

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072318\
 Data File : VW004156.D
 Acq On : 24 Jul 2018 01:09
 Operator : SY/AP
 Sample : VW0723SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 24 04:49:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	242682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	394367	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	372379	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	195731	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	153234	56.49	ug/l	0.00
Spiked Amount			Recovery	=	112.98%	
35) Dibromofluoromethane	7.88	113	132962	52.55	ug/l	0.00
Spiked Amount			Recovery	=	105.10%	
50) Toluene-d8	10.32	98	520466	53.01	ug/l	0.00
Spiked Amount			Recovery	=	106.02%	
62) 4-Bromofluorobenzene	12.62	95	185022	52.26	ug/l	0.00
Spiked Amount			Recovery	=	104.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	23847	17.498	ug/l	95
3) Chloromethane	2.20	50	40309	22.471	ug/l	100
4) Vinyl Chloride	2.36	62	51598	20.912	ug/l	99
5) Bromomethane	2.76	94	31155	20.202	ug/l	90
6) Chloroethane	2.92	64	27634	19.712	ug/l	94
7) Trichlorofluoromethane	3.24	101	20800	20.080	ug/l	100
8) Diethyl Ether	3.67	74	28386	23.608	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.04	101	49740	20.809	ug/l	99
10) Methyl Iodide	4.26	142	74356	21.659	ug/l	99
11) Tert butyl alcohol	5.20	59	22146	118.260	ug/l	100
12) 1,1-Dichloroethene	4.03	96	49517	20.995	ug/l	97
13) Acrolein	3.89	56	19025	98.875	ug/l	100
14) Allyl chloride	4.65	41	86539	22.229	ug/l	98
15) Acrylonitrile	5.37	53	75893	123.178	ug/l	100
16) Acetone	4.12	43	63256	97.039	ug/l	96
17) Carbon Disulfide	4.37	76	158942	21.591	ug/l	99
18) Methyl Acetate	4.67	43	40025	25.579	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	103844	22.974	ug/l	99
20) Methylene Chloride	4.90	84	67368	18.448	ug/l	96
21) trans-1,2-Dichloroethene	5.41	96	57806	22.360	ug/l	99
22) Diisopropyl ether	6.31	45	190639	24.230	ug/l	99
23) Vinyl Acetate	6.26	43	565867	113.510	ug/l	99
24) 1,1-Dichloroethane	6.21	63	111275	23.179	ug/l	100
25) 2-Butanone	7.18	43	102209	116.515	ug/l	100
26) 2,2-Dichloropropane	7.17	77	52255	18.962	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	62330	22.303	ug/l	99
28) Bromochloromethane	7.51	49	47324	24.088	ug/l #	97
29) Tetrahydrofuran	7.53	42	67502	123.536	ug/l	99
30) Chloroform	7.68	83	112560	23.572	ug/l	98
31) Cyclohexane	7.95	56	94476	20.994	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	82574	22.144	ug/l	99
36) 1,1-Dichloropropene	8.08	75	84808	20.902	ug/l	99
37) Ethyl Acetate	7.26	43	47221	24.128	ug/l	99
38) Carbon Tetrachloride	8.07	117	77180	20.358	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	91019	19.154	ug/l	92
40) Benzene	8.32	78	249774	22.189	ug/l	97
41) Methacrylonitrile	7.49	41	26489	24.427	ug/l	89
42) 1,2-Dichloroethane	8.40	62	79282	23.086	ug/l	100
43) Isopropyl Acetate	8.43	43	84176	22.997	ug/l	99
44) Trichloroethene	9.09	130	61648	21.127	ug/l	99
45) 1,2-Dichloropropane	9.37	63	66013	22.976	ug/l	96
46) Dibromomethane	9.46	93	33986	22.796	ug/l	98
47) Bromodichloromethane	9.65	83	81686	22.225	ug/l	98
48) Methyl methacrylate	9.44	41	43519	24.584	ug/l	92
49) 1,4-Dioxane	9.46	88	11263	491.471	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	231492	118.707	ug/l	99
52) Toluene	10.39	92	153509	22.053	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	79846	20.775	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	91165	20.735	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	48085	22.933	ug/l	98
56) Ethyl methacrylate	10.65	69	59879	21.735	ug/l	97
57) 1,3-Dichloropropane	10.93	76	84318	23.145	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	151490	121.787	ug/l	99
59) 2-Hexanone	10.98	43	155769	113.330	ug/l	99
60) Dibromochloromethane	11.13	129	54061	22.139	ug/l	100
61) 1,2-Dibromoethane	11.24	107	46945	23.530	ug/l	100
64) Tetrachloroethene	10.87	164	61183	23.946	ug/l	97
65) Chlorobenzene	11.66	112	169384	21.392	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	58638	21.310	ug/l	99
67) Ethyl Benzene	11.74	91	285055	20.493	ug/l	100
68) m/p-Xylenes	11.85	106	222700	41.890	ug/l	99
69) o-Xylene	12.17	106	101572	20.596	ug/l	99
70) Styrene	12.19	104	176329	21.407	ug/l	99
71) Bromoform	12.35	173	33098	21.305	ug/l #	98
73) Isopropylbenzene	12.47	105	276011	19.956	ug/l	99
74) N-amyl acetate	12.28	43	78082	21.667	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	59975	22.423	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	77004	39.628	ug/l #	100
77) Bromobenzene	12.75	156	68425	20.675	ug/l	97
78) n-propylbenzene	12.81	91	347823	20.499	ug/l	99
79) 2-Chlorotoluene	12.90	91	197943	20.684	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	239980	20.618	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	16261	18.511	ug/l	97
82) 4-Chlorotoluene	12.99	91	215667	21.000	ug/l	99
83) tert-Butylbenzene	13.21	119	191461	19.593	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	249841	20.864	ug/l	100
85) sec-Butylbenzene	13.39	105	289094	19.939	ug/l	100
86) p-Isopropyltoluene	13.51	119	254367	20.001	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	137973	20.873	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	138823	20.942	ug/l	99
89) n-Butylbenzene	13.83	91	242213	19.374	ug/l	99
90) Hexachloroethane	14.10	117	46861	19.989	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	125679	21.341	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10425	21.918	ug/l	98

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Quant Time: Jul 24 04:49:03 2018
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Quant Title : SW846 8260
QLast Update : Mon Jul 16 15:06:12 2018
Response via : Initial Calibration

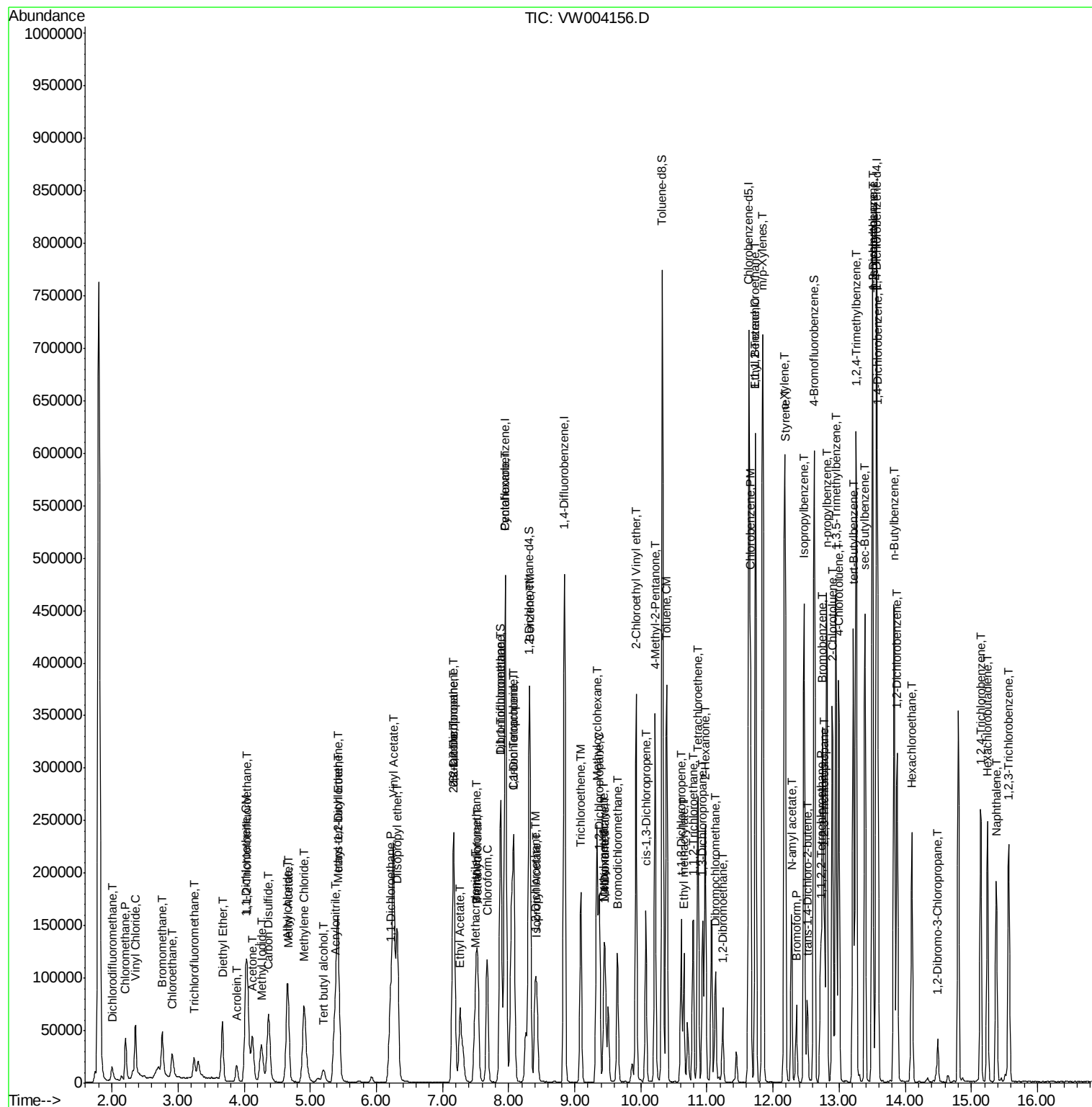
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	83255	20.129	ug/l	100
94) Hexachlorobutadiene	15.24	225	47464	19.984	ug/l	98
95) Naphthalene	15.38	128	159054	20.834	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	77168	21.073	ug/l	98

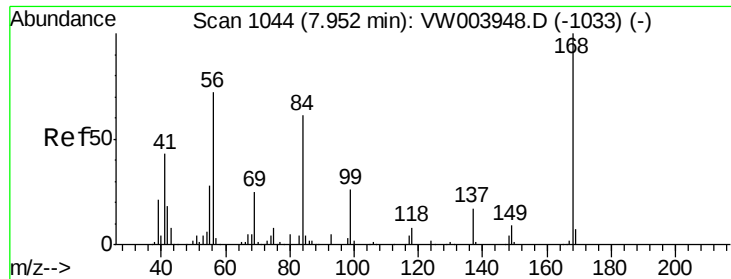
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

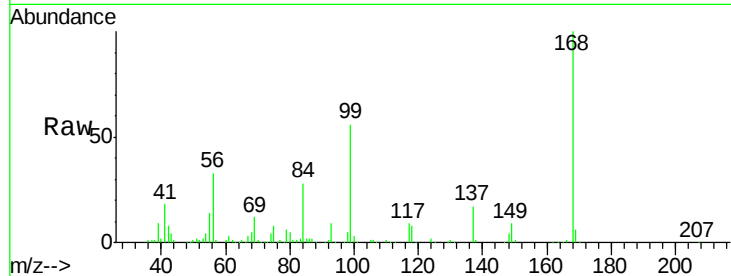
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 242682

Ion Ratio Lower Upper

168 100

99 55.7 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

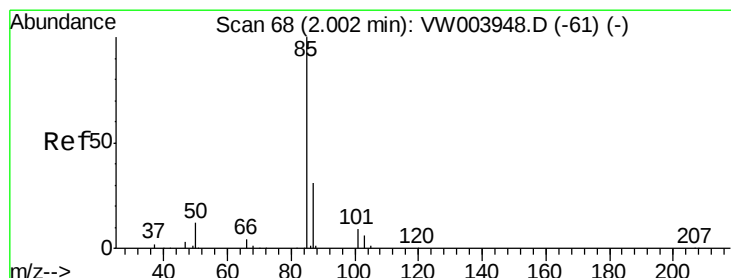
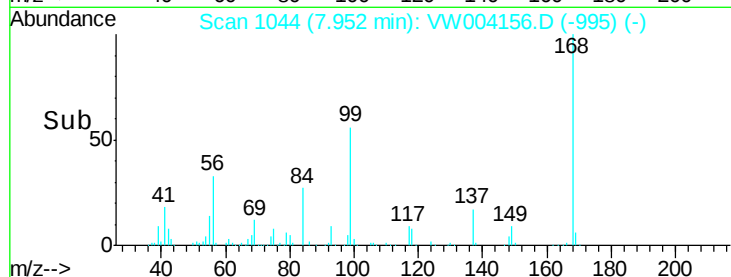
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 17.498 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW004156.D

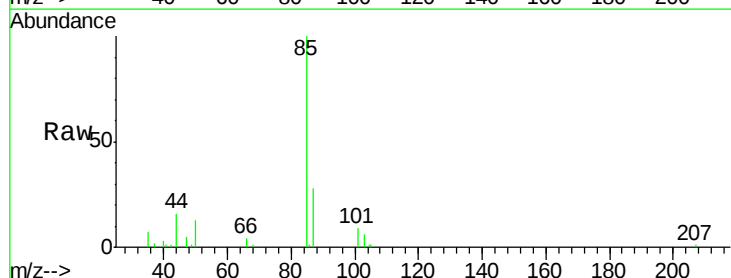
Acq: 24 Jul 2018 01:09

Tgt Ion: 85 Resp: 23847

Ion Ratio Lower Upper

85 100

87 28.0 15.4 46.2



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

8000

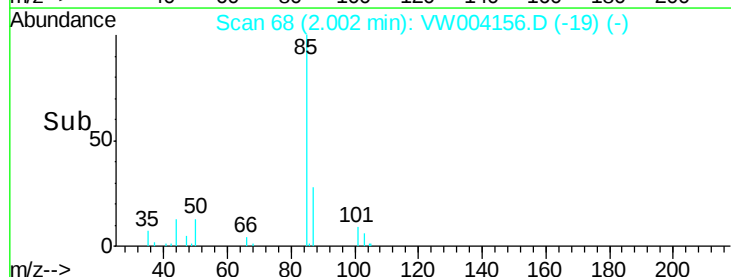
6000

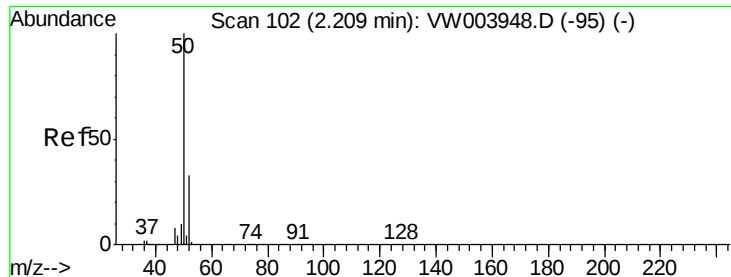
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 22.471 ug/l

RT: 2.20 min Scan# 101

Delta R.T. -0.01 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

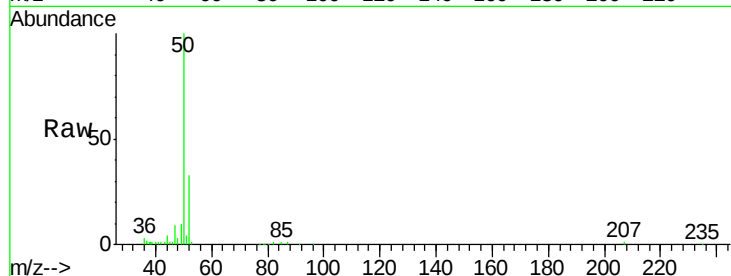
ClientSampled :

Tot Ion: 50 Resp: 40309

Ion Ratio Lower Upper

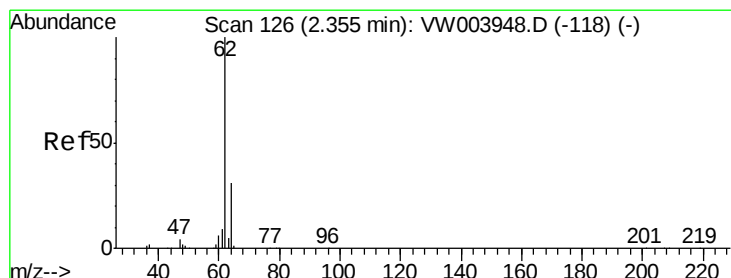
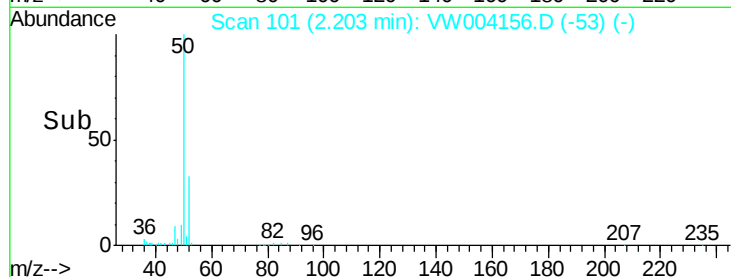
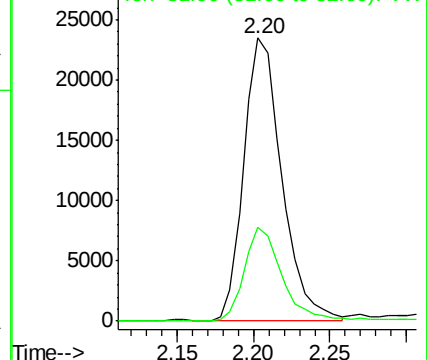
50 100

52 33.1 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 20.912 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW004156.D

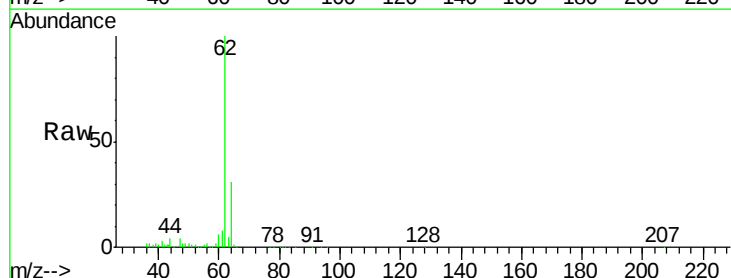
Acq: 24 Jul 2018 01:09

Tgt Ion: 62 Resp: 51598

Ion Ratio Lower Upper

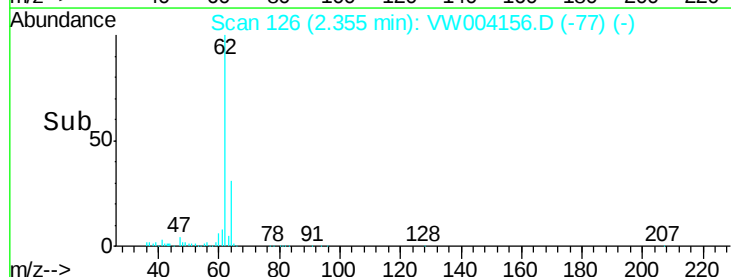
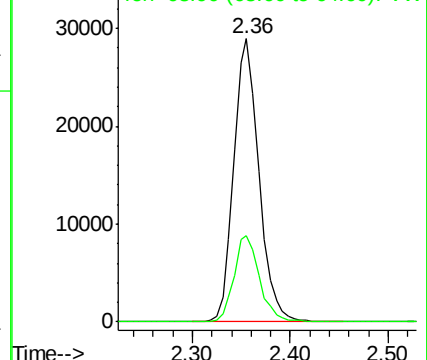
62 100

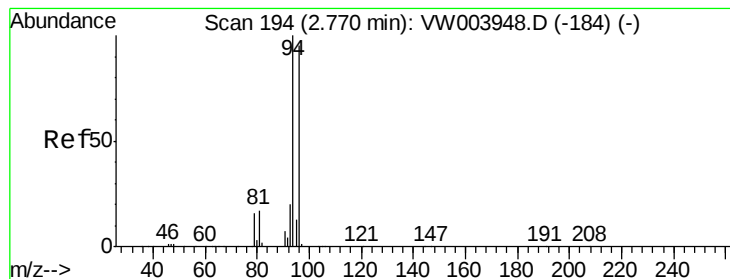
64 30.7 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 20.202 ug/l

RT: 2.76 min Scan# 192

Delta R.T. -0.01 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

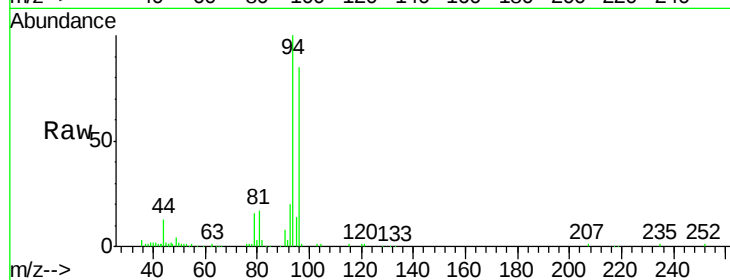
ClientSampleId :

Tot Ion: 94 Resp: 31155

Ion Ratio Lower Upper

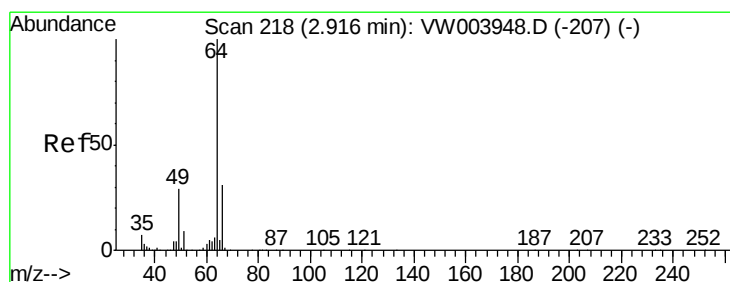
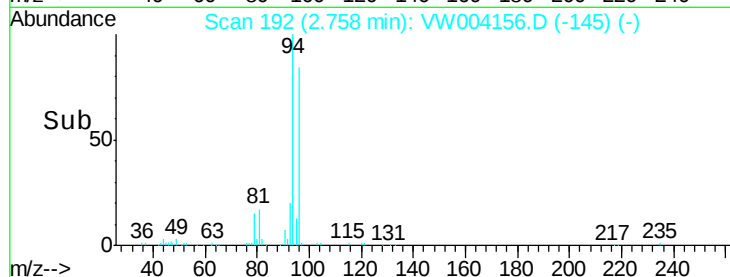
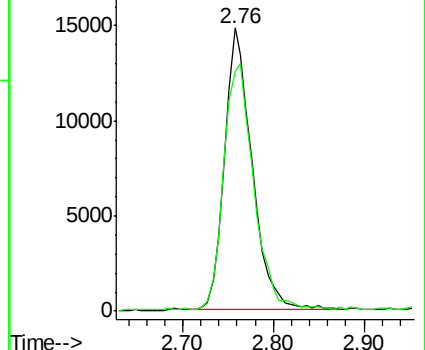
94 100

96 84.6 75.8 113.6



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 19.712 ug/l

RT: 2.92 min Scan# 218

Delta R.T. 0.00 min

Lab File: VW004156.D

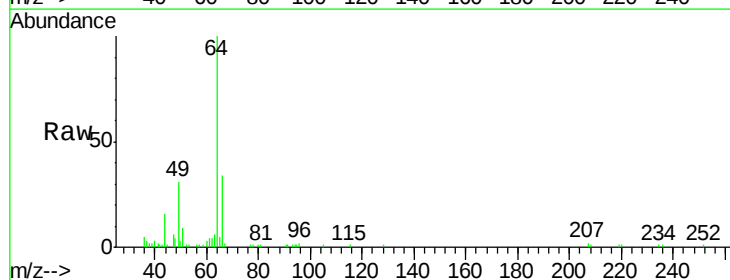
Acq: 24 Jul 2018 01:09

Tgt Ion: 64 Resp: 27634

Ion Ratio Lower Upper

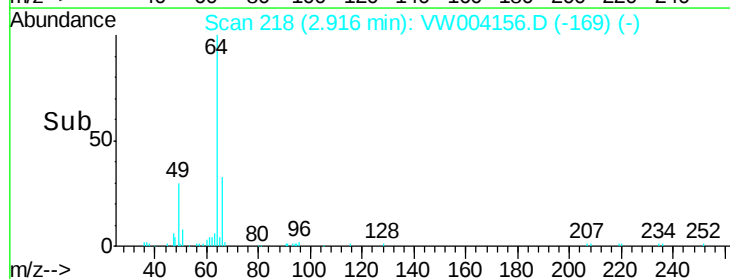
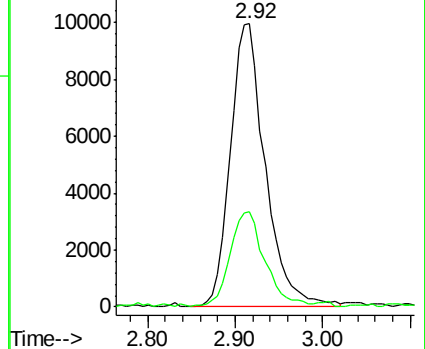
64 100

66 33.8 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



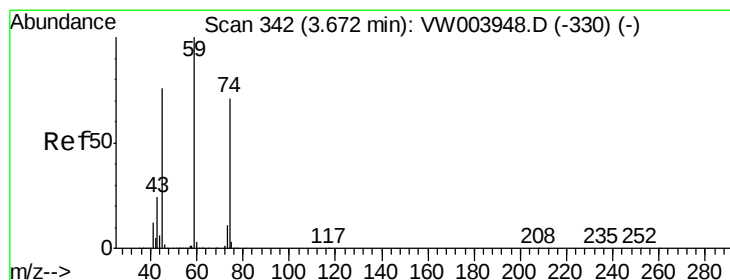
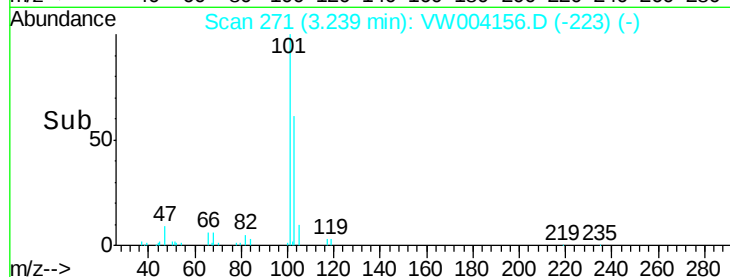
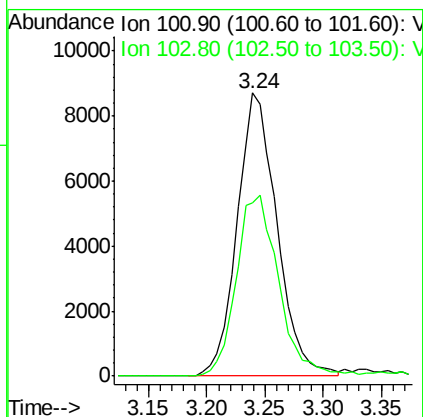
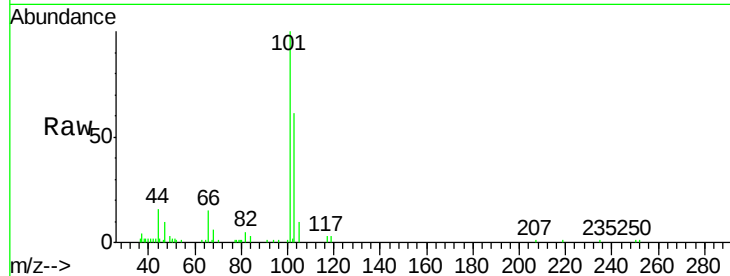


#7

Trichlorofluoromethane
 Concen: 20.080 ug/l
 RT: 3.24 min Scan# 271
 Delta R.T. -0.01 min
 Lab File: VW004156.D
 Acq: 24 Jul 2018 01:09

Instrument :
 MSVOA_W
 ClientSampleId :

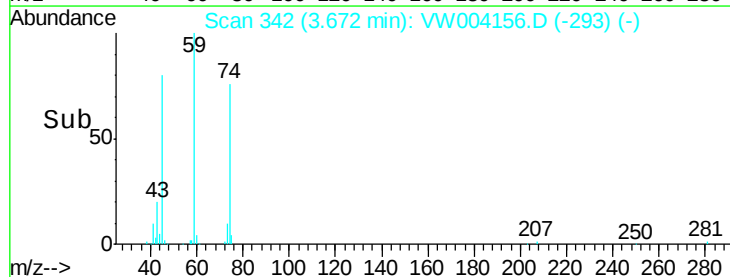
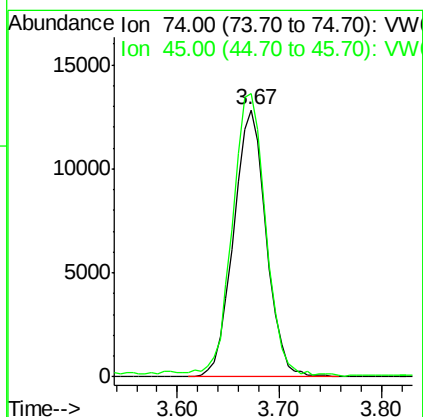
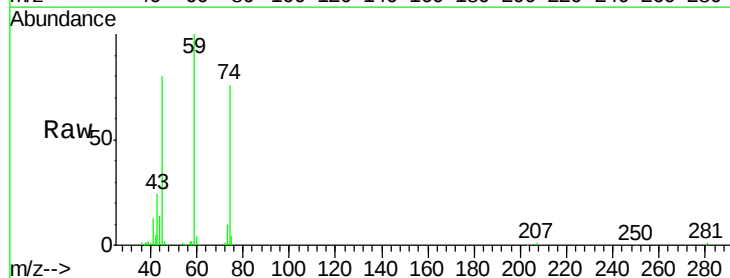
Tot Ion:101 Resp: 20800
 Ion Ratio Lower Upper
 101 100
 103 61.1 49.0 73.6

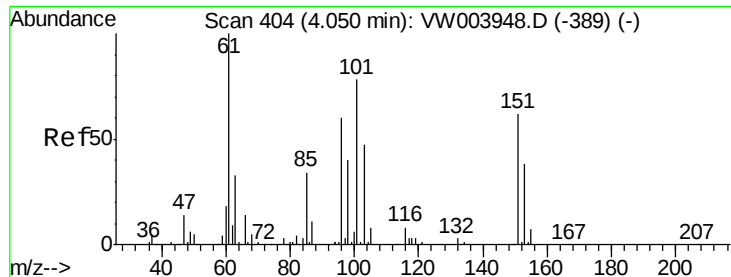


#8

Diethyl Ether
 Concen: 23.608 ug/l
 RT: 3.67 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VW004156.D
 Acq: 24 Jul 2018 01:09

Tgt Ion: 74 Resp: 28386
 Ion Ratio Lower Upper
 74 100
 45 107.8 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.809 ug/l

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

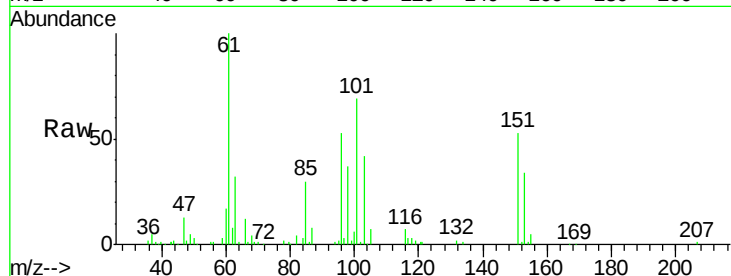
Tot Ion:101 Resp: 49740

Ion Ratio Lower Upper

101 100

85 45.6 35.8 53.6

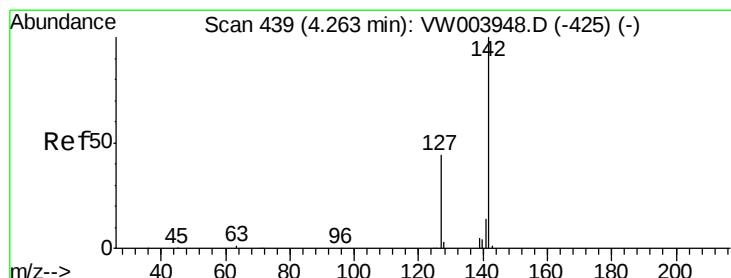
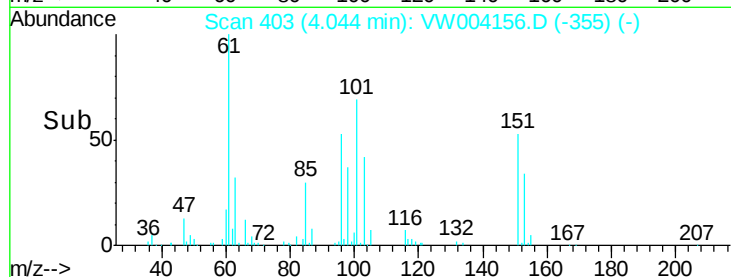
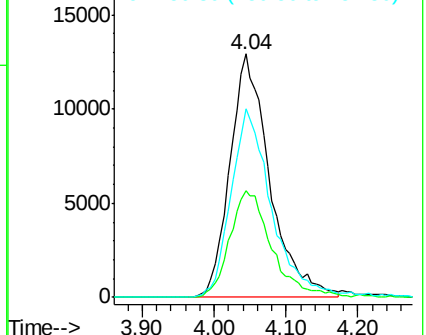
151 78.8 63.6 95.4



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: 21.659 ug/l

RT: 4.26 min Scan# 439

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

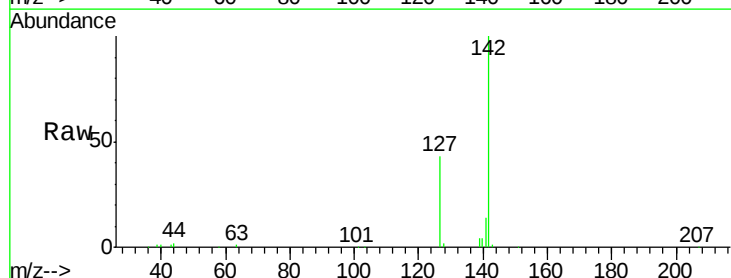
Tgt Ion:142 Resp: 74356

Ion Ratio Lower Upper

142 100

127 44.8 35.4 53.2

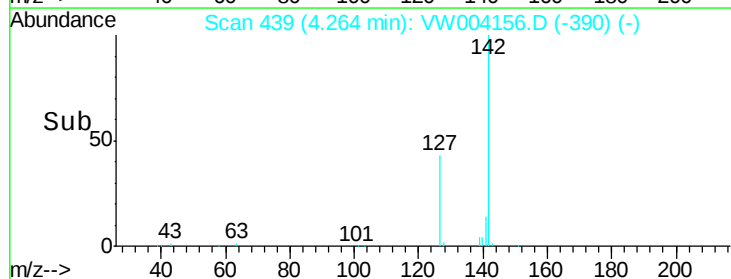
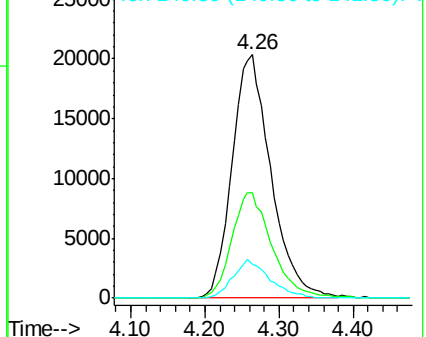
141 14.9 11.7 17.5

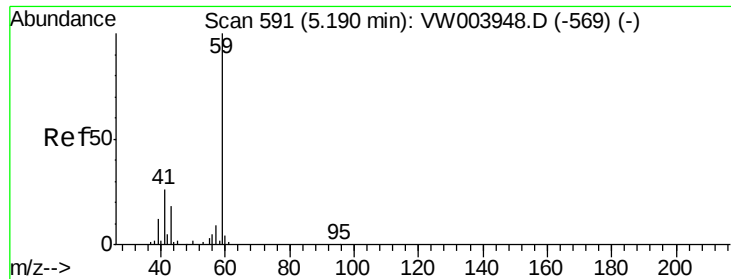


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



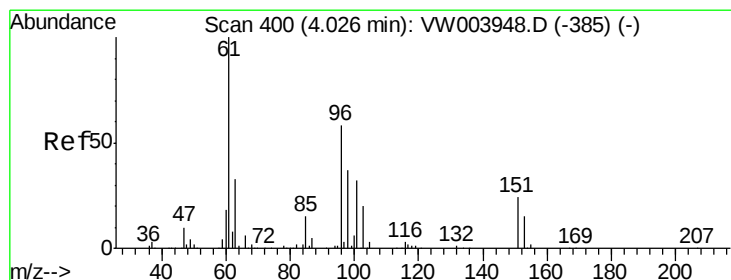
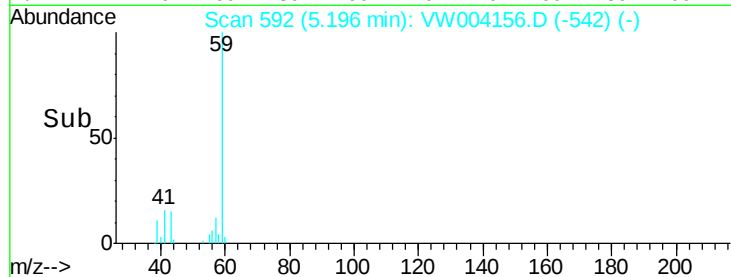
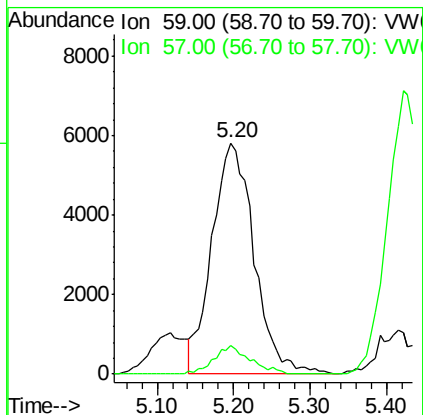
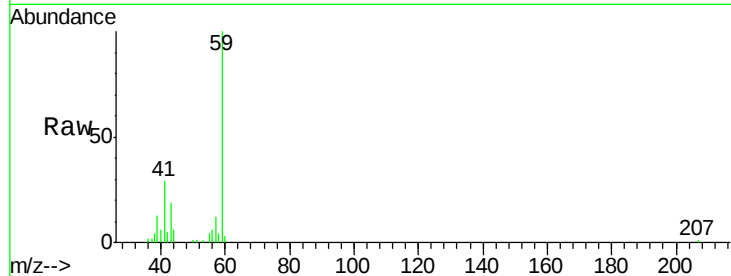


#11

Tert butyl alcohol
 Concen: 118.260 ug/l
 RT: 5.20 min Scan# 592
 Delta R.T. 0.01 min
 Lab File: VW004156.D
 Acq: 24 Jul 2018 01:09

Instrument :
 MSVOA_W
 ClientSampled :

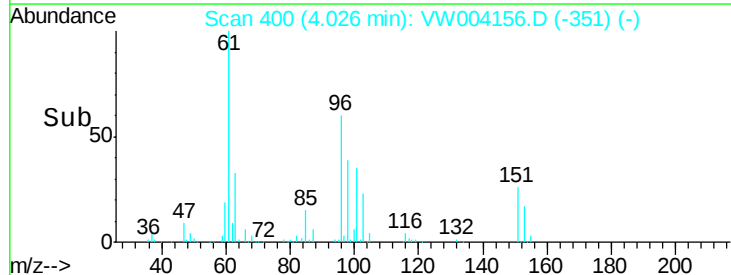
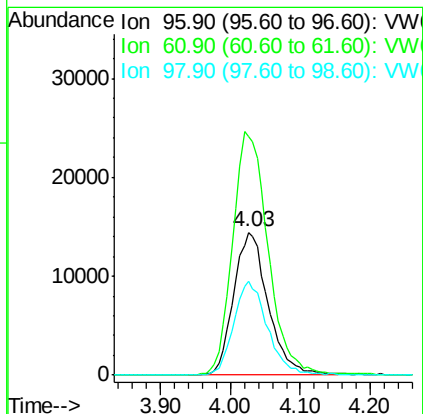
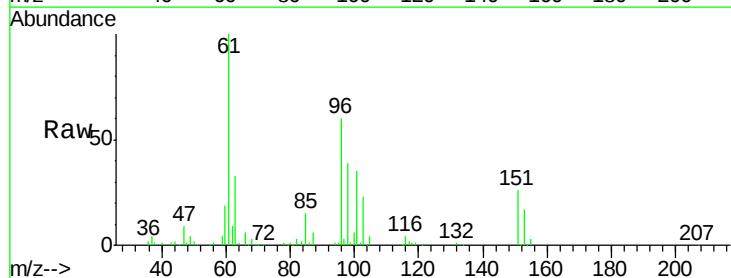
Tot Ion: 59 Resp: 22146
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.5 12.7

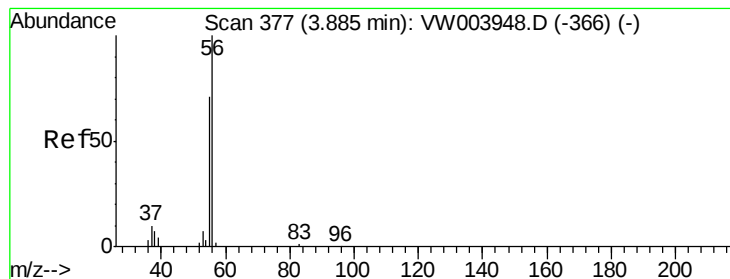


#12

1,1-Dichloroethene
 Concen: 20.995 ug/l
 RT: 4.03 min Scan# 400
 Delta R.T. 0.00 min
 Lab File: VW004156.D
 Acq: 24 Jul 2018 01:09

Tgt Ion: 96 Resp: 49517
 Ion Ratio Lower Upper
 96 100
 61 167.2 137.0 205.6
 98 65.3 50.2 75.4





#13

Acrolein

Concen: 98.875 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

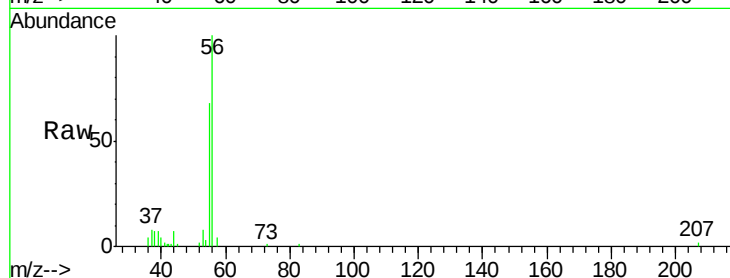
ClientSampled :

Tot Ion: 56 Resp: 19025

Ion Ratio Lower Upper

56 100

55 72.5 58.2 87.4



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.89

8000

6000

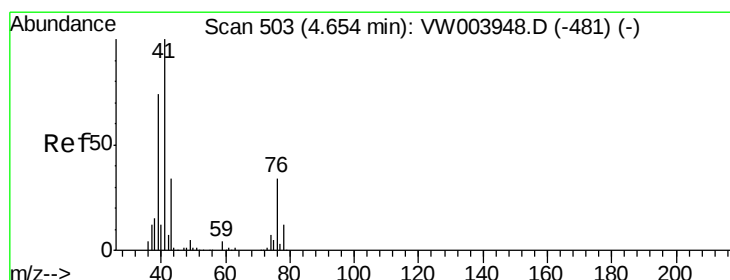
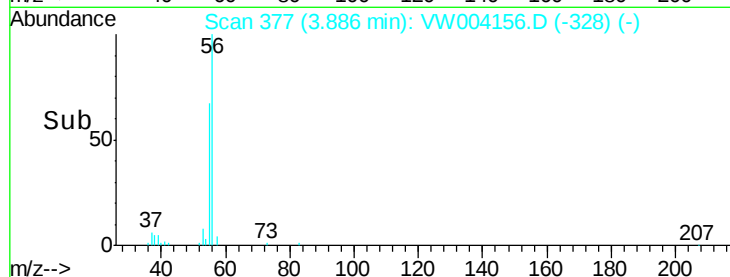
4000

2000

0

Time-->

3.80 3.90 4.00



#14

Allyl chloride

Concen: 22.229 ug/l

RT: 4.65 min Scan# 503

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

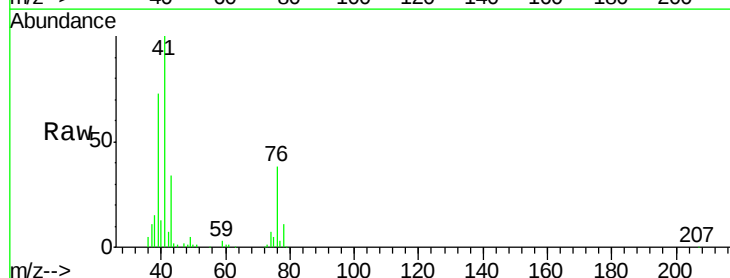
Tgt Ion: 41 Resp: 86539

Ion Ratio Lower Upper

41 100

39 69.4 57.0 85.4

76 33.2 26.5 39.7



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW

4.65

30000

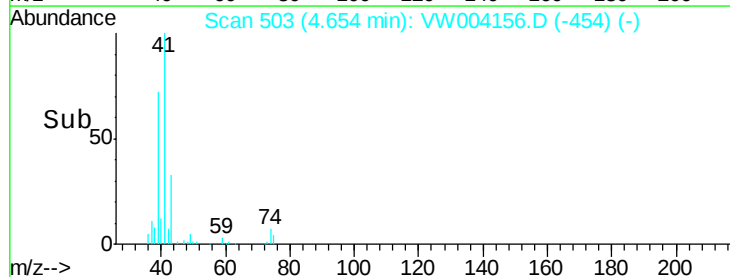
20000

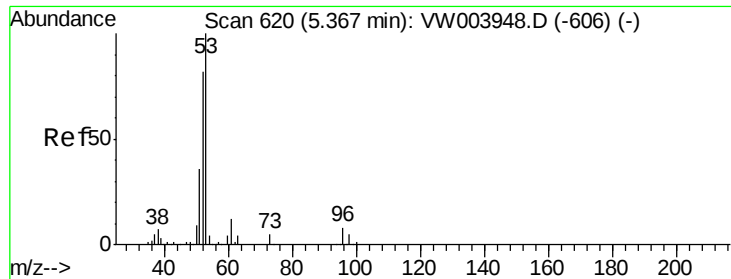
10000

0

Time-->

4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 123.178 ug/l

RT: 5.37 min Scan# 620

Delta R.T. 0.00 min

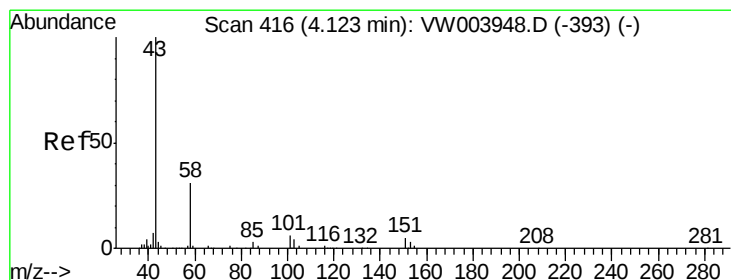
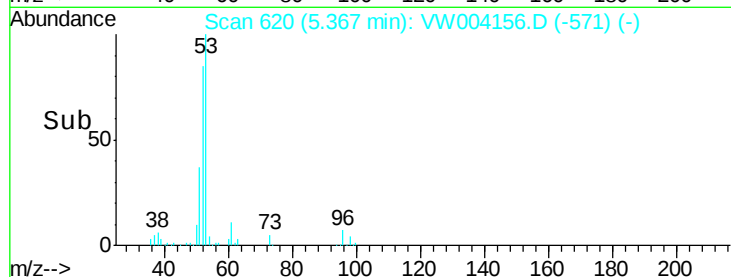
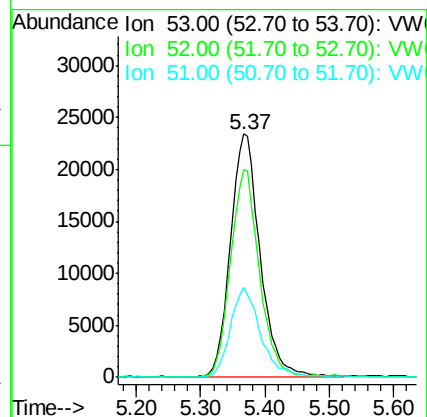
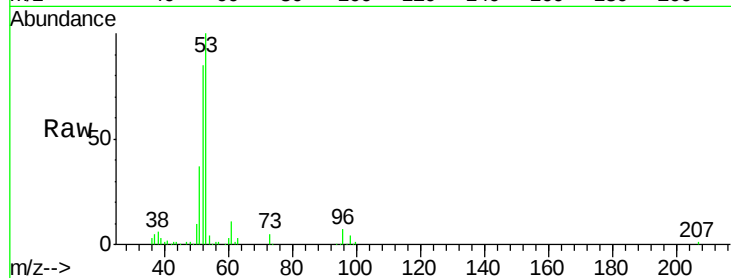
Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 53 Resp: 75893

Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.1	99.1
51	37.2	29.8	44.6



#16

Acetone

Concen: 97.039 ug/l

RT: 4.12 min Scan# 416

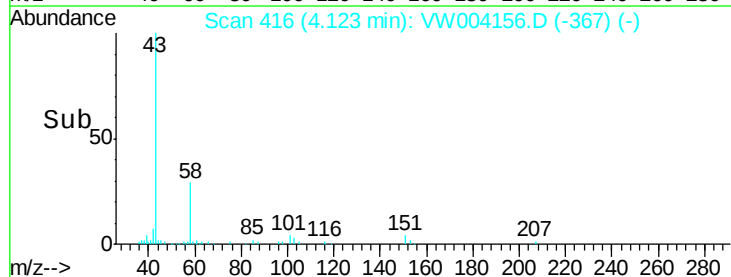
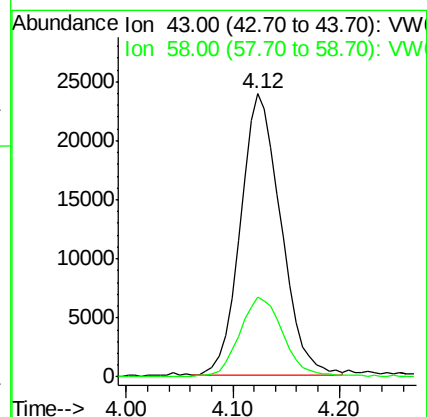
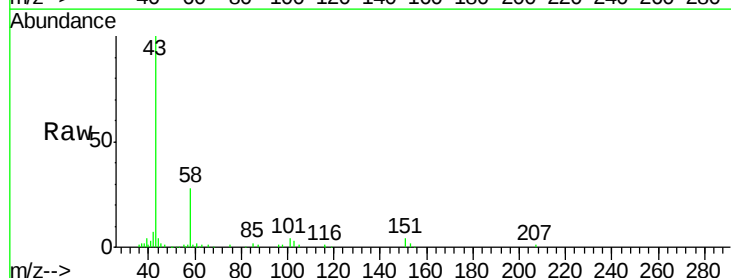
Delta R.T. 0.00 min

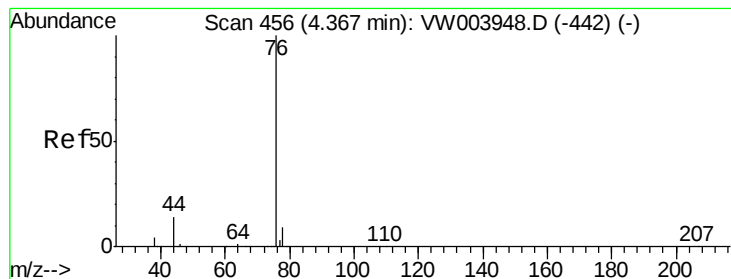
Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Tgt Ion: 43 Resp: 63256

Ion	Ratio	Lower	Upper
43	100		
58	28.6	24.5	36.7





#17

Carbon Disulfide

Concen: 21.591 ug/l

RT: 4.37 min Scan# 456

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

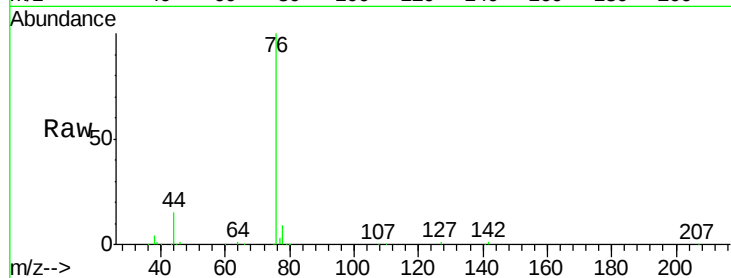
ClientSampleId :

Tot Ion: 76 Resp: 158942

Ion Ratio Lower Upper

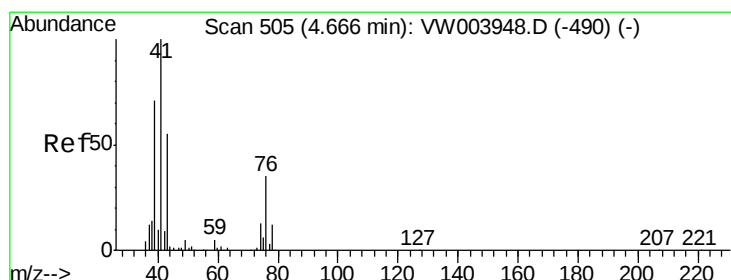
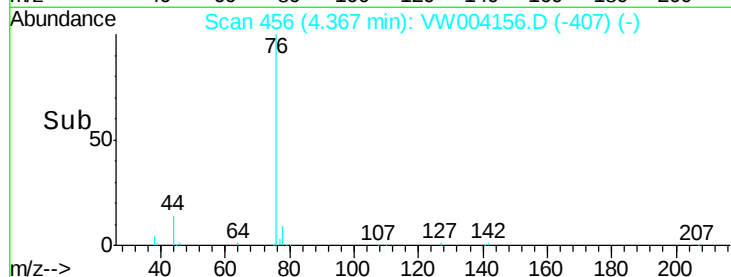
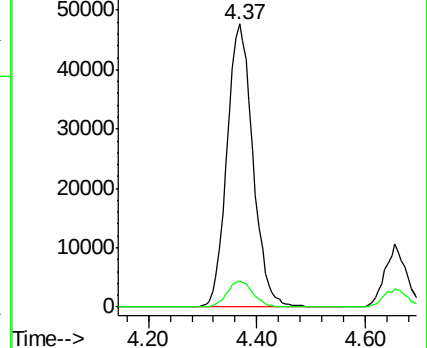
76 100

78 9.3 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 25.579 ug/l

RT: 4.67 min Scan# 506

Delta R.T. 0.01 min

Lab File: VW004156.D

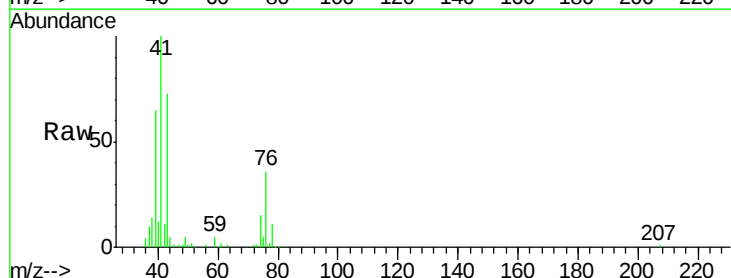
Acq: 24 Jul 2018 01:09

Tgt Ion: 43 Resp: 40025

Ion Ratio Lower Upper

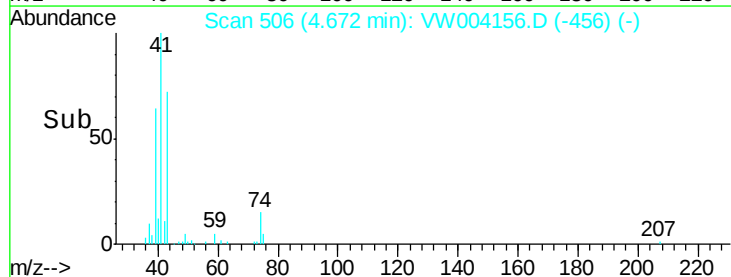
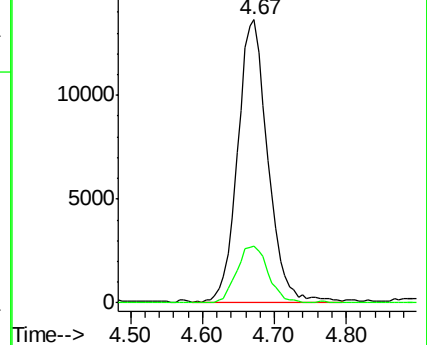
43 100

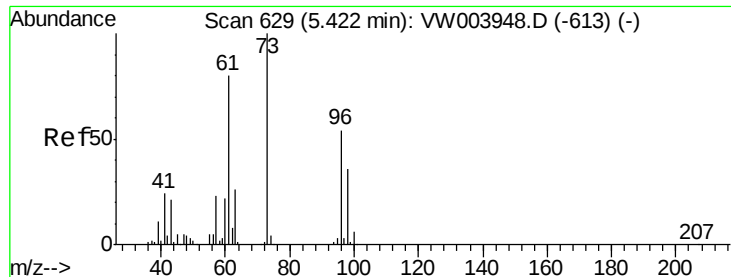
74 20.8 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

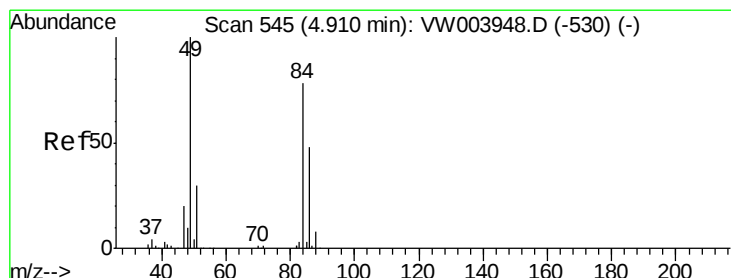
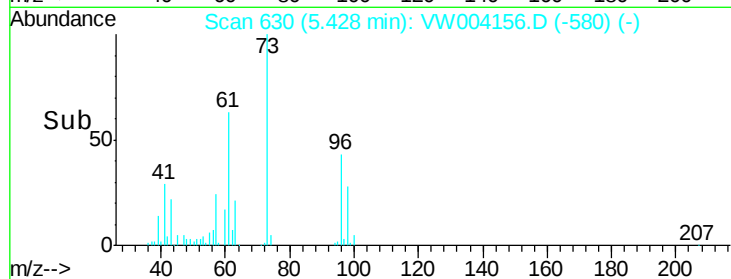
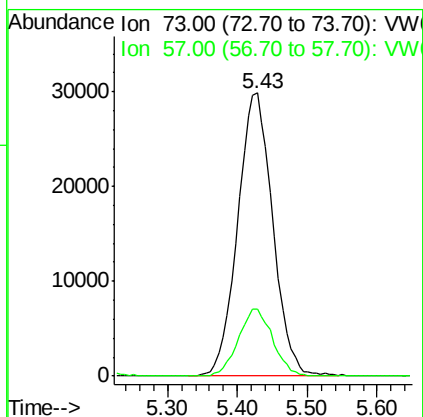
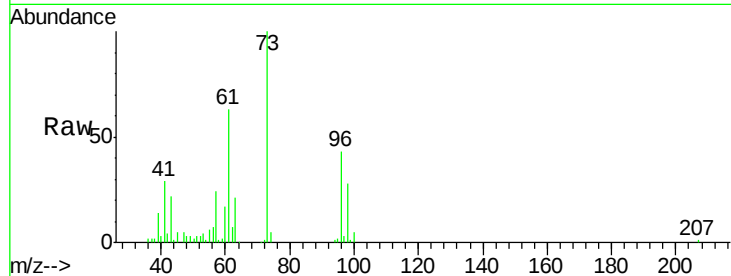




#19
Methvl tert-butvl Ether
Concen: 22.974 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.01 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

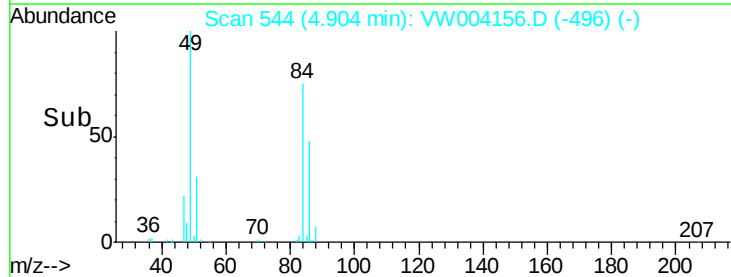
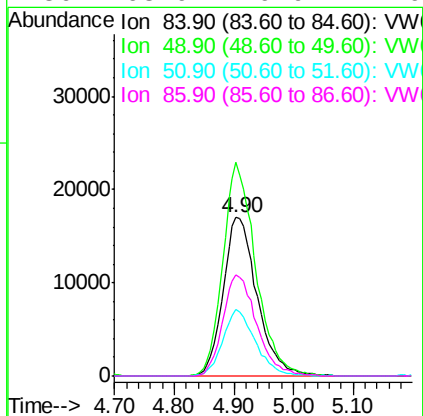
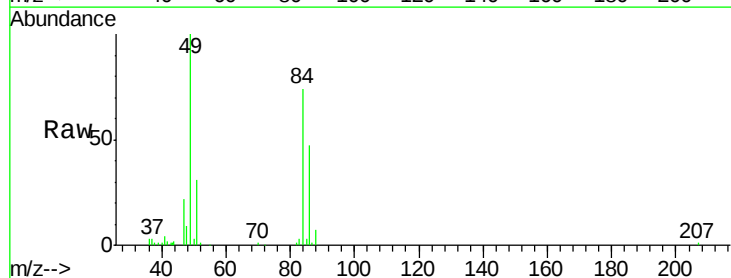
Instrument :
MSVOA_W
ClientSampled :

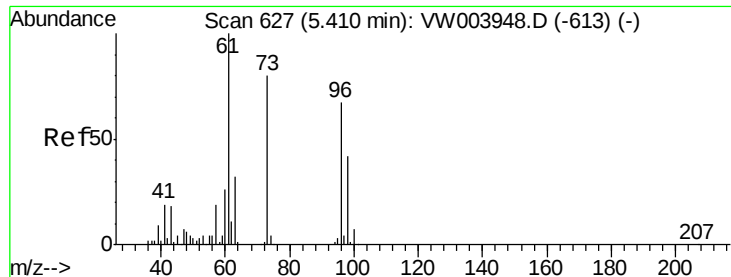
Tot Ion: 73 Resp: 103844
Ion Ratio Lower Upper
73 100
57 23.5 18.2 27.4



#20
Methylene Chloride
Concen: 18.448 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Tgt Ion: 84 Resp: 67368
Ion Ratio Lower Upper
84 100
49 134.7 102.9 154.3
51 41.9 30.9 46.3
86 63.9 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 22.360 ug/l

RT: 5.41 min Scan# 627

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

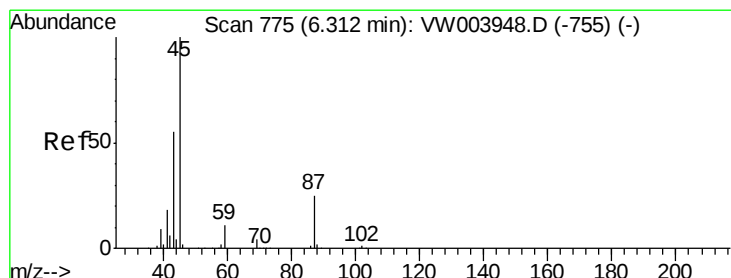
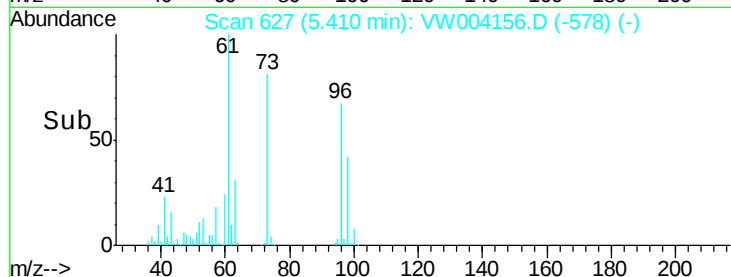
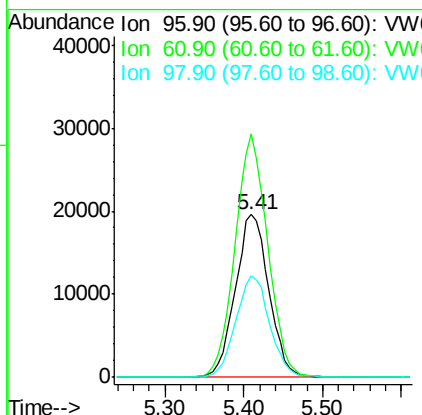
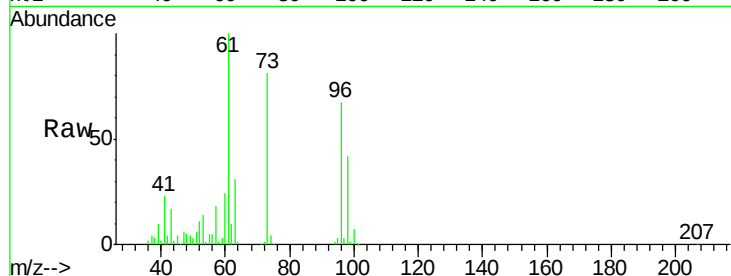
Tot Ion: 96 Resp: 57806

Ion Ratio Lower Upper

96 100

61 149.7 119.0 178.4

98 62.3 49.9 74.9



#22

Diisopropyl ether

Concen: 24.230 ug/l

RT: 6.31 min Scan# 775

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Tgt Ion: 45 Resp: 190639

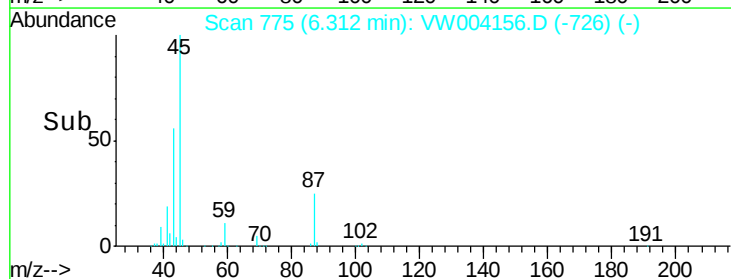
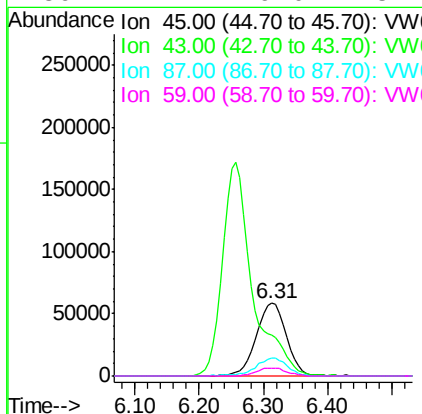
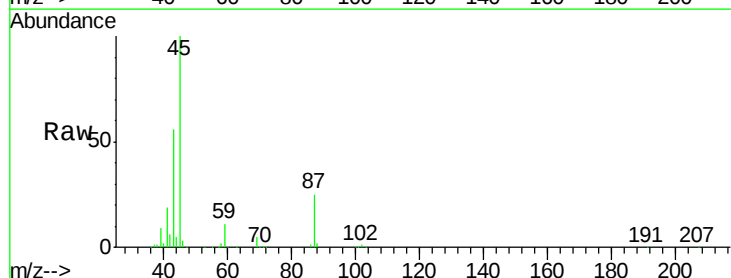
Ion Ratio Lower Upper

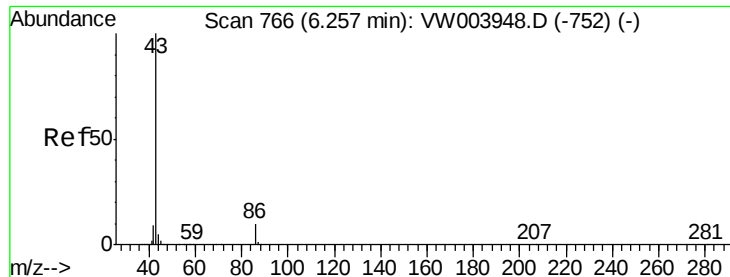
45 100

43 55.9 44.3 66.5

87 25.1 20.2 30.4

59 11.1 9.0 13.4





#23

Vinyl Acetate

Concen: 113.510 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

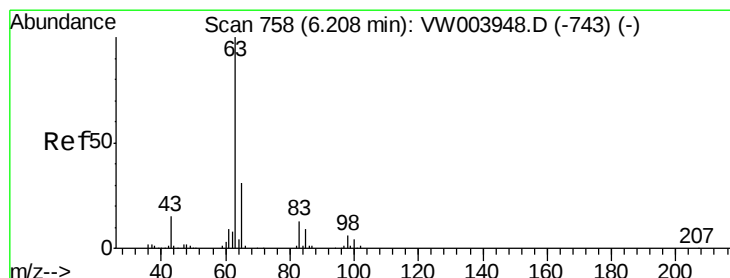
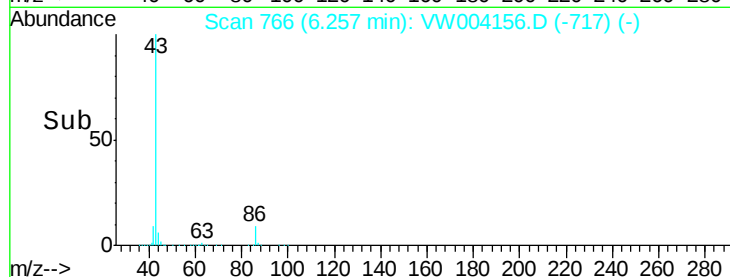
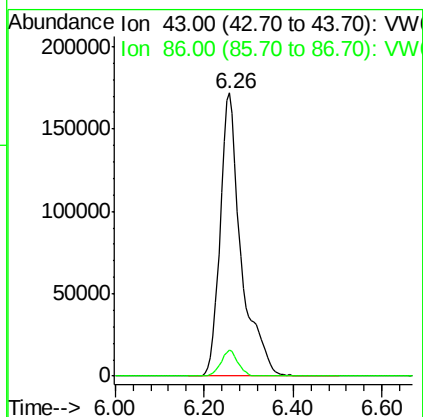
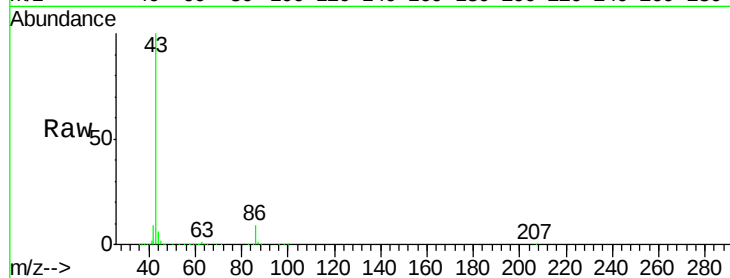
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 565867

Ion Ratio Lower Upper

43 100

86 9.2 7.6 11.4



#24

1,1-Dichloroethane

Concen: 23.179 ug/l

RT: 6.21 min Scan# 758

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

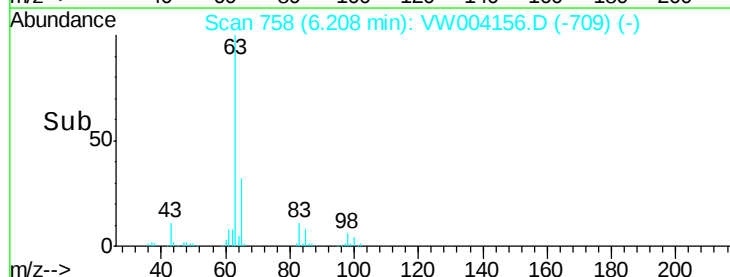
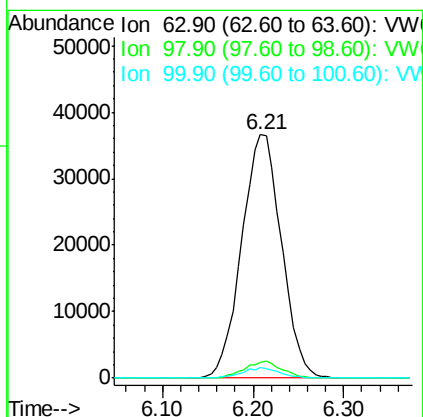
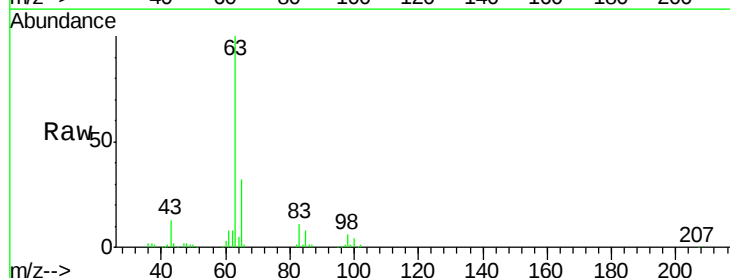
Tgt Ion: 63 Resp: 111275

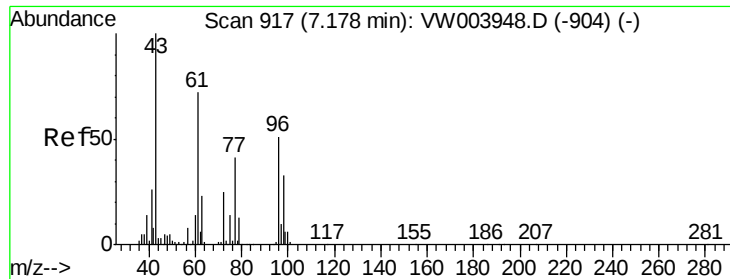
Ion Ratio Lower Upper

63 100

98 6.3 3.1 9.4

100 4.3 2.1 6.5





#25

2-Butanone

Concen: 116.515 ug/l

RT: 7.18 min Scan# 917

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

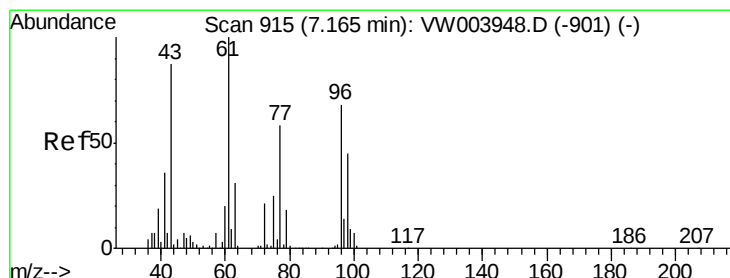
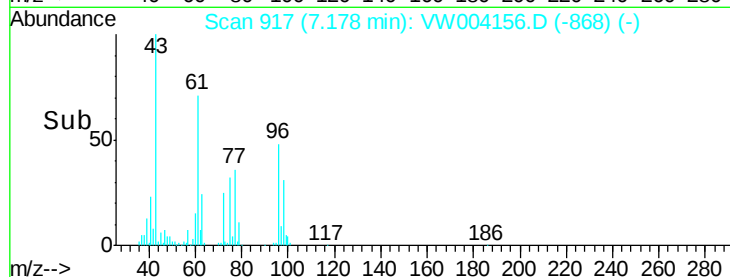
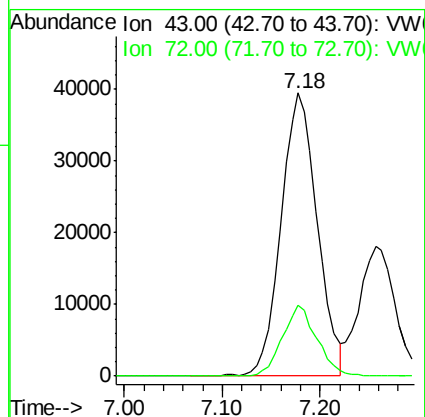
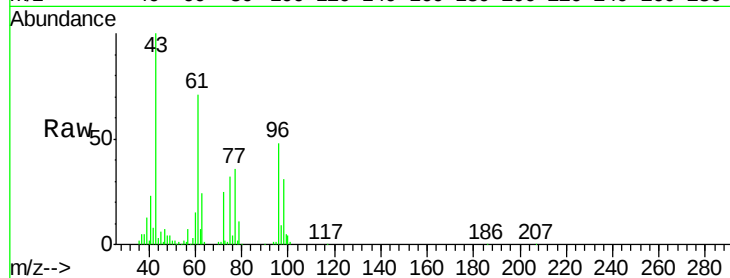
ClientSampled :

Tot Ion: 43 Resp: 102209

Ion Ratio Lower Upper

43 100

72 24.9 19.8 29.6



#26

2,2-Dichloropropane

Concen: 18.962 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW004156.D

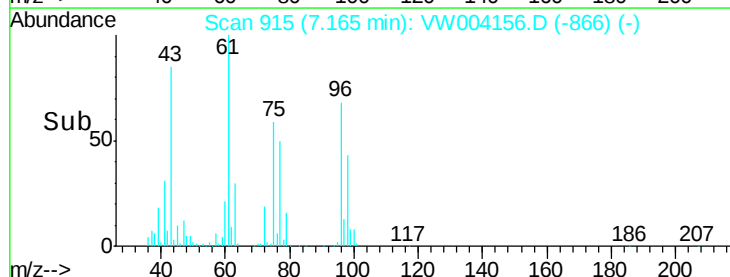
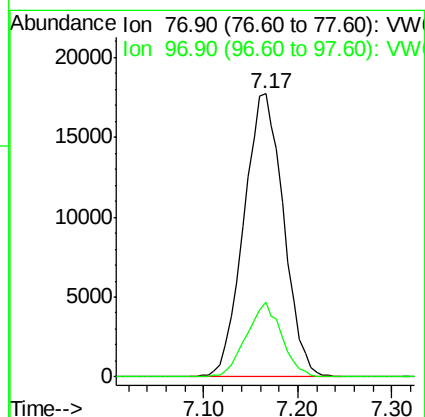
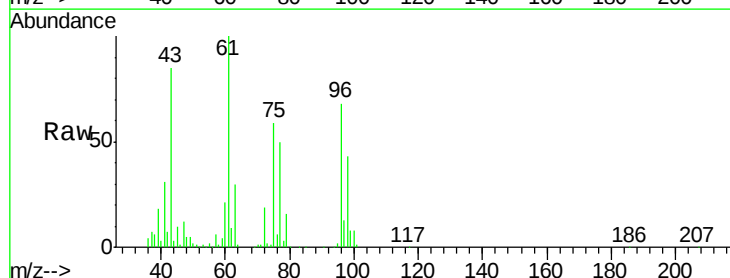
Acq: 24 Jul 2018 01:09

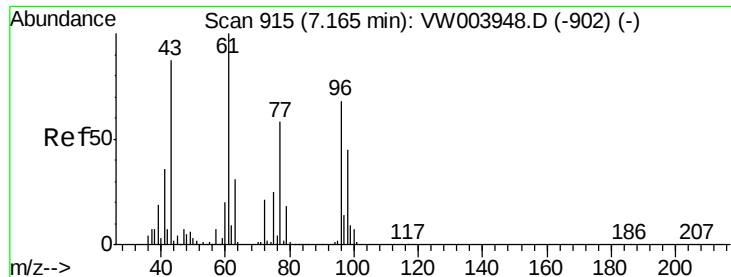
Tgt Ion: 77 Resp: 52255

Ion Ratio Lower Upper

77 100

97 23.5 11.8 35.3



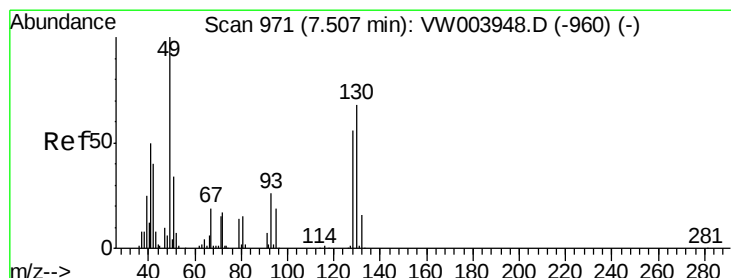
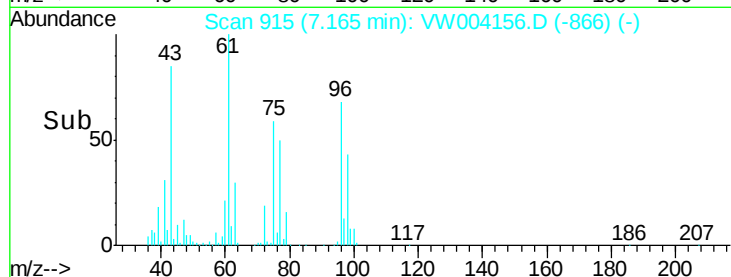
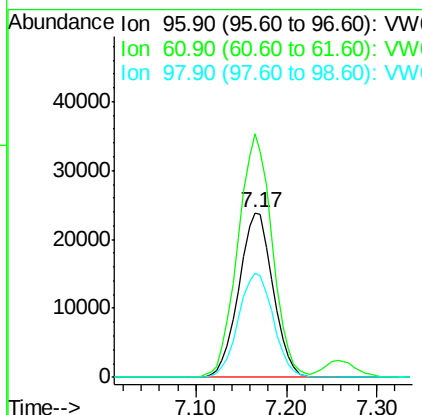
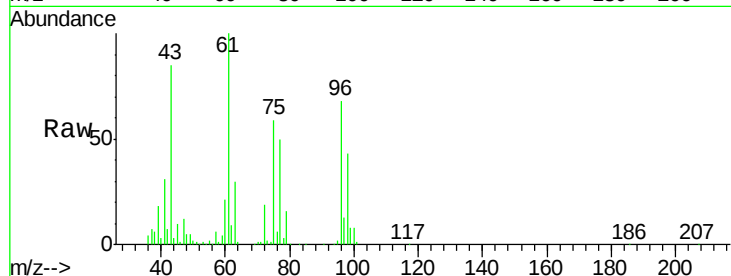


#27

cis-1,2-Dichloroethene
Concen: 22.303 ug/l
RT: 7.17 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Instrument :
MSVOA_W
ClientSampleId :

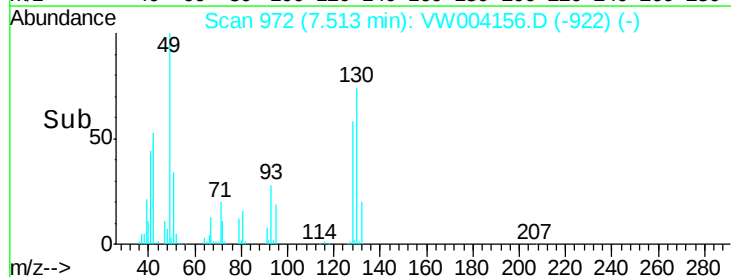
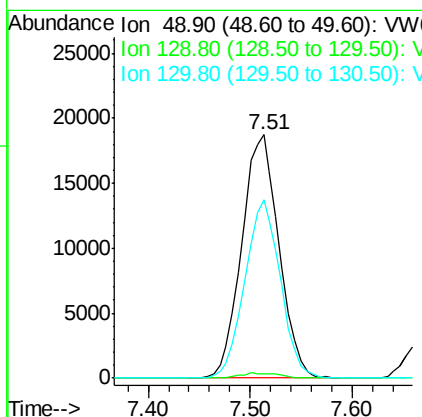
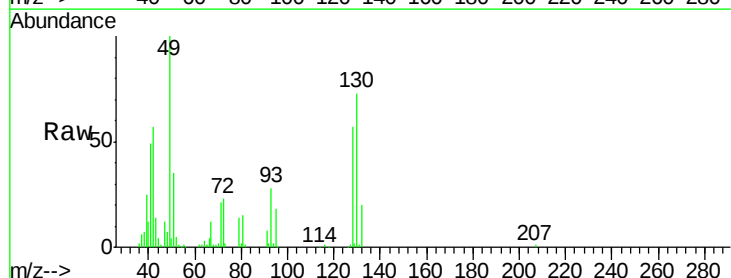
Tot Ion: 96 Resp: 62330
Ion Ratio Lower Upper
96 100
61 148.6 0.0 298.6
98 64.3 0.0 130.4

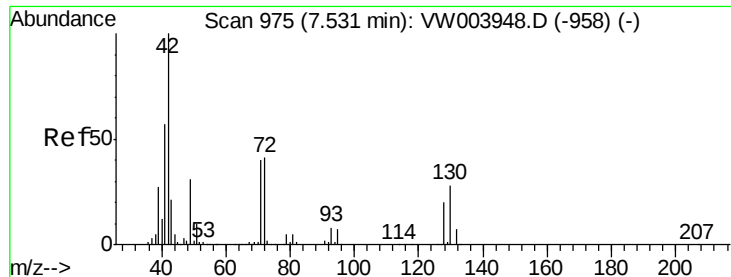


#28

Bromochloromethane
Concen: 24.088 ug/l
RT: 7.51 min Scan# 972
Delta R.T. 0.01 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Tgt Ion: 49 Resp: 47324
Ion Ratio Lower Upper
49 100
129 2.2 0.0 2.2#
130 70.1 58.3 87.5

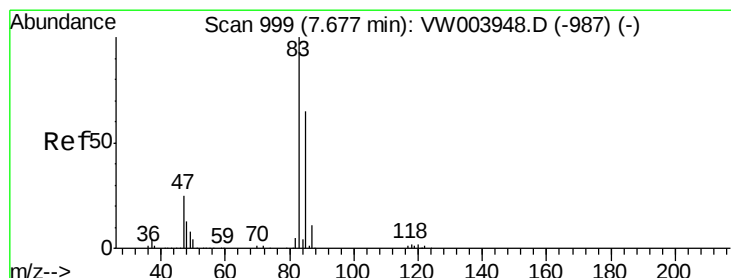
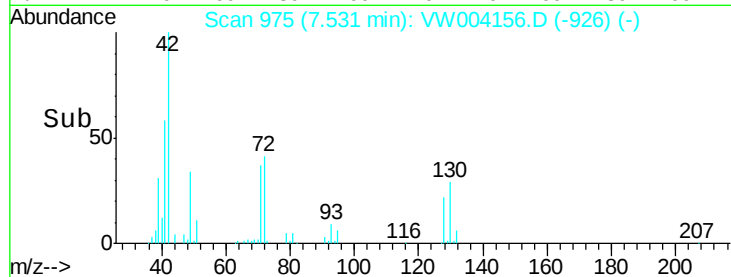
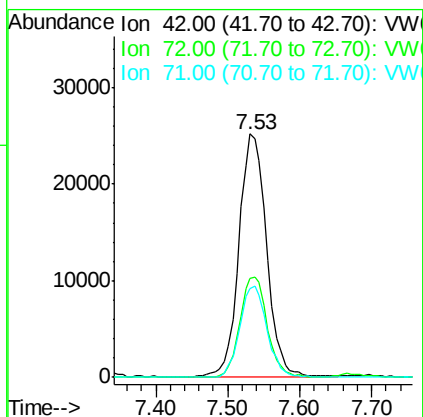
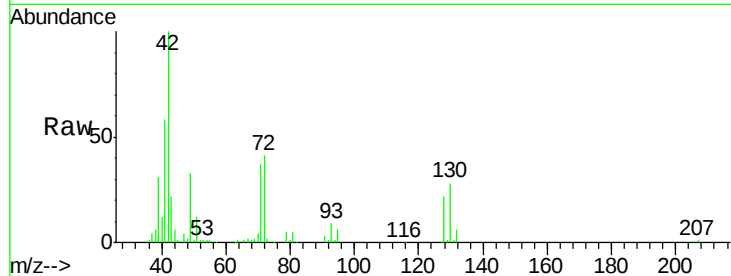




#29
Tetrahydrofuran
Concen: 123.536 ug/l
RT: 7.53 min Scan# 975
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

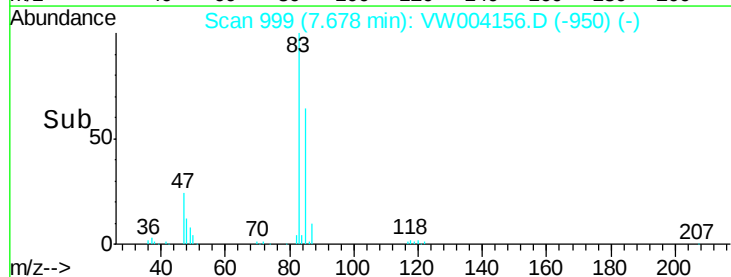
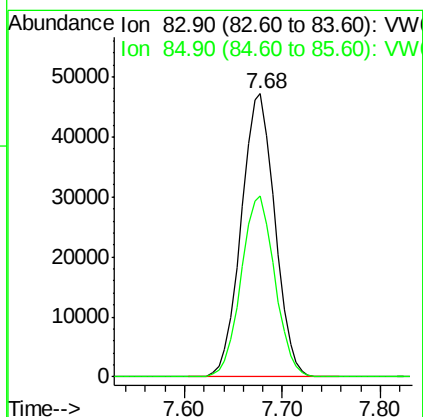
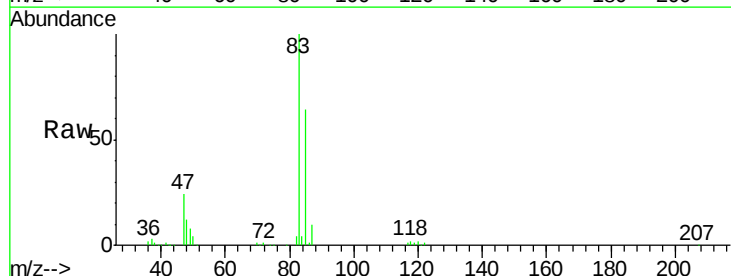
Instrument :
MSVOA_W
ClientSampled :

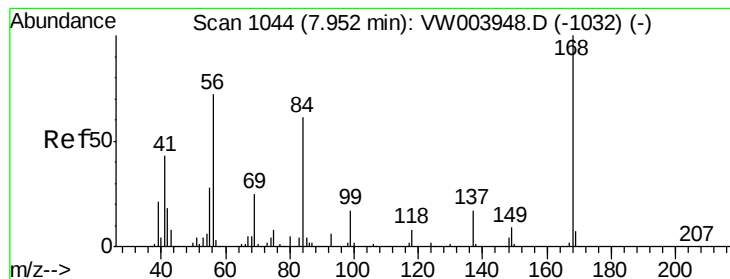
Tot Ion: 42 Resp: 67502
Ion Ratio Lower Upper
42 100
72 40.4 32.6 48.8
71 36.6 30.5 45.7



#30
Chloroform
Concen: 23.572 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Tgt Ion: 83 Resp: 112560
Ion Ratio Lower Upper
83 100
85 63.8 52.2 78.4





#31

Cyclohexane

Concen: 20.994 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

ClientSampled :

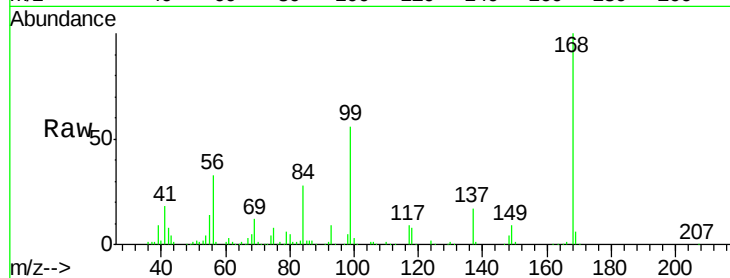
Tot Ion: 56 Resp: 94476

Ion Ratio Lower Upper

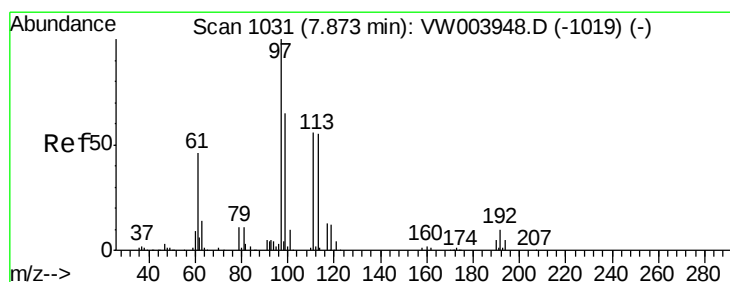
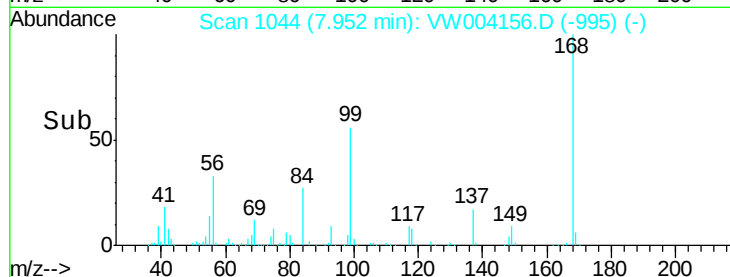
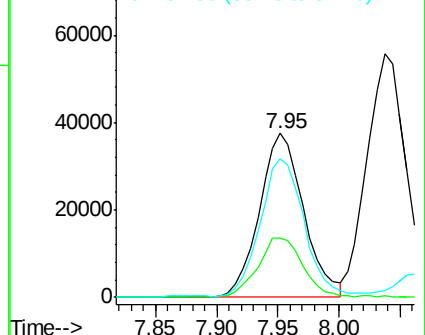
56 100

69 35.9 27.8 41.8

84 82.9 67.2 100.8



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 22.144 ug/l

RT: 7.87 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

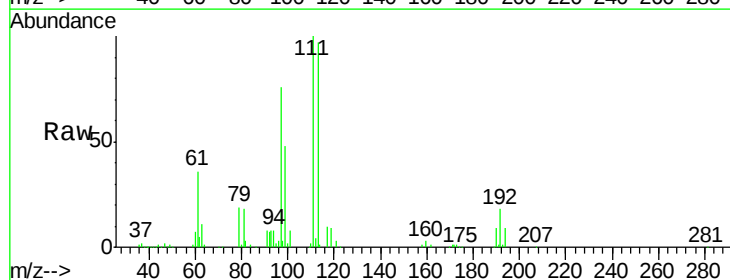
Tgt Ion: 97 Resp: 82574

Ion Ratio Lower Upper

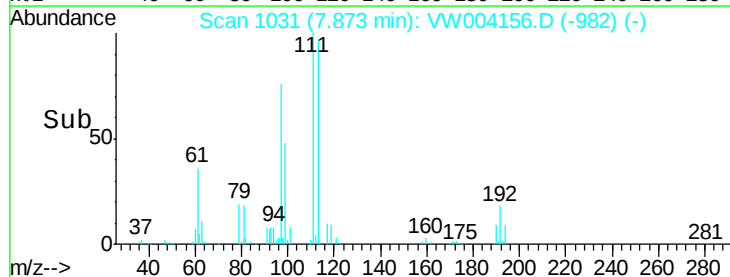
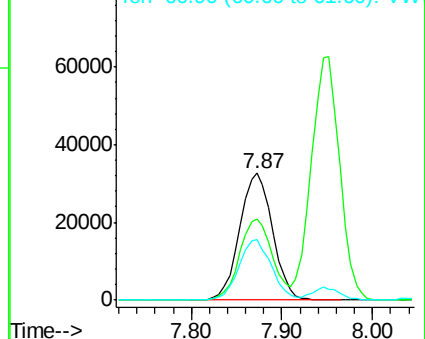
97 100

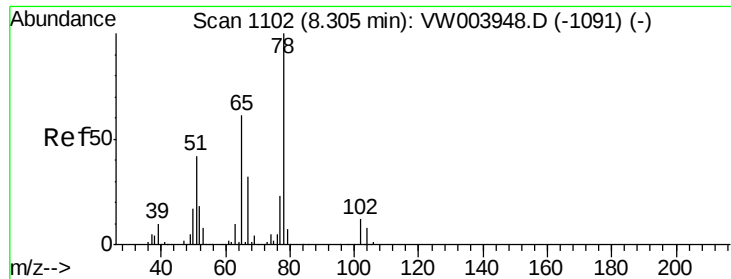
99 64.6 51.3 76.9

61 47.3 36.8 55.2



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

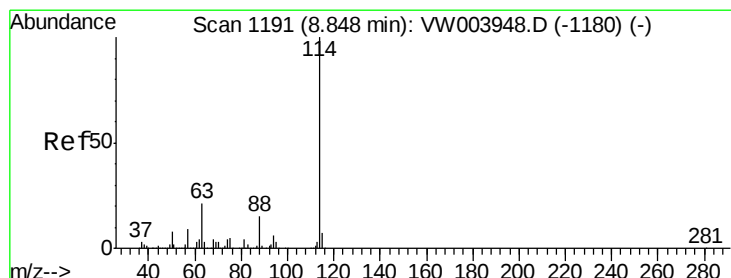
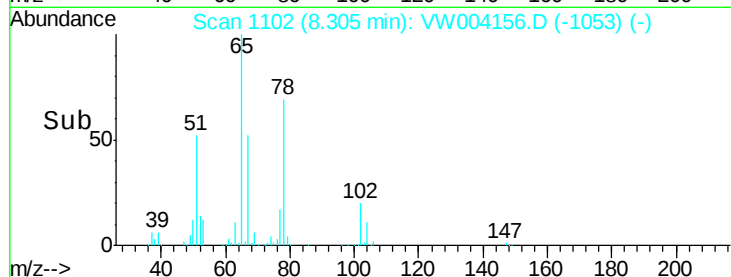
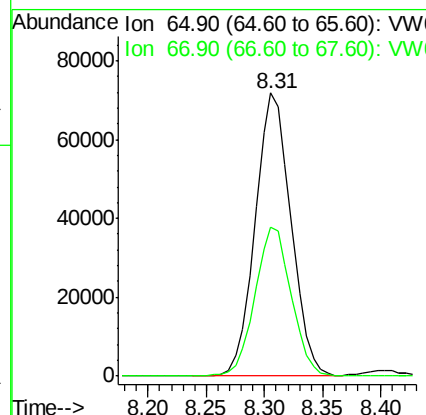
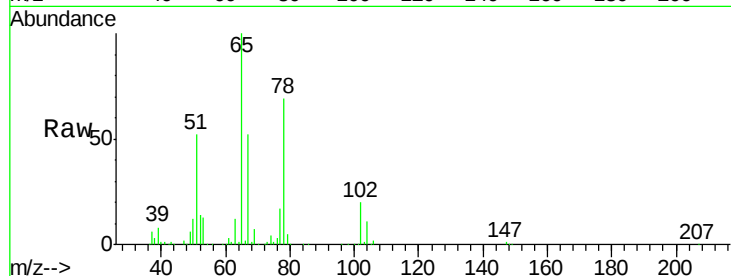




#33
 1,2-Dichloroethane-d4
 Concen: 56.488 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW004156.D
 Acq: 24 Jul 2018 01:09

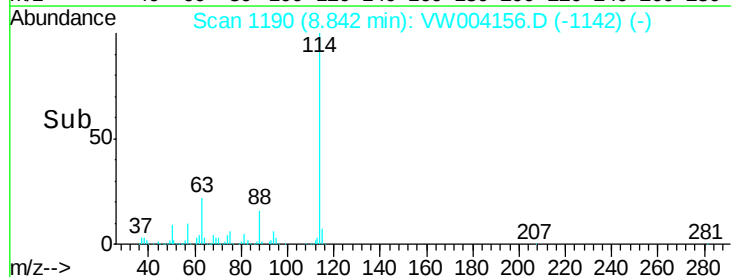
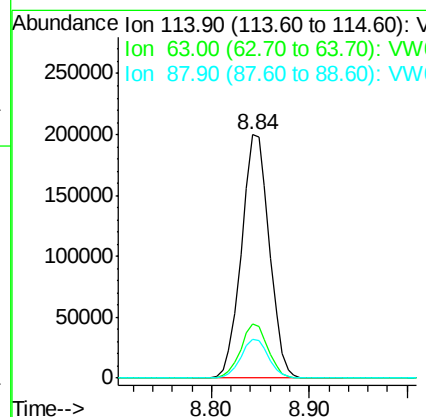
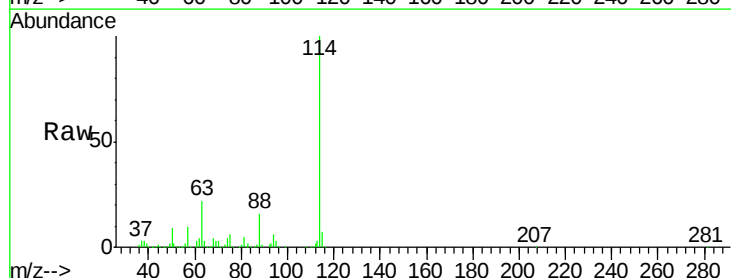
Instrument :
 MSVOA_W
 ClientSampleId :

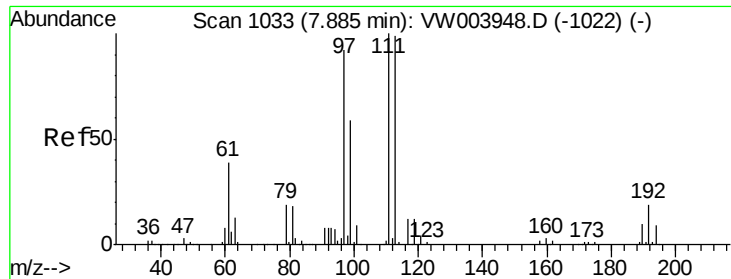
Tot Ion: 65 Resp: 153234
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VW004156.D
 Acq: 24 Jul 2018 01:09

Tgt Ion: 114 Resp: 394367
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 42.8
 88 16.0 0.0 30.4

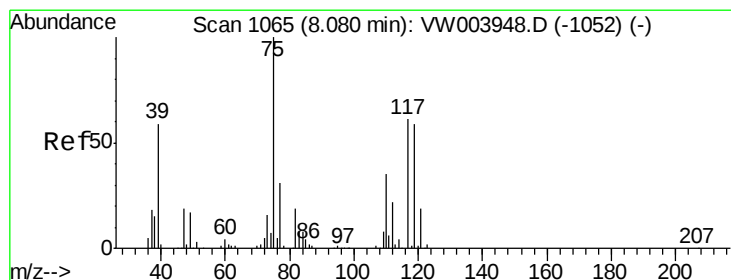
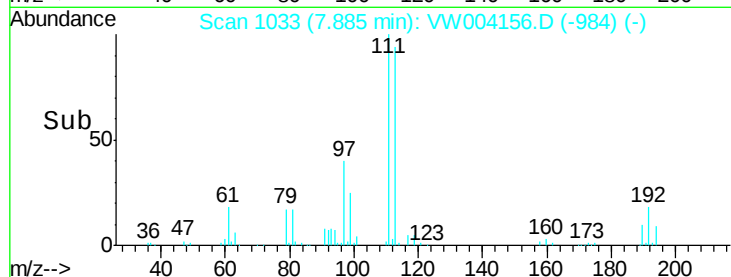
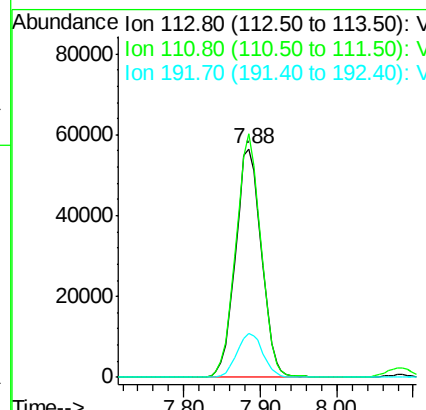
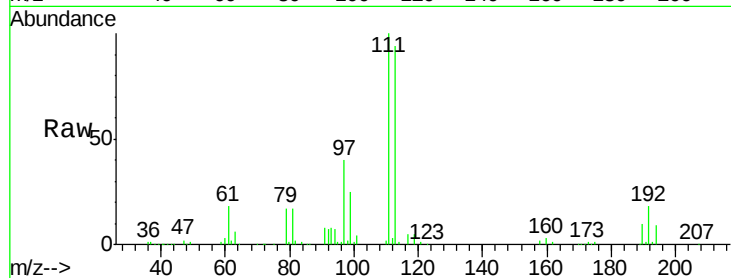




#35
 Dibromofluoromethane
 Concen: 52.547 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004156.D
 Acq: 24 Jul 2018 01:09

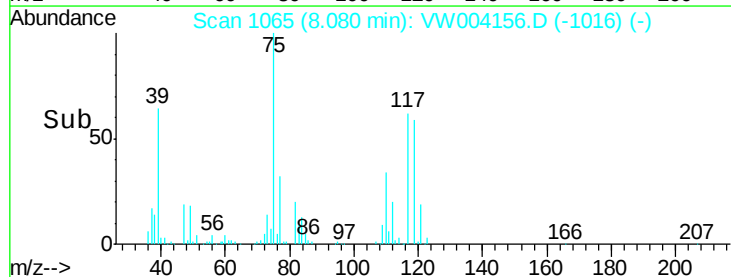
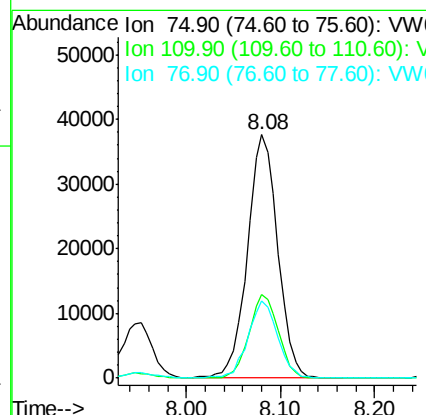
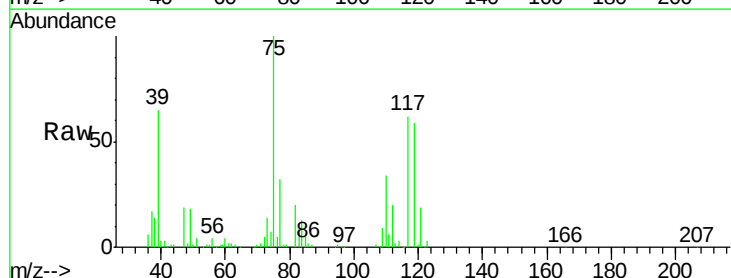
Instrument :
 MSVOA_W
 ClientSampleId :

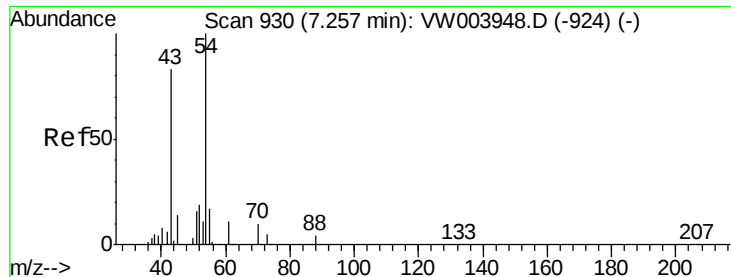
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.3	121.9
192	19.2	15.8	23.6



#36
 1,1-Dichloropropene
 Concen: 20.902 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW004156.D
 Acq: 24 Jul 2018 01:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.2	17.0	51.0
77	31.2	24.9	37.3

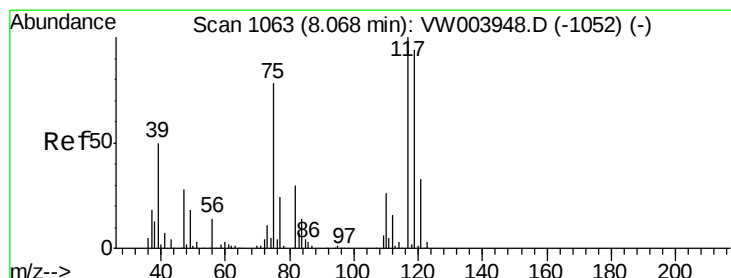
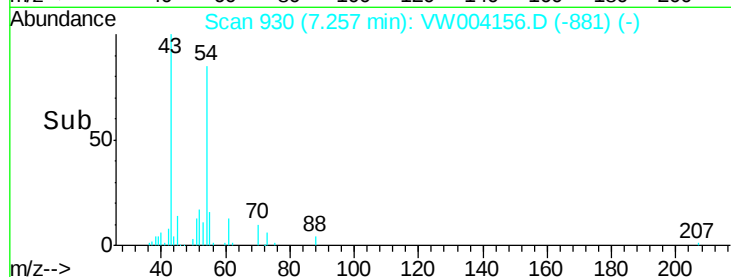
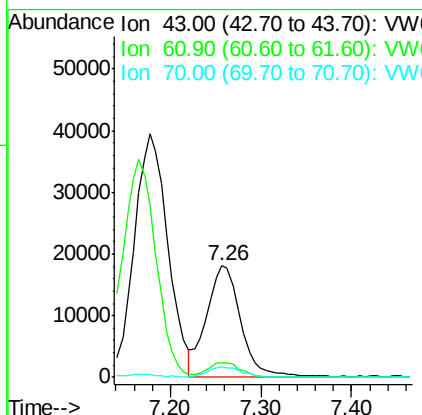
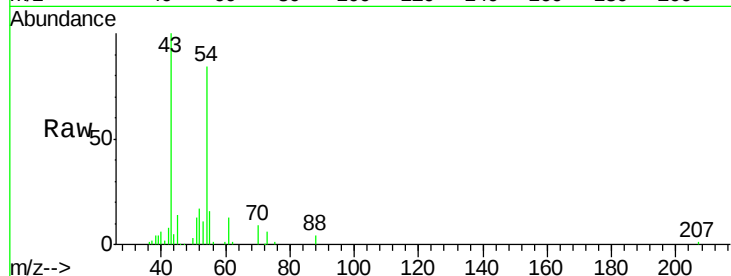




#37
Ethyl Acetate
Concen: 24.128 ug/l
RT: 7.26 min Scan# 930
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

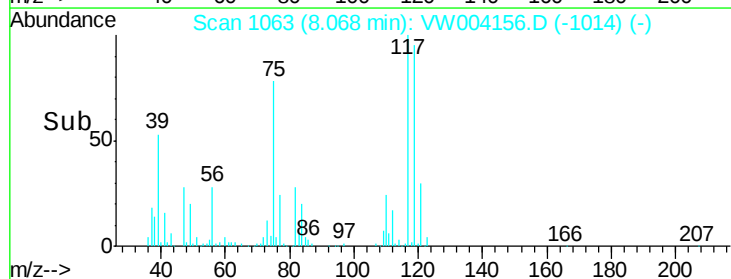
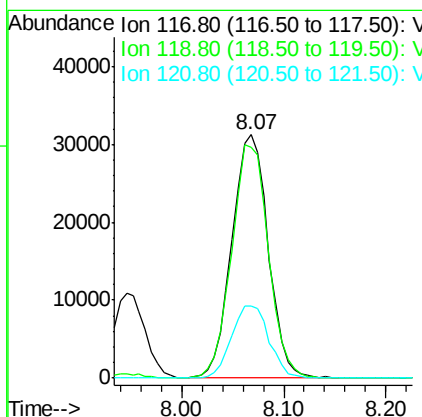
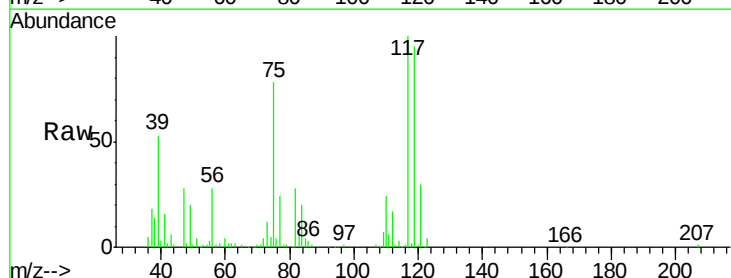
Instrument :
MSVOA_W
ClientSampled :

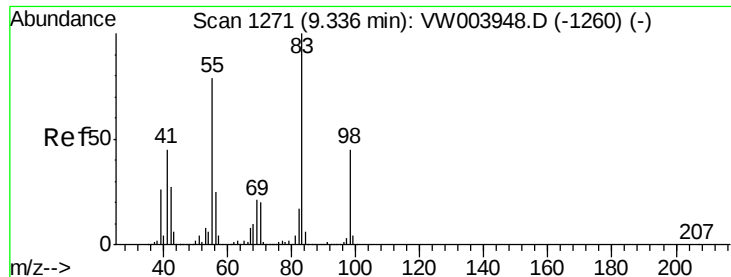
Tot Ion: 43 Resp: 47221
Ion Ratio Lower Upper
43 100
61 13.0 10.7 16.1
70 9.7 7.7 11.5



#38
Carbon Tetrachloride
Concen: 20.358 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Tgt Ion: 117 Resp: 77180
Ion Ratio Lower Upper
117 100
119 94.6 75.3 112.9
121 29.7 26.0 39.0

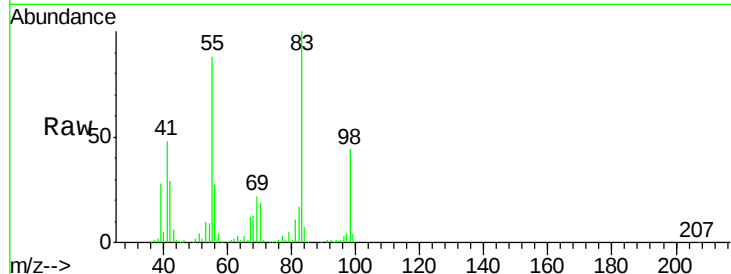




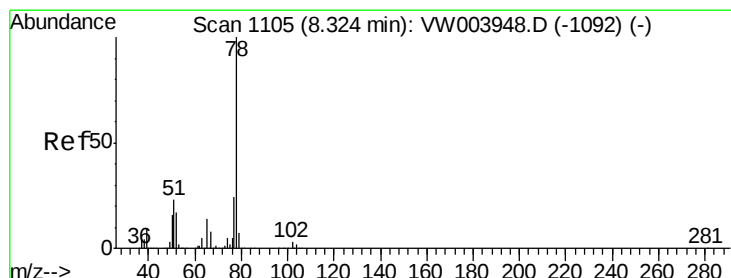
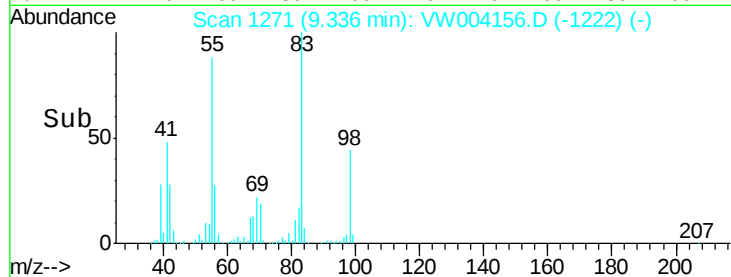
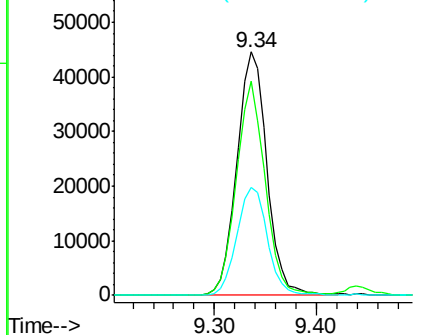
#39
Methvlcvclohexane
Concen: 19.154 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	83	Resp	91019
Ion Ratio	Lower	Upper	
83	100		
55	88.1	62.8	94.2
98	44.3	36.2	54.4

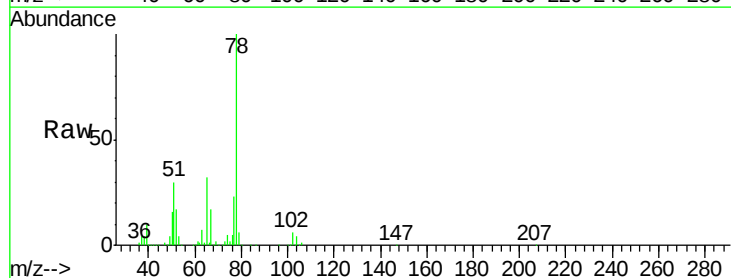


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

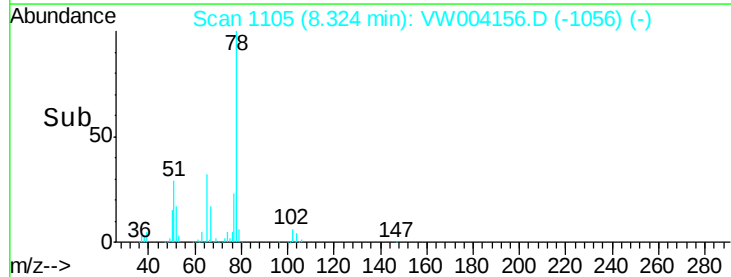
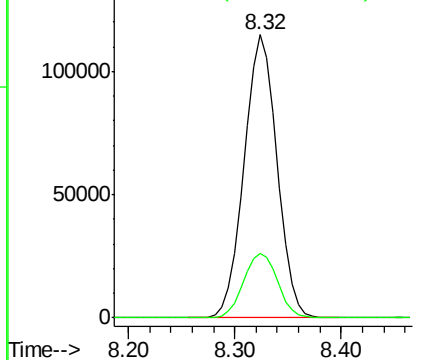


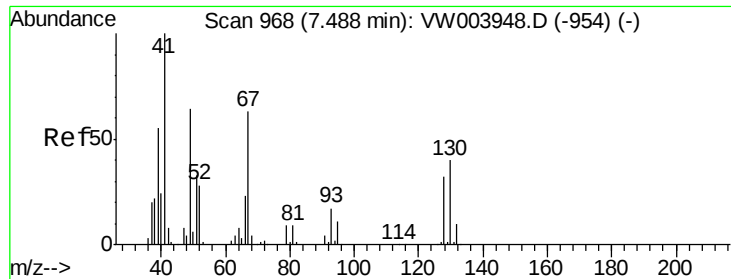
#40
Benzene
Concen: 22.189 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Tgt Ion	78	Resp	249774
Ion Ratio	Lower	Upper	
78	100		
77	22.8	19.5	29.3



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

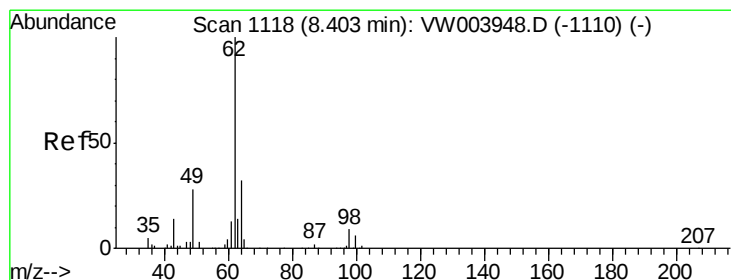
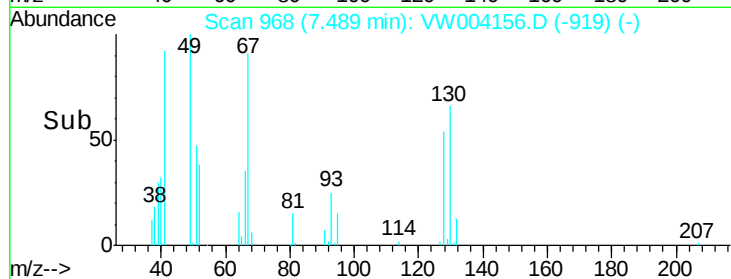
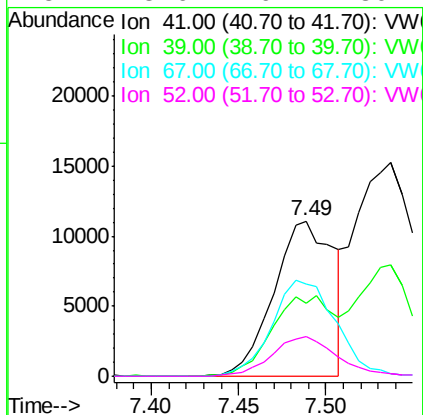
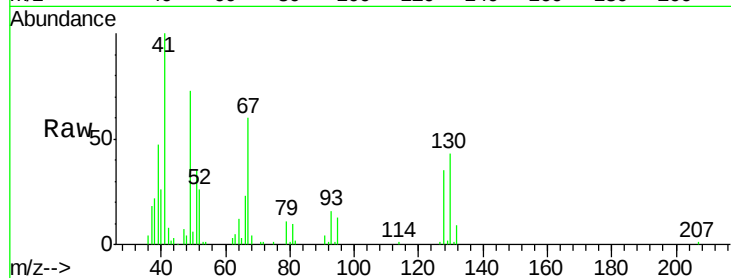




#41
Methacrylonitrile
Concen: 24.427 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

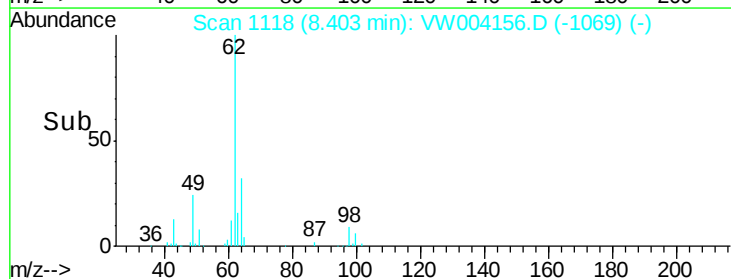
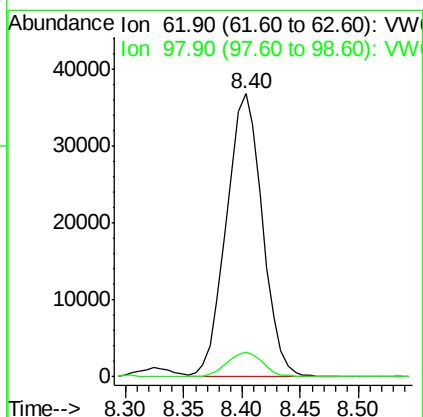
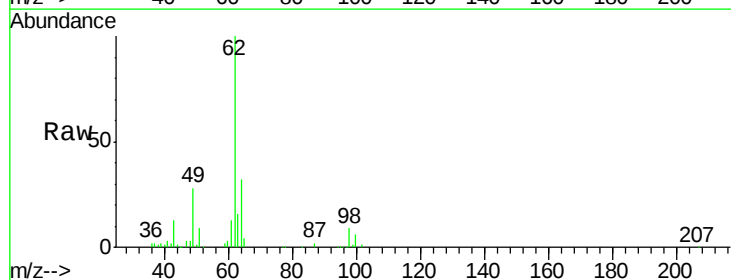
Instrument :
MSVOA_W
ClientSampleId :

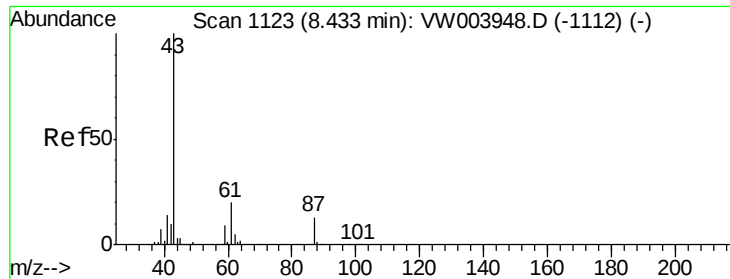
Tot Ion:	41	Resp:	26489
Ion	Ratio	Lower	Upper
41	100		
39	53.4	50.0	75.0
67	66.0	60.8	91.2
52	28.6	26.2	39.4



#42
1,2-Dichloroethane
Concen: 23.086 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Tgt Ion:	62	Resp:	79282
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.4





#43

Isopropyl Acetate

Concen: 22.997 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

ClientSampled :

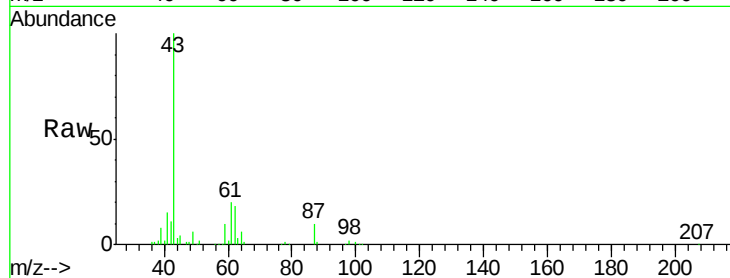
Tot Ion: 43 Resp: 84176

Ion Ratio Lower Upper

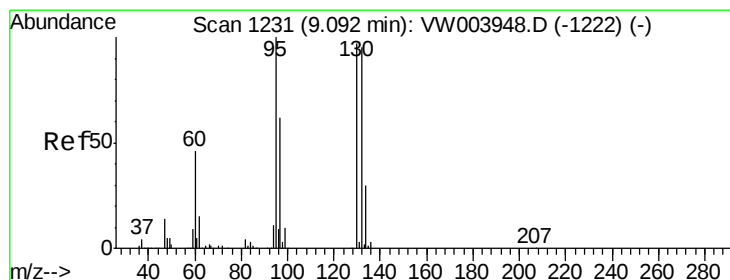
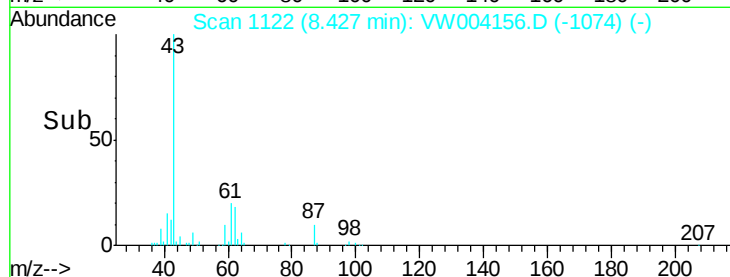
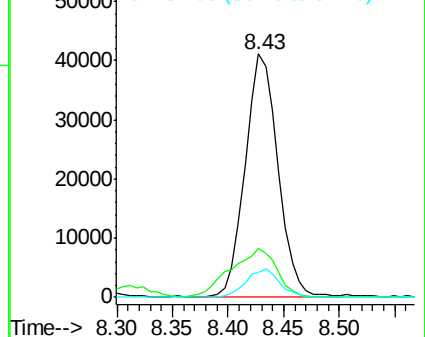
43 100

61 28.4 23.0 34.6

87 12.1 9.9 14.9



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: 21.127 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW004156.D

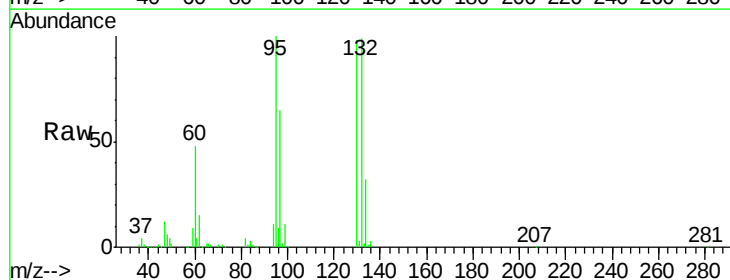
Acq: 24 Jul 2018 01:09

Tgt Ion:130 Resp: 61648

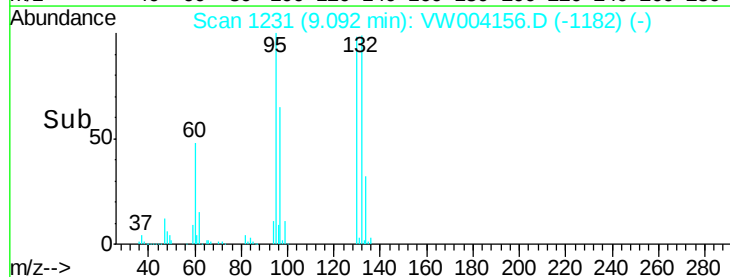
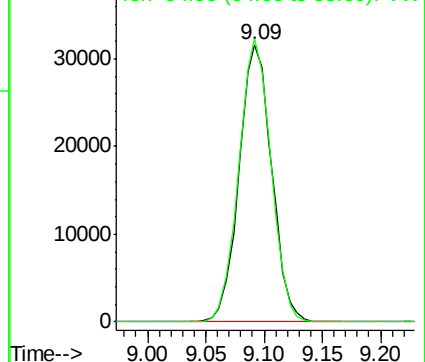
Ion Ratio Lower Upper

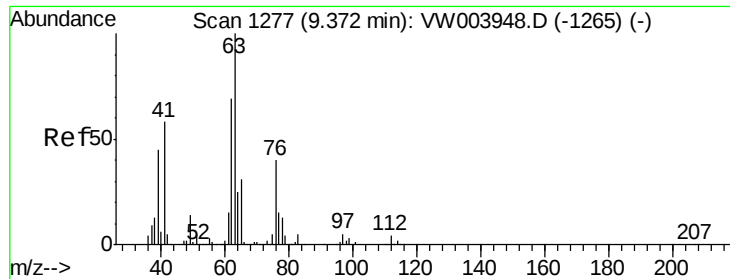
130 100

95 102.0 0.0 206.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

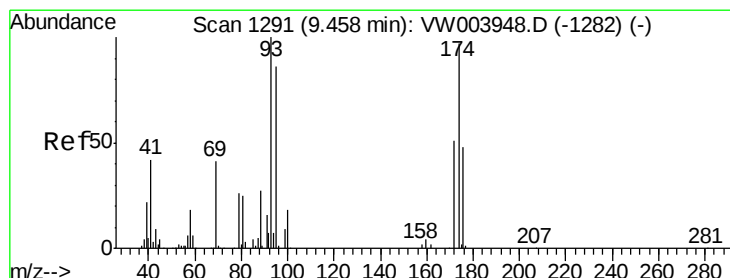
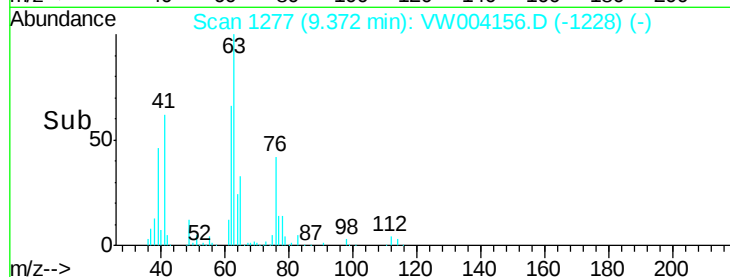
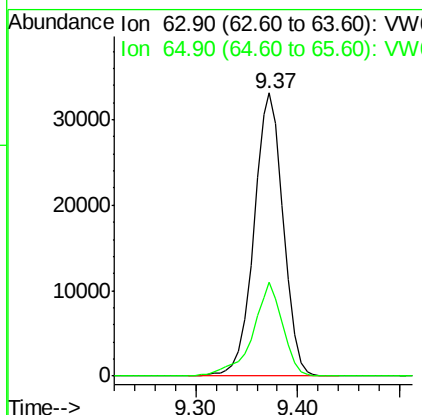
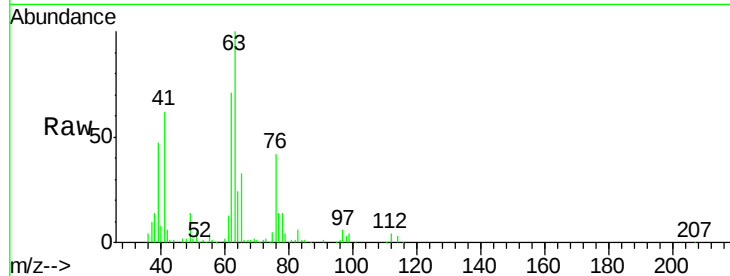




#45
 1,2-Dichloropropane
 Concen: 22.976 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004156.D
 Acq: 24 Jul 2018 01:09

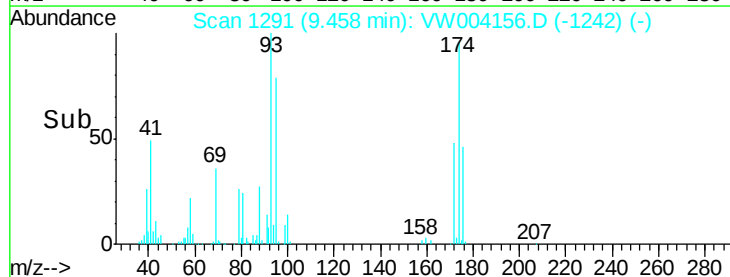
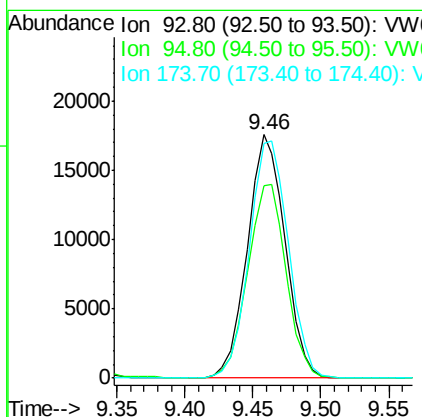
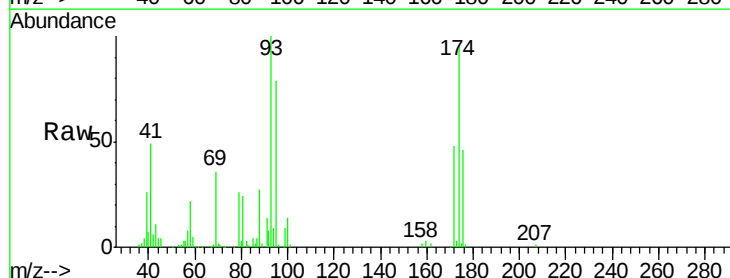
Instrument :
 MSVOA_W
 ClientSampleId :

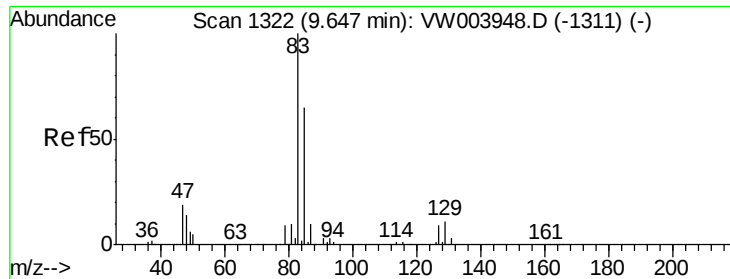
Tot Ion: 63 Resp: 66013
 Ion Ratio Lower Upper
 63 100
 65 33.2 24.8 37.2



#46
 Dibromomethane
 Concen: 22.796 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VW004156.D
 Acq: 24 Jul 2018 01:09

Tgt Ion: 93 Resp: 33986
 Ion Ratio Lower Upper
 93 100
 95 81.4 66.9 100.3
 174 101.2 80.2 120.2





#47

Bromodichloromethane

Concen: 22.225 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

ClientSampled :

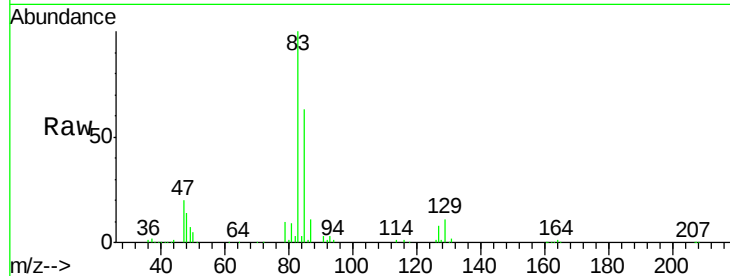
Tot Ion: 83 Resp: 81686

Ion Ratio Lower Upper

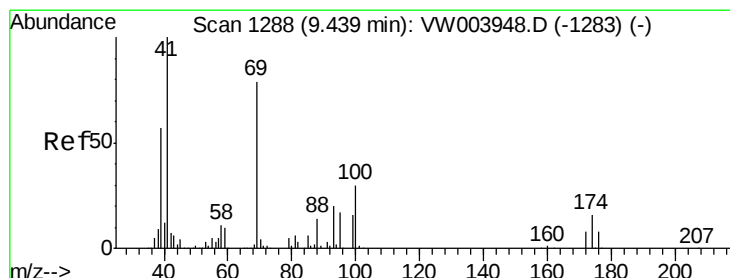
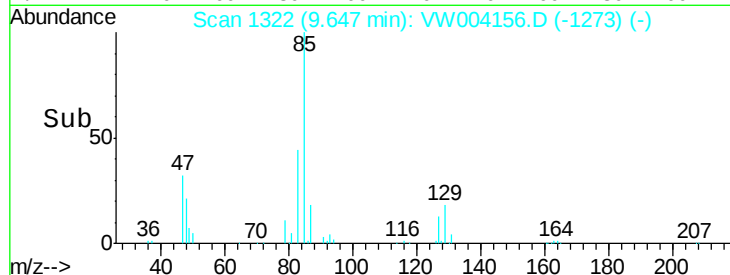
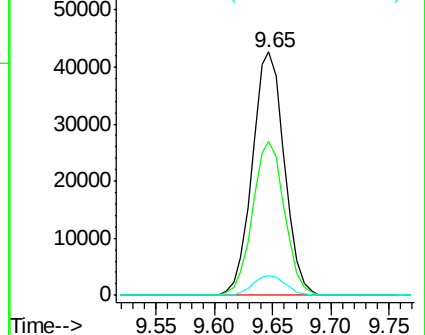
83 100

85 63.4 52.2 78.2

127 8.3 7.0 10.4



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: 24.584 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

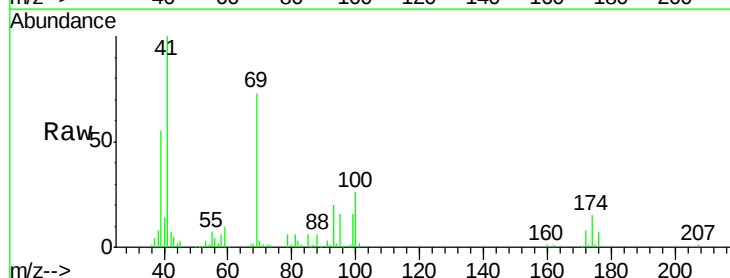
Tgt Ion: 41 Resp: 43519

Ion Ratio Lower Upper

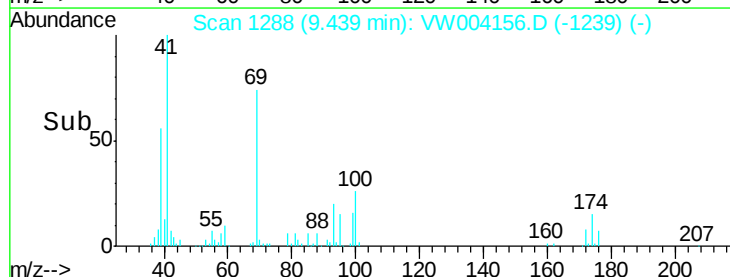
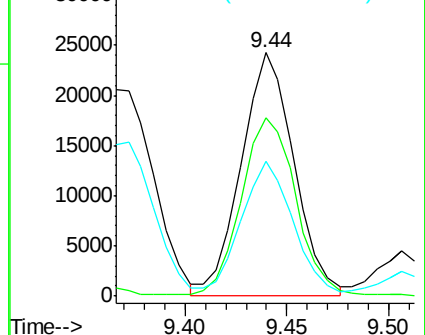
41 100

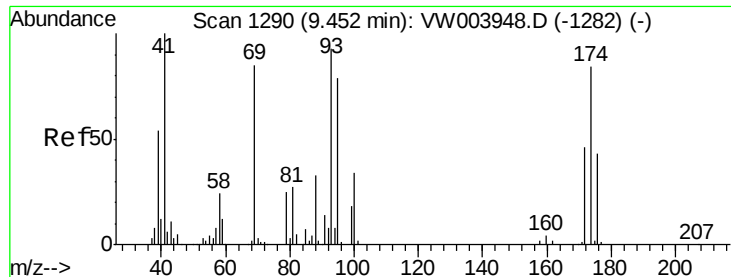
69 76.8 67.0 100.6

39 54.7 48.8 73.2



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

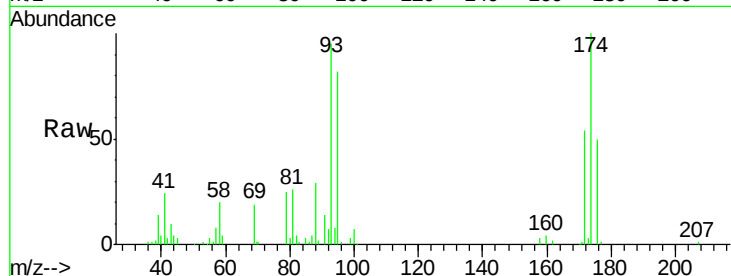




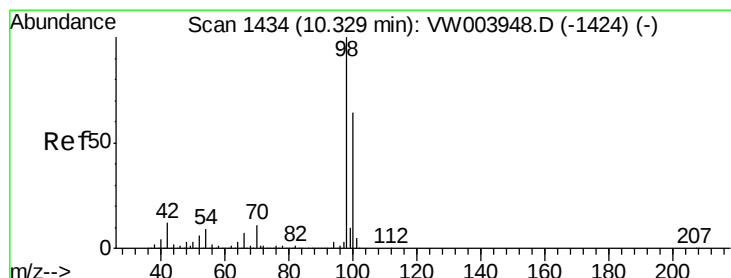
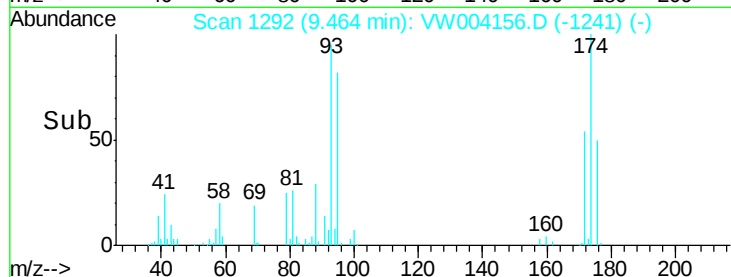
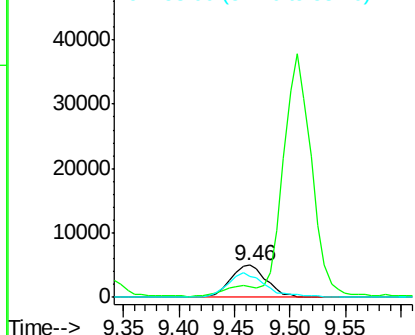
#49
1,4-Dioxane
Concen: 491.471 ug/l
RT: 9.46 min Scan# 1292
Delta R.T. 0.01 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 11263
Ion Ratio Lower Upper
88 100
43 31.1 27.3 40.9
58 80.2 61.1 91.7

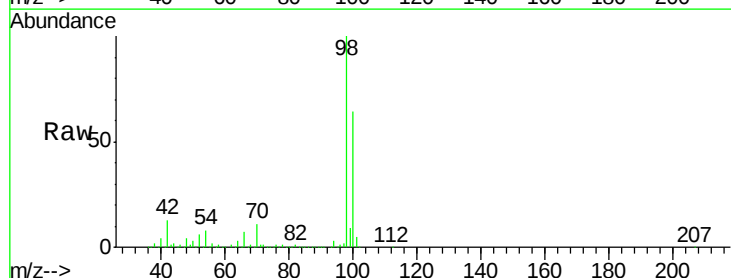


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

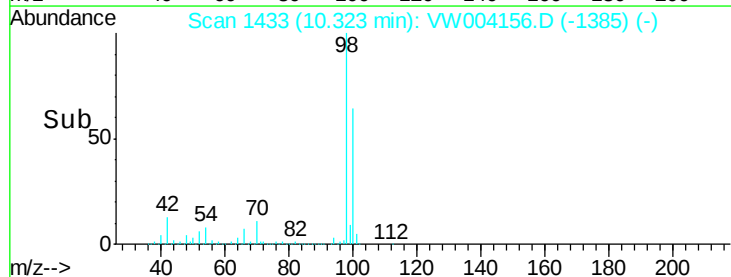
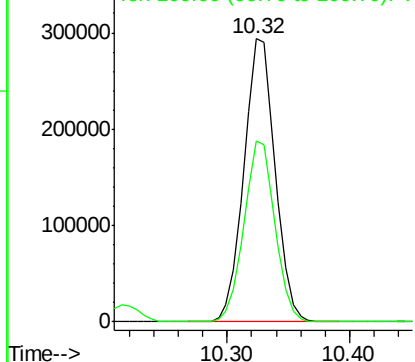


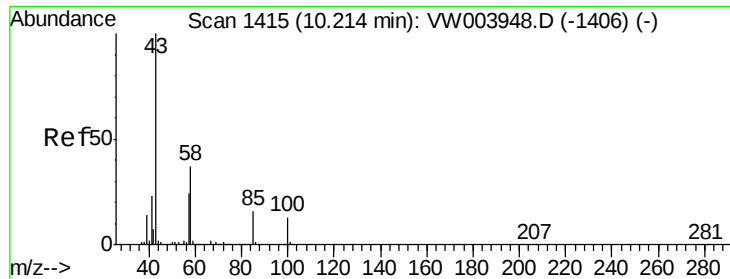
#50
Toluene-d8
Concen: 53.009 ug/l
RT: 10.32 min Scan# 1433
Delta R.T. -0.01 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Tgt Ion: 98 Resp: 520466
Ion Ratio Lower Upper
98 100
100 63.4 51.2 76.8



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





#51

4-Methyl-2-Pentanone

Concen: 118.707 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

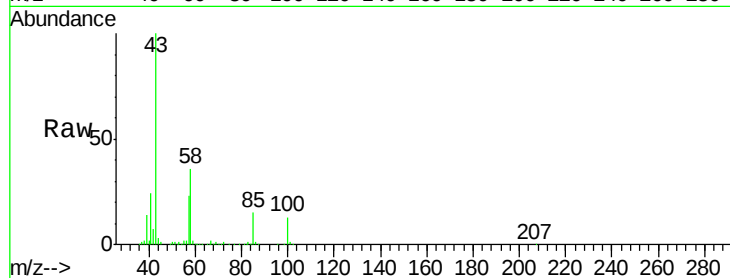
ClientSampled :

Tot Ion: 43 Resp: 231492

Ion Ratio Lower Upper

43 100

58 36.7 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

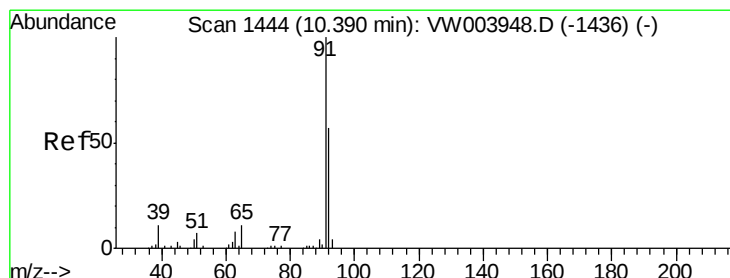
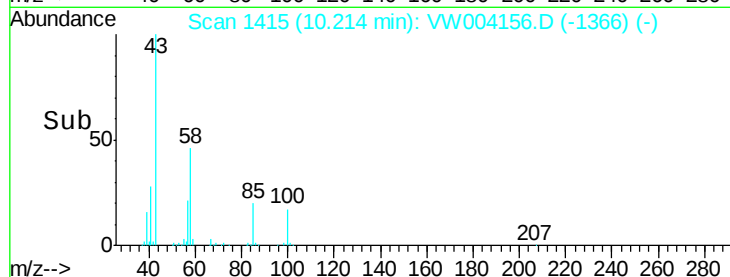
150000

100000

50000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 22.053 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004156.D

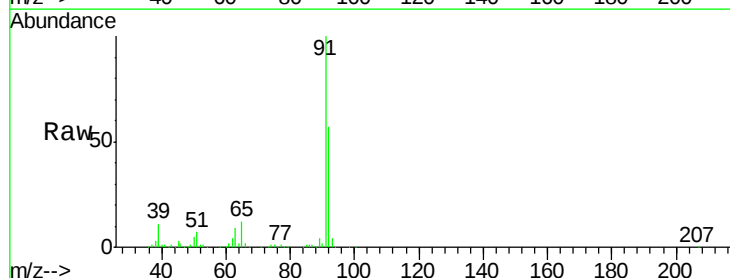
Acq: 24 Jul 2018 01:09

Tgt Ion: 92 Resp: 153509

Ion Ratio Lower Upper

92 100

91 176.2 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.39

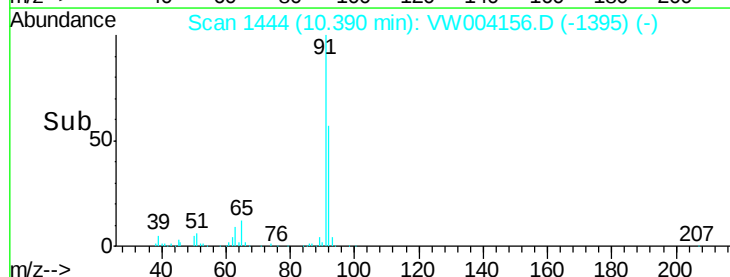
150000

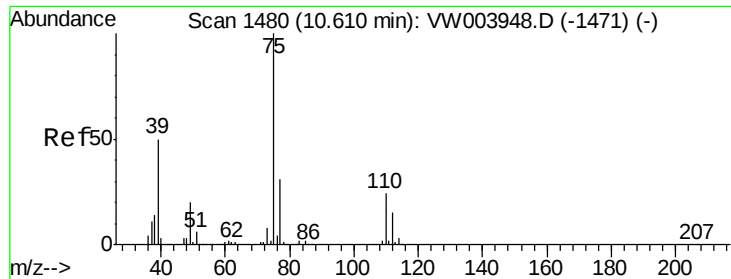
100000

50000

0

Time--> 10.30 10.40





#53

t-1,3-Dichloropropene

Concen: 20.775 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

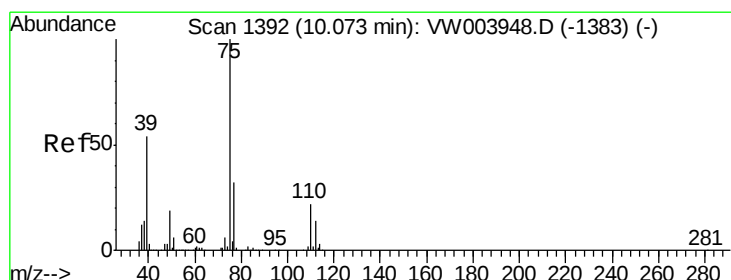
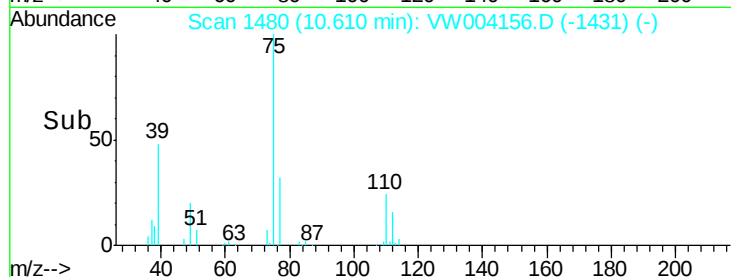
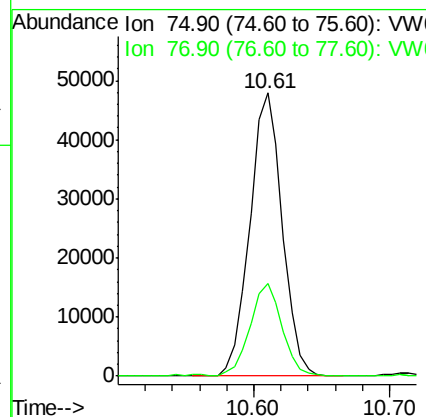
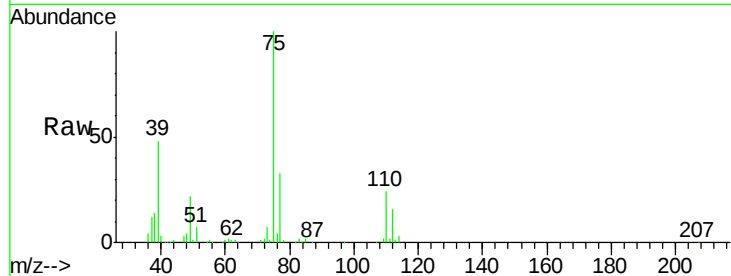
ClientSampleId :

Tot Ion: 75 Resp: 79846

Ion Ratio Lower Upper

75 100

77 32.2 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 20.735 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

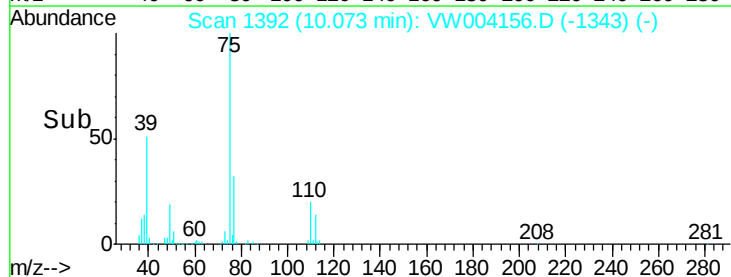
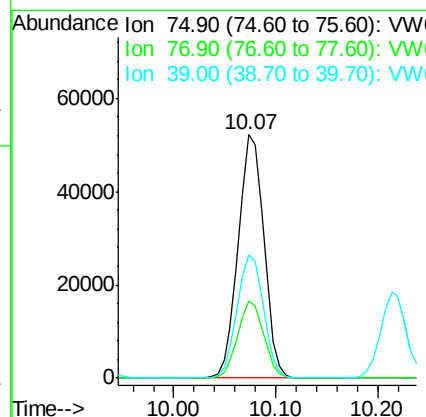
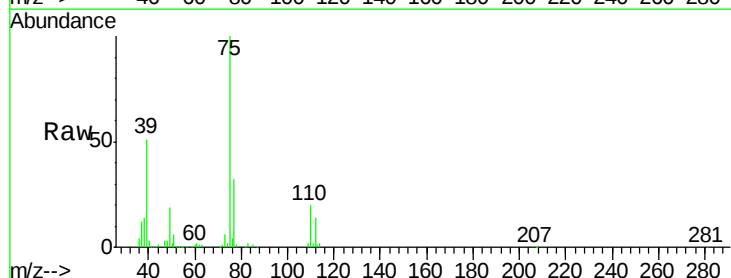
Tgt Ion: 75 Resp: 91165

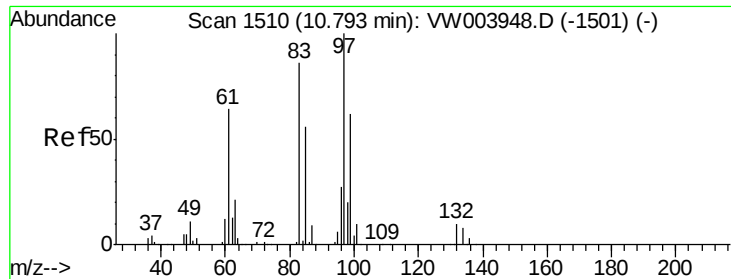
Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.2

39 50.7 43.0 64.6

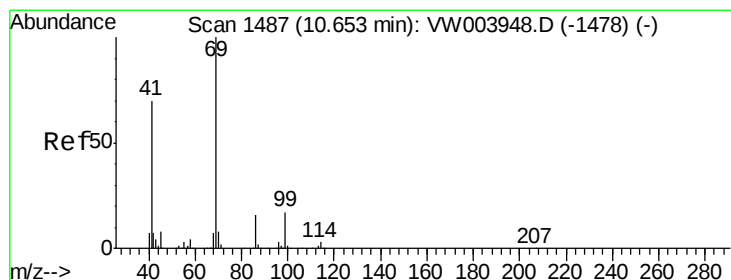
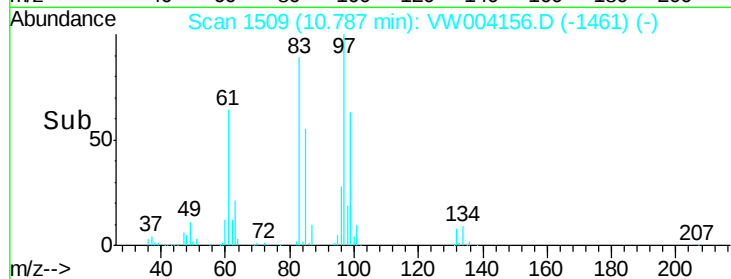
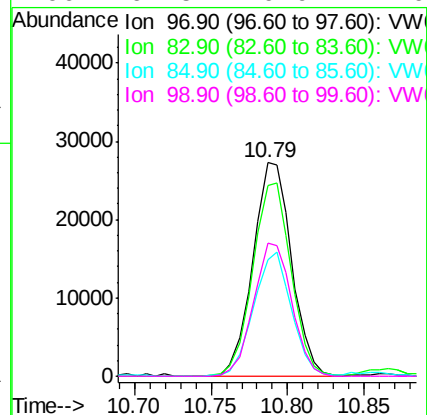
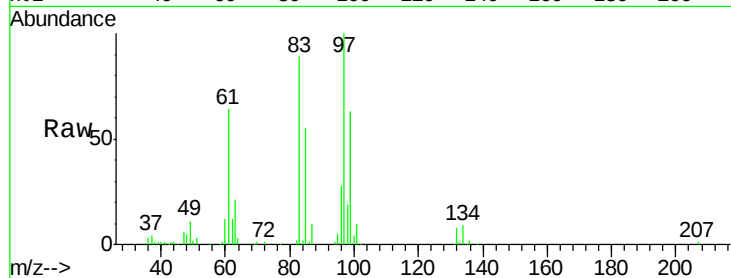




#55
 1,1,2-Trichloroethane
 Concen: 22.933 ug/l
 RT: 10.79 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VW004156.D
 Acq: 24 Jul 2018 01:09

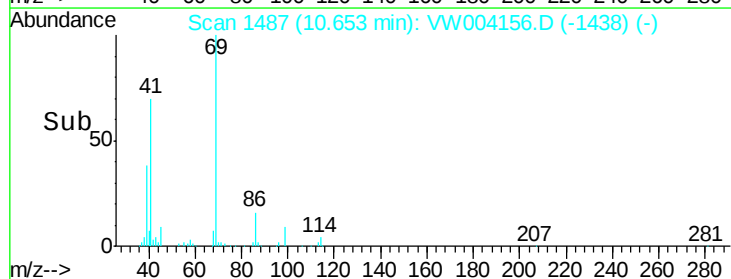
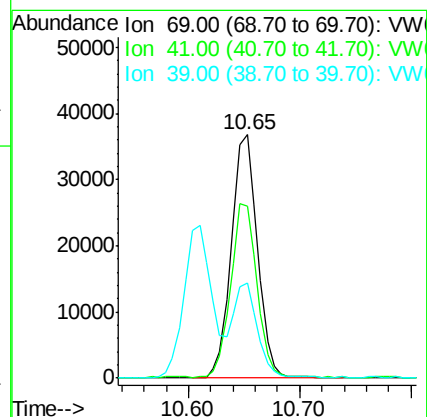
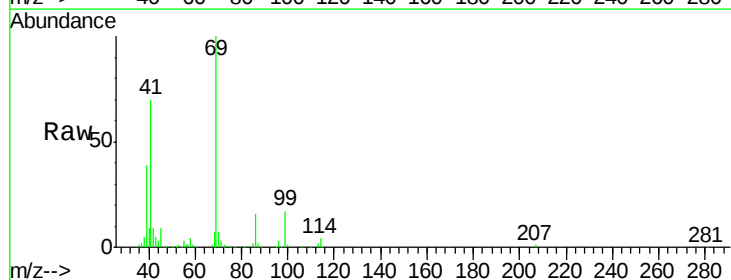
Instrument :
 MSVOA_W
 ClientSampleId :

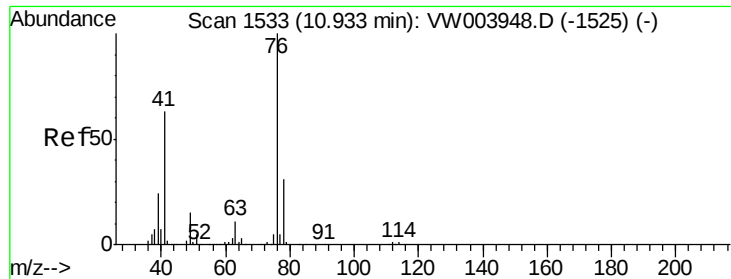
Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		48085		
83	89.5	69.0	103.4		
85	54.8	45.0	67.6		
99	62.5	49.9	74.9		



#56
 Ethyl methacrylate
 Concen: 21.735 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW004156.D
 Acq: 24 Jul 2018 01:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		59879		
41	71.5	56.5	84.7		
39	34.2	30.2	45.4		





#57

1,3-Dichloropropane

Concen: 23.145 ug/l

RT: 10.93 min Scan# 1533

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

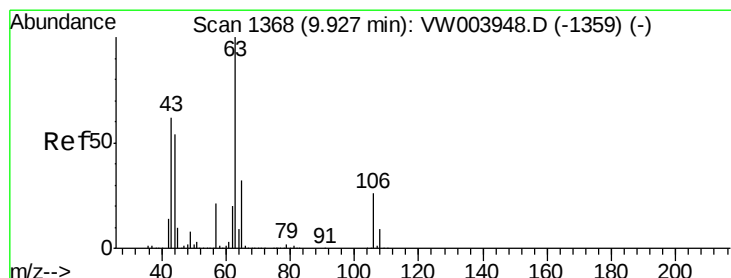
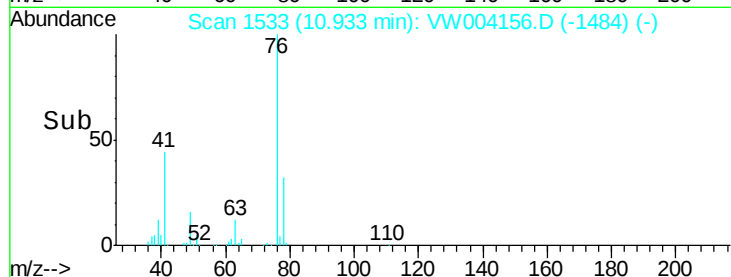
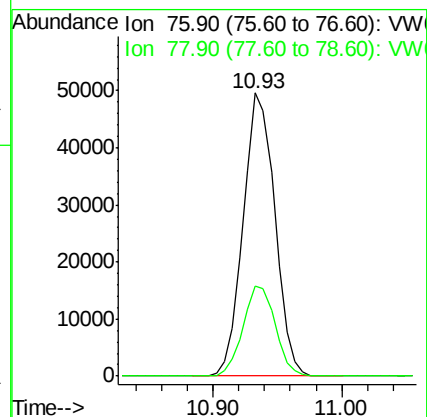
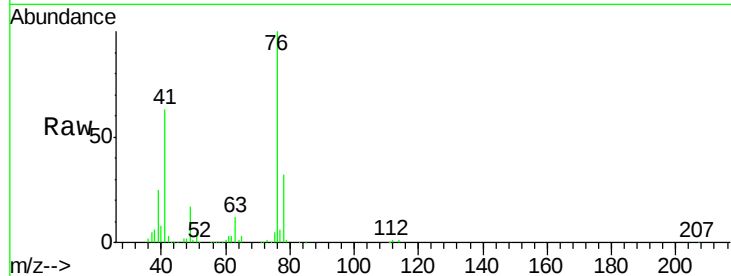
ClientSampled :

Tot Ion: 76 Resp: 84318

Ion Ratio Lower Upper

76 100

78 32.5 25.2 37.8



#58

2-Chloroethyl Vinyl ether

Concen: 121.787 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VW004156.D

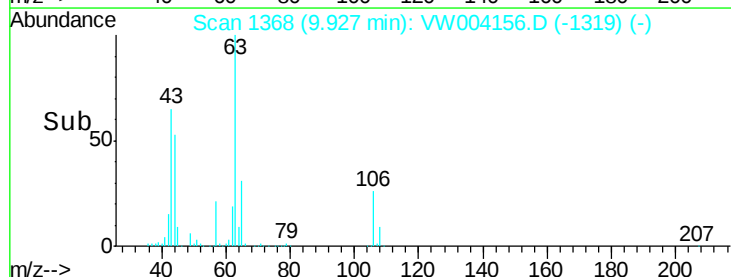
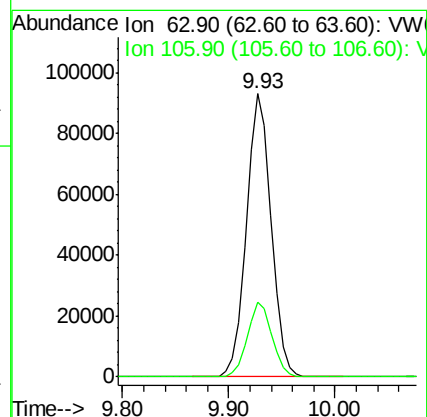
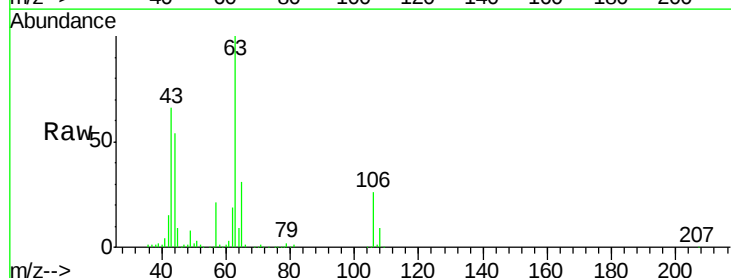
Acq: 24 Jul 2018 01:09

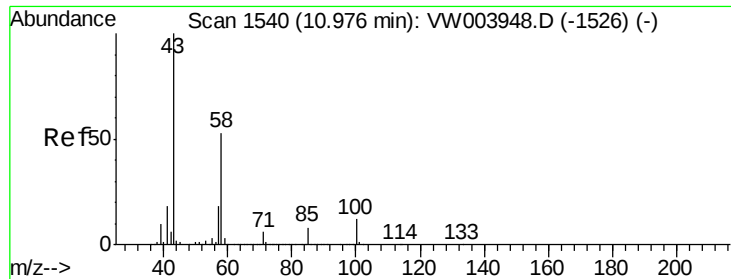
Tgt Ion: 63 Resp: 151490

Ion Ratio Lower Upper

63 100

106 26.2 21.2 31.8

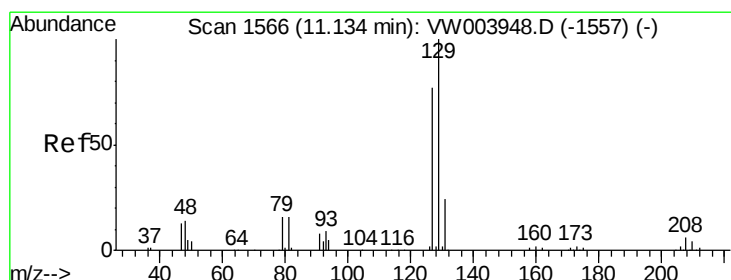
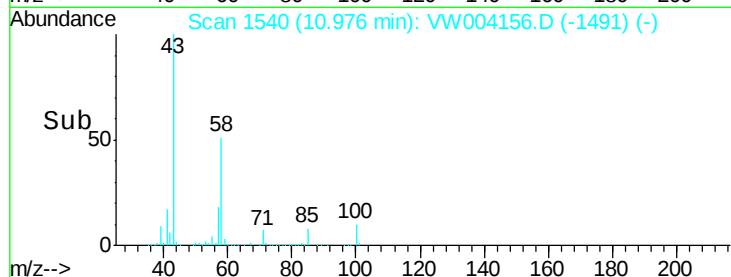
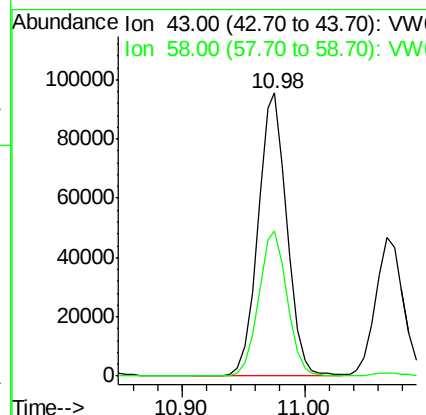
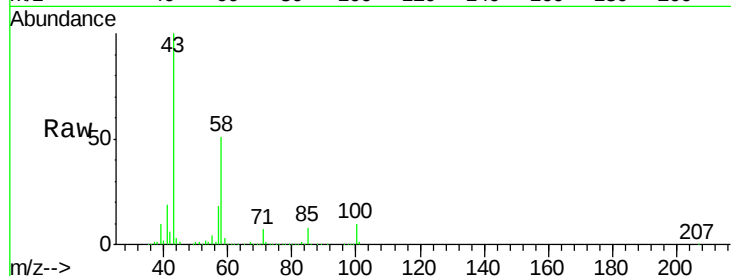




#59
2-Hexanone
Concen: 113.330 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

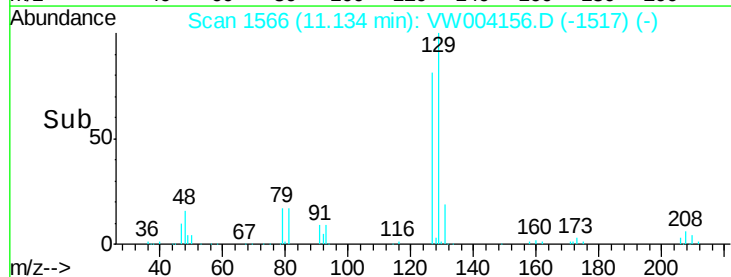
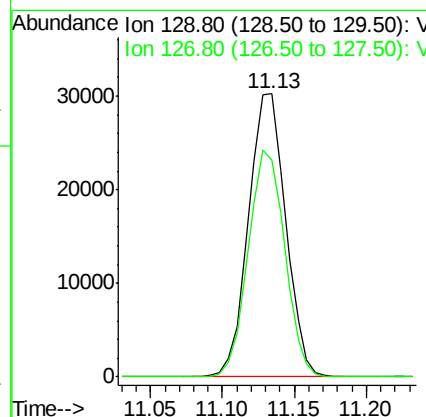
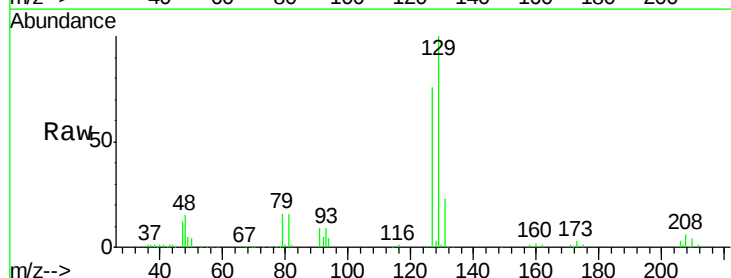
Instrument :
MSVOA_W
ClientSampleId :

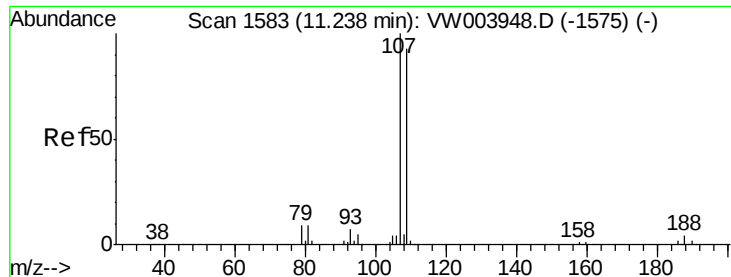
Tot Ion: 43 Resp: 155769
Ion Ratio Lower Upper
43 100
58 51.1 26.0 78.0



#60
Dibromochloromethane
Concen: 22.139 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Tgt Ion: 129 Resp: 54061
Ion Ratio Lower Upper
129 100
127 78.5 39.1 117.3





#61

1,2-Dibromoethane

Concen: 23.530 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

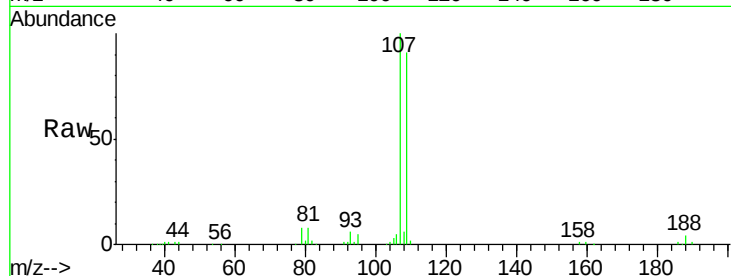
ClientSampleId :

Tot Ion:107 Resp: 46945

Ion Ratio Lower Upper

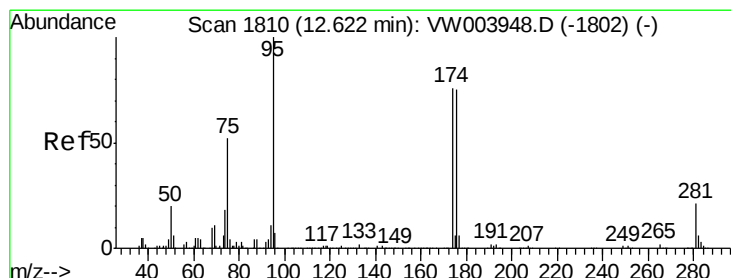
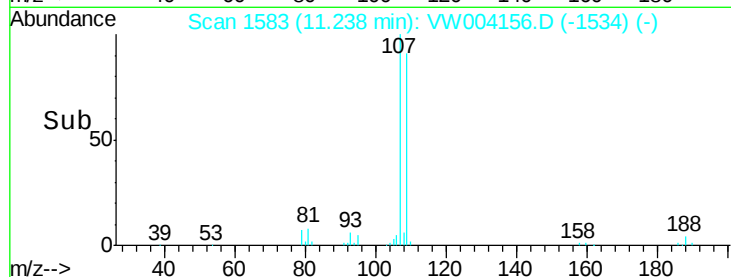
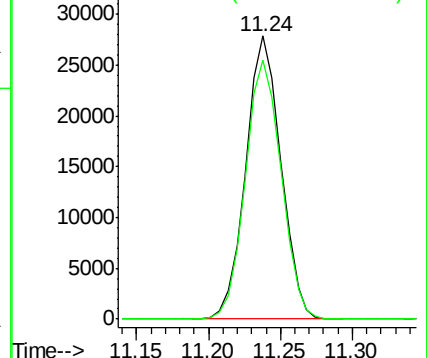
107 100

109 93.3 74.3 111.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.258 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

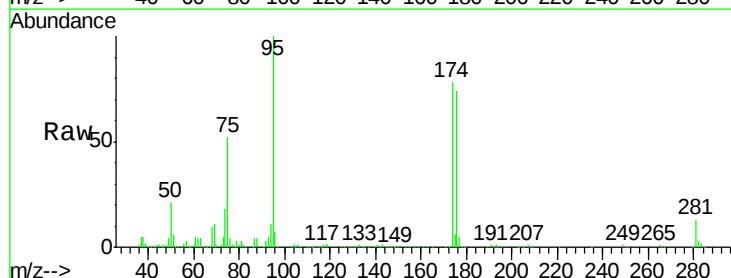
Tgt Ion: 95 Resp: 185022

Ion Ratio Lower Upper

95 100

174 80.2 0.0 160.2

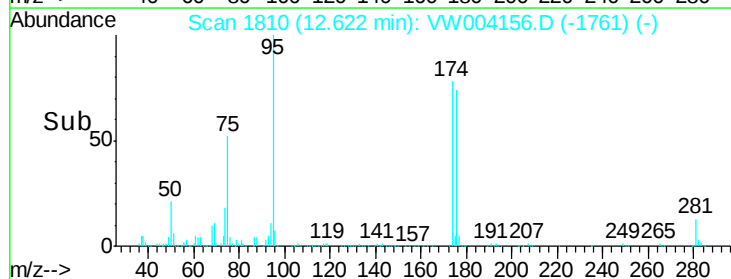
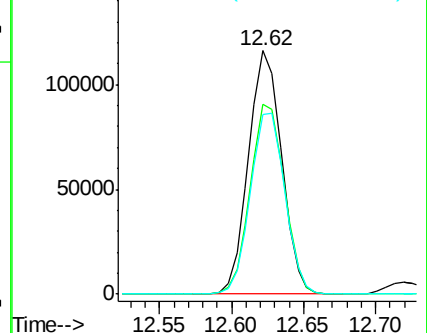
176 77.2 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

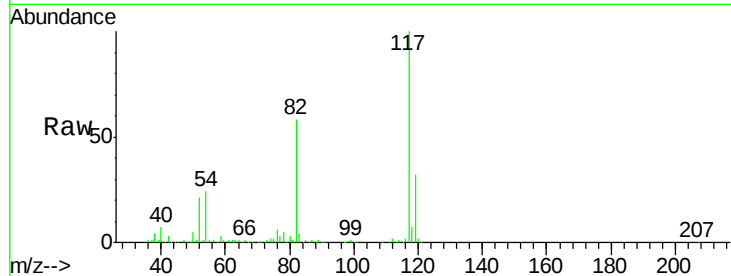




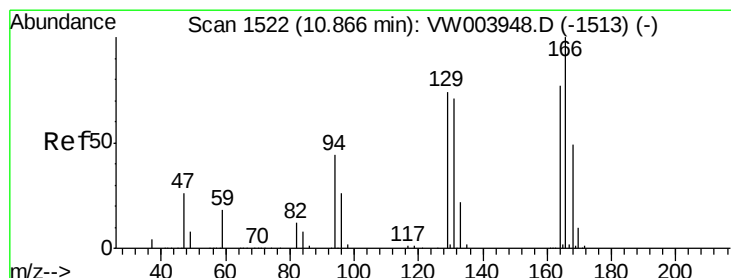
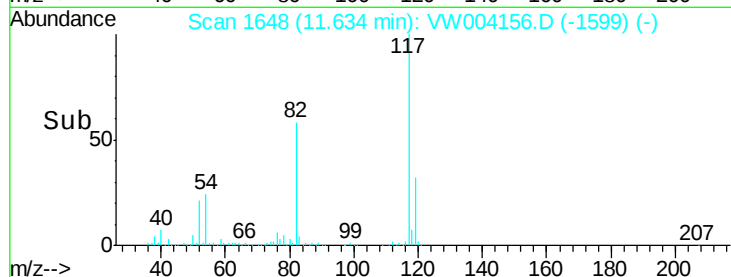
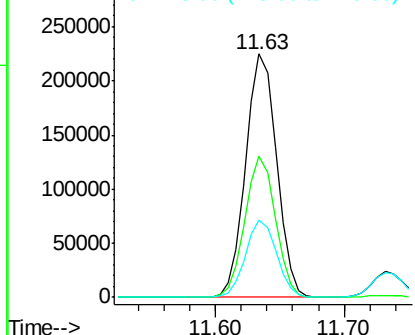
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 372379
Ion Ratio Lower Upper
117 100
82 57.8 46.5 69.7
119 31.7 26.2 39.2

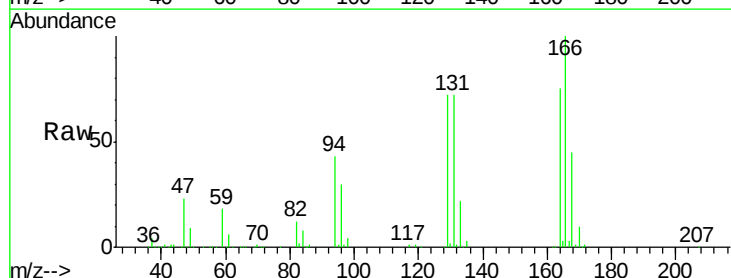


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

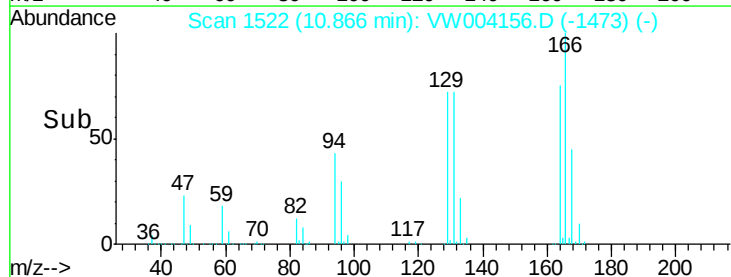
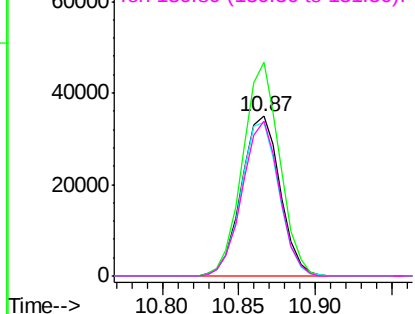


#64
Tetrachloroethene
Concen: 23.946 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Tgt Ion:164 Resp: 61183
Ion Ratio Lower Upper
164 100
166 133.6 103.5 155.3
129 96.0 76.8 115.2
131 96.9 73.2 109.8



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

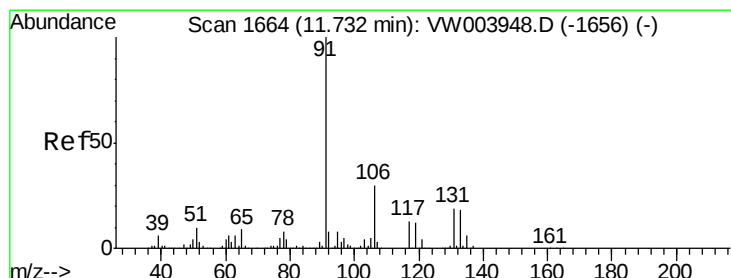
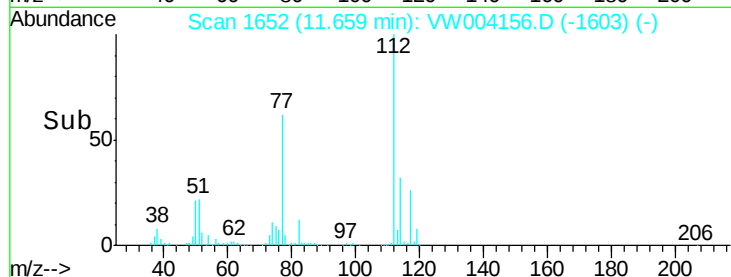
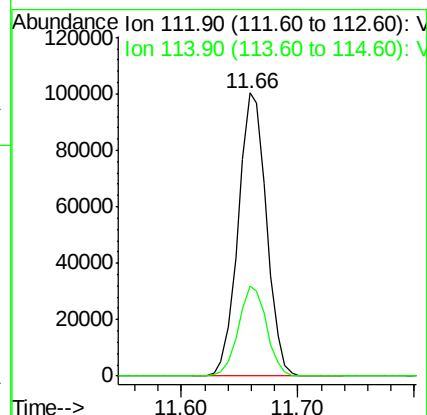
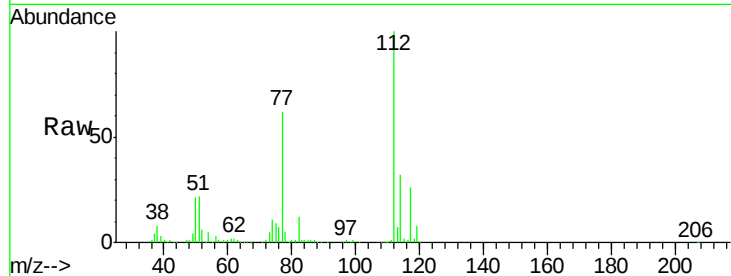




#65
Chlorobenzene
Concen: 21.392 ug/l
RT: 11.66 min Scan# 1652
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

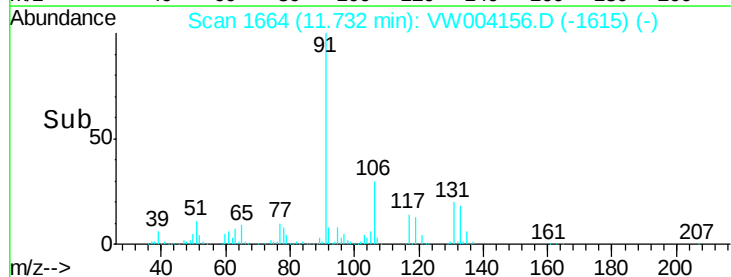
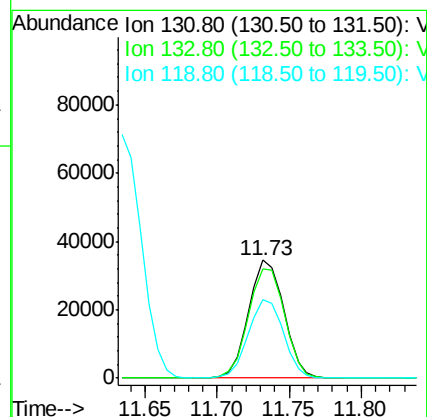
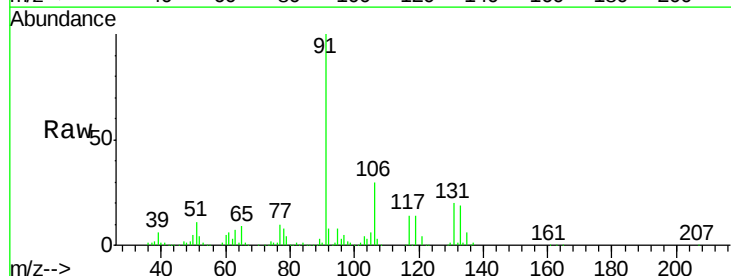
Instrument :
MSVOA_W
ClientSampled :

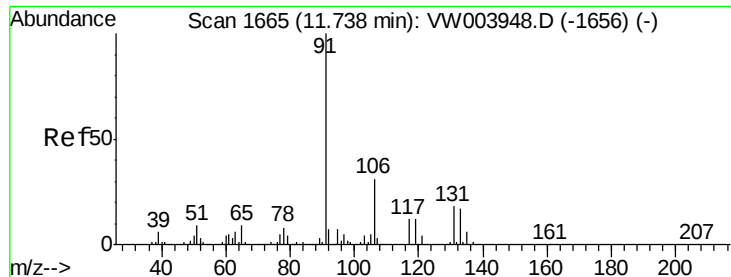
Tot Ion:112 Resp: 169384
Ion Ratio Lower Upper
112 100
114 31.9 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.310 ug/l
RT: 11.73 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Tgt Ion:131 Resp: 58638
Ion Ratio Lower Upper
131 100
133 95.3 47.9 143.8
119 66.6 32.5 97.5

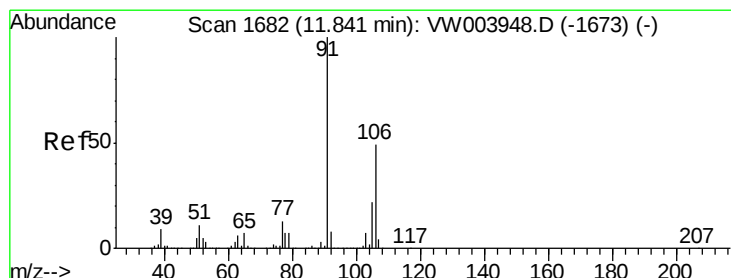
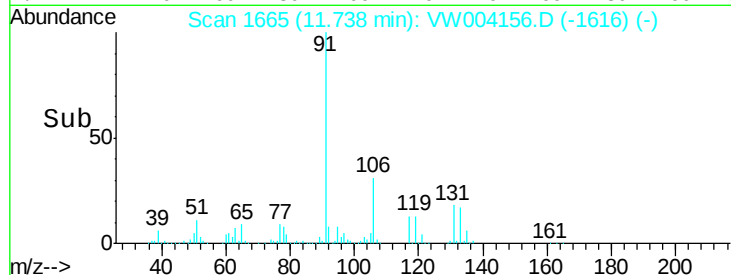
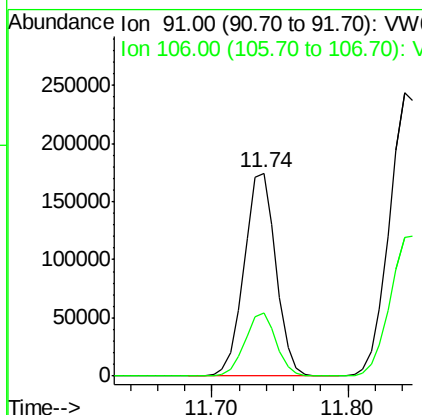
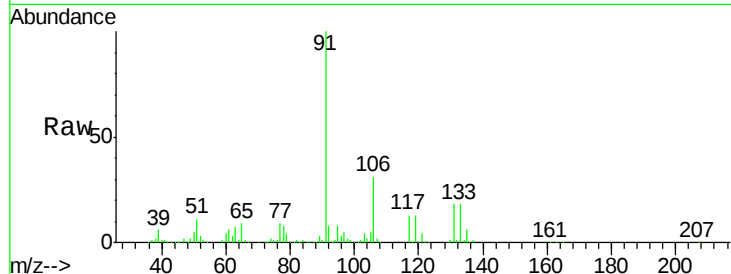




#67
Ethyl Benzene
Concen: 20.493 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

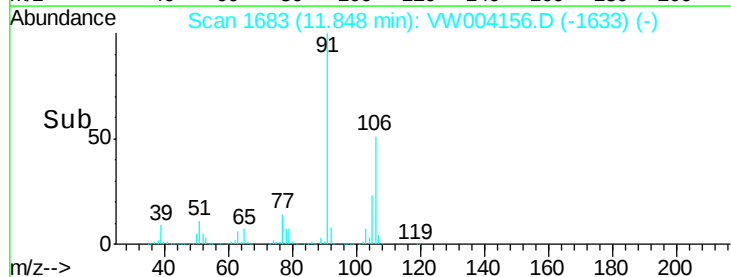
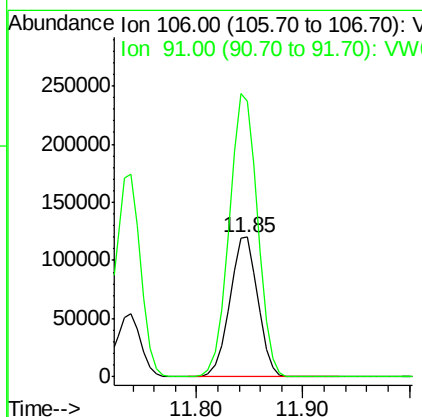
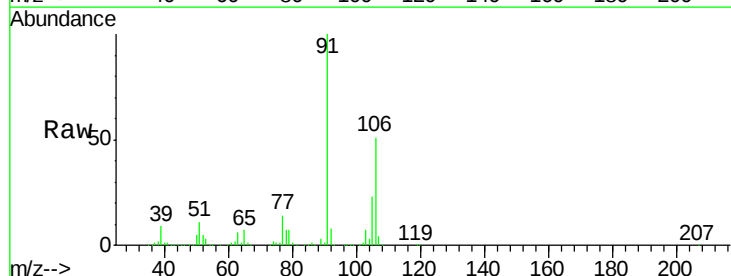
Instrument :
MSVOA_W
ClientSampleId :

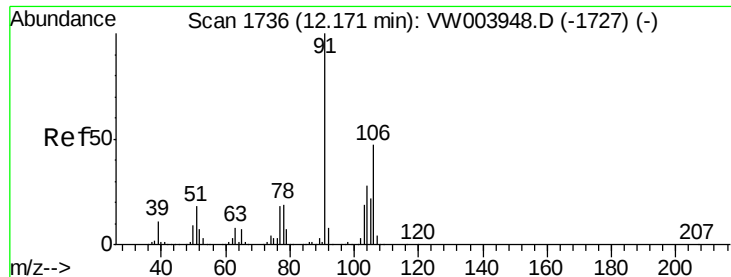
Tot Ion: 91 Resp: 285055
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.4



#68
m/p-Xylenes
Concen: 41.890 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Tgt Ion: 106 Resp: 222700
Ion Ratio Lower Upper
106 100
91 203.5 164.2 246.2

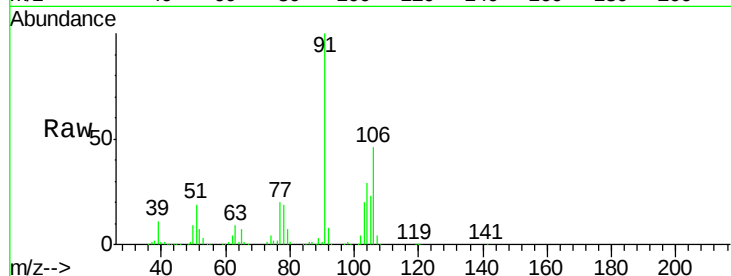




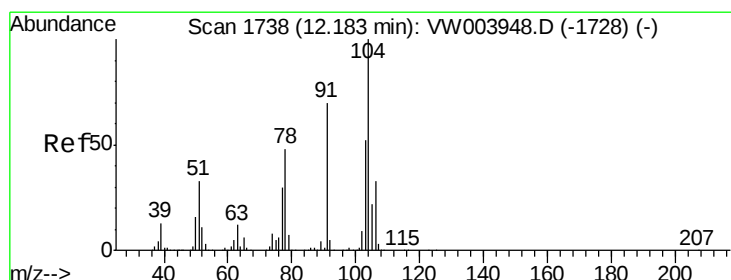
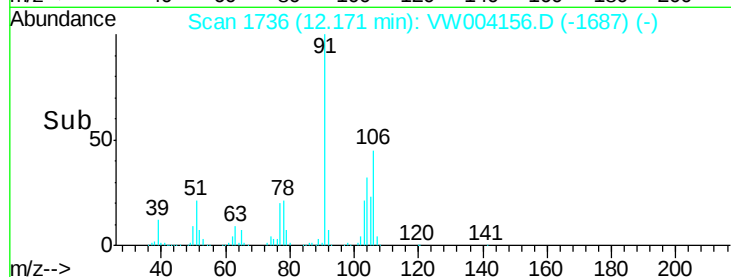
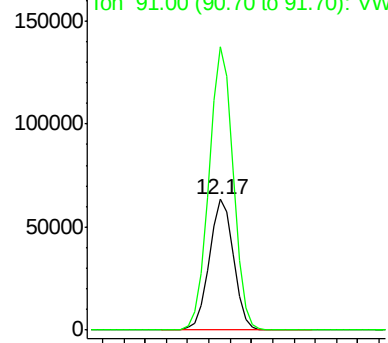
#69
o-Xylene
Concen: 20.596 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 101572
Ion Ratio Lower Upper
106 100
91 216.7 107.5 322.6

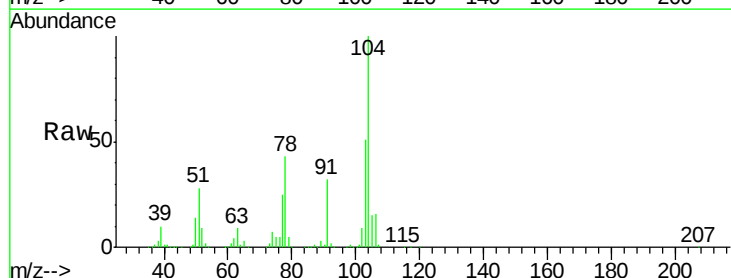


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

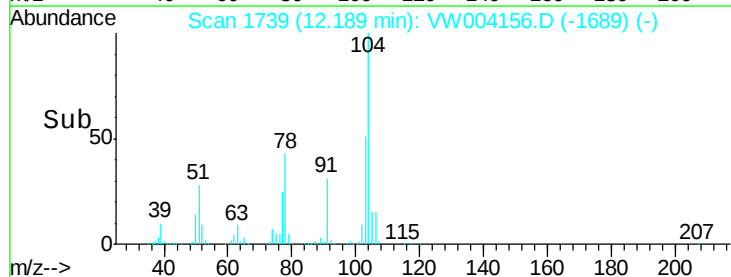
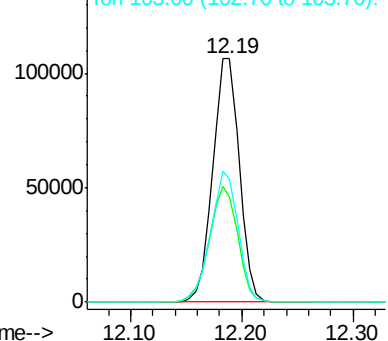


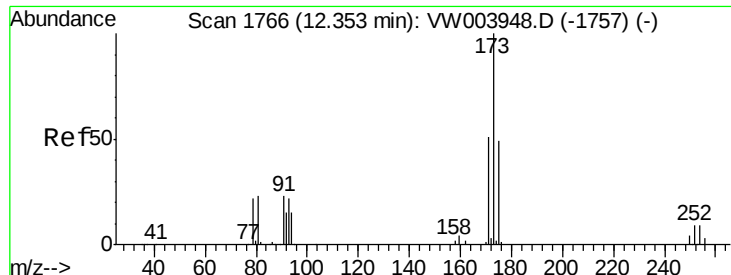
#70
Styrene
Concen: 21.407 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Tgt Ion:104 Resp: 176329
Ion Ratio Lower Upper
104 100
78 50.4 41.0 61.4
103 55.8 44.6 67.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 21.305 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

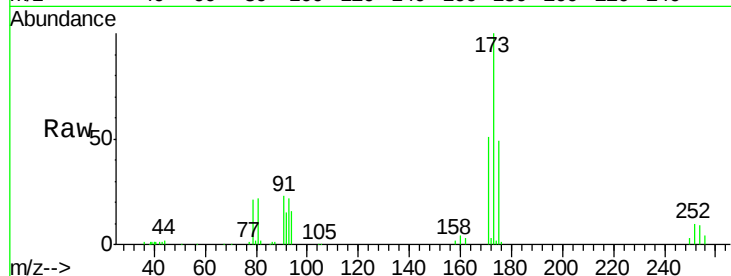
Tot Ion:173 Resp: 33098

Ion Ratio Lower Upper

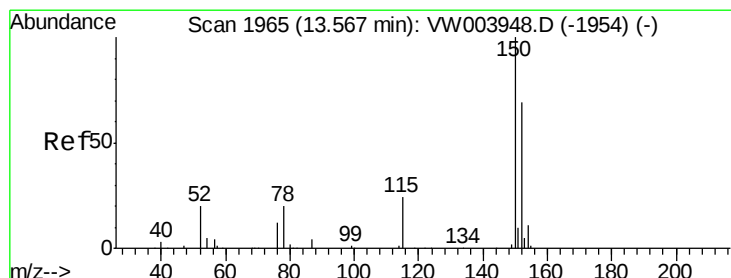
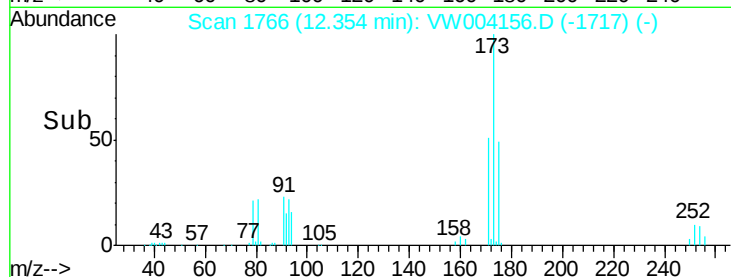
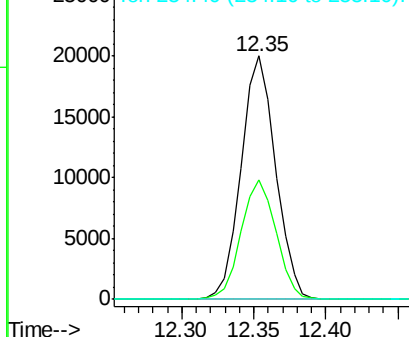
173 100

175 49.9 24.4 73.2

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

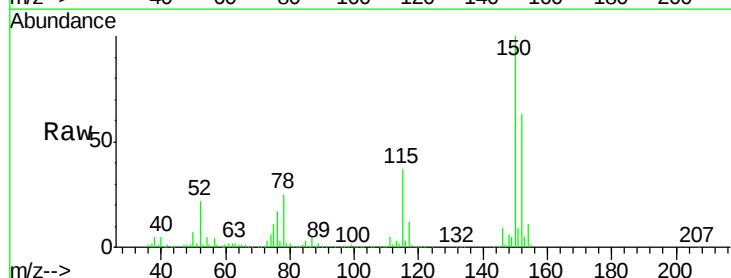
Tgt Ion:152 Resp: 195731

Ion Ratio Lower Upper

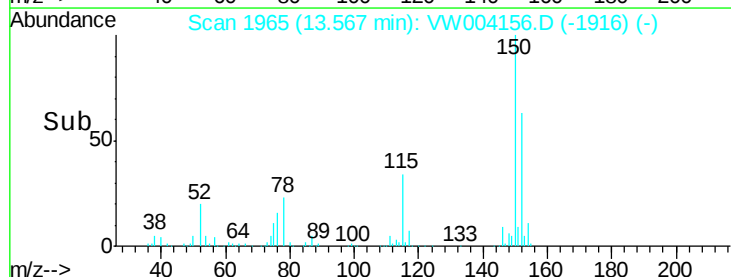
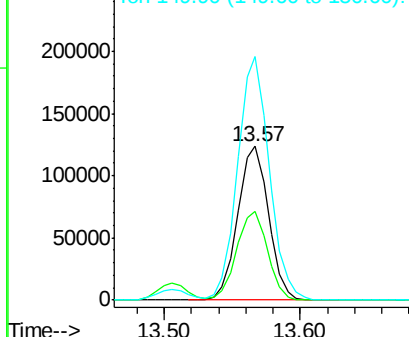
152 100

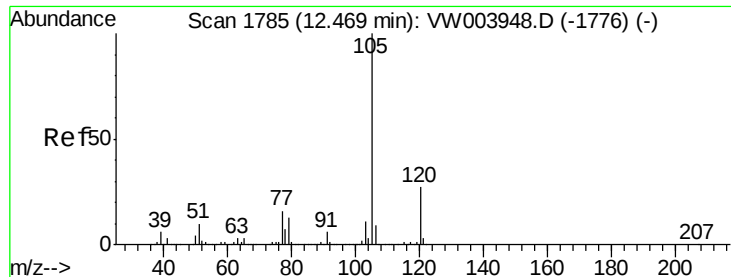
115 58.0 29.2 87.6

150 162.4 0.0 345.2



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: 19.956 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

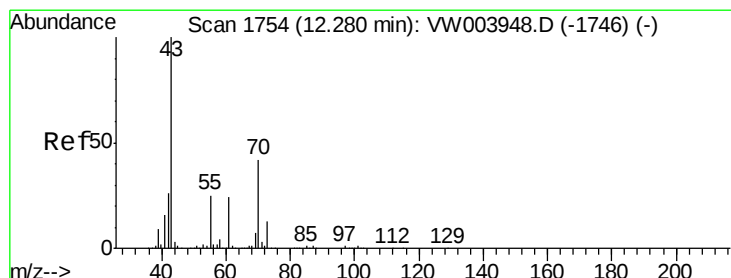
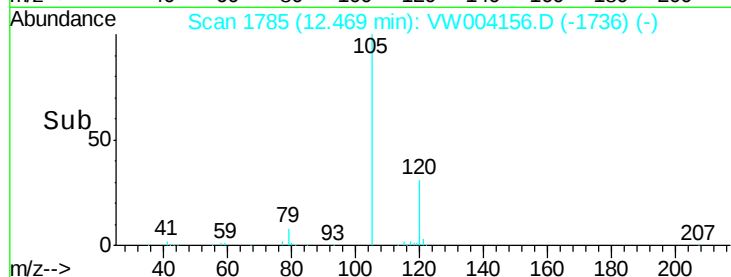
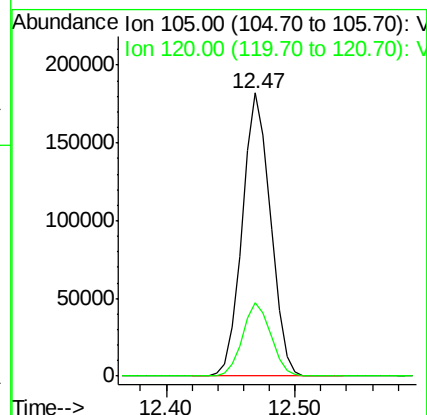
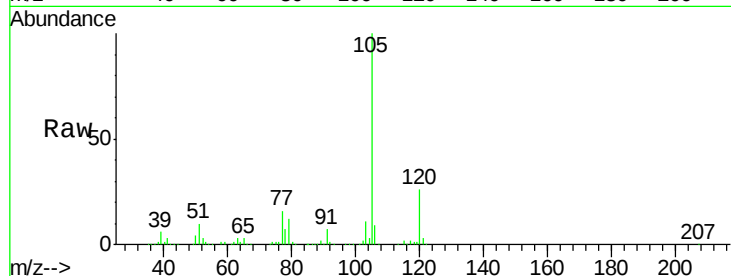
ClientSampleId :

Tot Ion:105 Resp: 276011

Ion Ratio Lower Upper

105 100

120 25.9 13.2 39.6



#74

N-ethyl acetate

Concen: 21.667 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Tgt Ion: 43 Resp: 78082

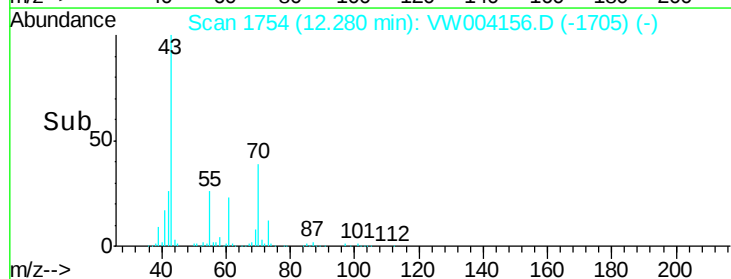
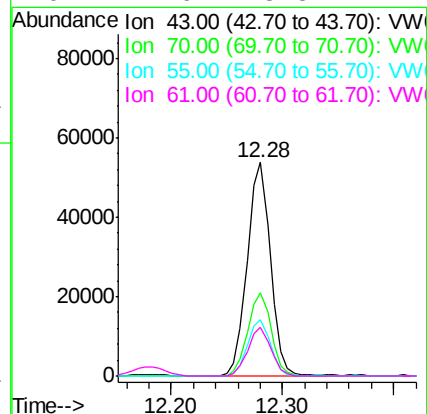
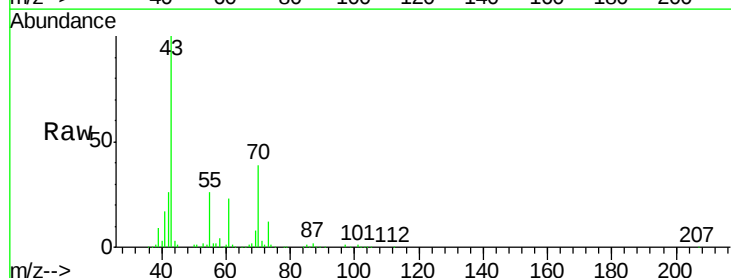
Ion Ratio Lower Upper

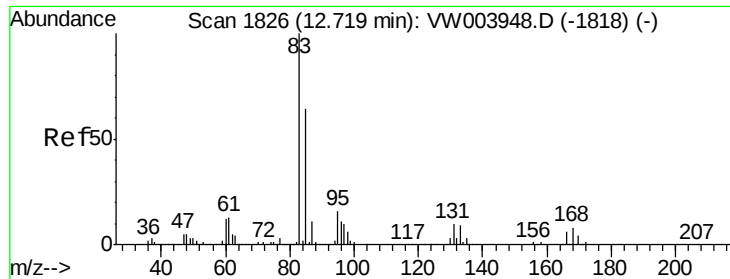
43 100

70 39.7 31.6 47.4

55 26.1 20.0 30.0

61 22.6 18.5 27.7

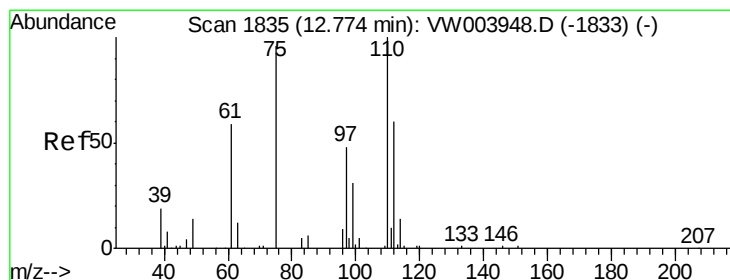
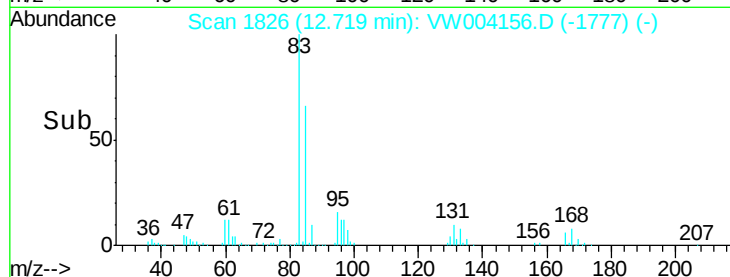
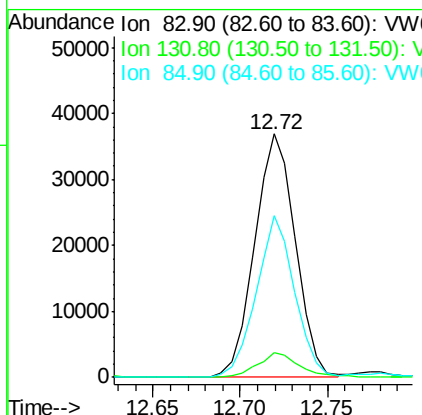
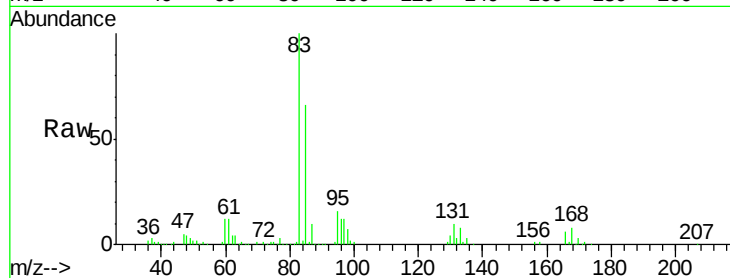




#75
 1,1,2,2-Tetrachloroethane
 Concen: 22.423 ug/l
 RT: 12.72 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VW004156.D
 Acq: 24 Jul 2018 01:09

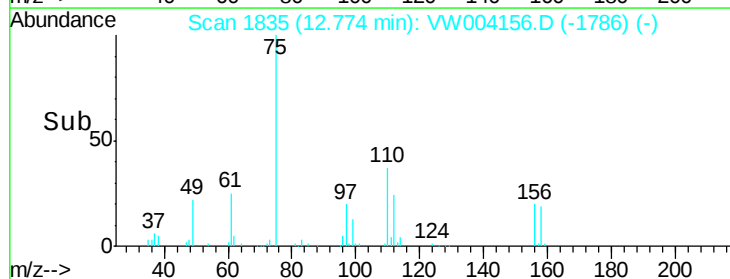
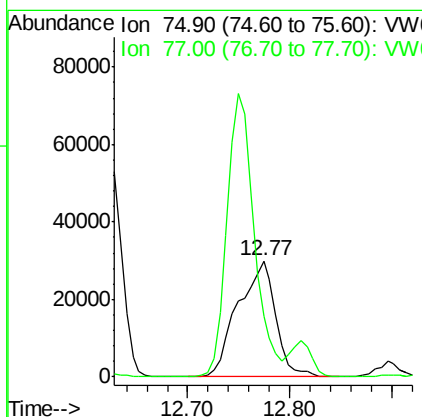
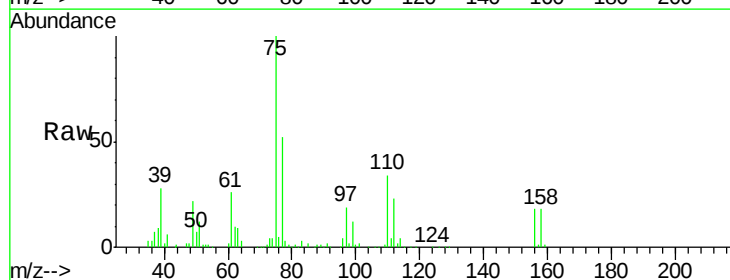
Instrument :
 MSVOA_W
 ClientSampleId :

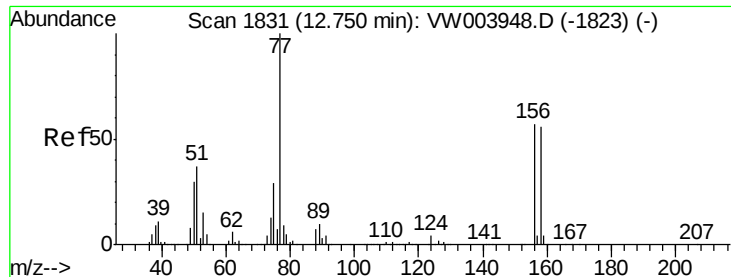
Tot Ion	83	Resp	59975
Ion Ratio	100	Lower	Upper
83	100		
131	10.4	5.3	15.8
85	62.5	32.2	96.6



#76
 1,2,3-Trichloropropane
 Concen: 39.628 ug/l
 RT: 12.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VW004156.D
 Acq: 24 Jul 2018 01:09

Tgt Ion	75	Resp	77004
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.675 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

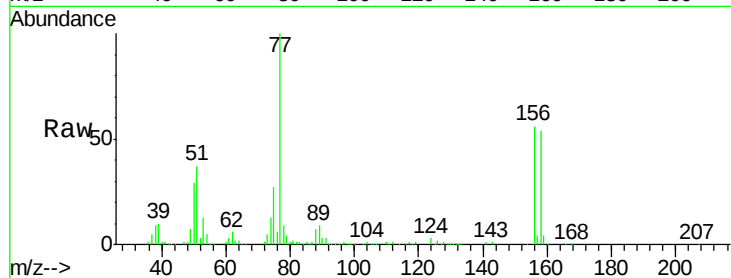
ClientSampleId :

Tot Ion:156 Resp: 68425

Ion	Ratio	Lower	Upper
156	100		
77	197.8	96.2	288.6
158	97.8	48.5	145.5

77 197.8 96.2 288.6

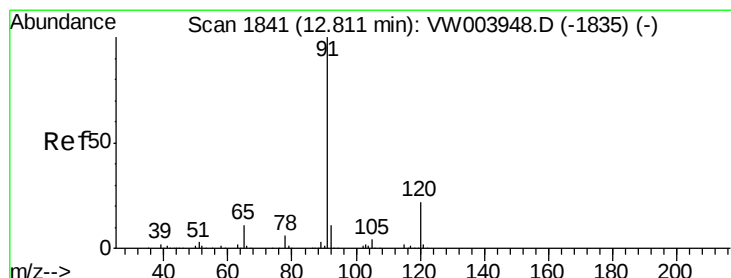
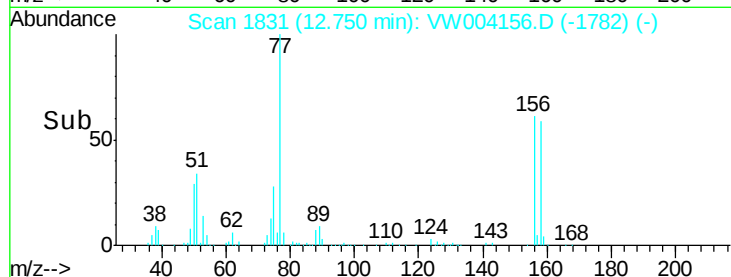
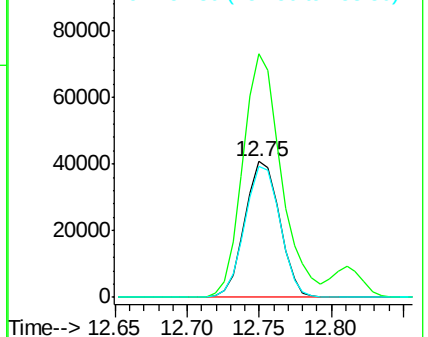
158 97.8 48.5 145.5



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.499 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW004156.D

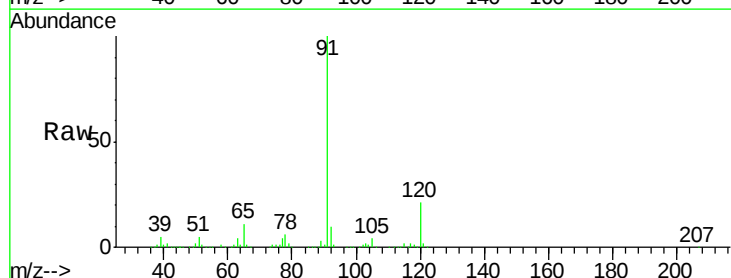
Acq: 24 Jul 2018 01:09

Tgt Ion: 91 Resp: 347823

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.2	33.6

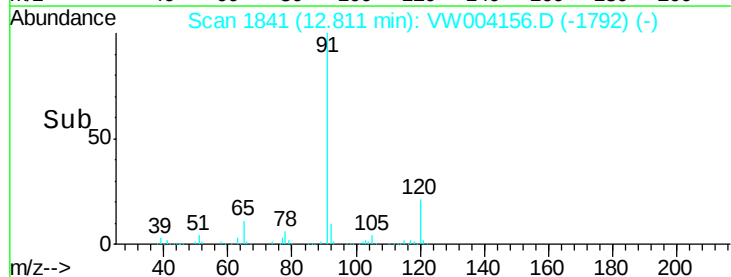
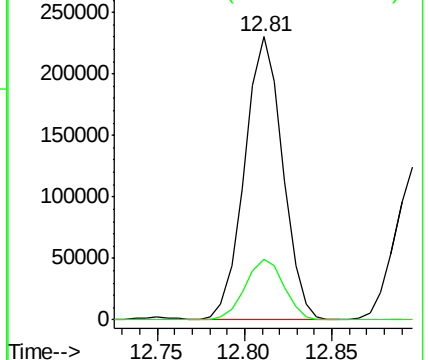
91 100

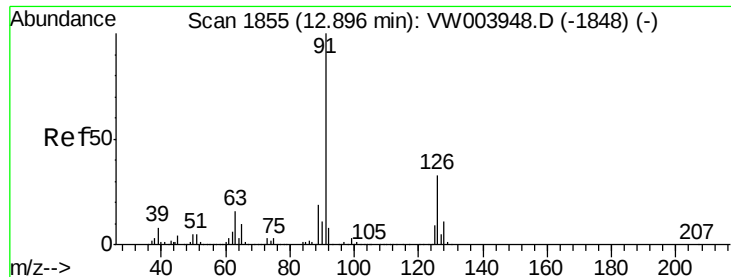
120 22.0 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.684 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

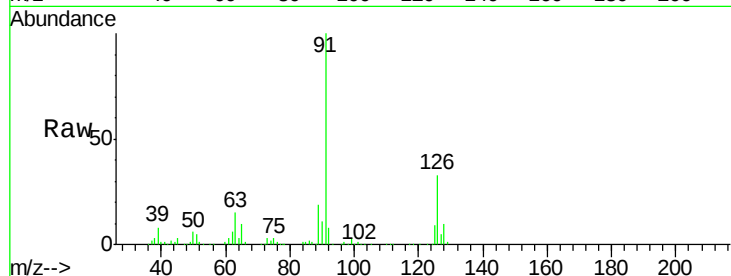
ClientSampled :

Tot Ion: 91 Resp: 197943

Ion Ratio Lower Upper

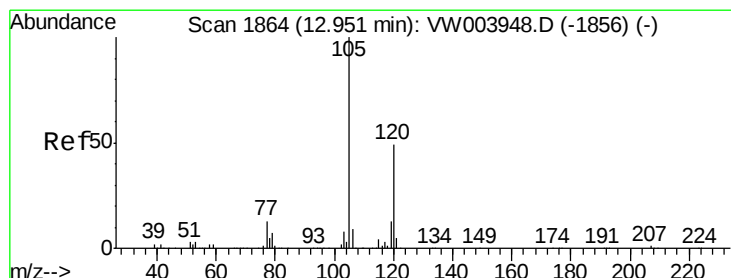
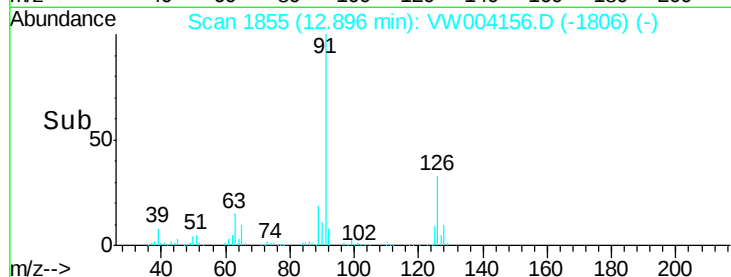
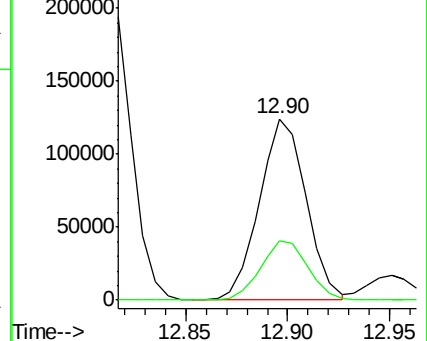
91 100

126 33.3 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.618 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW004156.D

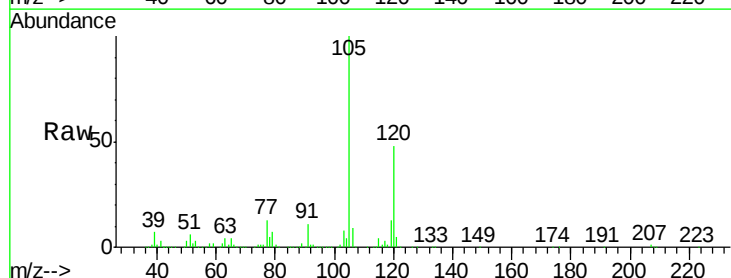
Acq: 24 Jul 2018 01:09

Tgt Ion:105 Resp: 239980

Ion Ratio Lower Upper

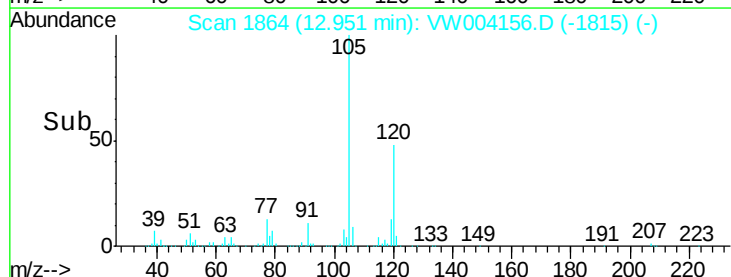
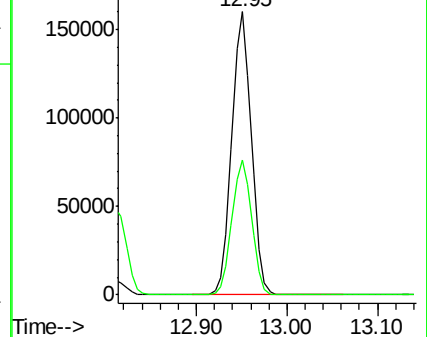
105 100

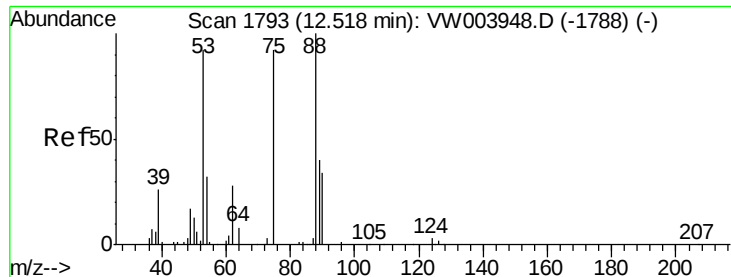
120 48.4 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.511 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

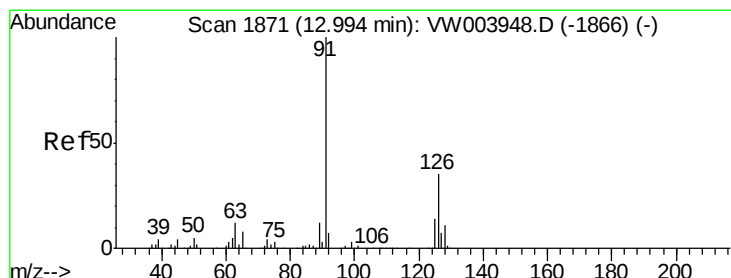
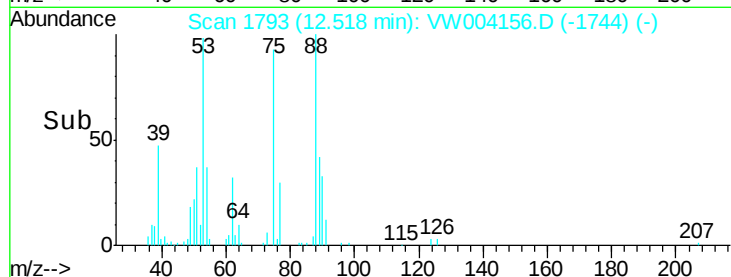
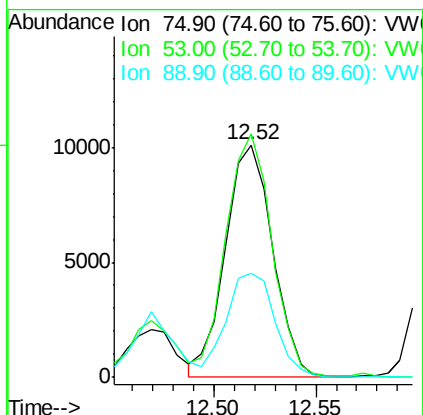
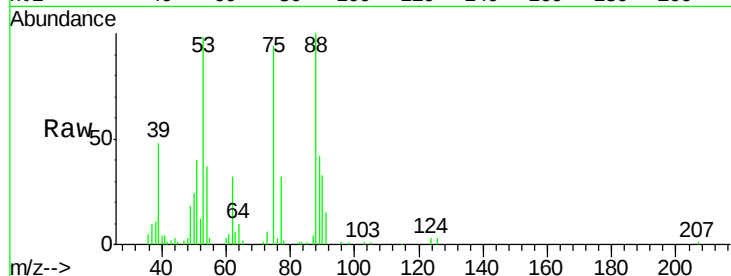
Tot Ion: 75 Resp: 16261

Ion Ratio Lower Upper

75 100

53 101.4 77.6 116.4

89 45.9 36.6 54.8



#82

4-Chlorotoluene

Concen: 21.000 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VW004156.D

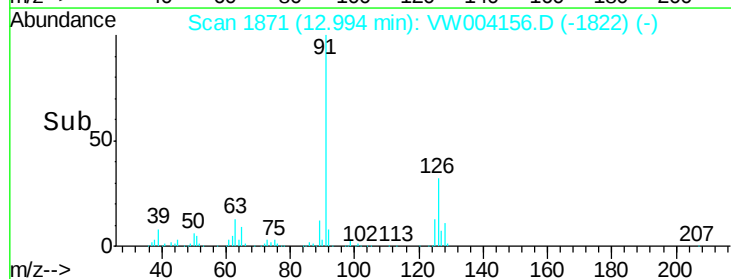
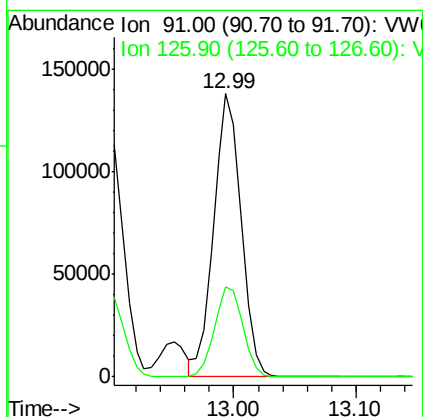
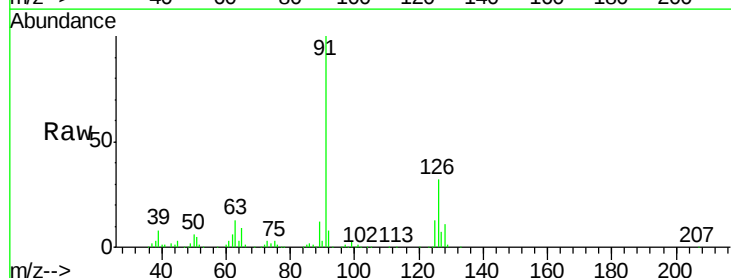
Acq: 24 Jul 2018 01:09

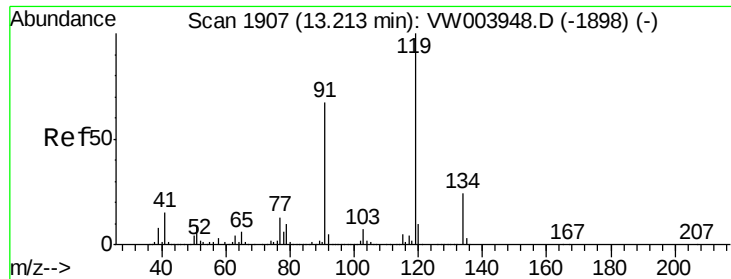
Tgt Ion: 91 Resp: 215667

Ion Ratio Lower Upper

91 100

126 32.7 16.7 50.0

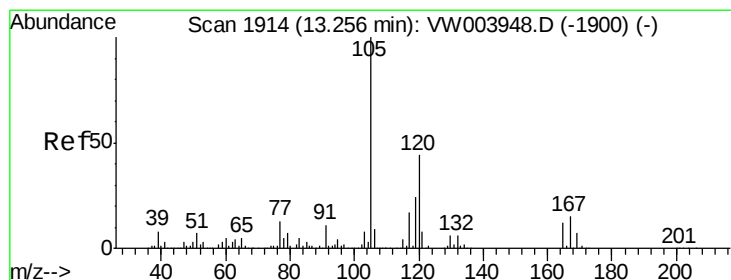
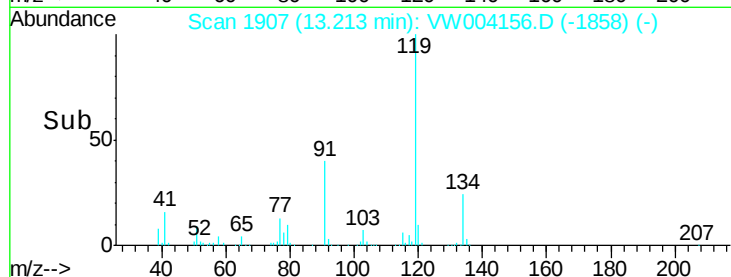
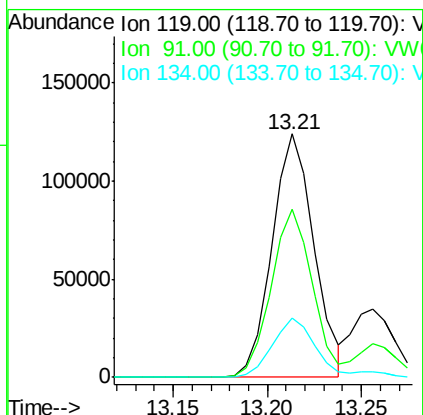
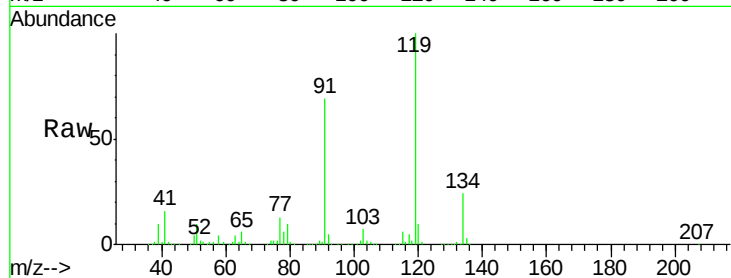




#83
tert-Butylbenzene
Concen: 19.593 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

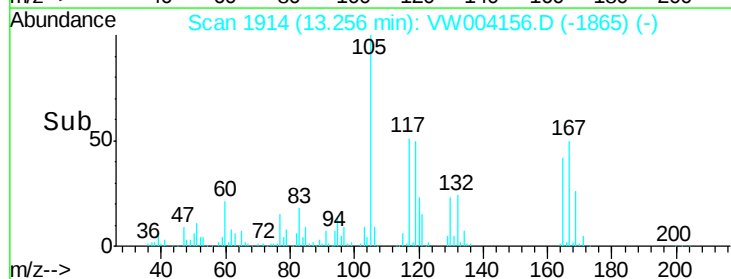
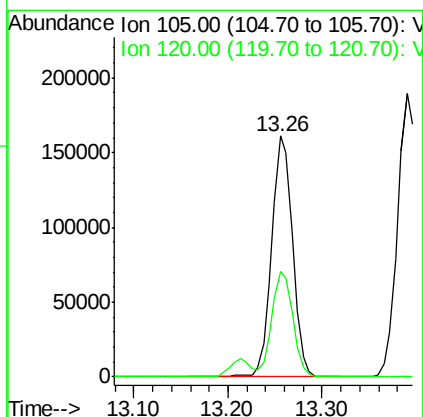
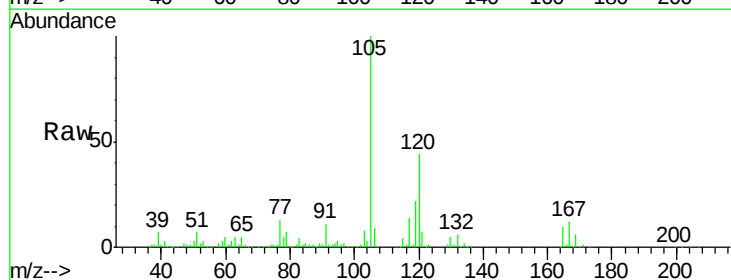
Instrument :
MSVOA_W
ClientSampleId :

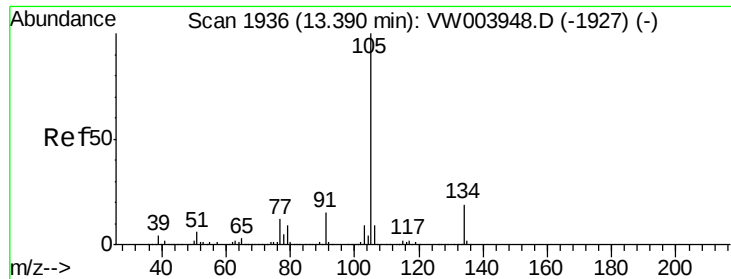
Tot Ion:119 Resp: 191461
Ion Ratio Lower Upper
119 100
91 67.8 33.2 99.6
134 24.4 13.0 38.9



#84
1,2,4-Trimethylbenzene
Concen: 20.864 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Tgt Ion:105 Resp: 249841
Ion Ratio Lower Upper
105 100
120 43.9 22.1 66.1

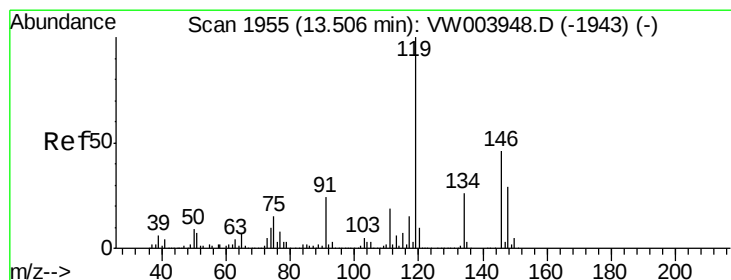
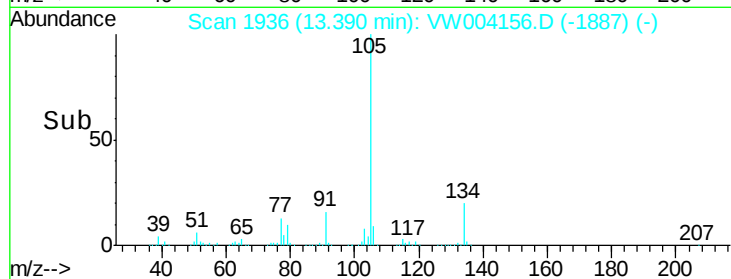
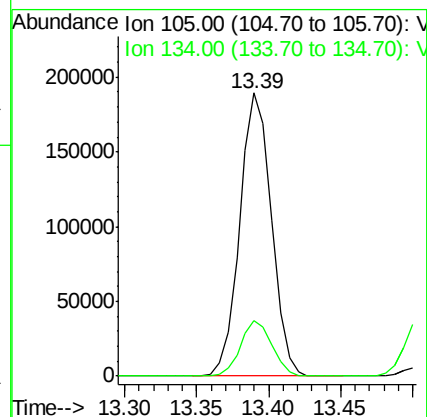
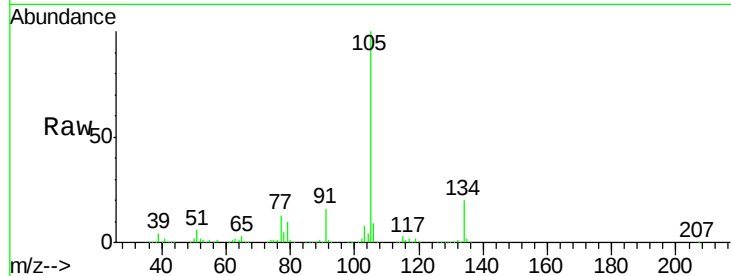




#85
 sec-Butylbenzene
 Concen: 19.939 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW004156.D
 Acq: 24 Jul 2018 01:09

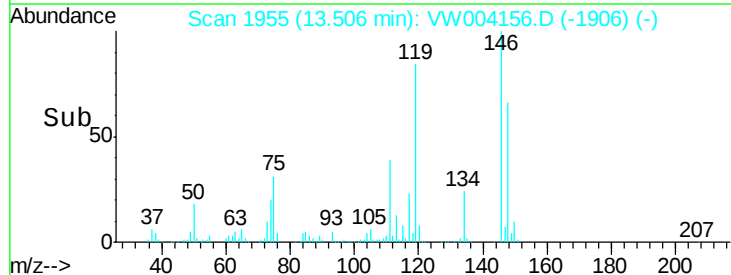
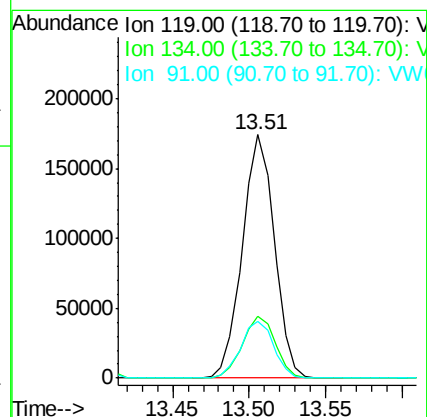
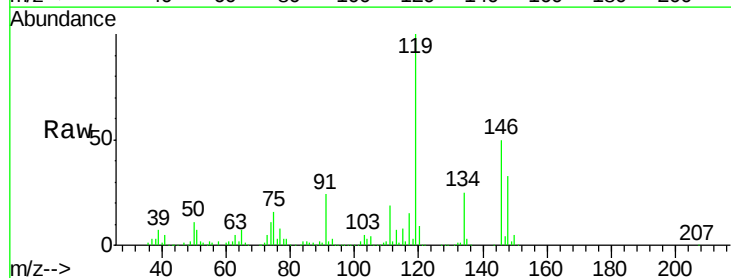
Instrument :
 MSVOA_W
 ClientSampled :

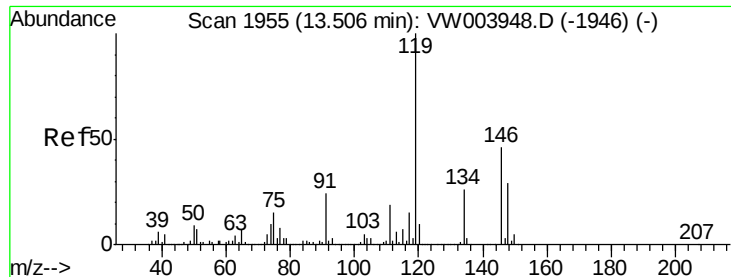
Tot Ion:105 Resp: 289094
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 20.001 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004156.D
 Acq: 24 Jul 2018 01:09

Tgt Ion:119 Resp: 254367
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.0 38.9
 91 23.8 11.8 35.3

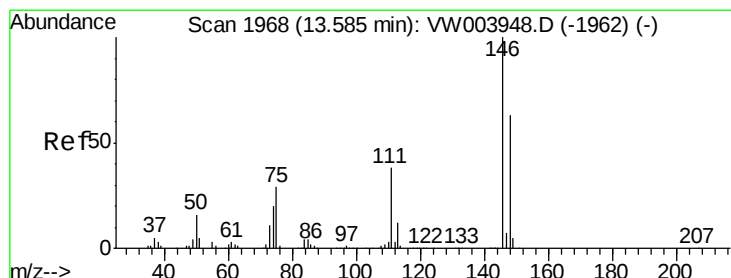
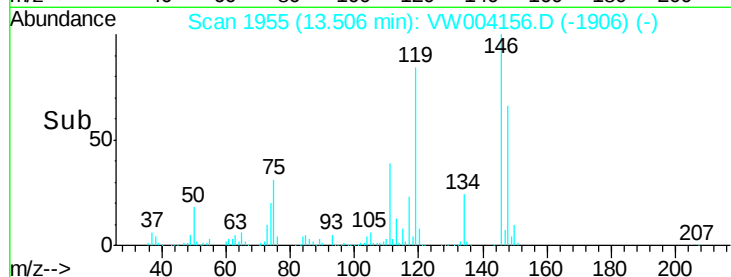
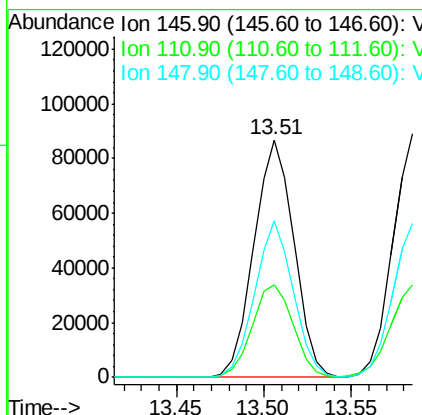
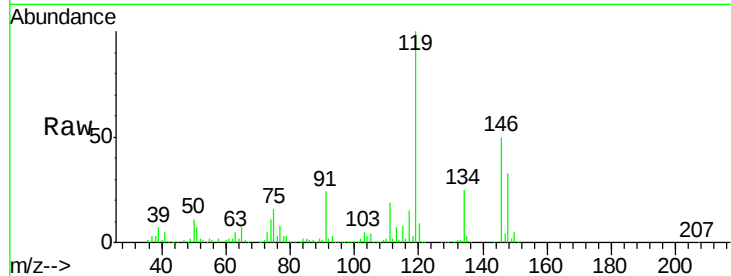




#87
 1,3-Dichlorobenzene
 Concen: 20.873 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004156.D
 Acq: 24 Jul 2018 01:09

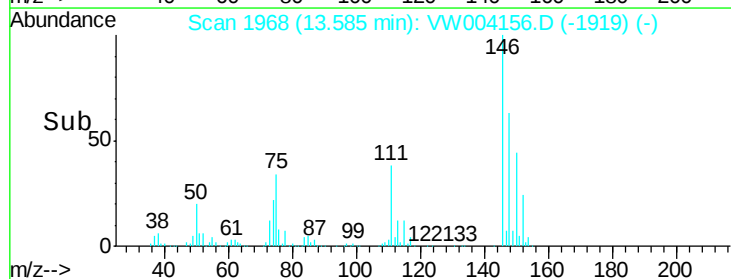
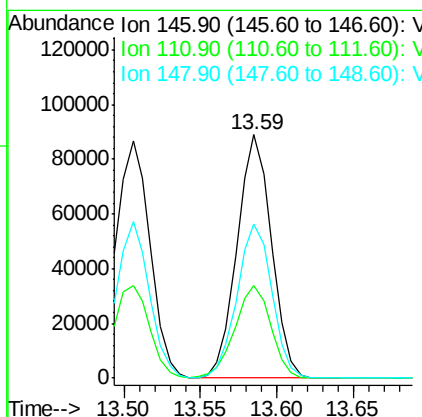
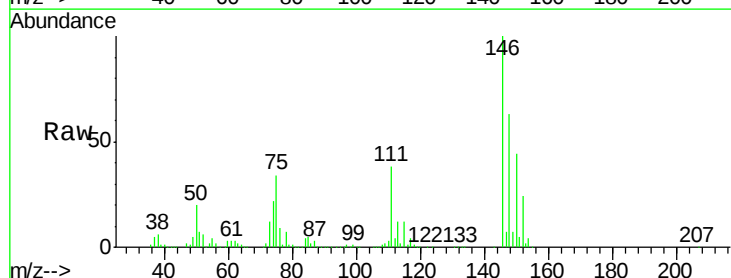
Instrument :
 MSVOA_W
 ClientSampleId :

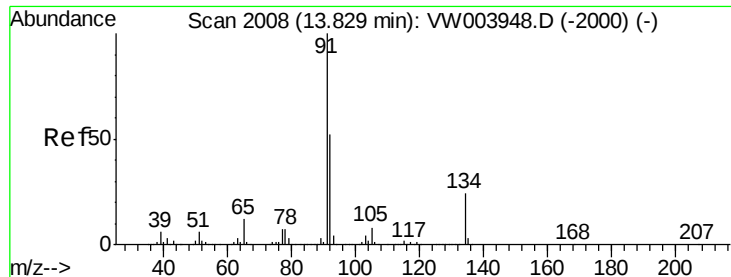
Tot Ion:146 Resp: 137973
 Ion Ratio Lower Upper
 146 100
 111 39.9 19.9 59.6
 148 63.4 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 20.942 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004156.D
 Acq: 24 Jul 2018 01:09

Tgt Ion:146 Resp: 138823
 Ion Ratio Lower Upper
 146 100
 111 39.8 19.6 58.7
 148 64.4 32.3 96.8

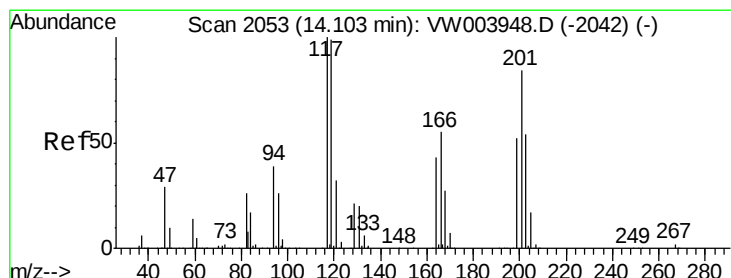
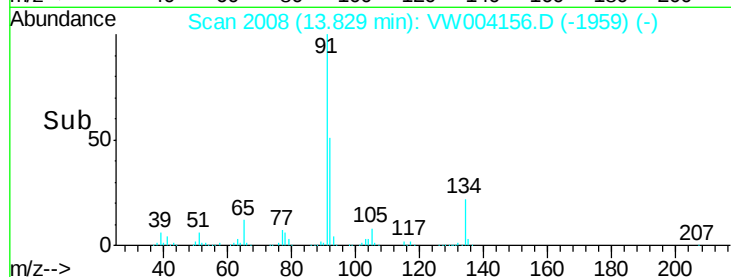
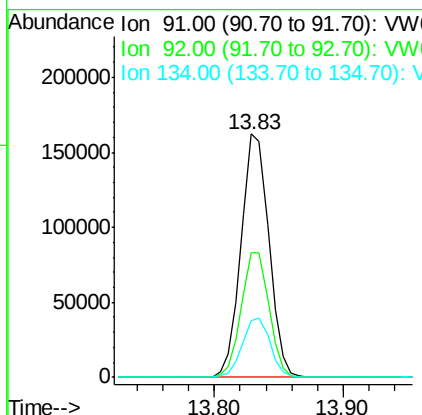
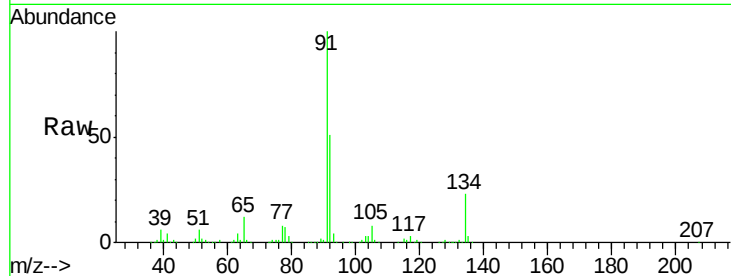




#89
n-Butylbenzene
Concen: 19.374 ug/l
RT: 13.83 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

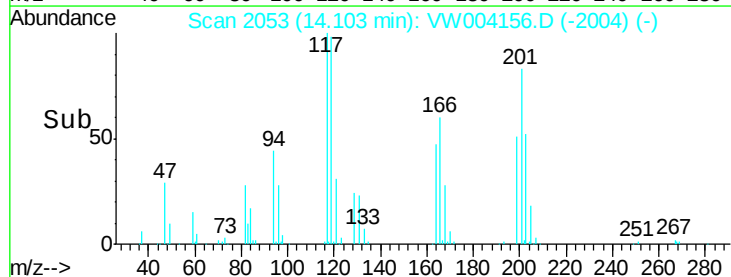
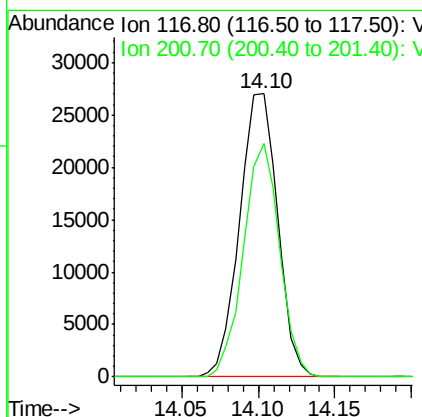
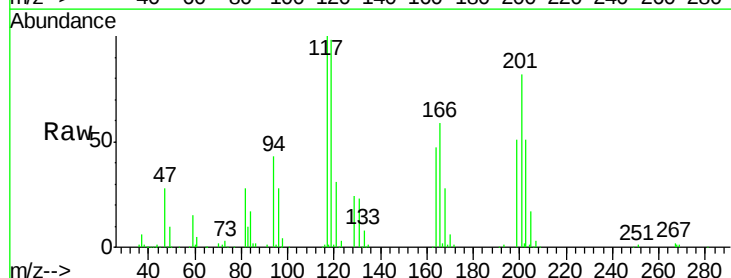
Instrument :
MSVOA_W
ClientSampled :

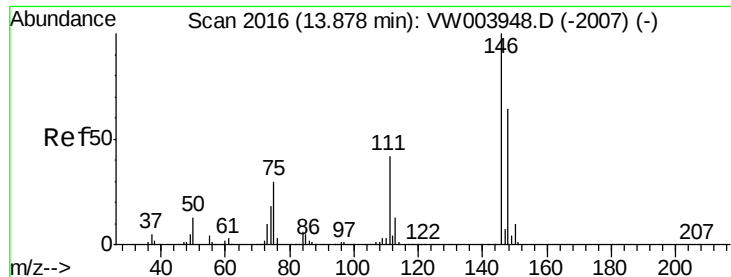
Tot Ion: 91 Resp: 242213
Ion Ratio Lower Upper
91 100
92 51.3 26.1 78.3
134 24.4 12.4 37.4



#90
Hexachloroethane
Concen: 19.989 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. 0.00 min
Lab File: VW004156.D
Acq: 24 Jul 2018 01:09

Tgt Ion: 117 Resp: 46861
Ion Ratio Lower Upper
117 100
201 78.3 40.3 120.9





#91

1,2-Dichlorobenzene

Concen: 21.341 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

ClientSampled :

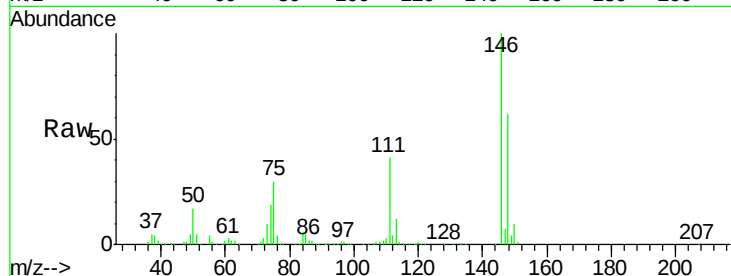
Tot Ion:146 Resp: 125679

Ion Ratio Lower Upper

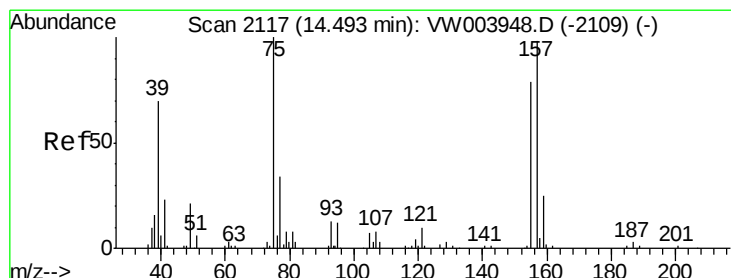
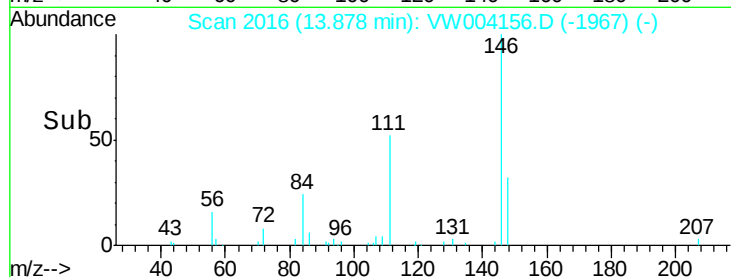
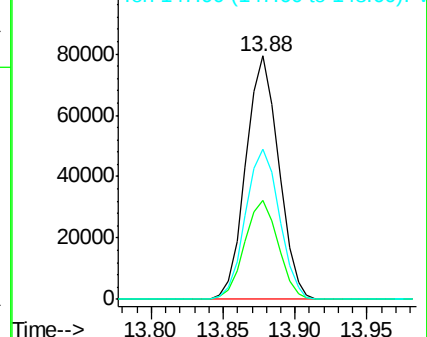
146 100

111 41.5 20.7 62.1

148 63.4 32.0 96.2



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.918 ug/l

RT: 14.49 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

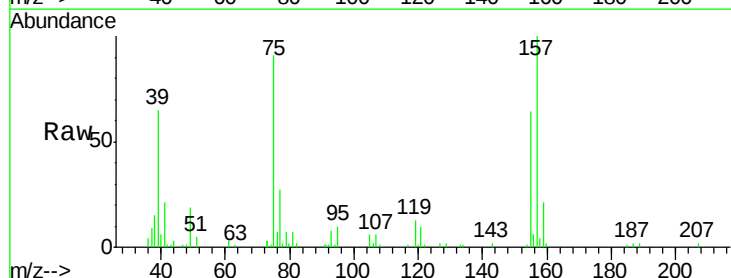
Tgt Ion: 75 Resp: 10425

Ion Ratio Lower Upper

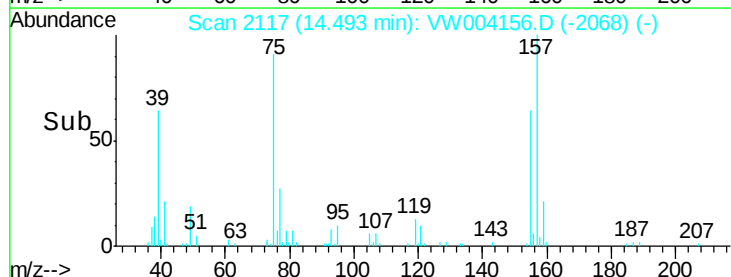
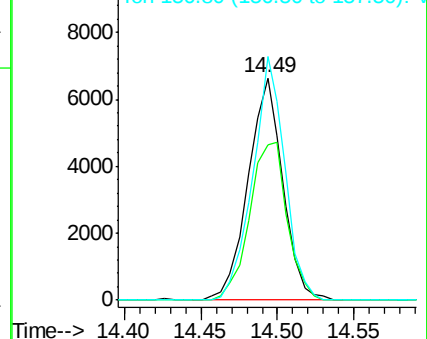
75 100

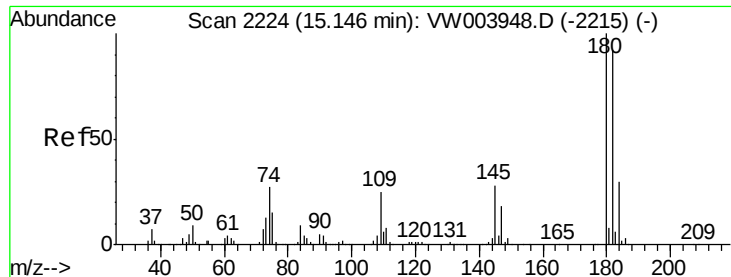
155 77.3 39.4 118.1

157 101.5 51.8 155.4



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

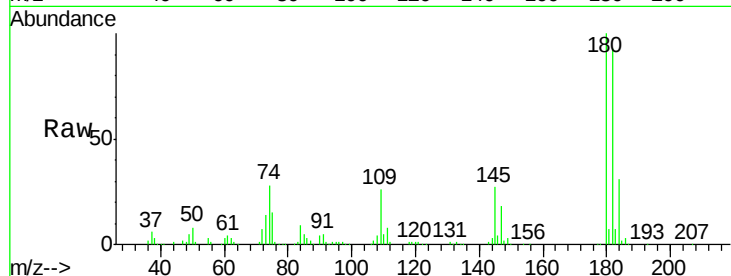




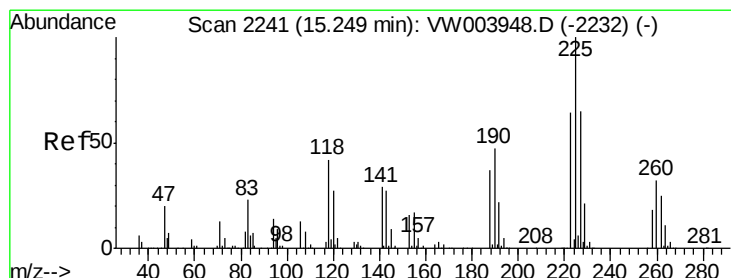
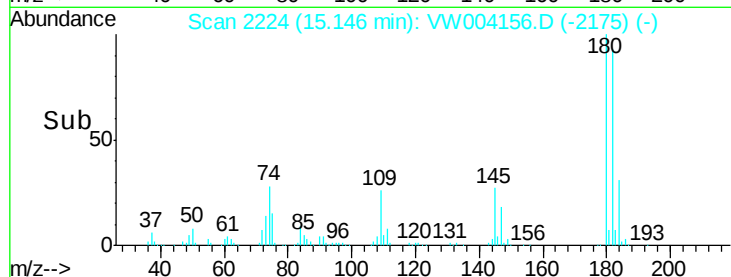
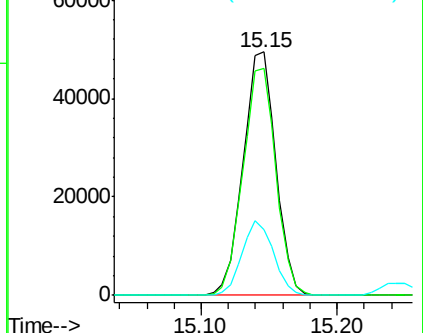
#93
 1,2,4-Trichlorobenzene
 Concen: 20.129 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004156.D
 Acq: 24 Jul 2018 01:09

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	46.9	140.8
145	29.5	15.0	45.0

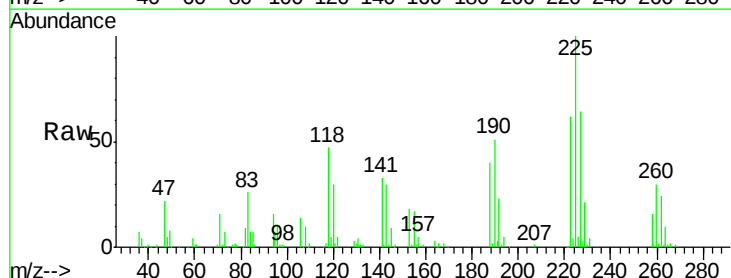


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

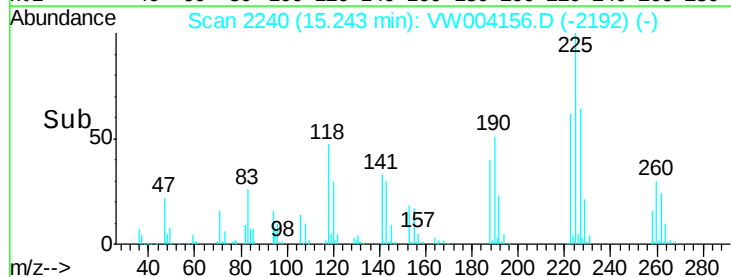
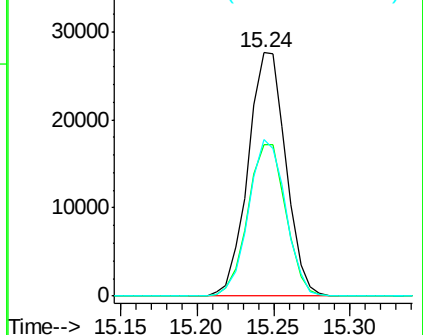


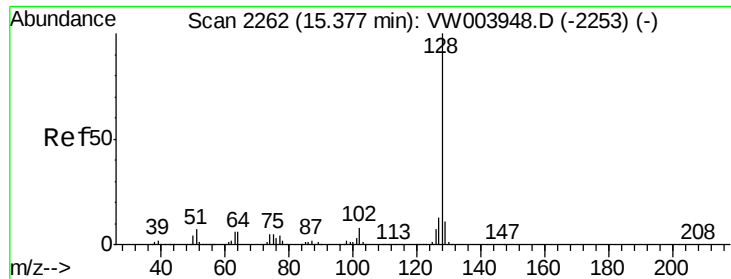
#94
 Hexachlorobutadiene
 Concen: 19.984 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: VW004156.D
 Acq: 24 Jul 2018 01:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	32.0	96.2
227	62.9	32.3	96.9



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: 20.834 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

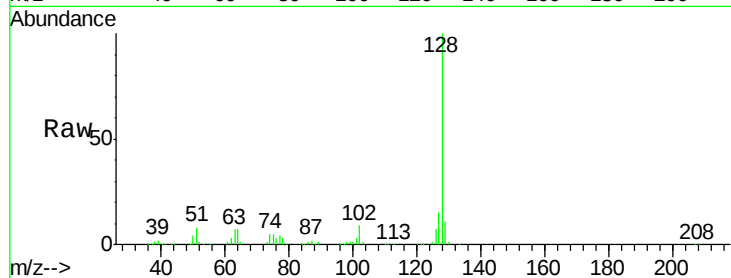
Tot Ion:128 Resp: 159054

Ion Ratio Lower Upper

128 100

127 13.8 10.7 16.1

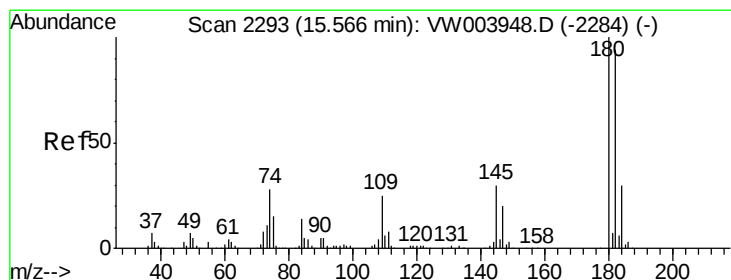
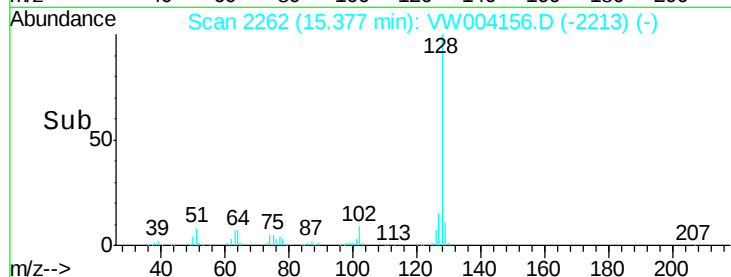
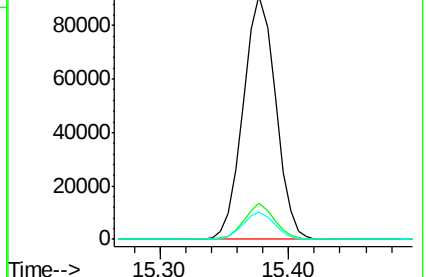
129 10.9 8.7 13.1



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: 21.073 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004156.D

Acq: 24 Jul 2018 01:09

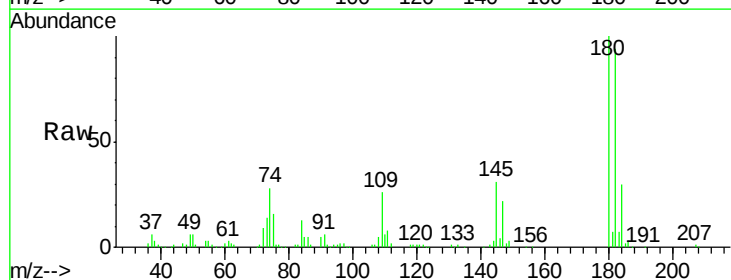
Tgt Ion:180 Resp: 77168

Ion Ratio Lower Upper

180 100

182 93.0 47.5 142.6

145 31.6 15.8 47.4



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

