

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080818\
 Data File : VW004504.D
 Acq On : 07 Aug 2018 20:45
 Operator : SY/AP
 Sample : VW0807SBSD01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBSD01

Quant Time: Aug 08 08:37:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 08:22:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	669233	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	1086808	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1045421	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	561968	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	396590	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	
35) Dibromofluoromethane	7.88	113	369458	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
50) Toluene-d8	10.33	98	1439757	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
62) 4-Bromofluorobenzene	12.62	95	528644	53.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.24%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	89188	19.420	ug/l 95
3) Chloromethane	2.22	50	124414	19.445	ug/l 99
4) Vinyl Chloride	2.37	62	185257	20.727	ug/l 96
5) Bromomethane	2.78	94	112658	21.647	ug/l 92
6) Chloroethane	2.93	64	113710	21.291	ug/l 98
7) Trichlorofluoromethane	3.25	101	67443	20.430	ug/l 95
8) Diethyl Ether	3.67	74	89309	21.386	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	146555	20.100	ug/l 99
10) Methyl Iodide	4.26	142	232648	21.267	ug/l 100
11) Tert butyl alcohol	5.24	59	42055	96.954	ug/l 97
12) 1,1-Dichloroethene	4.04	96	148441	20.226	ug/l 99
13) Acrolein	3.90	56	59469	111.896	ug/l 98
14) Allyl chloride	4.66	41	230209	20.878	ug/l 100
15) Acrylonitrile	5.38	53	196404	105.834	ug/l 99
16) Acetone	4.15	43	201223	108.765	ug/l 99
17) Carbon Disulfide	4.38	76	481792	20.427	ug/l 100
18) Methyl Acetate	4.68	43	92970	20.153	ug/l 100
19) Methyl tert-butyl Ether	5.43	73	208327	20.811	ug/l 99
20) Methylene Chloride	4.92	84	247848	22.568	ug/l 99
21) trans-1,2-Dichloroethene	5.42	96	161214	20.384	ug/l 98
22) Diisopropyl ether	6.31	45	503913	22.239	ug/l 96
23) Vinyl Acetate	6.26	43	1412876	103.748	ug/l 99
24) 1,1-Dichloroethane	6.21	63	303984	20.959	ug/l 100
25) 2-Butanone	7.18	43	301881	101.438	ug/l 98
26) 2,2-Dichloropropane	7.17	77	151702	19.929	ug/l 98
27) cis-1,2-Dichloroethene	7.17	96	176835	20.782	ug/l 99
28) Bromochloromethane	7.51	49	135934	21.541	ug/l 100
29) Tetrahydrofuran	7.54	42	155239	100.902	ug/l 98
30) Chloroform	7.68	83	303222	21.285	ug/l 98
31) Cyclohexane	7.96	56	265896	19.160	ug/l 94
32) 1,1,1-Trichloroethane	7.87	97	217671	20.341	ug/l 99
36) 1,1-Dichloropropene	8.09	75	228047	19.488	ug/l 100
37) Ethyl Acetate	7.26	43	109217	19.928	ug/l 98
38) Carbon Tetrachloride	8.07	117	201674	19.152	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	256460	17.880	ug/l	97
40) Benzene	8.32	78	688683	20.041	ug/l	100
41) Methacrylonitrile	7.49	41	62726	20.492	ug/l	95
42) 1,2-Dichloroethane	8.40	62	195383	20.551	ug/l	99
43) Isopropyl Acetate	8.43	43	188417	19.723	ug/l	100
44) Trichloroethene	9.09	130	162924	19.295	ug/l	100
45) 1,2-Dichloropropane	9.37	63	174148	20.236	ug/l	99
46) Dibromomethane	9.46	93	89393	20.405	ug/l	99
47) Bromodichloromethane	9.65	83	206240	19.944	ug/l	99
48) Methyl methacrylate	9.44	41	89384	20.019	ug/l	99
49) 1,4-Dioxane	9.49	88	26702	399.511	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	664972	100.000	ug/l	99
52) Toluene	10.39	92	413231	20.393	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	204261	19.672	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	241582	19.964	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	128246	20.424	ug/l	98
56) Ethyl methacrylate	10.65	69	144822	19.264	ug/l	99
57) 1,3-Dichloropropane	10.93	76	220657	20.389	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	382037	101.212	ug/l	100
59) 2-Hexanone	10.98	43	445427	98.796	ug/l	98
60) Dibromochloromethane	11.13	129	135193	19.796	ug/l	99
61) 1,2-Dibromoethane	11.24	107	120638	20.450	ug/l	98
64) Tetrachloroethene	10.87	164	140894	19.320	ug/l	98
65) Chlorobenzene	11.66	112	453139	19.668	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	153081	19.516	ug/l	100
67) Ethyl Benzene	11.74	91	749585	19.193	ug/l	100
68) m/p-Xylenes	11.85	106	595375	39.445	ug/l	100
69) o-Xylene	12.17	106	277695	19.838	ug/l	99
70) Styrene	12.18	104	474483	20.062	ug/l	99
71) Bromoform	12.35	173	83871	19.451	ug/l #	98
73) Isopropylbenzene	12.47	105	732204	18.837	ug/l	100
74) N-amyl acetate	12.28	43	179932	19.090	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	160824	19.820	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	200686	34.511	ug/l #	100
77) Bromobenzene	12.75	156	188201	20.012	ug/l	100
78) n-propylbenzene	12.81	91	929563	19.380	ug/l	99
79) 2-Chlorotoluene	12.90	91	545374	19.648	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	652552	19.680	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	44213	18.201	ug/l	95
82) 4-Chlorotoluene	12.99	91	590127	20.033	ug/l	99
83) tert-Butylbenzene	13.21	119	527032	18.949	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	683853	19.922	ug/l	99
85) sec-Butylbenzene	13.39	105	796052	18.972	ug/l	99
86) p-Isopropyltoluene	13.51	119	697880	19.194	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	379413	19.580	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	382803	19.844	ug/l	99
89) n-Butylbenzene	13.83	91	668691	18.719	ug/l	99
90) Hexachloroethane	14.10	117	125691	18.685	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	349384	19.873	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	25164	18.979	ug/l	95

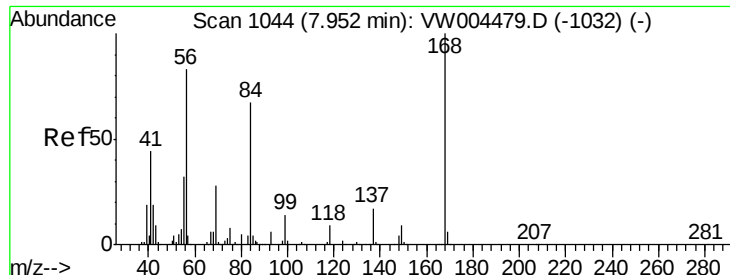
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	238563	19.600	ug/l	99
94) Hexachlorobutadiene	15.24	225	131699	18.582	ug/l	98
95) Naphthalene	15.38	128	431588	19.095	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	218706	19.995	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

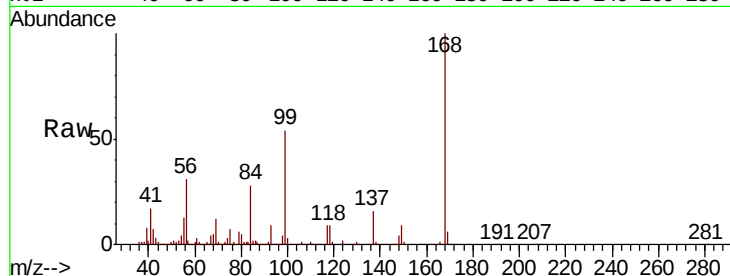
VW0808SBSD01

Tgt Ion:168 Resp: 669233

Ion Ratio Lower Upper

168 100

99 54.1 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

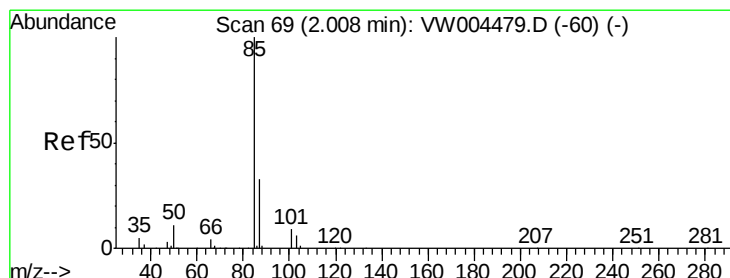
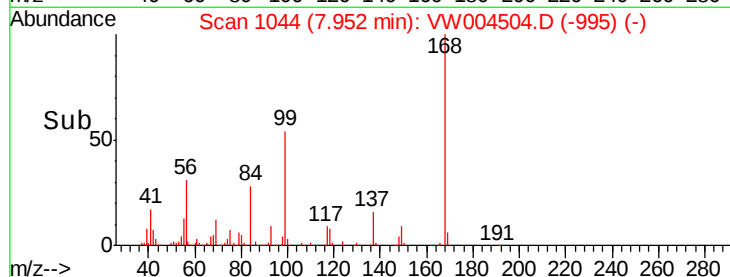
300000

200000

100000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 19.420 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004504.D

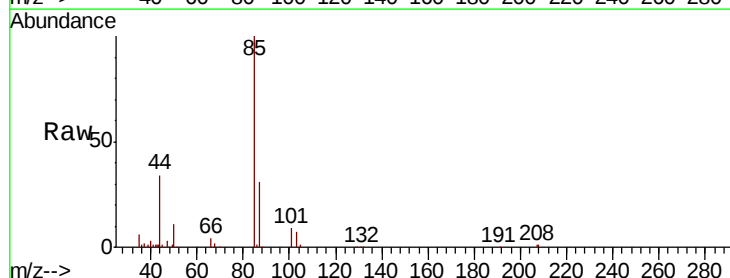
Acq: 07 Aug 2018 20:45

Tgt Ion: 85 Resp: 89188

Ion Ratio Lower Upper

85 100

87 30.7 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

25000

20000

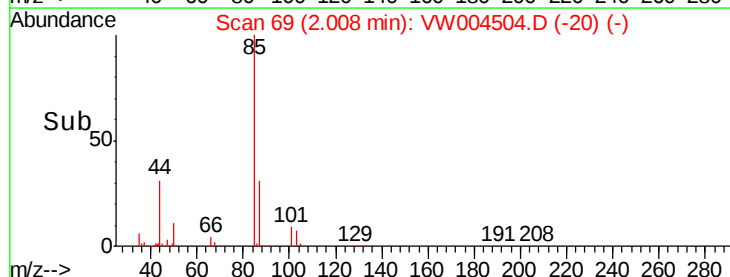
15000

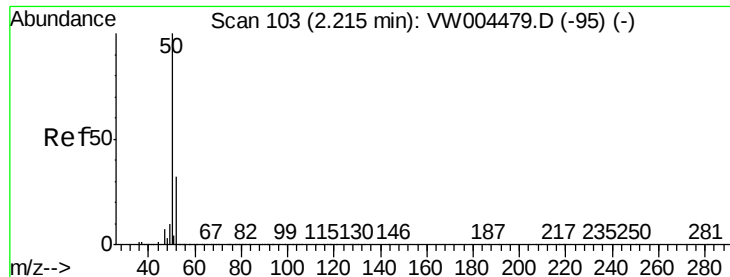
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 19.445 ug/l

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

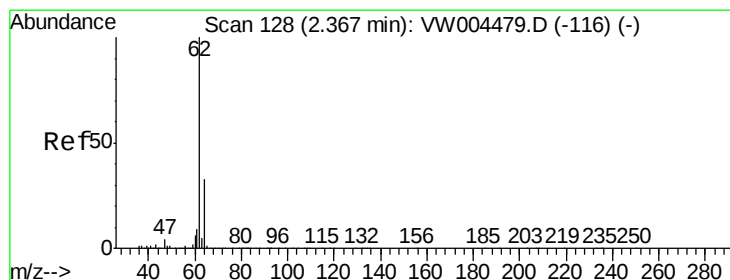
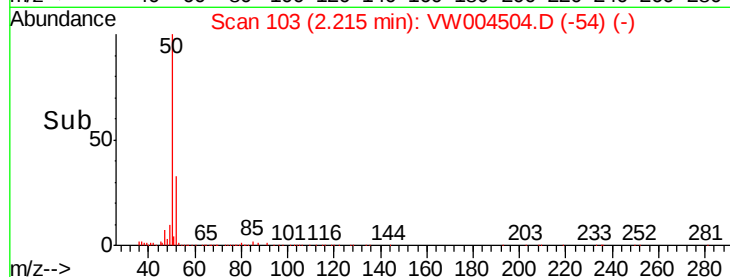
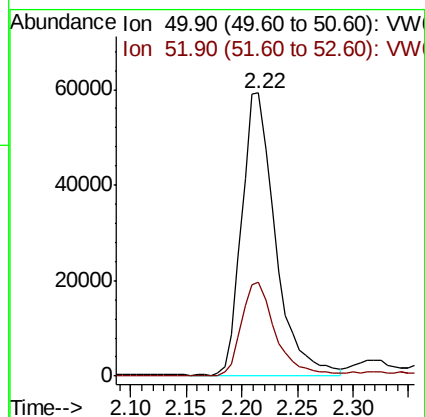
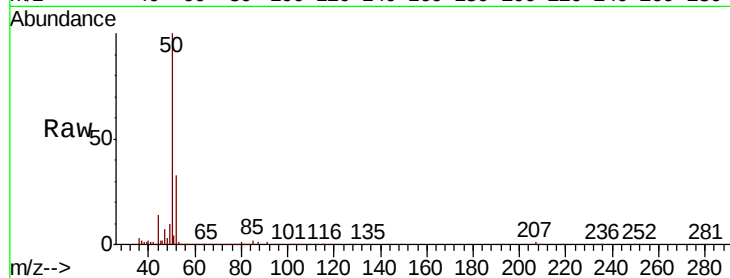
VW0808SBSD01

Tgt Ion: 50 Resp: 124414

Ion Ratio Lower Upper

50 100

52 33.1 25.8 38.8



#4

Vinyl Chloride

Concen: 20.727 ug/l

RT: 2.37 min Scan# 128

Delta R.T. 0.00 min

Lab File: VW004504.D

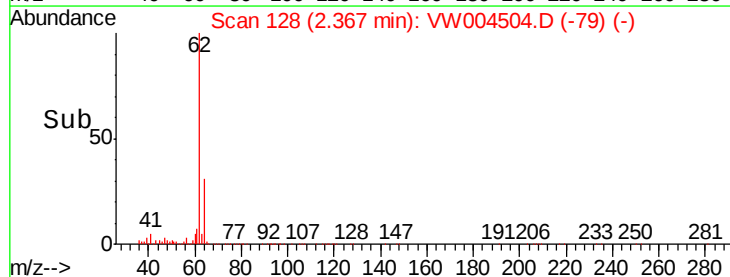
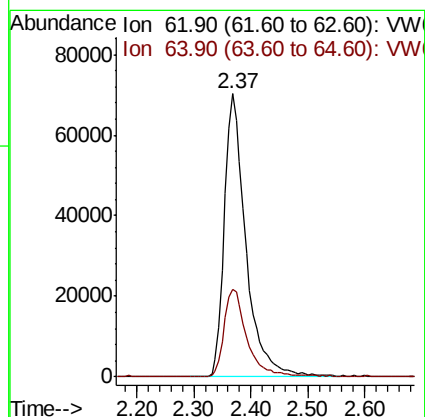
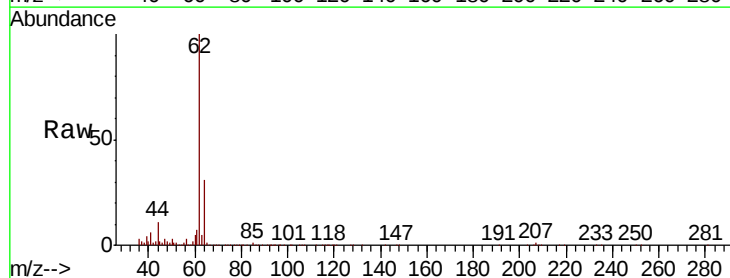
Acq: 07 Aug 2018 20:45

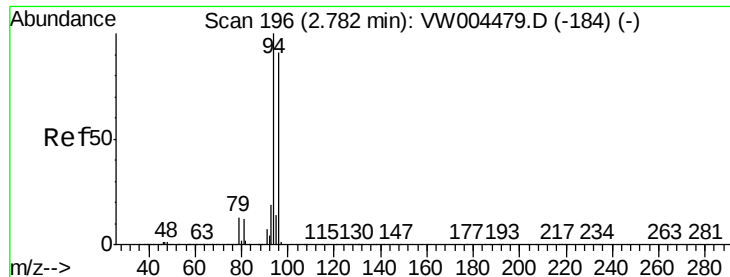
Tgt Ion: 62 Resp: 185257

Ion Ratio Lower Upper

62 100

64 30.6 26.2 39.2





#5

Bromomethane

Concen: 21.647 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

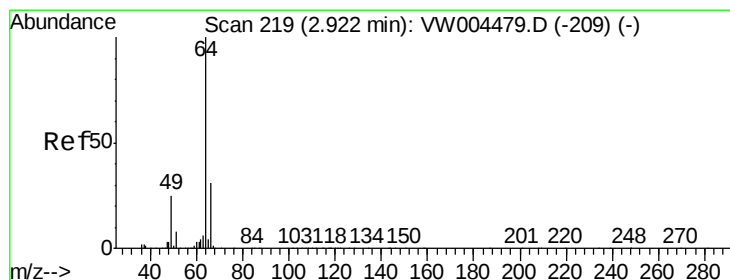
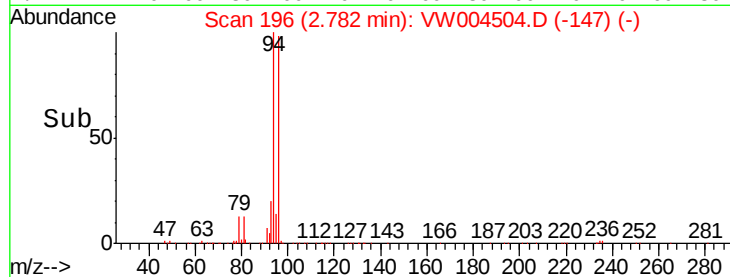
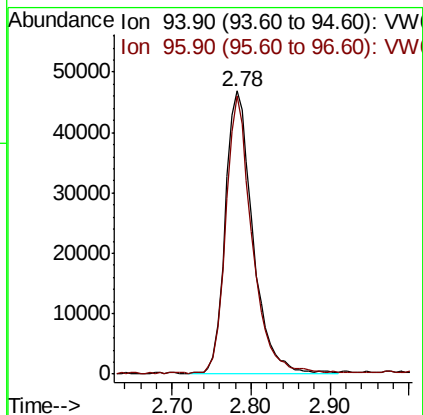
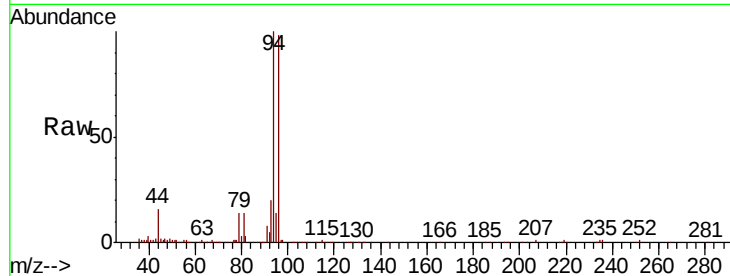
VW0808SBS01

Tgt Ion: 94 Resp: 112658

Ion Ratio Lower Upper

94 100

96 98.3 72.9 109.3



#6

Chloroethane

Concen: 21.291 ug/l

RT: 2.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VW004504.D

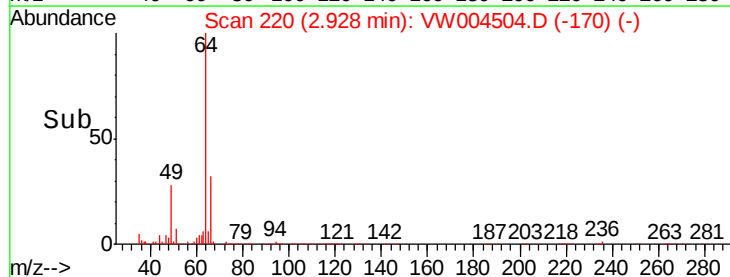
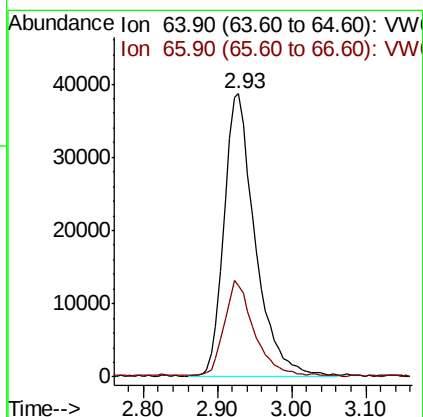
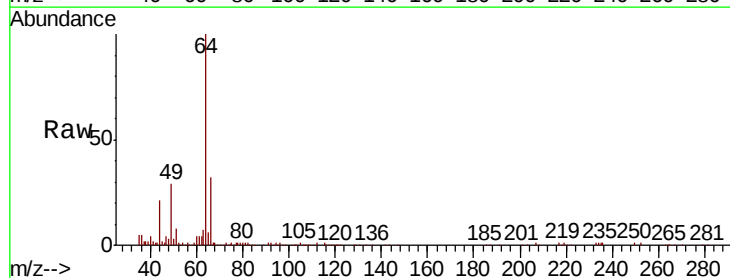
Acq: 07 Aug 2018 20:45

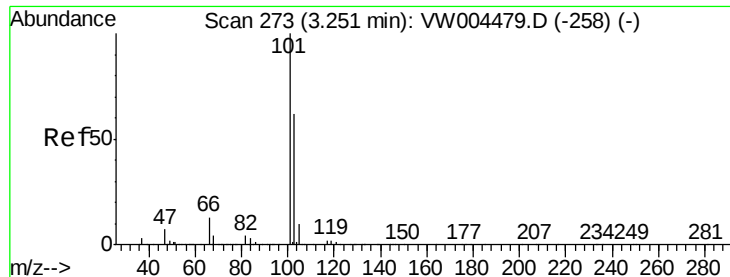
Tgt Ion: 64 Resp: 113710

Ion Ratio Lower Upper

64 100

66 31.7 24.6 36.8



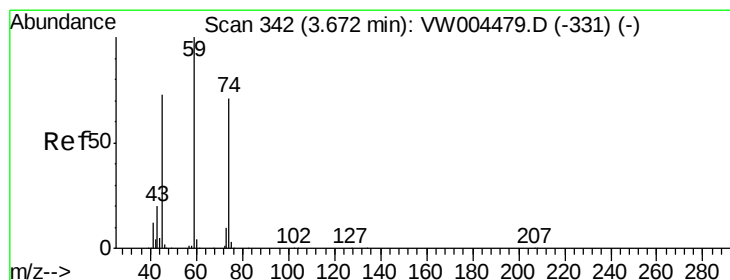
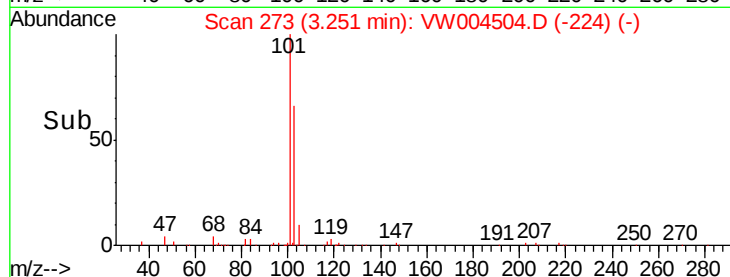
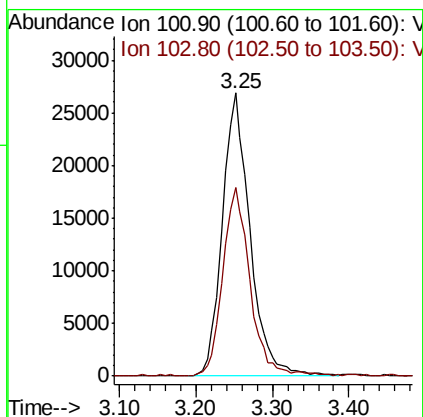
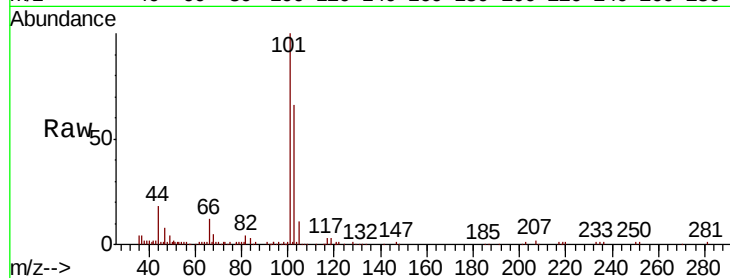


#7

Trichlorofluoromethane
Concen: 20.430 ug/l
RT: 3.25 min Scan# 273
Delta R.T. 0.00 min
Lab File: VW004504.D
Acq: 07 Aug 2018 20:45

Instrument :
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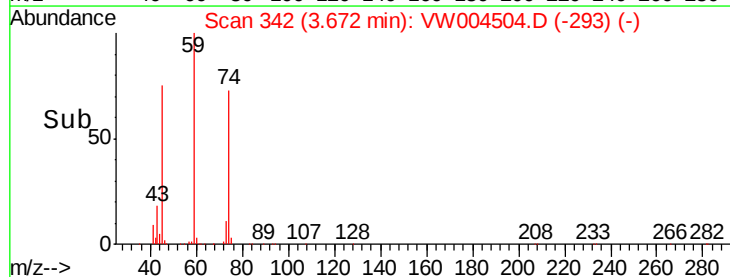
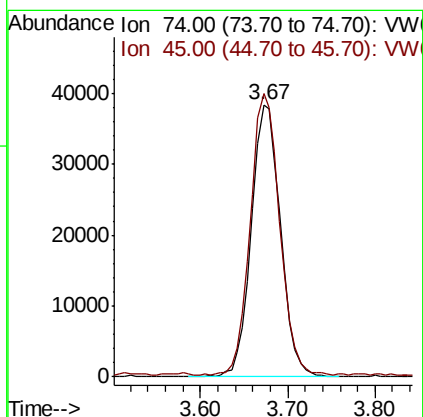
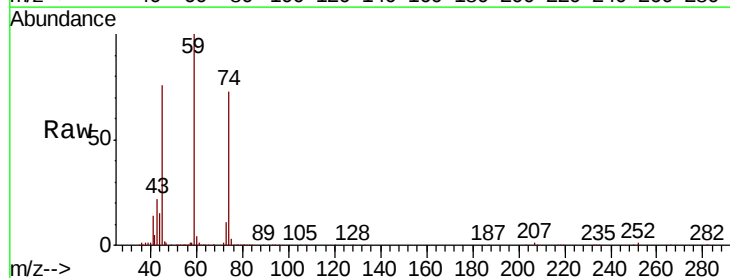
Tgt Ion:101 Resp: 67443
Ion Ratio Lower Upper
101 100
103 66.4 49.8 74.8

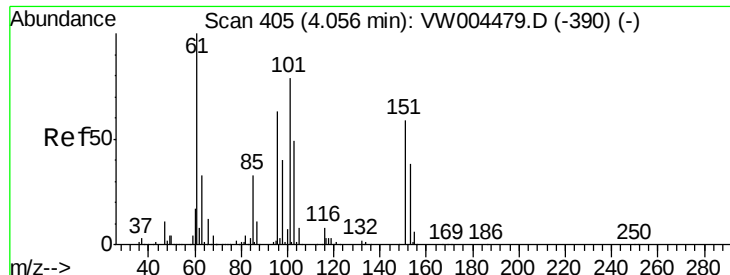


#8

Diethyl Ether
Concen: 21.386 ug/l
RT: 3.67 min Scan# 342
Delta R.T. 0.00 min
Lab File: VW004504.D
Acq: 07 Aug 2018 20:45

Tgt Ion: 74 Resp: 89309
Ion Ratio Lower Upper
74 100
45 103.6 51.2 153.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.100 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBSD01

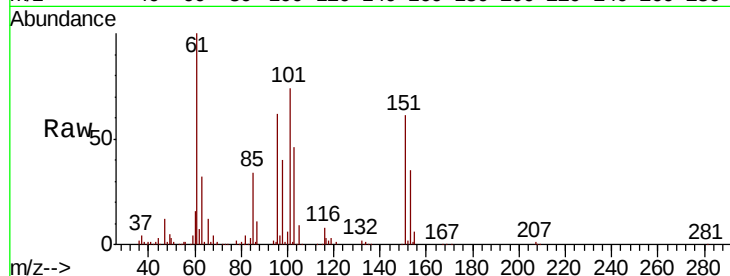
Tgt Ion:101 Resp: 146555

Ion Ratio Lower Upper

101 100

85 42.8 34.6 51.8

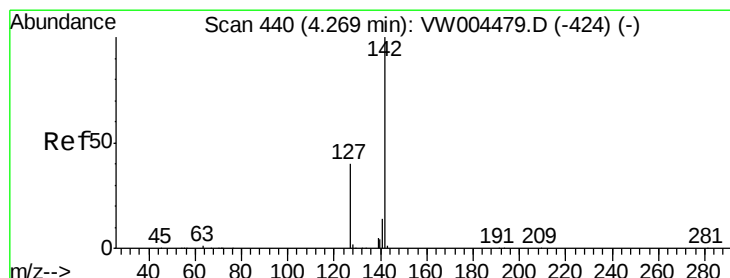
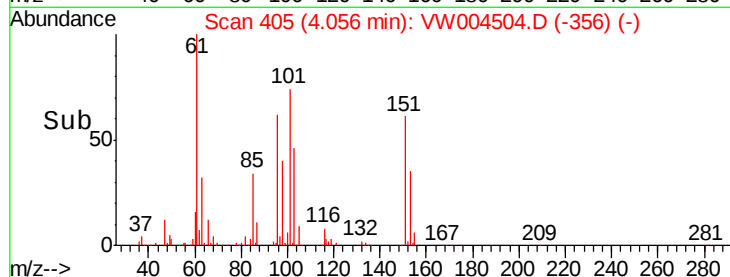
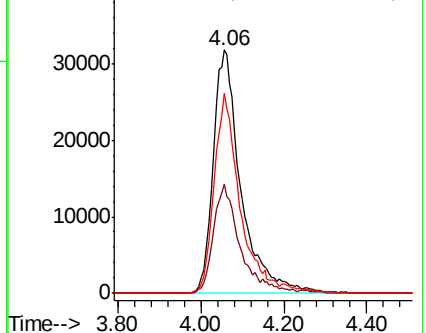
151 74.9 61.3 91.9



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: 21.267 ug/l

RT: 4.26 min Scan# 439

Delta R.T. -0.01 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

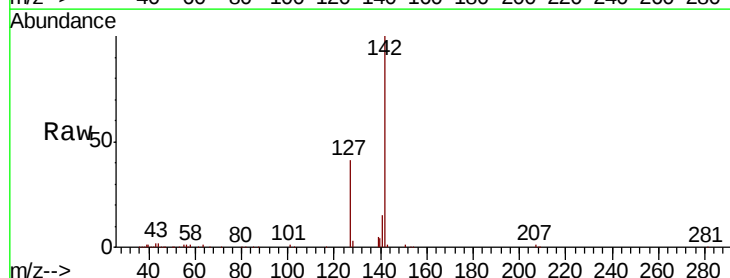
Tgt Ion:142 Resp: 232648

Ion Ratio Lower Upper

142 100

127 40.8 32.7 49.1

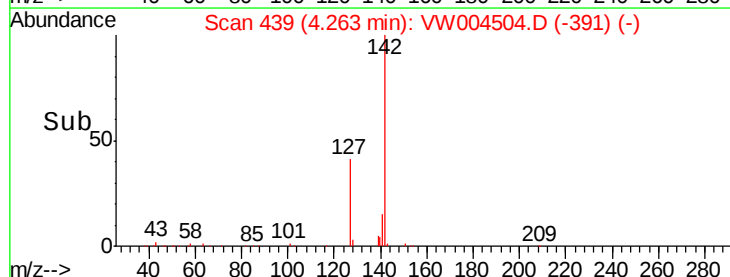
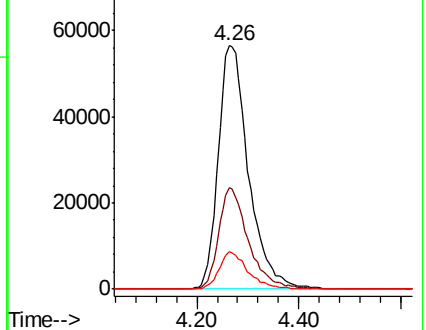
141 14.6 11.5 17.3

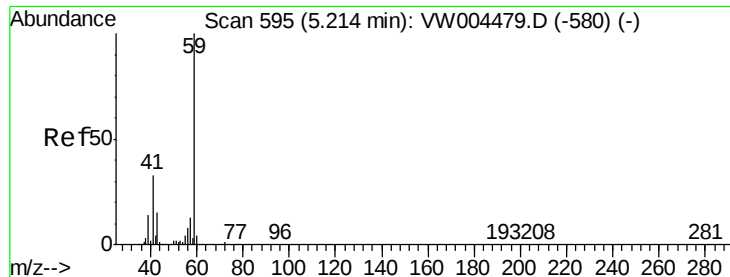


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

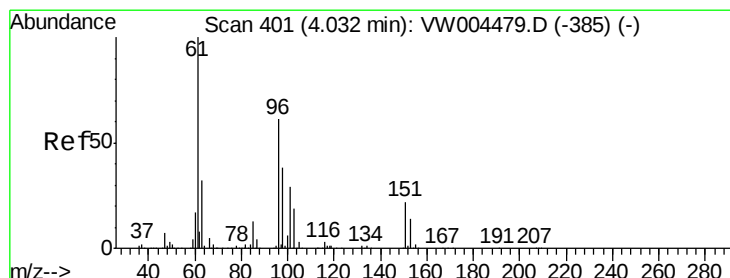
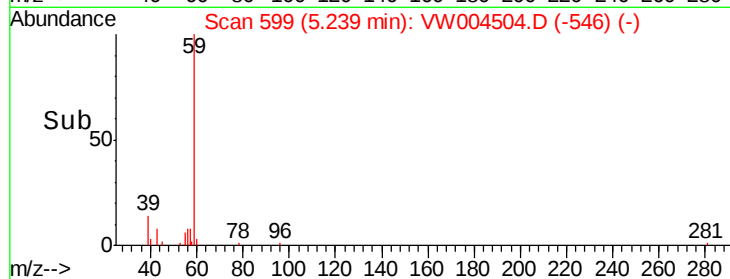
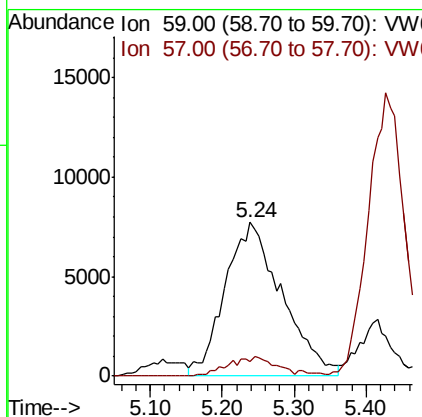
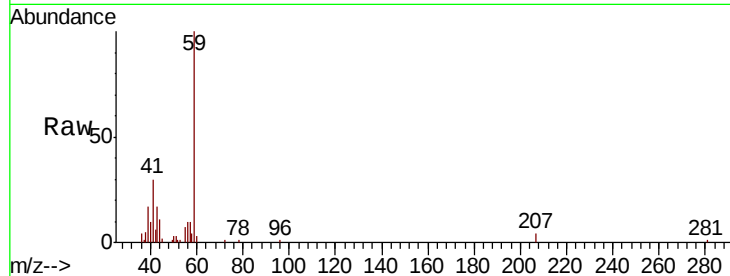




#11
Tert butyl alcohol
Concen: 96.954 ug/l
RT: 5.24 min Scan# 599
Delta R.T. 0.02 min
Lab File: VW004504.D
Acq: 07 Aug 2018 20:45

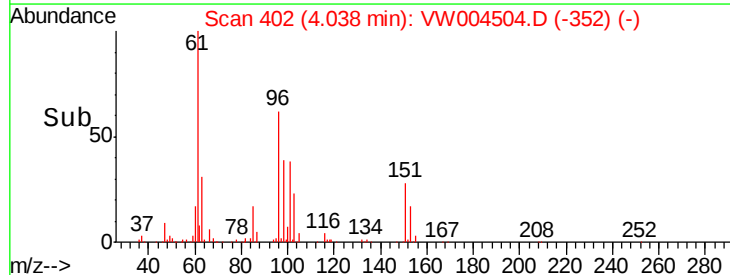
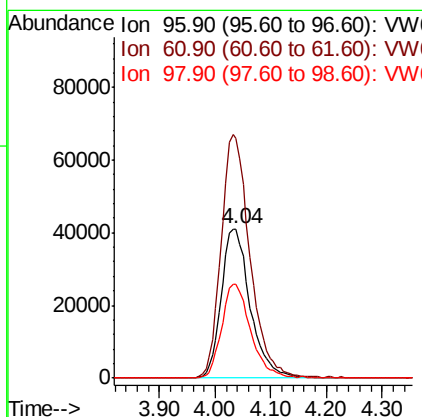
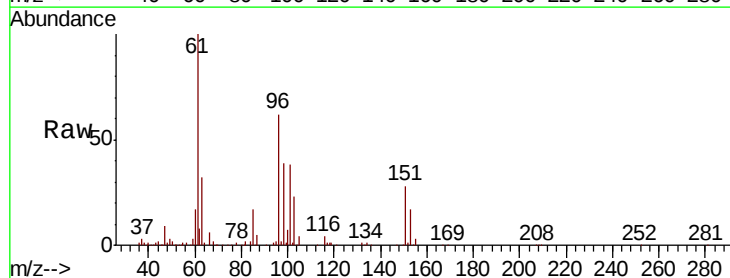
Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

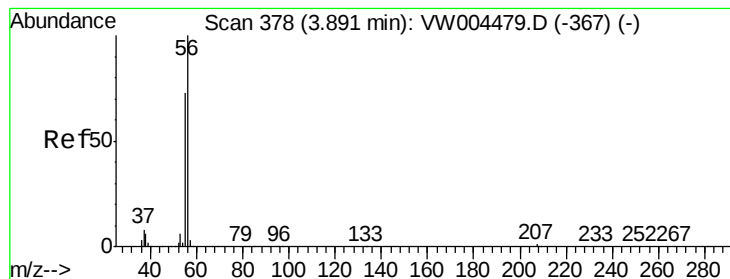
Tgt Ion: 59 Resp: 42055
Ion Ratio Lower Upper
59 100
57 10.4 9.1 13.7



#12
1,1-Dichloroethene
Concen: 20.226 ug/l
RT: 4.04 min Scan# 402
Delta R.T. 0.01 min
Lab File: VW004504.D
Acq: 07 Aug 2018 20:45

Tgt Ion: 96 Resp: 148441
Ion Ratio Lower Upper
96 100
61 160.9 130.6 195.8
98 62.4 49.6 74.4





#13

Acrolein

Concen: 111.896 ug/l

RT: 3.90 min Scan# 379

Delta R.T. 0.01 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

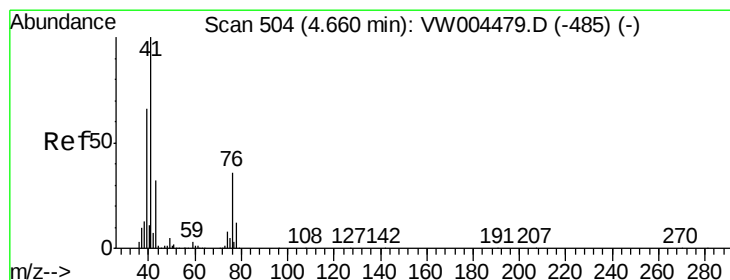
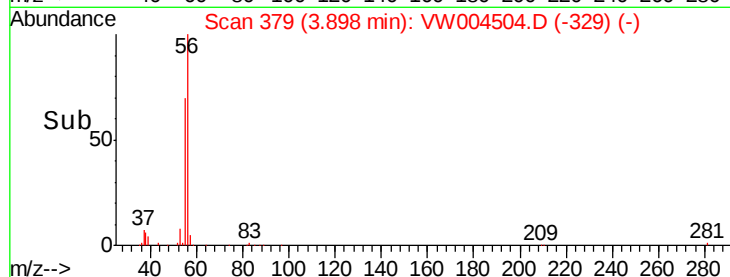
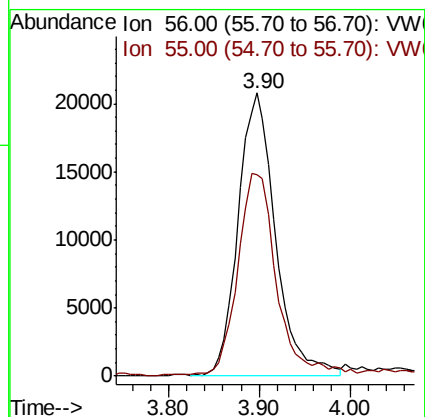
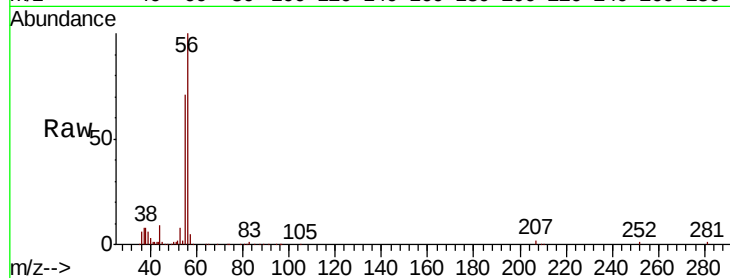
VW0808SBS01

Tgt Ion: 56 Resp: 59469

Ion Ratio Lower Upper

56 100

55 72.9 56.7 85.1



#14

Allyl chloride

Concen: 20.878 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

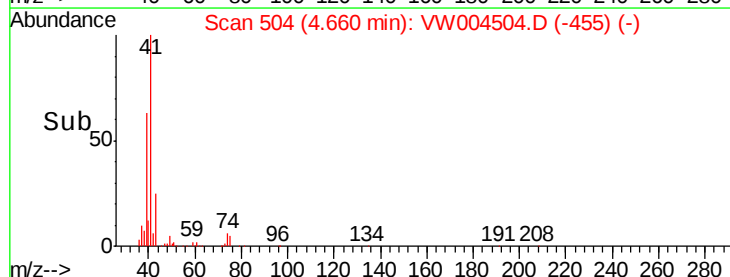
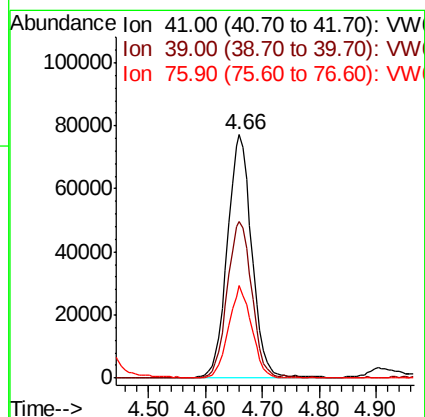
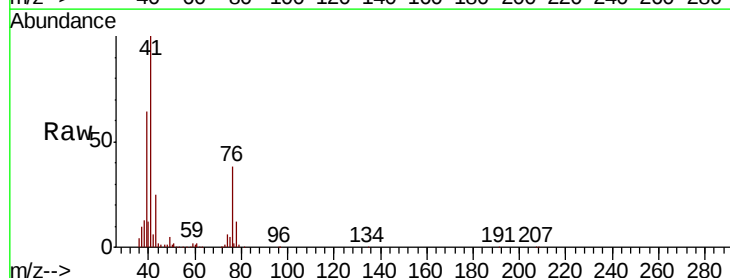
Tgt Ion: 41 Resp: 230209

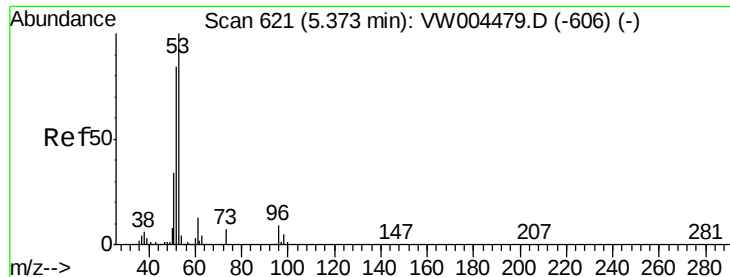
Ion Ratio Lower Upper

41 100

39 64.8 51.9 77.9

76 36.1 29.0 43.6

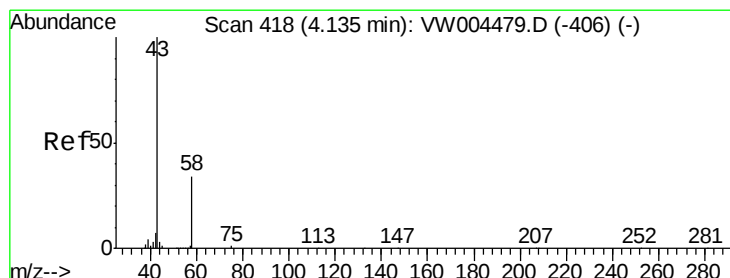
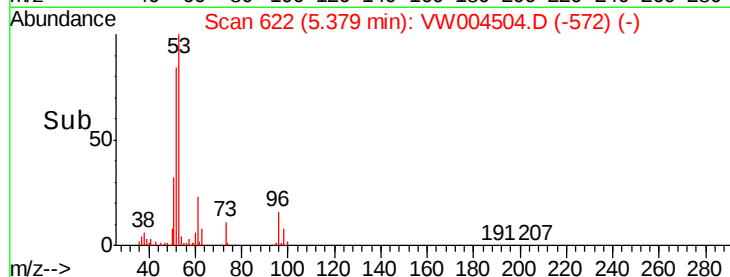
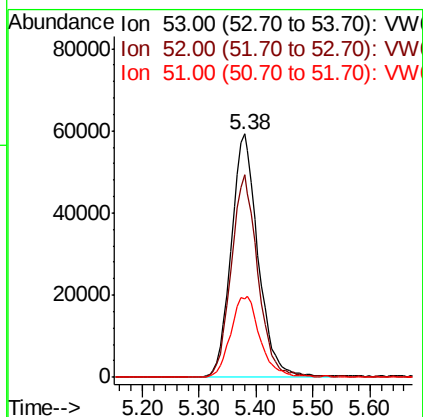
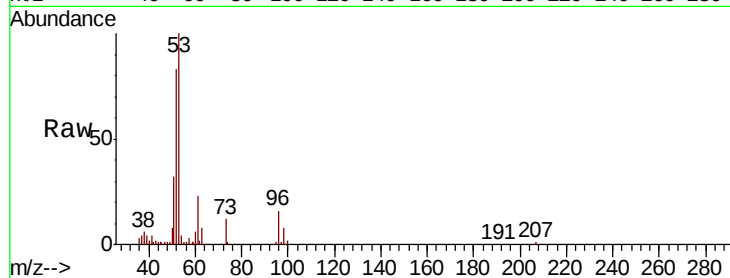




#15
 Acrylonitrile
 Concen: 105.834 ug/l
 RT: 5.38 min Scan# 622
 Delta R.T. 0.01 min
 Lab File: VW004504.D
 Acq: 07 Aug 2018 20:45

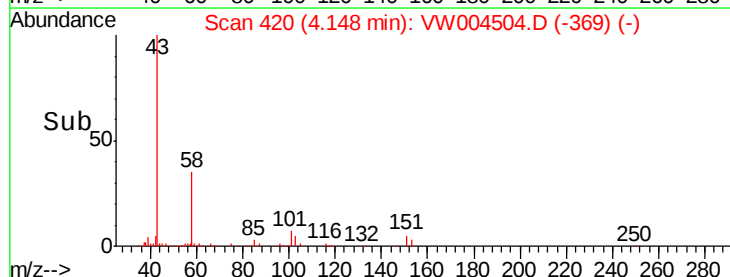
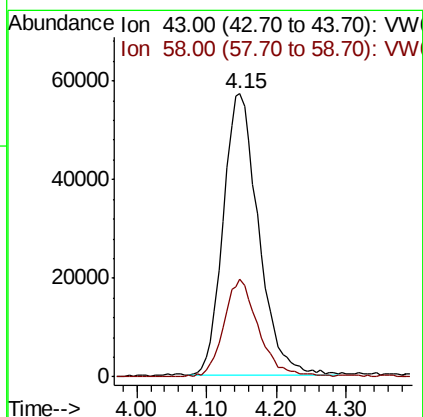
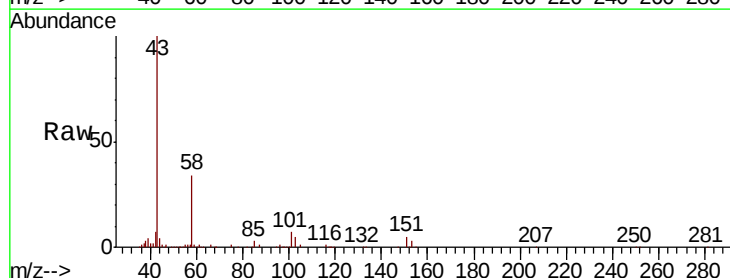
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBS01

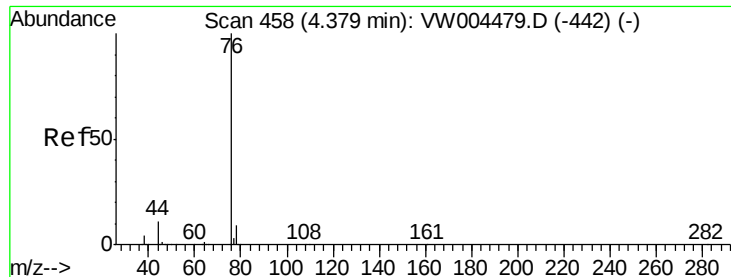
Tgt Ion:	53	Resp:	196404
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.5	99.7
51	35.6	28.4	42.6



#16
 Acetone
 Concen: 108.765 ug/l
 RT: 4.15 min Scan# 420
 Delta R.T. 0.01 min
 Lab File: VW004504.D
 Acq: 07 Aug 2018 20:45

Tgt Ion:	43	Resp:	201223
Ion	Ratio	Lower	Upper
43	100		
58	34.1	26.8	40.2

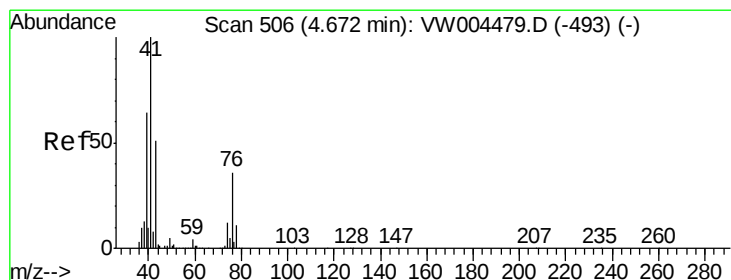
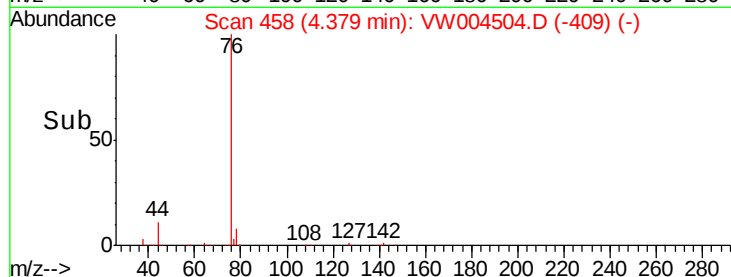
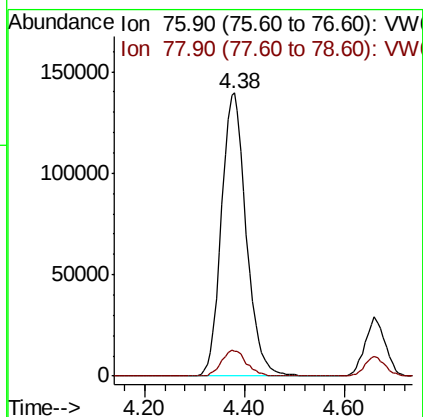
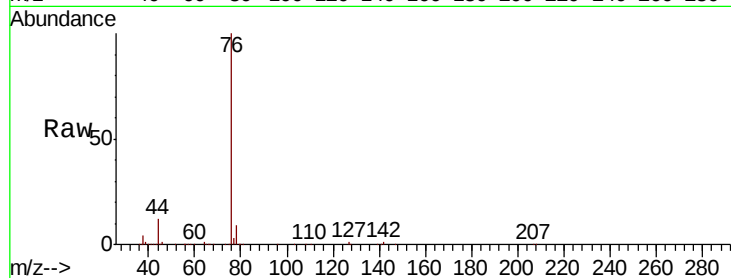




#17
Carbon Disulfide
Concen: 20.427 ug/l
RT: 4.38 min Scan# 458
Delta R.T. 0.00 min
Lab File: VW004504.D
Acq: 07 Aug 2018 20:45

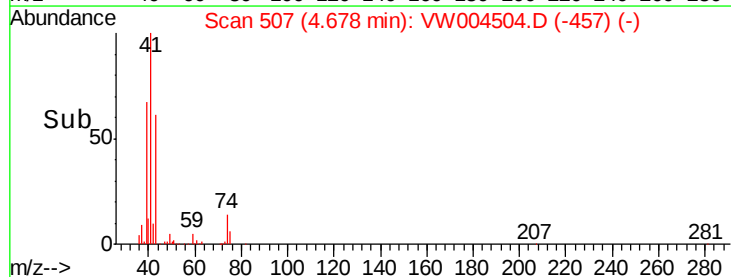
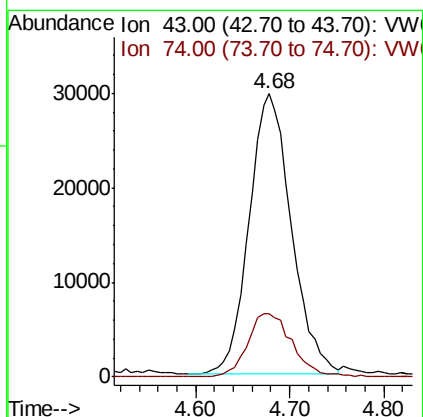
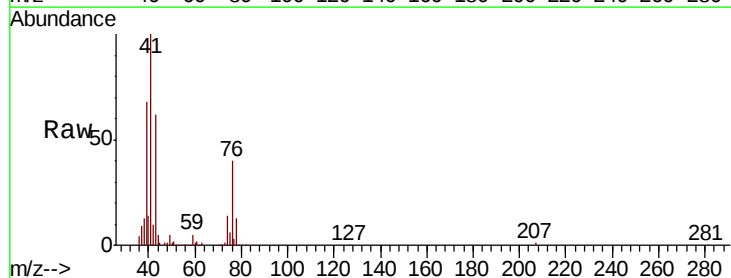
Instrument :
MSVOA_W
ClientSampleId :
VW0808SBSD01

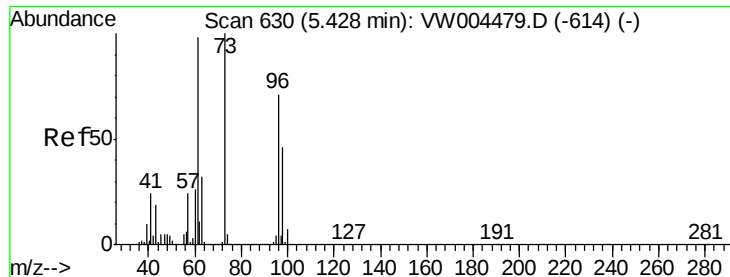
Tgt Ion: 76 Resp: 481792
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.4



#18
Methyl Acetate
Concen: 20.153 ug/l
RT: 4.68 min Scan# 507
Delta R.T. 0.01 min
Lab File: VW004504.D
Acq: 07 Aug 2018 20:45

Tgt Ion: 43 Resp: 92970
Ion Ratio Lower Upper
43 100
74 24.1 19.1 28.7

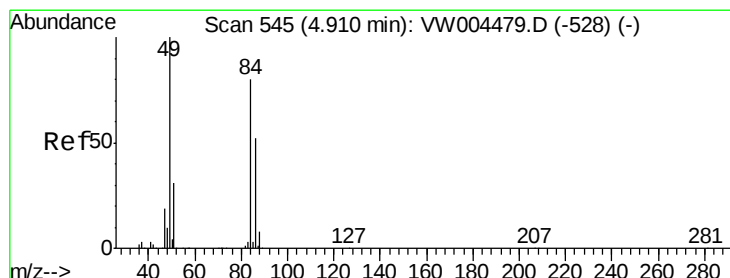
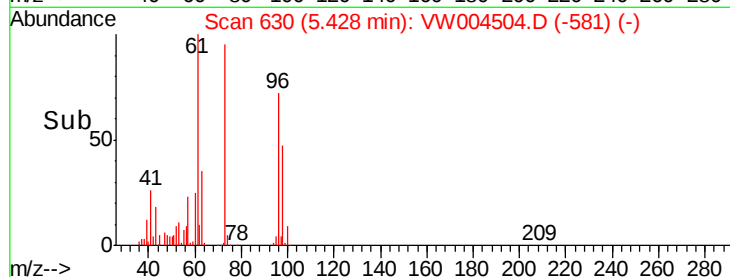
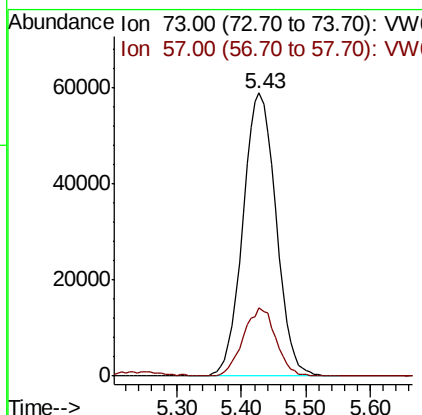
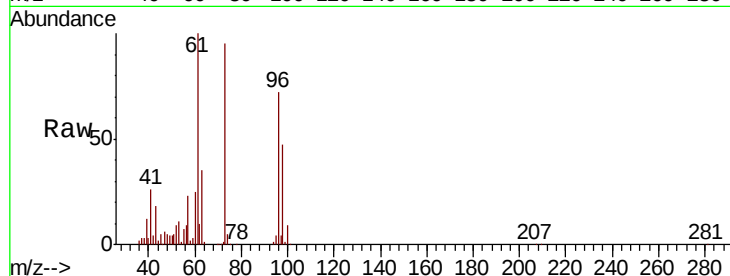




#19
Methyl tert-butyl Ether
Concen: 20.811 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW004504.D
Acq: 07 Aug 2018 20:45

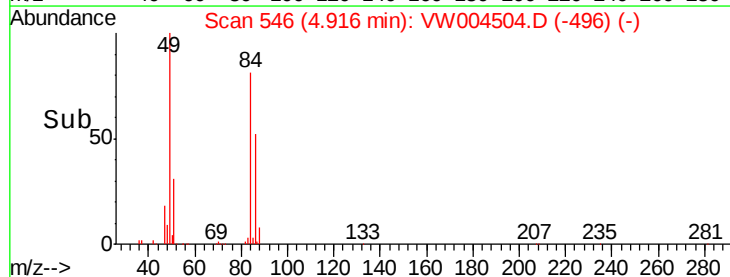
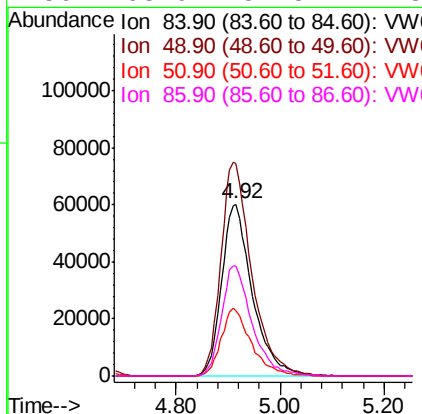
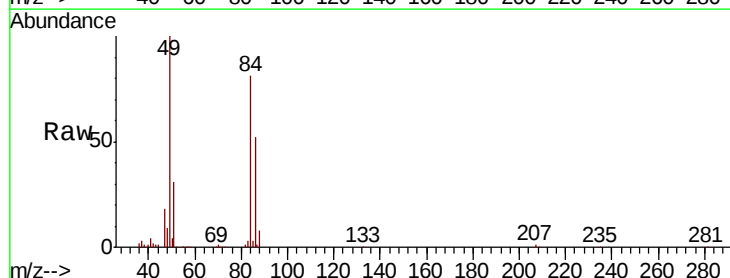
Instrument :
MSVOA_W
ClientSampleId :
VW0808SBSD01

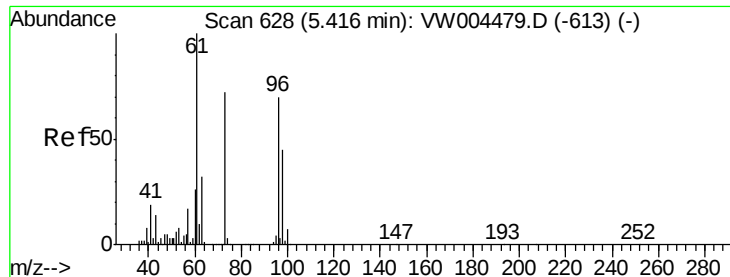
Tgt Ion: 73 Resp: 208327
Ion Ratio Lower Upper
73 100
57 24.1 19.6 29.4



#20
Methylene Chloride
Concen: 22.568 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW004504.D
Acq: 07 Aug 2018 20:45

Tgt Ion: 84 Resp: 247848
Ion Ratio Lower Upper
84 100
49 123.9 99.6 149.4
51 37.9 31.0 46.4
86 63.9 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 20.384 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBS01

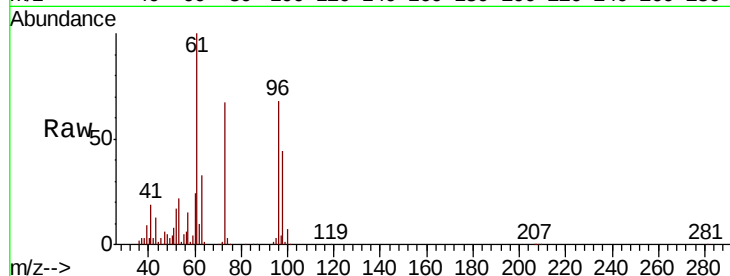
Tgt Ion: 96 Resp: 161214

Ion Ratio Lower Upper

96 100

61 146.6 114.1 171.1

98 64.6 51.4 77.2

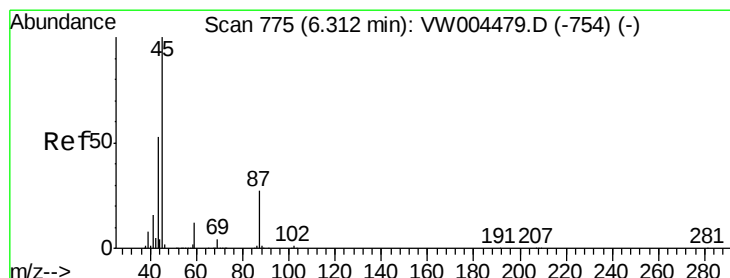
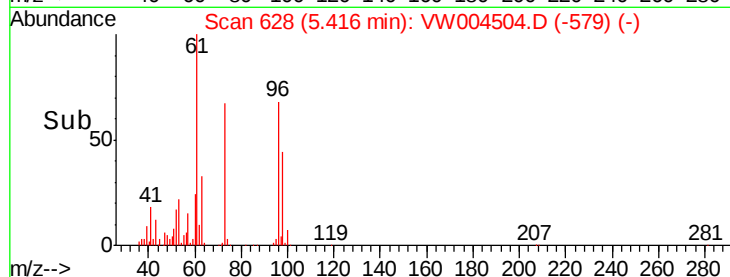
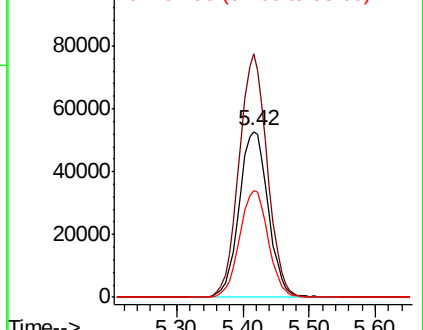


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 22.239 ug/l

RT: 6.31 min Scan# 775

Delta R.T. 0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

Tgt Ion: 45 Resp: 503913

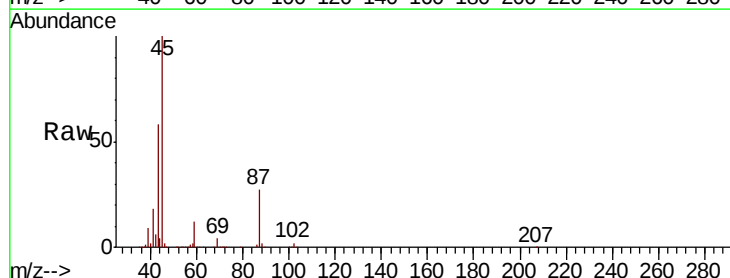
Ion Ratio Lower Upper

45 100

43 57.4 42.4 63.6

87 26.5 21.6 32.4

59 11.5 9.6 14.4



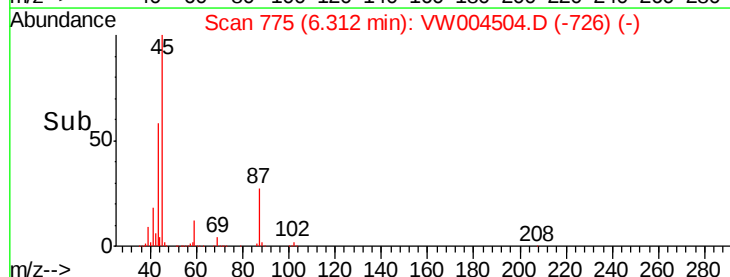
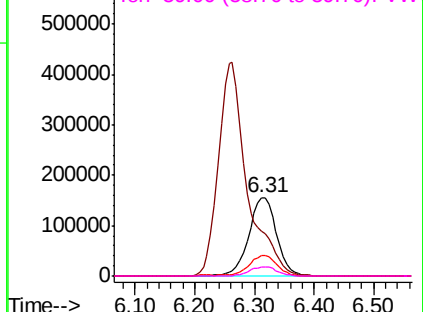
Abundance

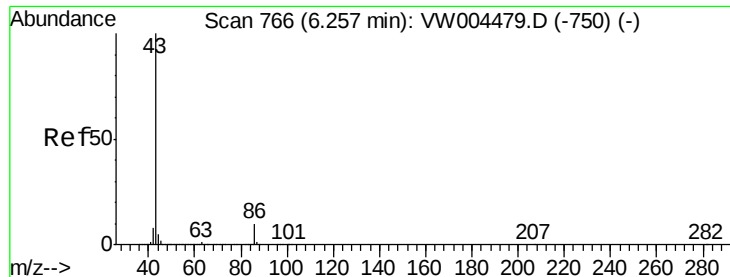
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 103.748 ug/l

RT: 6.26 min Scan# 767

Delta R.T. 0.01 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

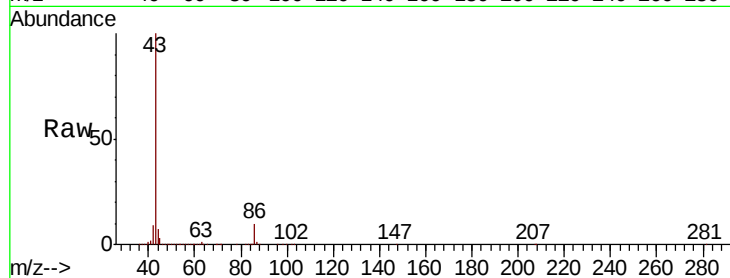
VW0808SBS01

Tgt Ion: 43 Resp: 1412876

Ion Ratio Lower Upper

43 100

86 10.2 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

400000

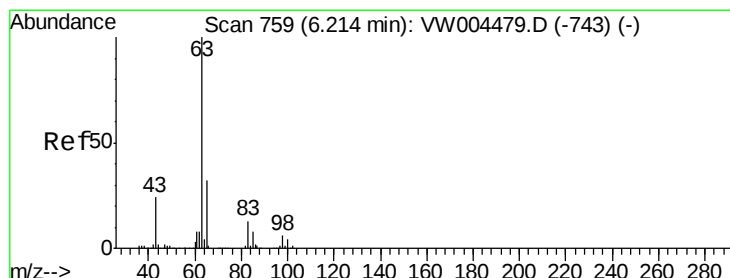
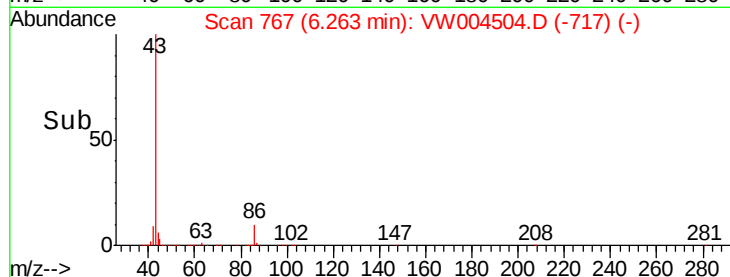
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.959 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

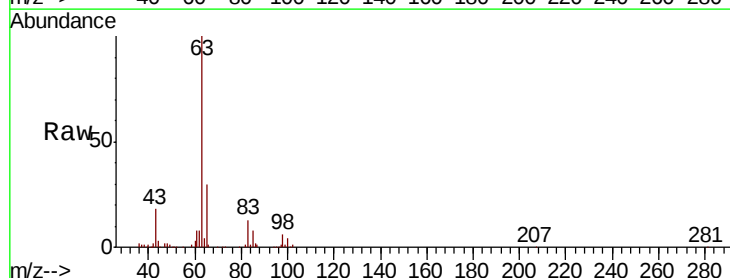
Tgt Ion: 63 Resp: 303984

Ion Ratio Lower Upper

63 100

98 6.4 3.1 9.3

100 4.3 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

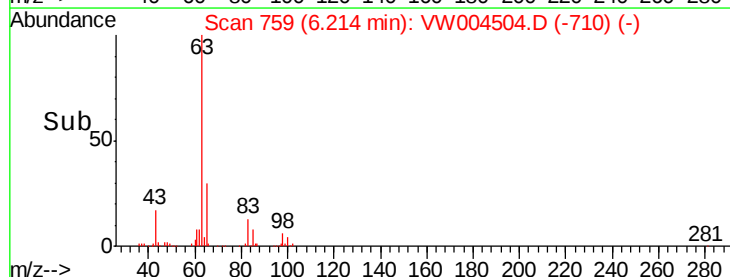
6.21

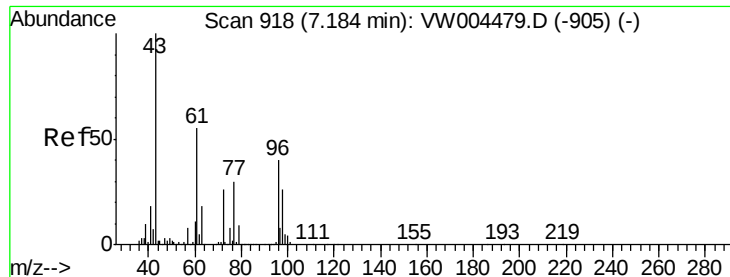
100000

50000

0

Time-->

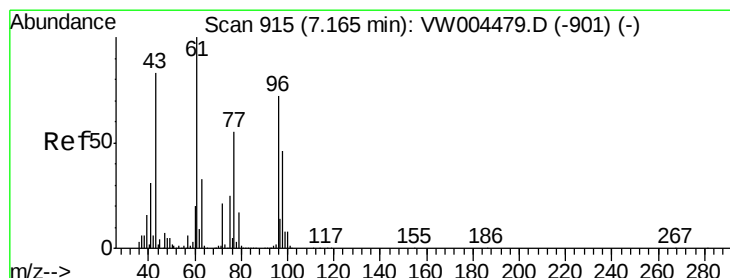
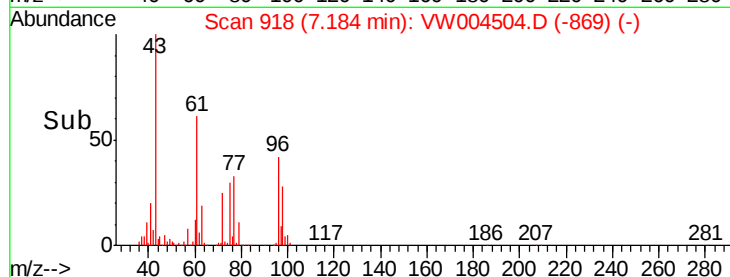
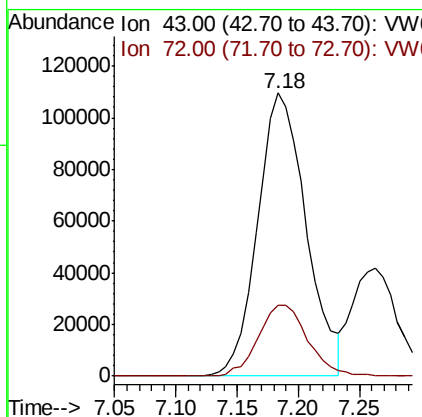
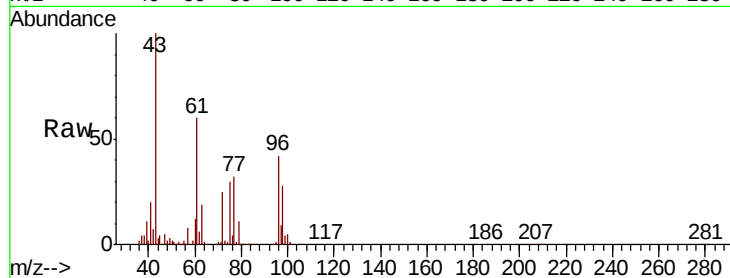




#25
 2-Butanone
 Concen: 101.438 ug/l
 RT: 7.18 min Scan# 918
 Delta R.T. 0.00 min
 Lab File: VW004504.D
 Acq: 07 Aug 2018 20:45

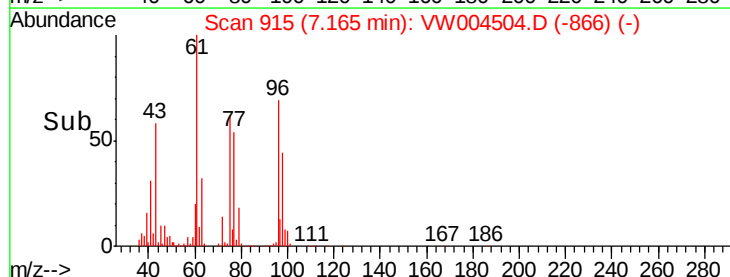
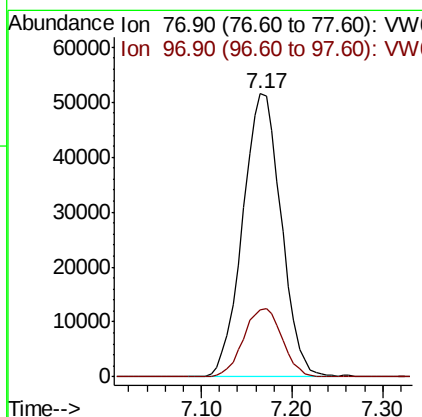
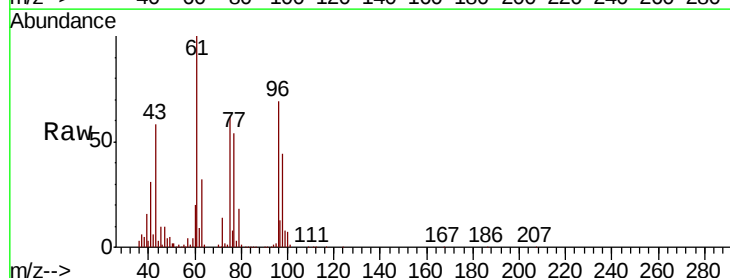
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBSD01

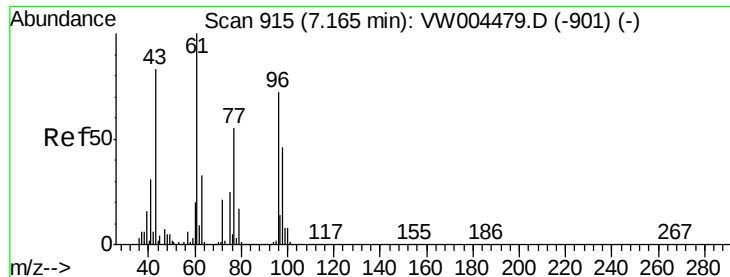
Tgt Ion: 43 Resp: 301881
 Ion Ratio Lower Upper
 43 100
 72 25.2 21.0 31.6



#26
 2,2-Dichloropropane
 Concen: 19.929 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. 0.00 min
 Lab File: VW004504.D
 Acq: 07 Aug 2018 20:45

Tgt Ion: 77 Resp: 151702
 Ion Ratio Lower Upper
 77 100
 97 24.2 12.5 37.5



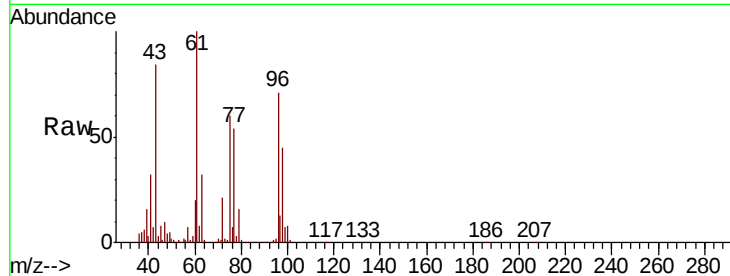


#27

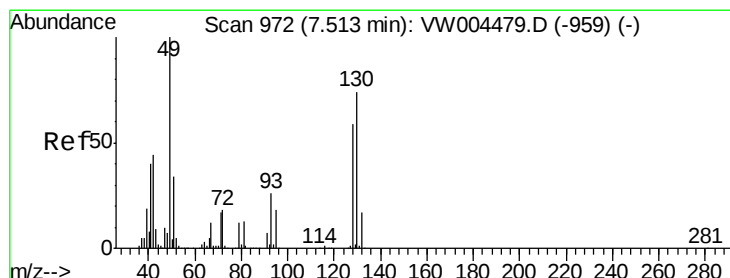
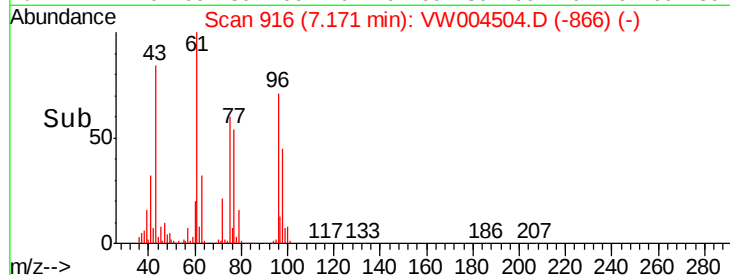
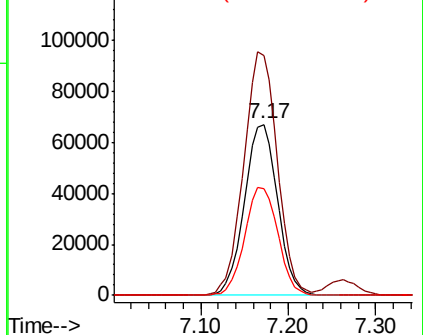
cis-1,2-Dichloroethene
 Concen: 20.782 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. 0.01 min
 Lab File: VW004504.D
 Acq: 07 Aug 2018 20:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBS01

Tgt Ion: 96 Resp: 176835
 Ion Ratio Lower Upper
 96 100
 61 144.0 0.0 285.0
 98 63.7 0.0 128.6



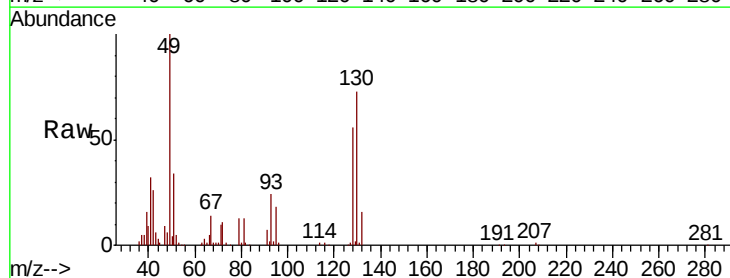
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



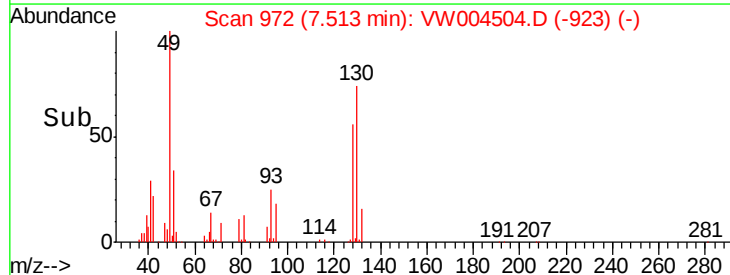
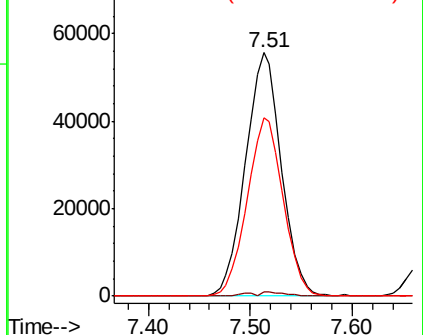
#28

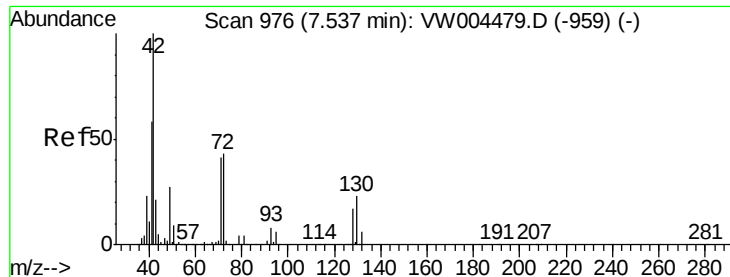
Bromochloromethane
 Concen: 21.541 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VW004504.D
 Acq: 07 Aug 2018 20:45

Tgt Ion: 49 Resp: 135934
 Ion Ratio Lower Upper
 49 100
 129 1.2 0.0 4.0
 130 73.7 58.8 88.2



Abundance Ion 48.90 (48.60 to 49.60): VW
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

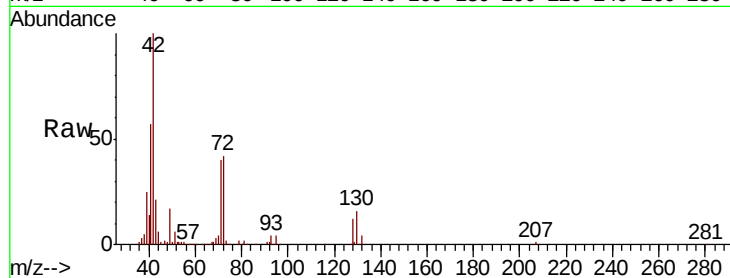




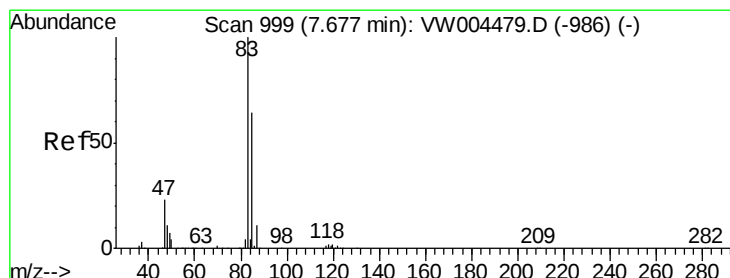
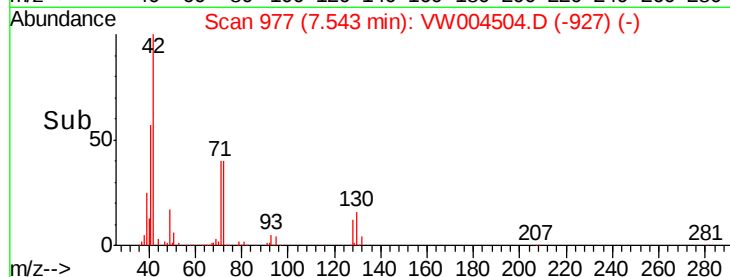
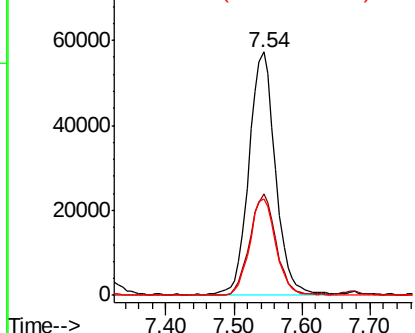
#29
Tetrahydrofuran
Concen: 100.902 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW004504.D
Acq: 07 Aug 2018 20:45

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBSD01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.4	34.1	51.1
71	39.3	32.5	48.7

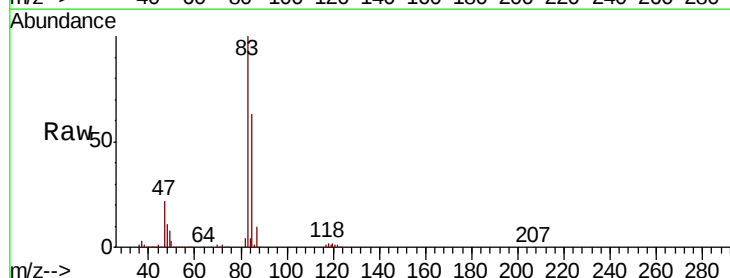


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

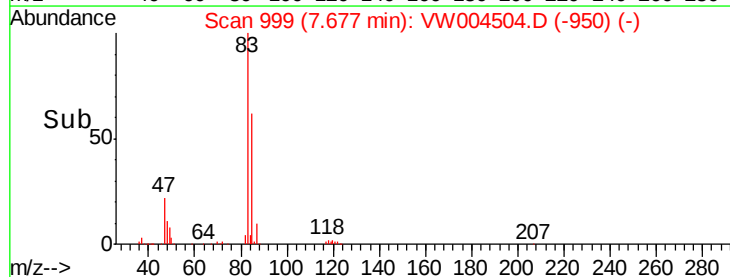
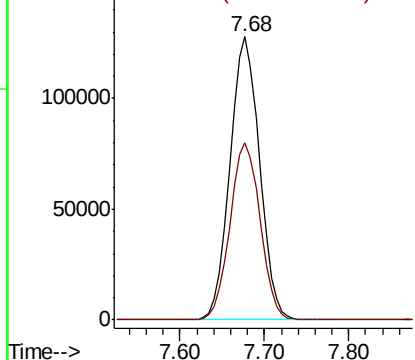


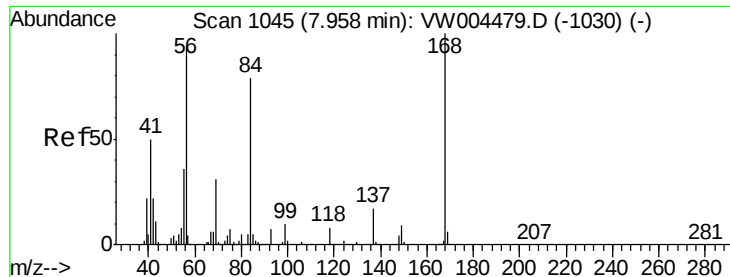
#30
Chloroform
Concen: 21.285 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW004504.D
Acq: 07 Aug 2018 20:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.3	76.9



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW

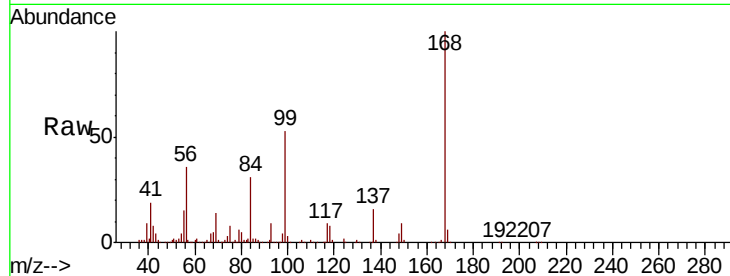




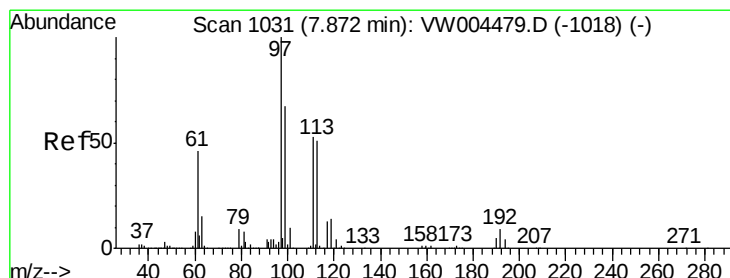
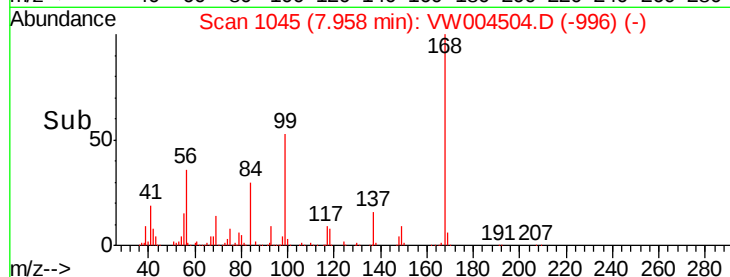
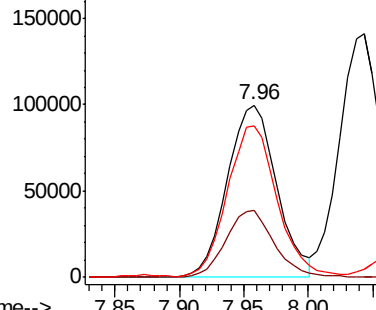
#31
Cyclohexane
Concen: 19.160 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004504.D
Acq: 07 Aug 2018 20:45

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

Tgt Ion: 56 Resp: 265896
Ion Ratio Lower Upper
56 100
69 39.0 26.4 39.6
84 87.0 66.9 100.3

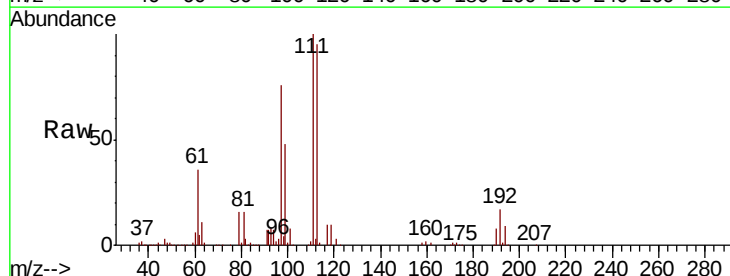


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

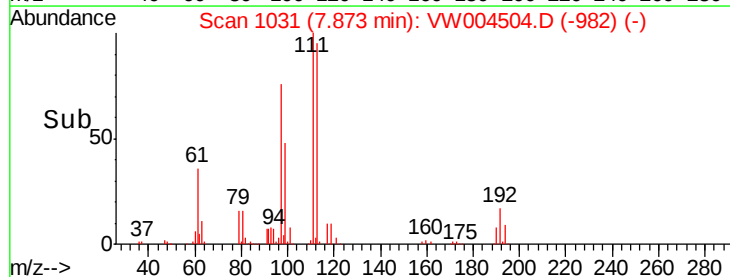
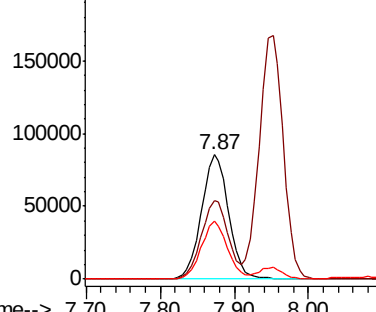


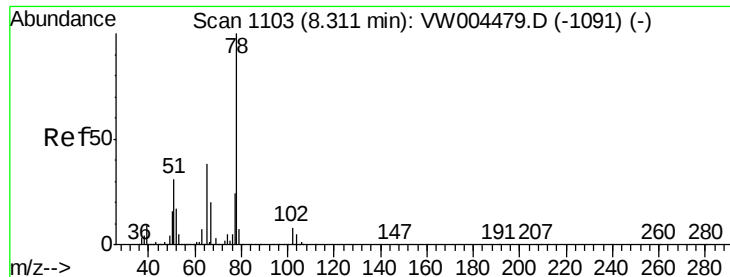
#32
1,1,1-Trichloroethane
Concen: 20.341 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004504.D
Acq: 07 Aug 2018 20:45

Tgt Ion: 97 Resp: 217671
Ion Ratio Lower Upper
97 100
99 62.9 51.6 77.4
61 44.8 35.7 53.5



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

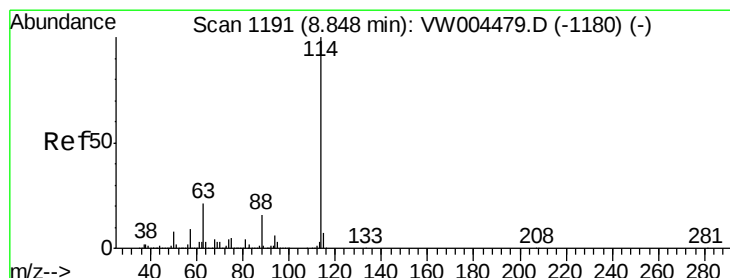
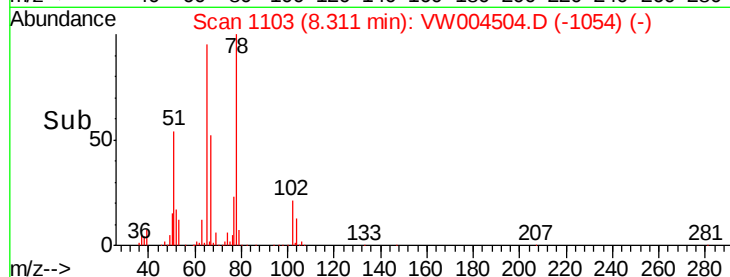
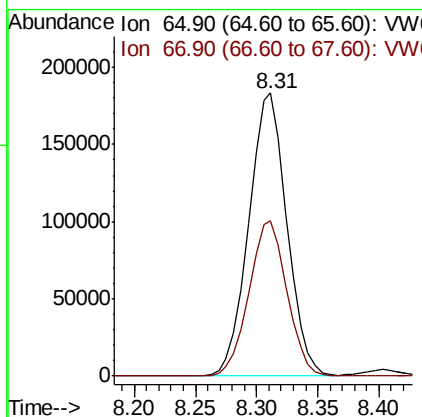
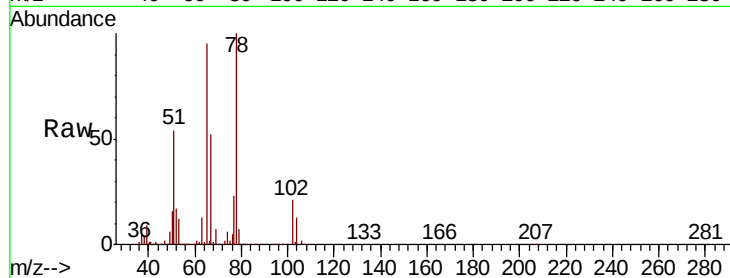




#33
 1,2-Dichloroethane-d4
 Concen: 53.534 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW004504.D
 Acq: 07 Aug 2018 20:45

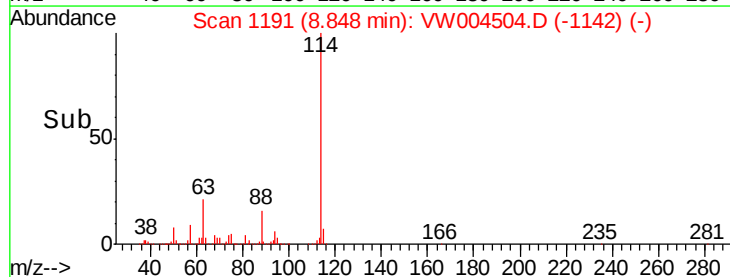
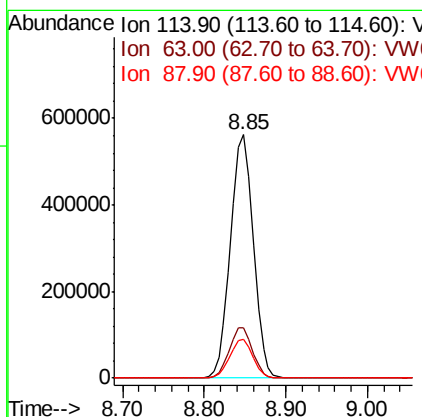
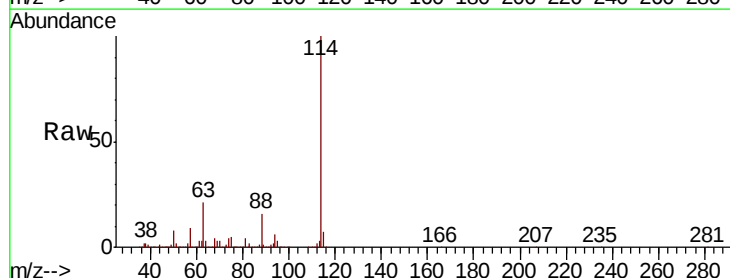
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBSD01

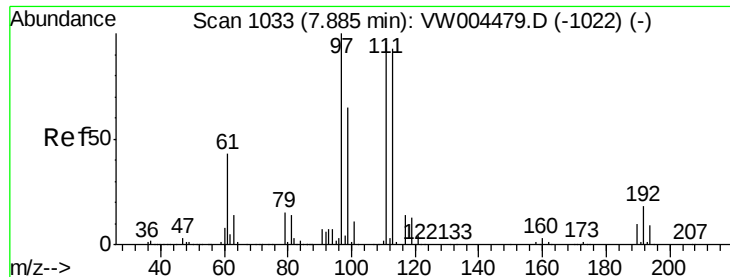
Tgt Ion: 65 Resp: 396590
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004504.D
 Acq: 07 Aug 2018 20:45

Tgt Ion: 114 Resp: 1086808
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.4
 88 15.8 0.0 31.2

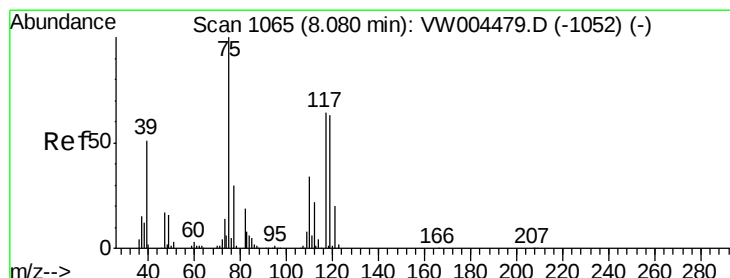
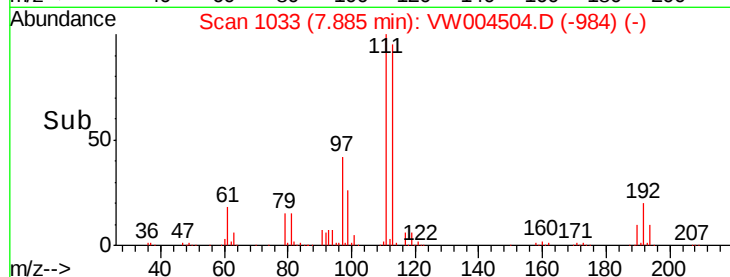
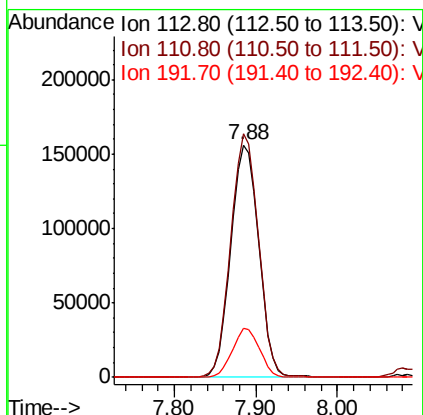
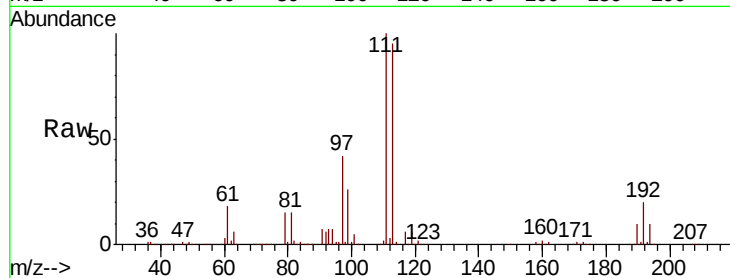




#35
 Dibromofluoromethane
 Concen: 50.984 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004504.D
 Acq: 07 Aug 2018 20:45

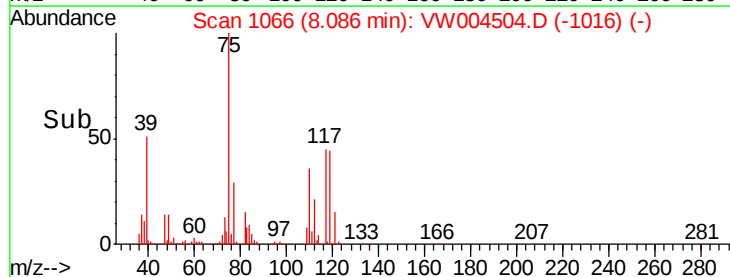
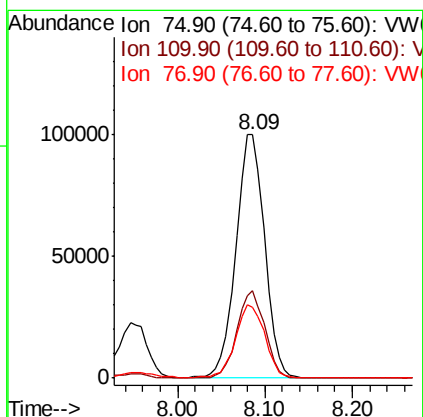
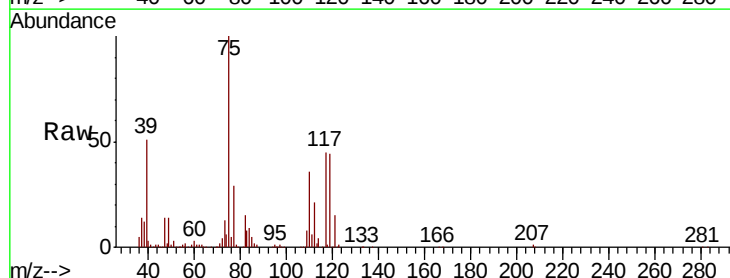
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBS01

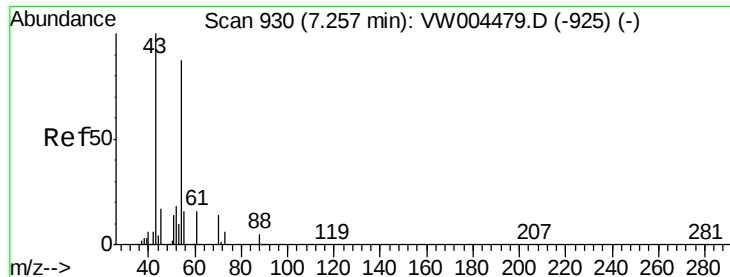
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.9	124.3
192	20.5	15.8	23.6



#36
 1,1-Dichloropropene
 Concen: 19.488 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW004504.D
 Acq: 07 Aug 2018 20:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.7	17.4	52.2
77	30.9	24.7	37.1

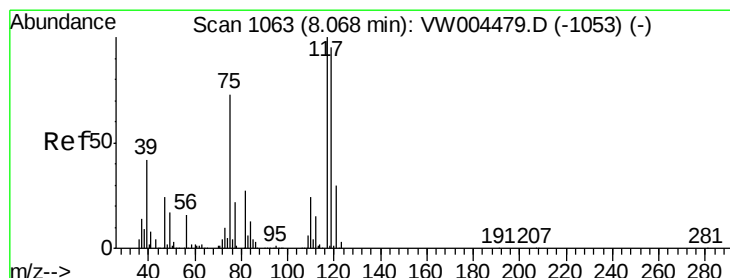
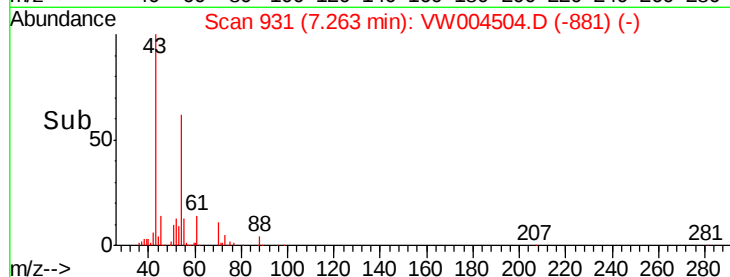
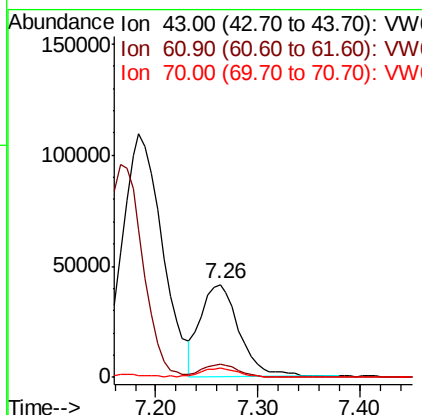
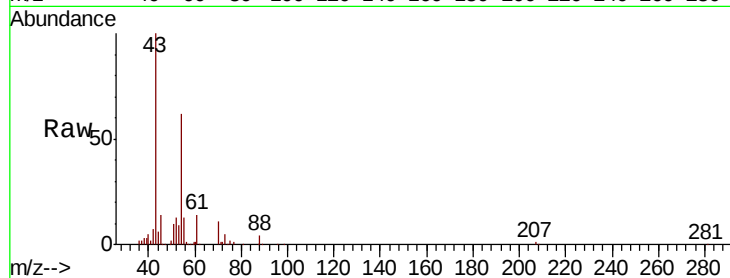




#37
 Ethyl Acetate
 Concen: 19.928 ug/l
 RT: 7.26 min Scan# 931
 Delta R.T. 0.01 min
 Lab File: VW004504.D
 Acq: 07 Aug 2018 20:45

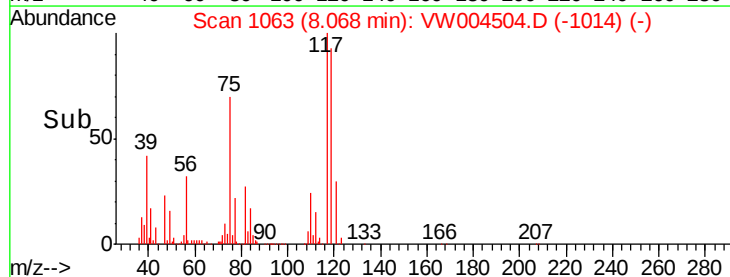
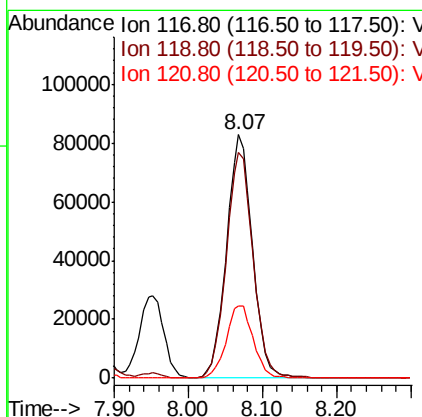
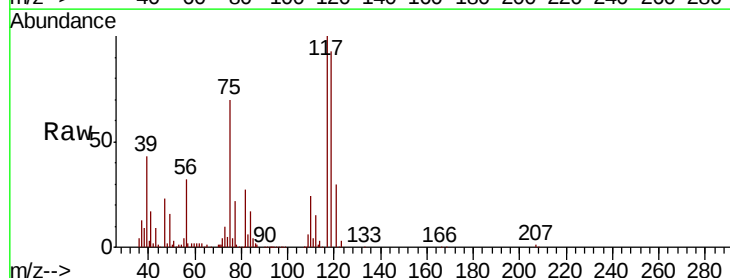
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBS01

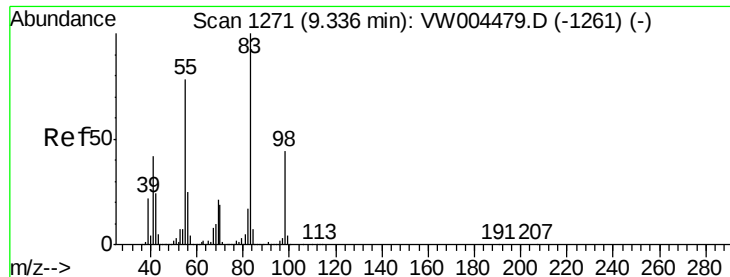
Tgt Ion: 43 Resp: 109217
 Ion Ratio Lower Upper
 43 100
 61 13.7 11.9 17.9
 70 9.8 8.2 12.4



#38
 Carbon Tetrachloride
 Concen: 19.152 ug/l
 RT: 8.07 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VW004504.D
 Acq: 07 Aug 2018 20:45

Tgt Ion: 117 Resp: 201674
 Ion Ratio Lower Upper
 117 100
 119 92.9 76.1 114.1
 121 29.7 24.2 36.4

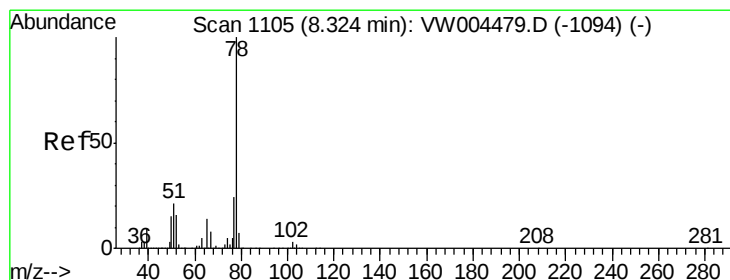
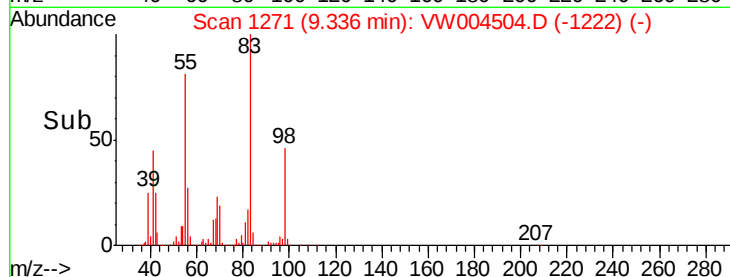
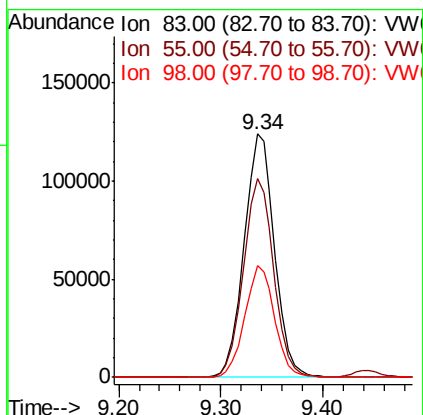
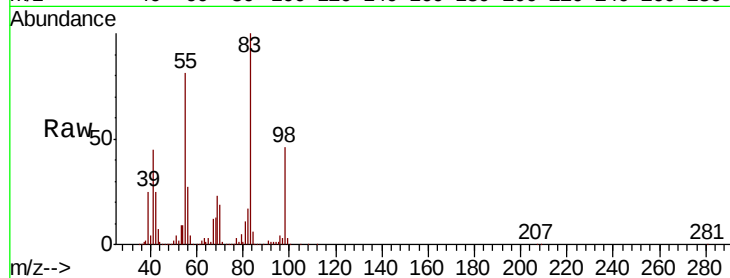




#39
Methylcyclohexane
Concen: 17.880 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW004504.D
Acq: 07 Aug 2018 20:45

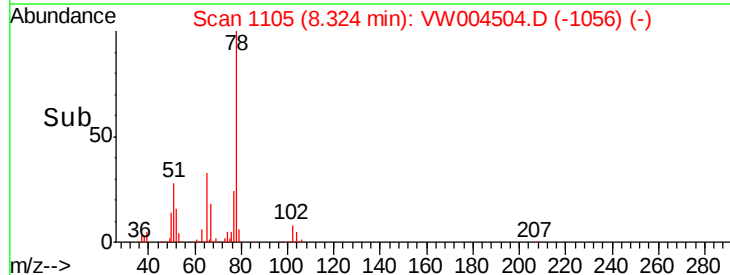
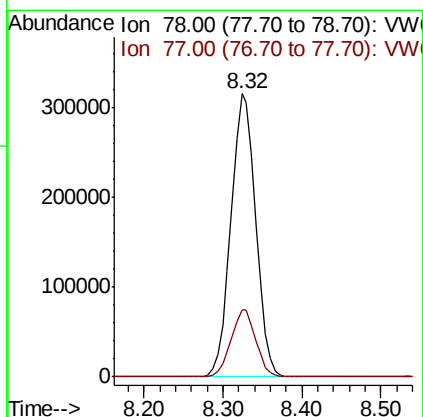
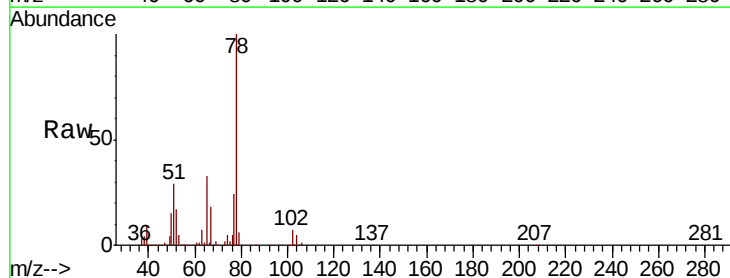
Instrument :
MSVOA_W
ClientSampleId :
VW0808SBSD01

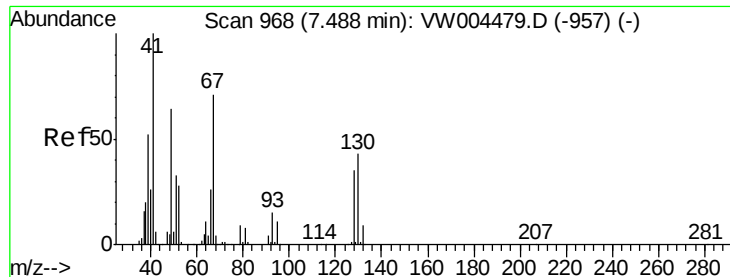
Tgt Ion: 83 Resp: 256460
Ion Ratio Lower Upper
83 100
55 81.4 62.5 93.7
98 45.7 35.4 53.2



#40
Benzene
Concen: 20.041 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW004504.D
Acq: 07 Aug 2018 20:45

Tgt Ion: 78 Resp: 688683
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.6

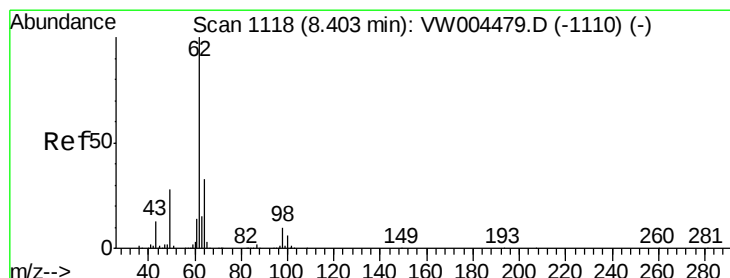
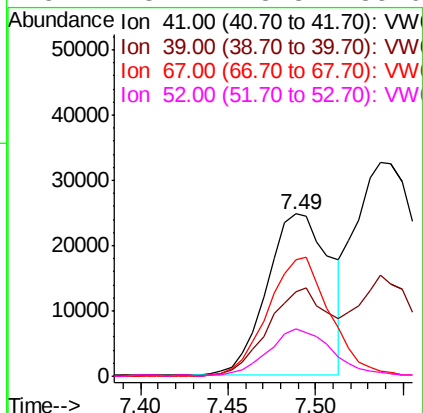
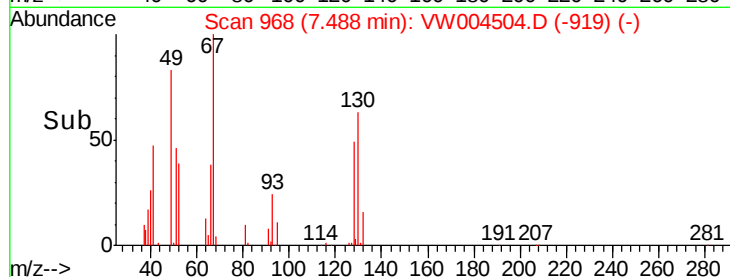
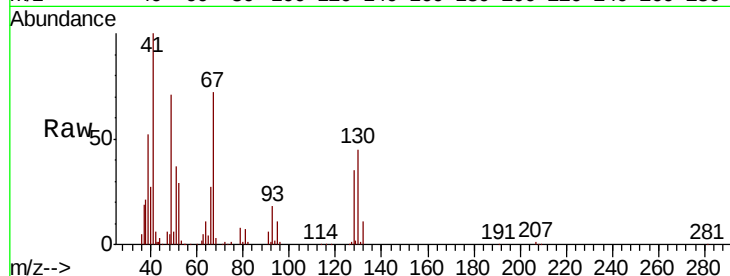




#41
Methacrylonitrile
Concen: 20.492 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.00 min
Lab File: VW004504.D
Acq: 07 Aug 2018 20:45

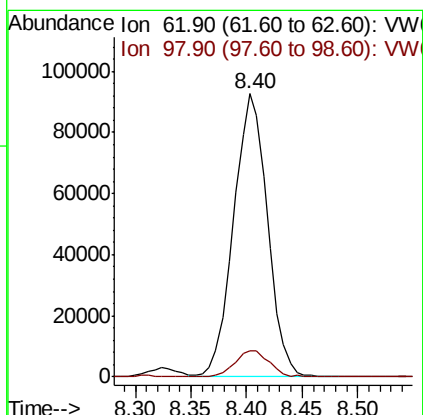
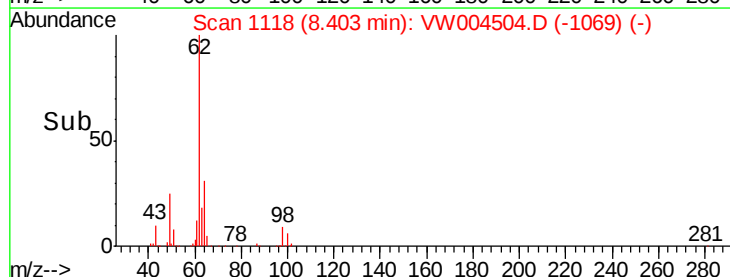
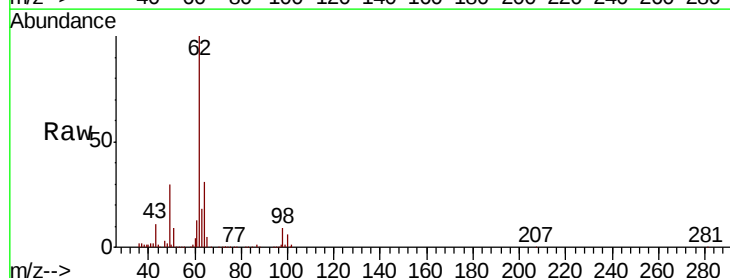
Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

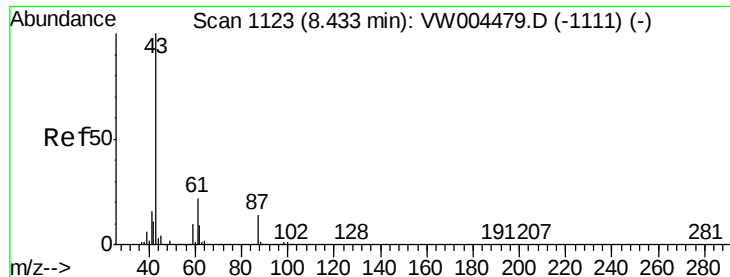
Tgt Ion:	41	Resp:	62726
Ion	Ratio	Lower	Upper
41	100		
39	52.0	46.2	69.2
67	73.3	60.8	91.2
52	28.7	23.8	35.6



#42
1,2-Dichloroethane
Concen: 20.551 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW004504.D
Acq: 07 Aug 2018 20:45

Tgt Ion:	62	Resp:	195383
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.6





#43

Isopropyl Acetate

Concen: 19.723 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBSD01

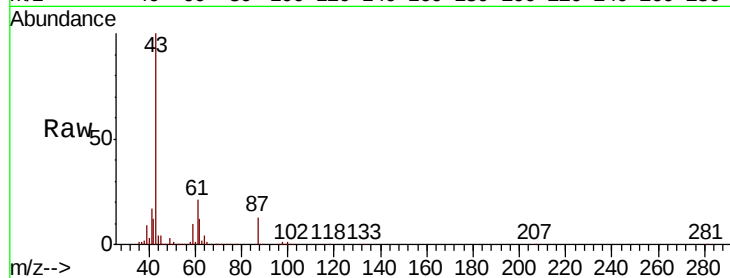
Tgt Ion: 43 Resp: 188417

Ion Ratio Lower Upper

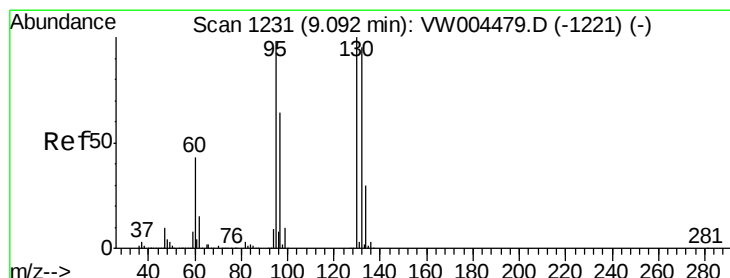
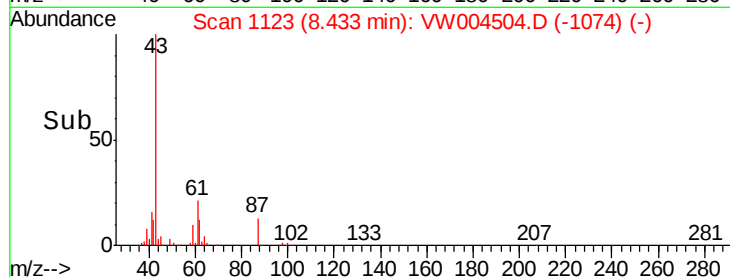
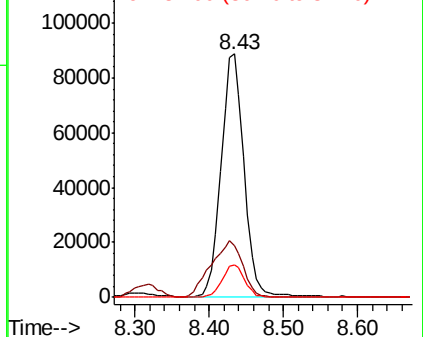
43 100

61 31.7 25.2 37.8

87 13.2 10.6 16.0



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: 19.295 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW004504.D

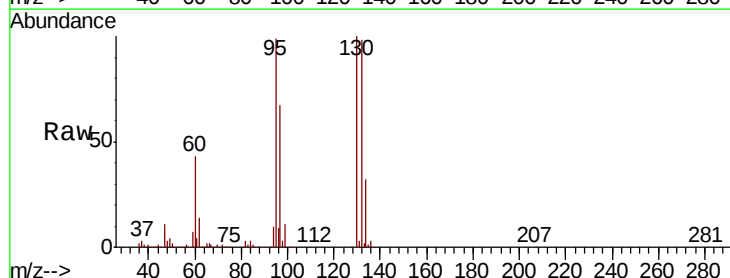
Acq: 07 Aug 2018 20:45

Tgt Ion: 130 Resp: 162924

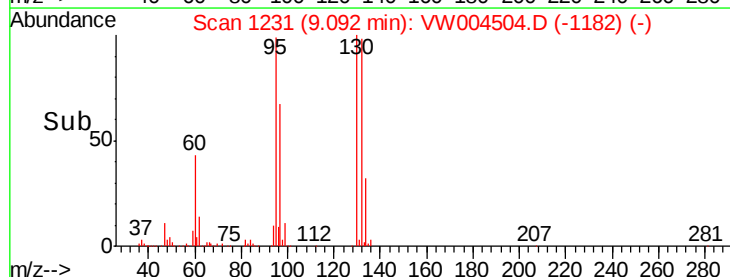
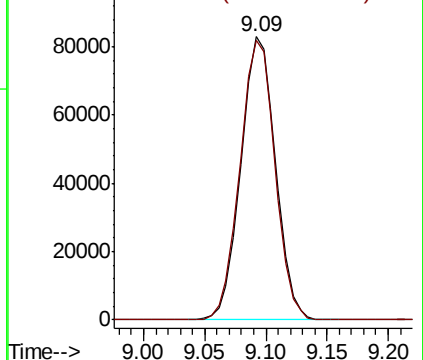
Ion Ratio Lower Upper

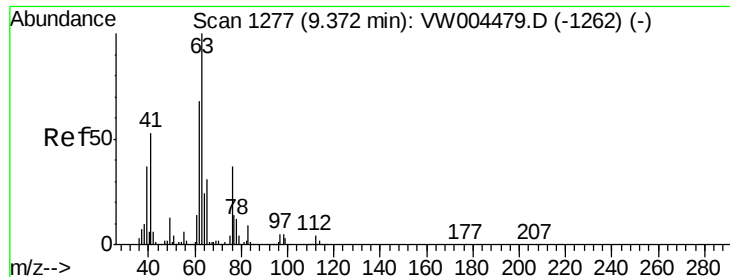
130 100

95 98.6 0.0 196.2



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

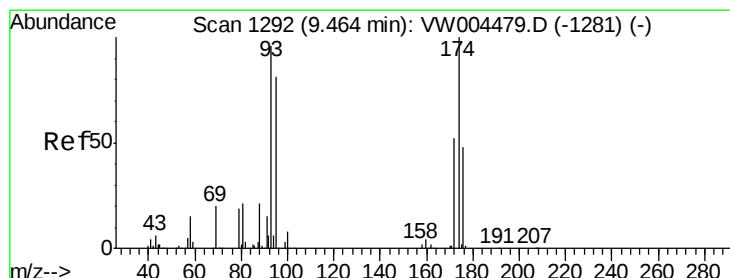
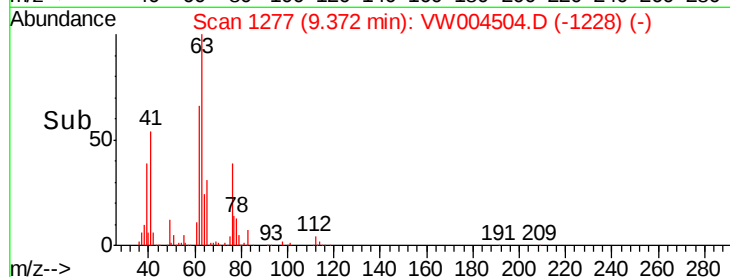
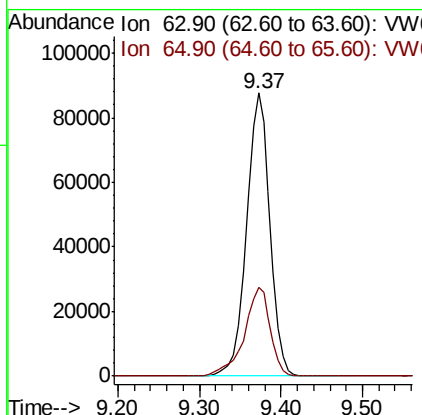
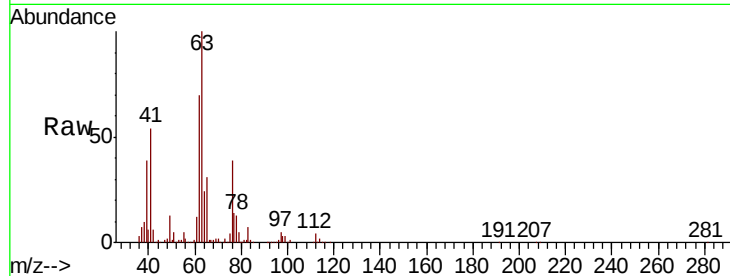




#45
 1,2-Dichloropropane
 Concen: 20.236 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004504.D
 Acq: 07 Aug 2018 20:45

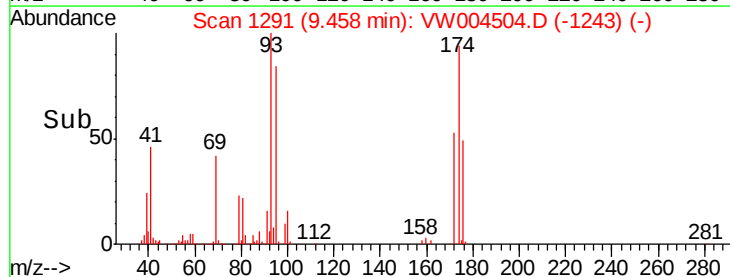
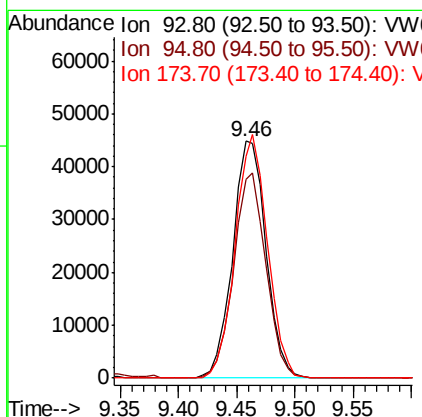
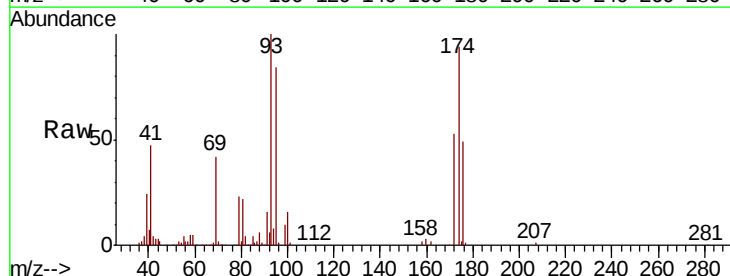
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBS01

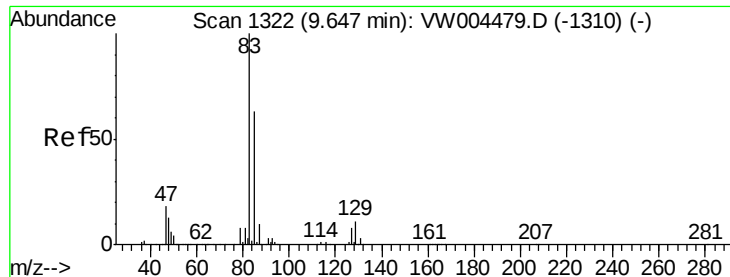
Tgt Ion: 63 Resp: 174148
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.5 36.7



#46
 Dibromomethane
 Concen: 20.405 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. -0.01 min
 Lab File: VW004504.D
 Acq: 07 Aug 2018 20:45

Tgt Ion: 93 Resp: 89393
 Ion Ratio Lower Upper
 93 100
 95 84.3 67.0 100.4
 174 99.4 80.2 120.4





#47

Bromodichloromethane

Concen: 19.944 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBSD01

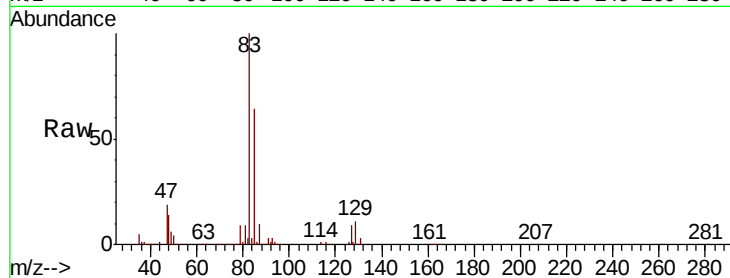
Tgt Ion: 83 Resp: 206240

Ion Ratio Lower Upper

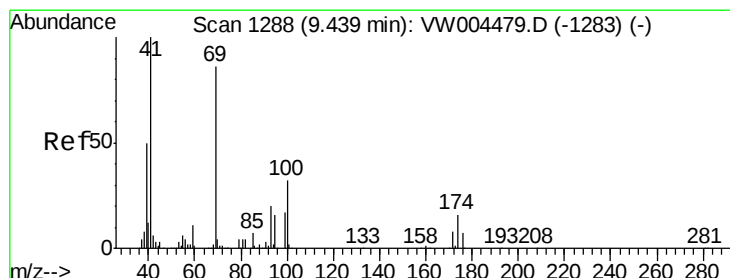
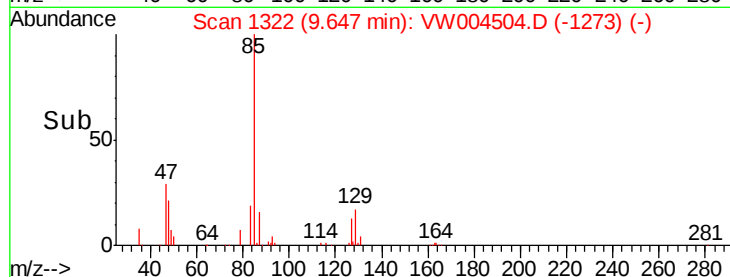
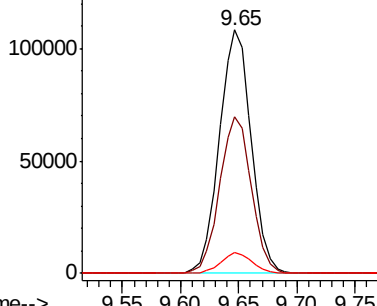
83 100

85 64.4 50.7 76.1

127 8.6 6.5 9.7



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: 20.019 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

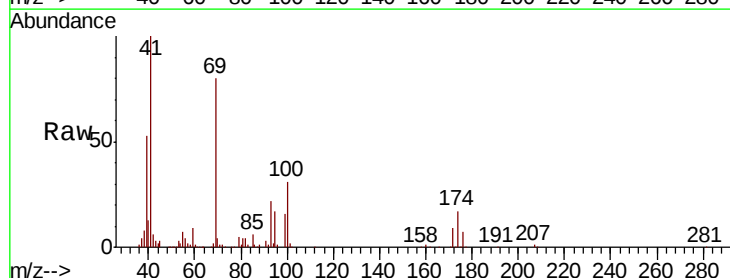
Tgt Ion: 41 Resp: 89384

Ion Ratio Lower Upper

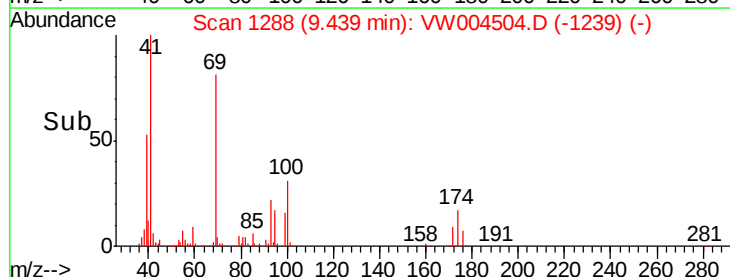
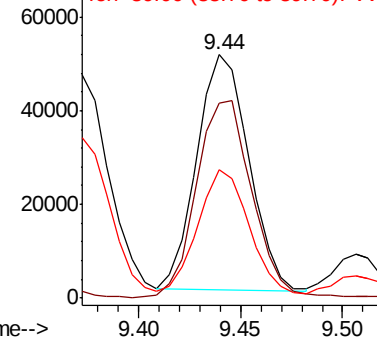
41 100

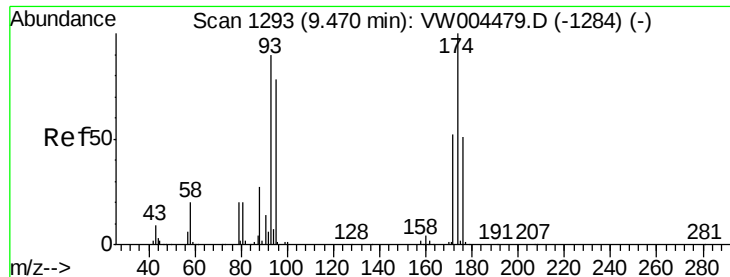
69 90.1 73.2 109.8

39 51.2 40.6 60.8



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

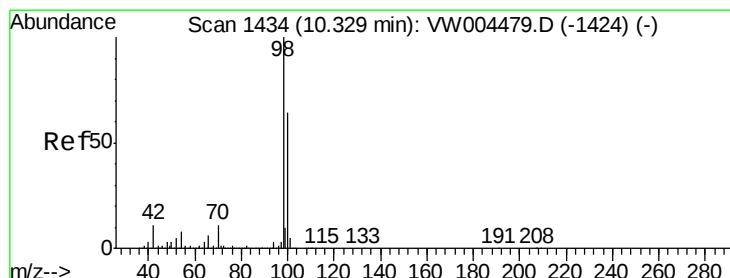
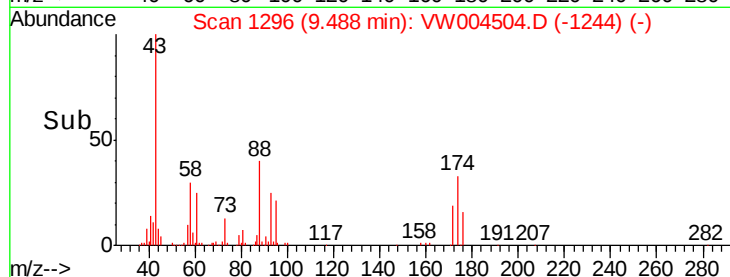
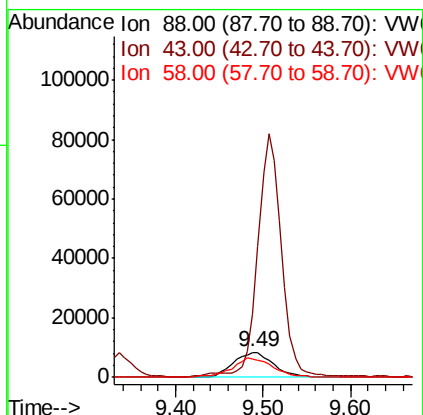
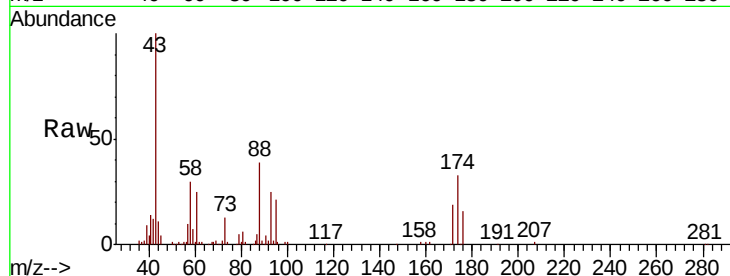




#49
1,4-Dioxane
Concen: 399.511 ug/l
RT: 9.49 min Scan# 1296
Delta R.T. 0.02 min
Lab File: VW004504.D
Acq: 07 Aug 2018 20:45

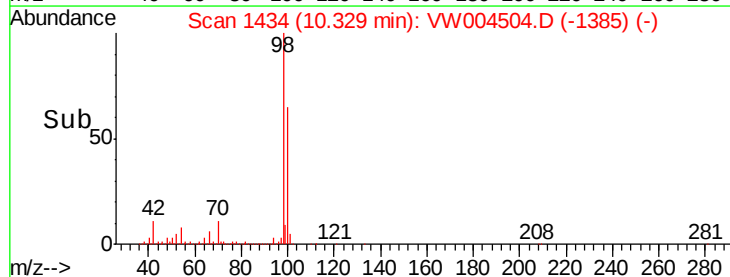
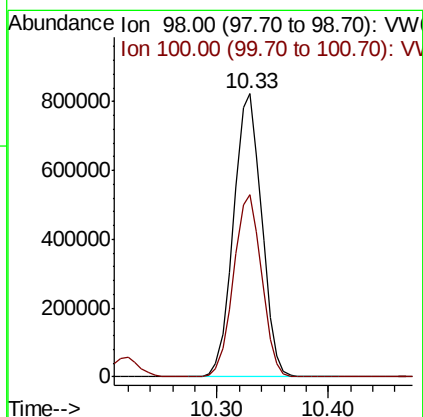
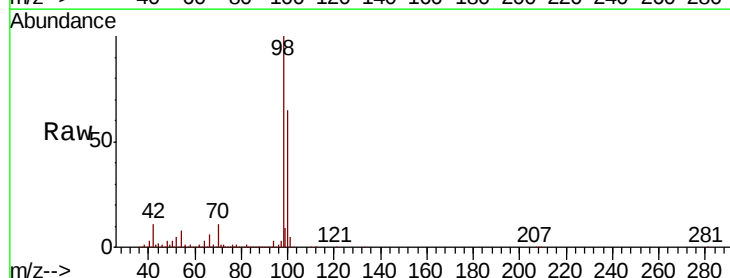
Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

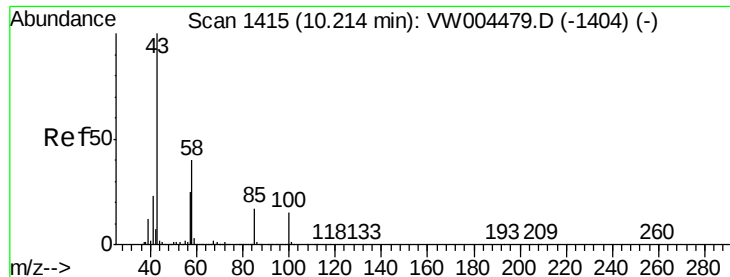
Tgt Ion: 88 Resp: 26702
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 80.1 63.5 95.3



#50
Toluene-d8
Concen: 52.115 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW004504.D
Acq: 07 Aug 2018 20:45

Tgt Ion: 98 Resp: 1439757
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.2





#51

4-Methyl-2-Pentanone

Concen: 100.000 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

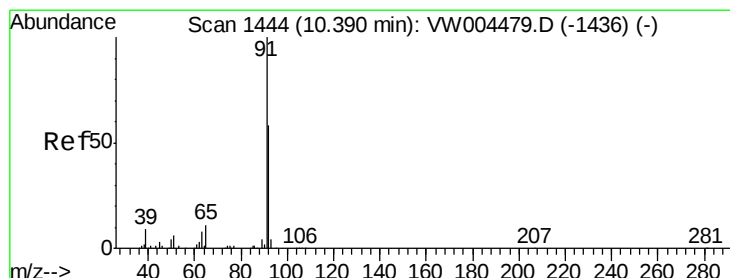
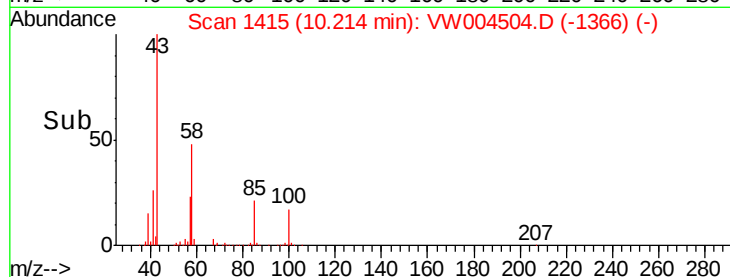
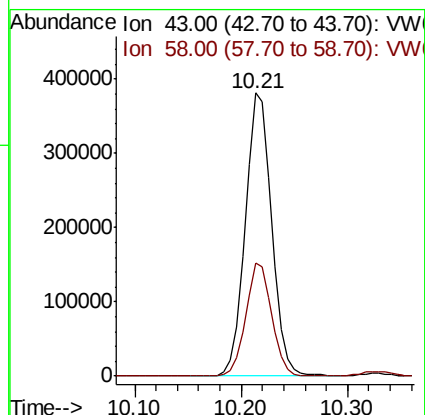
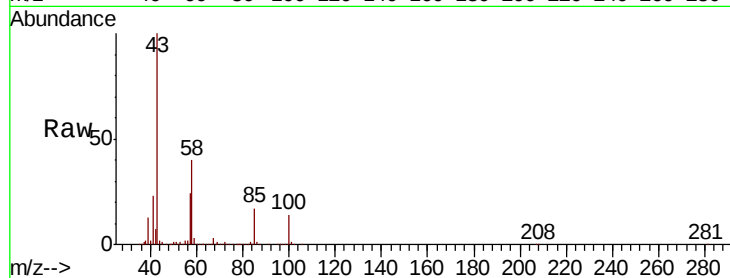
VW0808SBSD01

Tgt Ion: 43 Resp: 664972

Ion Ratio Lower Upper

43 100

58 39.3 31.9 47.9



#52

Toluene

Concen: 20.393 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004504.D

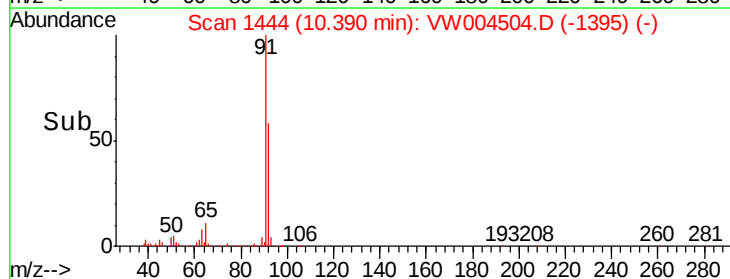
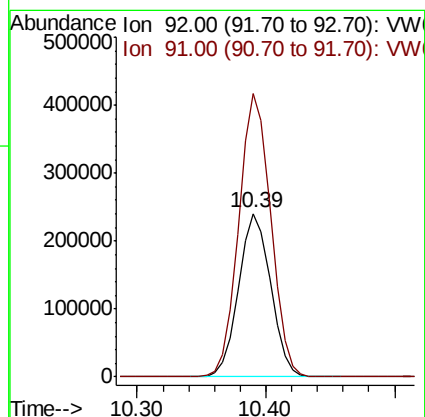
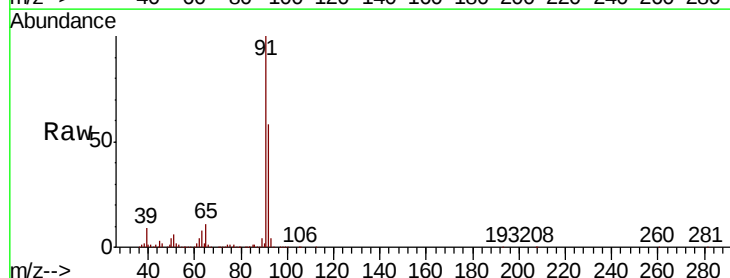
Acq: 07 Aug 2018 20:45

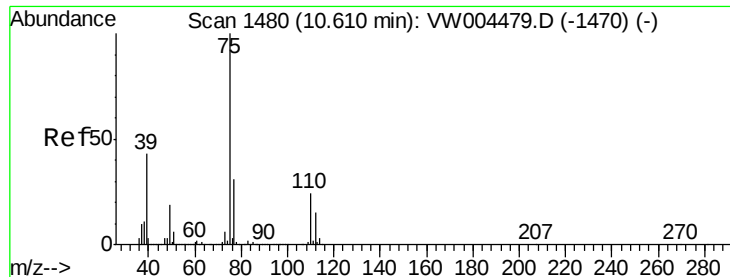
Tgt Ion: 92 Resp: 413231

Ion Ratio Lower Upper

92 100

91 173.2 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 19.672 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

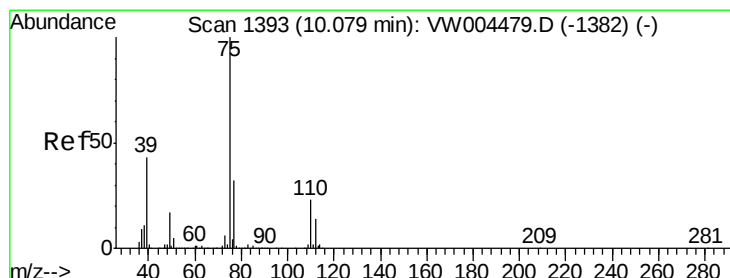
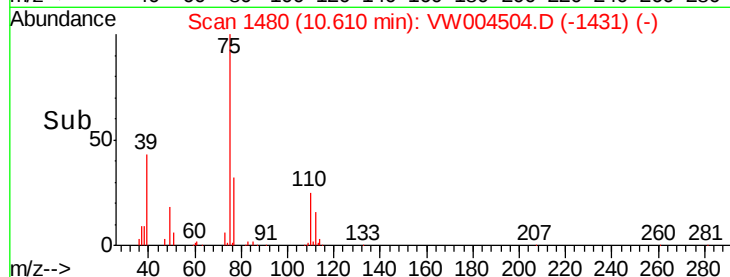
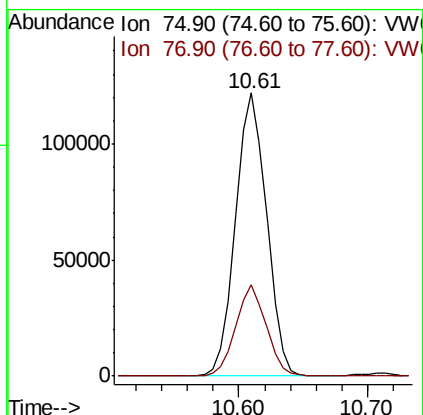
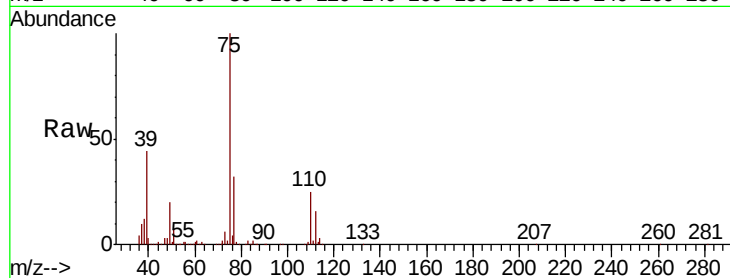
VW0808SBSD01

Tgt Ion: 75 Resp: 204261

Ion Ratio Lower Upper

75 100

77 32.0 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 19.964 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

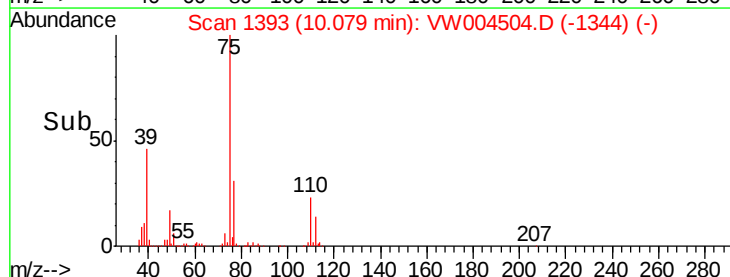
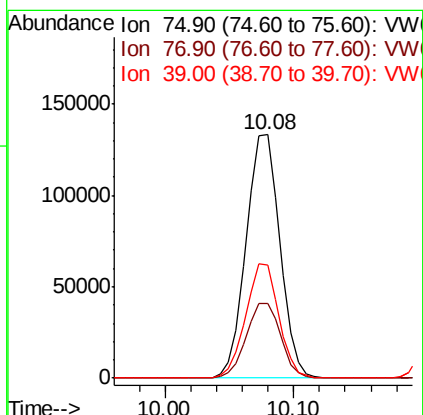
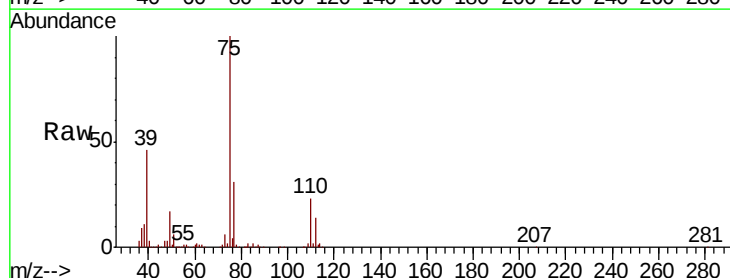
Tgt Ion: 75 Resp: 241582

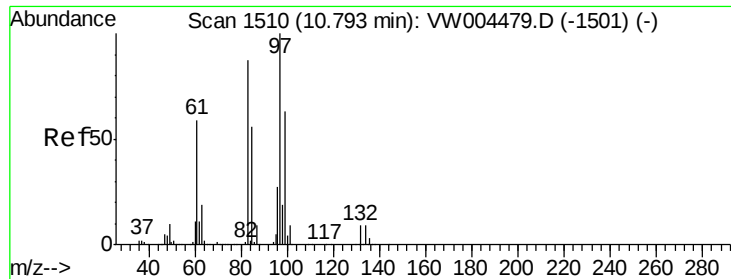
Ion Ratio Lower Upper

75 100

77 30.8 25.3 37.9

39 46.2 34.5 51.7

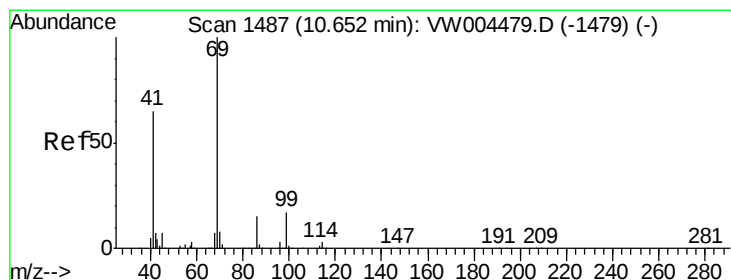
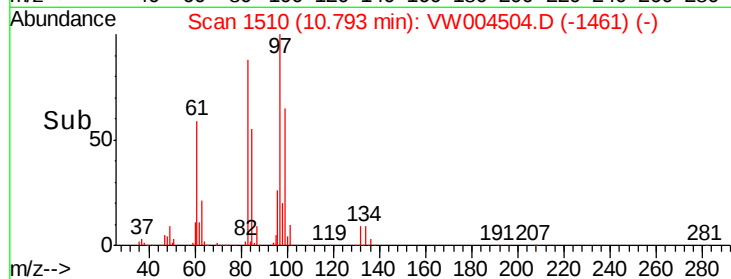
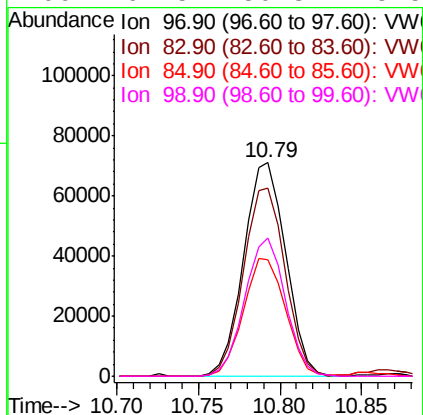
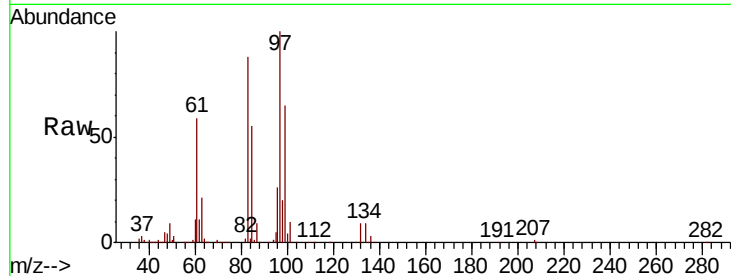




#55
 1,1,2-Trichloroethane
 Concen: 20.424 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004504.D
 Acq: 07 Aug 2018 20:45

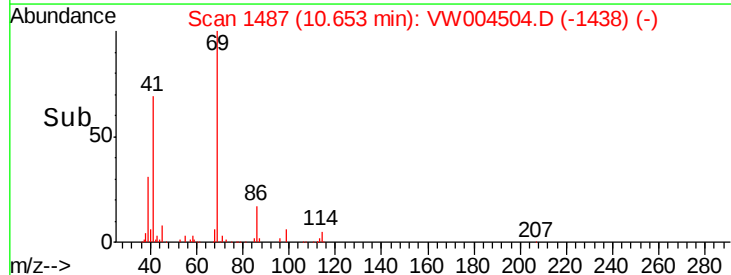
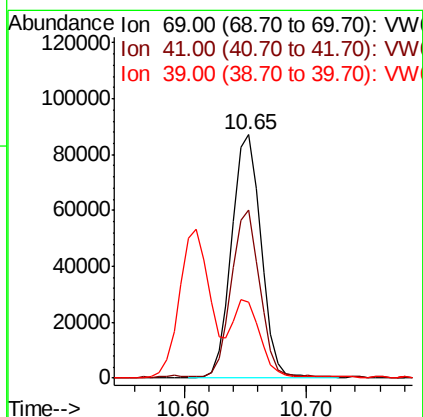
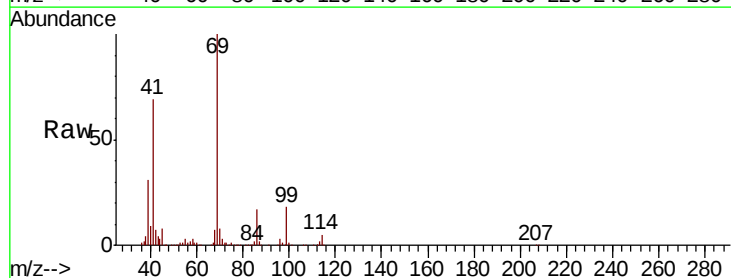
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBS01

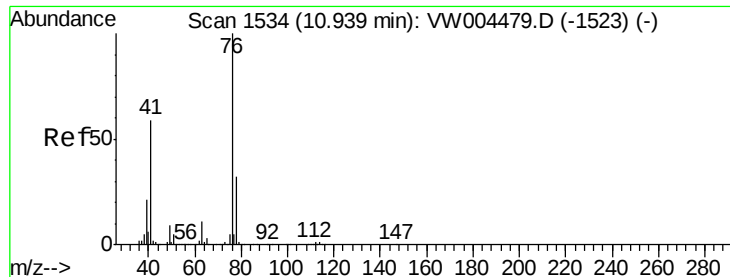
Tgt Ion:	97	Resp:	128246
Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.8	104.8
85	54.6	45.1	67.7
99	64.5	50.3	75.5



#56
 Ethyl methacrylate
 Concen: 19.264 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW004504.D
 Acq: 07 Aug 2018 20:45

Tgt Ion:	69	Resp:	144822
Ion	Ratio	Lower	Upper
69	100		
41	66.9	52.4	78.6
39	28.6	22.7	34.1





#57

1,3-Dichloropropane

Concen: 20.389 ug/l

RT: 10.93 min Scan# 1533

Delta R.T. -0.01 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

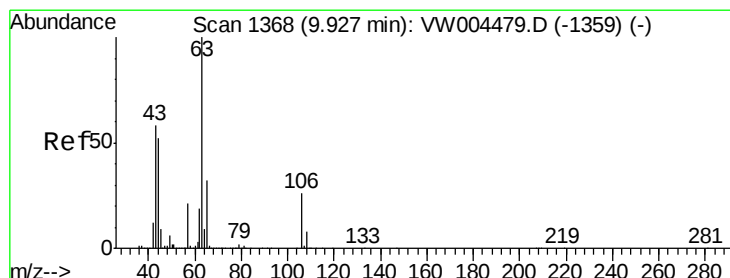
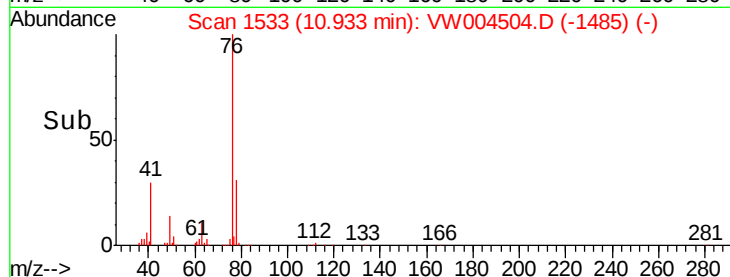
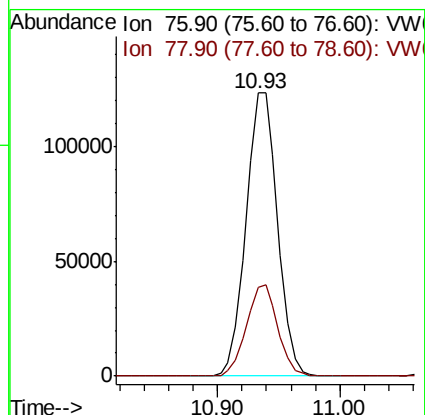
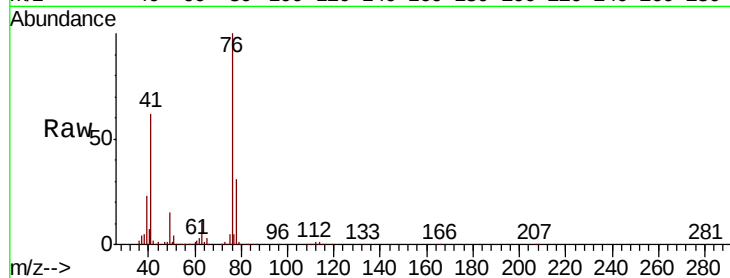
VW0808SBSD01

Tgt Ion: 76 Resp: 220657

Ion Ratio Lower Upper

76 100

78 32.1 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 101.212 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VW004504.D

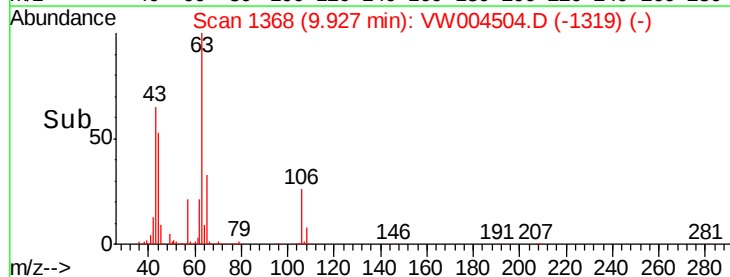
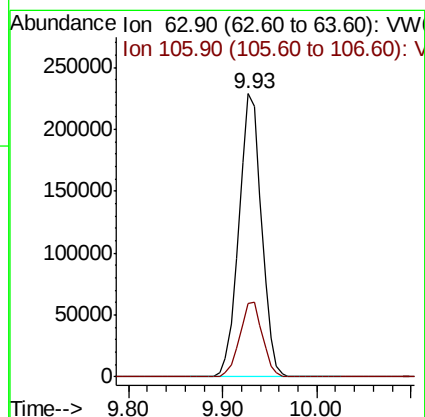
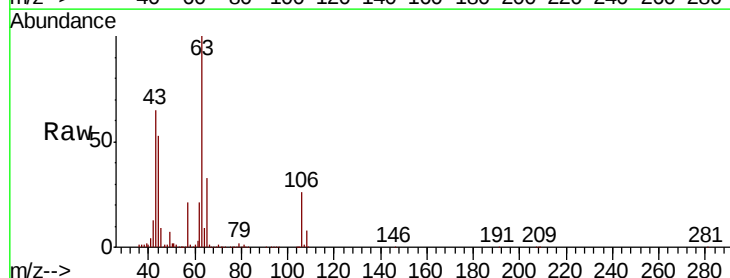
Acq: 07 Aug 2018 20:45

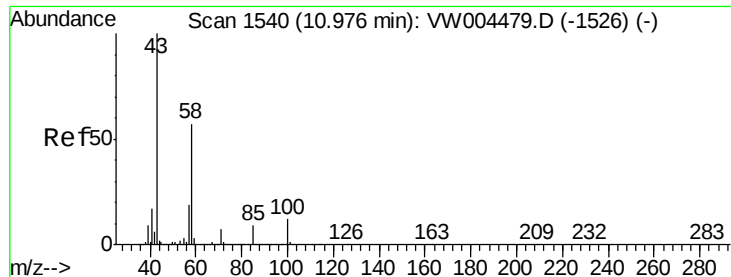
Tgt Ion: 63 Resp: 382037

Ion Ratio Lower Upper

63 100

106 26.5 21.3 31.9

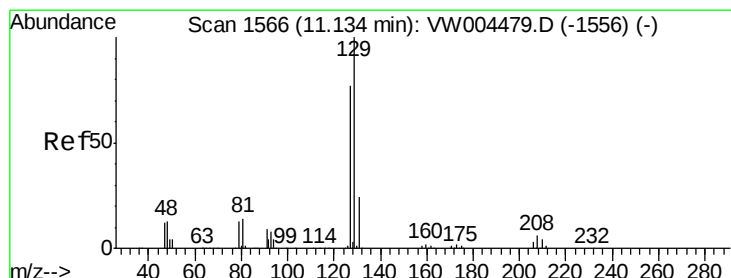
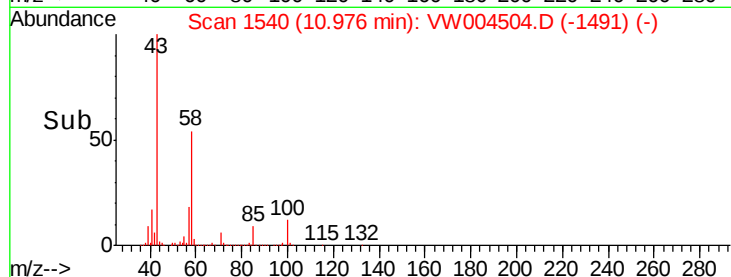
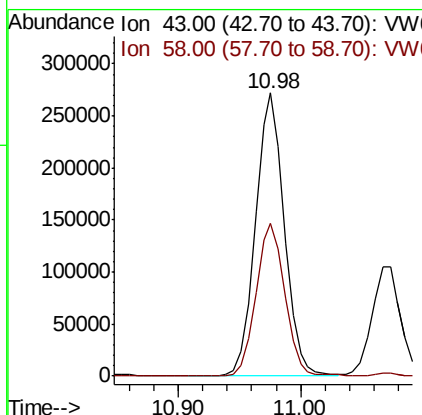
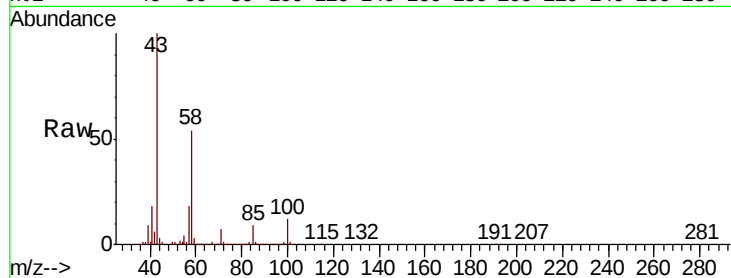




#59
2-Hexanone
Concen: 98.796 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004504.D
Acq: 07 Aug 2018 20:45

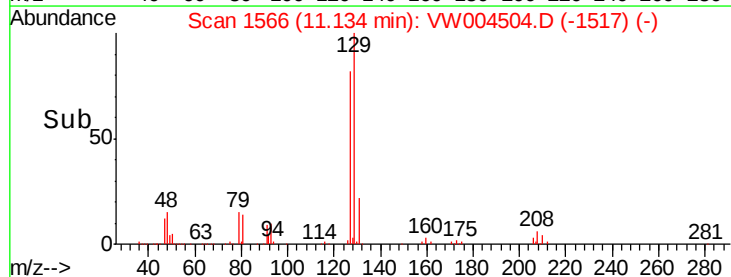
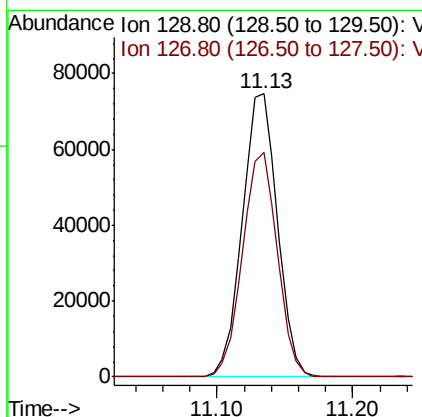
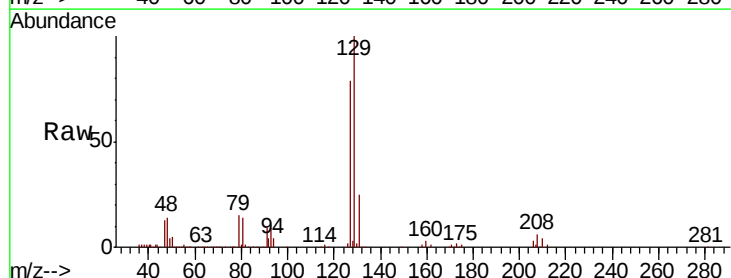
Instrument :
MSVOA_W
ClientSampleId :
VW0808SBSD01

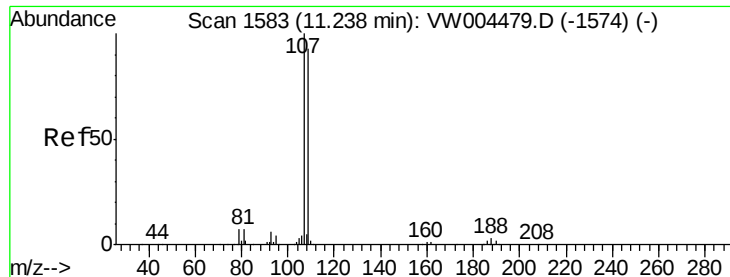
Tgt Ion: 43 Resp: 445427
Ion Ratio Lower Upper
43 100
58 54.3 27.9 83.6



#60
Dibromochloromethane
Concen: 19.796 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004504.D
Acq: 07 Aug 2018 20:45

Tgt Ion: 129 Resp: 135193
Ion Ratio Lower Upper
129 100
127 78.3 38.6 115.8

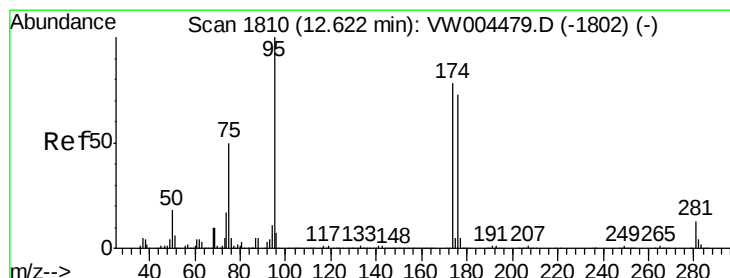
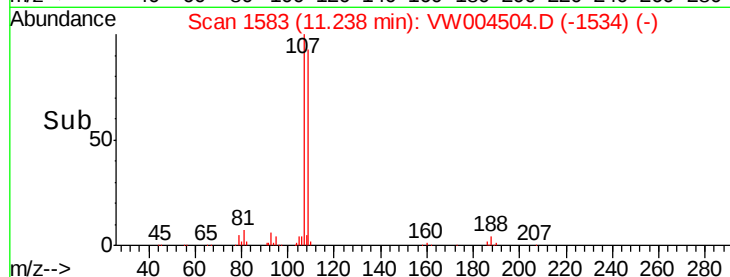
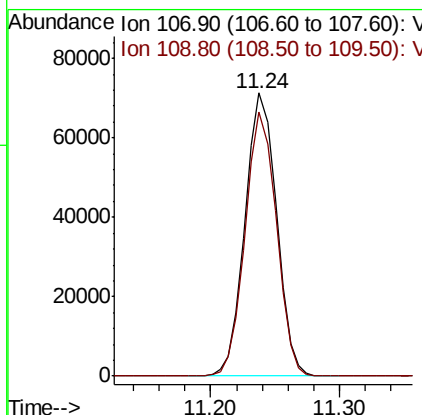
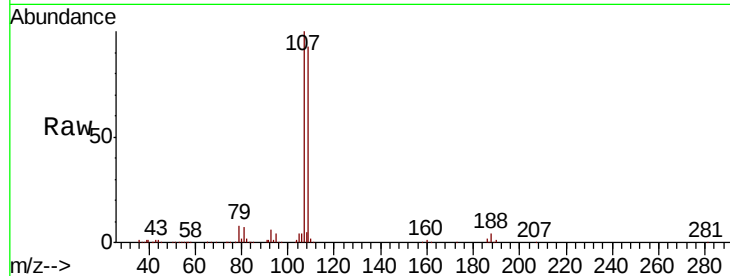




#61
 1,2-Dibromoethane
 Concen: 20.450 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW004504.D
 Acq: 07 Aug 2018 20:45

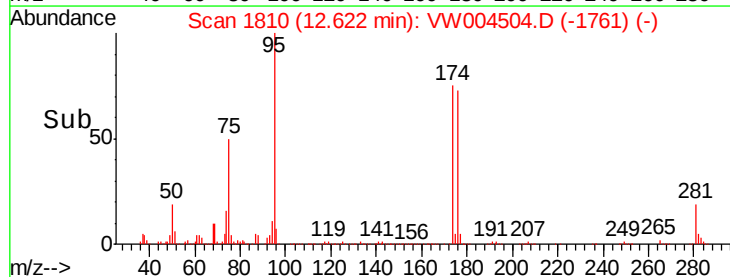
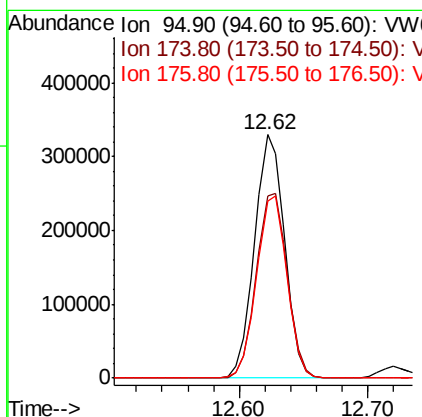
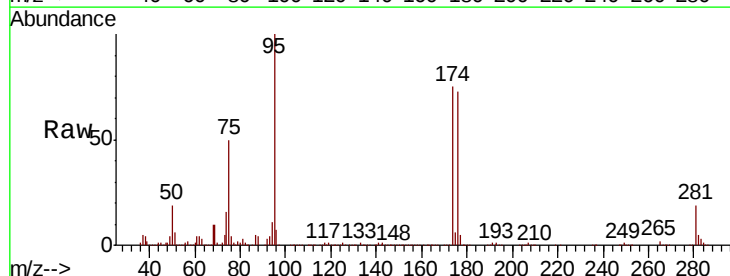
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBSD01

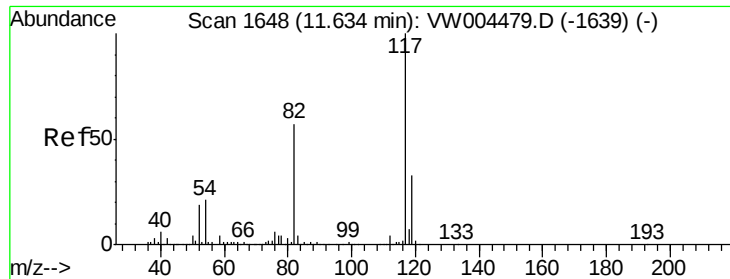
Tgt Ion: 107 Resp: 120638
 Ion Ratio Lower Upper
 107 100
 109 92.8 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 53.122 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW004504.D
 Acq: 07 Aug 2018 20:45

Tgt Ion: 95 Resp: 528644
 Ion Ratio Lower Upper
 95 100
 174 78.5 0.0 160.4
 176 75.7 0.0 153.2

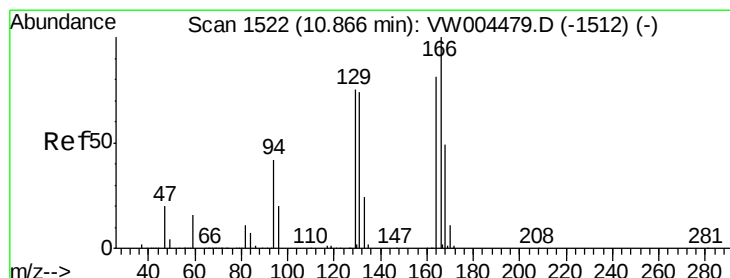
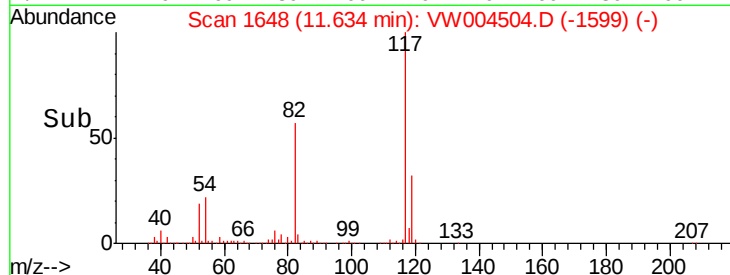
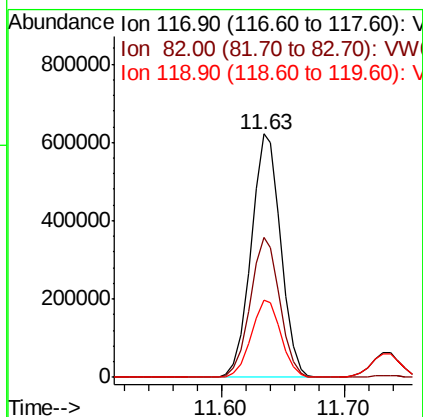
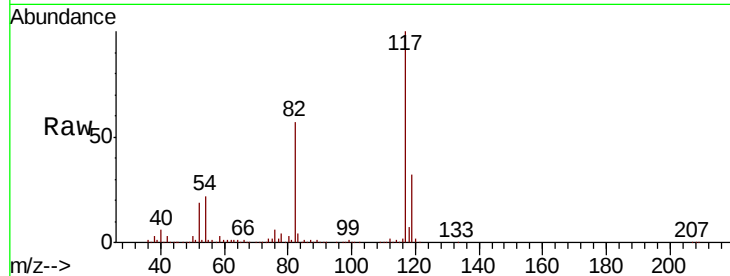




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004504.D
Acq: 07 Aug 2018 20:45

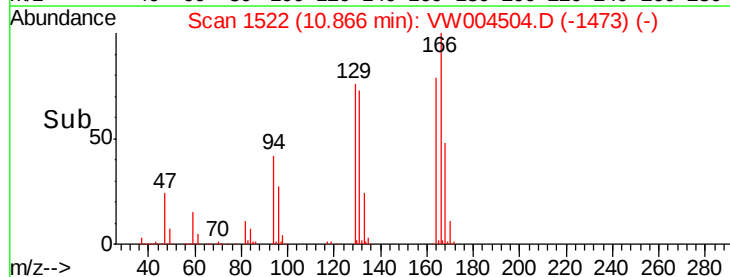
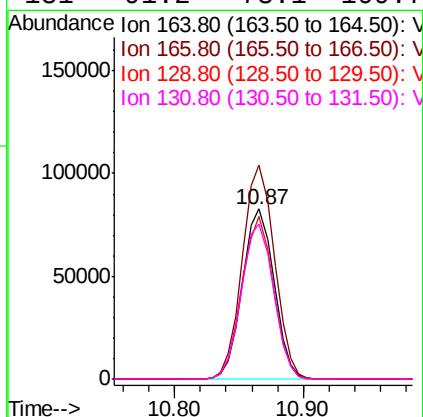
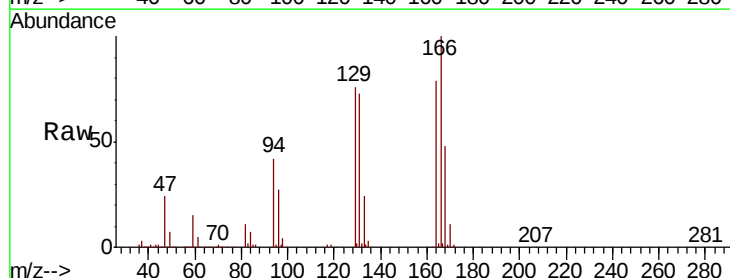
Instrument :
MSVOA_W
ClientSampleId :
VW0808SBSD01

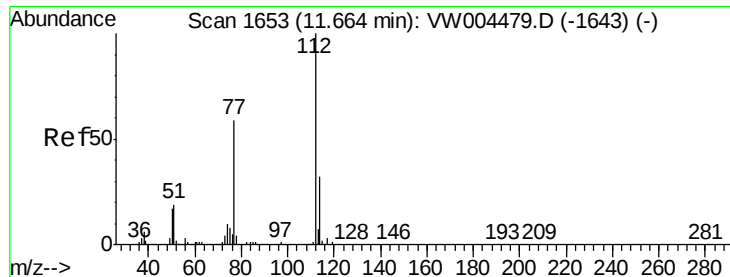
Tgt Ion:117 Resp: 1045421
Ion Ratio Lower Upper
117 100
82 57.3 45.3 67.9
119 31.8 26.2 39.4



#64
Tetrachloroethene
Concen: 19.320 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW004504.D
Acq: 07 Aug 2018 20:45

Tgt Ion:164 Resp: 140894
Ion Ratio Lower Upper
164 100
166 125.8 98.4 147.6
129 96.0 73.6 110.4
131 91.2 73.1 109.7





#65

Chlorobenzene

Concen: 19.668 ug/l

RT: 11.66 min Scan# 1652

Delta R.T. -0.01 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

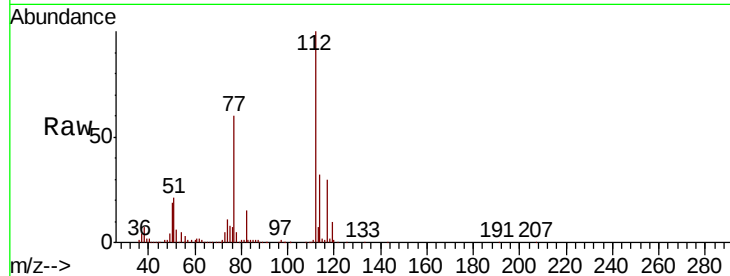
VW0808SBSD01

Tgt Ion:112 Resp: 453139

Ion Ratio Lower Upper

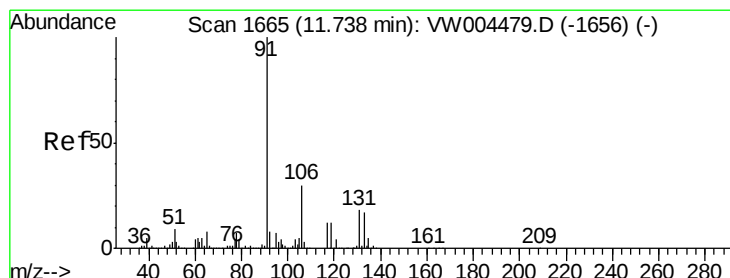
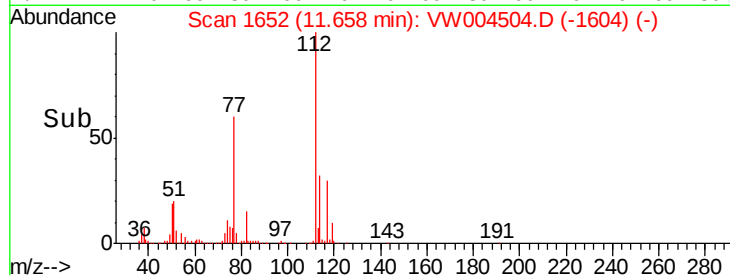
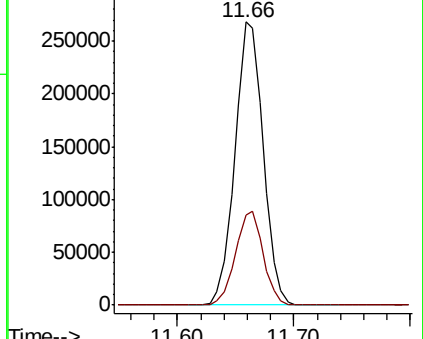
112 100

114 31.9 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.516 ug/l

RT: 11.73 min Scan# 1664

Delta R.T. -0.01 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

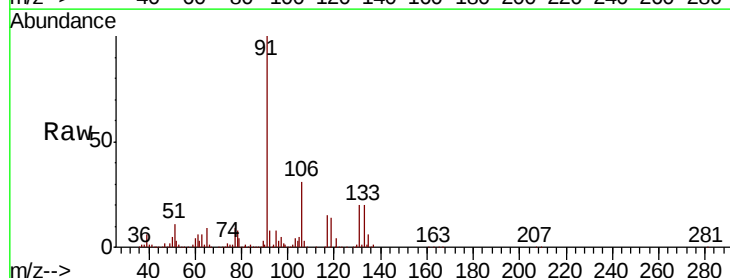
Tgt Ion:131 Resp: 153081

Ion Ratio Lower Upper

131 100

133 95.7 48.1 144.4

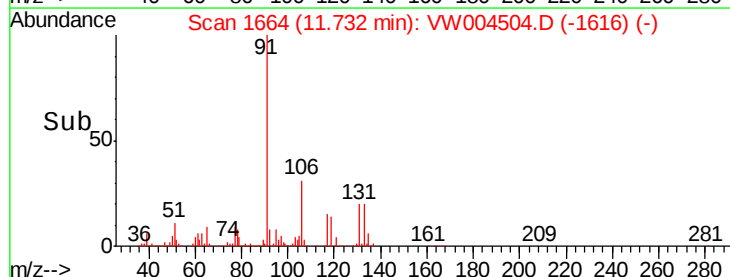
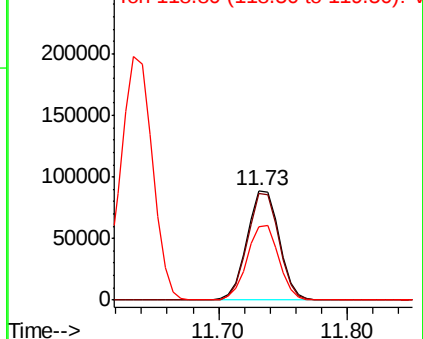
119 67.6 33.9 101.7

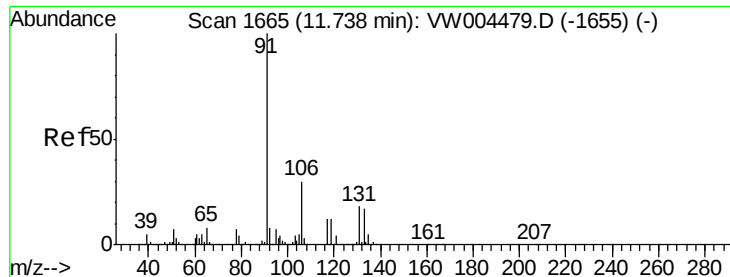


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

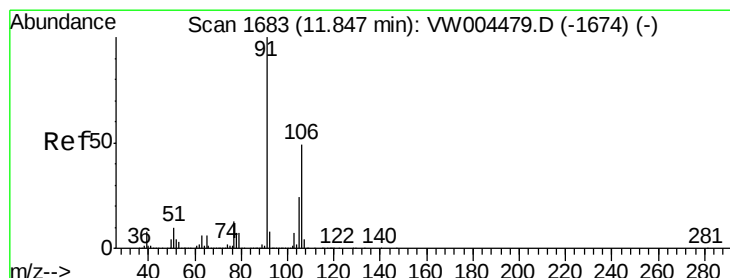
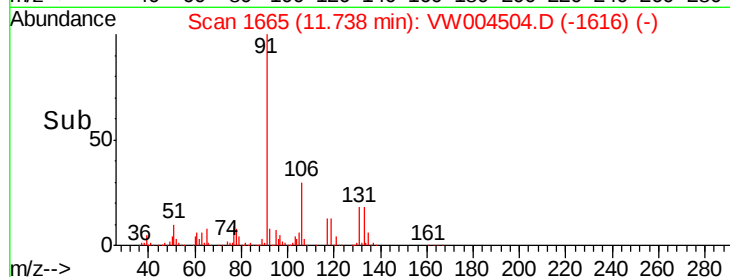
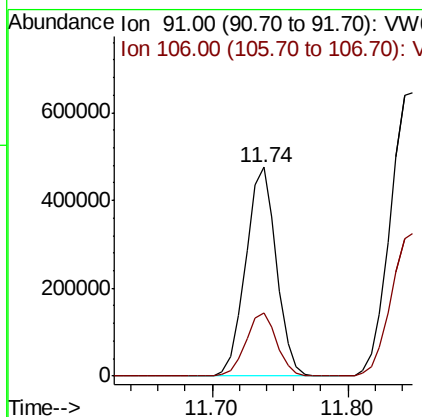
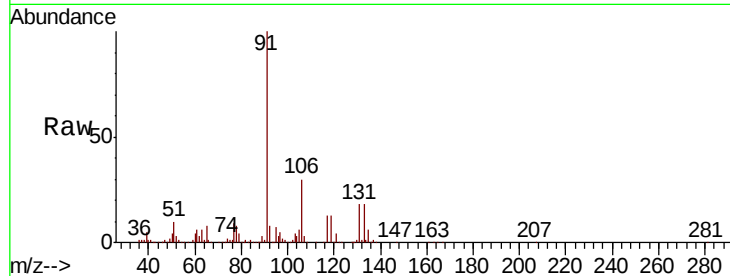




#67
Ethyl Benzene
Concen: 19.193 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004504.D
Acq: 07 Aug 2018 20:45

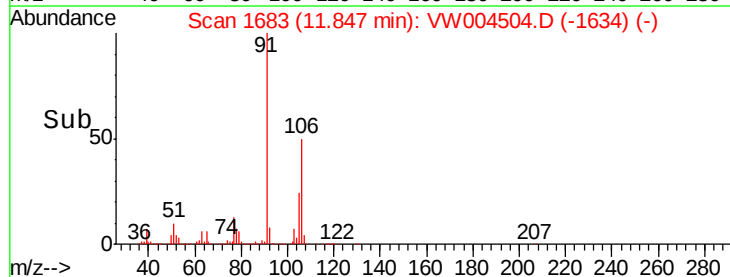
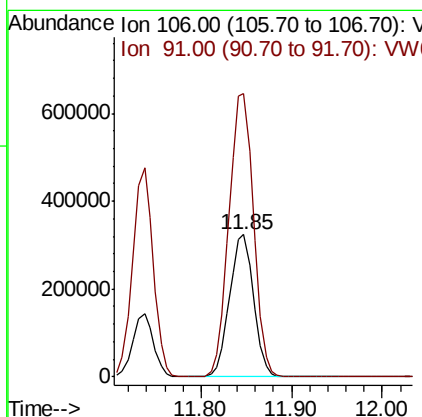
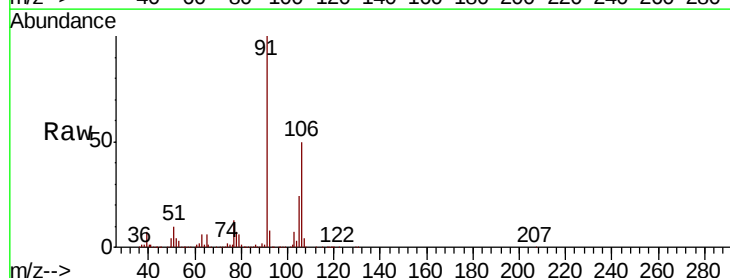
Instrument :
MSVOA_W
ClientSampleId :
VW0808SBSD01

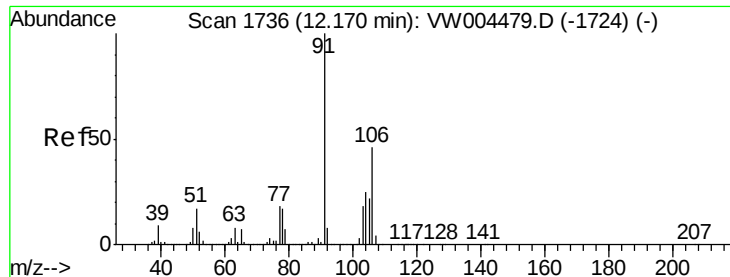
Tgt Ion: 91 Resp: 749585
Ion Ratio Lower Upper
91 100
106 30.3 24.2 36.2



#68
m/p-Xylenes
Concen: 39.445 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW004504.D
Acq: 07 Aug 2018 20:45

Tgt Ion: 106 Resp: 595375
Ion Ratio Lower Upper
106 100
91 204.0 162.8 244.2

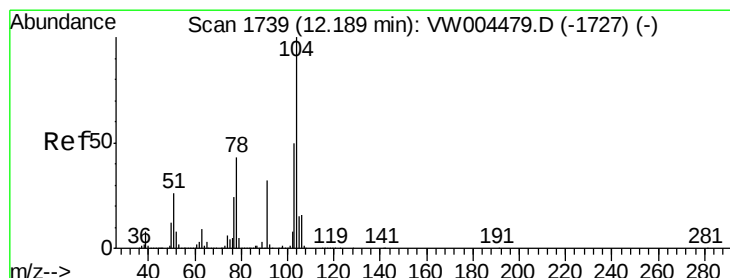
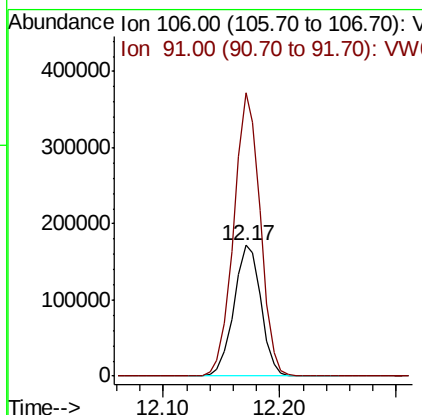
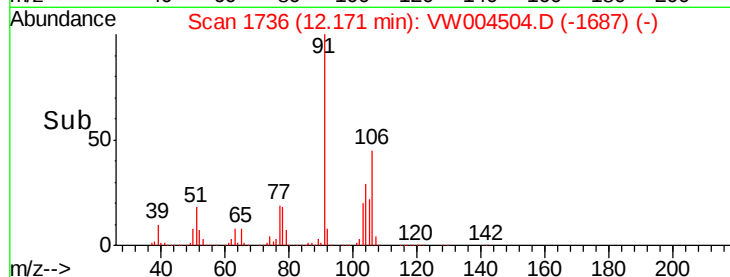
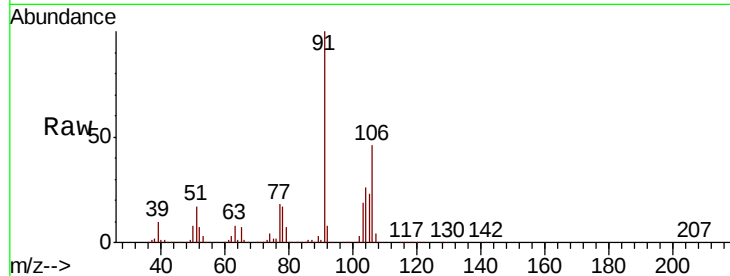




#69
o-Xylene
Concen: 19.838 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004504.D
Acq: 07 Aug 2018 20:45

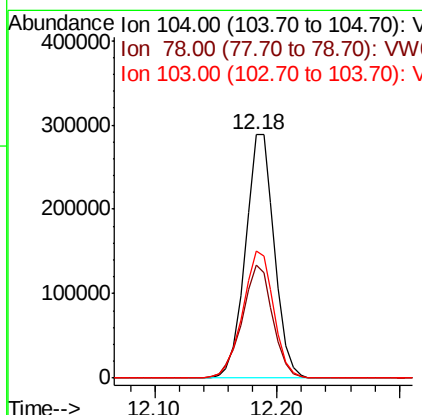
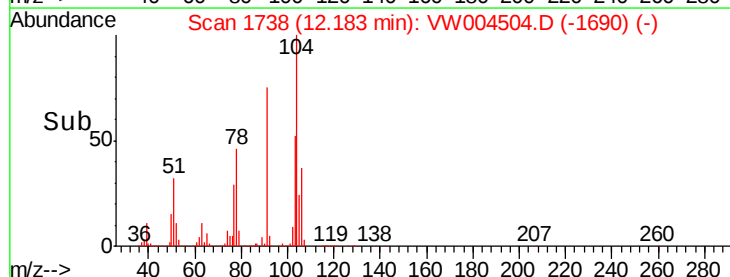
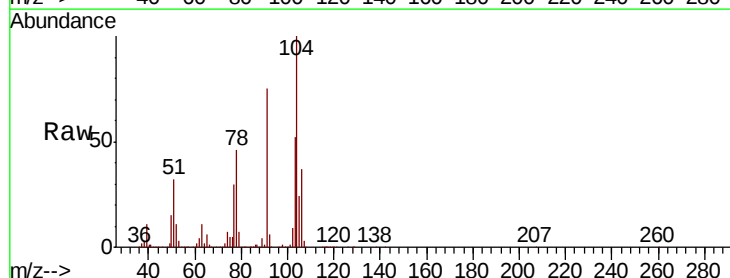
Instrument :
MSVOA_W
ClientSampleId :
VW0808SBSD01

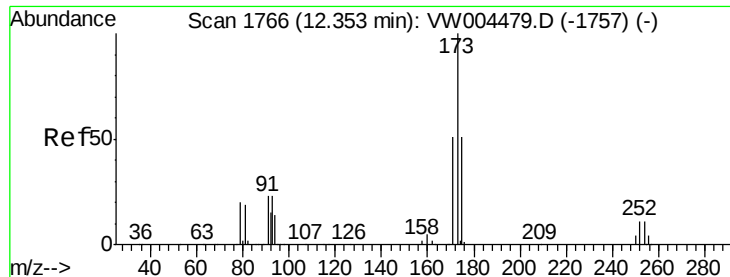
Tgt Ion:106 Resp: 277695
Ion Ratio Lower Upper
106 100
91 211.7 106.7 320.2



#70
Styrene
Concen: 20.062 ug/l
RT: 12.18 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VW004504.D
Acq: 07 Aug 2018 20:45

Tgt Ion:104 Resp: 474483
Ion Ratio Lower Upper
104 100
78 48.9 39.0 58.4
103 55.9 44.2 66.2





#71

Bromoform

Concen: 19.451 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBSD01

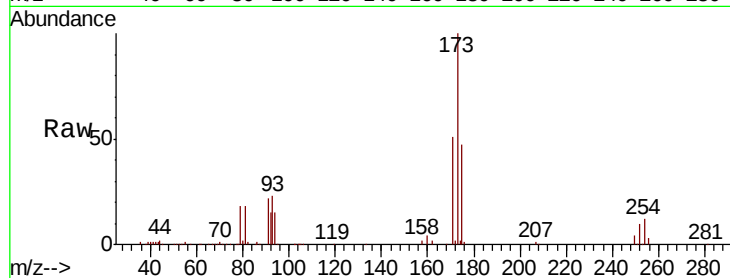
Tgt Ion:173 Resp: 83871

Ion Ratio Lower Upper

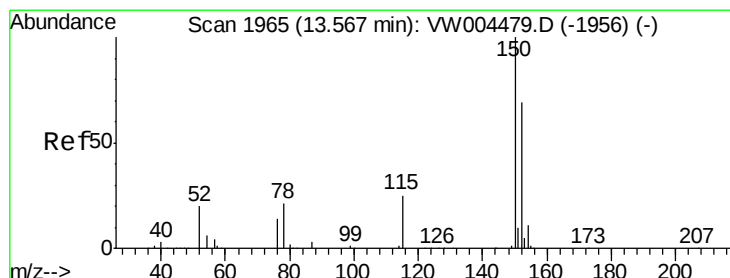
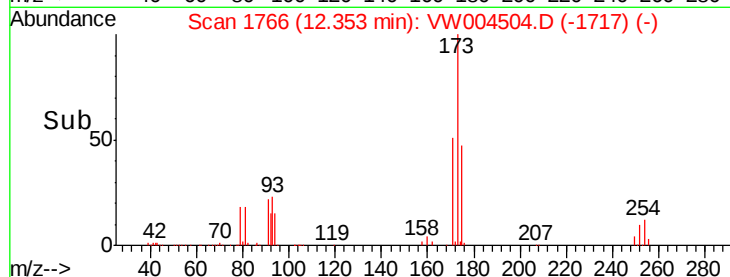
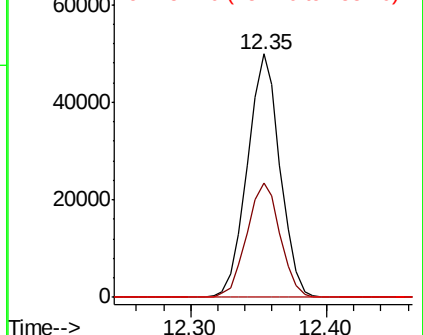
173 100

175 47.9 24.5 73.5

254 0.1 0.2 0.2#



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: VW004504.D

Acq: 07 Aug 2018 20:45

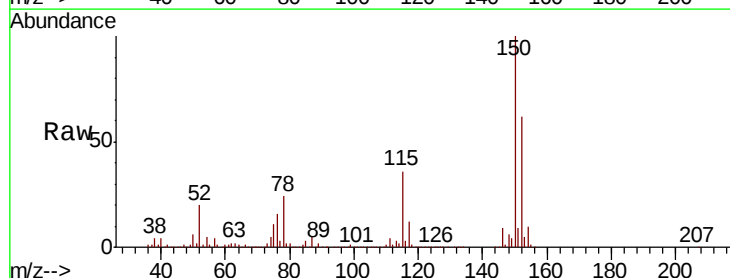
Tgt Ion:152 Resp: 561968

Ion Ratio Lower Upper

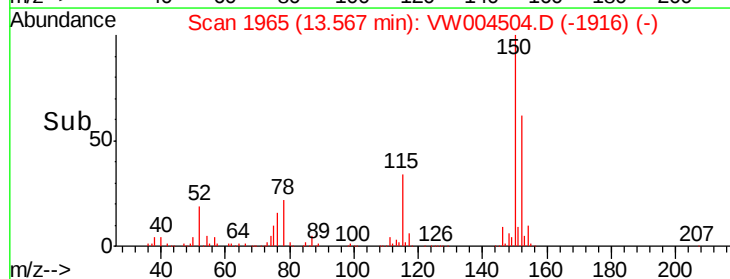
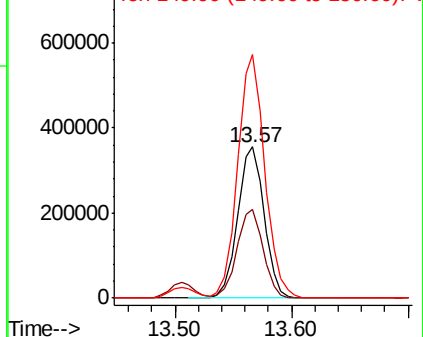
152 100

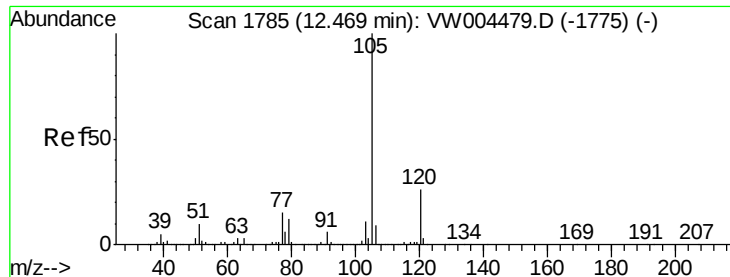
115 58.2 29.1 87.3

150 164.6 0.0 349.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.837 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

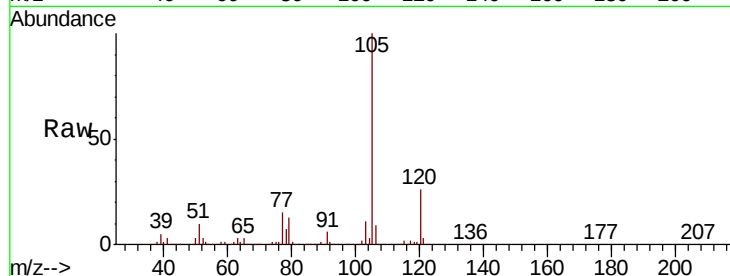
VW0808SBS01

Tgt Ion: 105 Resp: 732204

Ion Ratio Lower Upper

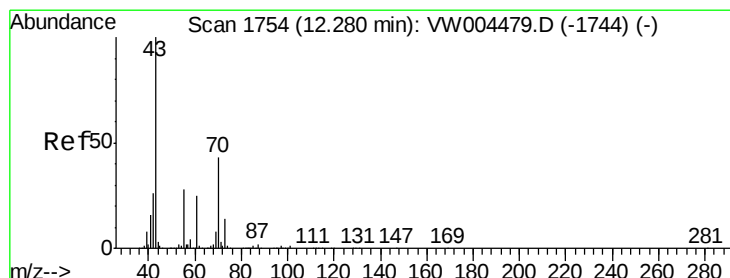
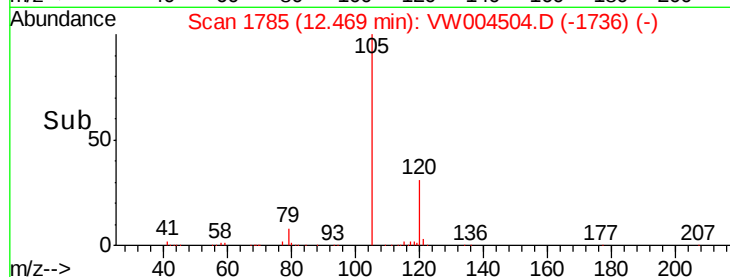
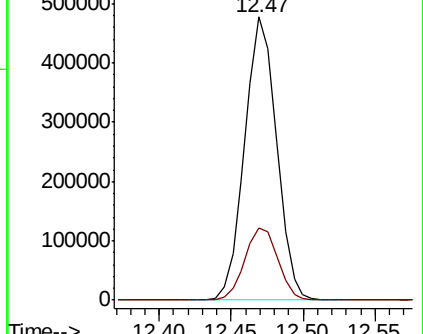
105 100

120 26.5 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.090 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

Tgt Ion: 43 Resp: 179932

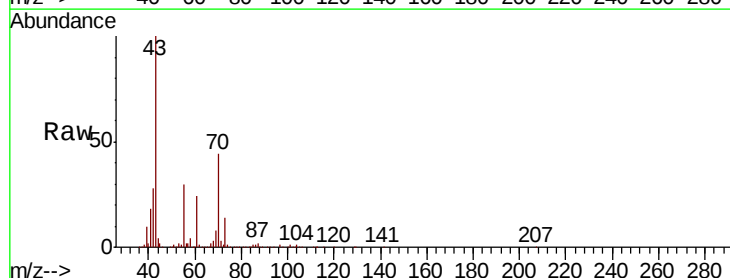
Ion Ratio Lower Upper

43 100

70 43.7 35.3 52.9

55 29.8 22.9 34.3

61 23.6 19.7 29.5

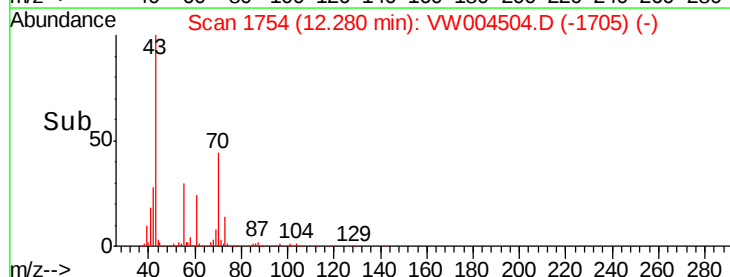
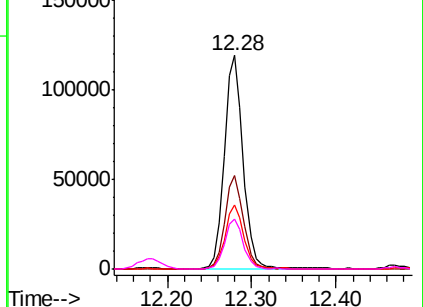


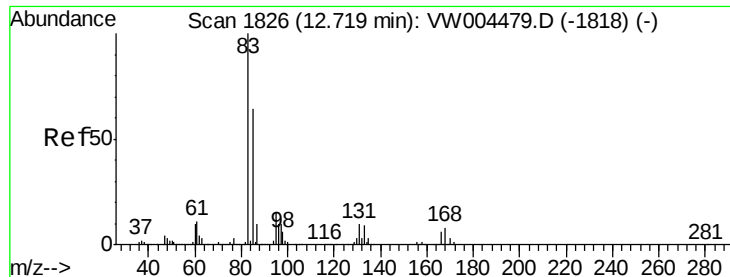
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 19.820 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBSD01

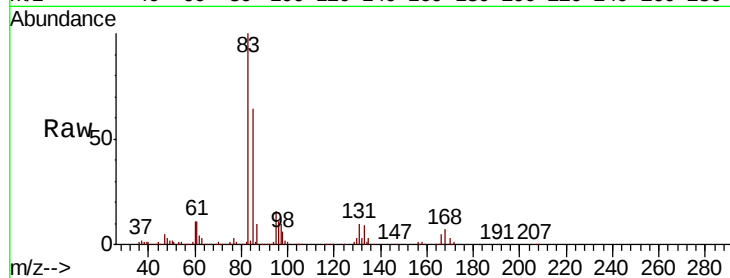
Tgt Ion: 83 Resp: 160824

Ion Ratio Lower Upper

83 100

131 9.8 5.0 15.0

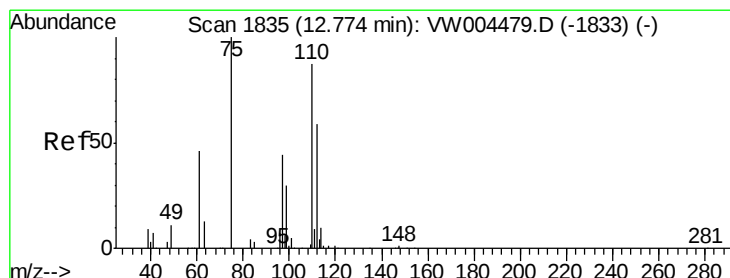
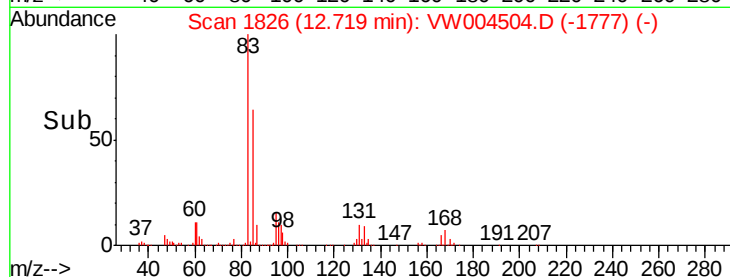
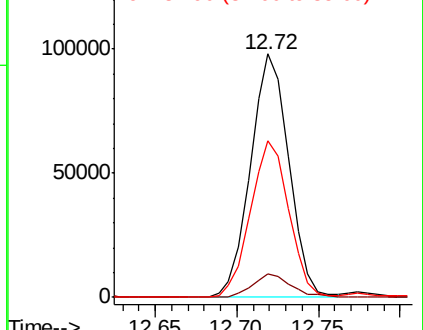
85 64.2 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 34.511 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004504.D

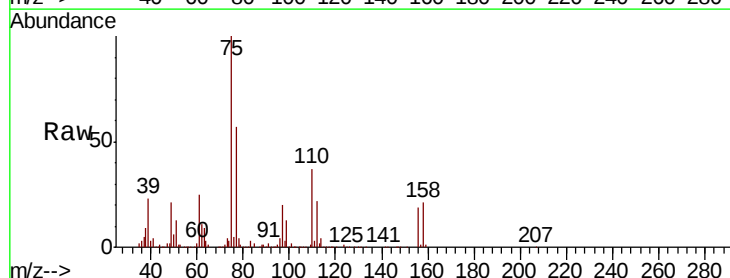
Acq: 07 Aug 2018 20:45

Tgt Ion: 75 Resp: 200686

Ion Ratio Lower Upper

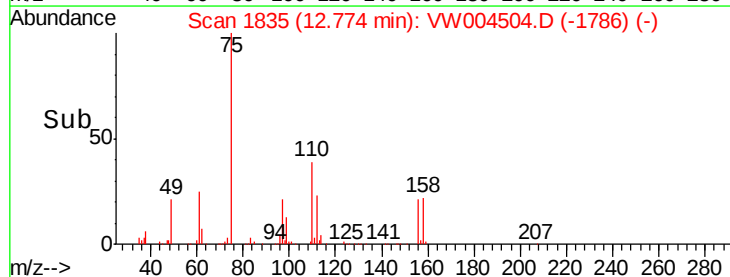
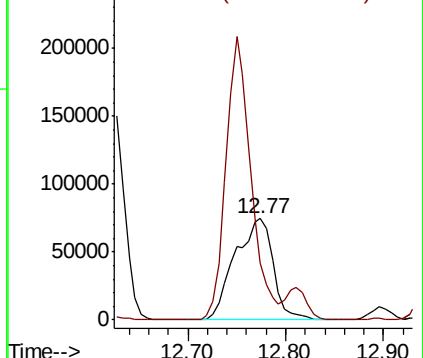
75 100

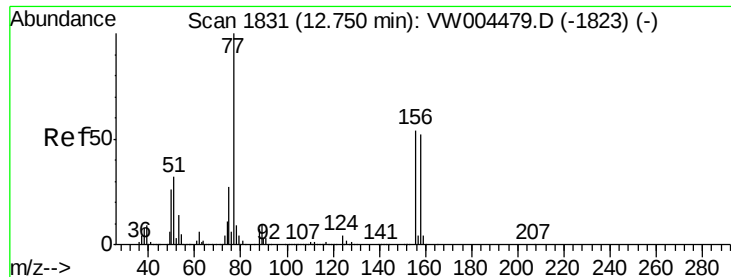
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.012 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBSD01

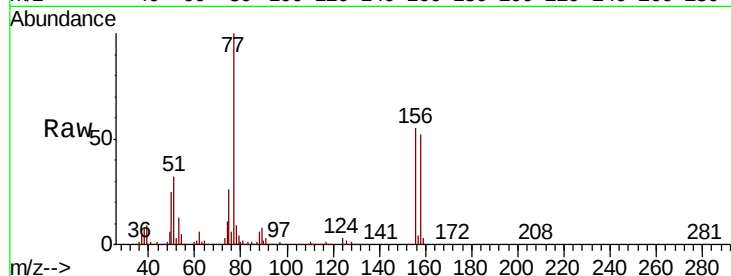
Tgt Ion:156 Resp: 188201

Ion Ratio Lower Upper

156 100

77 197.1 98.7 296.1

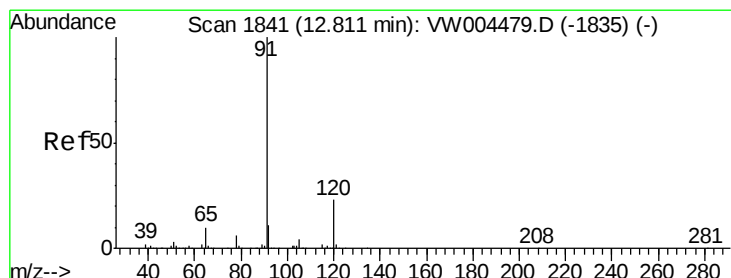
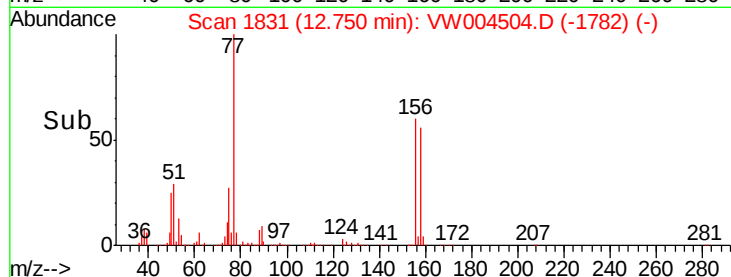
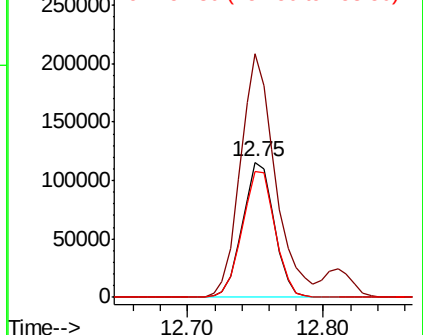
158 96.7 48.7 146.1



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: 19.380 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW004504.D

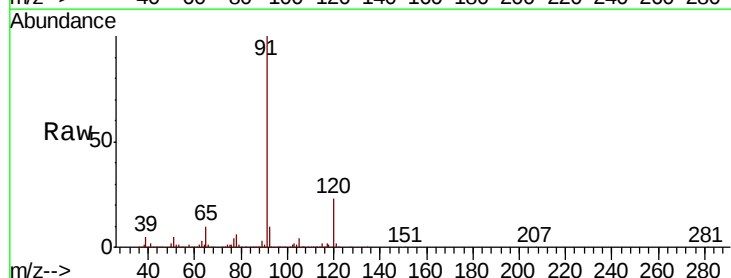
Acq: 07 Aug 2018 20:45

Tgt Ion: 91 Resp: 929563

Ion Ratio Lower Upper

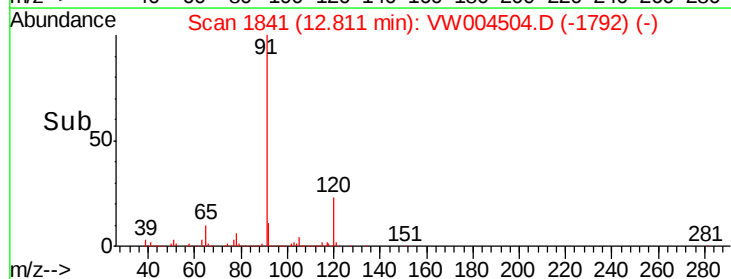
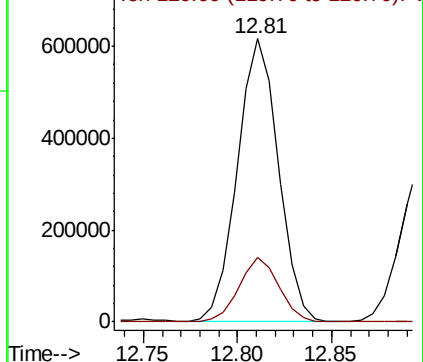
91 100

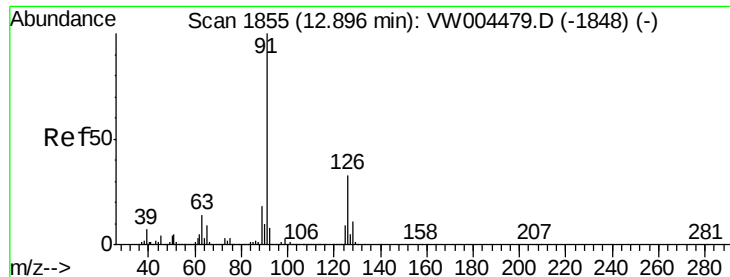
120 22.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

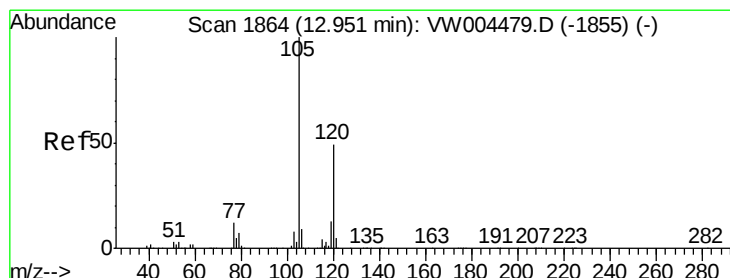
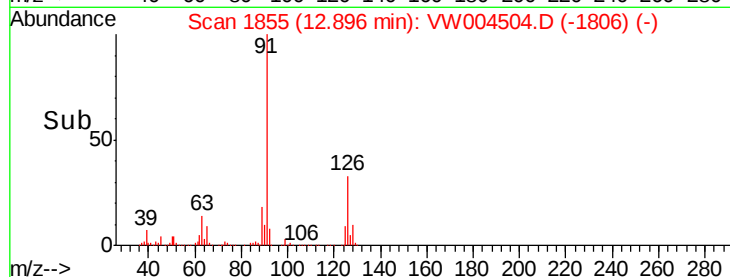
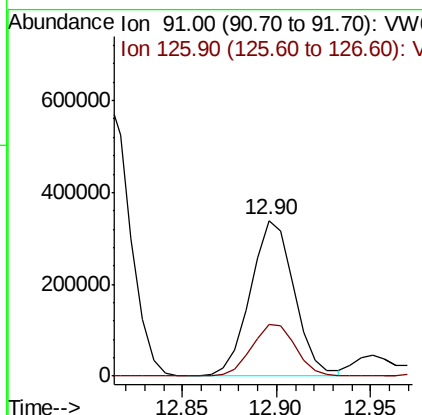
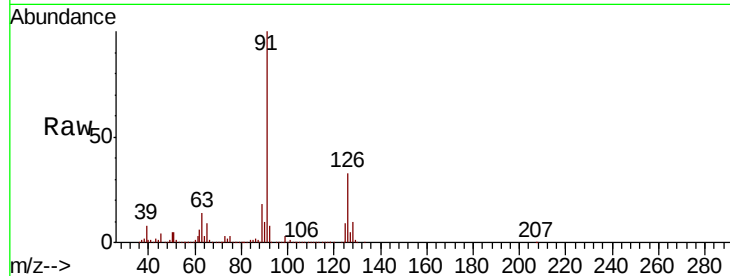




#79
 2-Chlorotoluene
 Concen: 19.648 ug/l
 RT: 12.90 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW004504.D
 Acq: 07 Aug 2018 20:45

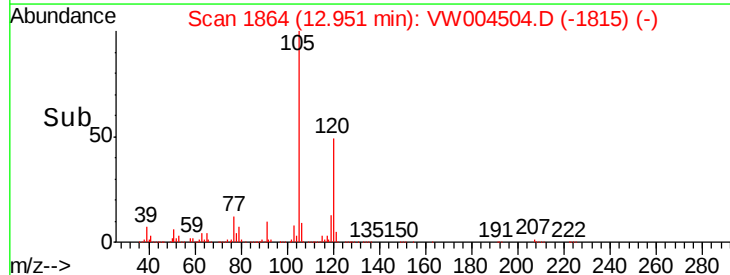
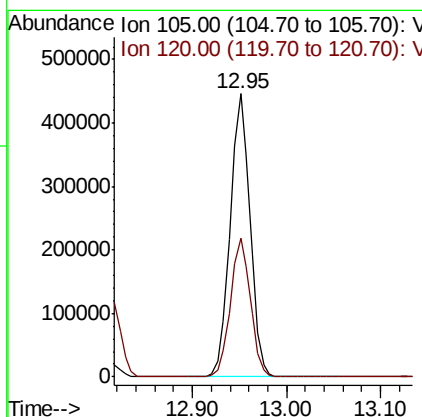
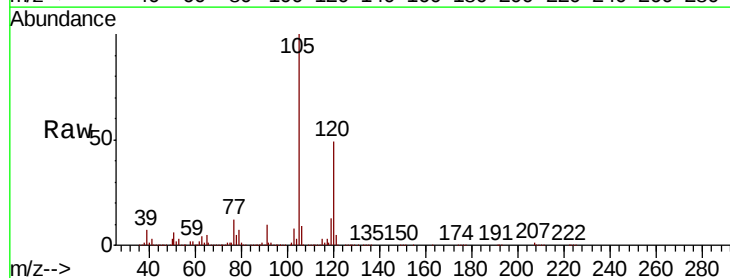
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBSD01

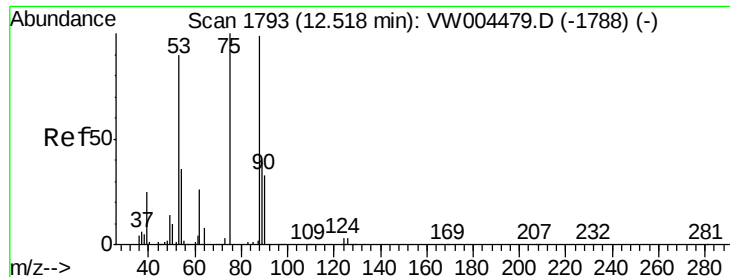
Tgt Ion: 91 Resp: 545374
 Ion Ratio Lower Upper
 91 100
 126 33.2 16.6 49.8



#80
 1,3,5-Trimethylbenzene
 Concen: 19.680 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VW004504.D
 Acq: 07 Aug 2018 20:45

Tgt Ion: 105 Resp: 652552
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.201 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBSD01

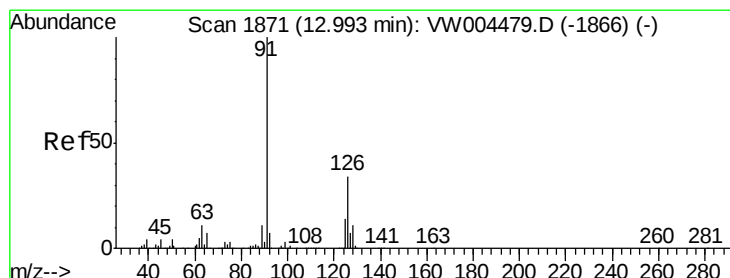
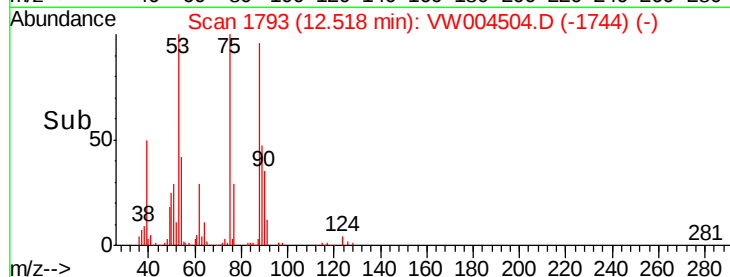
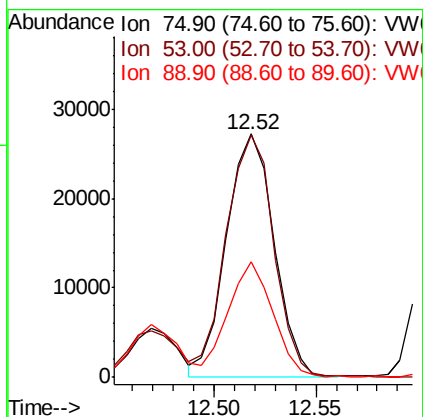
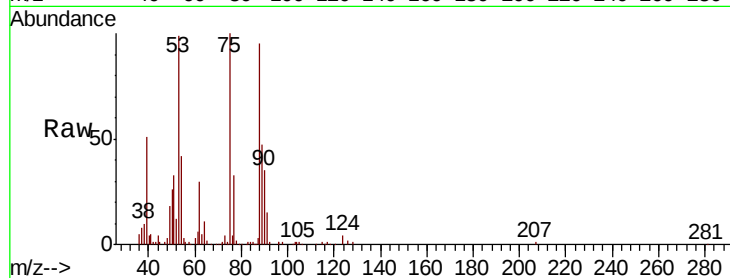
Tgt Ion: 75 Resp: 44213

Ion Ratio Lower Upper

75 100

53 100.1 74.4 111.6

89 44.7 35.9 53.9



#82

4-Chlorotoluene

Concen: 20.033 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VW004504.D

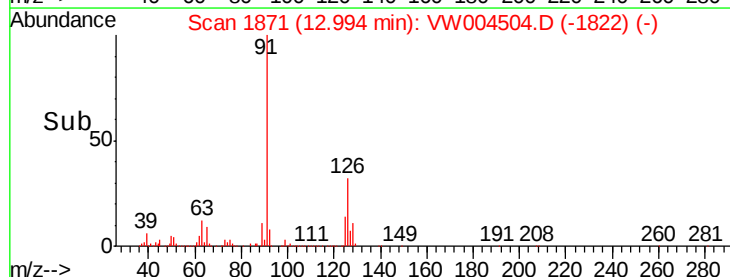
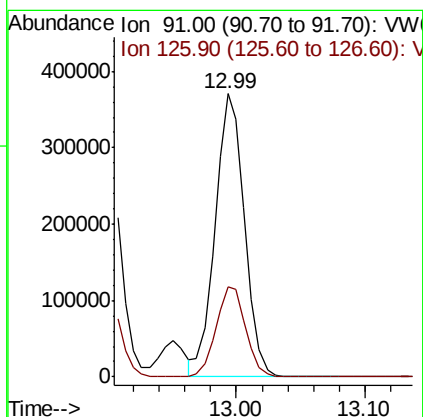
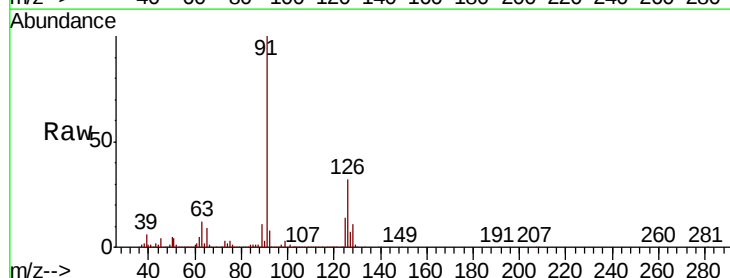
Acq: 07 Aug 2018 20:45

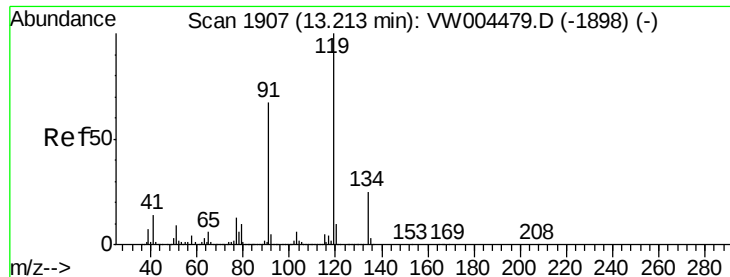
Tgt Ion: 91 Resp: 590127

Ion Ratio Lower Upper

91 100

126 32.3 16.5 49.5

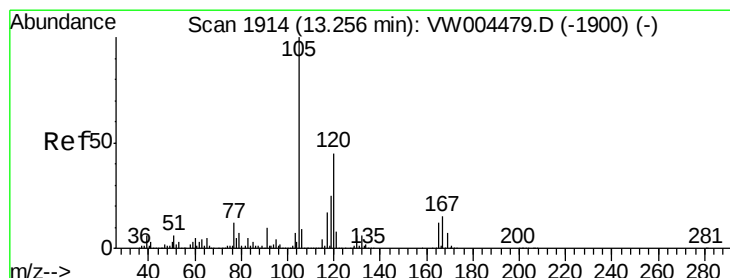
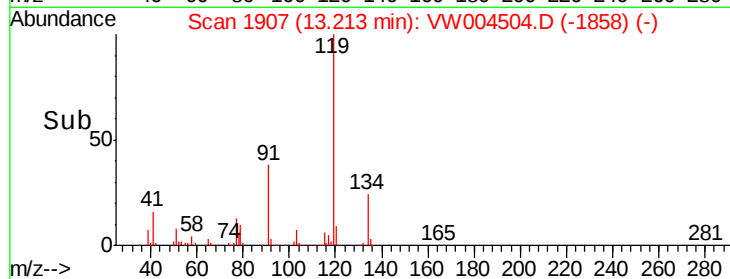
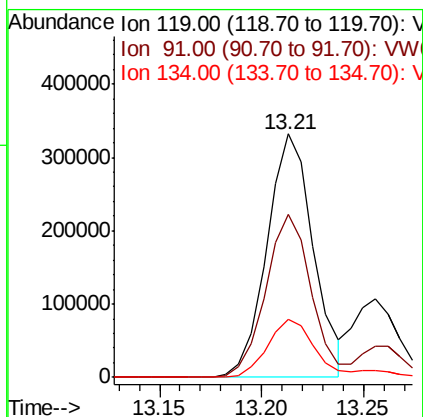
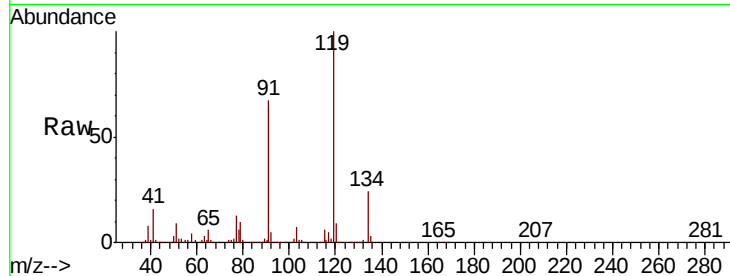




#83
tert-Butylbenzene
Concen: 18.949 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW004504.D
Acq: 07 Aug 2018 20:45

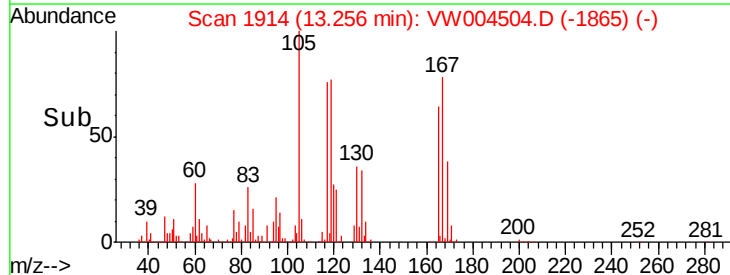
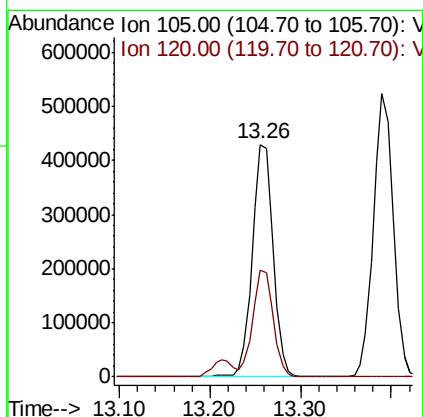
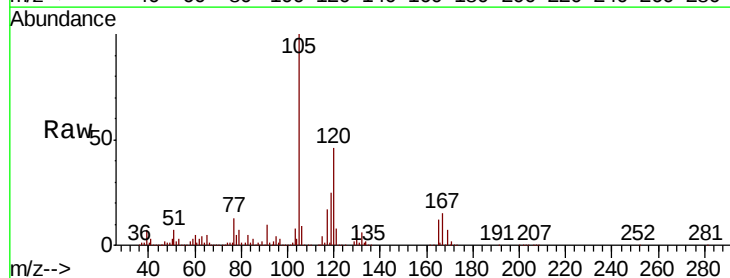
Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

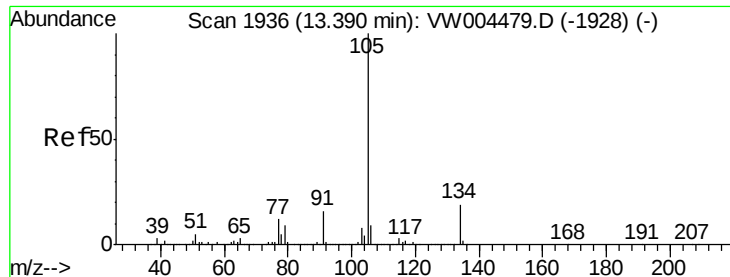
Tgt Ion:119 Resp: 527032
Ion Ratio Lower Upper
119 100
91 66.1 33.3 99.8
134 23.9 12.2 36.6



#84
1,2,4-Trimethylbenzene
Concen: 19.922 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VW004504.D
Acq: 07 Aug 2018 20:45

Tgt Ion:105 Resp: 683853
Ion Ratio Lower Upper
105 100
120 44.7 22.6 67.8

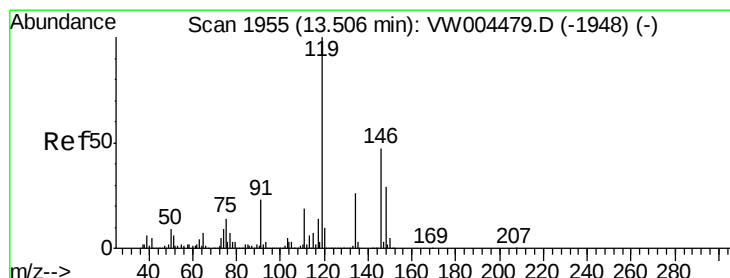
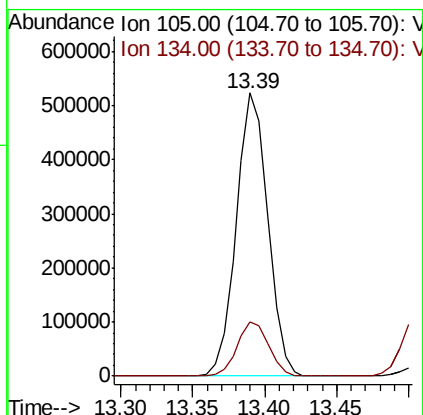
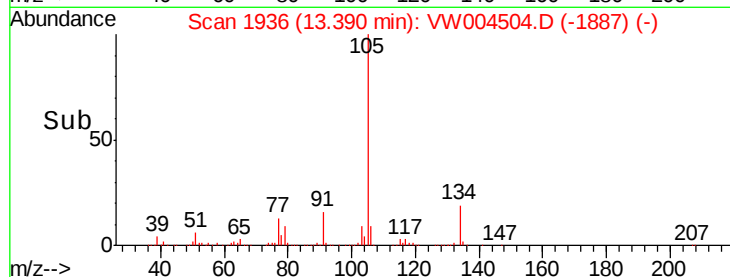
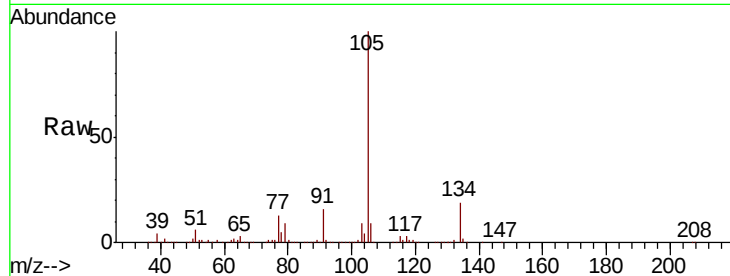




#85
 sec-Butylbenzene
 Concen: 18.972 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW004504.D
 Acq: 07 Aug 2018 20:45

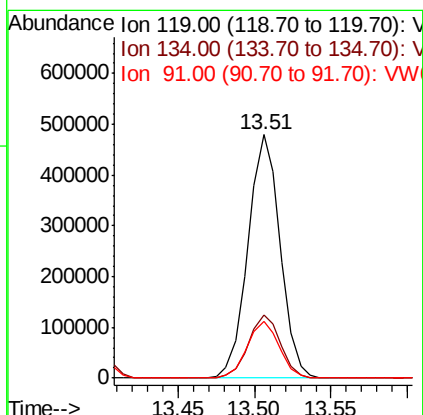
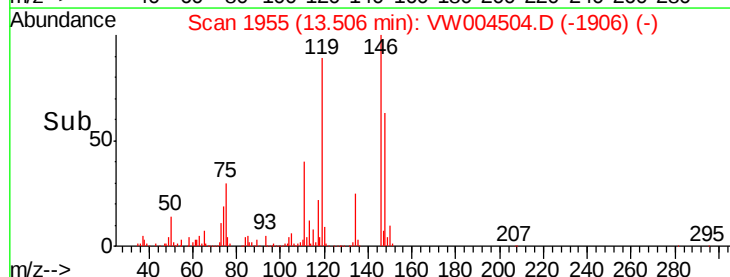
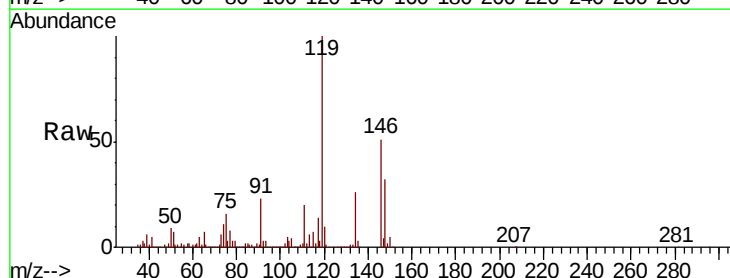
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBSD01

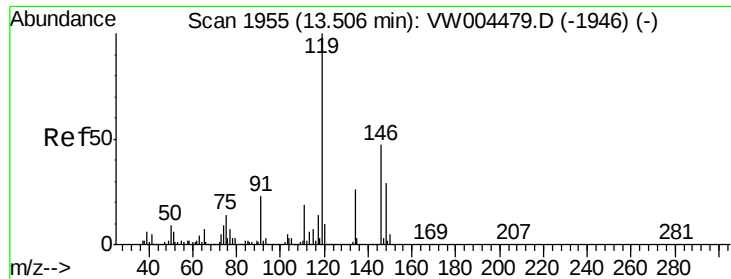
Tgt Ion:105 Resp: 796052
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 19.194 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004504.D
 Acq: 07 Aug 2018 20:45

Tgt Ion:119 Resp: 697880
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.1 39.1
 91 23.3 11.4 34.1

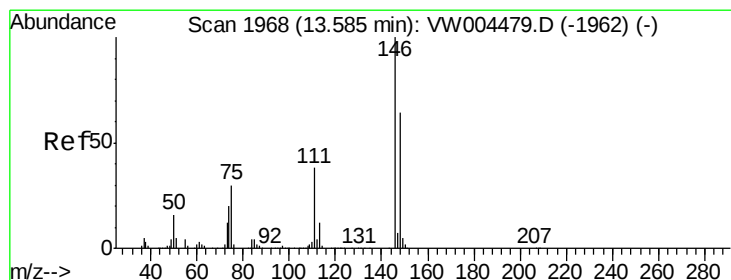
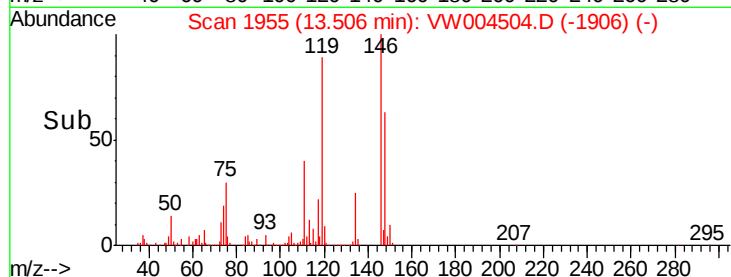
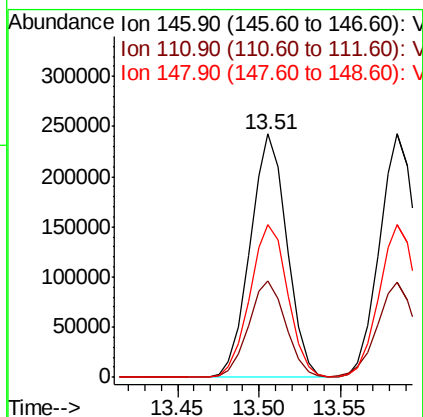
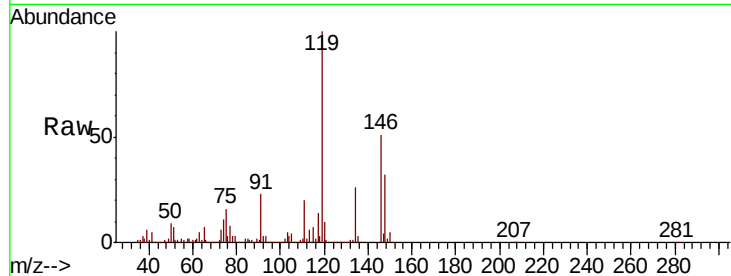




#87
 1,3-Dichlorobenzene
 Concen: 19.580 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004504.D
 Acq: 07 Aug 2018 20:45

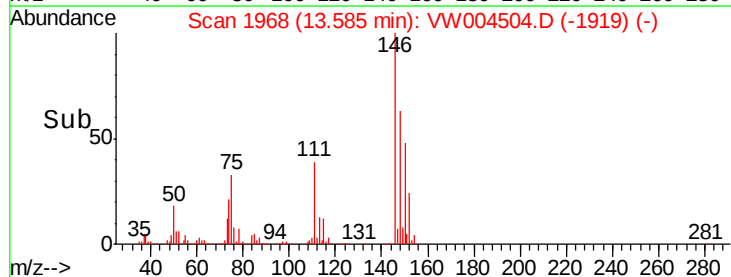
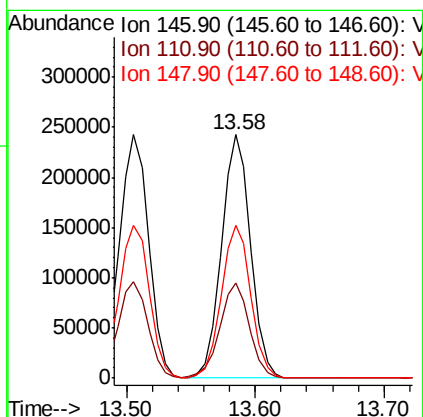
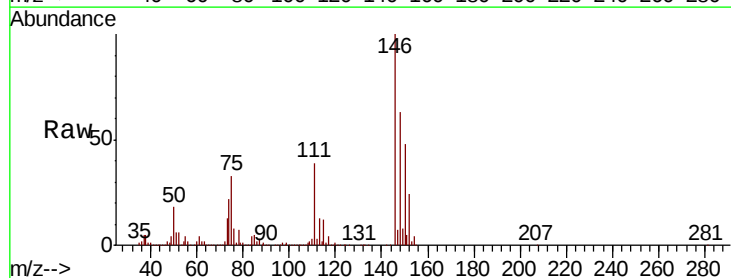
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBS01

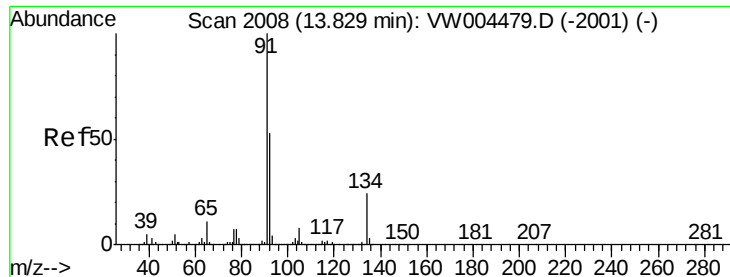
Tgt Ion:146 Resp: 379413
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.0 59.9
 148 64.7 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 19.844 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004504.D
 Acq: 07 Aug 2018 20:45

Tgt Ion:146 Resp: 382803
 Ion Ratio Lower Upper
 146 100
 111 40.1 19.6 58.8
 148 63.8 31.9 95.5





#89

n-Butylbenzene

Concen: 18.719 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. 0.01 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBSD01

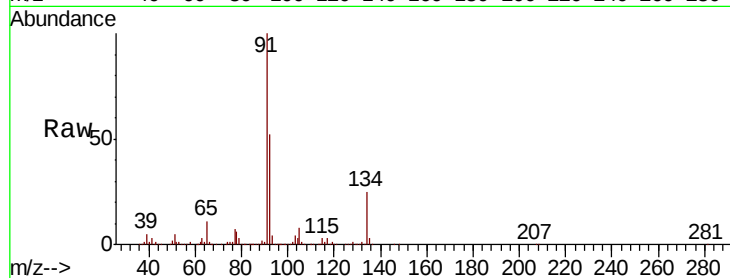
Tgt Ion: 91 Resp: 668691

Ion Ratio Lower Upper

91 100

92 51.8 26.4 79.0

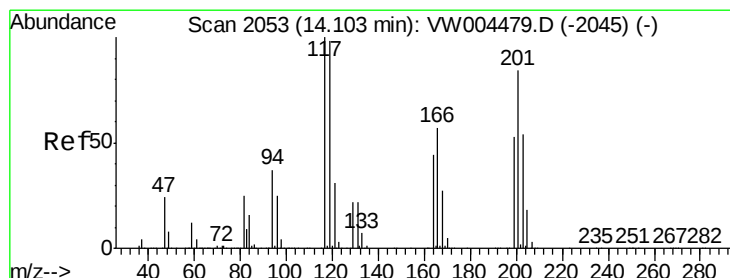
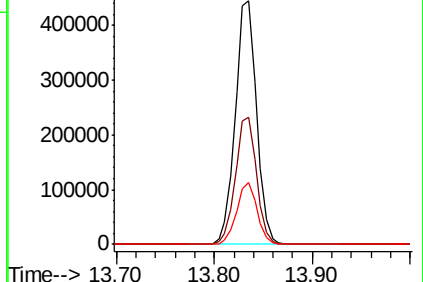
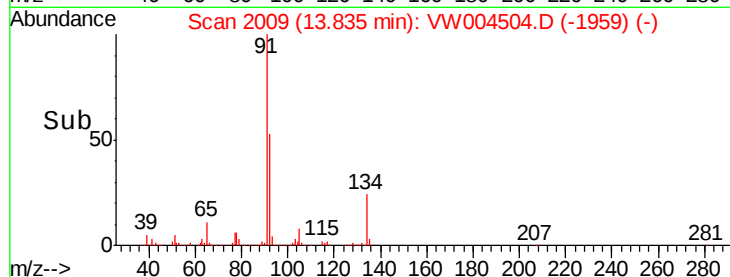
134 24.5 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 18.685 ug/l

RT: 14.10 min Scan# 2052

Delta R.T. -0.01 min

Lab File: VW004504.D

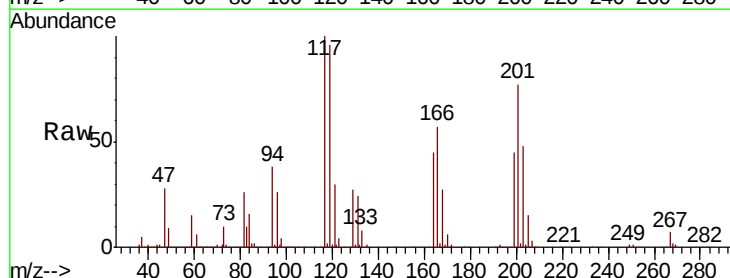
Acq: 07 Aug 2018 20:45

Tgt Ion: 117 Resp: 125691

Ion Ratio Lower Upper

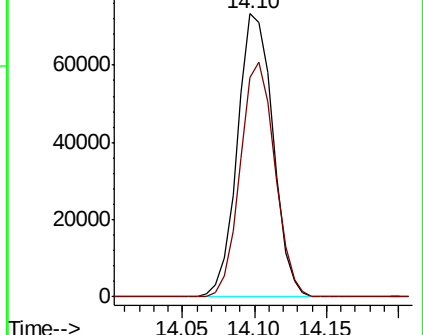
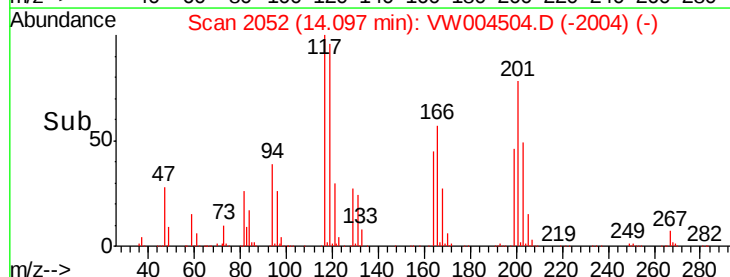
117 100

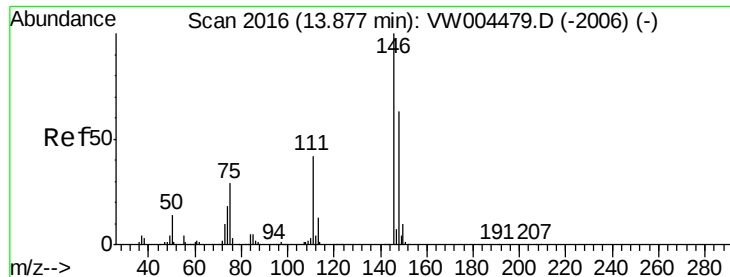
201 80.6 40.1 120.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

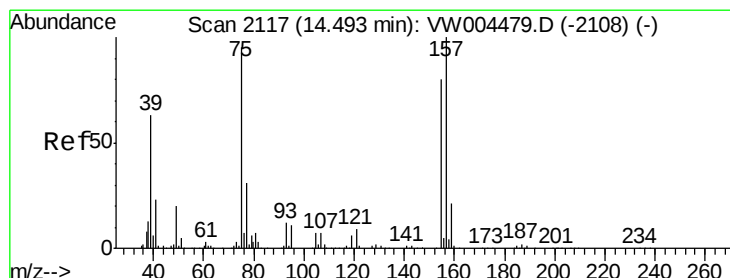
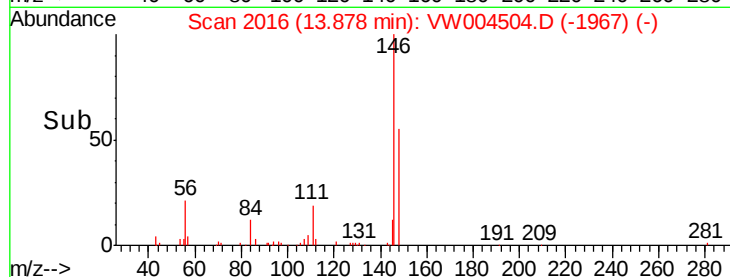
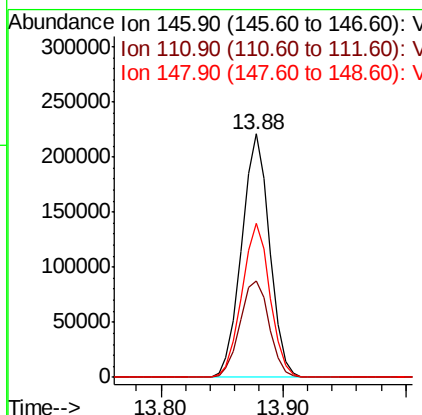
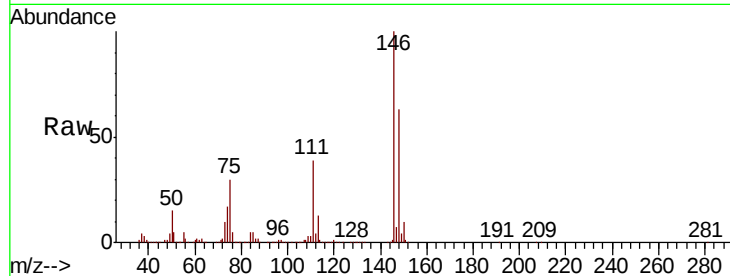




#91
 1,2-Dichlorobenzene
 Concen: 19.873 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004504.D
 Acq: 07 Aug 2018 20:45

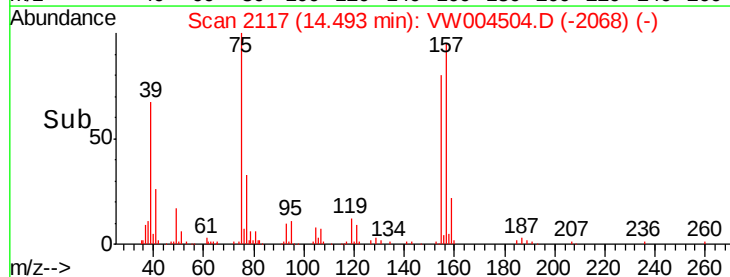
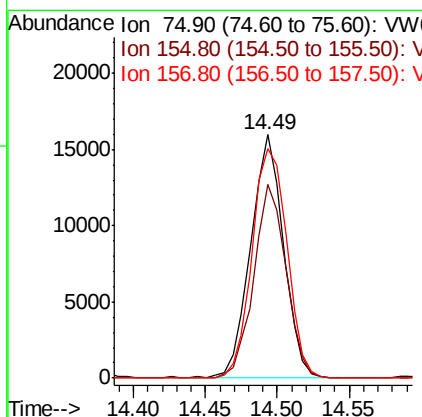
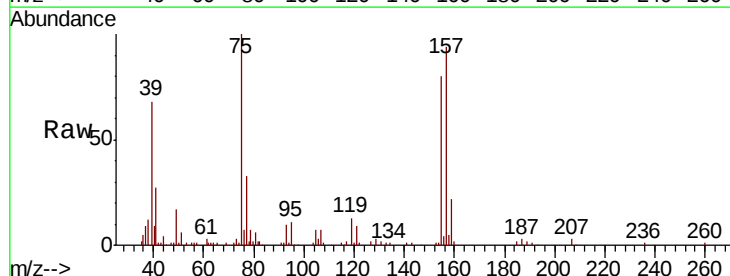
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBSD01

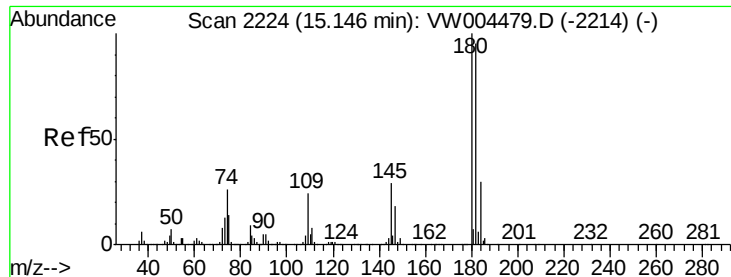
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.8	62.2
148	63.4	31.8	95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.979 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004504.D
 Acq: 07 Aug 2018 20:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.1	41.3	123.7
157	100.1	52.6	157.8

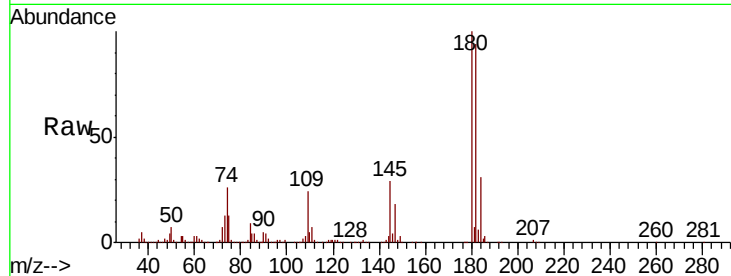




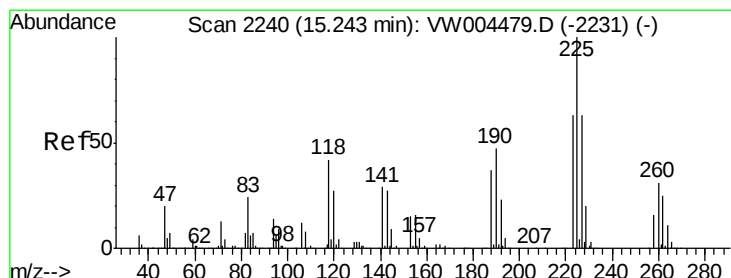
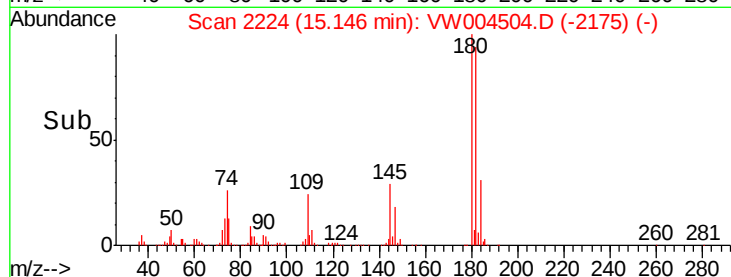
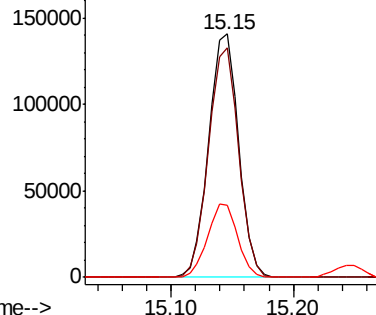
#93
 1,2,4-Trichlorobenzene
 Concen: 19.600 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004504.D
 Acq: 07 Aug 2018 20:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBSD01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.9	143.6
145	30.1	14.9	44.9

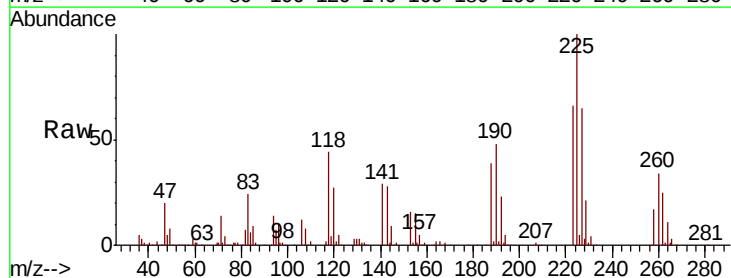


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

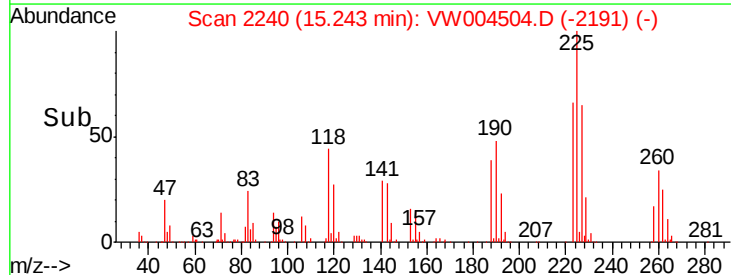
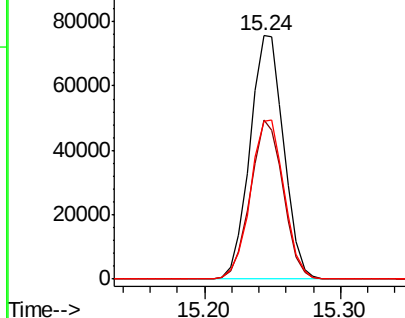


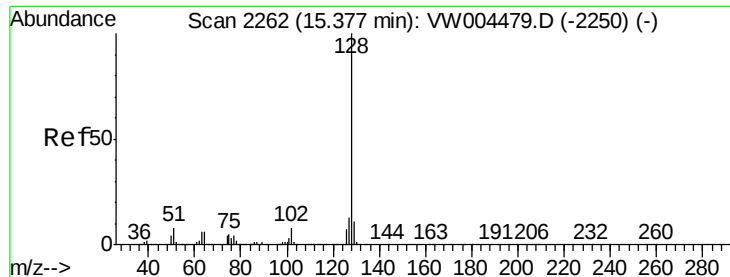
#94
 Hexachlorobutadiene
 Concen: 18.582 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. 0.00 min
 Lab File: VW004504.D
 Acq: 07 Aug 2018 20:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.3	93.8
227	65.2	31.8	95.4



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

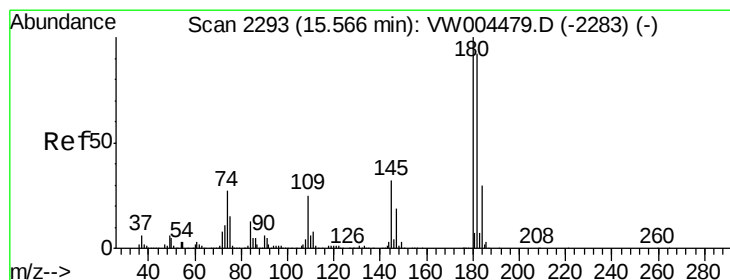
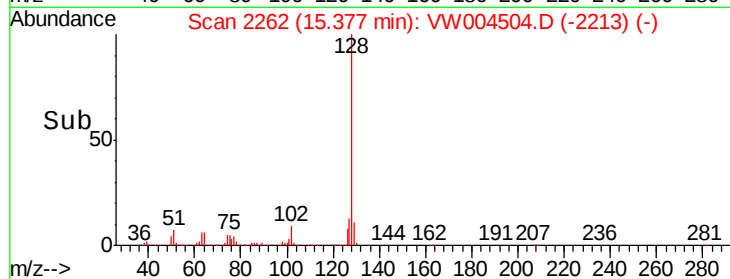
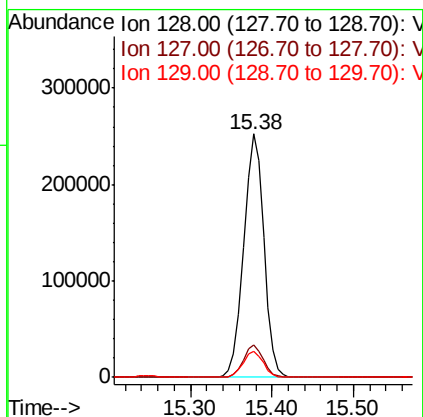
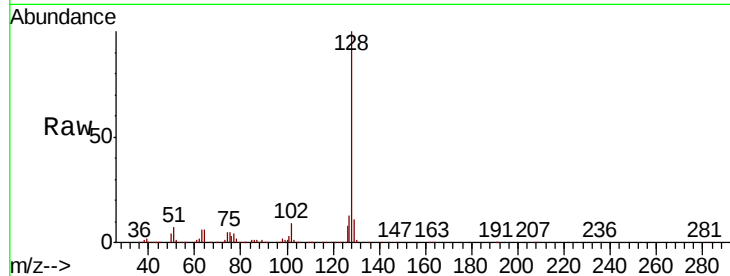




#95
Naphthalene
Concen: 19.095 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004504.D
Acq: 07 Aug 2018 20:45

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBSD01

Tgt Ion:128 Resp: 431588
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.995 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VW004504.D
Acq: 07 Aug 2018 20:45

Tgt Ion:180 Resp: 218706
Ion Ratio Lower Upper
180 100
182 95.0 47.0 141.2
145 31.9 15.9 47.6

