta R.T. -0.01 min
Lab File: VF060155.D
Acq: 28 Aug 2018 17:40

Tgt Ion:105 Resp: 276083
Ion Ratio Lower Upper
105 100
120 45.1 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 24.02 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q4-A7MSD

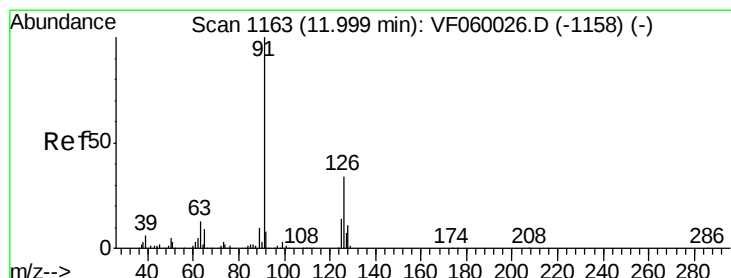
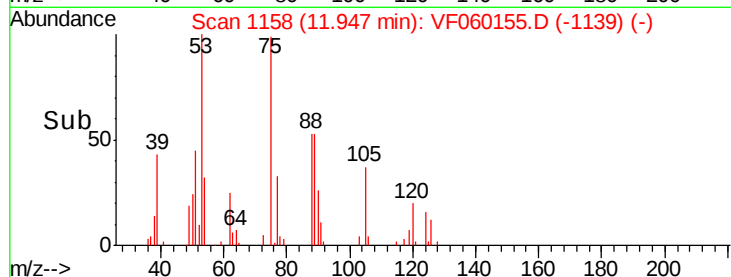
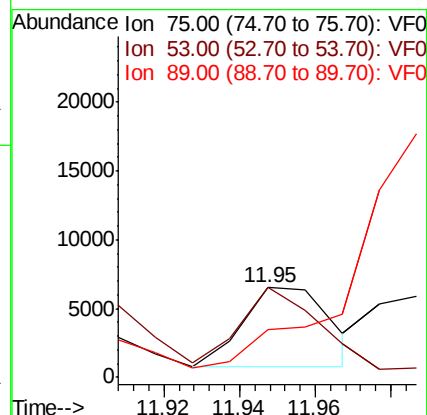
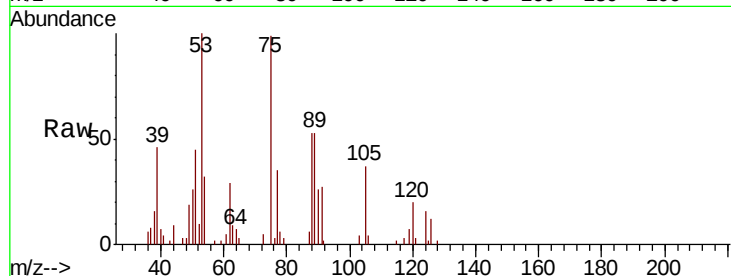
Tot Ion: 75 Resp: 9185

Ion Ratio Lower Upper

75 100

53 100.7 66.2 99.4#

89 53.8 42.8 64.2



#82

4-Chlorotoluene

Concen: 58.53 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. -0.01 min

Lab File: VF060155.D

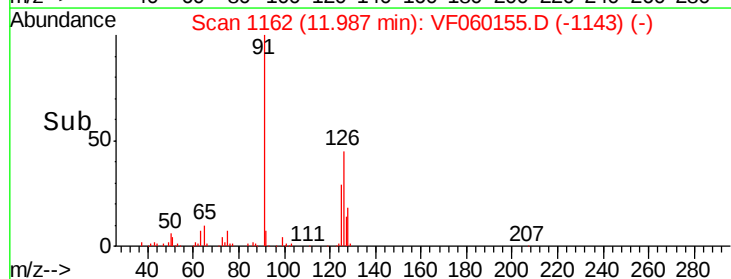
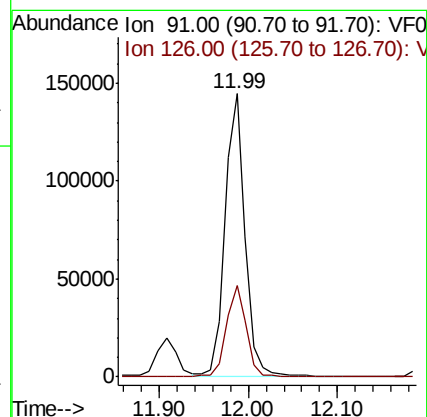
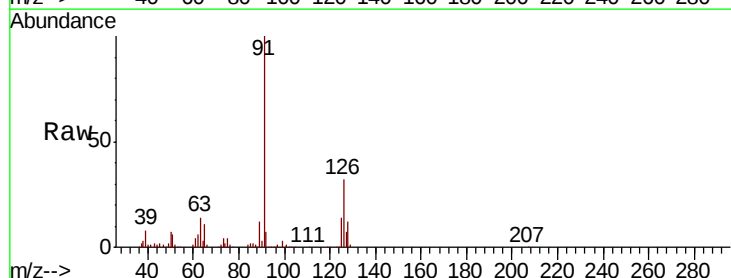
Acq: 28 Aug 2018 17:40

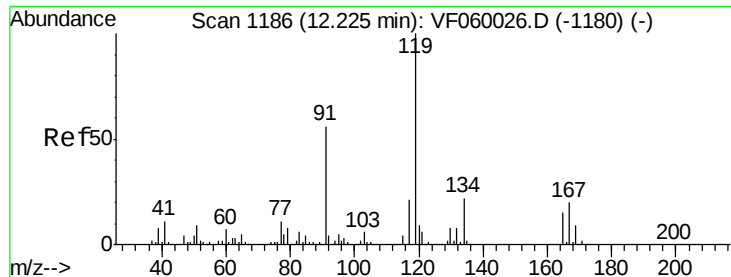
Tgt Ion: 91 Resp: 227542

Ion Ratio Lower Upper

91 100

126 32.5 17.0 50.9

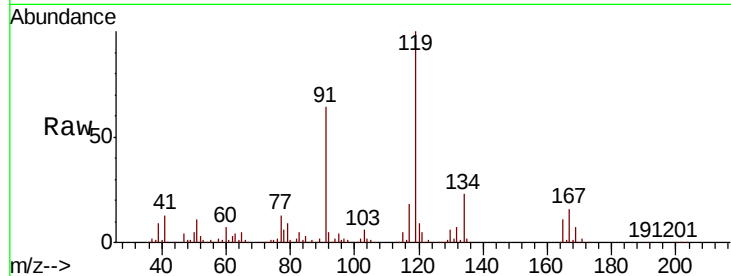




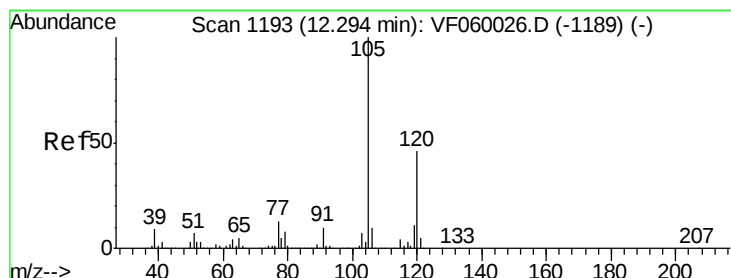
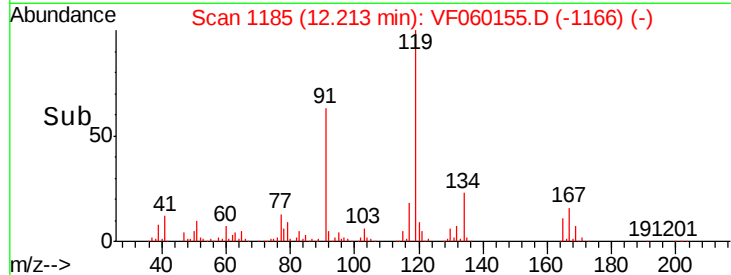
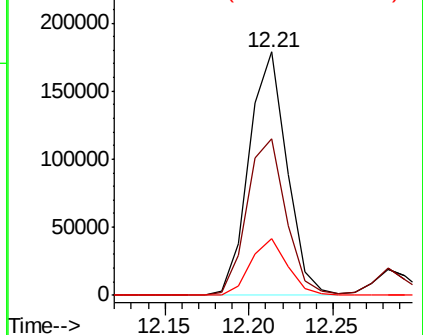
#83
tert-Butylbenzene
Concen: 66.71 ug/l
RT: 12.21 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VF060155.D
Acq: 28 Aug 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q4-A7MSD

Tot Ion:119 Resp: 279680
Ion Ratio Lower Upper
119 100
91 64.2 28.1 84.3
134 23.2 11.1 33.3

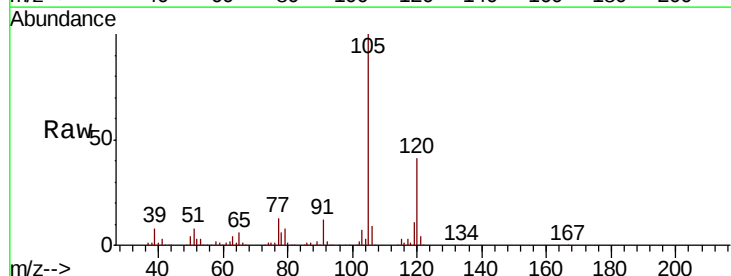


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

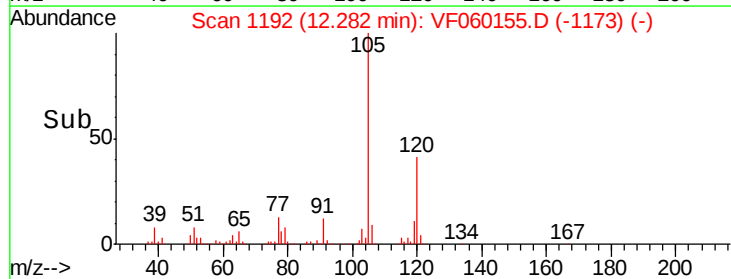
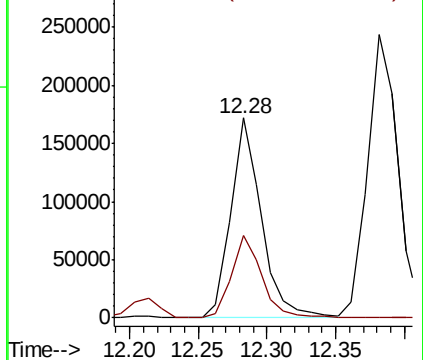


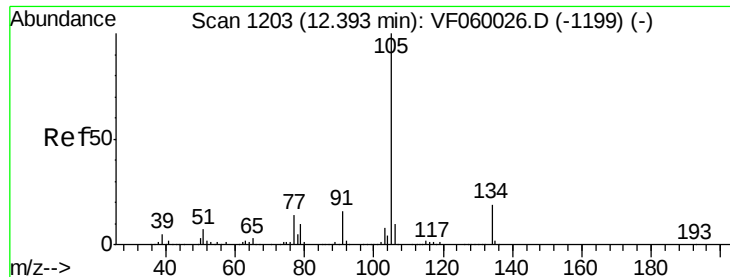
#84
1,2,4-Trimethylbenzene
Concen: 58.08 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. -0.01 min
Lab File: VF060155.D
Acq: 28 Aug 2018 17:40

Tgt Ion:105 Resp: 265431
Ion Ratio Lower Upper
105 100
120 41.2 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 64.03 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

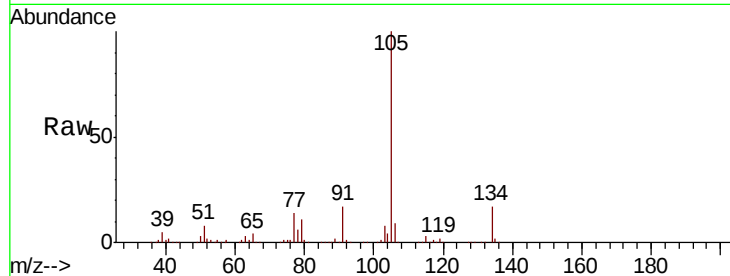
EP1-Q4-A7MSD

Tot Ion:105 Resp: 373750

Ion Ratio Lower Upper

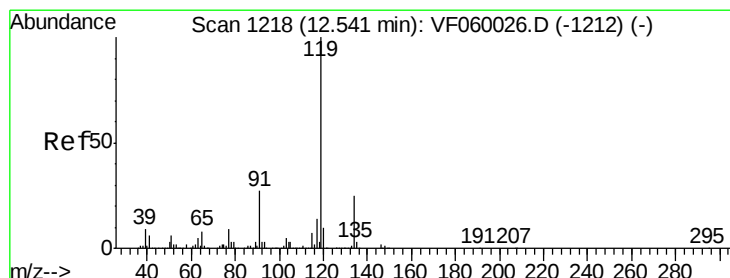
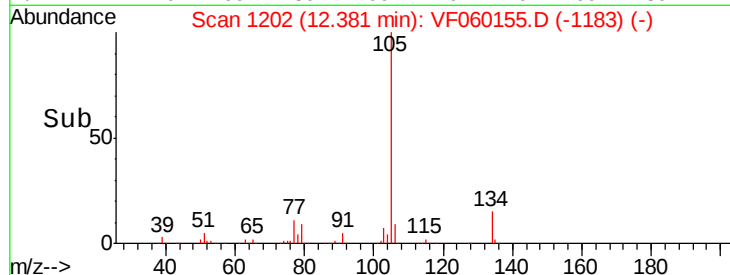
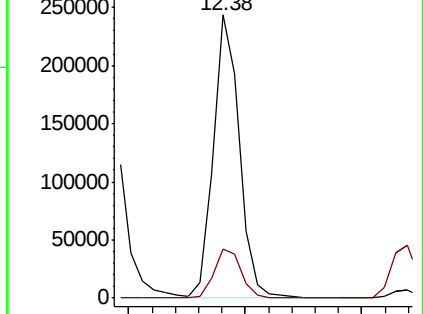
105 100

134 17.5 9.3 27.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 62.38 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

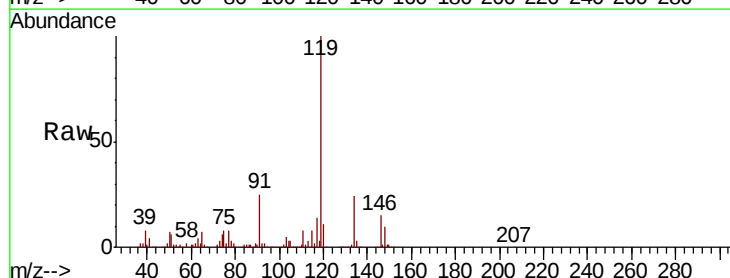
Tgt Ion:119 Resp: 302065

Ion Ratio Lower Upper

119 100

134 23.8 12.4 37.2

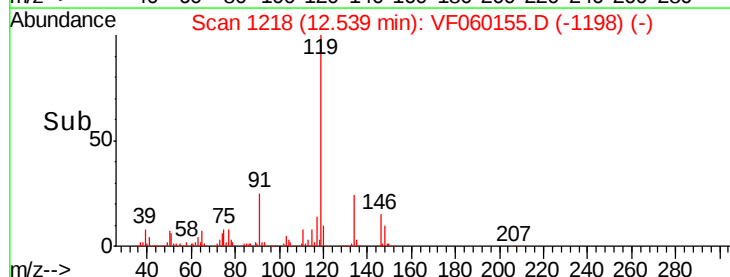
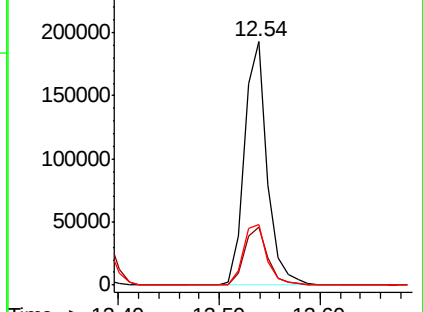
91 25.0 13.5 40.4

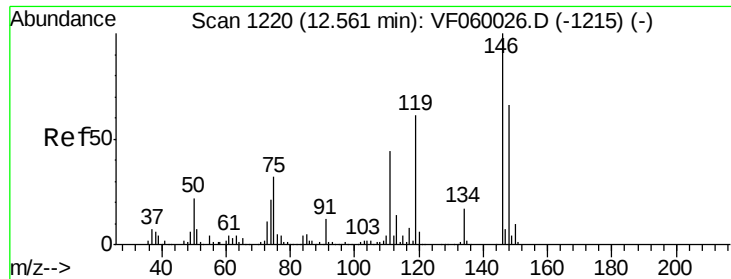


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

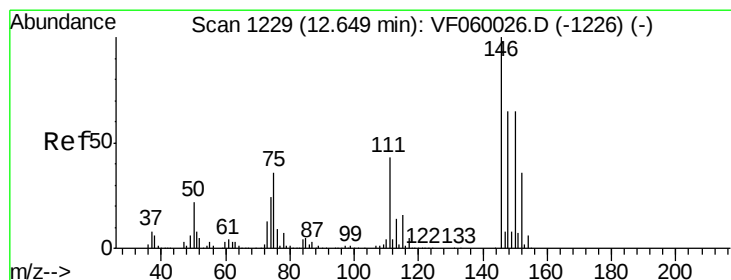
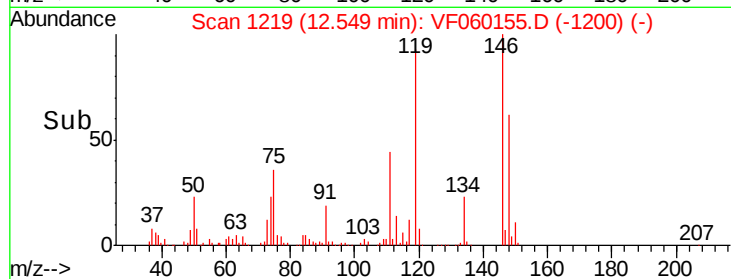
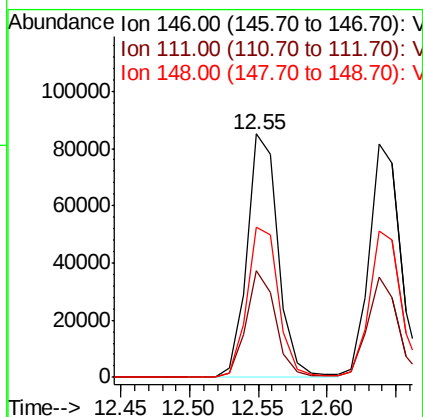
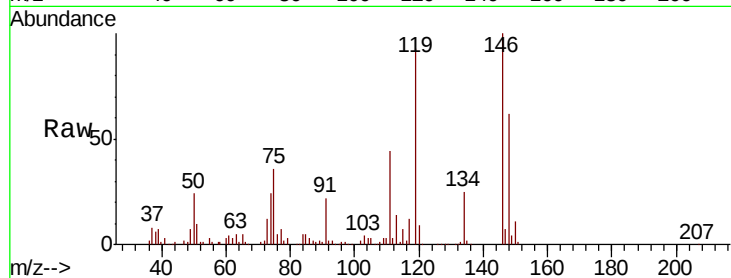




#87
 1,3-Dichlorobenzene
 Concen: 54.18 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VF060155.D
 Acq: 28 Aug 2018 17:40

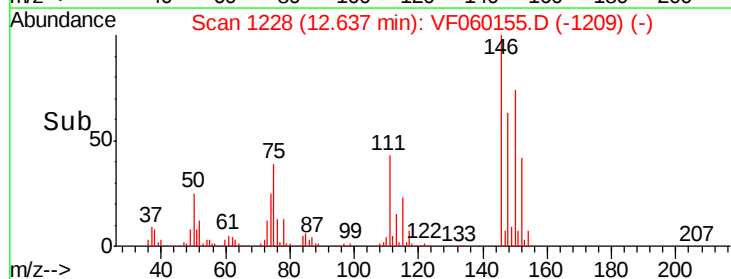
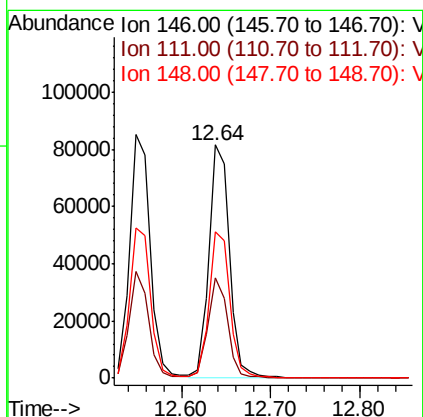
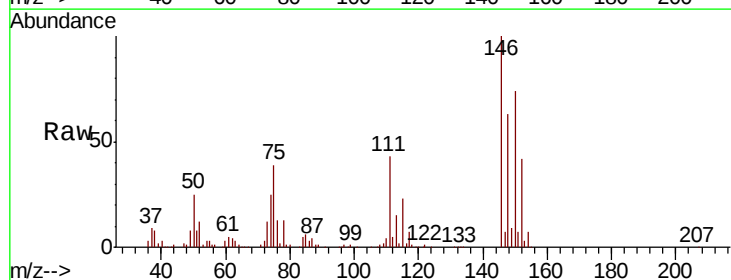
Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q4-A7MSD

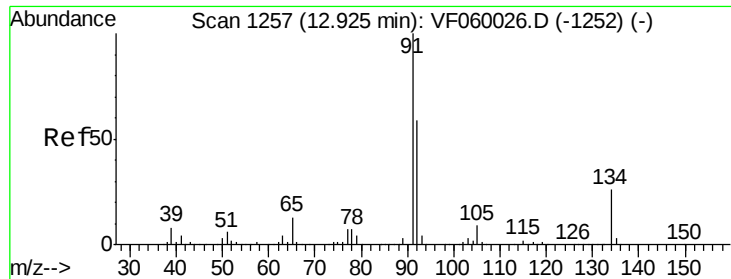
Tot Ion:146 Resp: 134428
 Ion Ratio Lower Upper
 146 100
 111 43.8 21.9 65.5
 148 61.6 32.9 98.7



#88
 1,4-Dichlorobenzene
 Concen: 52.88 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VF060155.D
 Acq: 28 Aug 2018 17:40

Tgt Ion:146 Resp: 130379
 Ion Ratio Lower Upper
 146 100
 111 43.2 21.6 64.8
 148 63.0 32.3 96.8





#89

n-Butylbenzene

Concen: 55.01 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF060155.D

Acq: 28 Aug 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q4-A7MSD

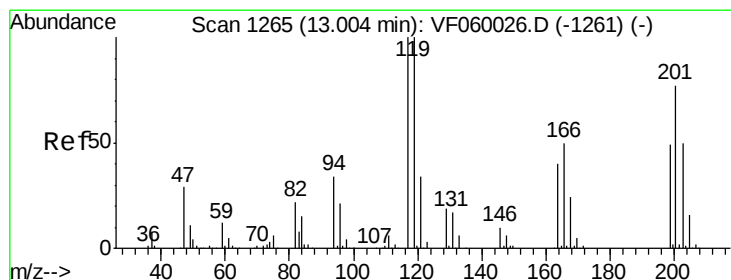
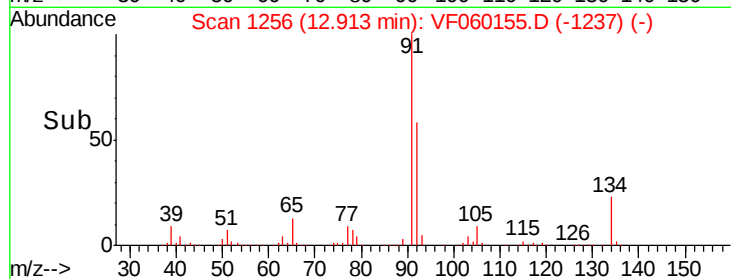
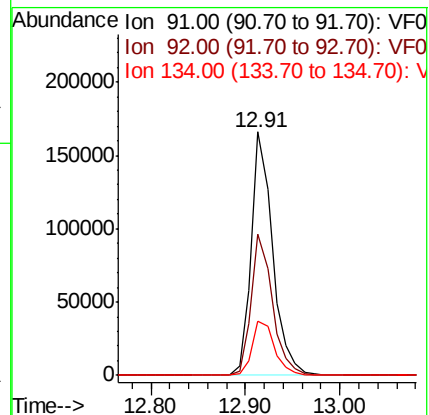
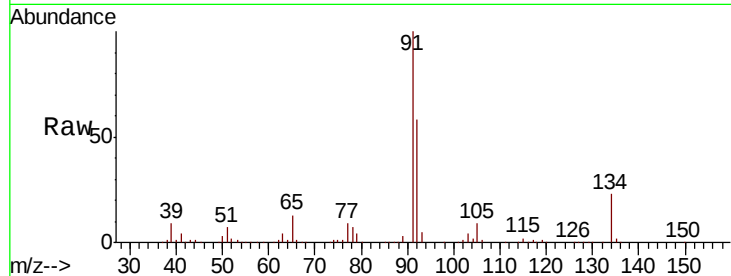
Tot Ion: 91 Resp: 258823

Ion Ratio Lower Upper

91 100

92 57.8 29.3 87.9

134 22.5 12.8 38.3



#90

Hexachloroethane

Concen: 62.44 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VF060155.D

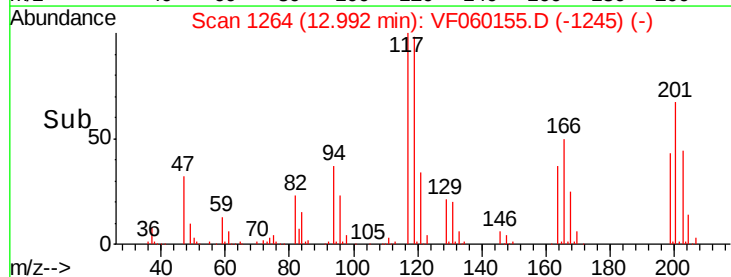
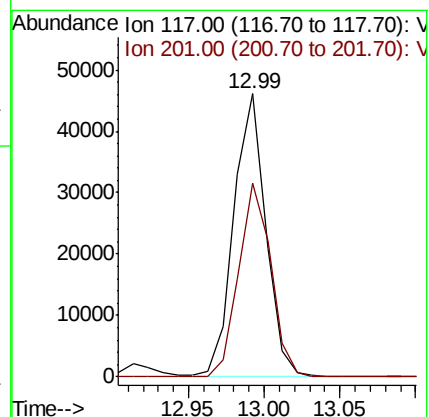
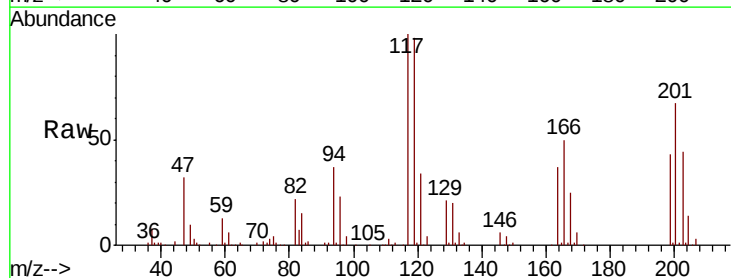
Acq: 28 Aug 2018 17:40

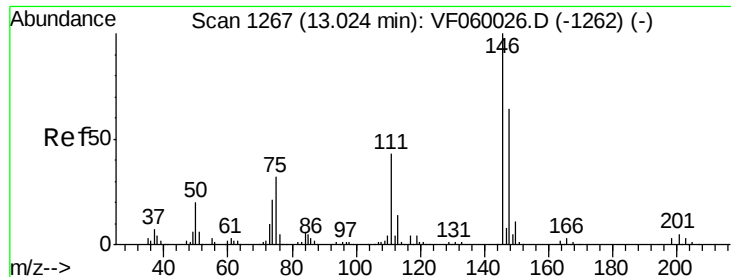
Tgt Ion: 117 Resp: 67951

Ion Ratio Lower Upper

117 100

201 68.5 38.6 115.8

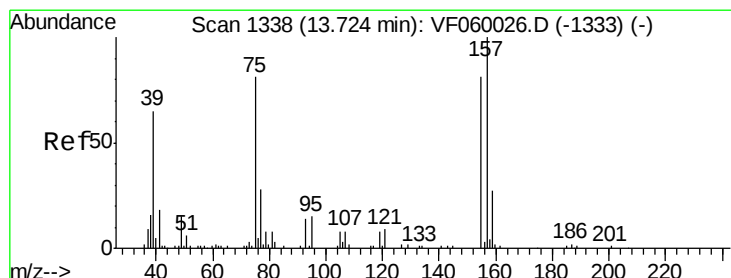
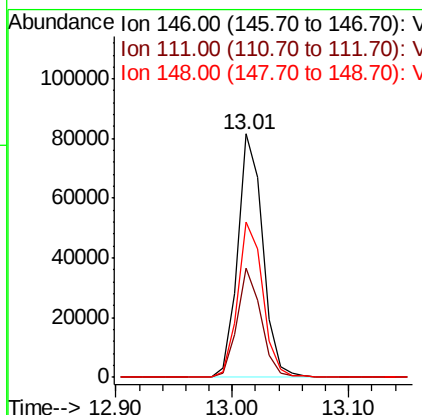
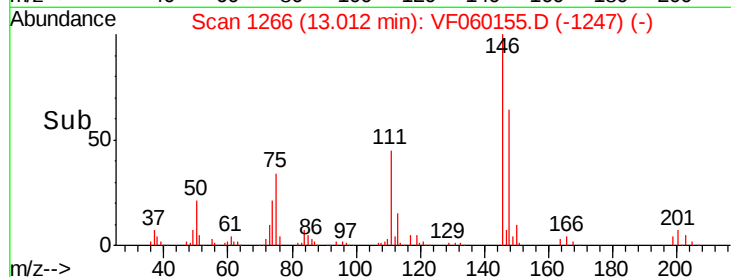
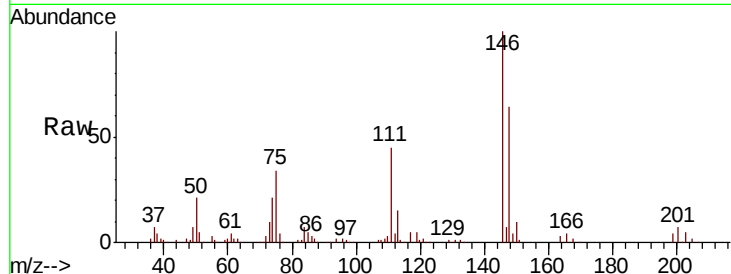




#91
 1,2-Dichlorobenzene
 Concen: 50.92 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. -0.01 min
 Lab File: VF060155.D
 Acq: 28 Aug 2018 17:40

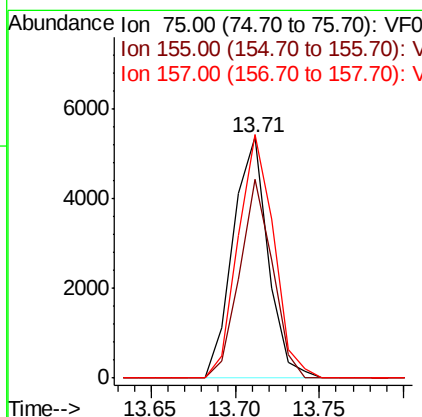
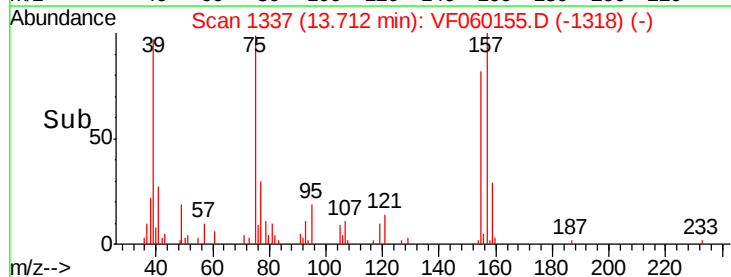
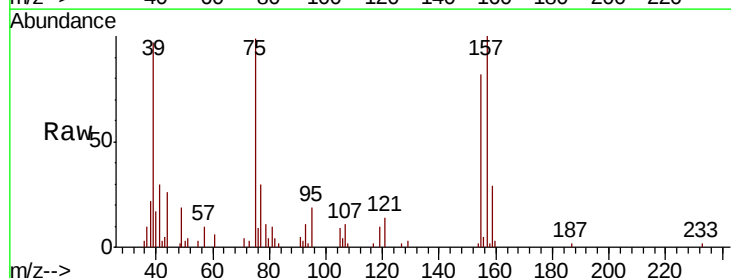
Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q4-A7MSD

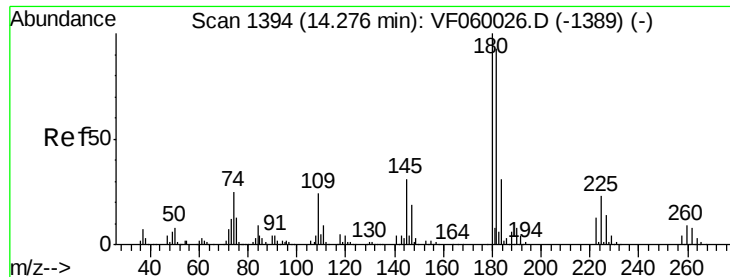
Tot Ion:146 Resp: 121510
 Ion Ratio Lower Upper
 146 100
 111 44.6 21.6 64.6
 148 64.0 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 35.25 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VF060155.D
 Acq: 28 Aug 2018 17:40

Tgt Ion: 75 Resp: 7763
 Ion Ratio Lower Upper
 75 100
 155 82.8 49.8 149.3
 157 103.4 61.6 184.7

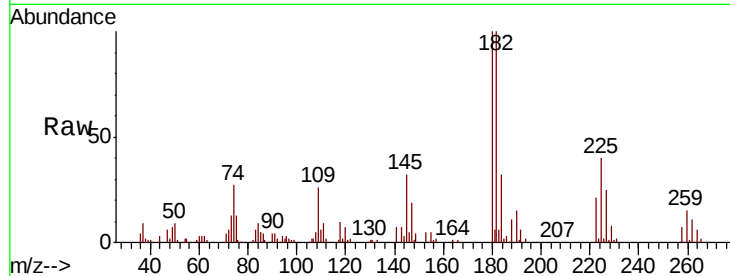




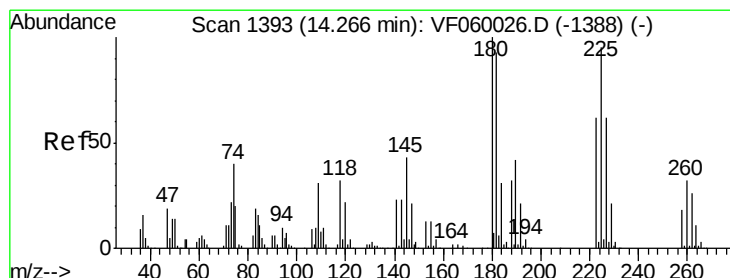
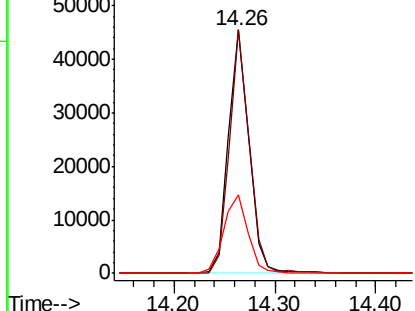
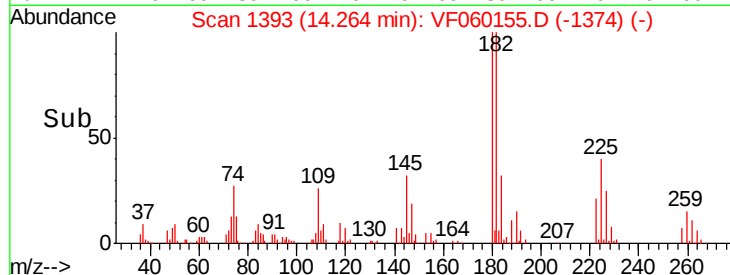
#93
 1,2,4-Trichlorobenzene
 Concen: 36.69 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF060155.D
 Acq: 28 Aug 2018 17:40

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q4-A7MSD

Tot Ion:180 Resp: 64462
 Ion Ratio Lower Upper
 180 100
 182 99.9 46.8 140.3
 145 32.2 15.4 46.4

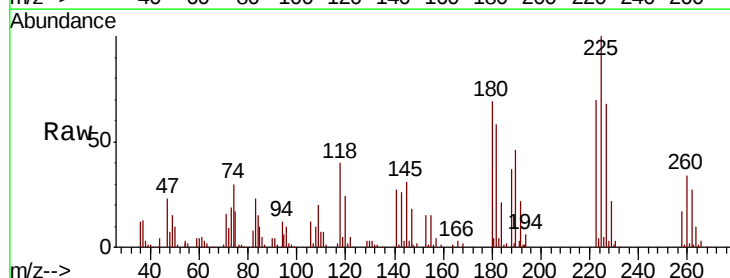


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

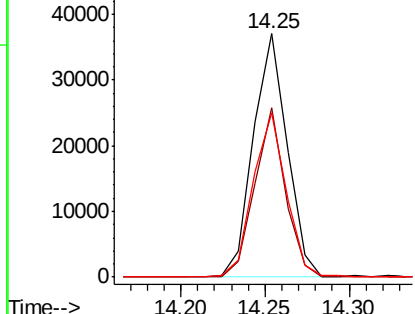
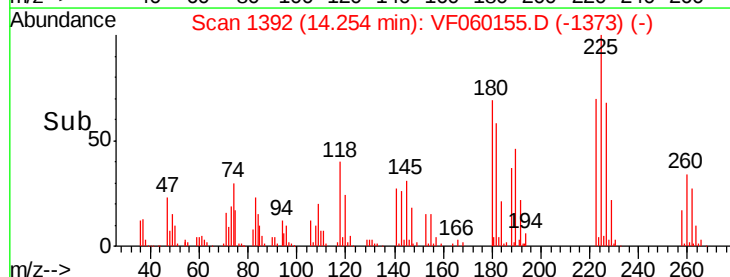


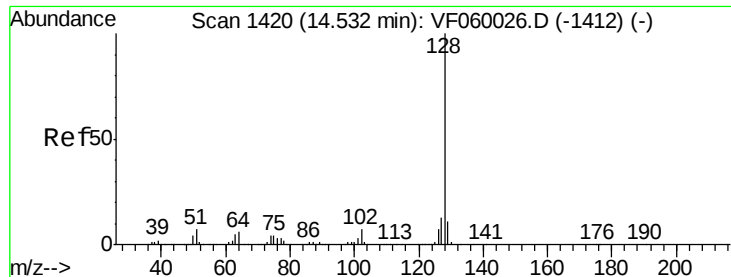
#94
 Hexachlorobutadiene
 Concen: 47.26 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF060155.D
 Acq: 28 Aug 2018 17:40

Tgt Ion:225 Resp: 51682
 Ion Ratio Lower Upper
 225 100
 223 69.6 32.6 97.8
 227 67.5 33.0 98.9



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

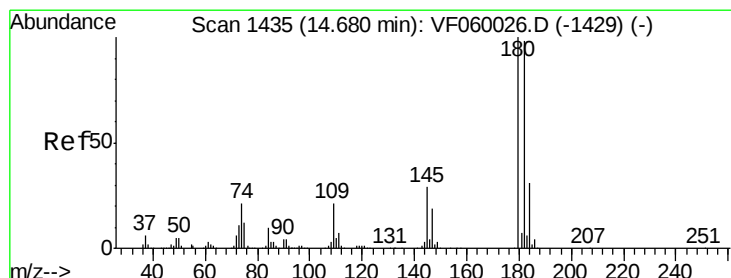
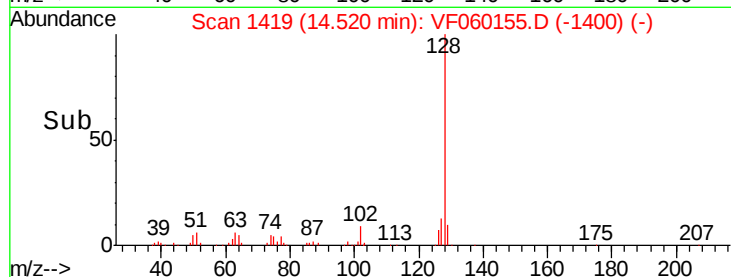
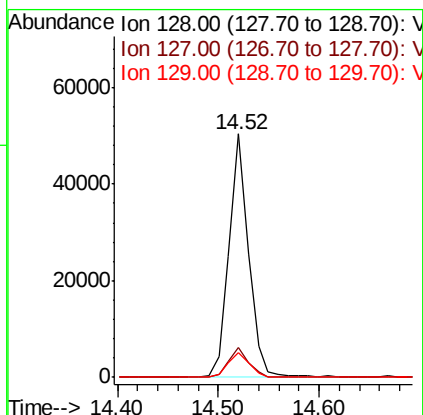
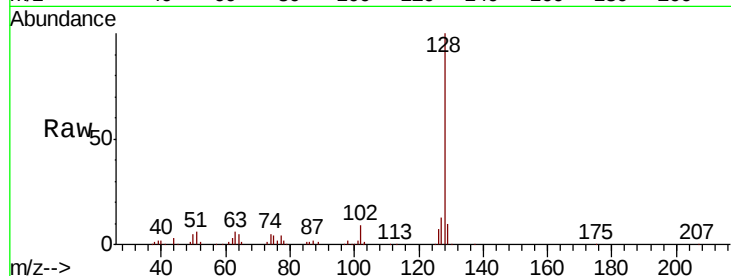




#95
Naphthalene
Concen: 23.59 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF060155.D
Acq: 28 Aug 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q4-A7MSD

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.4	15.6
129	10.2	8.5	12.7



#96
1,2,3-Trichlorobenzene
Concen: 30.97 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. -0.01 min
Lab File: VF060155.D
Acq: 28 Aug 2018 17:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	49.0	147.2
145	30.4	14.4	43.2

