

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092618\
 Data File : VW005660.D
 Acq On : 26 Sep 2018 18:33
 Operator : VA/AP
 Sample : J5066-05MS
 Misc : 4.99G/5ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-Q1-G3

Quant Time: Sep 27 06:54:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	190448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	297534	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	264538	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	313972	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	138887	61.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.80%	
35) Dibromofluoromethane	7.88	113	109977	58.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.56%	
50) Toluene-d8	10.33	98	400935	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	
62) 4-Bromofluorobenzene	12.62	95	438900	155.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	311.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	72184	63.929	ug/l	96
3) Chloromethane	2.21	50	77258	50.464	ug/l	98
4) Vinyl Chloride	2.37	62	112684	61.577	ug/l	99
5) Bromomethane	2.78	94	72439	58.575	ug/l	100
6) Chloroethane	2.93	64	67004	57.062	ug/l	100
7) Trichlorofluoromethane	3.25	101	71100	49.677	ug/l	98
8) Diethyl Ether	3.68	74	59657	63.808	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	87473	48.281	ug/l	98
10) Methyl Iodide	4.28	142	169116	60.696	ug/l	100
11) Tert butyl alcohol	5.19	59	37698	326.146	ug/l	99
12) 1,1-Dichloroethene	4.03	96	110016	63.428	ug/l	99
14) Allyl chloride	4.67	41	180082	59.491	ug/l	99
15) Acrylonitrile	5.37	53	146500	352.921	ug/l	99
16) Acetone	4.13	43	151236	435.790	ug/l	99
17) Carbon Disulfide	4.38	76	334682	61.756	ug/l	99
18) Methyl Acetate	4.67	43	199079	187.213	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	129741	48.461	ug/l	98
20) Methylene Chloride	4.92	84	116849	63.302	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	117110	61.644	ug/l	93
22) Diisopropyl ether	6.31	45	280141	47.673	ug/l	99
23) Vinyl Acetate	6.26	43	580271	172.767	ug/l	98
24) 1,1-Dichloroethane	6.21	63	215218	59.279	ug/l	99
25) 2-Butanone	7.18	43	195129	358.086	ug/l	97
26) 2,2-Dichloropropane	7.17	77	111383	43.945	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	128203	61.183	ug/l	96
28) Bromochloromethane	7.51	49	81096	56.390	ug/l	97
29) Tetrahydrofuran	7.53	42	137254	403.177	ug/l	99
30) Chloroform	7.68	83	227057	60.577	ug/l	99
31) Cyclohexane	7.96	56	124792	35.877	ug/l	91
32) 1,1,1-Trichloroethane	7.87	97	166765	50.364	ug/l	98
36) 1,1-Dichloropropene	8.09	75	163383	54.549	ug/l	99
37) Ethyl Acetate	7.26	43	81070	64.319	ug/l	99
38) Carbon Tetrachloride	8.07	117	162995	50.784	ug/l	96
39) Methylcyclohexane	9.34	83	89991	25.466	ug/l	100

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Quant Time: Sep 27 06:54:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.33	78	483460	56.969	ug/l	100
41) Methacrylonitrile	7.49	41	54825	76.437	ug/l	94
42) 1,2-Dichloroethane	8.40	62	172594	63.523	ug/l	100
43) Isopropyl Acetate	8.43	43	164998	66.581	ug/l	98
44) Trichloroethene	9.09	130	121453	55.912	ug/l	96
45) 1,2-Dichloropropane	9.37	63	118203	56.616	ug/l	98
46) Dibromomethane	9.46	93	66863	64.096	ug/l	98
47) Bromodichloromethane	9.65	83	168715	60.207	ug/l	98
48) Methyl methacrylate	9.44	41	93985	79.848	ug/l	96
49) 1,4-Dioxane	9.46	88	21362	1288.021	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	467165	374.288	ug/l	100
52) Toluene	10.39	92	286537	54.113	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	178685	63.606	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	193053	61.335	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	111215	75.107	ug/l	97
56) Ethyl methacrylate	10.65	69	141935	77.648	ug/l	97
57) 1,3-Dichloropropane	10.93	76	166905	63.598	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	268123	323.580	ug/l	98
59) 2-Hexanone	10.98	43	520210	613.530	ug/l	75
60) Dibromochloromethane	11.13	129	113390	63.377	ug/l	97
61) 1,2-Dibromoethane	11.24	107	91428	66.223	ug/l	91
64) Tetrachloroethene	10.87	164	85067	45.308	ug/l	91
65) Chlorobenzene	11.66	112	308247	54.889	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.73	131	117297	58.034	ug/l	99
67) Ethyl Benzene	11.74	91	472495	47.401	ug/l	100
68) m/p-Xylenes	11.85	106	297419	78.975	ug/l	95
69) o-Xylene	12.17	106	179096	50.779	ug/l	87
70) Styrene	12.18	104	309690	52.175	ug/l	94
71) Bromoform	12.35	173	70487	65.700	ug/l #	100
73) Isopropylbenzene	12.47	105	326449	14.993	ug/l	99
74) N-amyl acetate	12.27	43	5006541	1015.467	ug/l #	70
75) 1,1,2,2-Tetrachloroethane	12.71	83	635177	175.629	ug/l #	40
76) 1,2,3-Trichloropropane	12.77	75	166005	62.026	ug/l #	100
77) Bromobenzene	12.75	156	132113	25.888	ug/l #	26
78) n-propylbenzene	12.81	91	408886	15.511	ug/l	88
79) 2-Chlorotoluene	12.90	91	418411	27.435	ug/l	90
80) 1,3,5-Trimethylbenzene	12.96	105	363528	19.201	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.52	75	39641	33.360	ug/l #	1
82) 4-Chlorotoluene	12.99	91	370967	23.022	ug/l	77
83) tert-Butylbenzene	13.21	119	894093	56.212	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	221558	11.596	ug/l	98
85) sec-Butylbenzene	13.40	105	203590	8.825	ug/l	98
86) p-Isopropyltoluene	13.66	119	2389810	115.579	ug/l	94
87) 1,3-Dichlorobenzene	13.51	146	189437	18.154	ug/l #	1
88) 1,4-Dichlorobenzene	13.59	146	199080	19.183	ug/l #	1
89) n-Butylbenzene	13.83	91	111347	5.709	ug/l #	63
90) Hexachloroethane	14.11	117	932294	248.769	ug/l #	11
91) 1,2-Dichlorobenzene	13.88	146	185425	20.130	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	14.47	75	49082	71.232	ug/l #	4
93) 1,2,4-Trichlorobenzene	15.15	180	85081	12.948	ug/l #	1

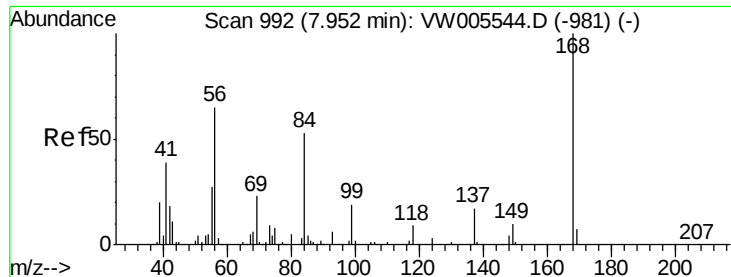
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW092618\
Data File : VW005660.D
Acq On : 26 Sep 2018 18:33
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Quant Title : SW846 8260
QLast Update : Fri Sep 21 09:05:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.24	225	21311	5.006	ug/l	98
95) Naphthalene	15.38	128	173498	15.697	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.57	180	80652	13.927	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

Instrument :

MSVOA_W

ClientSampleId :

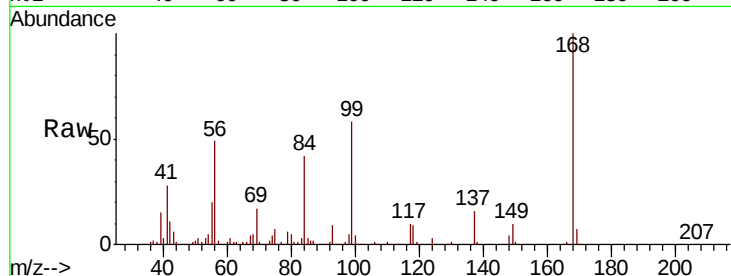
EP1-Q1-G3

Tgt Ion:168 Resp: 190448

Ion Ratio Lower Upper

168 100

99 57.7 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

40000

20000

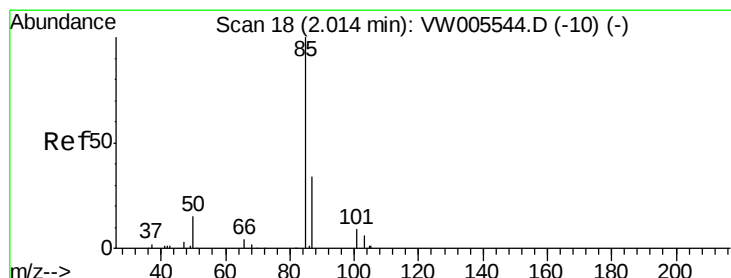
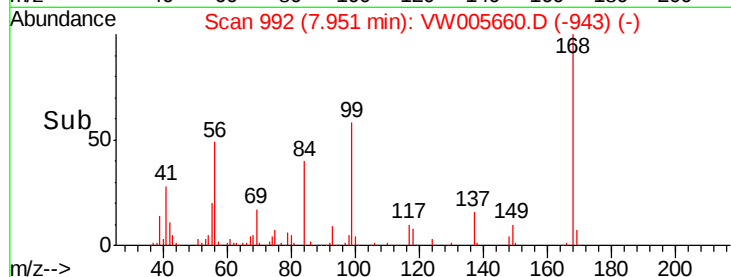
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 63.929 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW005660.D

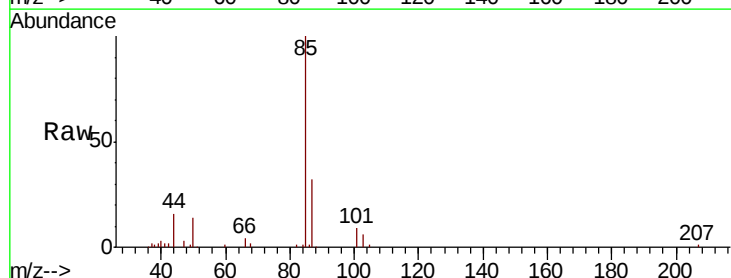
Acq: 26 Sep 2018 18:33

Tgt Ion: 85 Resp: 72184

Ion Ratio Lower Upper

85 100

87 31.7 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

15000

10000

5000

0

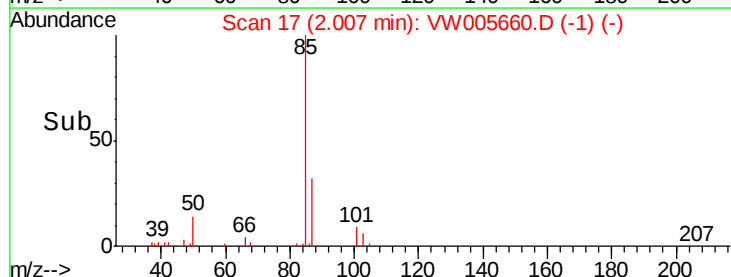
1.90

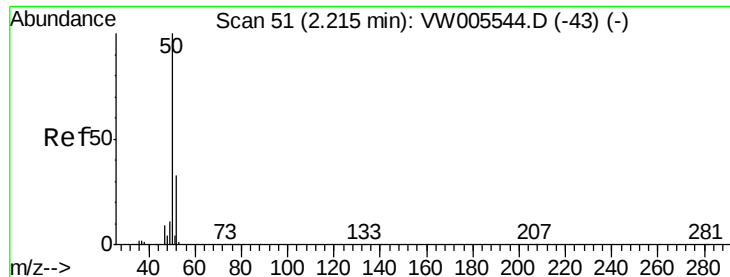
2.00

2.10

2.20

Time-->

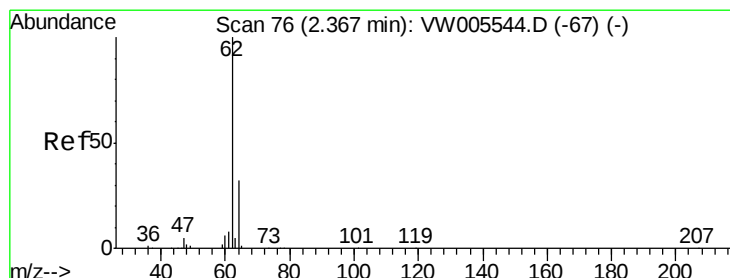
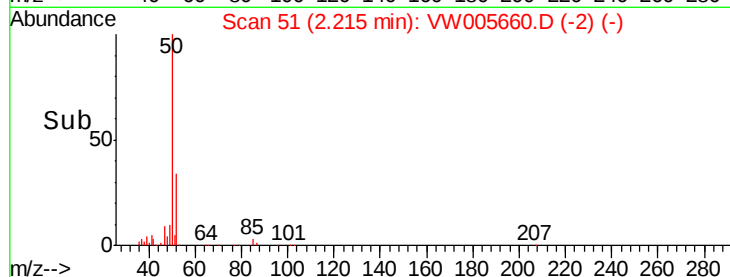
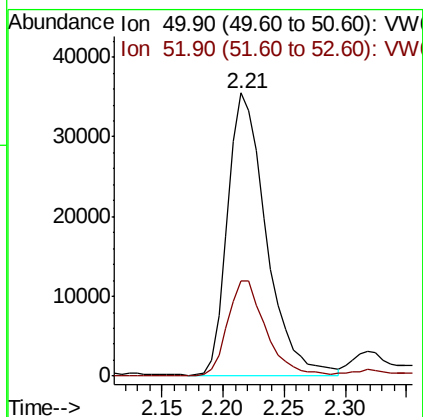
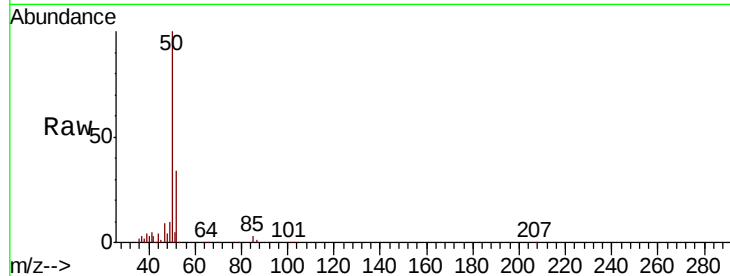




#3
Chloromethane
Concen: 50.464 ug/l
RT: 2.21 min Scan# 51
Delta R.T. -0.00 min
Lab File: VW005660.D
Acq: 26 Sep 2018 18:33

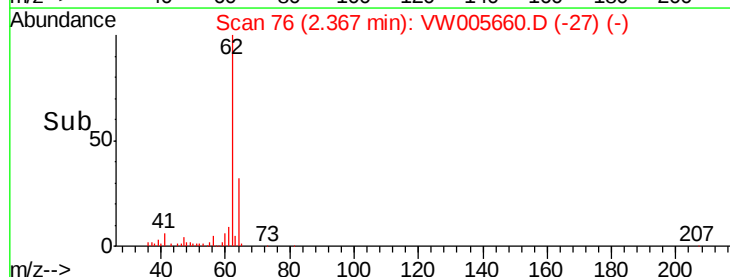
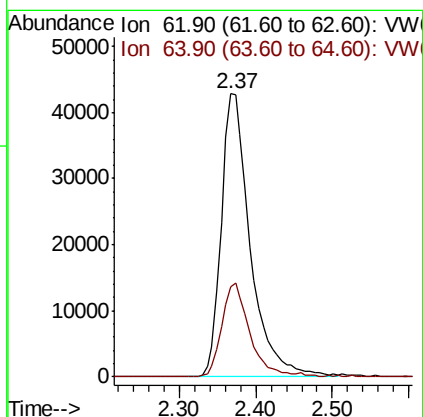
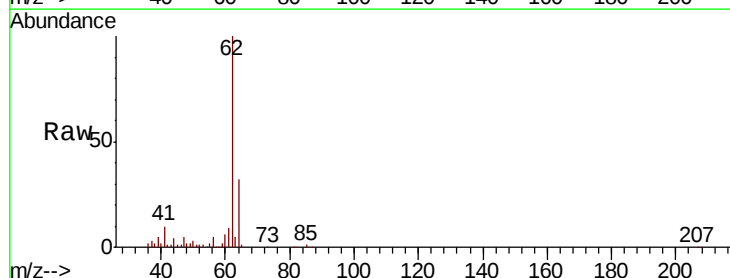
Instrument :
MSVOA_W
ClientSampleId :
EP1-Q1-G3

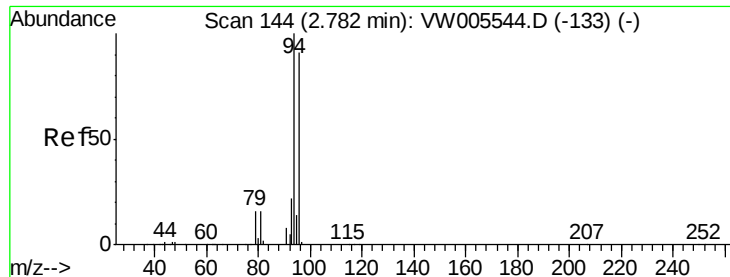
Tgt Ion: 50 Resp: 77258
Ion Ratio Lower Upper
50 100
52 33.7 26.2 39.4



#4
Vinyl Chloride
Concen: 61.577 ug/l
RT: 2.37 min Scan# 76
Delta R.T. -0.00 min
Lab File: VW005660.D
Acq: 26 Sep 2018 18:33

Tgt Ion: 62 Resp: 112684
Ion Ratio Lower Upper
62 100
64 31.6 25.7 38.5





#5

Bromomethane

Concen: 58.575 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

Instrument :

MSVOA_W

ClientSampleId :

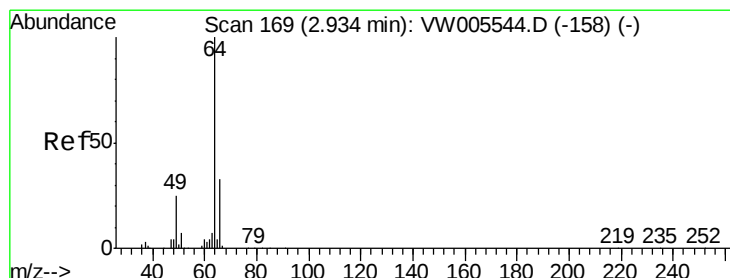
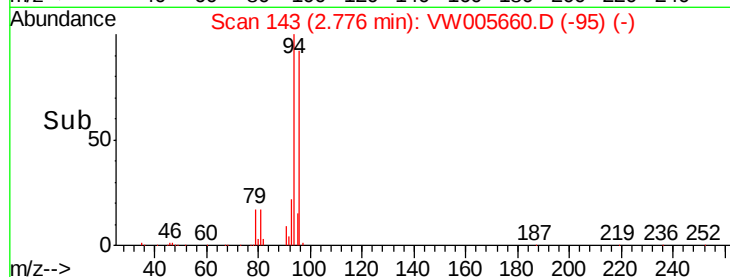
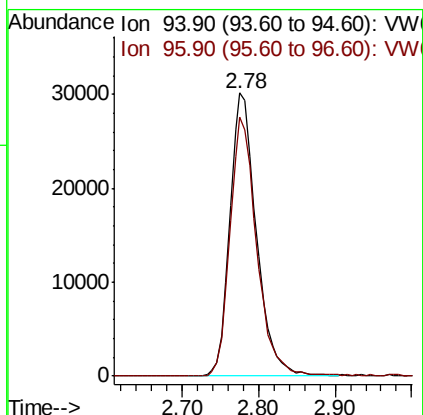
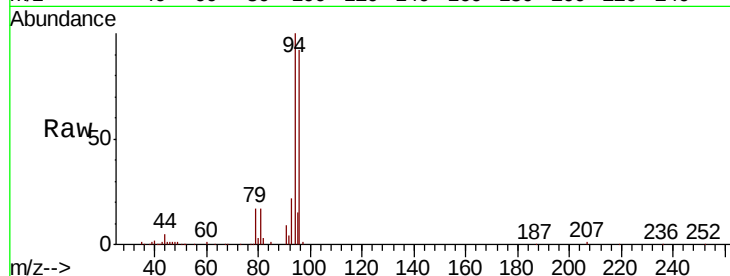
EP1-Q1-G3

Tgt Ion: 94 Resp: 72439

Ion Ratio Lower Upper

94 100

96 91.3 73.1 109.7



#6

Chloroethane

Concen: 57.062 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW005660.D

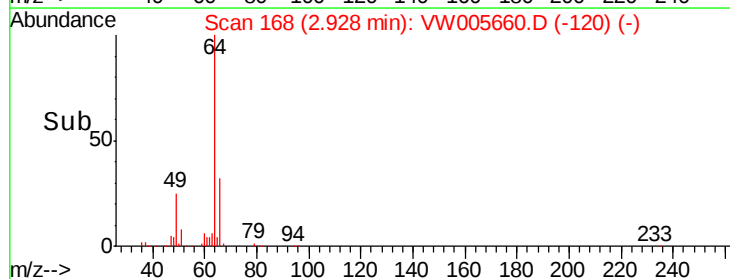
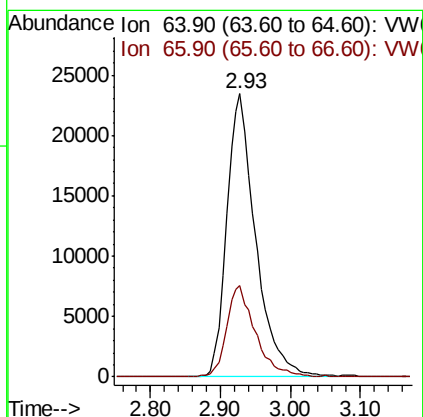
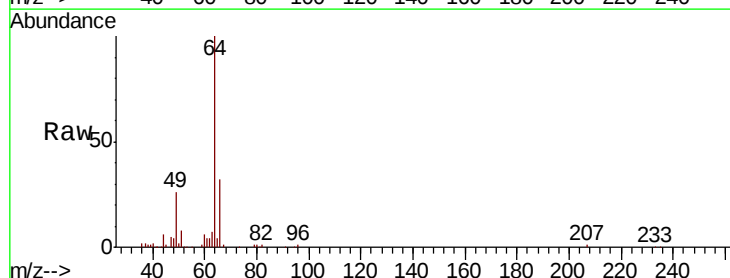
Acq: 26 Sep 2018 18:33

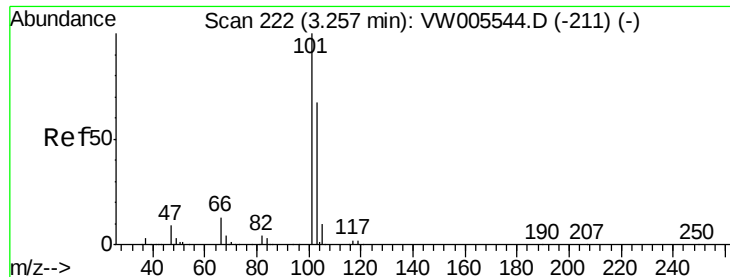
Tgt Ion: 64 Resp: 67004

Ion Ratio Lower Upper

64 100

66 32.4 26.0 39.0



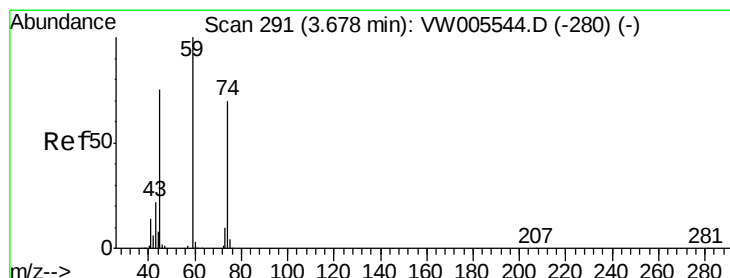
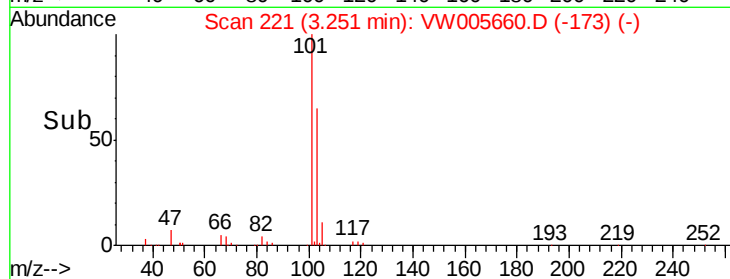
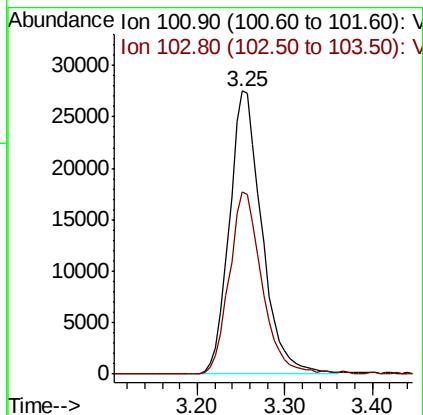
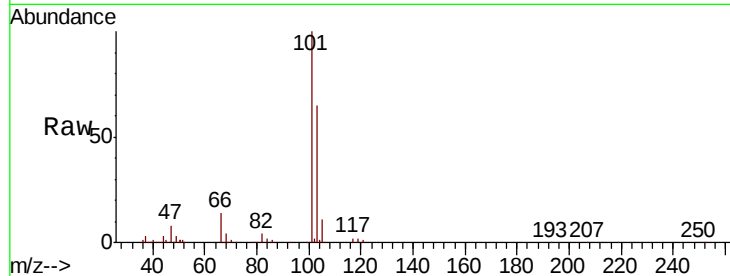


#7

Trichlorofluoromethane
 Concen: 49.677 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW005660.D
 Acq: 26 Sep 2018 18:33

Instrument :
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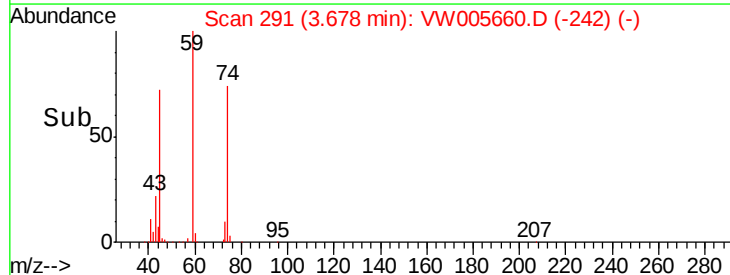
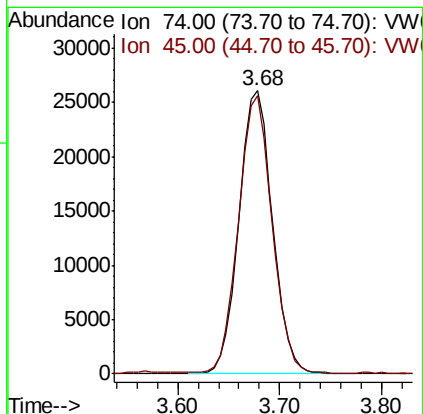
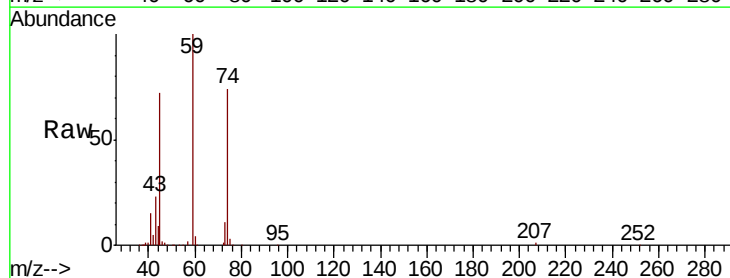
Tgt Ion:101 Resp: 71100
 Ion Ratio Lower Upper
 101 100
 103 64.5 53.2 79.8

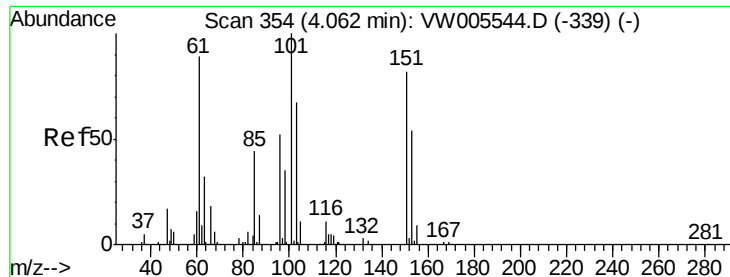


#8

Diethyl Ether
 Concen: 63.808 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW005660.D
 Acq: 26 Sep 2018 18:33

Tgt Ion: 74 Resp: 59657
 Ion Ratio Lower Upper
 74 100
 45 97.7 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.281 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

Instrument :

MSVOA_W

ClientSampleId :

EP1-Q1-G3

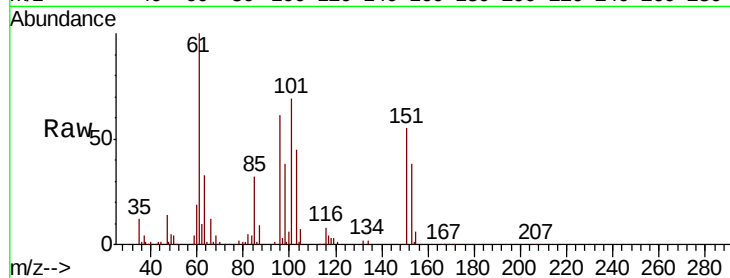
Tgt Ion:101 Resp: 87473

Ion Ratio Lower Upper

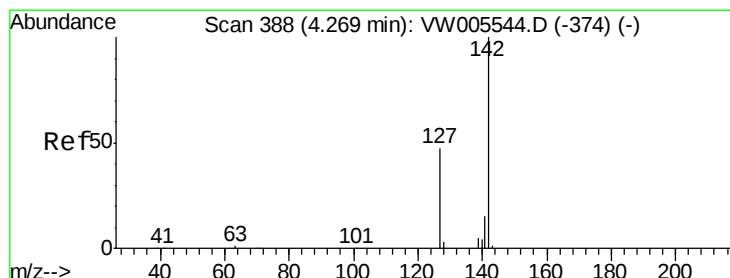
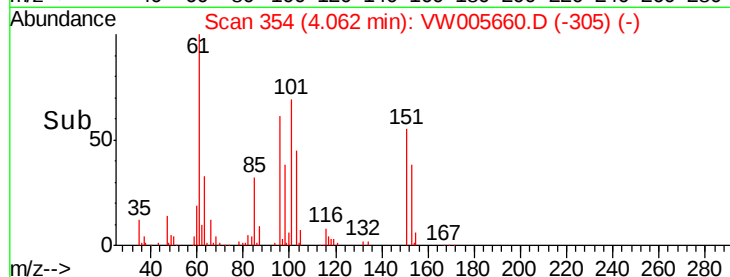
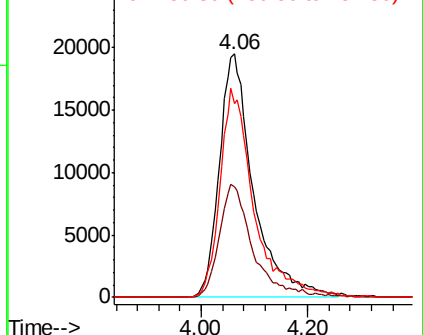
101 100

85 45.0 36.4 54.6

151 85.0 65.8 98.6



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 60.696 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

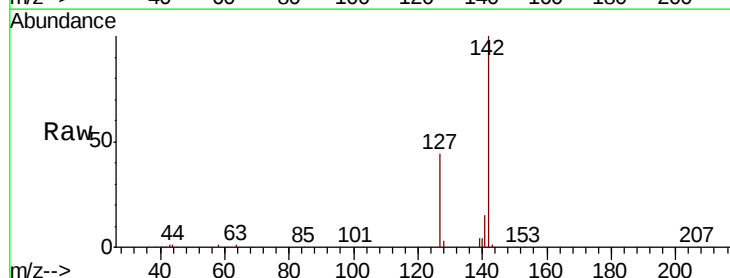
Tgt Ion:142 Resp: 169116

Ion Ratio Lower Upper

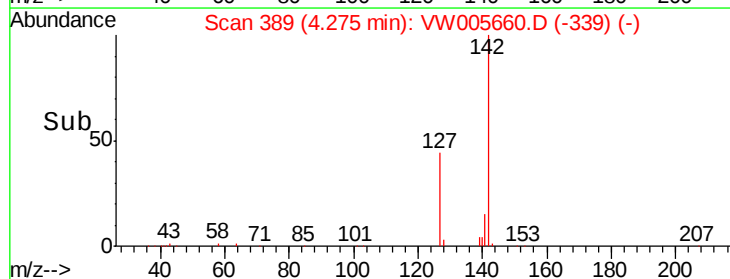
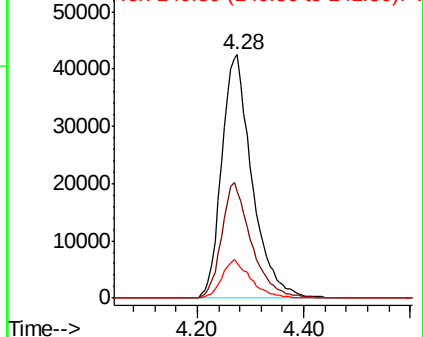
142 100

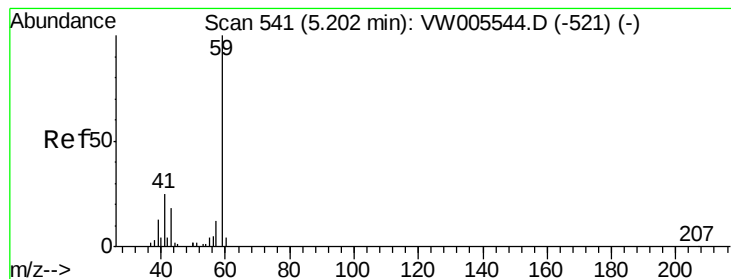
127 46.6 37.4 56.0

141 15.1 11.9 17.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 326.146 ug/l

RT: 5.19 min Scan# 539

Delta R.T. -0.01 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

Instrument :

MSVOA_W

ClientSampled :

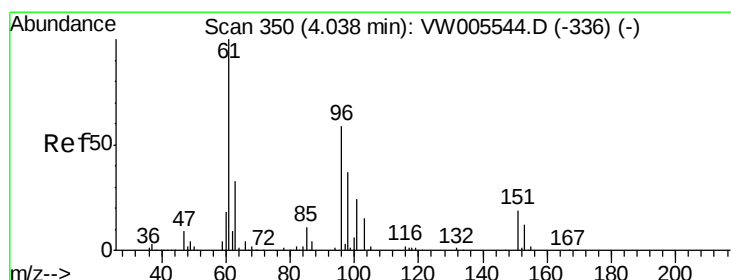
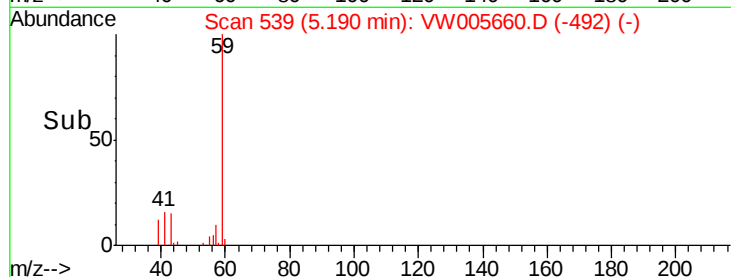
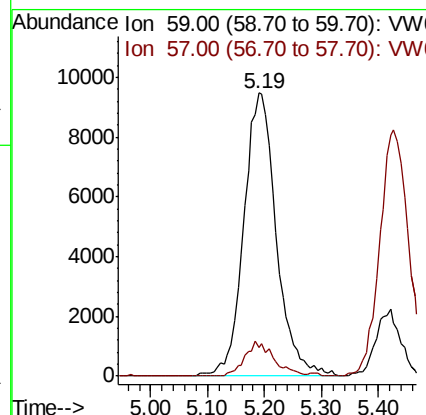
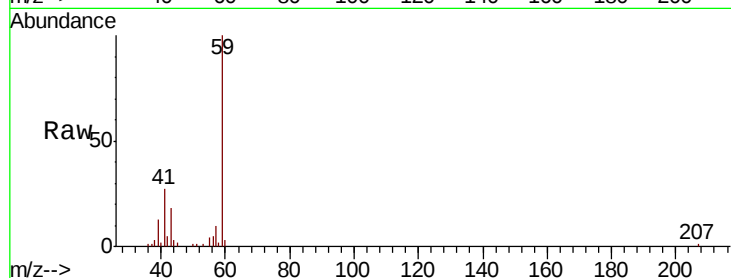
EP1-Q1-G3

Tgt Ion: 59 Resp: 37698

Ion Ratio Lower Upper

59 100

57 10.8 8.3 12.5



#12

1,1-Dichloroethene

Concen: 63.428 ug/l

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

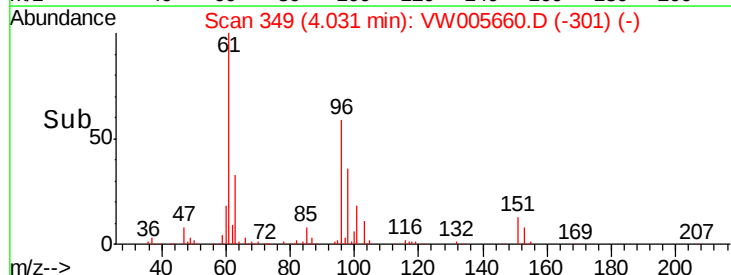
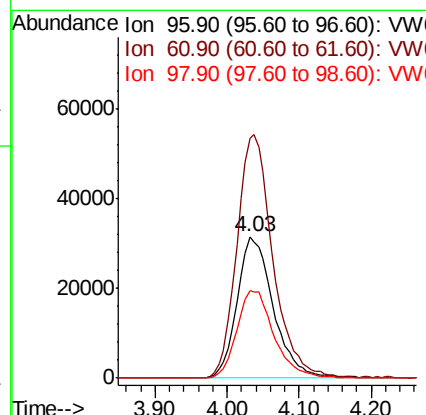
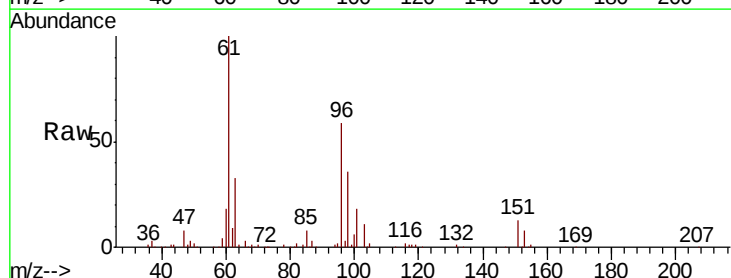
Tgt Ion: 96 Resp: 110016

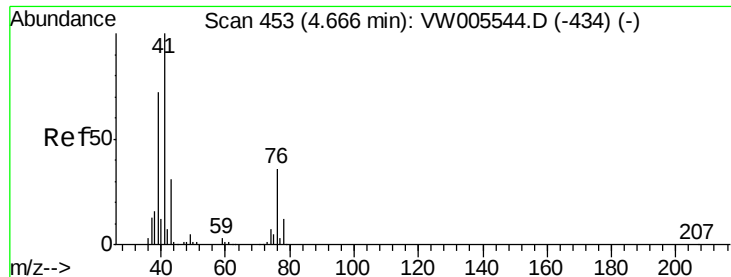
Ion Ratio Lower Upper

96 100

61 169.5 135.0 202.6

98 61.5 50.6 76.0

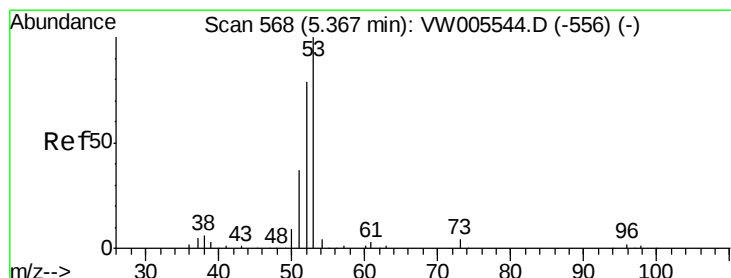
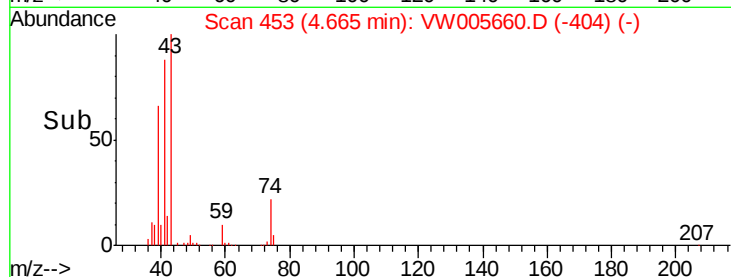
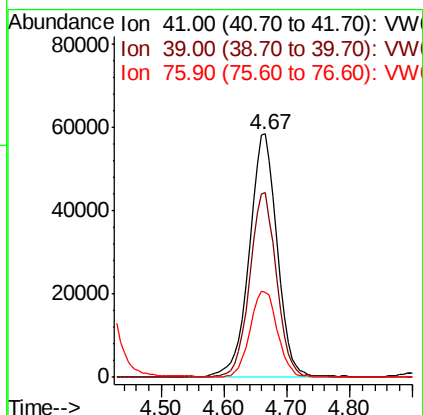
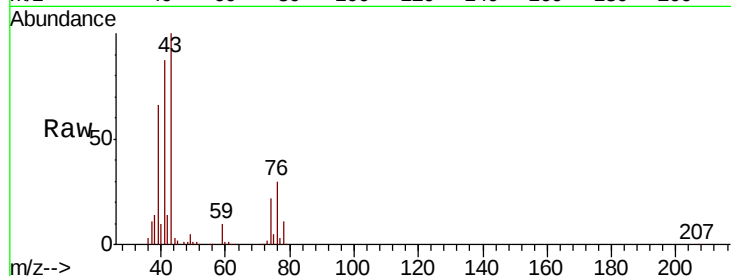




#14
 Allyl chloride
 Concen: 59.491 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. -0.00 min
 Lab File: VW005660.D
 Acq: 26 Sep 2018 18:33

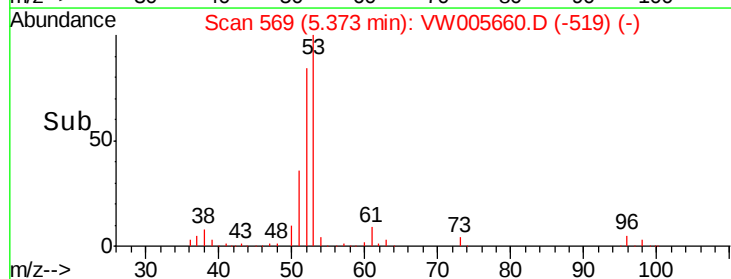
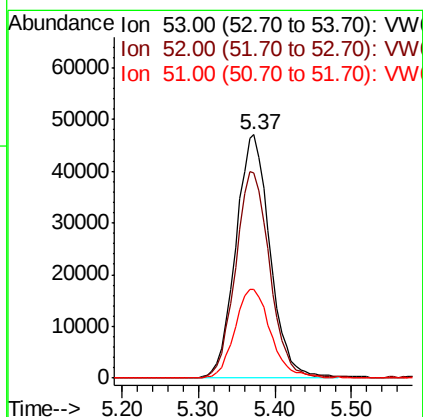
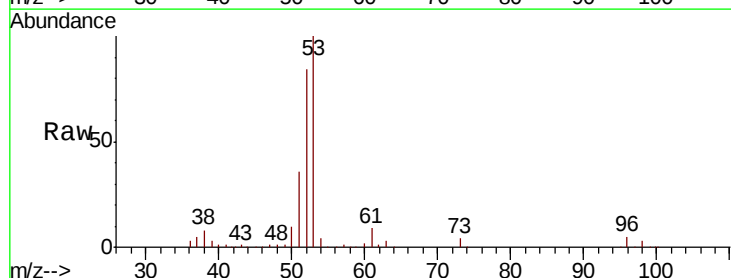
Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-Q1-G3

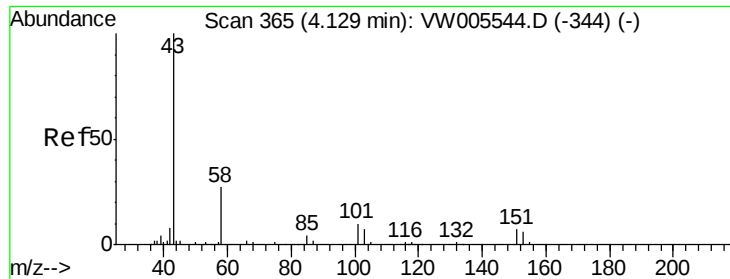
Tgt Ion: 41 Resp: 180082
 Ion Ratio Lower Upper
 41 100
 39 73.4 59.6 89.4
 76 35.0 27.7 41.5



#15
 Acrylonitrile
 Concen: 352.921 ug/l
 RT: 5.37 min Scan# 569
 Delta R.T. 0.01 min
 Lab File: VW005660.D
 Acq: 26 Sep 2018 18:33

Tgt Ion: 53 Resp: 146500
 Ion Ratio Lower Upper
 53 100
 52 84.4 66.5 99.7
 51 38.3 30.6 46.0





#16

Acetone

Concen: 435.790 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

Instrument :

MSVOA_W

ClientSampleId :

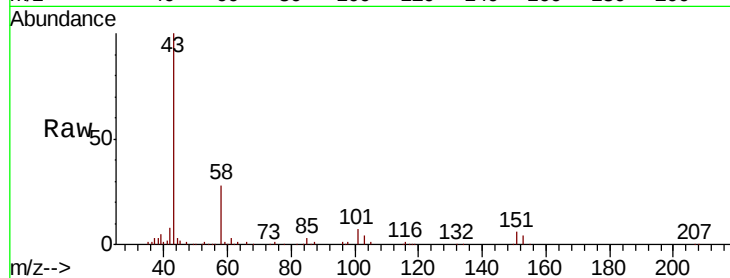
EP1-Q1-G3

Tgt Ion: 43 Resp: 151236

Ion Ratio Lower Upper

43 100

58 28.1 21.8 32.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

60000

50000

40000

30000

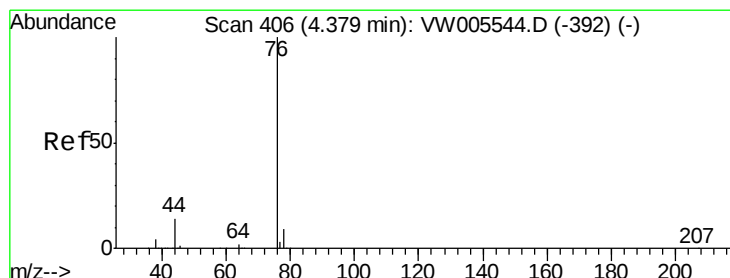
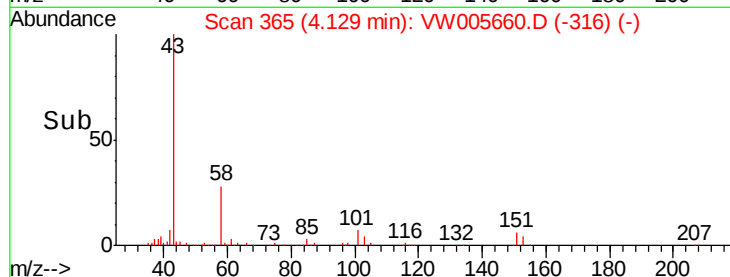
20000

10000

0

Time-->

4.00 4.10 4.20 4.30



#17

Carbon Disulfide

Concen: 61.756 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW005660.D

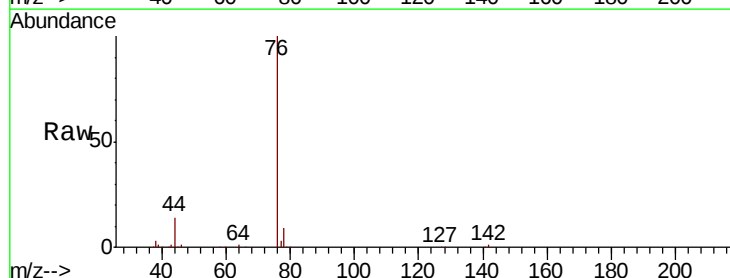
Acq: 26 Sep 2018 18:33

Tgt Ion: 76 Resp: 334682

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

100000

80000

60000

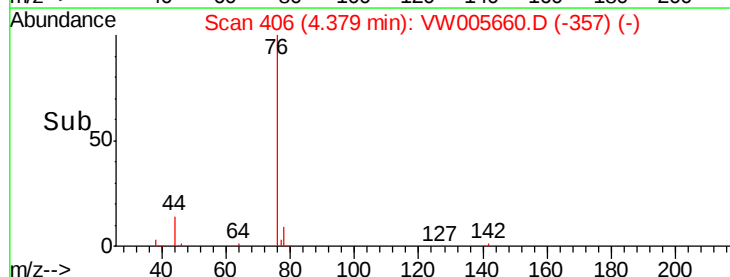
40000

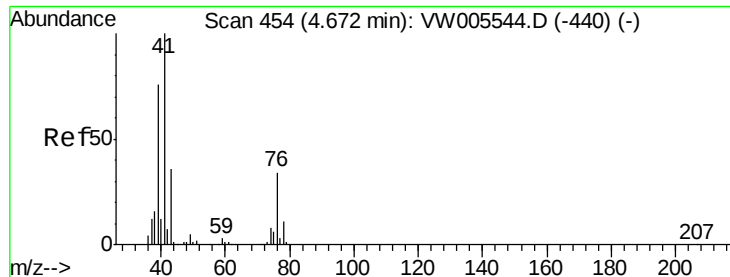
20000

0

Time-->

4.20 4.40 4.60

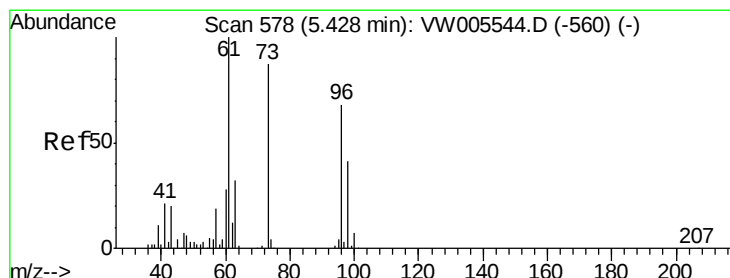
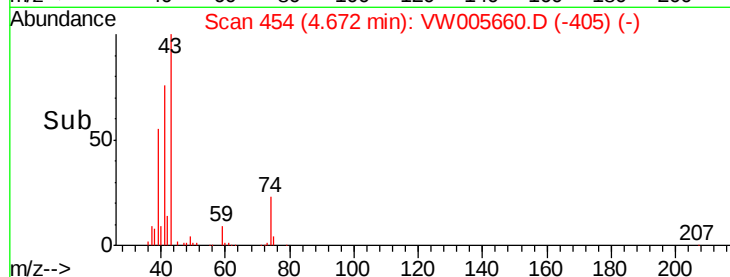
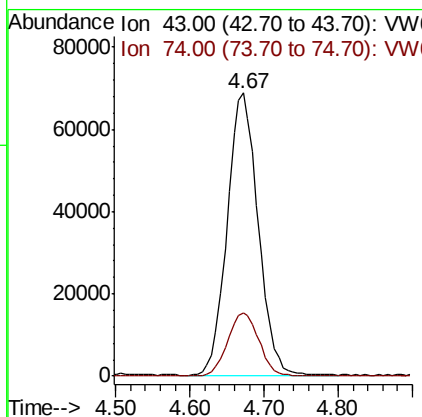
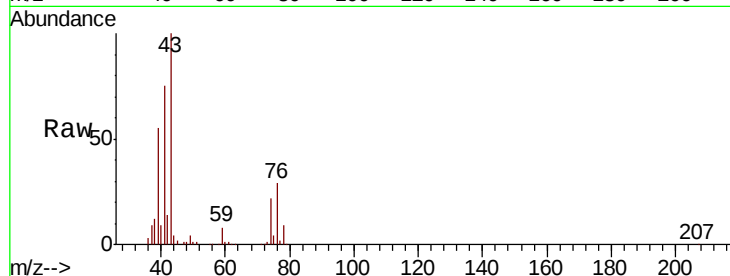




#18
Methyl Acetate
Concen: 187.213 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW005660.D
Acq: 26 Sep 2018 18:33

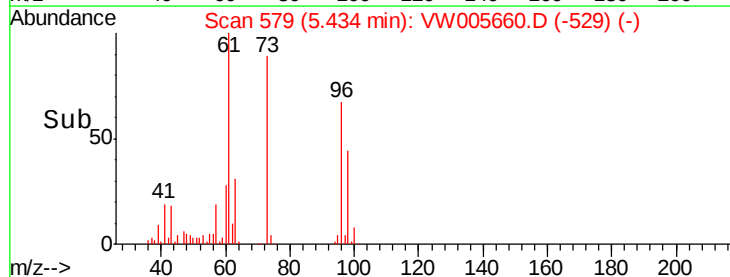
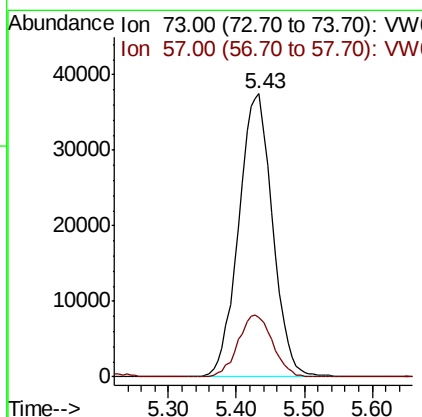
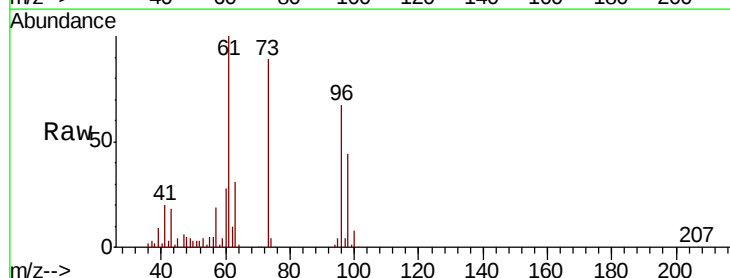
Instrument :
MSVOA_W
ClientSampleId :
EP1-Q1-G3

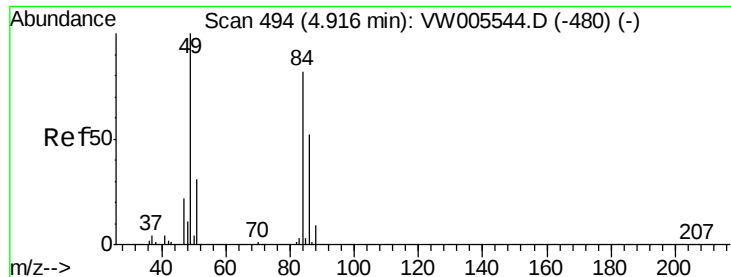
Tgt Ion: 43 Resp: 199079
Ion Ratio Lower Upper
43 100
74 22.8 19.2 28.8



#19
Methyl tert-butyl Ether
Concen: 48.461 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW005660.D
Acq: 26 Sep 2018 18:33

Tgt Ion: 73 Resp: 129741
Ion Ratio Lower Upper
73 100
57 20.9 17.6 26.4





#20

Methylene Chloride

Concen: 63.302 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

Instrument :

MSVOA_W

ClientSampled :

EP1-Q1-G3

Tgt Ion: 84 Resp: 116849

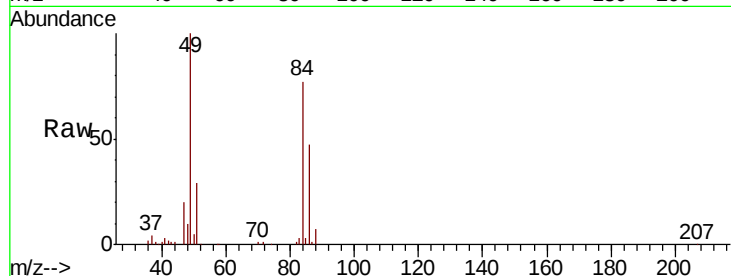
Ion Ratio Lower Upper

84 100

49 130.0 97.0 145.6

51 38.0 30.2 45.2

86 60.7 50.2 75.4



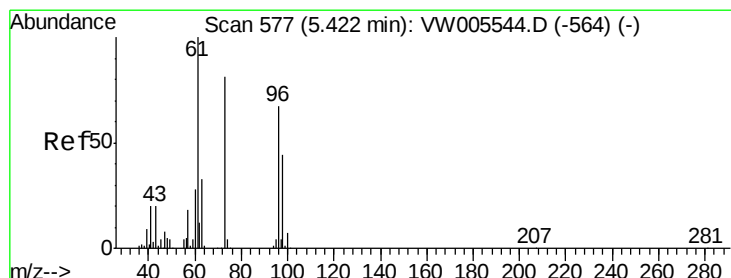
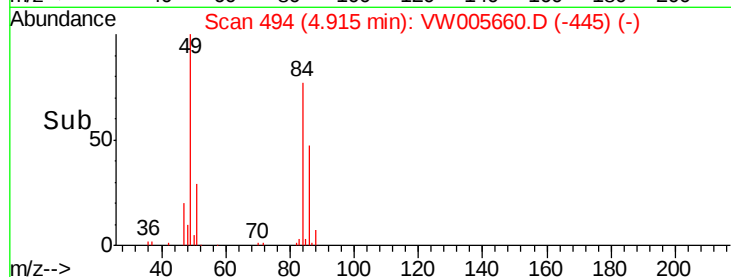
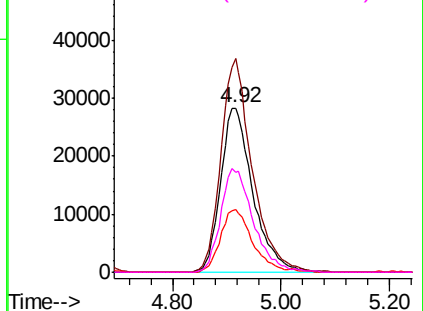
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#21

trans-1,2-Dichloroethene

Concen: 61.644 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

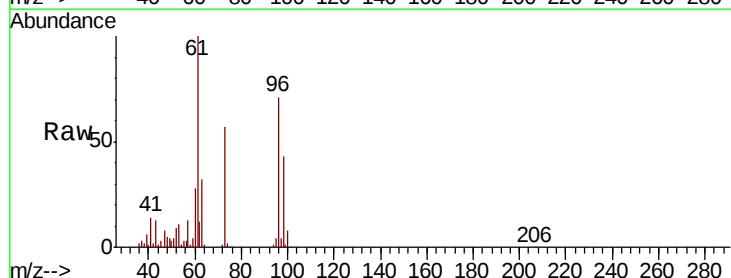
Tgt Ion: 96 Resp: 117110

Ion Ratio Lower Upper

96 100

61 139.9 118.9 178.3

98 60.2 52.1 78.1

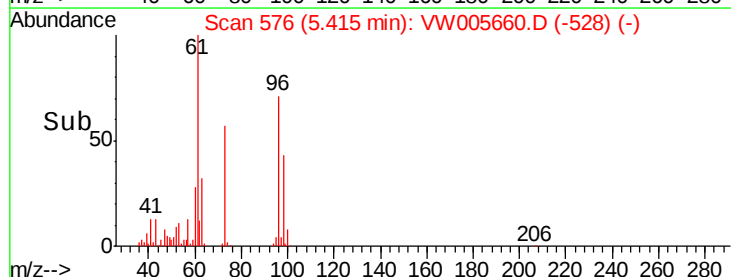
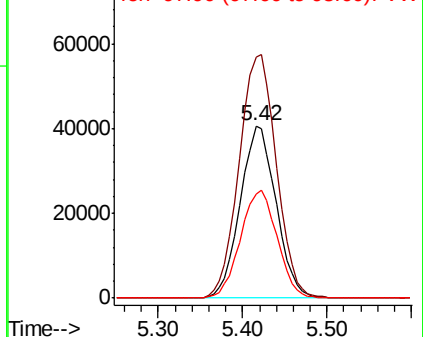


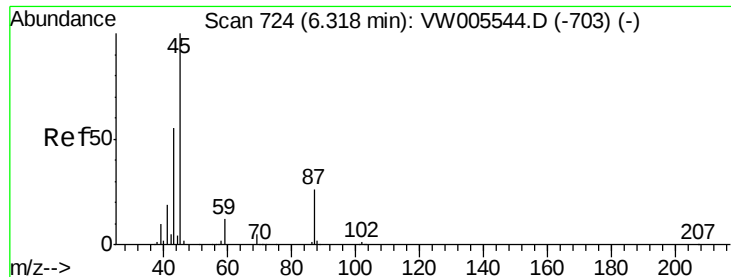
Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#22

Diisopropyl ether

Concen: 47.673 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

Instrument :

MSVOA_W

ClientSampleId :

EP1-Q1-G3

Tgt Ion: 45 Resp: 280141

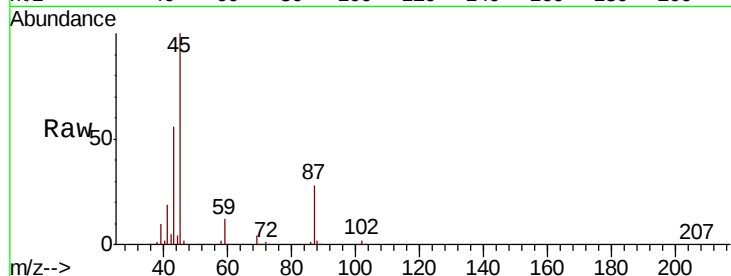
Ion Ratio Lower Upper

45 100

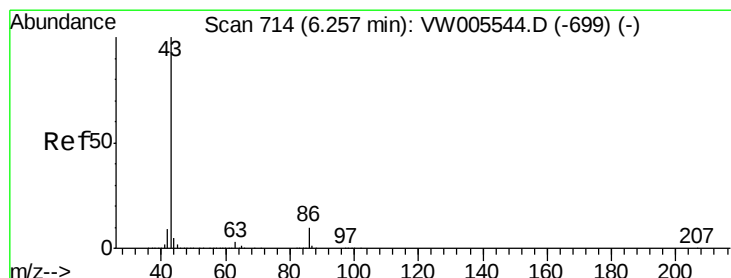
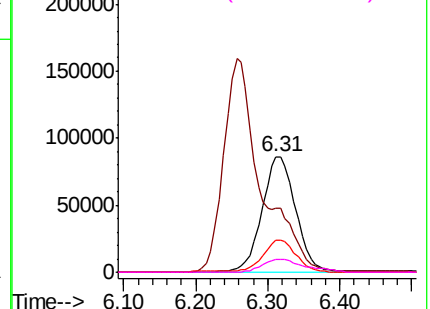
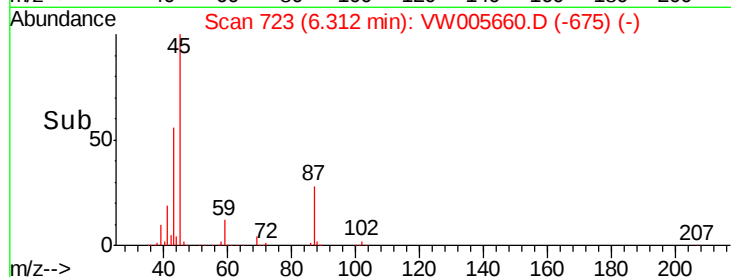
43 55.1 44.2 66.4

87 27.4 21.4 32.2

59 11.1 9.3 13.9



Abundance Ion 45.00 (44.70 to 45.70): VW
 250000 Ion 43.00 (42.70 to 43.70): VW
 200000 Ion 87.00 (86.70 to 87.70): VW
 150000 Ion 59.00 (58.70 to 59.70): VW
 100000
 50000
 0



#23

Vinyl Acetate

Concen: 172.767 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW005660.D

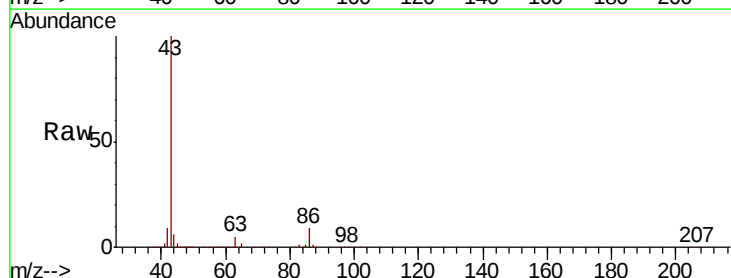
Acq: 26 Sep 2018 18:33

Tgt Ion: 43 Resp: 580271

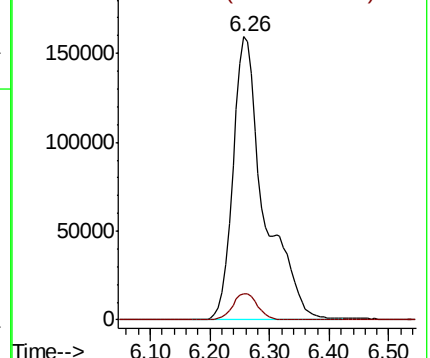
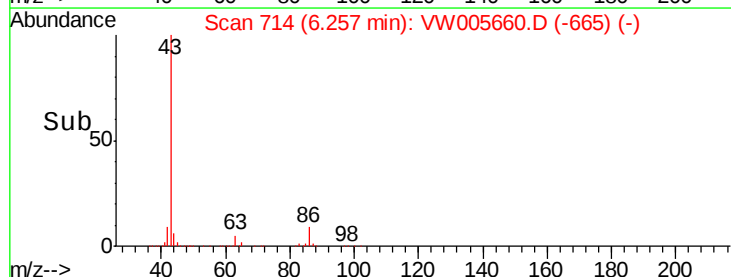
Ion Ratio Lower Upper

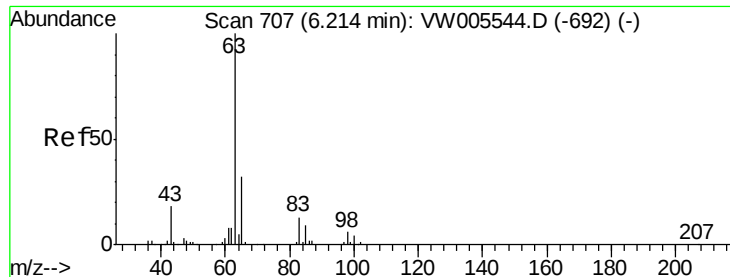
43 100

86 9.0 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VW
 150000 Ion 86.00 (85.70 to 86.70): VW
 100000
 50000
 0





#24

1,1-Dichloroethane

Concen: 59.279 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

Instrument :

MSVOA_W

ClientSampleId :

EP1-Q1-G3

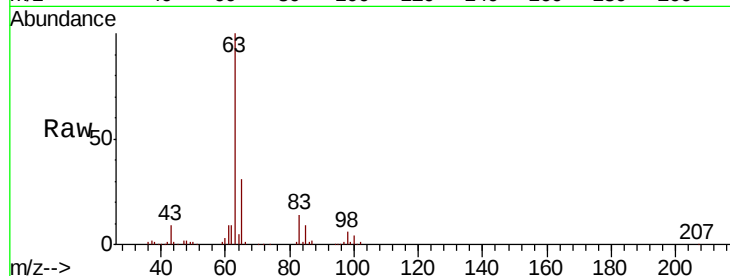
Tgt Ion: 63 Resp: 215218

Ion Ratio Lower Upper

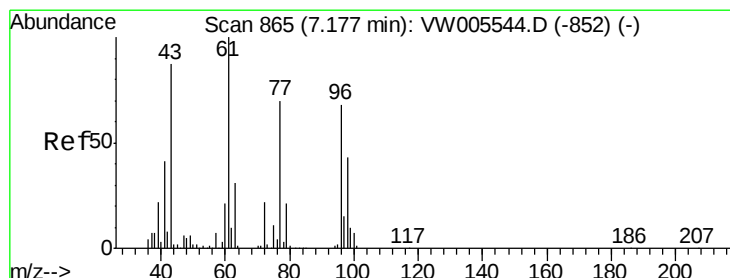
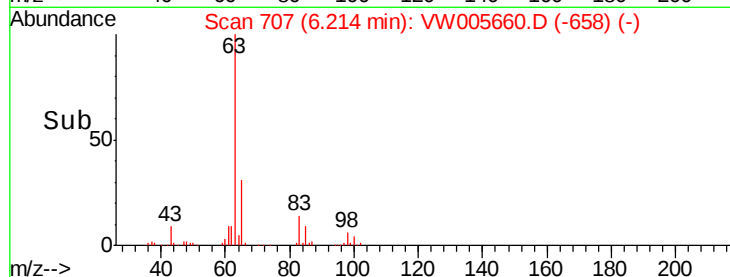
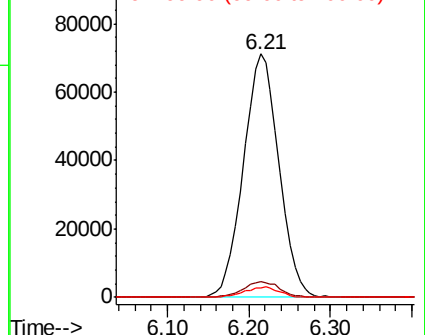
63 100

98 6.2 2.9 8.8

100 4.0 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 97.90 (97.60 to 98.60): VW
Ion 99.90 (99.60 to 100.60): VW



#25

2-Butanone

Concen: 358.086 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW005660.D

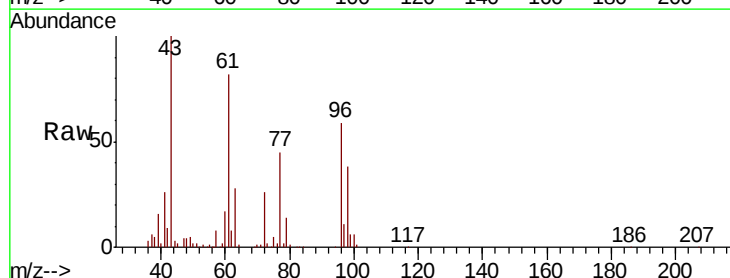
Acq: 26 Sep 2018 18:33

Tgt Ion: 43 Resp: 195129

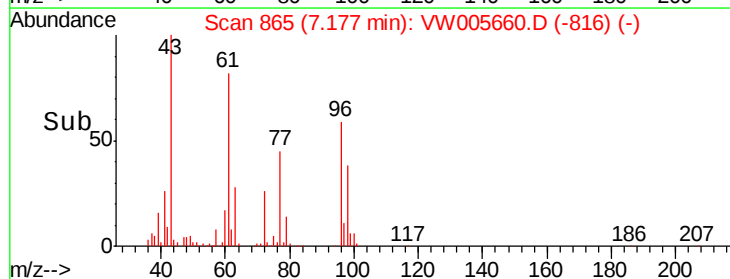
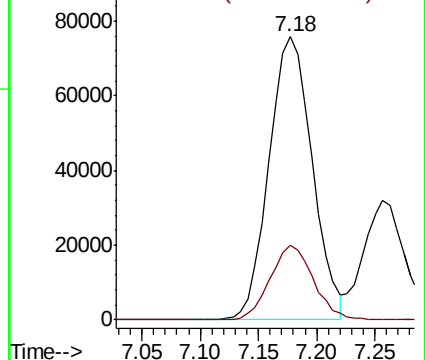
Ion Ratio Lower Upper

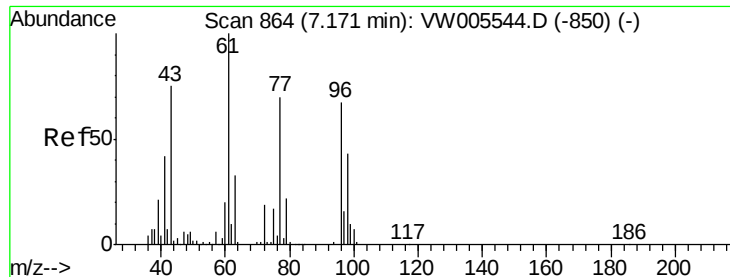
43 100

72 26.3 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

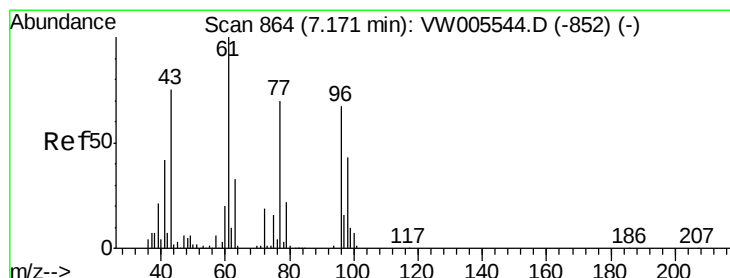
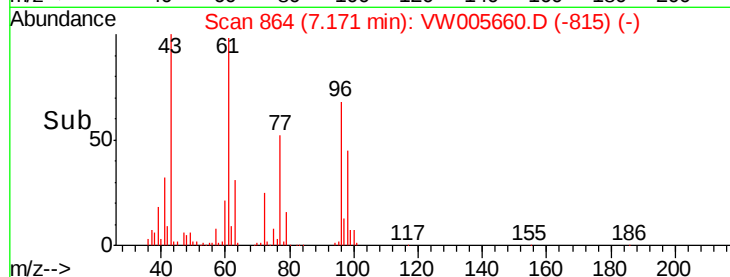
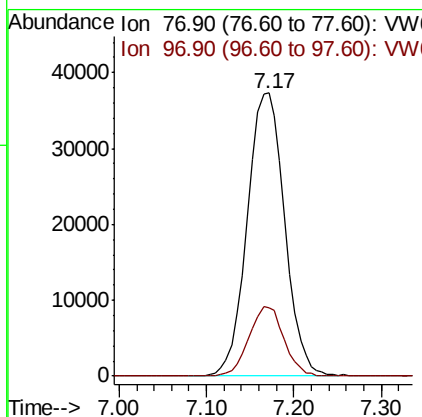
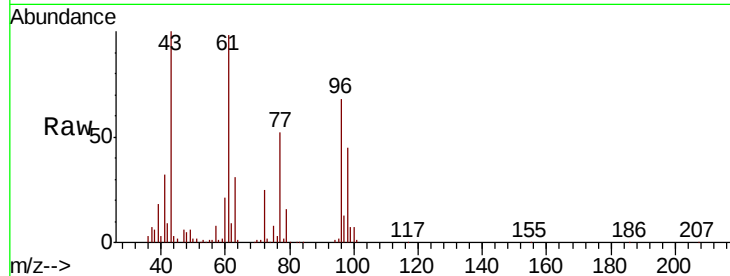




#26
 2,2-Dichloropropane
 Concen: 43.945 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW005660.D
 Acq: 26 Sep 2018 18:33

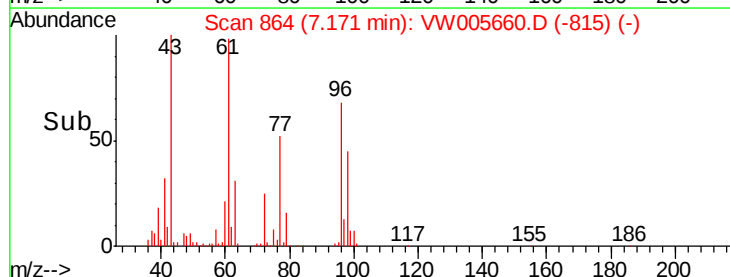
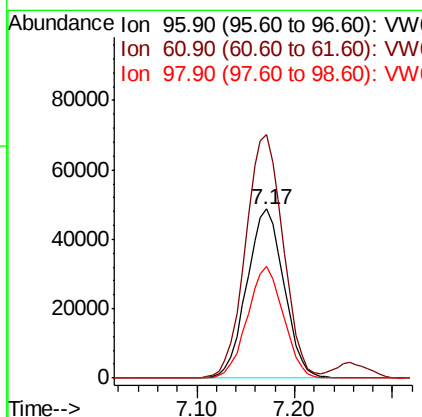
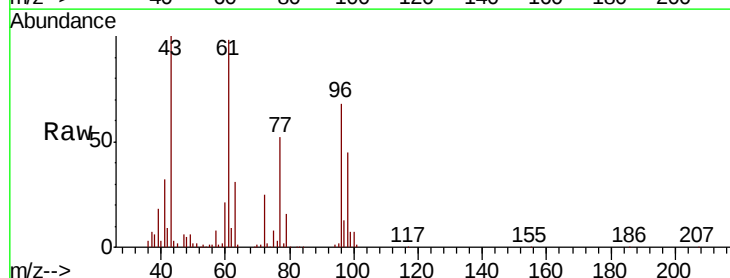
Instrument :
 MSVOA_W
 ClientSampled :
 EP1-Q1-G3

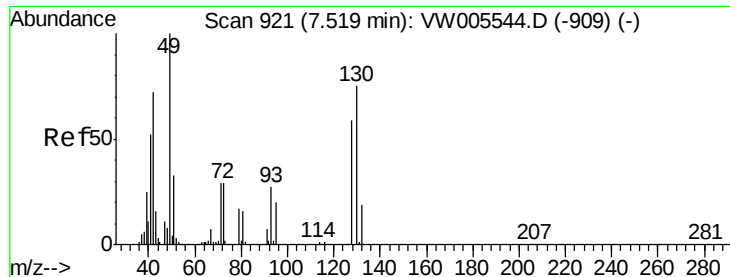
Tgt Ion: 77 Resp: 111383
 Ion Ratio Lower Upper
 77 100
 97 22.9 11.0 33.0



#27
 cis-1,2-Dichloroethene
 Concen: 61.183 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW005660.D
 Acq: 26 Sep 2018 18:33

Tgt Ion: 96 Resp: 128203
 Ion Ratio Lower Upper
 96 100
 61 145.6 0.0 303.4
 98 64.1 0.0 127.2





#28

Bromochloromethane

Concen: 56.390 ug/l

RT: 7.51 min Scan# 920

Delta R.T. -0.01 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

Instrument :

MSVOA_W

ClientSampleId :

EP1-Q1-G3

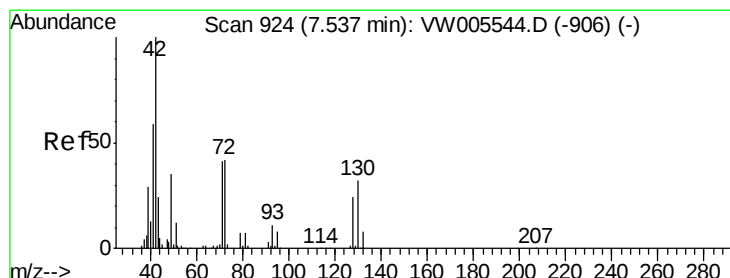
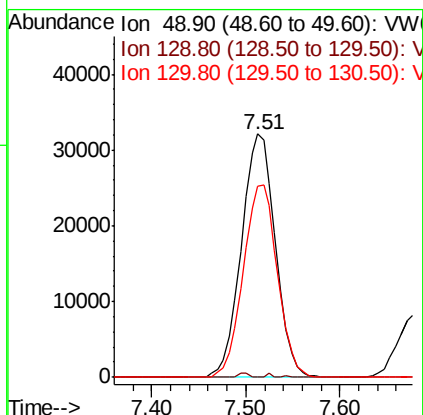
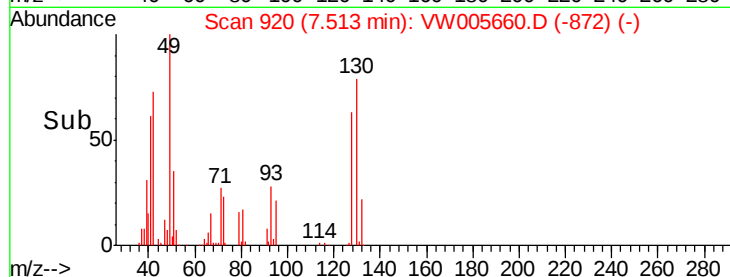
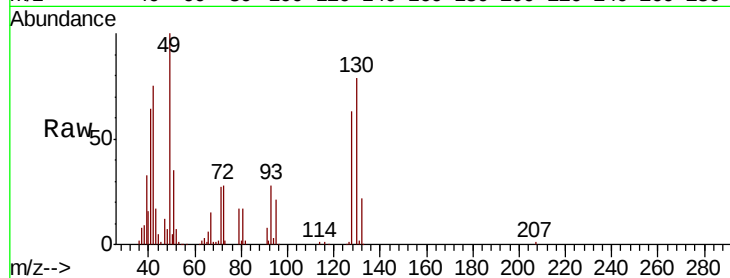
Tgt Ion: 49 Resp: 81096

Ion Ratio Lower Upper

49 100

129 0.3 0.0 1.4

130 79.5 61.3 91.9



#29

Tetrahydrofuran

Concen: 403.177 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.01 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

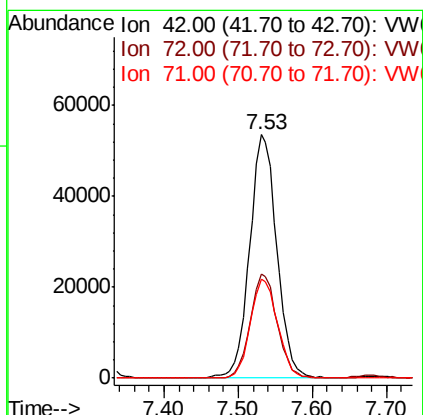
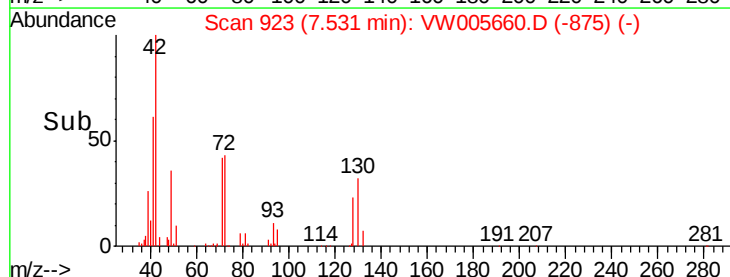
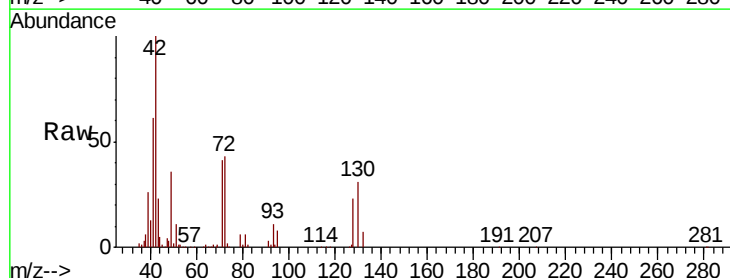
Tgt Ion: 42 Resp: 137254

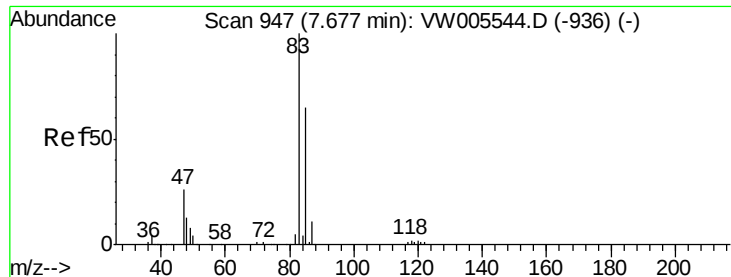
Ion Ratio Lower Upper

42 100

72 42.4 33.6 50.4

71 40.7 31.8 47.6

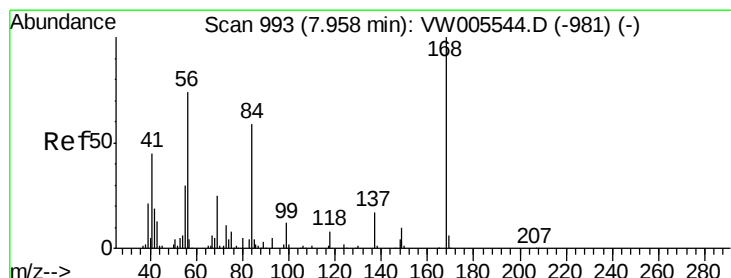
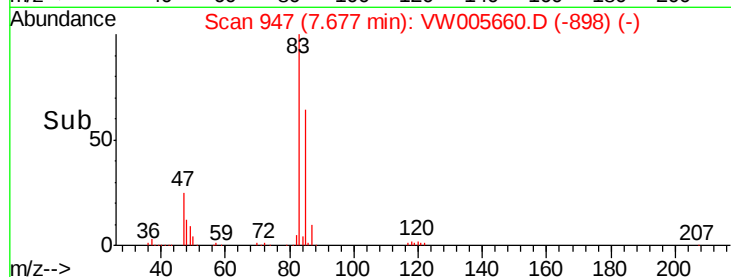
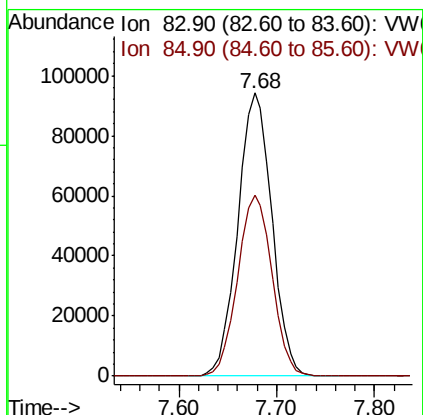
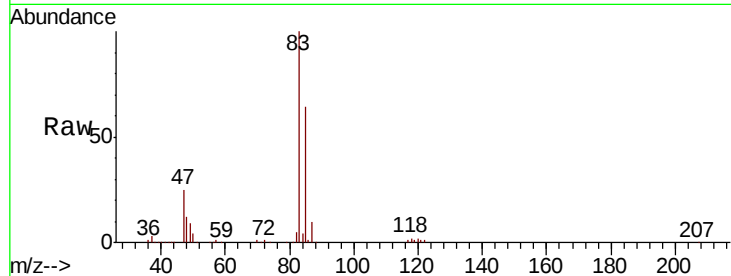




#30
Chloroform
Concen: 60.577 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW005660.D
Acq: 26 Sep 2018 18:33

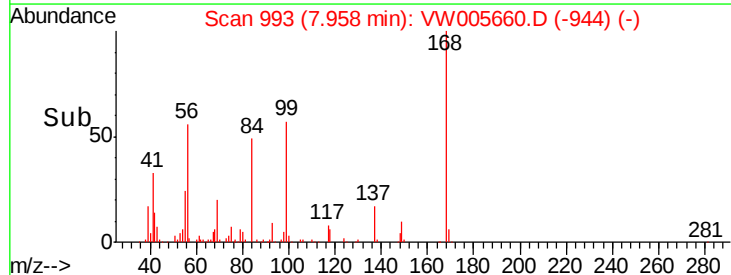
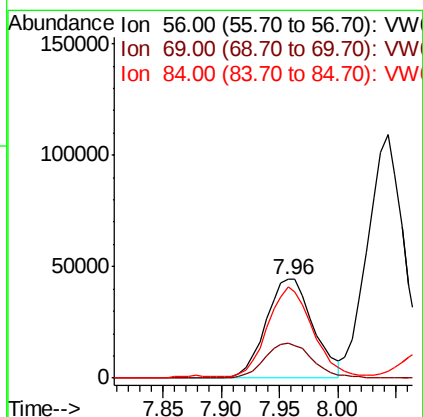
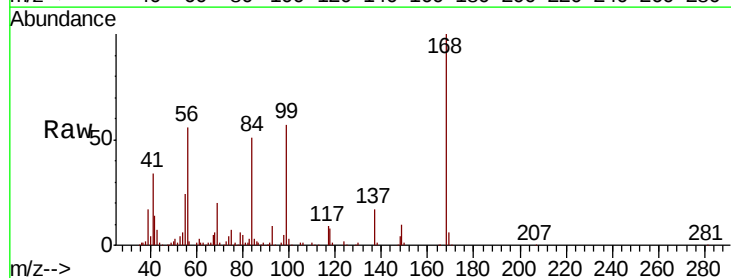
Instrument :
MSVOA_W
ClientSampled :
EP1-Q1-G3

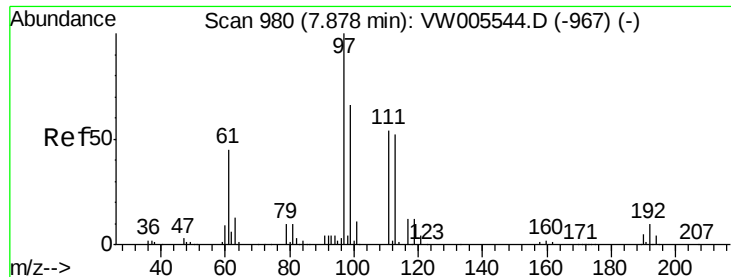
Tgt Ion: 83 Resp: 227057
Ion Ratio Lower Upper
83 100
85 63.9 51.8 77.6



#31
Cyclohexane
Concen: 35.877 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW005660.D
Acq: 26 Sep 2018 18:33

Tgt Ion: 56 Resp: 124792
Ion Ratio Lower Upper
56 100
69 35.5 27.0 40.4
84 90.0 64.2 96.4





#32

1,1,1-Trichloroethane

Concen: 50.364 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

Instrument :

MSVOA_W

ClientSampleId :

EP1-Q1-G3

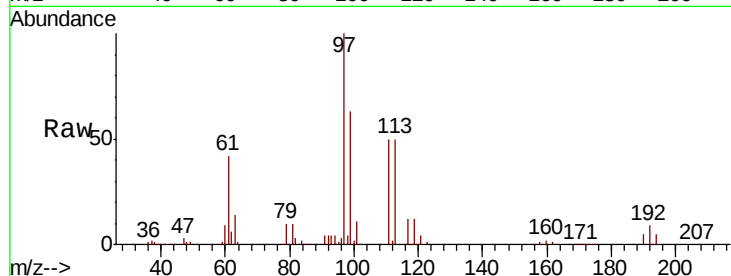
Tgt Ion: 97 Resp: 166765

Ion Ratio Lower Upper

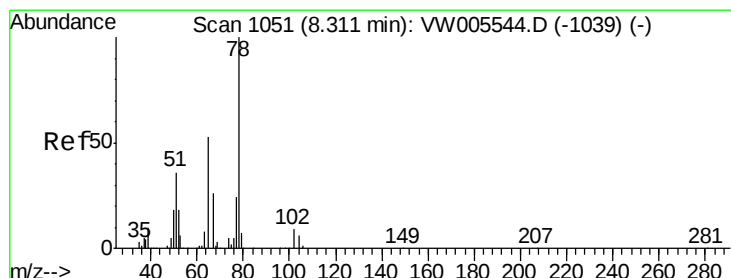
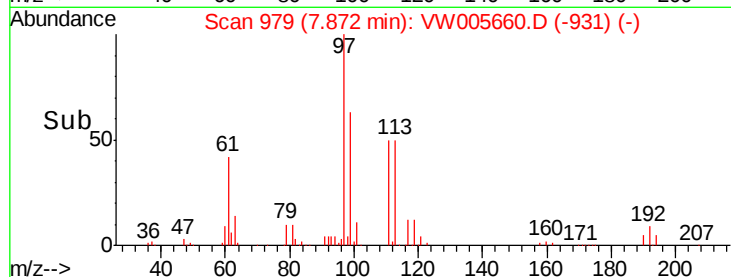
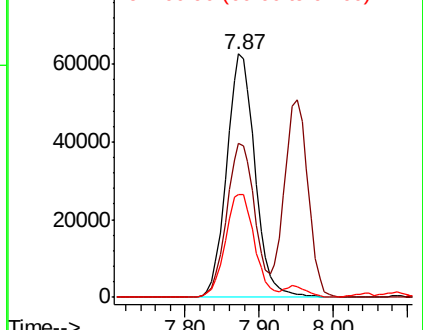
97 100

99 63.0 51.0 76.6

61 43.6 36.2 54.2



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW



#33

1,2-Dichloroethane-d4

Concen: 61.903 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW005660.D

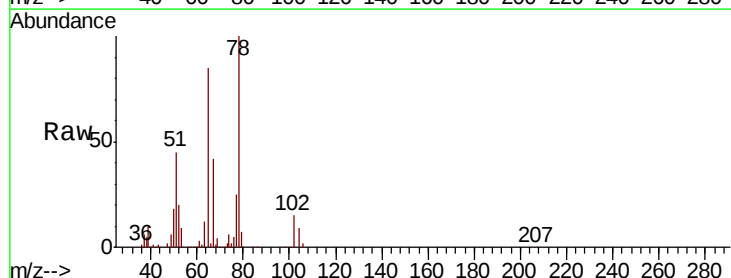
Acq: 26 Sep 2018 18:33

Tgt Ion: 65 Resp: 138887

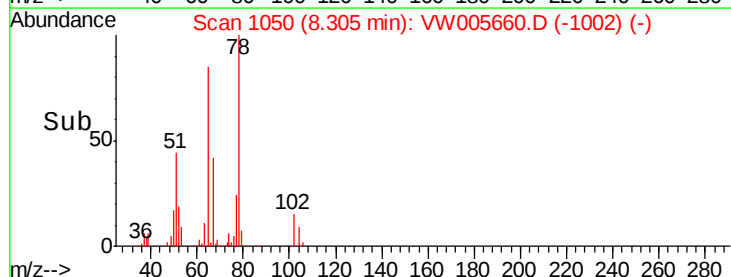
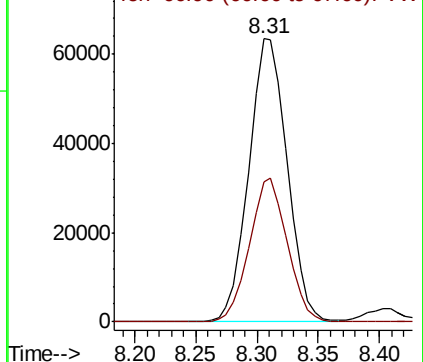
Ion Ratio Lower Upper

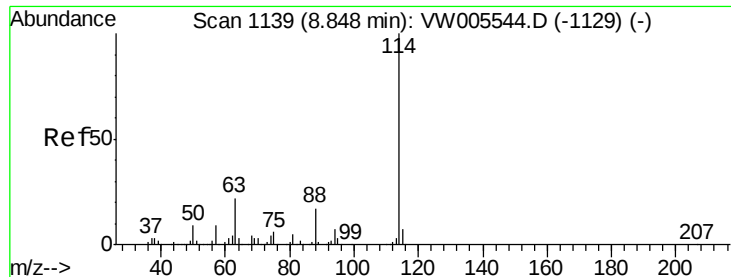
65 100

67 49.9 0.0 100.6



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

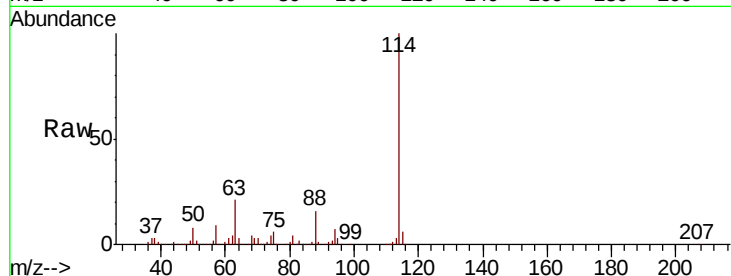




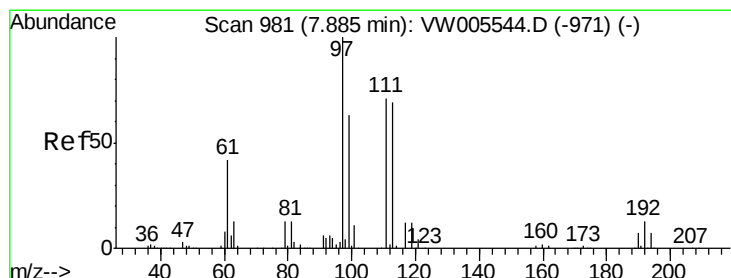
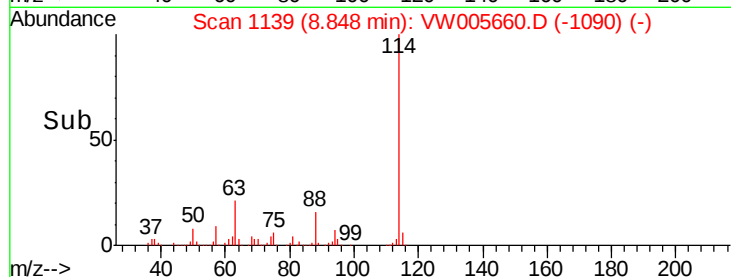
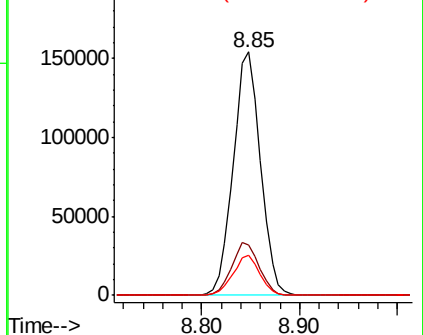
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005660.D
 Acq: 26 Sep 2018 18:33

Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-Q1-G3

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	43.0
88	16.2	0.0	33.0

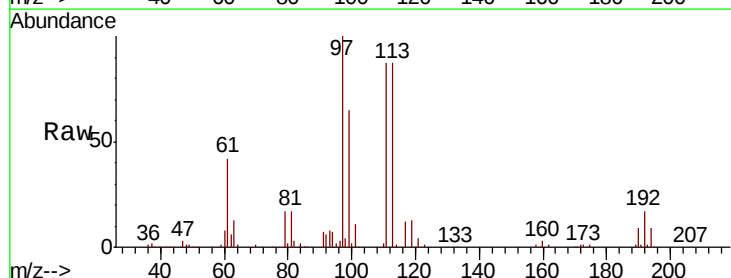


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

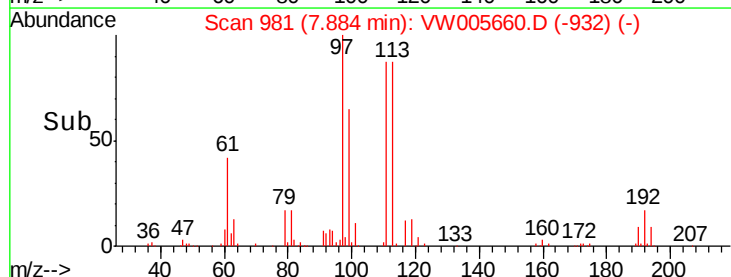
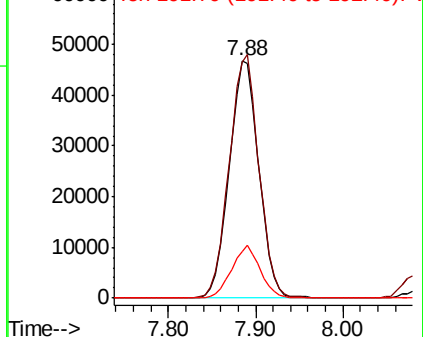


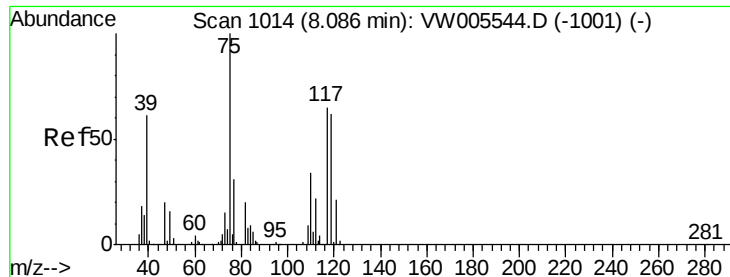
#35
 Dibromofluoromethane
 Concen: 58.777 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW005660.D
 Acq: 26 Sep 2018 18:33

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.6	123.8
192	21.1	17.0	25.4



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

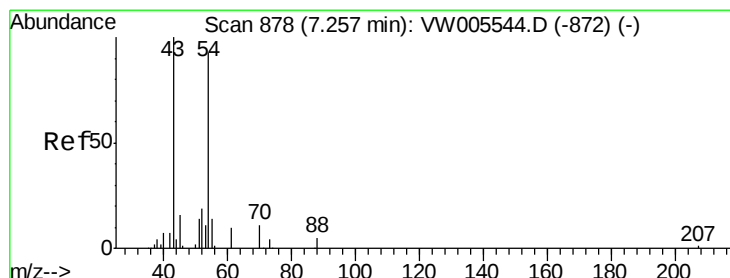
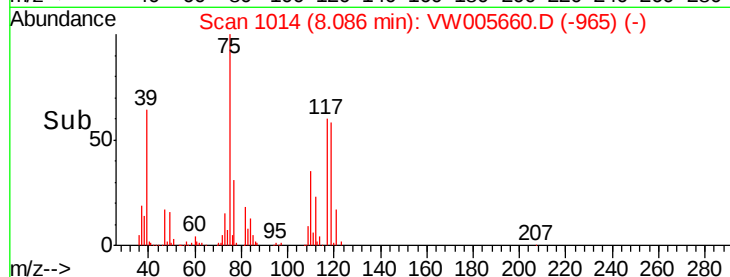
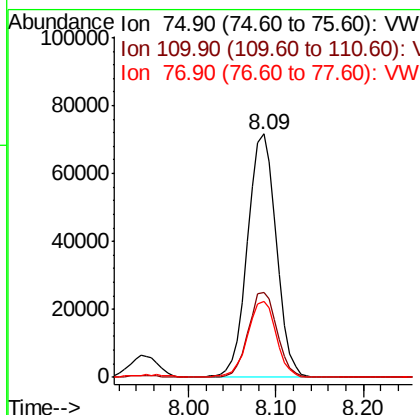
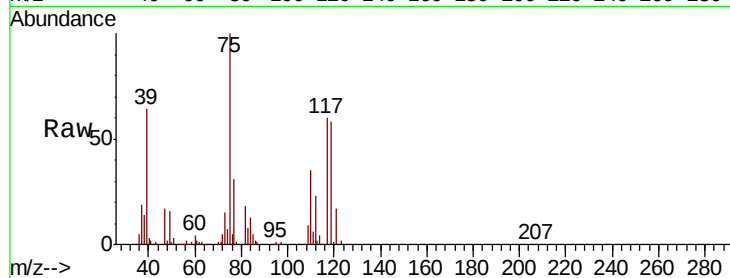




#36
 1,1-Dichloropropene
 Concen: 54.549 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VW005660.D
 Acq: 26 Sep 2018 18:33

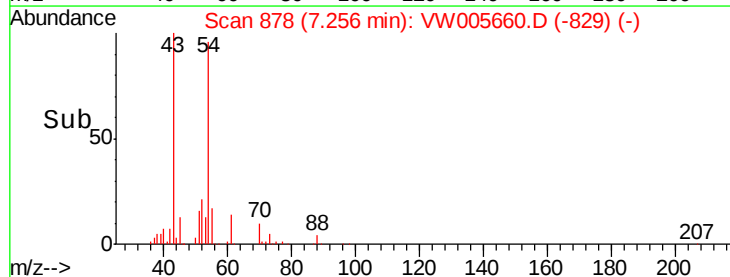
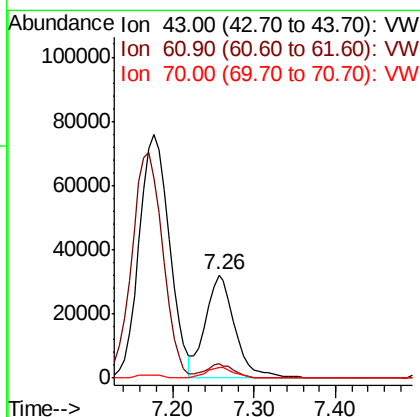
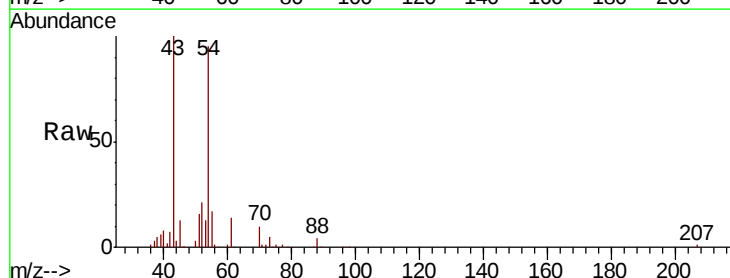
Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-Q1-G3

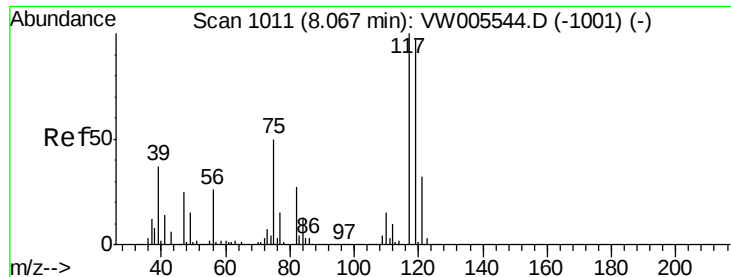
Tgt Ion: 75 Resp: 163383
 Ion Ratio Lower Upper
 75 100
 110 34.6 17.0 50.9
 77 31.3 24.8 37.2



#37
 Ethyl Acetate
 Concen: 64.319 ug/l
 RT: 7.26 min Scan# 878
 Delta R.T. -0.00 min
 Lab File: VW005660.D
 Acq: 26 Sep 2018 18:33

Tgt Ion: 43 Resp: 81070
 Ion Ratio Lower Upper
 43 100
 61 13.4 10.4 15.6
 70 10.0 8.2 12.2

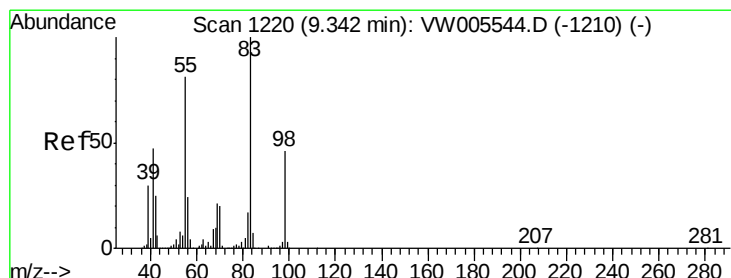
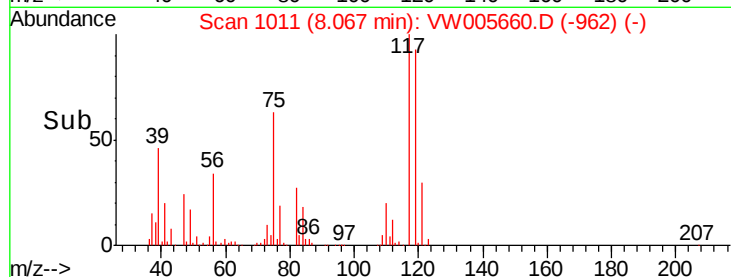
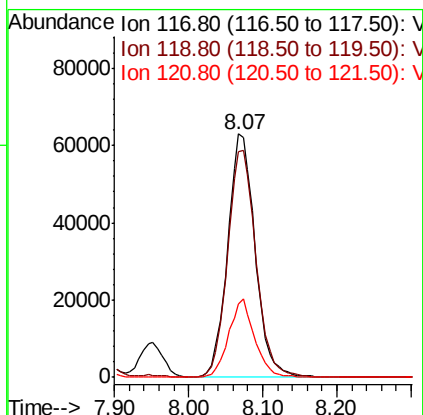
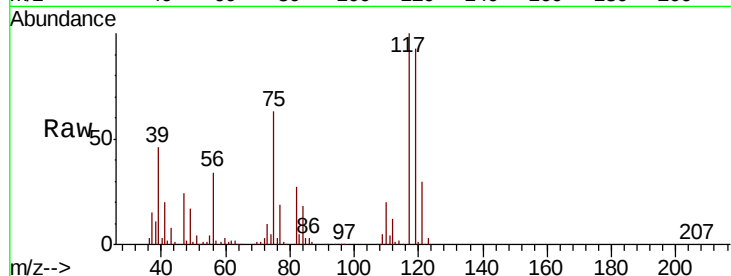




#38
Carbon Tetrachloride
Concen: 50.784 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW005660.D
Acq: 26 Sep 2018 18:33

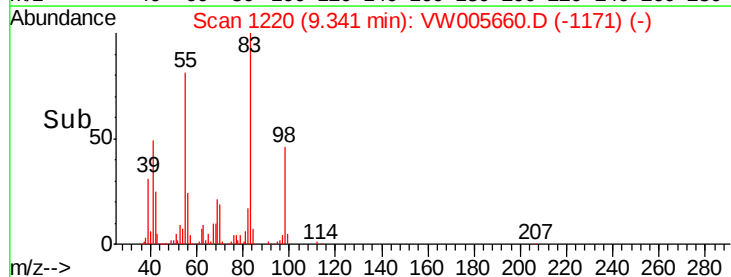
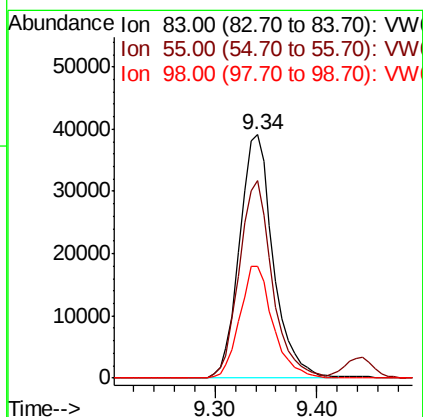
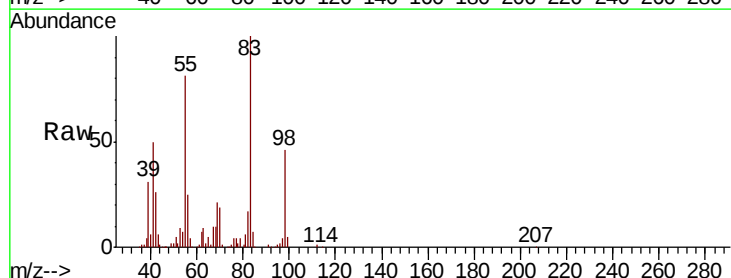
Instrument :
MSVOA_W
ClientSampleId :
EP1-Q1-G3

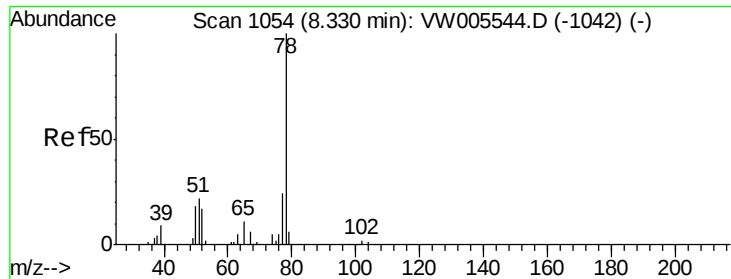
Tgt Ion: 117 Resp: 162995
Ion Ratio Lower Upper
117 100
119 92.7 77.6 116.4
121 30.1 25.7 38.5



#39
Methylcyclohexane
Concen: 25.466 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VW005660.D
Acq: 26 Sep 2018 18:33

Tgt Ion: 83 Resp: 89991
Ion Ratio Lower Upper
83 100
55 81.1 64.6 97.0
98 46.0 37.0 55.6





#40

Benzene

Concen: 56.969 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

Instrument :

MSVOA_W

ClientSampleId :

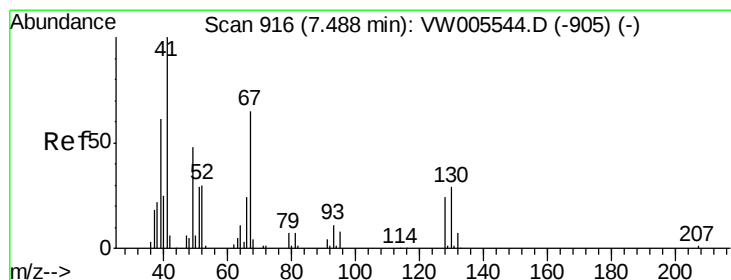
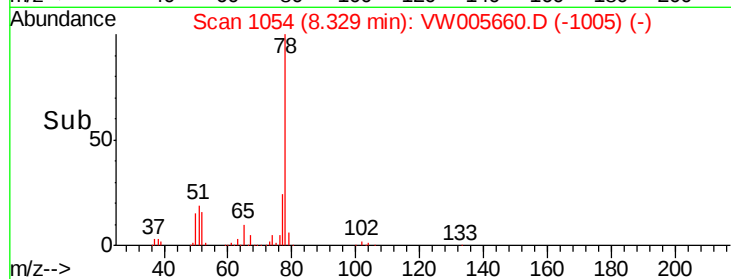
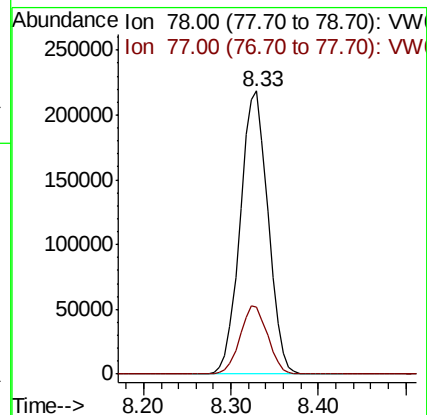
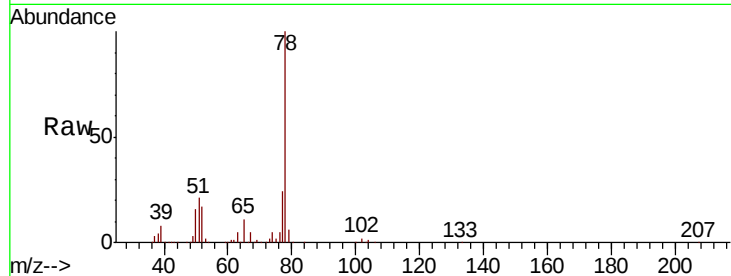
EP1-Q1-G3

Tgt Ion: 78 Resp: 483460

Ion Ratio Lower Upper

78 100

77 23.7 19.0 28.4



#41

Methacrylonitrile

Concen: 76.437 ug/l

RT: 7.49 min Scan# 916

Delta R.T. -0.00 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

Tgt Ion: 41 Resp: 54825

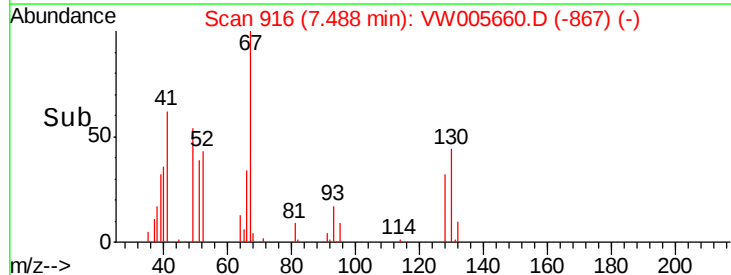
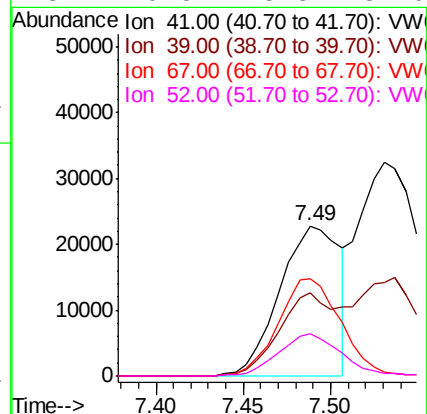
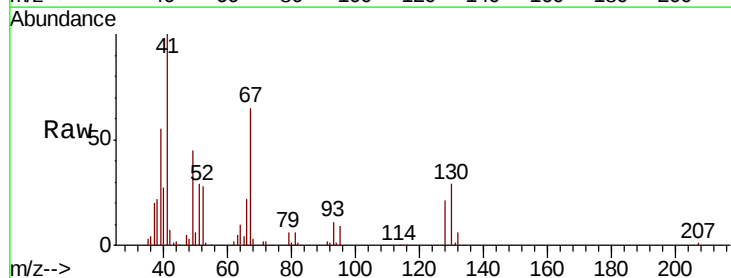
Ion Ratio Lower Upper

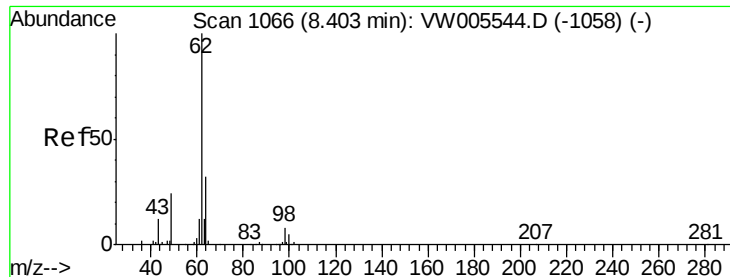
41 100

39 46.8 45.4 68.2

67 67.4 55.2 82.8

52 29.8 25.3 37.9





#42

1,2-Dichloroethane

Concen: 63.523 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

Instrument :

MSVOA_W

ClientSampleId :

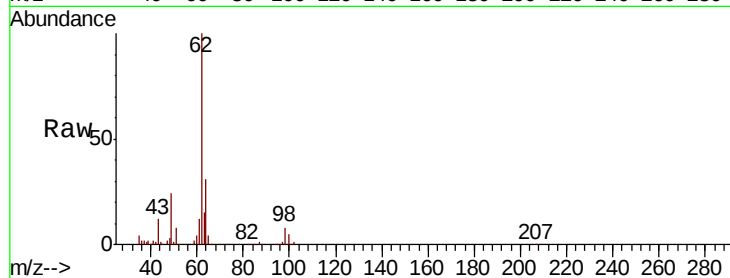
EP1-Q1-G3

Tgt Ion: 62 Resp: 172594

Ion Ratio Lower Upper

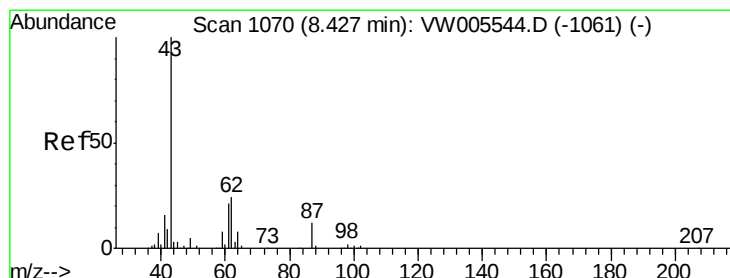
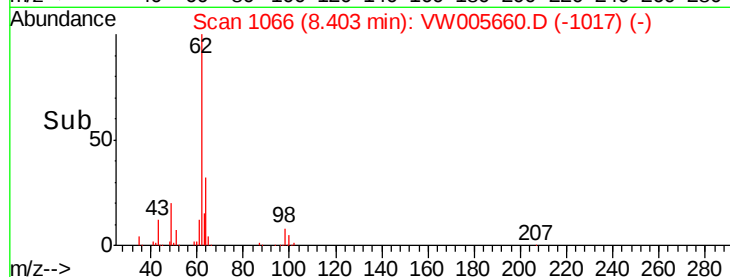
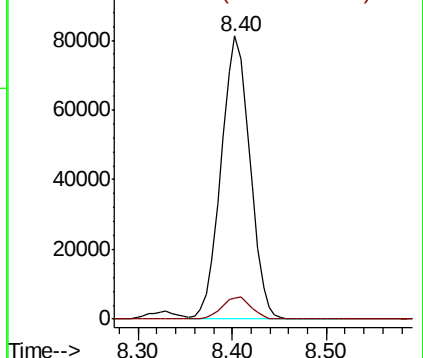
62 100

98 7.9 0.0 15.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW



#43

Isopropyl Acetate

Concen: 66.581 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

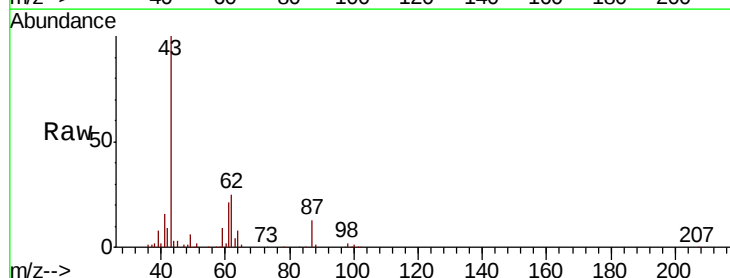
Tgt Ion: 43 Resp: 164998

Ion Ratio Lower Upper

43 100

61 29.3 24.1 36.1

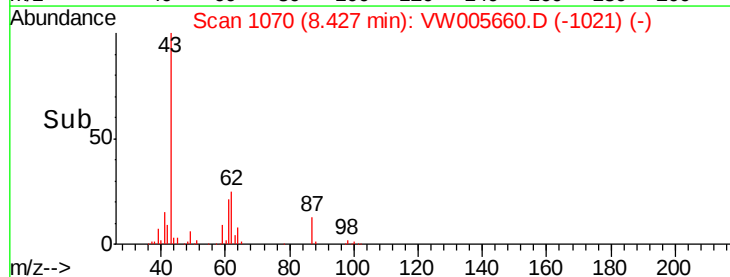
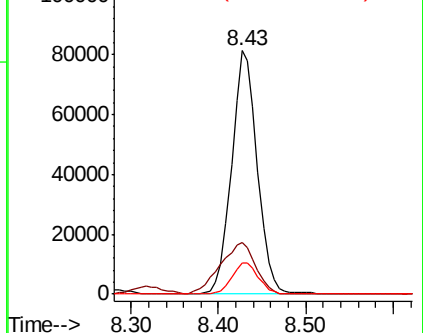
87 13.3 9.8 14.8

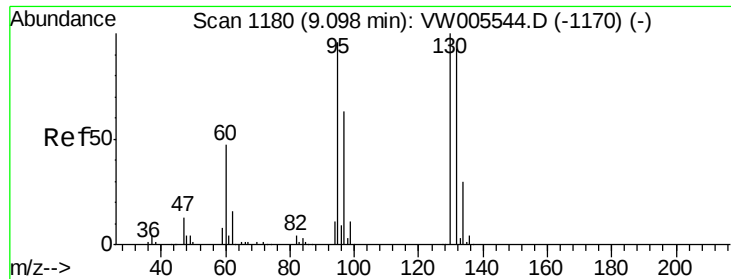


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW





#44

Trichloroethene

Concen: 55.912 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

Instrument :

MSVOA_W

ClientSampleId :

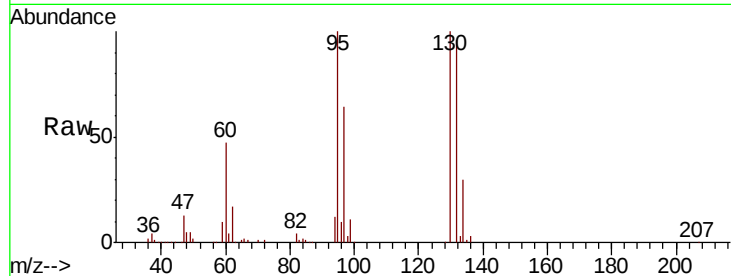
EP1-Q1-G3

Tgt Ion:130 Resp: 121453

Ion Ratio Lower Upper

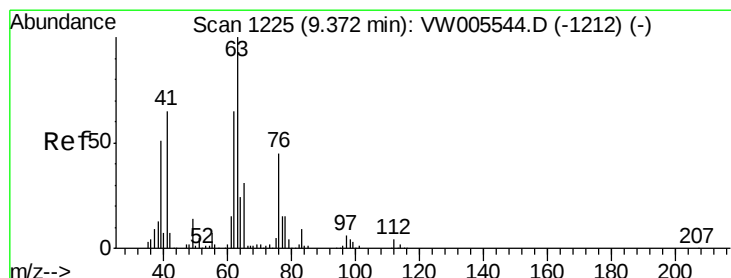
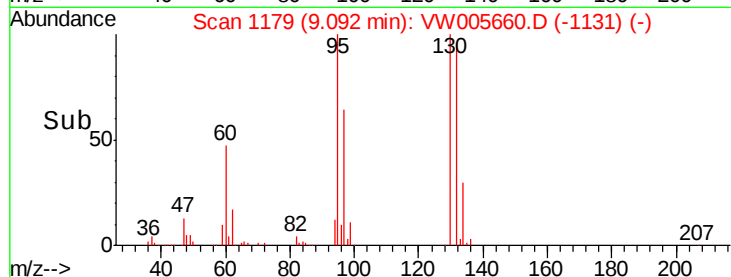
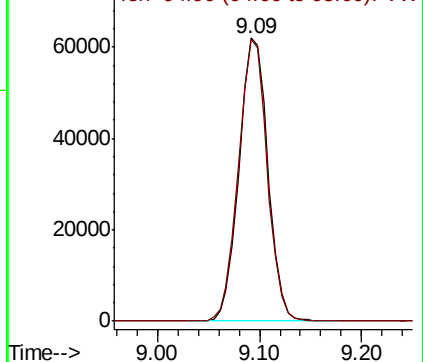
130 100

95 99.9 0.0 191.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW



#45

1,2-Dichloropropane

Concen: 56.616 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW005660.D

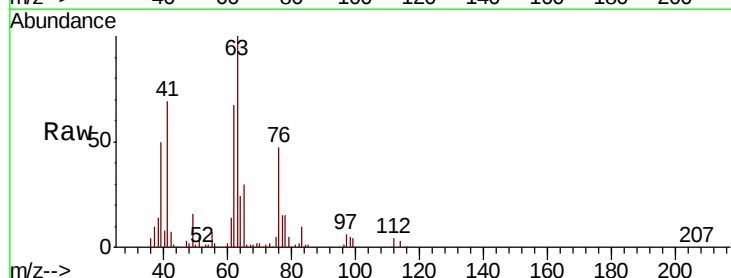
Acq: 26 Sep 2018 18:33

Tgt Ion: 63 Resp: 118203

Ion Ratio Lower Upper

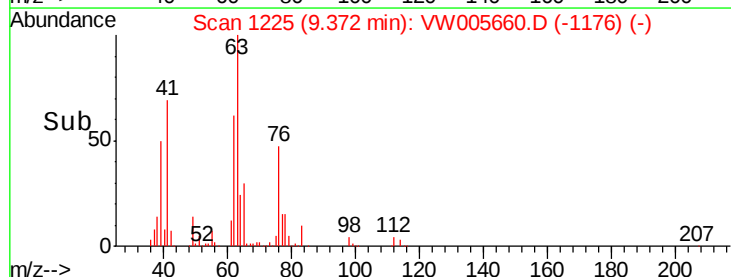
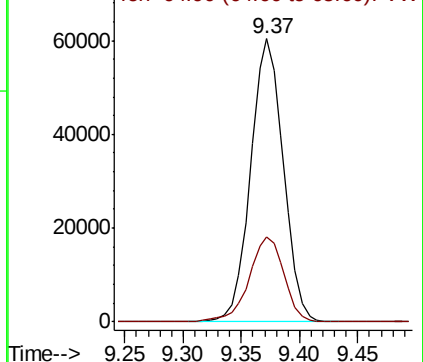
63 100

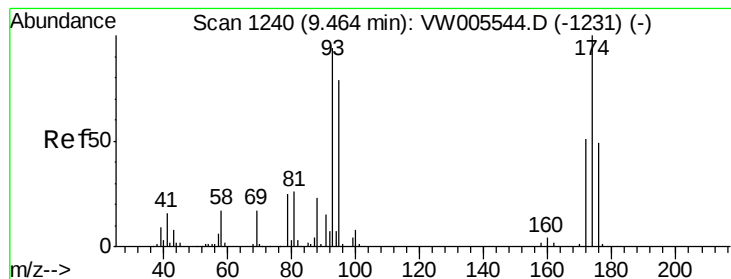
65 30.0 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW





#46

Dibromomethane

Concen: 64.096 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

Instrument :

MSVOA_W

ClientSampled :

EP1-Q1-G3

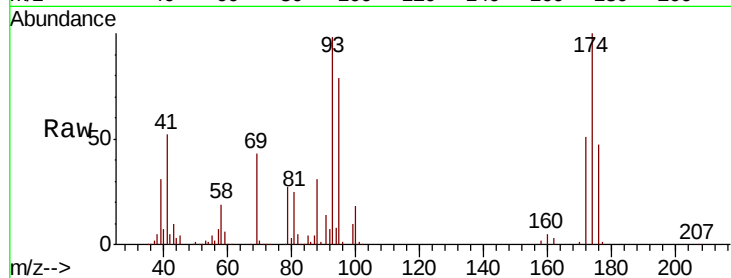
Tgt Ion: 93 Resp: 66863

Ion Ratio Lower Upper

93 100

95 83.1 65.8 98.8

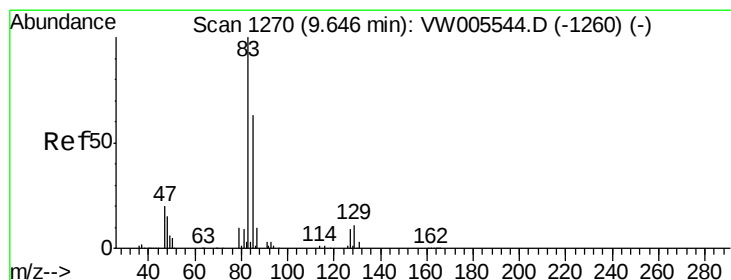
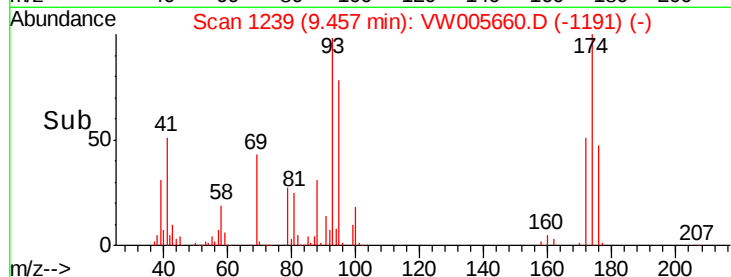
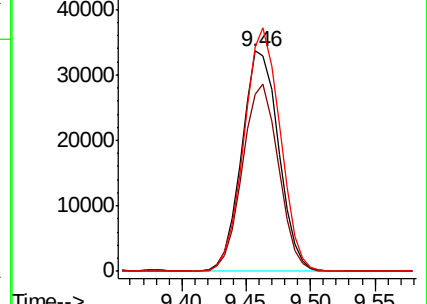
174 108.0 84.0 126.0



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 60.207 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

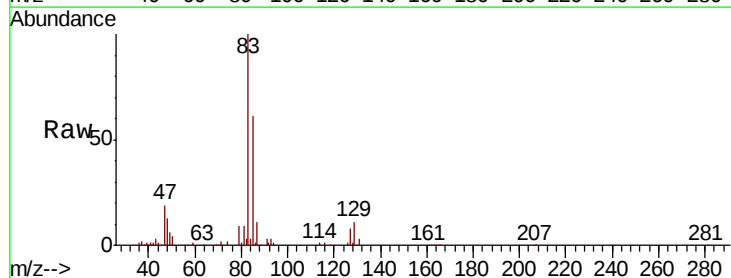
Tgt Ion: 83 Resp: 168715

Ion Ratio Lower Upper

83 100

85 61.1 50.5 75.7

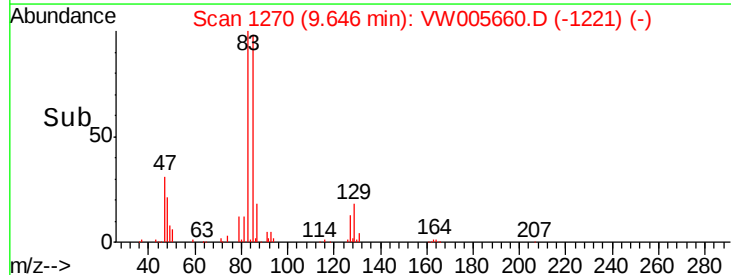
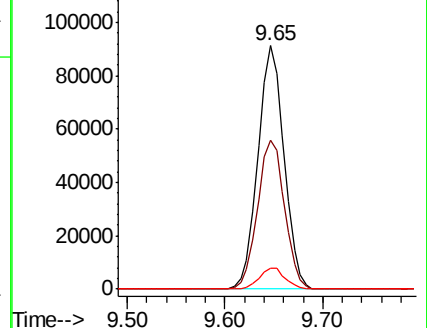
127 8.3 7.0 10.6

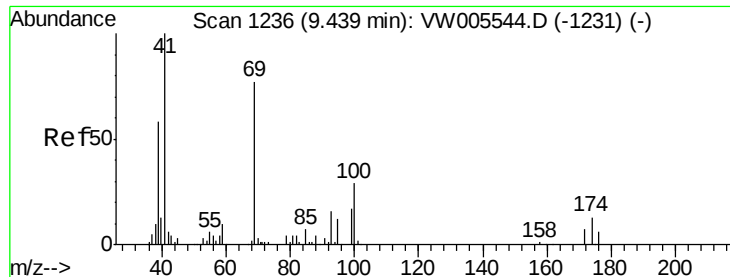


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V

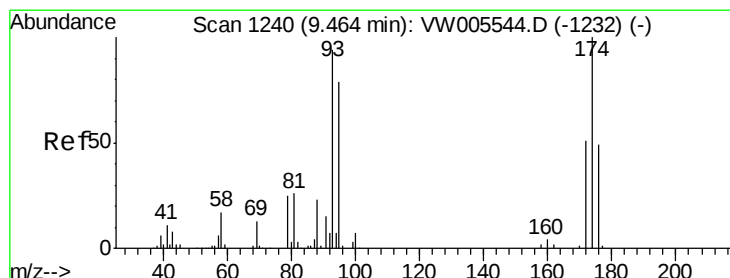
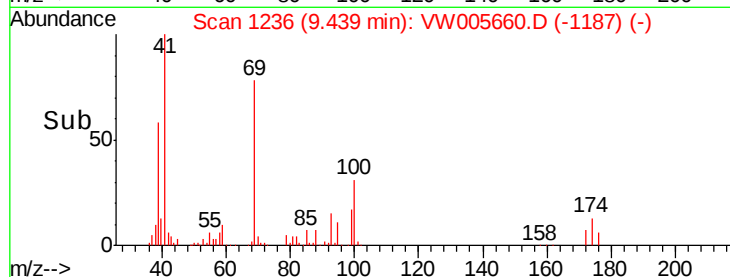
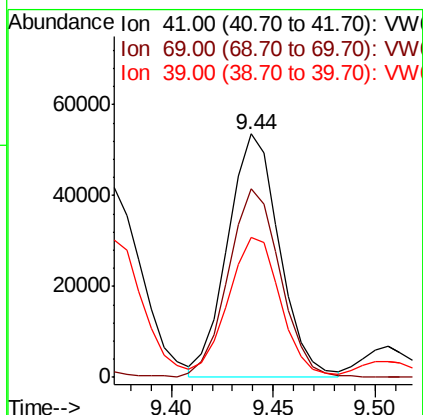
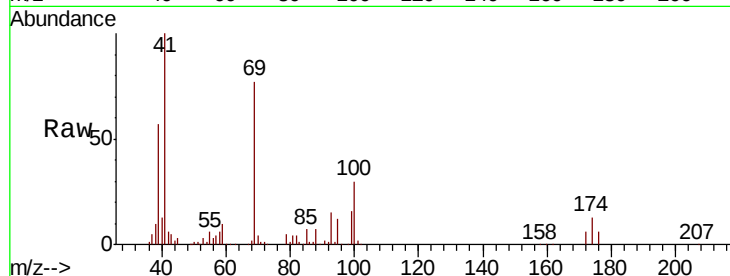




#48
Methyl methacrylate
Concen: 79.848 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW005660.D
Acq: 26 Sep 2018 18:33

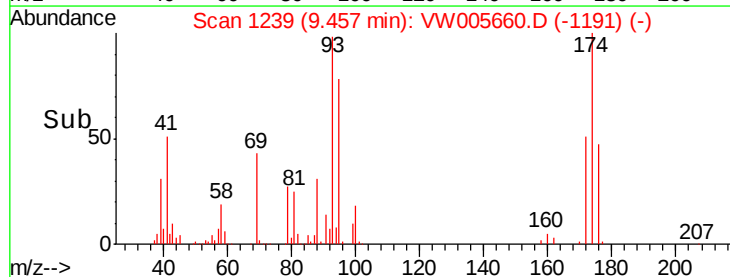
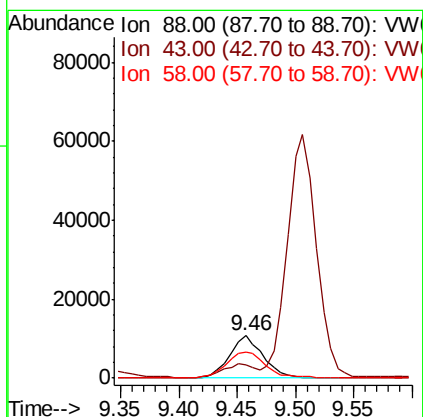
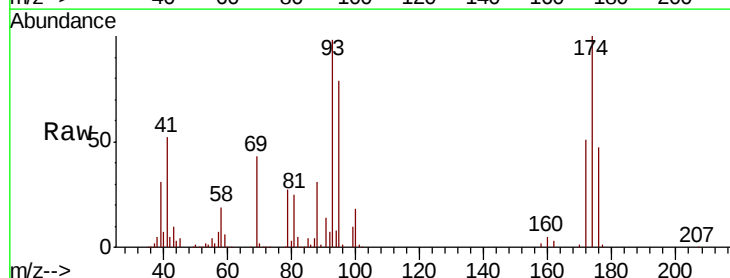
Instrument :
MSVOA_W
ClientSampleId :
EP1-Q1-G3

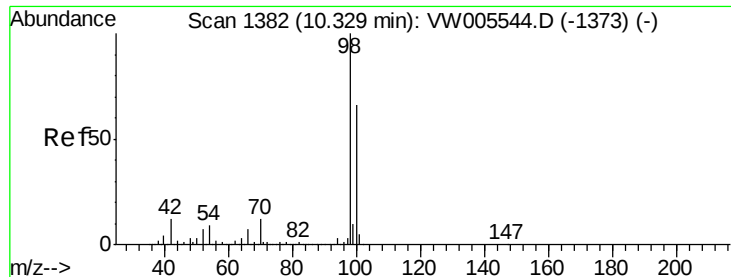
Tgt Ion: 41 Resp: 93985
Ion Ratio Lower Upper
41 100
69 78.1 64.7 97.1
39 58.5 50.5 75.7



#49
1,4-Dioxane
Concen: 1288.021 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VW005660.D
Acq: 26 Sep 2018 18:33

Tgt Ion: 88 Resp: 21362
Ion Ratio Lower Upper
88 100
43 31.9 0.0 0.0#
58 74.4 61.2 91.8





#50

Toluene-d8

Concen: 52.626 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

Instrument :

MSVOA_W

ClientSampleId :

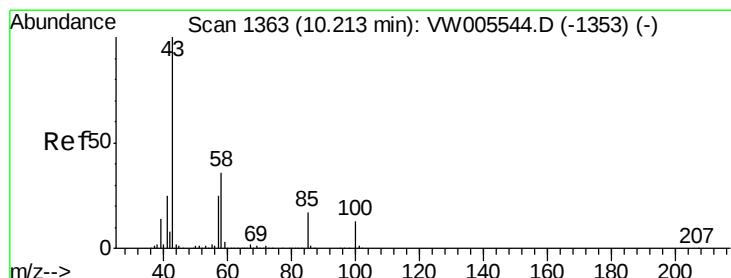
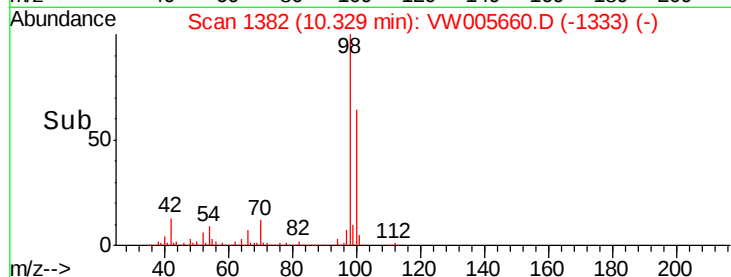
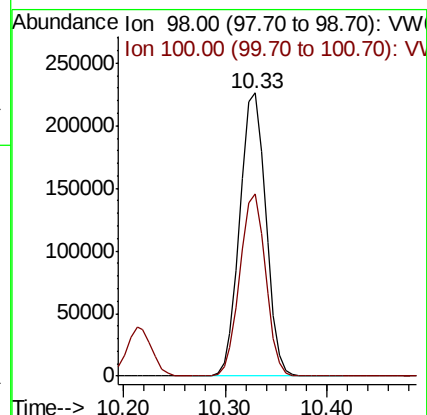
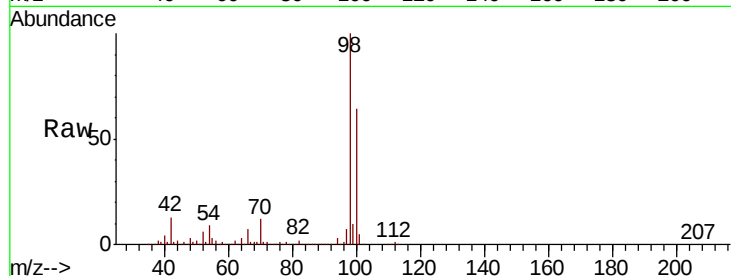
EP1-Q1-G3

Tgt Ion: 98 Resp: 400935

Ion Ratio Lower Upper

98 100

100 63.6 51.6 77.4



#51

4-Methyl-2-Pentanone

Concen: 374.288 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW005660.D

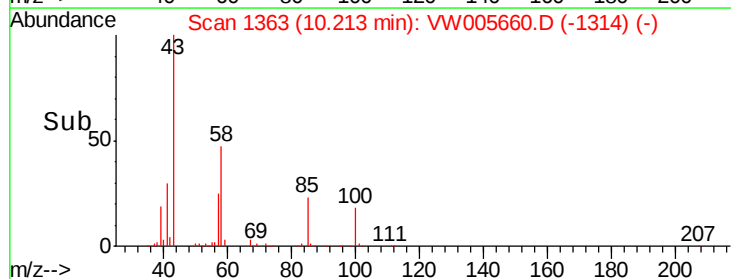
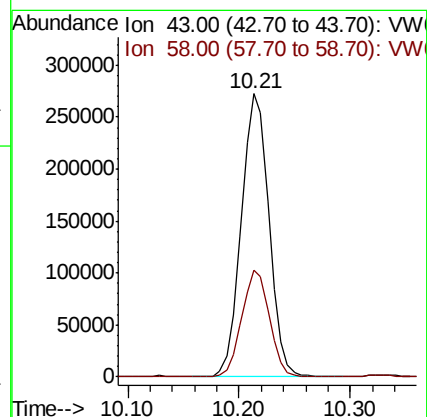
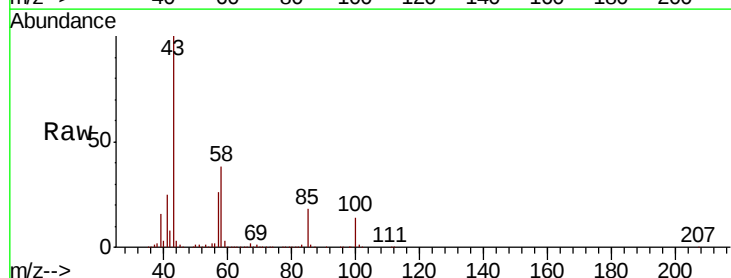
Acq: 26 Sep 2018 18:33

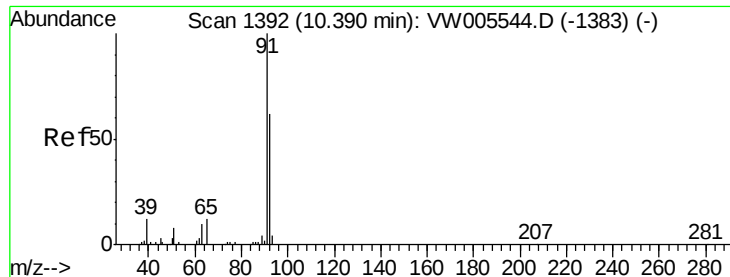
Tgt Ion: 43 Resp: 467165

Ion Ratio Lower Upper

43 100

58 37.7 30.0 45.0





#52

Toluene

Concen: 54.113 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

Instrument :

MSVOA_W

ClientSampleId :

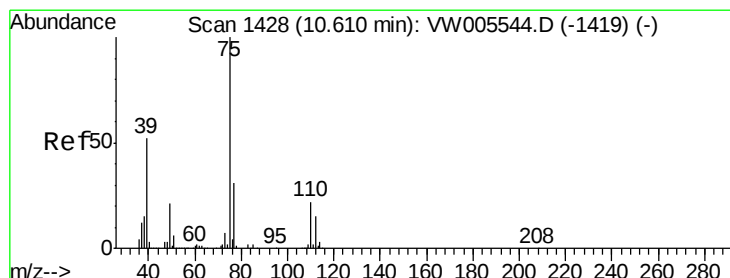
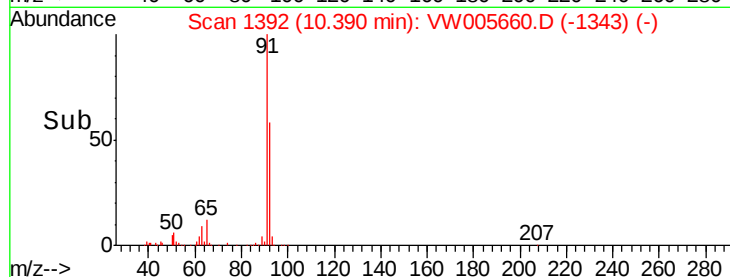
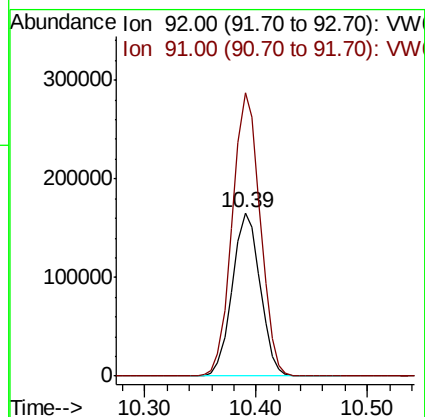
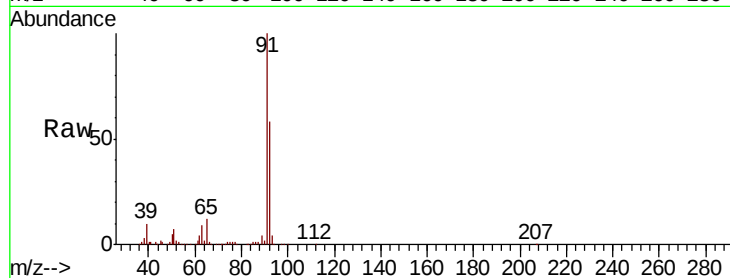
EP1-Q1-G3

Tgt Ion: 92 Resp: 286537

Ion Ratio Lower Upper

92 100

91 173.2 137.1 205.7



#53

t-1,3-Dichloropropene

Concen: 63.606 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW005660.D

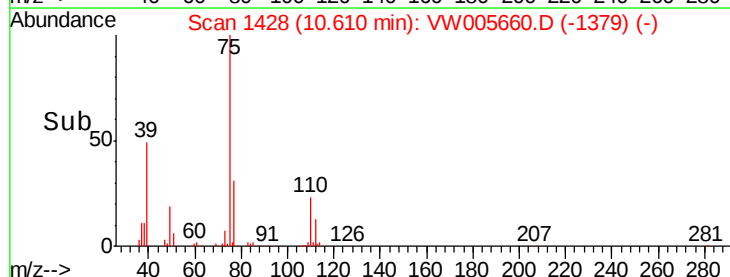
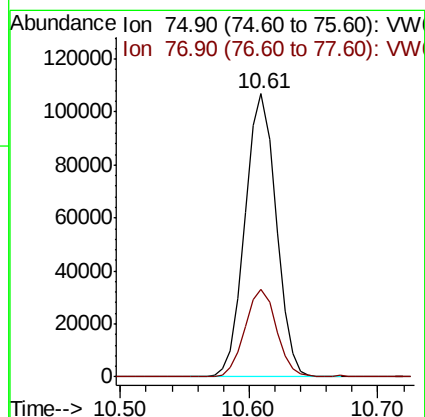
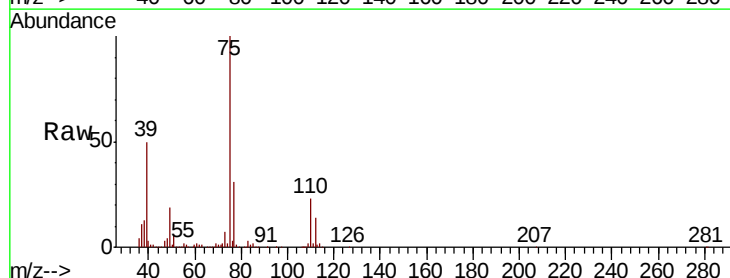
Acq: 26 Sep 2018 18:33

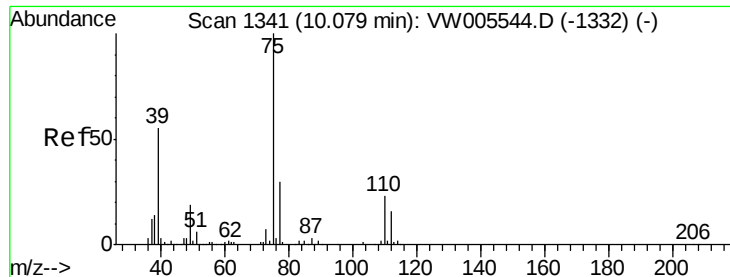
Tgt Ion: 75 Resp: 178685

Ion Ratio Lower Upper

75 100

77 31.0 24.6 37.0





#54

cis-1,3-Dichloropropene

Concen: 61.335 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

Instrument :

MSVOA_W

ClientSampleId :

EP1-Q1-G3

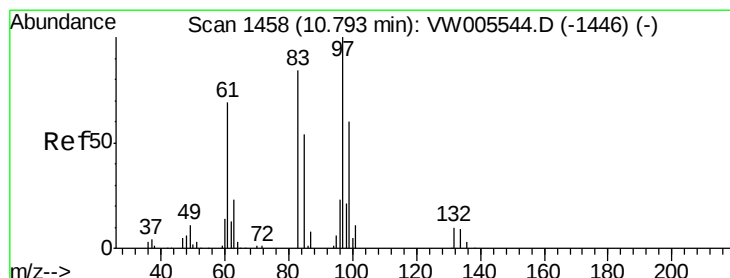
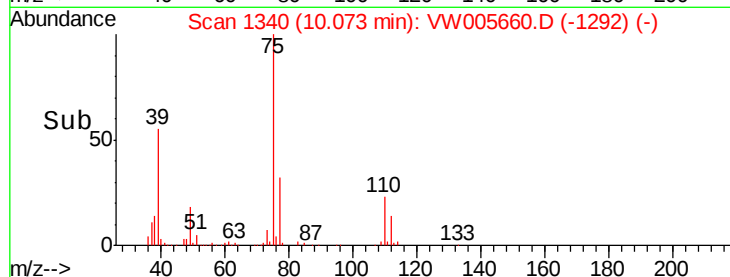
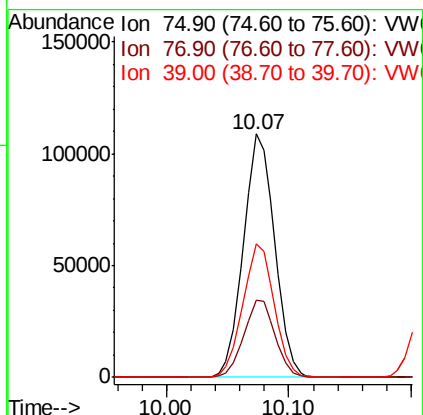
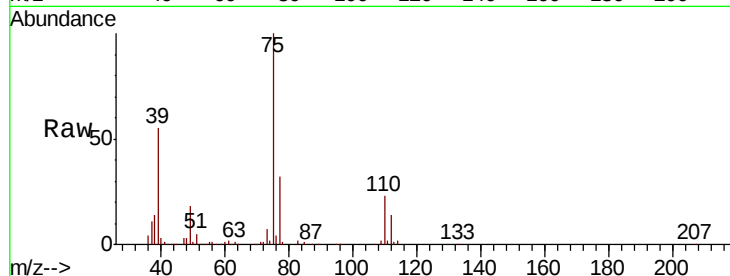
Tgt Ion: 75 Resp: 193053

Ion Ratio Lower Upper

75 100

77 31.6 24.3 36.5

39 54.5 43.7 65.5



#55

1,1,2-Trichloroethane

Concen: 75.107 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. -0.00 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

Tgt Ion: 97 Resp: 111215

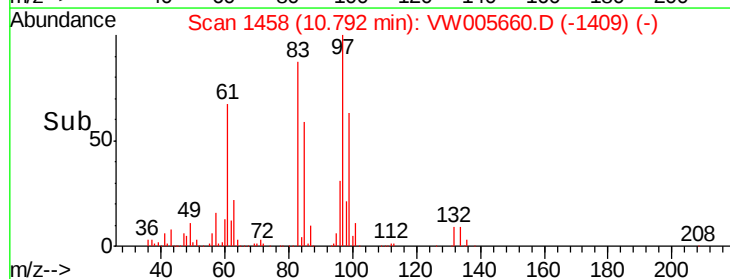
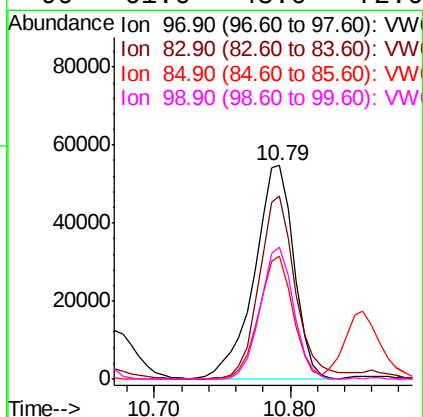
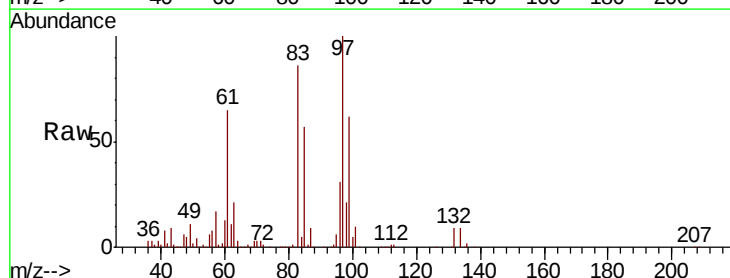
Ion Ratio Lower Upper

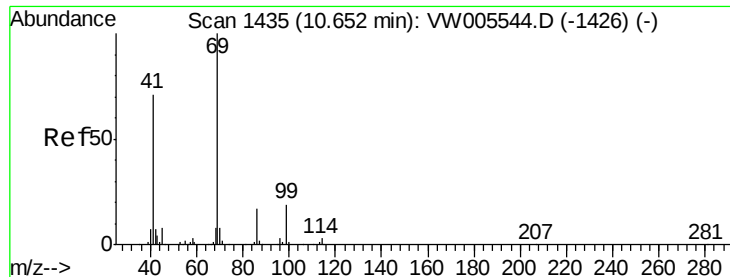
97 100

83 86.0 67.4 101.2

85 57.4 43.3 64.9

99 61.6 48.0 72.0





#56

Ethyl methacrylate

Concen: 77.648 ug/l

RT: 10.65 min Scan# 1435

Delta R.T. -0.00 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

Instrument :

MSVOA_W

ClientSampleId :

EP1-Q1-G3

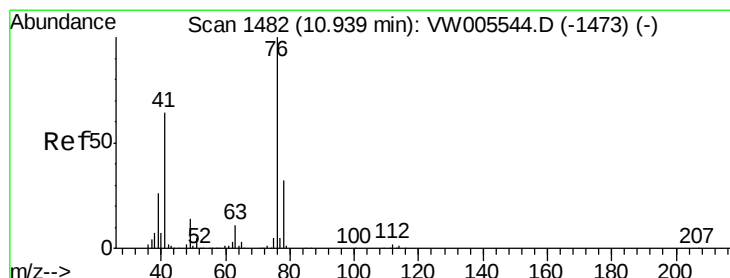
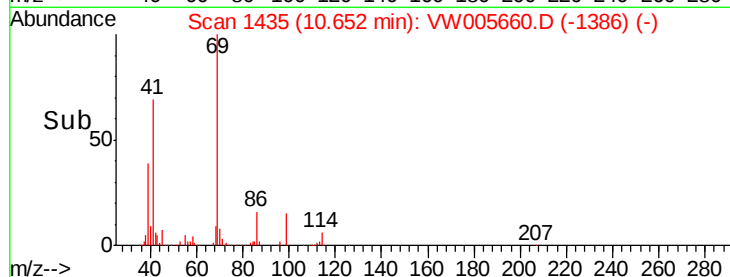
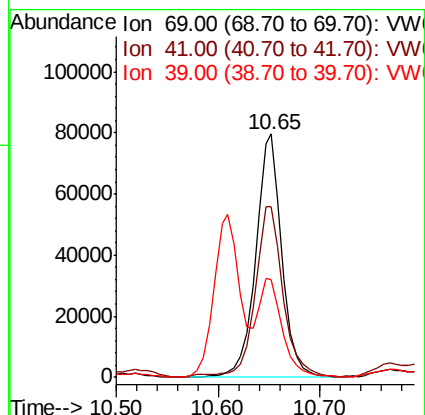
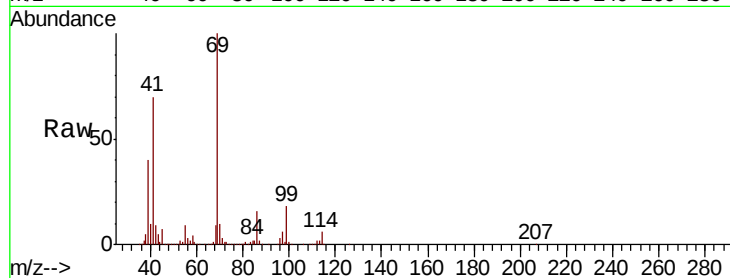
Tgt Ion: 69 Resp: 141935

Ion Ratio Lower Upper

69 100

41 74.9 57.3 85.9

39 35.7 29.2 43.8



#57

1,3-Dichloropropane

Concen: 63.598 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.01 min

Lab File: VW005660.D

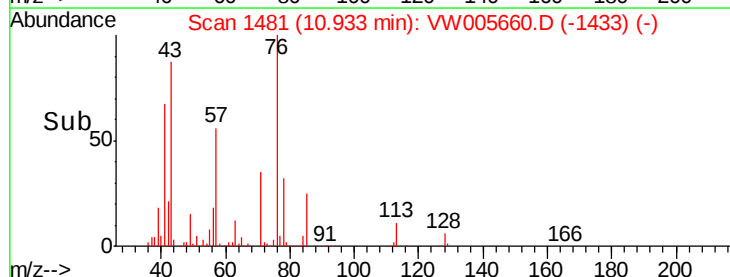
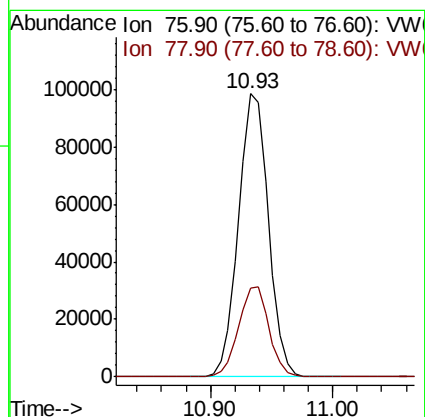
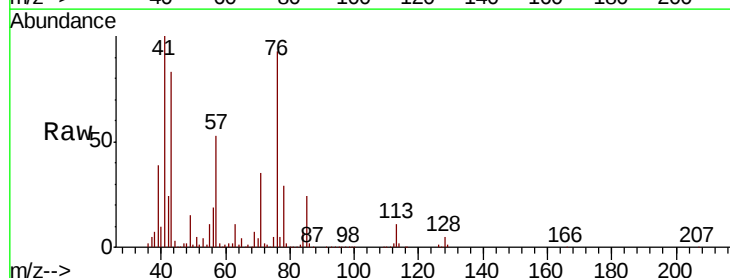
Acq: 26 Sep 2018 18:33

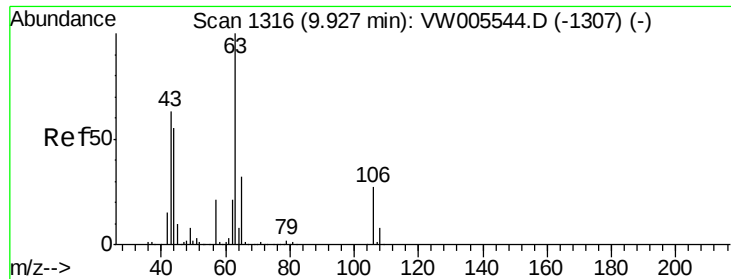
Tgt Ion: 76 Resp: 166905

Ion Ratio Lower Upper

76 100

78 32.3 25.6 38.4

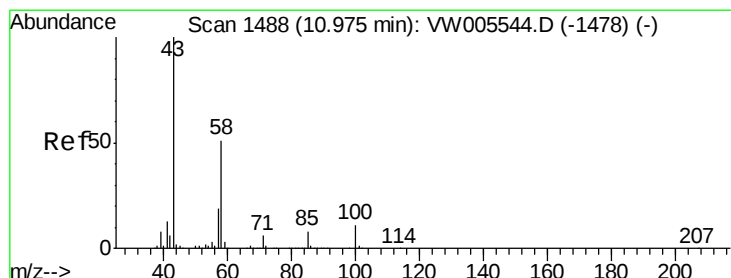
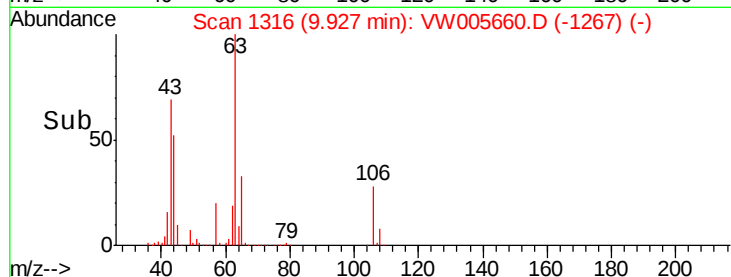
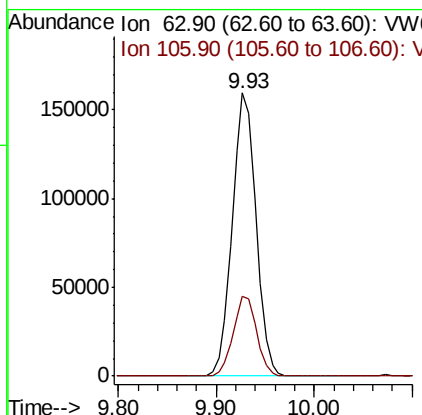
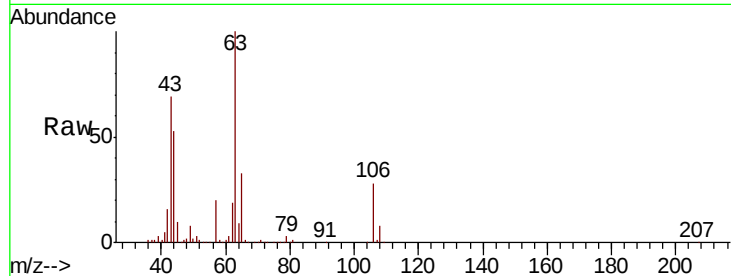




#58
 2-Chloroethyl Vinyl ether
 Concen: 323.580 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW005660.D
 Acq: 26 Sep 2018 18:33

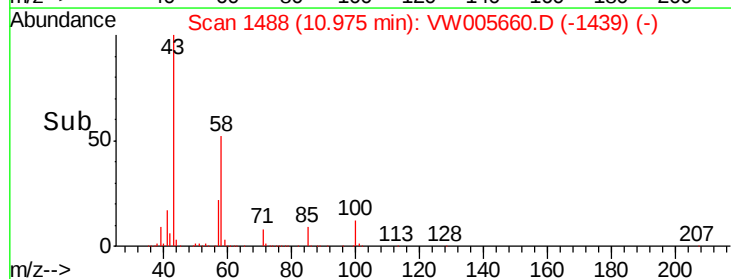
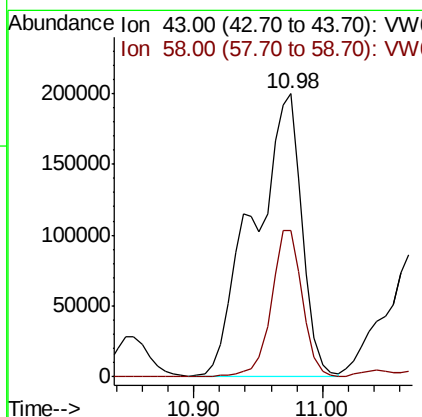
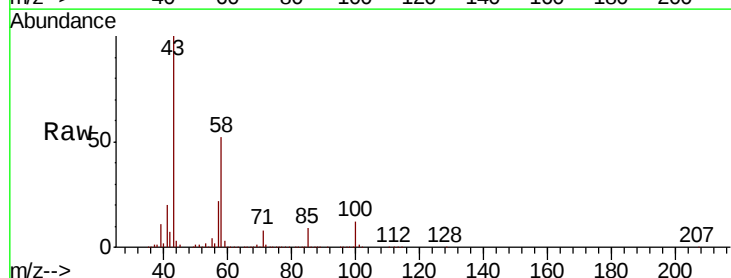
Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-Q1-G3

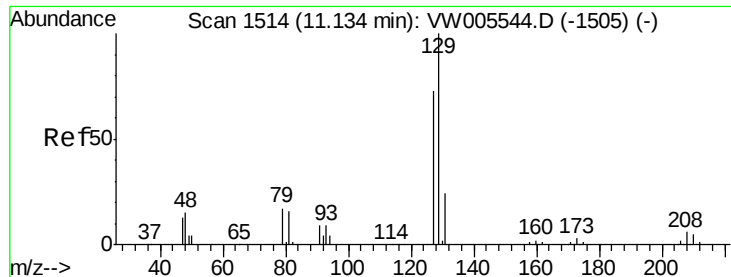
Tgt Ion: 63 Resp: 268123
 Ion Ratio Lower Upper
 63 100
 106 28.0 21.6 32.4



#59
 2-Hexanone
 Concen: 613.530 ug/l
 RT: 10.98 min Scan# 1488
 Delta R.T. -0.00 min
 Lab File: VW005660.D
 Acq: 26 Sep 2018 18:33

Tgt Ion: 43 Resp: 520210
 Ion Ratio Lower Upper
 43 100
 58 33.5 25.3 75.9





#60

Dibromochloromethane

Concen: 63.377 ug/l

RT: 11.13 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

Instrument :

MSVOA_W

ClientSampleId :

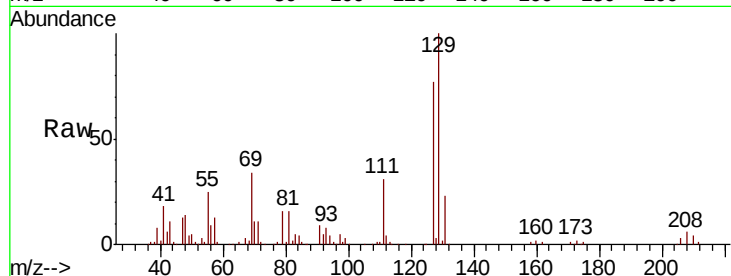
EP1-Q1-G3

Tgt Ion:129 Resp: 113390

Ion Ratio Lower Upper

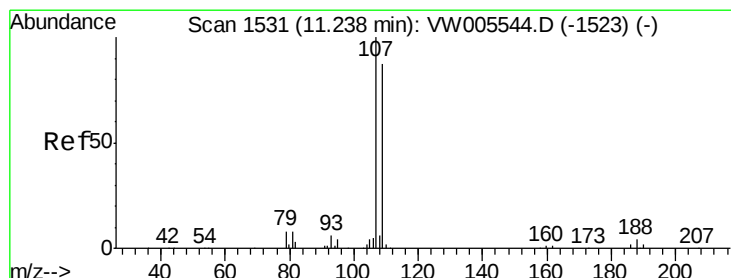
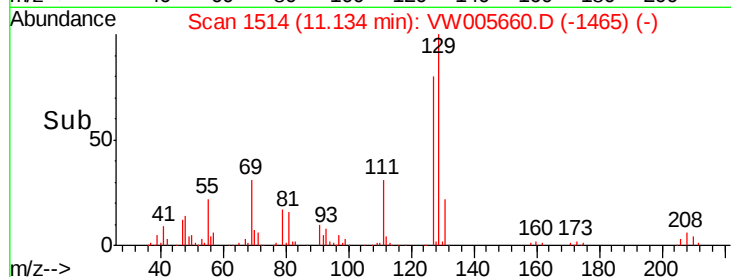
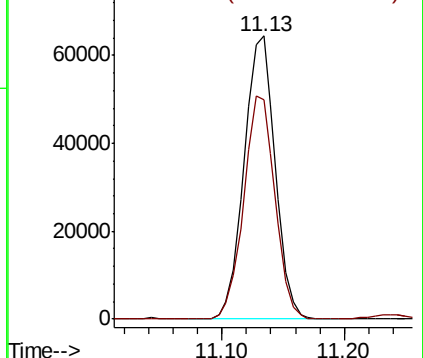
129 100

127 79.5 38.5 115.5



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 66.223 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW005660.D

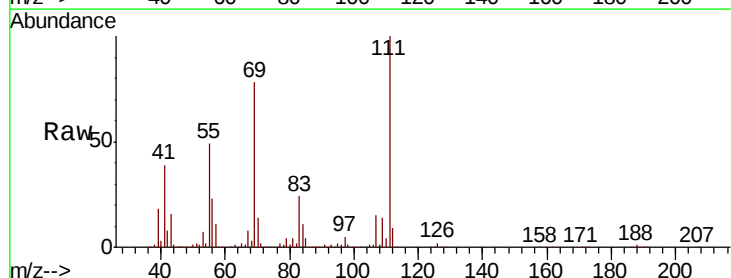
Acq: 26 Sep 2018 18:33

Tgt Ion:107 Resp: 91428

Ion Ratio Lower Upper

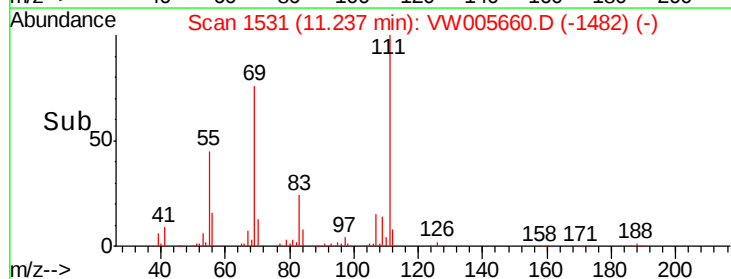
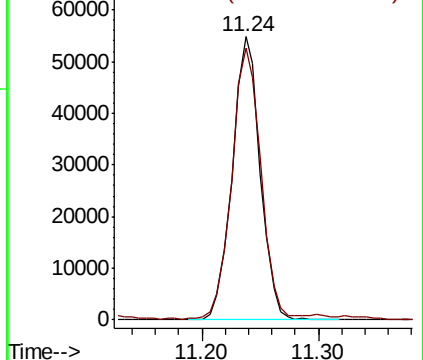
107 100

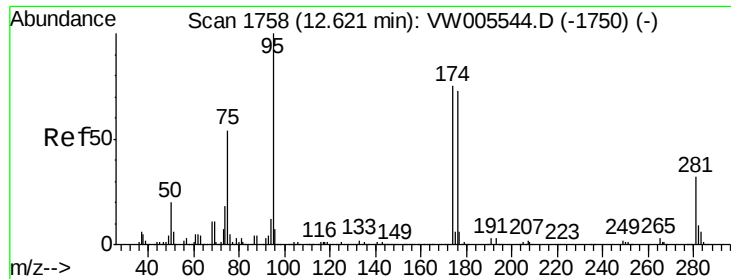
109 99.8 73.4 110.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 155.689 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

Instrument :

MSVOA_W

ClientSampleId :

EP1-Q1-G3

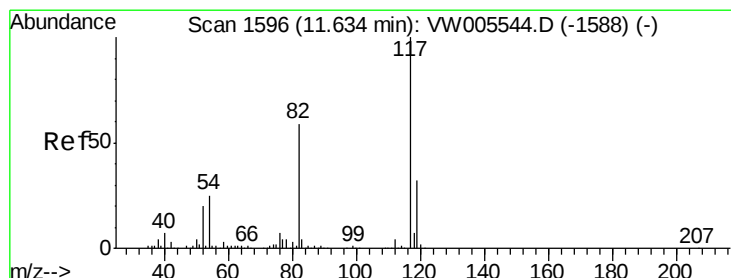
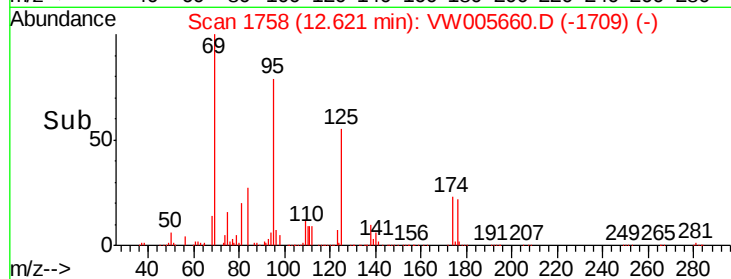
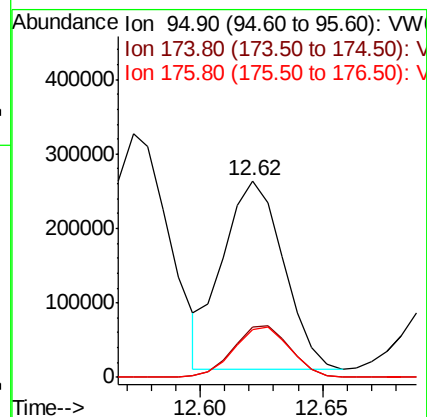
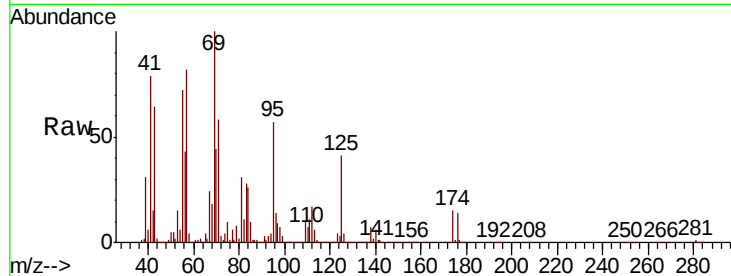
Tgt Ion: 95 Resp: 438900

Ion Ratio Lower Upper

95 100

174 25.8 0.0 163.8

176 24.9 0.0 158.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

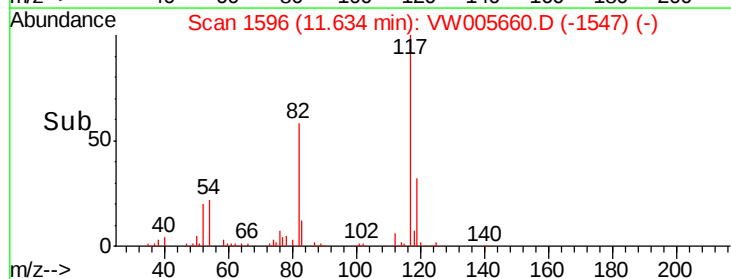
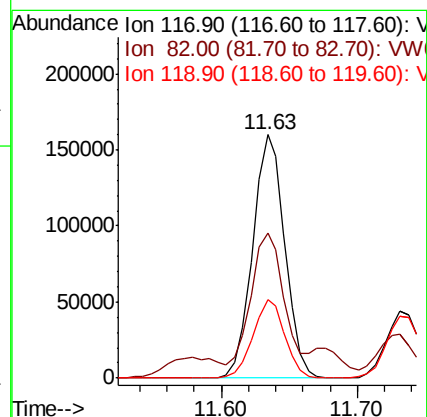
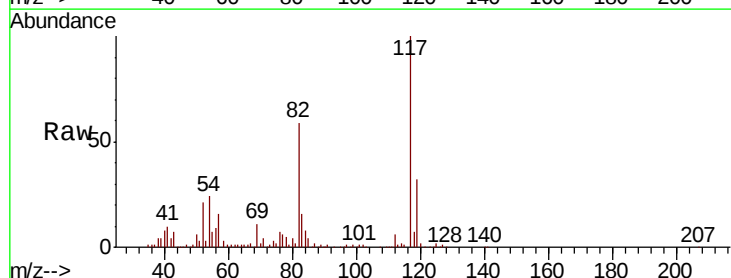
Tgt Ion: 117 Resp: 264538

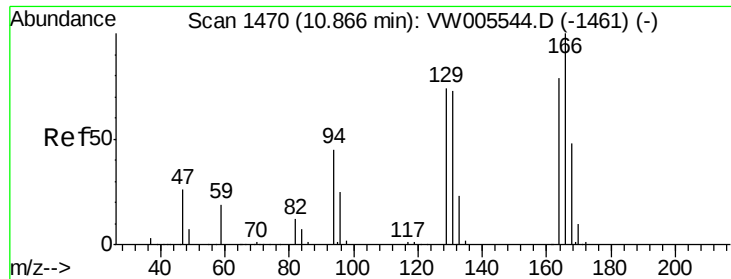
Ion Ratio Lower Upper

117 100

82 52.3 46.9 70.3

119 32.4 25.7 38.5

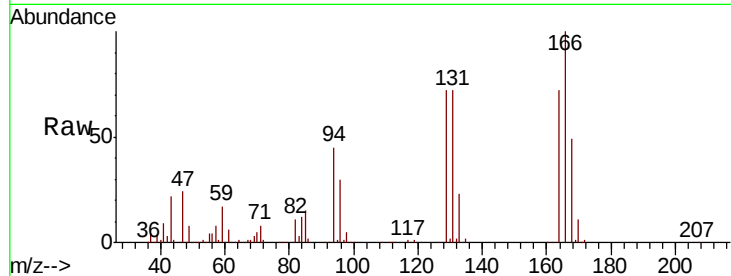




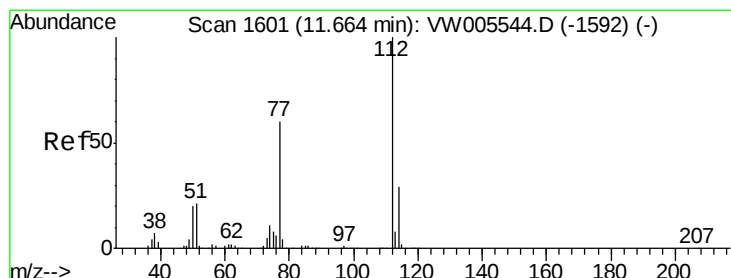
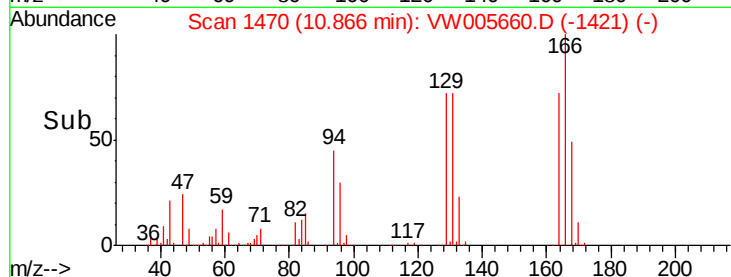
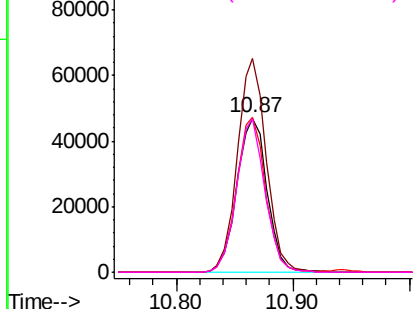
#64
Tetrachloroethene
Concen: 45.308 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW005660.D
Acq: 26 Sep 2018 18:33

Instrument :
MSVOA_W
ClientSampleId :
EP1-Q1-G3

Tgt Ion:164 Resp: 85067
Ion Ratio Lower Upper
164 100
166 139.0 101.1 151.7
129 100.4 74.4 111.6
131 99.7 73.8 110.6

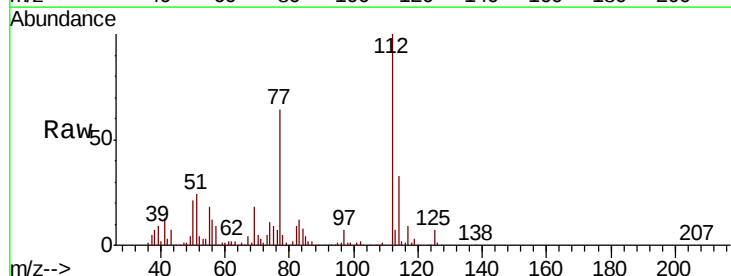


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

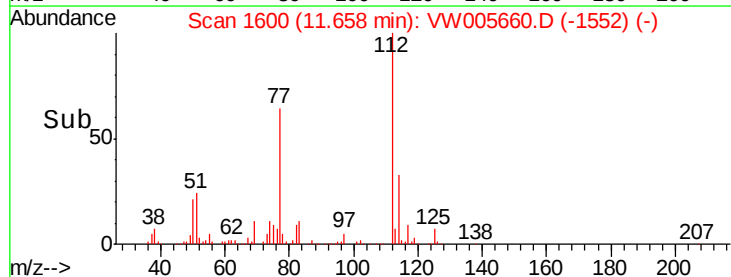
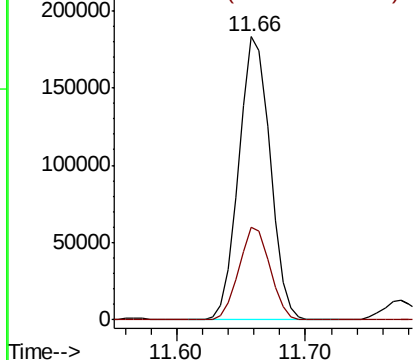


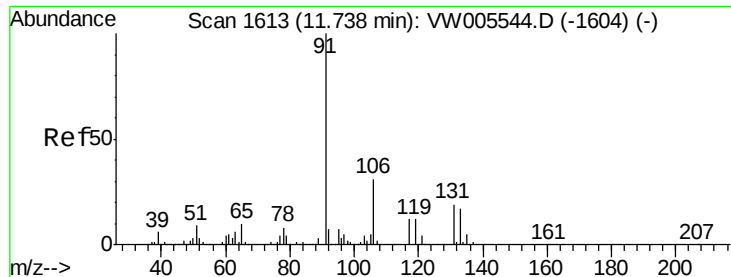
#65
Chlorobenzene
Concen: 54.889 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VW005660.D
Acq: 26 Sep 2018 18:33

Tgt Ion:112 Resp: 308247
Ion Ratio Lower Upper
112 100
114 32.9 22.9 34.3



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 58.034 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.01 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

Instrument :

MSVOA_W

ClientSampleId :

EP1-Q1-G3

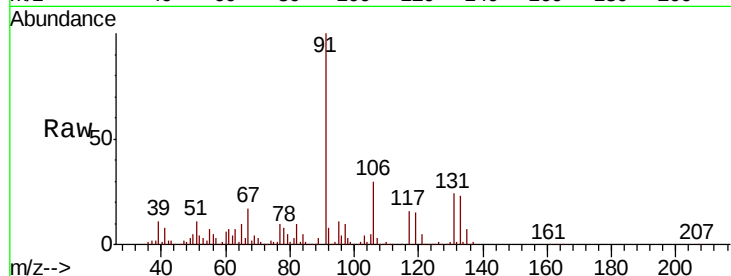
Tgt Ion: 131 Resp: 117297

Ion Ratio Lower Upper

131 100

133 95.6 47.2 141.6

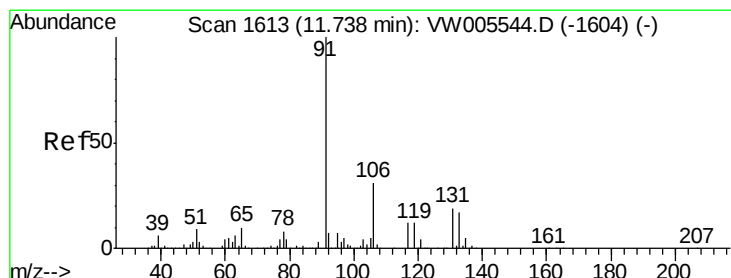
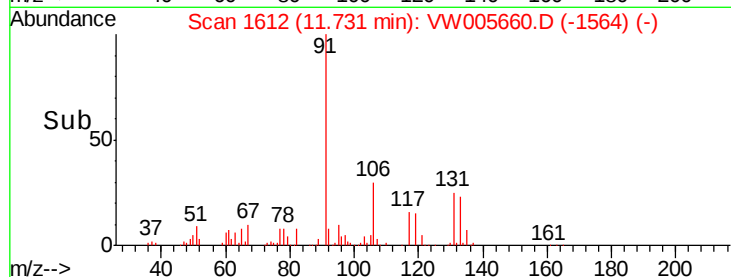
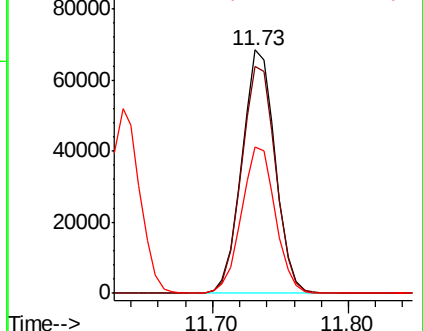
119 60.8 31.1 93.2



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 47.401 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW005660.D

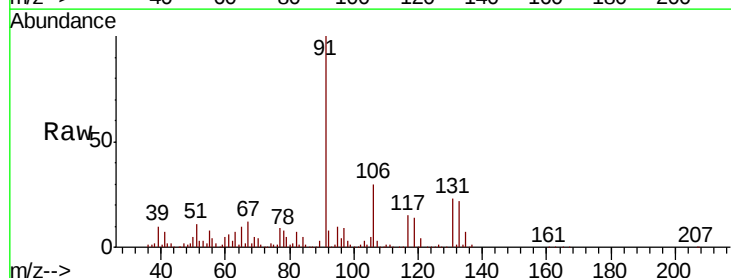
Acq: 26 Sep 2018 18:33

Tgt Ion: 91 Resp: 472495

Ion Ratio Lower Upper

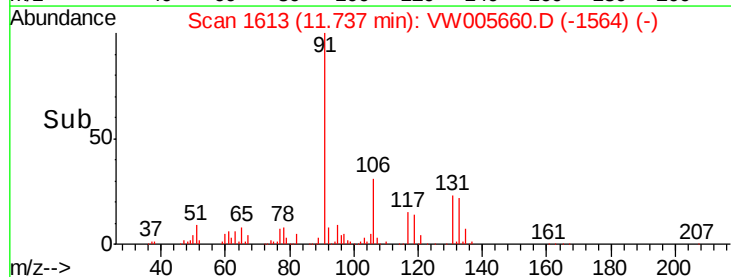
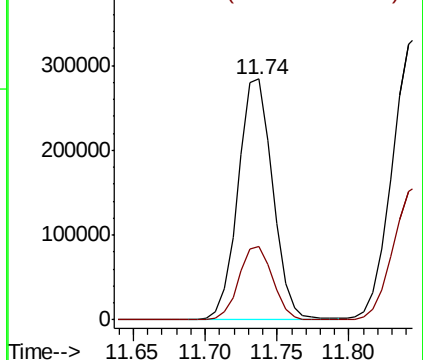
91 100

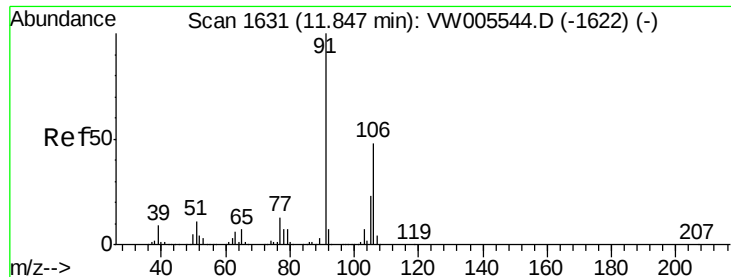
106 30.3 24.4 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

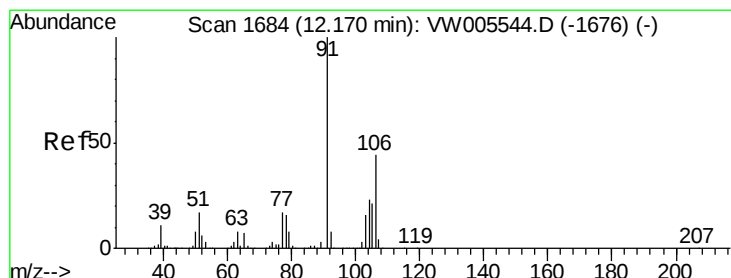
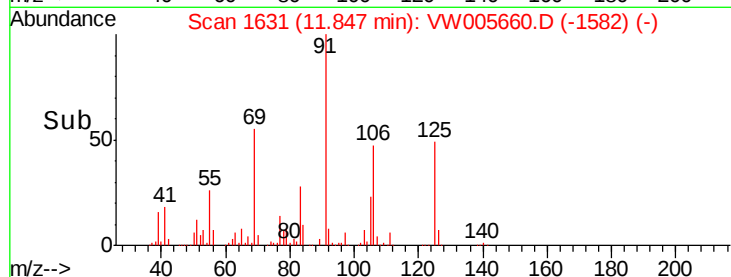
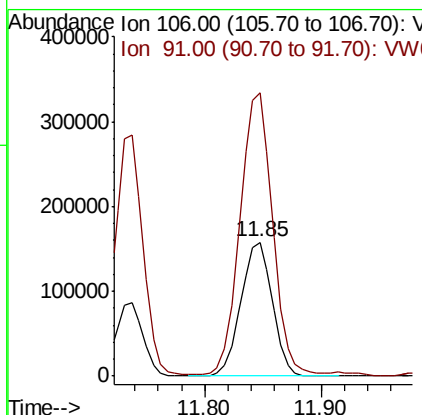
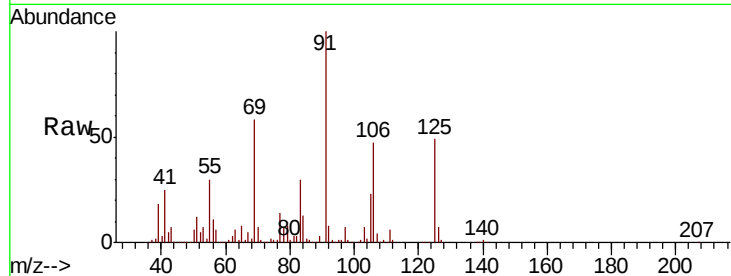




#68
m/p-Xylenes
Concen: 78.975 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VW005660.D
Acq: 26 Sep 2018 18:33

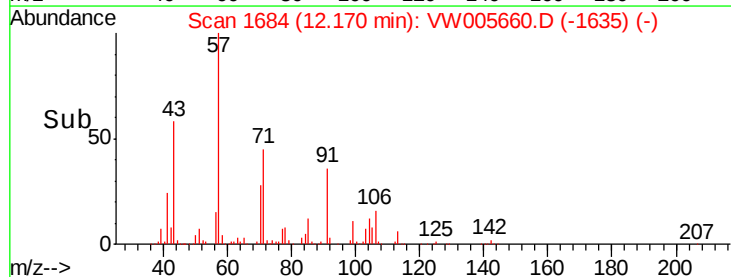
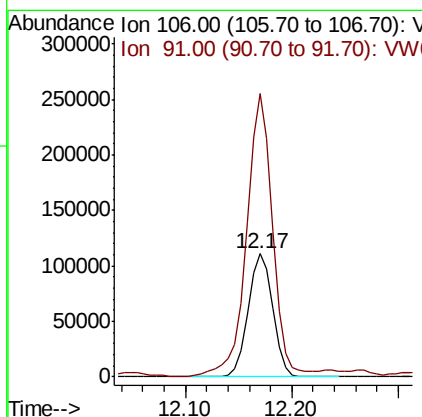
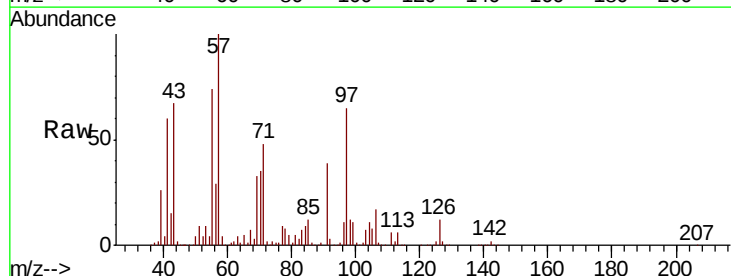
Instrument :
MSVOA_W
ClientSampleId :
EP1-Q1-G3

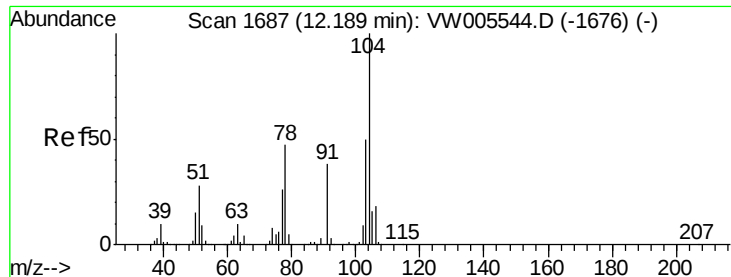
Tgt Ion:106 Resp: 297419
Ion Ratio Lower Upper
106 100
91 217.6 167.8 251.8



#69
o-Xylene
Concen: 50.779 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW005660.D
Acq: 26 Sep 2018 18:33

Tgt Ion:106 Resp: 179096
Ion Ratio Lower Upper
106 100
91 242.5 111.0 333.0

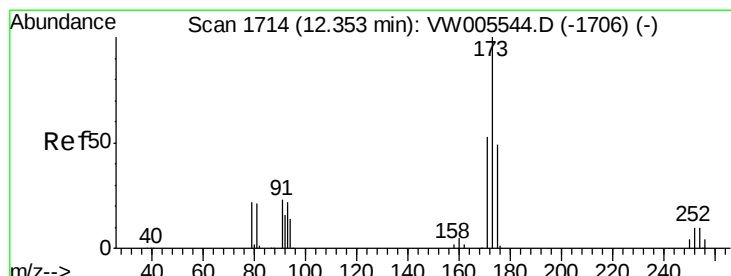
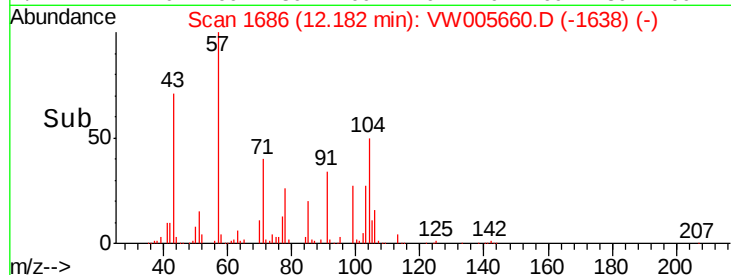
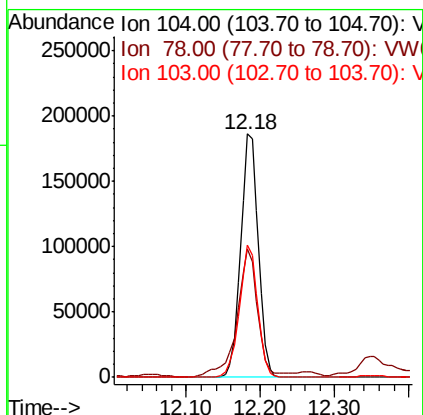
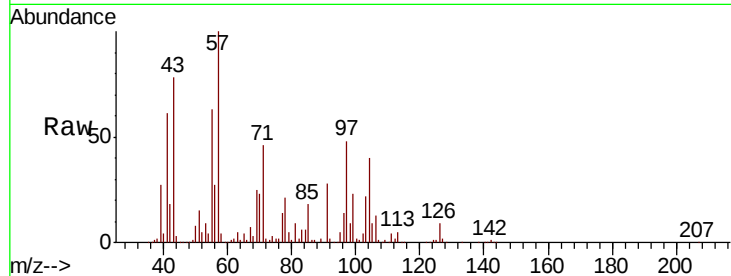




#70
Styrene
Concen: 52.175 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW005660.D
Acq: 26 Sep 2018 18:33

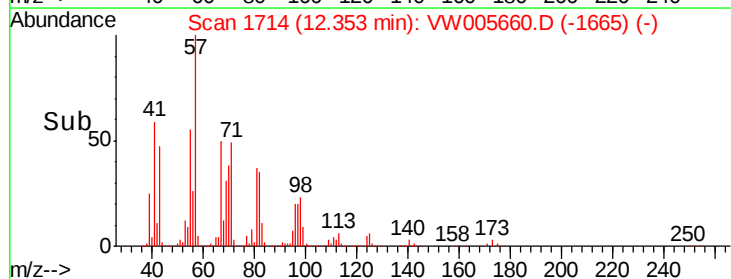
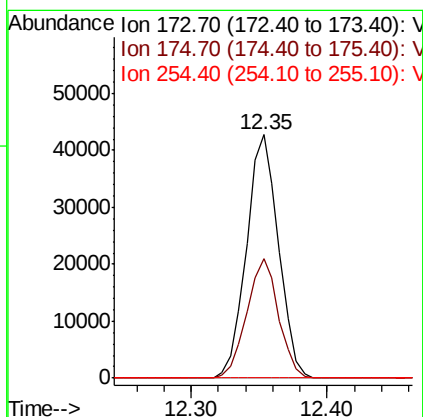
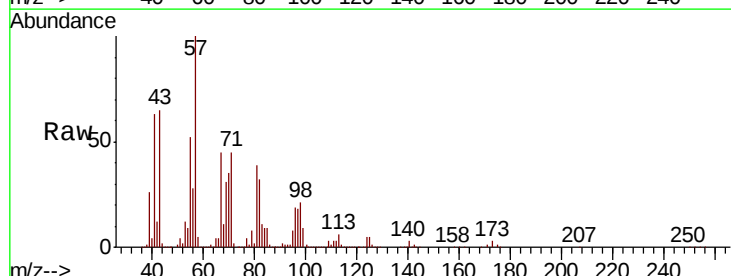
Instrument :
MSVOA_W
ClientSampleId :
EP1-Q1-G3

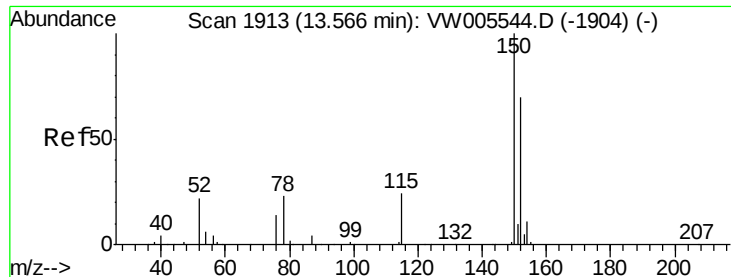
Tgt Ion:104 Resp: 309690
Ion Ratio Lower Upper
104 100
78 60.7 42.2 63.4
103 56.6 44.6 66.8



#71
Bromoform
Concen: 65.700 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VW005660.D
Acq: 26 Sep 2018 18:33

Tgt Ion:173 Resp: 70487
Ion Ratio Lower Upper
173 100
175 48.9 24.3 72.9
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

Instrument :

MSVOA_W

ClientSampleId :

EP1-Q1-G3

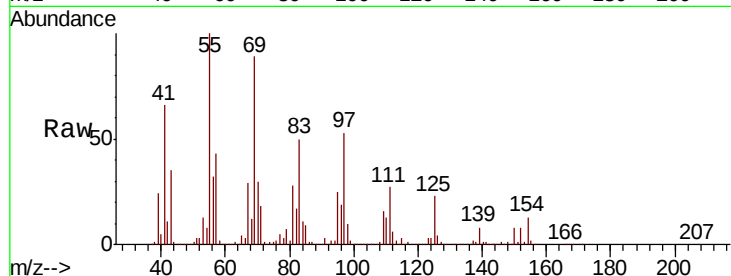
Tgt Ion:152 Resp: 313972

Ion Ratio Lower Upper

152 100

115 21.0 30.0 90.0#

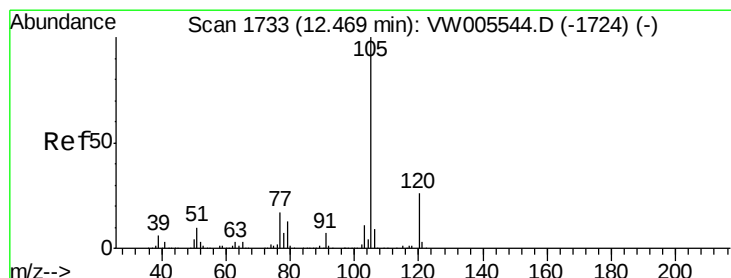
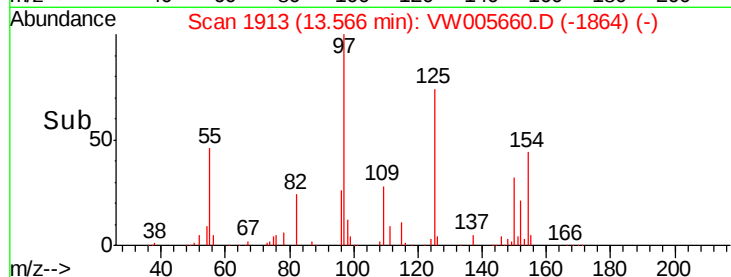
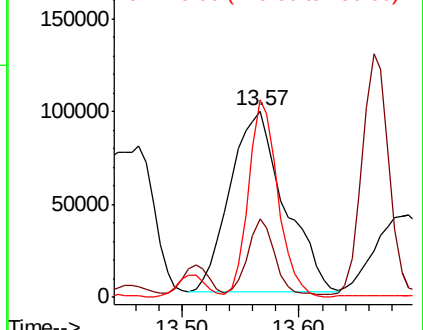
150 59.5 0.0 348.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 14.993 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW005660.D

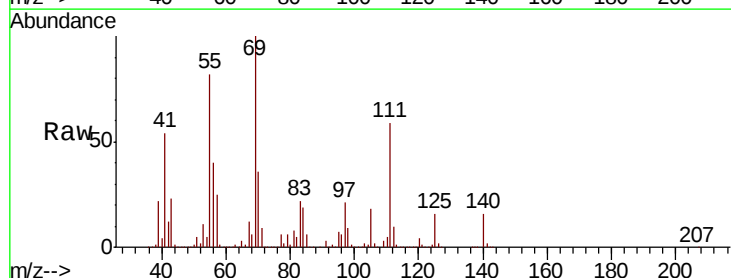
Acq: 26 Sep 2018 18:33

Tgt Ion:105 Resp: 326449

Ion Ratio Lower Upper

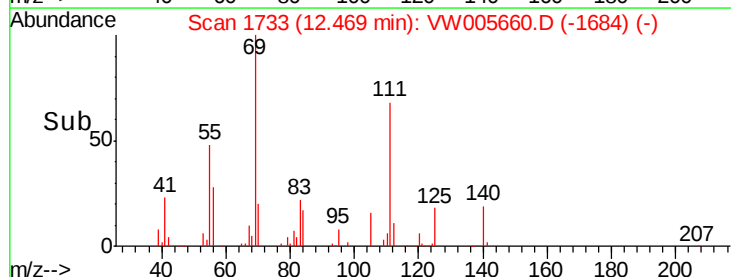
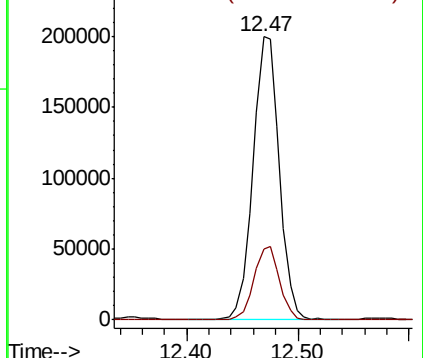
105 100

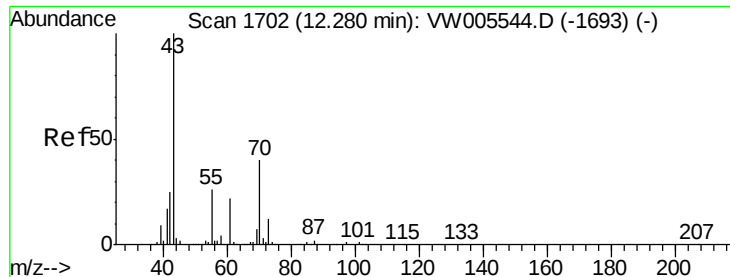
120 25.3 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 1015.467 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

Instrument :

MSVOA_W

ClientSampleId :

EP1-Q1-G3

Tgt Ion: 43 Resp: 5006541

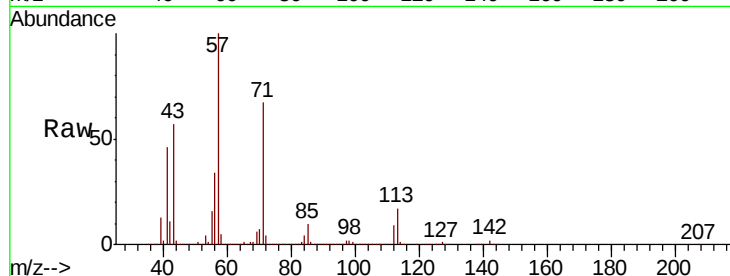
Ion Ratio Lower Upper

43 100

70 15.5 31.4 47.0#

55 24.1 20.9 31.3

61 0.3 17.8 26.6#

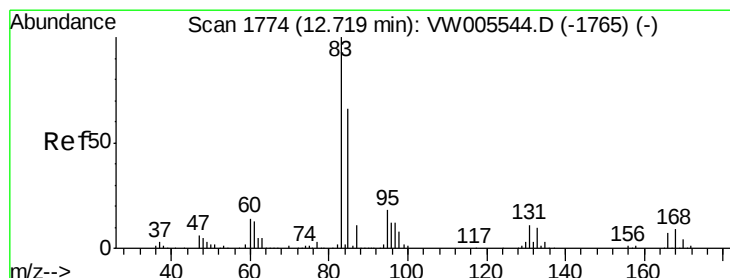
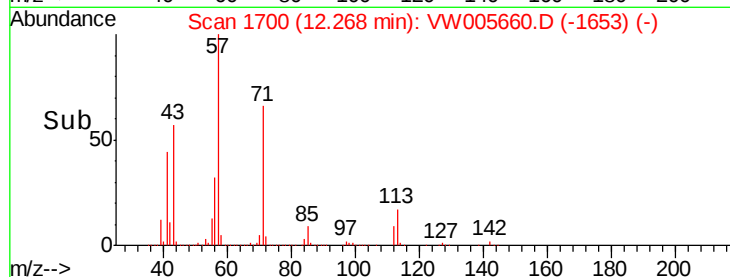
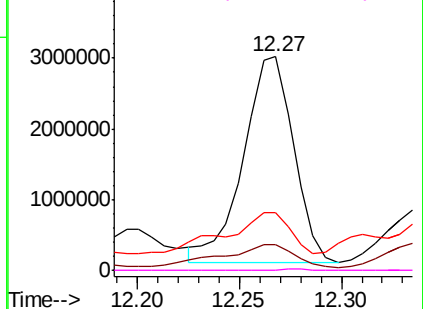


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 175.629 ug/l

RT: 12.71 min Scan# 1772

Delta R.T. -0.01 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

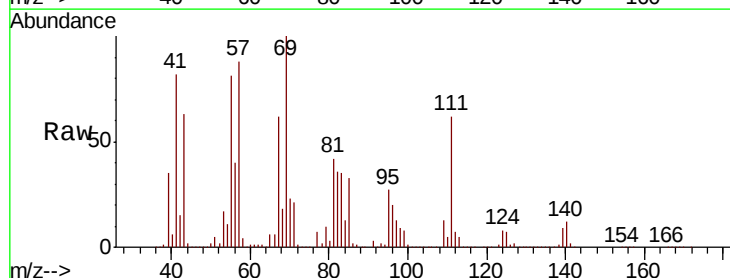
Tgt Ion: 83 Resp: 635177

Ion Ratio Lower Upper

83 100

131 1.9 5.5 16.7#

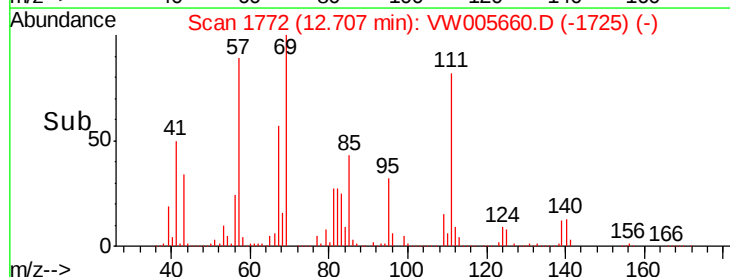
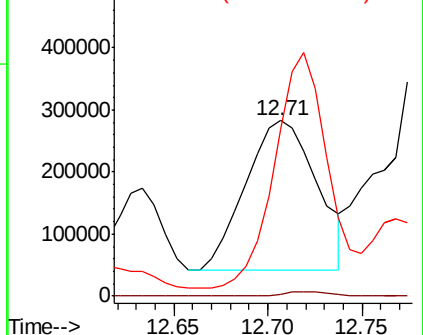
85 116.9 32.4 97.0#

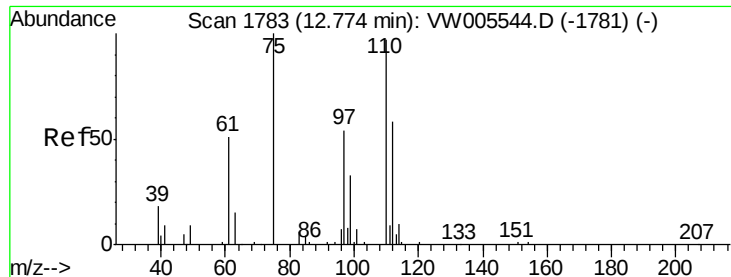


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 62.026 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

Instrument :

MSVOA_W

ClientSampleId :

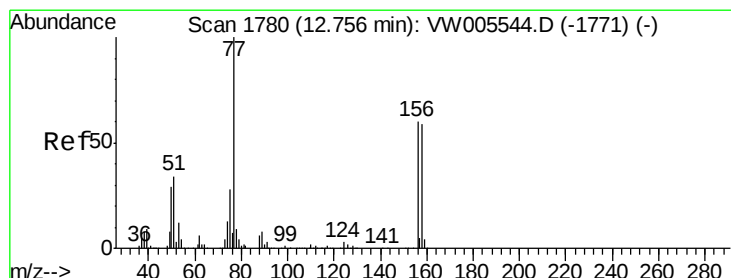
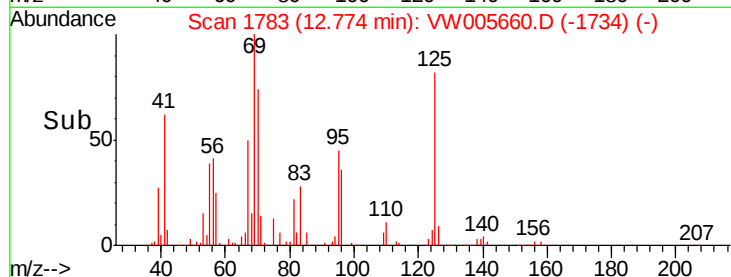
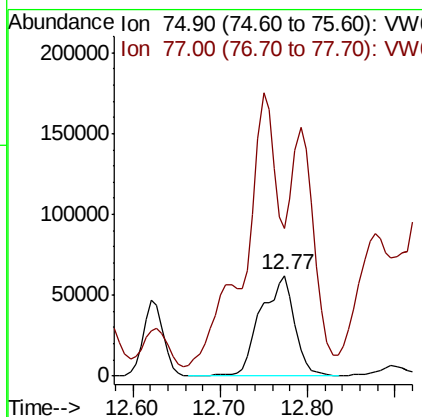
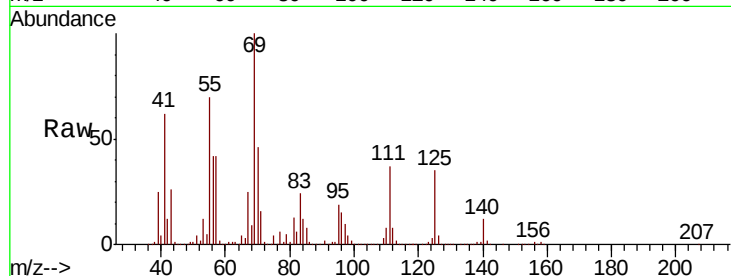
EP1-Q1-G3

Tgt Ion: 75 Resp: 166005

Ion Ratio Lower Upper

75 100

77 149.5 0.0 0.0#



#77

Bromobenzene

Concen: 25.888 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.01 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

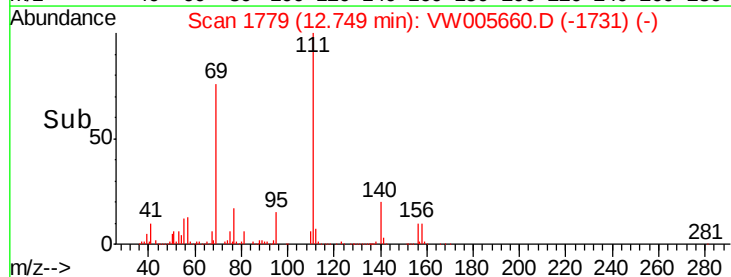
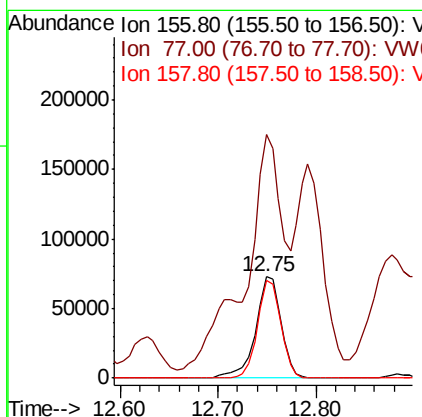
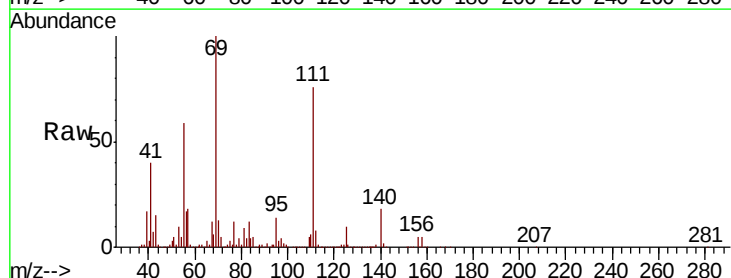
Tgt Ion: 156 Resp: 132113

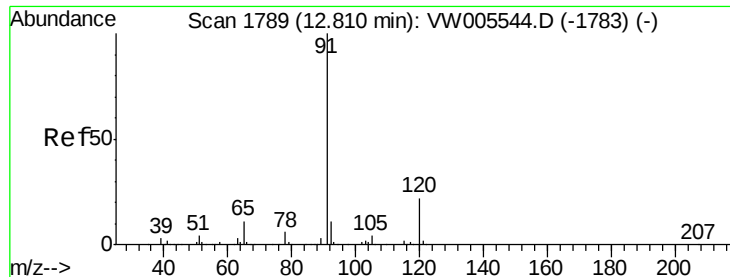
Ion Ratio Lower Upper

156 100

77 347.5 94.7 284.1#

158 87.9 48.0 144.2





#78

n-propylbenzene

Concen: 15.511 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

Instrument :

MSVOA_W

ClientSampleId :

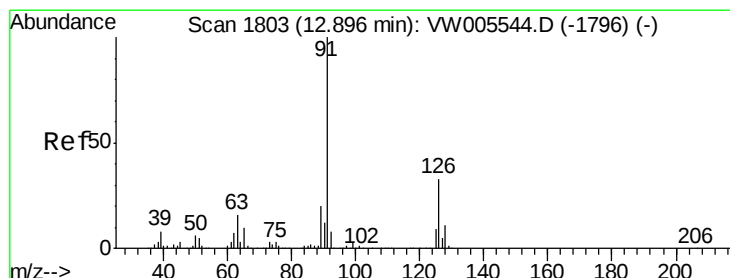
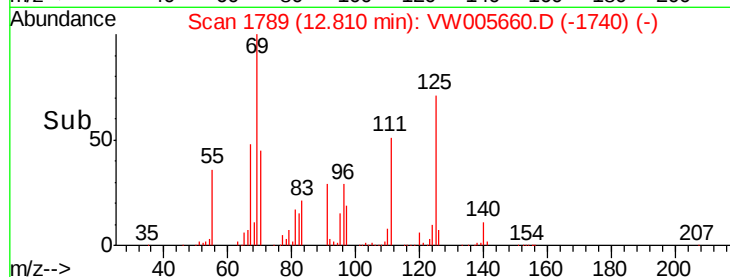
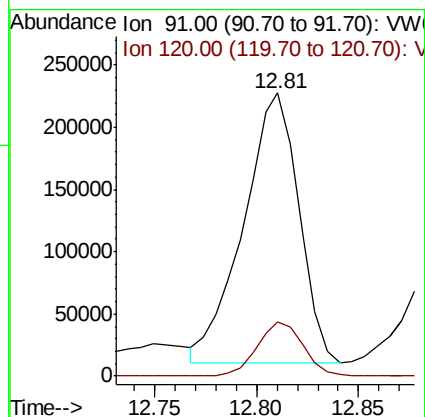
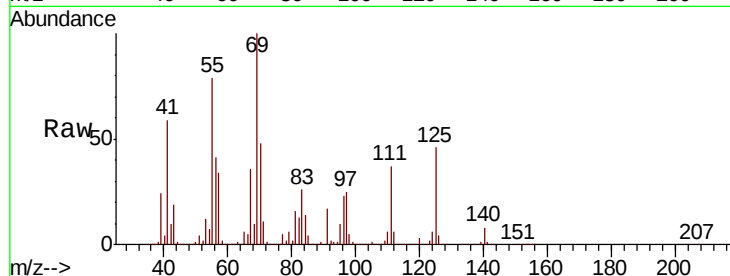
EP1-Q1-G3

Tgt Ion: 91 Resp: 408886

Ion Ratio Lower Upper

91 100

120 16.6 11.2 33.5



#79

2-Chlorotoluene

Concen: 27.435 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW005660.D

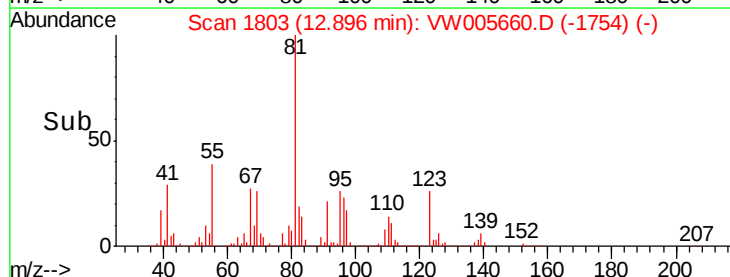
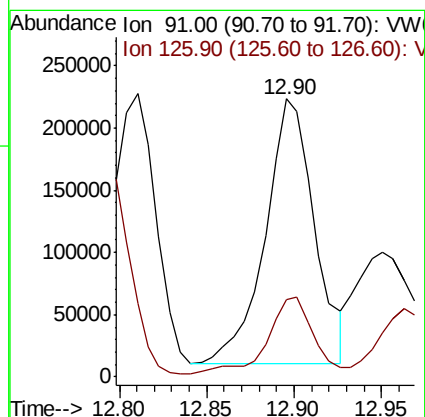
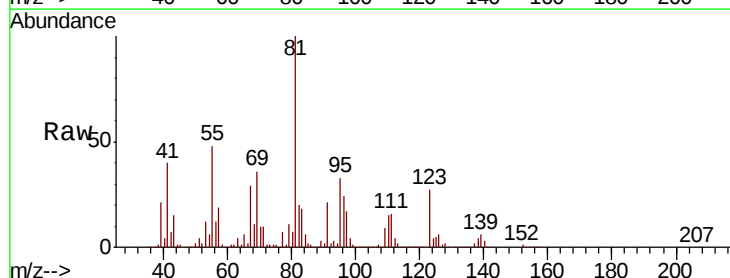
Acq: 26 Sep 2018 18:33

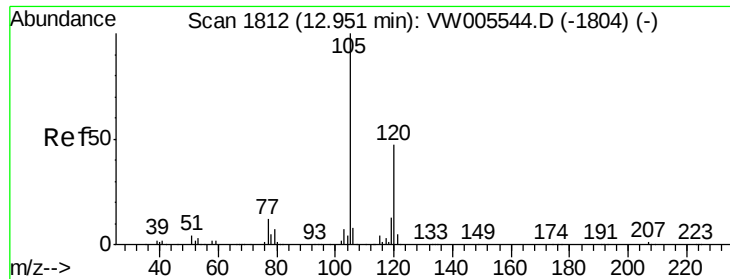
Tgt Ion: 91 Resp: 418411

Ion Ratio Lower Upper

91 100

126 27.1 16.4 49.1

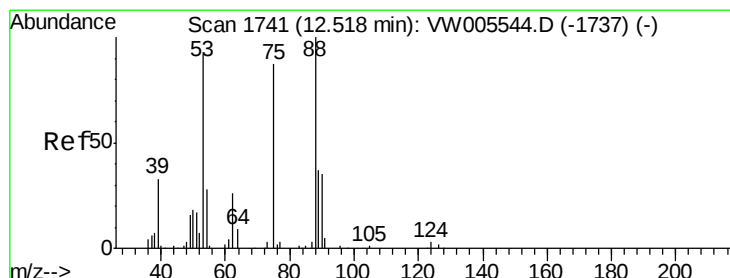
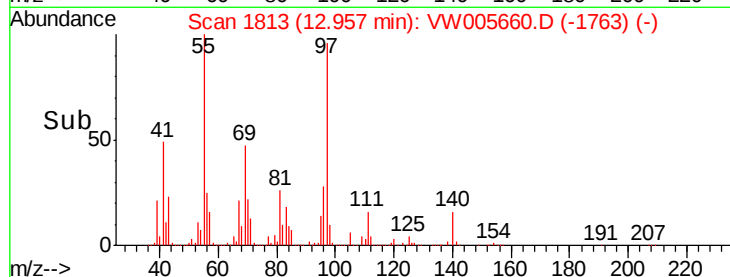
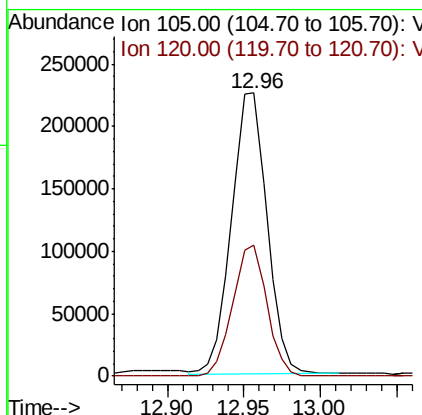
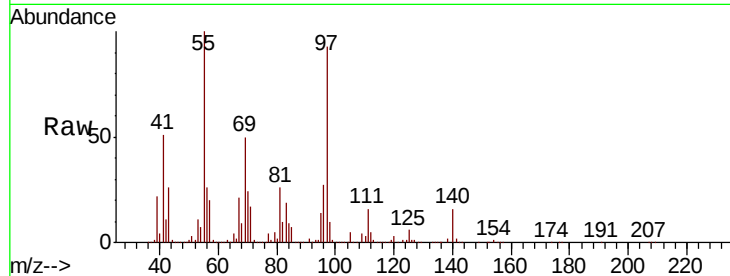




#80
 1,3,5-Trimethylbenzene
 Concen: 19.201 ug/l
 RT: 12.96 min Scan# 1813
 Delta R.T. 0.01 min
 Lab File: VW005660.D
 Acq: 26 Sep 2018 18:33

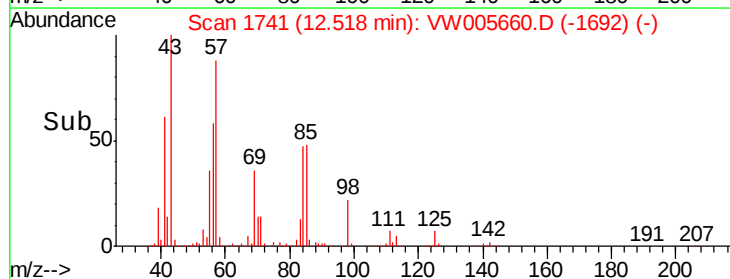
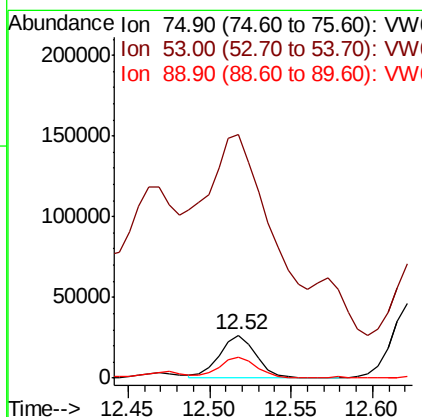
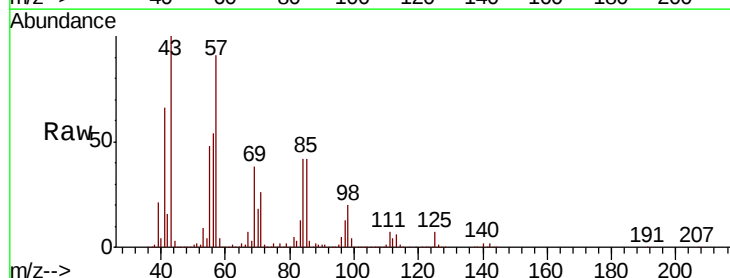
Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-Q1-G3

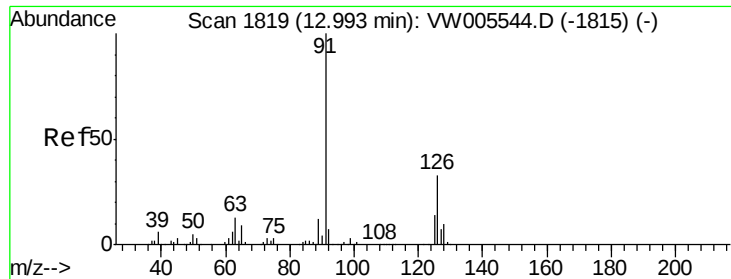
Tgt Ion: 105 Resp: 363528
 Ion Ratio Lower Upper
 105 100
 120 44.5 23.6 70.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 33.360 ug/l
 RT: 12.52 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VW005660.D
 Acq: 26 Sep 2018 18:33

Tgt Ion: 75 Resp: 39641
 Ion Ratio Lower Upper
 75 100
 53 499.5 85.8 128.6#
 89 48.0 37.3 55.9





#82

4-Chlorotoluene

Concen: 23.022 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

Instrument :

MSVOA_W

ClientSampleId :

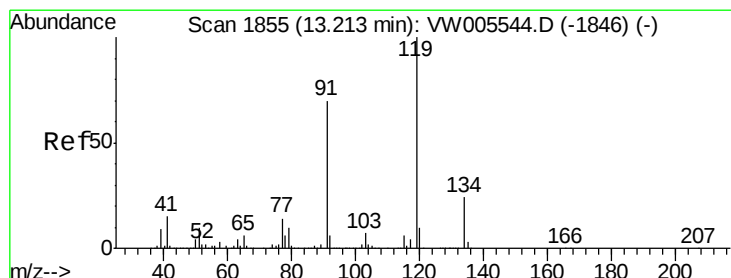
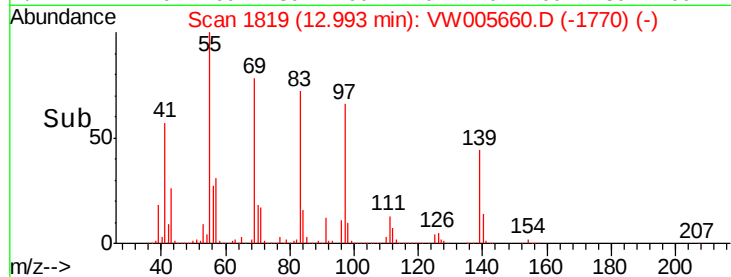
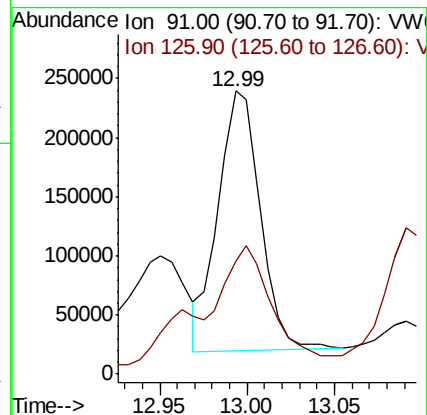
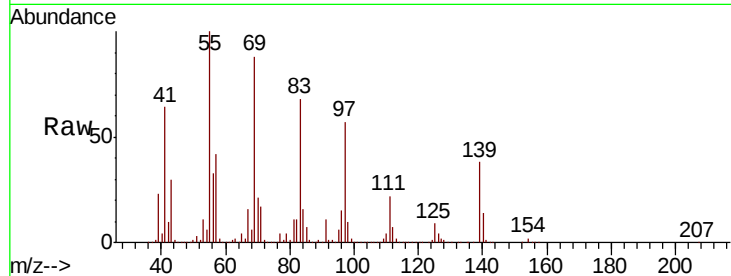
EP1-Q1-G3

Tgt Ion: 91 Resp: 370967

Ion Ratio Lower Upper

91 100

126 45.6 16.4 49.4



#83

tert-Butylbenzene

Concen: 56.212 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

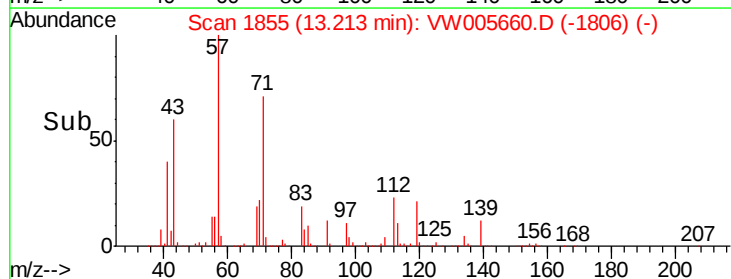
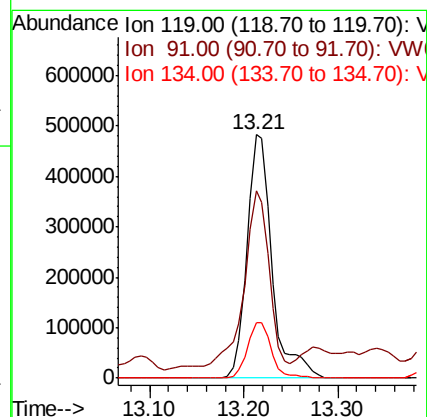
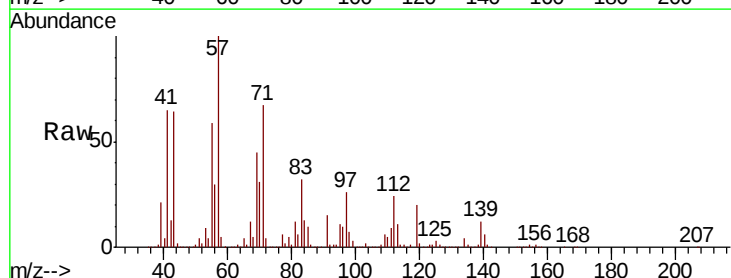
Tgt Ion: 119 Resp: 894093

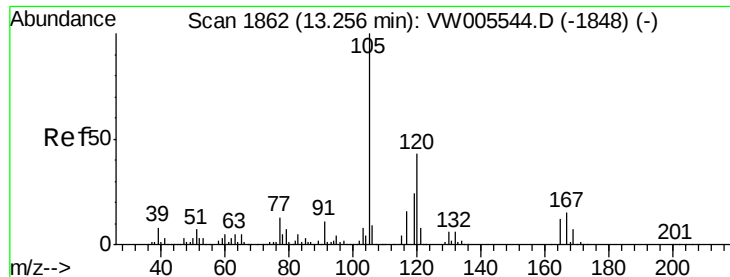
Ion Ratio Lower Upper

119 100

91 70.6 34.6 103.8

134 21.9 12.6 37.6

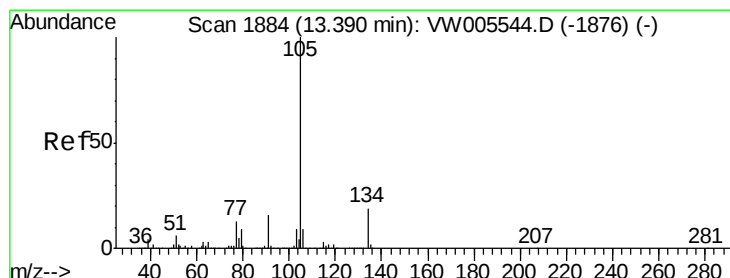
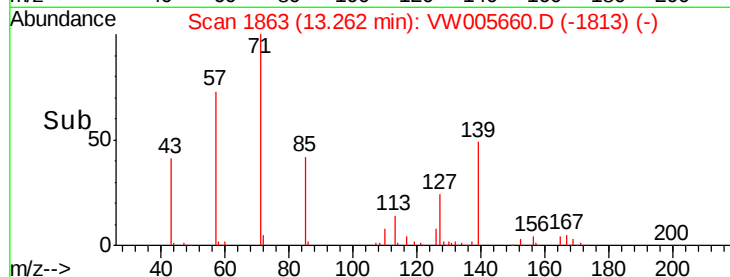
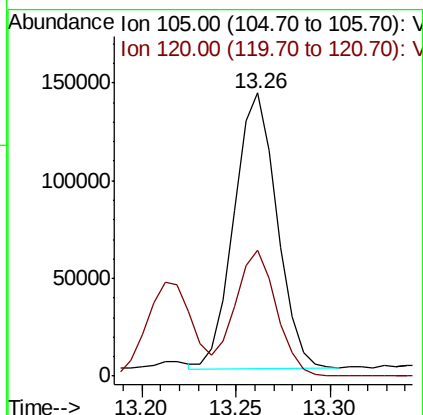
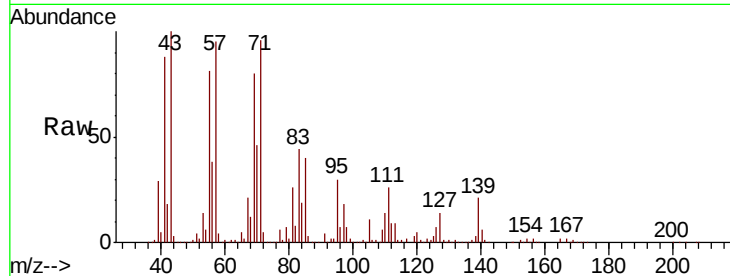




#84
1,2,4-Trimethylbenzene
Concen: 11.596 ug/l
RT: 13.26 min Scan# 1863
Delta R.T. 0.01 min
Lab File: VW005660.D
Acq: 26 Sep 2018 18:33

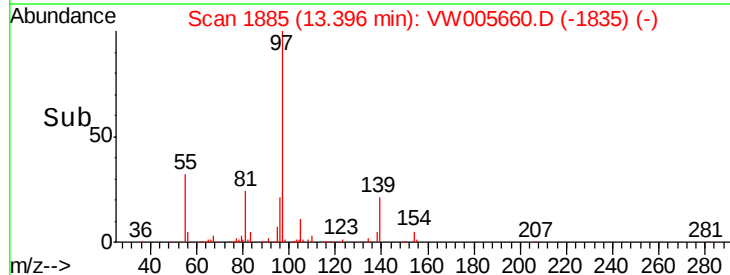
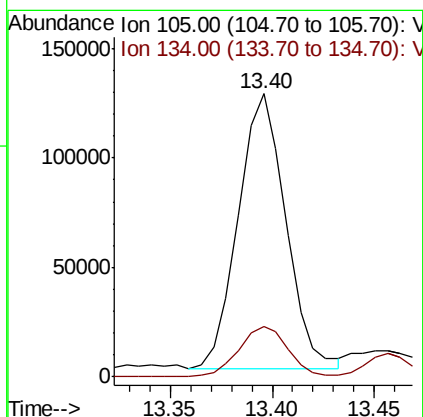
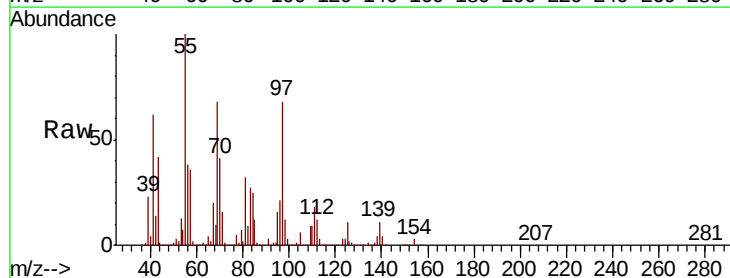
Instrument :
MSVOA_W
ClientSampleId :
EP1-Q1-G3

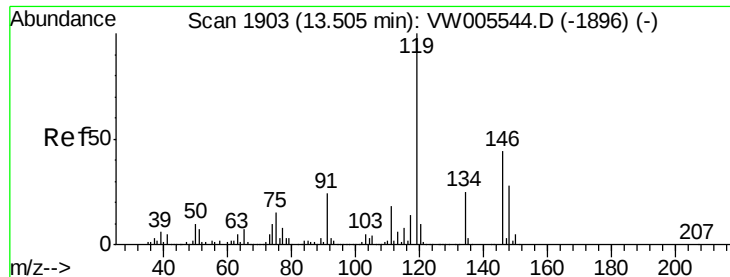
Tgt Ion:105 Resp: 221558
Ion Ratio Lower Upper
105 100
120 44.4 21.5 64.5



#85
sec-Butylbenzene
Concen: 8.825 ug/l
RT: 13.40 min Scan# 1885
Delta R.T. 0.01 min
Lab File: VW005660.D
Acq: 26 Sep 2018 18:33

Tgt Ion:105 Resp: 203590
Ion Ratio Lower Upper
105 100
134 18.8 9.8 29.5

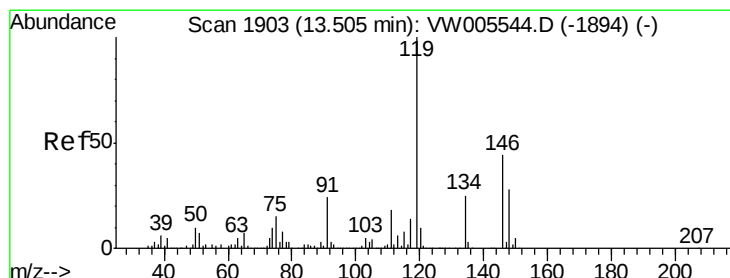
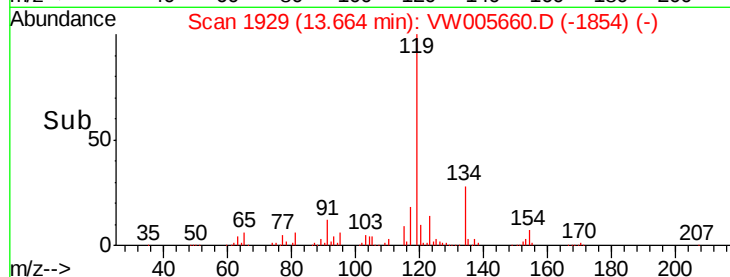
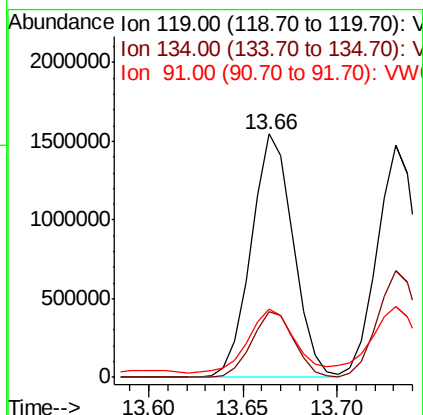
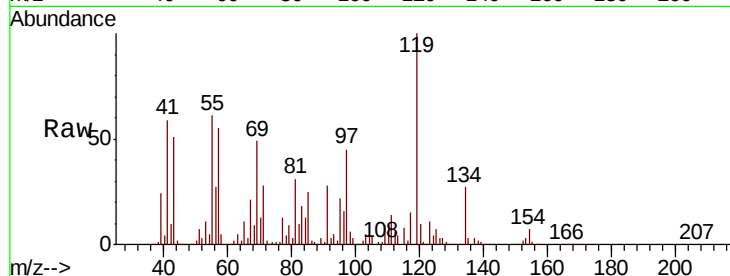




#86
 p-Isopropyltoluene
 Concen: 115.579 ug/l
 RT: 13.66 min Scan# 1929
 Delta R.T. 0.16 min
 Lab File: VW005660.D
 Acq: 26 Sep 2018 18:33

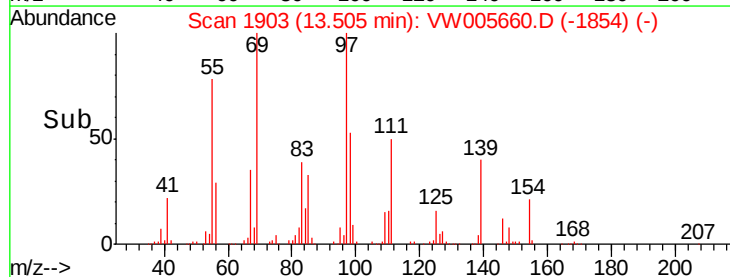
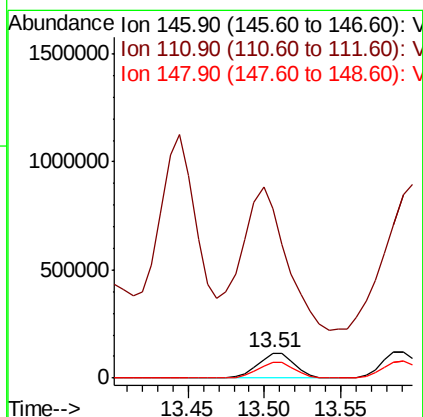
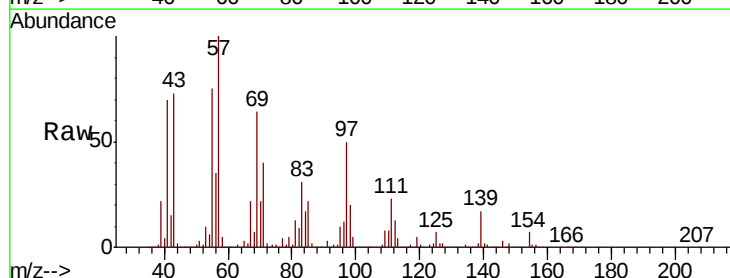
Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-Q1-G3

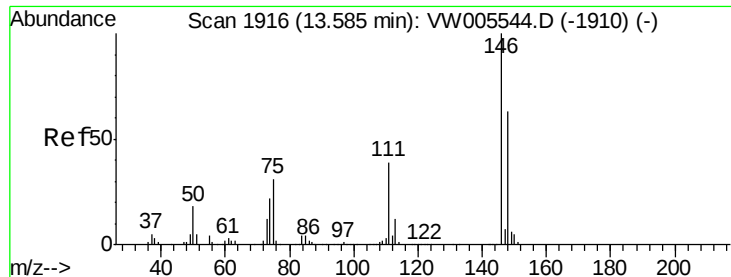
Tgt Ion:119 Resp: 2389810
 Ion Ratio Lower Upper
 119 100
 134 27.1 12.7 38.1
 91 28.5 12.2 36.4



#87
 1,3-Dichlorobenzene
 Concen: 18.154 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005660.D
 Acq: 26 Sep 2018 18:33

Tgt Ion:146 Resp: 189437
 Ion Ratio Lower Upper
 146 100
 111 701.7 20.3 60.9#
 148 64.6 31.8 95.4





#88

1,4-Dichlorobenzene

Concen: 19.183 ug/l

RT: 13.59 min Scan# 1917

Delta R.T. 0.01 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

Instrument :

MSVOA_W

ClientSampleId :

EP1-Q1-G3

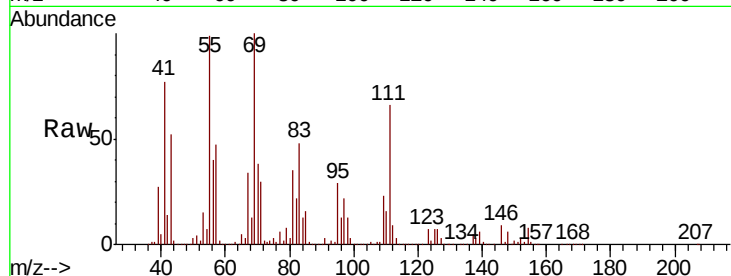
Tgt Ion:146 Resp: 199080

Ion Ratio Lower Upper

146 100

111 631.7 19.9 59.7#

148 64.0 32.1 96.3

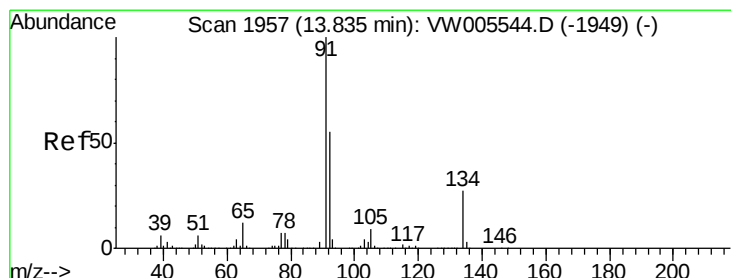
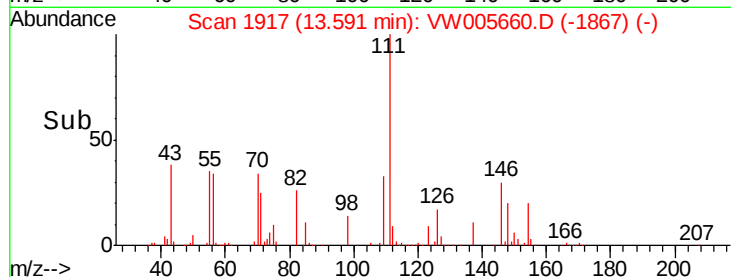
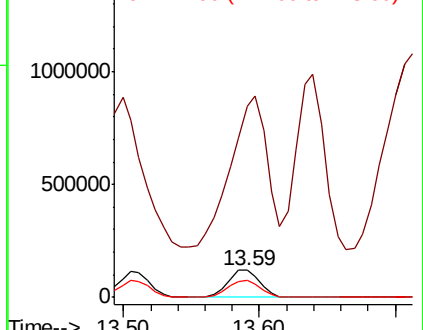


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 5.709 ug/l

RT: 13.83 min Scan# 1957

Delta R.T. -0.00 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

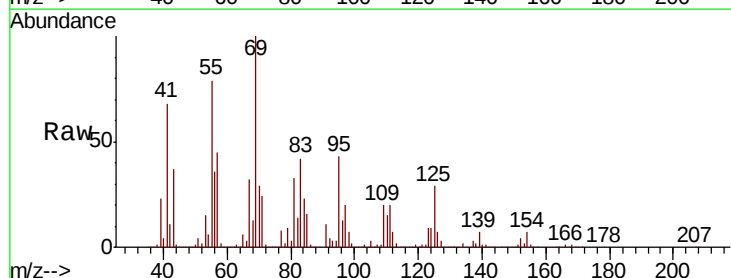
Tgt Ion: 91 Resp: 111347

Ion Ratio Lower Upper

91 100

92 74.2 26.5 79.5

134 0.0 12.9 38.7#

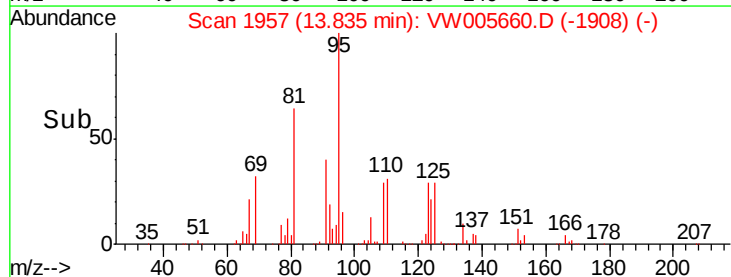
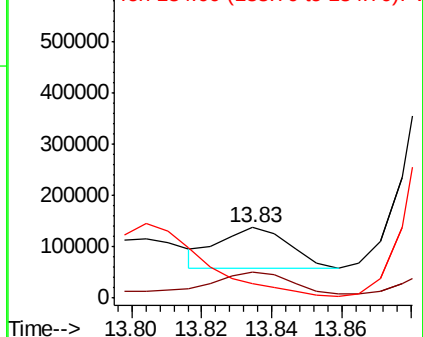


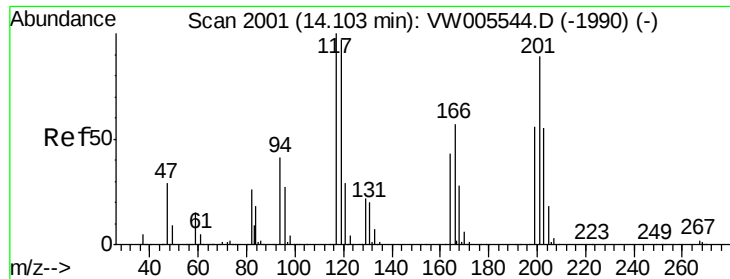
Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V

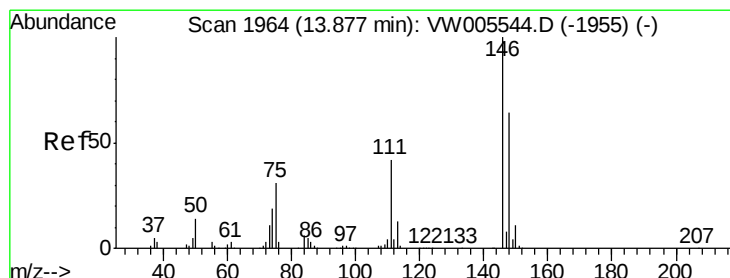
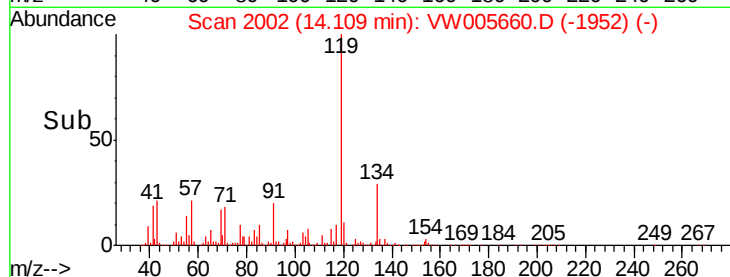
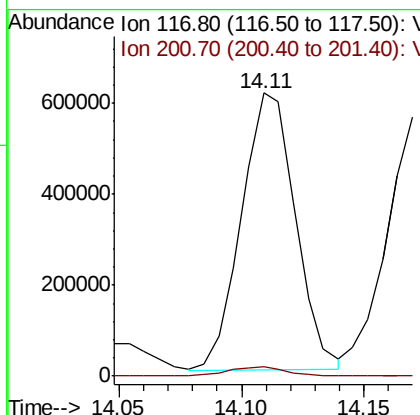
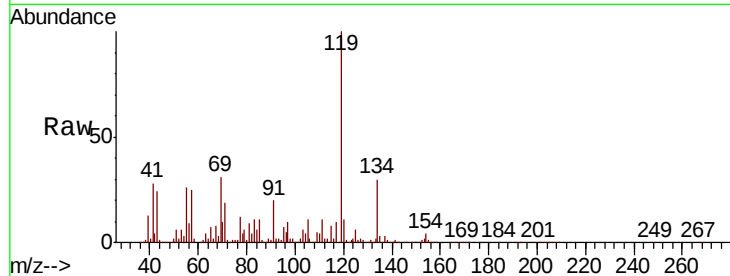




#90
Hexachloroethane
Concen: 248.769 ug/l
RT: 14.11 min Scan# 2002
Delta R.T. 0.01 min
Lab File: VW005660.D
Acq: 26 Sep 2018 18:33

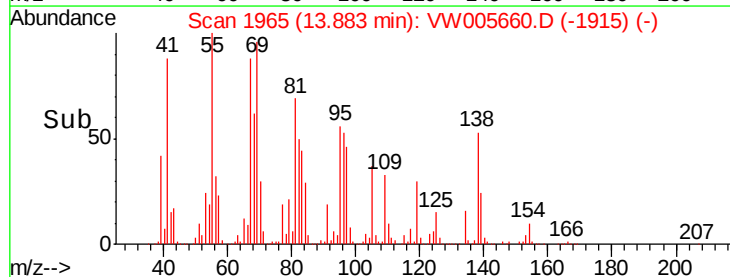
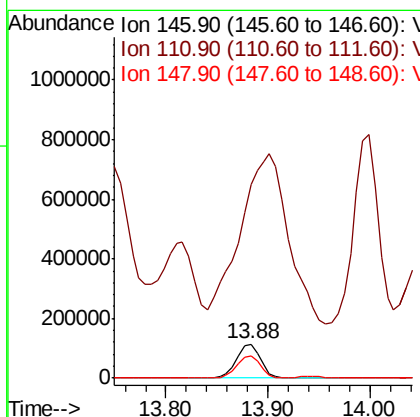
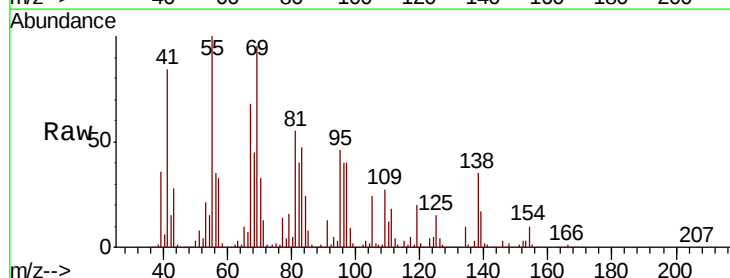
Instrument :
MSVOA_W
ClientSampleId :
EP1-Q1-G3

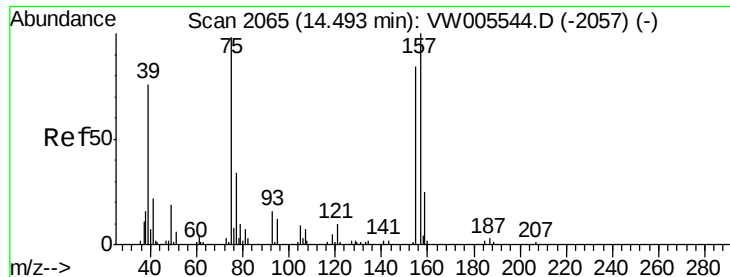
Tgt Ion:117 Resp: 932294
Ion Ratio Lower Upper
117 100
201 3.6 42.8 128.3#



#91
1,2-Dichlorobenzene
Concen: 20.130 ug/l
RT: 13.88 min Scan# 1965
Delta R.T. 0.01 min
Lab File: VW005660.D
Acq: 26 Sep 2018 18:33

Tgt Ion:146 Resp: 185425
Ion Ratio Lower Upper
146 100
111 1023.7 21.3 63.9#
148 63.4 32.0 96.2

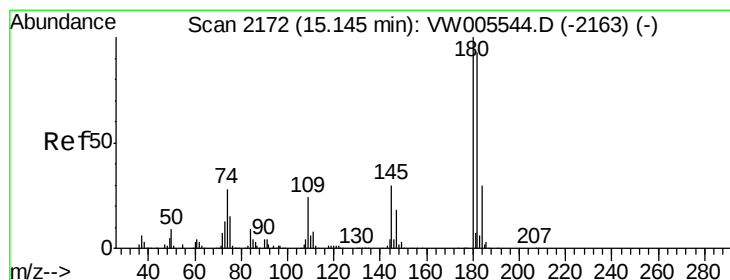
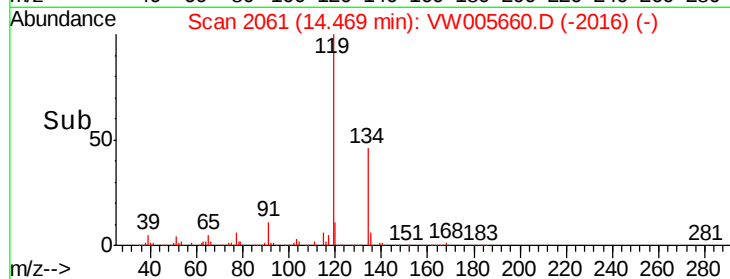
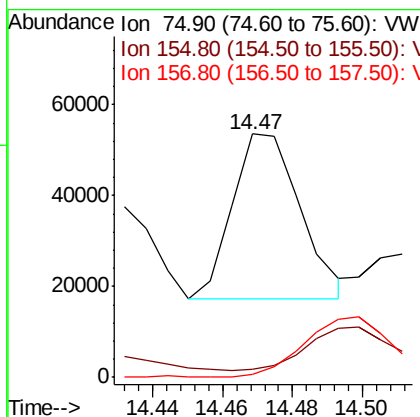
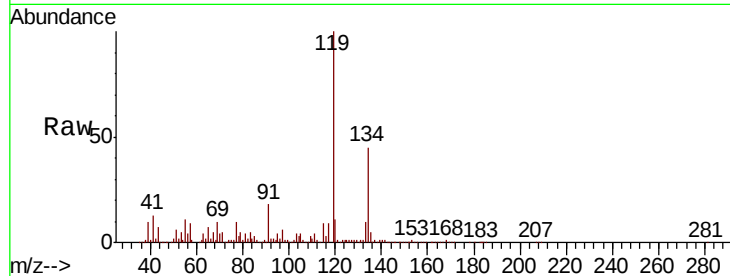




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 71.232 ug/l
 RT: 14.47 min Scan# 2061
 Delta R.T. -0.02 min
 Lab File: VW005660.D
 Acq: 26 Sep 2018 18:33

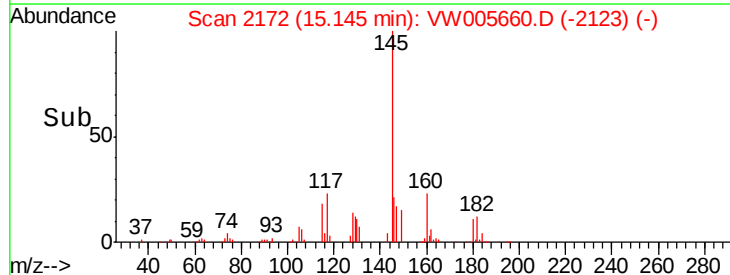
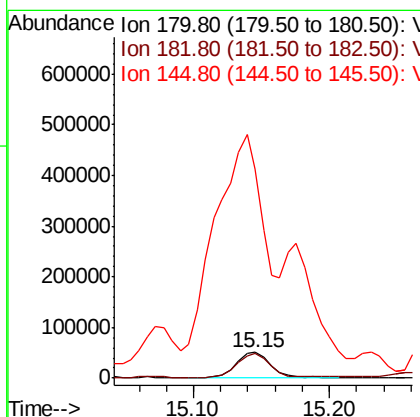
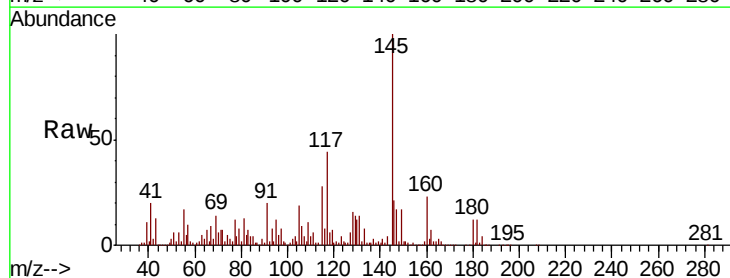
Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-Q1-G3

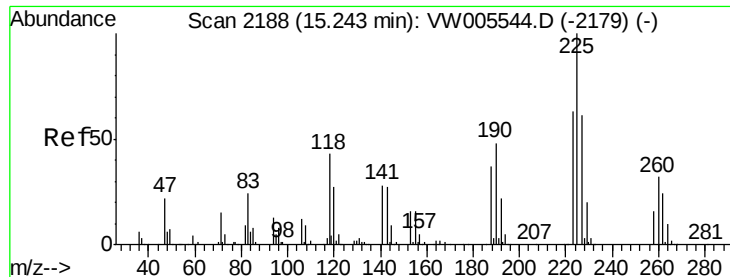
Tgt Ion: 75 Resp: 49082
 Ion Ratio Lower Upper
 75 100
 155 0.0 39.1 117.5#
 157 0.0 50.8 152.4#



#93
 1,2,4-Trichlorobenzene
 Concen: 12.948 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. -0.00 min
 Lab File: VW005660.D
 Acq: 26 Sep 2018 18:33

Tgt Ion: 180 Resp: 85081
 Ion Ratio Lower Upper
 180 100
 182 97.0 47.7 143.1
 145 1509.7 15.0 45.1#





#94

Hexachlorobutadiene

Concen: 5.006 ug/l

RT: 15.24 min Scan# 2188

Delta R.T. -0.00 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

Instrument :

MSVOA_W

ClientSampleId :

EP1-Q1-G3

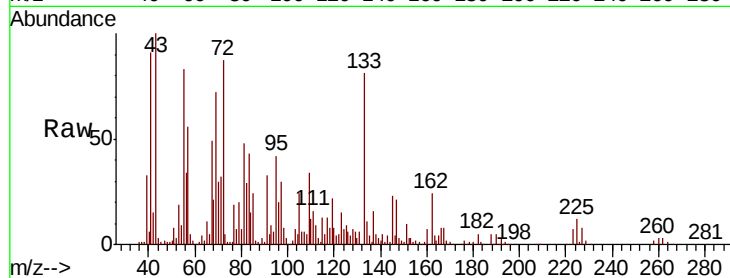
Tgt Ion:225 Resp: 21311

Ion Ratio Lower Upper

225 100

223 63.3 31.1 93.3

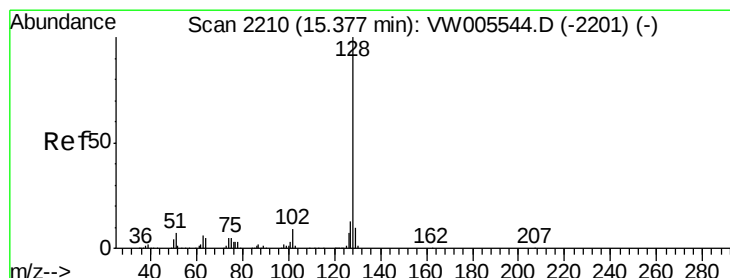
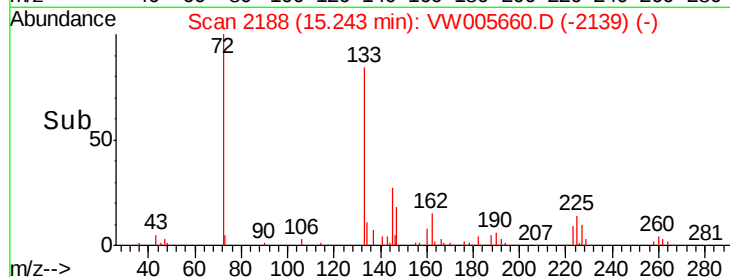
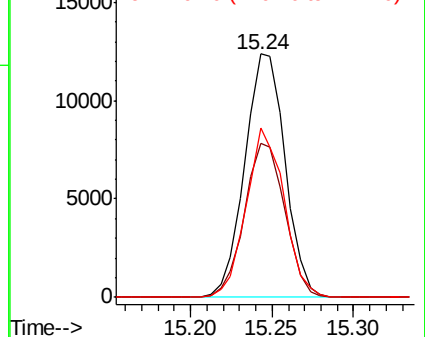
227 65.3 31.8 95.3



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 15.697 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW005660.D

Acq: 26 Sep 2018 18:33

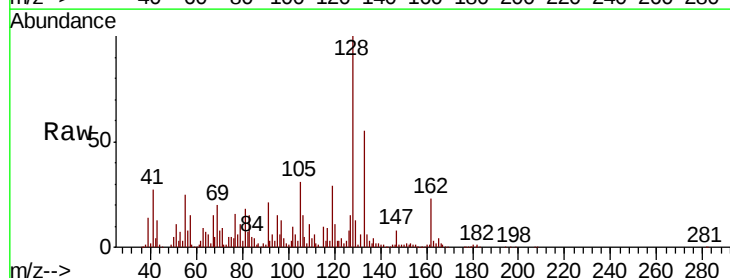
Tgt Ion:128 Resp: 173498

Ion Ratio Lower Upper

128 100

127 10.5 10.9 16.3#

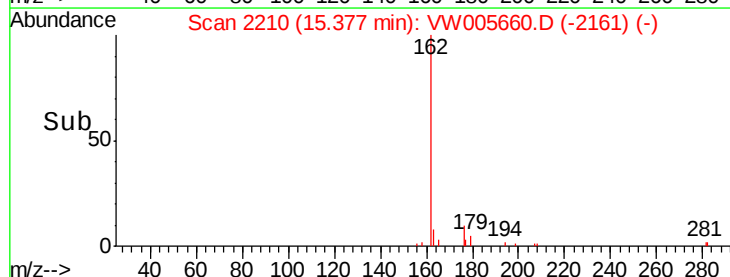
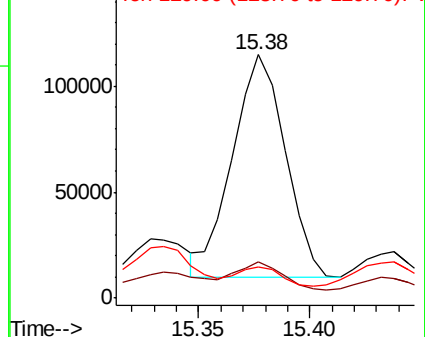
129 7.5 8.6 13.0#

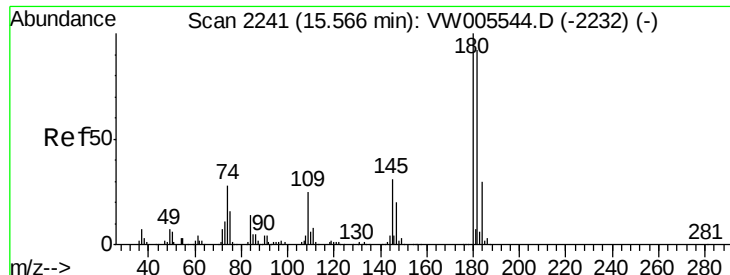


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

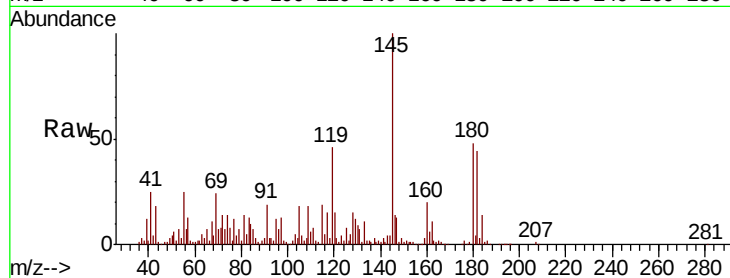




#96
 1,2,3-Trichlorobenzene
 Concen: 13.927 ug/l
 RT: 15.57 min Scan# 2241
 Delta R.T. -0.00 min
 Lab File: VW005660.D
 Acq: 26 Sep 2018 18:33

Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-Q1-G3

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.3	141.9
145	416.1	16.0	47.9#



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

