

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110218\
 Data File : VW006543.D
 Acq On : 31 Oct 2018 23:55
 Operator : SY/AP
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Quant Time: Nov 01 03:07:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:03:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	291259	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	416896	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	387010	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	214026	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	24599	10.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.18%	
35) Dibromofluoromethane	7.88	113	26999	10.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.66%	
50) Toluene-d8	10.33	98	99529	10.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.94%	
62) 4-Bromofluorobenzene	12.62	95	36069	10.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	16275	11.424	ug/l	90
3) Chloromethane	2.21	50	20283	10.979	ug/l	93
4) Vinyl Chloride	2.37	62	29101	11.088	ug/l	96
5) Bromomethane	2.79	94	24055	10.128	ug/l	94
6) Chloroethane	2.93	64	19883	10.606	ug/l	97
7) Trichlorofluoromethane	3.26	101	24154	9.982	ug/l	96
8) Diethyl Ether	3.68	74	13386	10.428	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	26245	10.211	ug/l	98
10) Methyl Iodide	4.27	142	47894	11.077	ug/l	100
11) Tert butyl alcohol	5.25	59	6973	43.825	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	25306	10.425	ug/l	99
13) Acrolein	3.90	56	8312	51.985	ug/l	100
14) Allyl chloride	4.67	41	31756	9.262	ug/l	97
15) Acrylonitrile	5.38	53	21937	46.880	ug/l	99
16) Acetone	4.15	43	20604	40.096	ug/l	96
17) Carbon Disulfide	4.37	76	70262	9.692	ug/l	99
18) Methyl Acetate	4.68	43	11156	9.274	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	36509	9.919	ug/l	98
20) Methylene Chloride	4.92	84	39328	13.773	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	28577	10.537	ug/l	98
22) Diisopropyl ether	6.31	45	66870	9.795	ug/l	96
23) Vinyl Acetate	6.26	43	174144	43.503	ug/l	99
24) 1,1-Dichloroethane	6.22	63	45802	10.351	ug/l	99
25) 2-Butanone	7.18	43	28637	44.387	ug/l	96
26) 2,2-Dichloropropane	7.17	77	28428	9.285	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	31470	10.483	ug/l	99
28) Bromochloromethane	7.51	49	17416	10.220	ug/l	99
29) Tetrahydrofuran	7.54	42	17370	43.729	ug/l	98
30) Chloroform	7.68	83	50522	10.436	ug/l	99
31) Cyclohexane	7.96	56	43708	10.039	ug/l #	91
32) 1,1,1-Trichloroethane	7.88	97	42445	9.831	ug/l	99
36) 1,1-Dichloropropene	8.08	75	39166	10.267	ug/l	99
37) Ethyl Acetate	7.26	43	12743	9.035	ug/l	100
38) Carbon Tetrachloride	8.07	117	40129	9.663	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	49085	9.729	ug/l	99
40) Benzene	8.33	78	110593	10.486	ug/l	100
41) Methacrylonitrile	7.49	41	7420	8.791	ug/l	95
42) 1,2-Dichloroethane	8.40	62	31533	10.243	ug/l	100
43) Isopropyl Acetate	8.43	43	24607	8.588	ug/l	98
44) Trichloroethene	9.09	130	34738	10.730	ug/l	100
45) 1,2-Dichloropropane	9.37	63	25538	10.159	ug/l	97
46) Dibromomethane	9.46	93	14638	10.188	ug/l	99
47) Bromodichloromethane	9.65	83	33393	9.619	ug/l	99
48) Methyl methacrylate	9.44	41	11676	8.573	ug/l	99
49) 1,4-Dioxane	9.49	88	4077	185.570	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	62008	42.984	ug/l	99
52) Toluene	10.39	92	73024	10.330	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	30636	8.893	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	37172	9.380	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	21169	10.505	ug/l	95
56) Ethyl methacrylate	10.65	69	22040	8.982	ug/l	98
57) 1,3-Dichloropropane	10.93	76	33673	10.124	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	54181	55.575	ug/l	99
59) 2-Hexanone	10.98	43	41394	40.358	ug/l	98
60) Dibromochloromethane	11.13	129	22967	9.192	ug/l	98
61) 1,2-Dibromoethane	11.24	107	20147	10.011	ug/l	100
64) Tetrachloroethene	10.87	164	33011	10.903	ug/l	99
65) Chlorobenzene	11.66	112	86813	10.466	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	28930	9.844	ug/l	98
67) Ethyl Benzene	11.74	91	144701	10.122	ug/l	97
68) m/p-Xylenes	11.85	106	113681	20.079	ug/l	99
69) o-Xylene	12.17	106	53999	10.003	ug/l	100
70) Styrene	12.19	104	86036	9.791	ug/l	99
71) Bromoform	12.35	173	14039	8.634	ug/l #	96
73) Isopropylbenzene	12.47	105	147133	9.804	ug/l	100
74) N-amyl acetate	12.27	43	23277	8.126	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	22333	9.781	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	27708	16.730	ug/l #	100
77) Bromobenzene	12.75	156	38316	10.358	ug/l	99
78) n-propylbenzene	12.81	91	172503	9.909	ug/l	99
79) 2-Chlorotoluene	12.90	91	98641	10.076	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	125548	9.937	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	4954	7.388	ug/l	94
82) 4-Chlorotoluene	12.99	91	105541	10.252	ug/l	99
83) tert-Butylbenzene	13.21	119	110903	9.806	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	128724	10.039	ug/l	98
85) sec-Butylbenzene	13.39	105	157801	9.906	ug/l	100
86) p-Isopropyltoluene	13.51	119	141110	9.785	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	76611	10.408	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	76339	10.424	ug/l	97
89) n-Butylbenzene	13.83	91	126824	9.643	ug/l	99
90) Hexachloroethane	14.10	117	22258	9.157	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	68694	10.460	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3642	9.043	ug/l	90

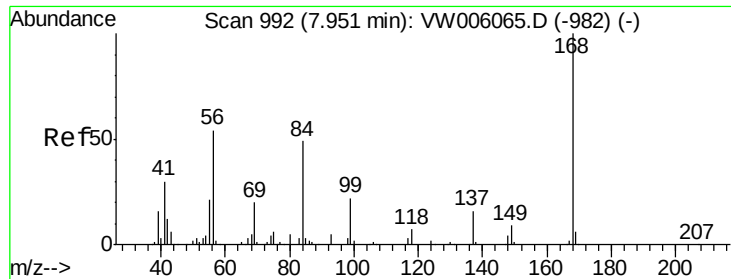
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW110218\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	50105	9.908	ug/l	99
94) Hexachlorobutadiene	15.24	225	31950	10.122	ug/l	98
95) Naphthalene	15.38	128	73204	8.736	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	42995	9.816	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

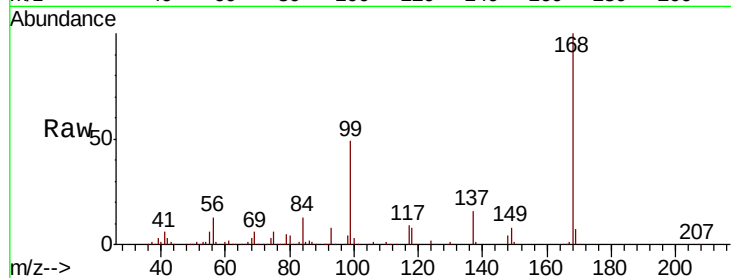
VSTDIC010

Tgt Ion:168 Resp: 291259

Ion Ratio Lower Upper

168 100

99 49.0 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

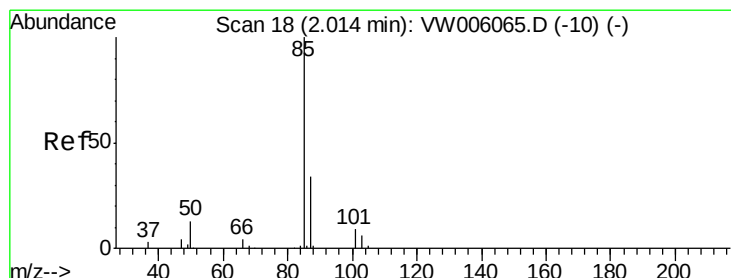
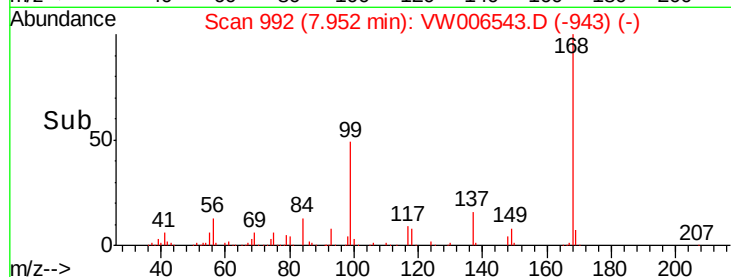
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 11.424 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW006543.D

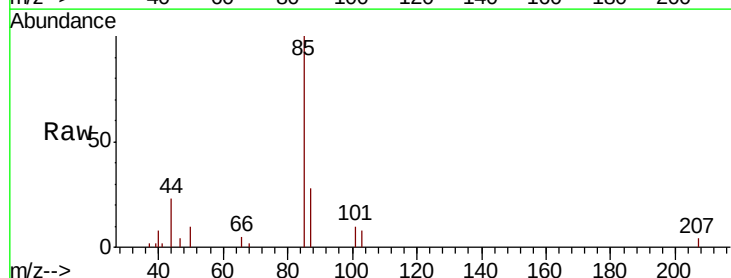
Acq: 31 Oct 2018 23:55

Tgt Ion: 85 Resp: 16275

Ion Ratio Lower Upper

85 100

87 27.7 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

5000

4000

3000

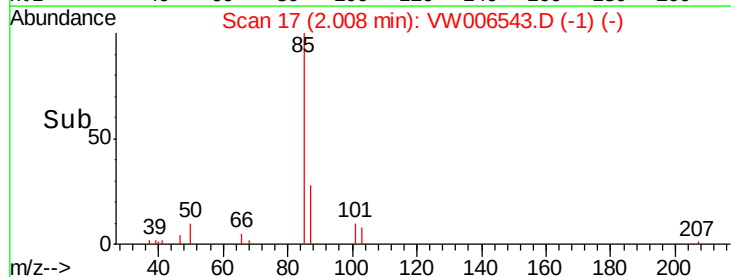
2000

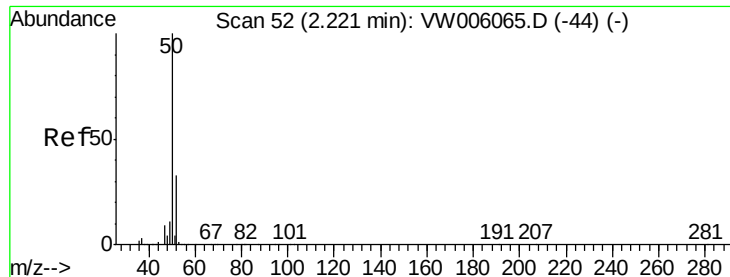
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0

1.90 2.00 2.10

Time-->

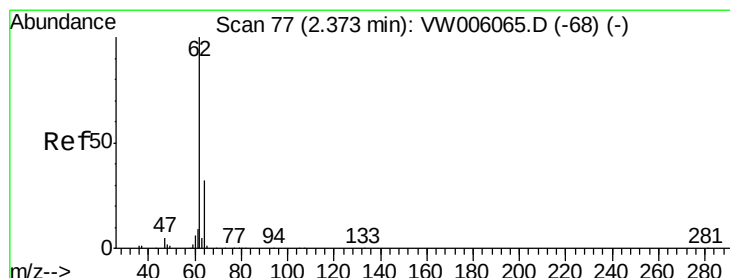
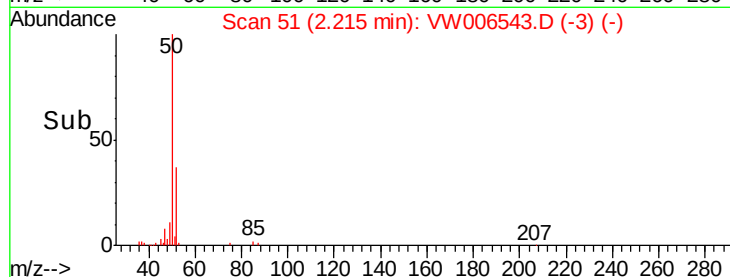
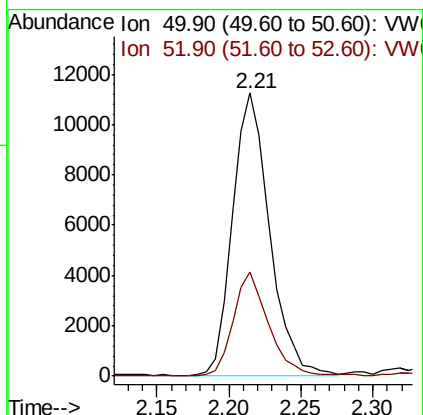
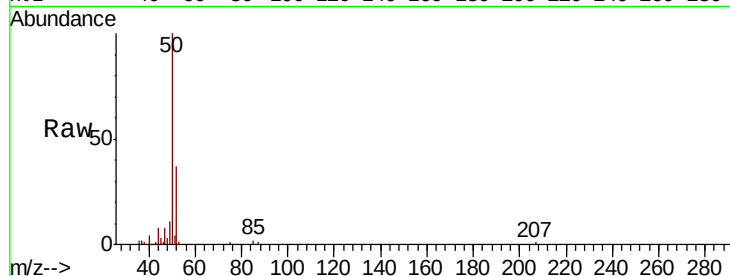




#3
Chloromethane
Concen: 10.979 ug/l
RT: 2.21 min Scan# 51
Delta R.T. -0.01 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

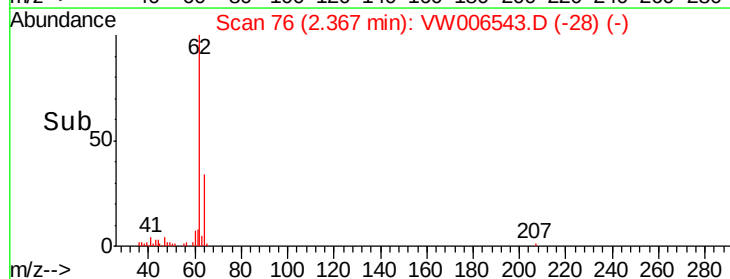
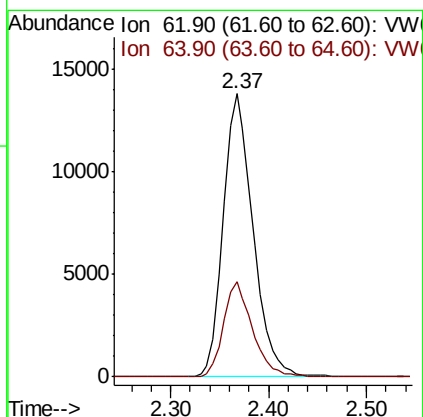
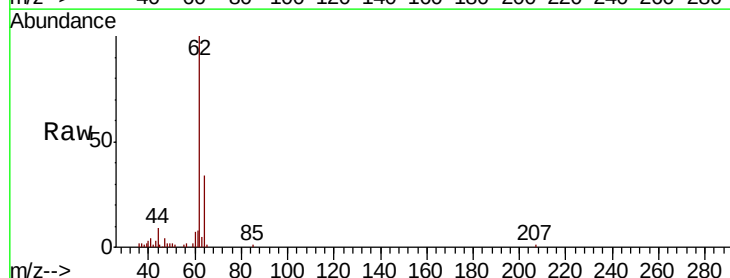
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

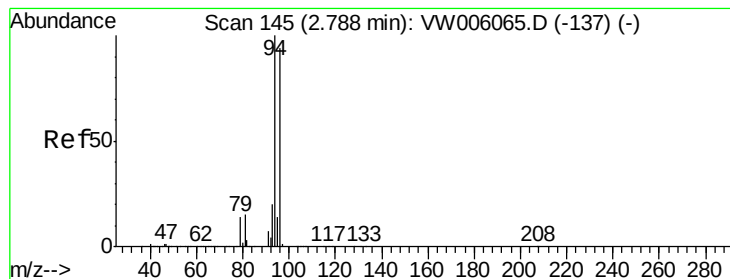
Tgt Ion: 50 Resp: 20283
Ion Ratio Lower Upper
50 100
52 36.6 26.2 39.4



#4
Vinyl Chloride
Concen: 11.088 ug/l
RT: 2.37 min Scan# 76
Delta R.T. -0.01 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Tgt Ion: 62 Resp: 29101
Ion Ratio Lower Upper
62 100
64 33.8 25.4 38.0





#5

Bromomethane

Concen: 10.128 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.01 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

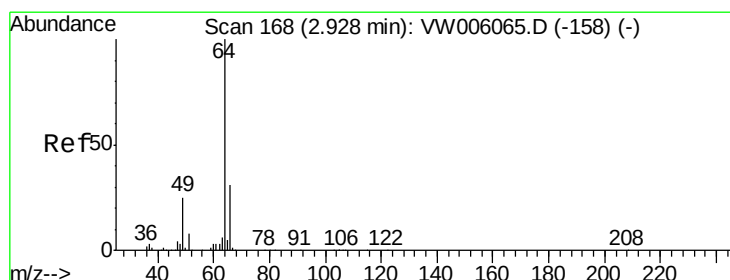
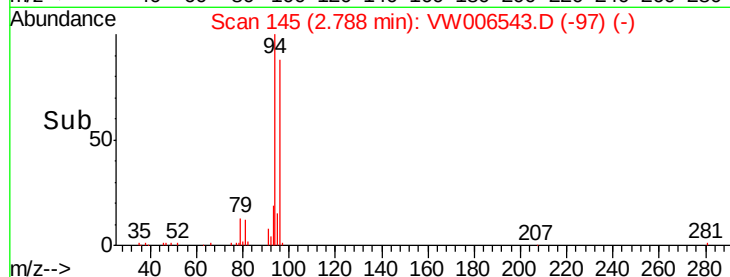
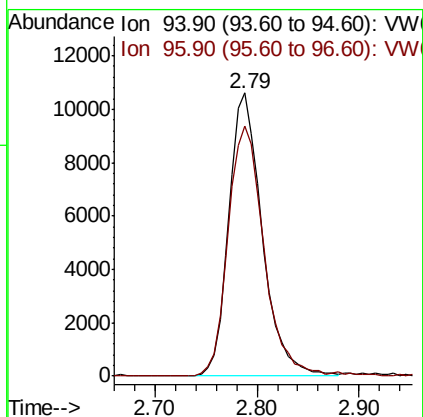
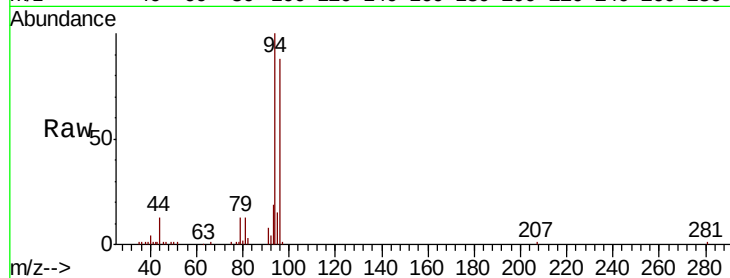
VSTDIC010

Tgt Ion: 94 Resp: 24055

Ion Ratio Lower Upper

94 100

96 88.4 75.7 113.5



#6

Chloroethane

Concen: 10.606 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW006543.D

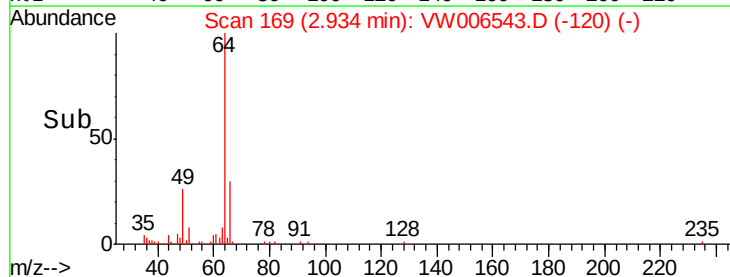
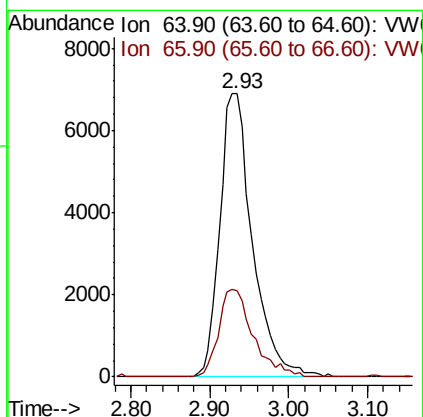
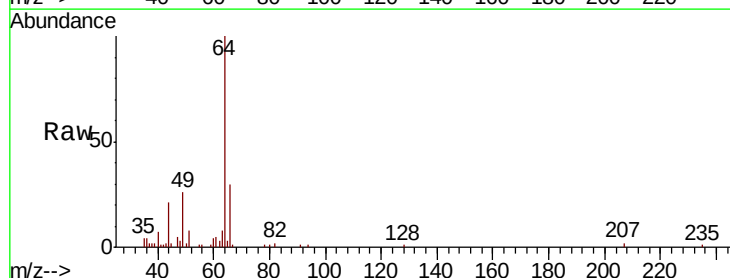
Acq: 31 Oct 2018 23:55

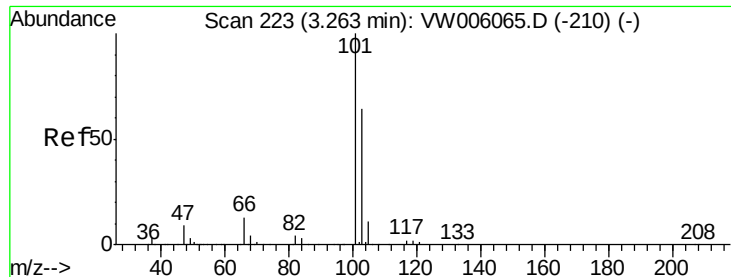
Tgt Ion: 64 Resp: 19883

Ion Ratio Lower Upper

64 100

66 30.5 25.9 38.9



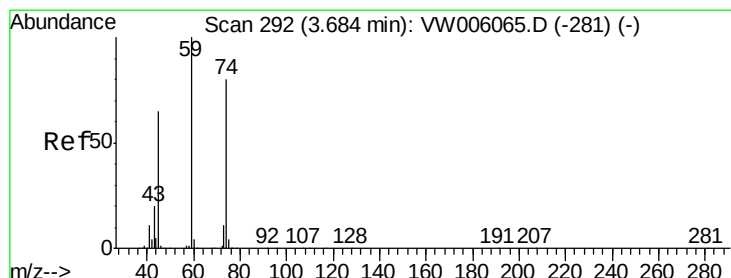
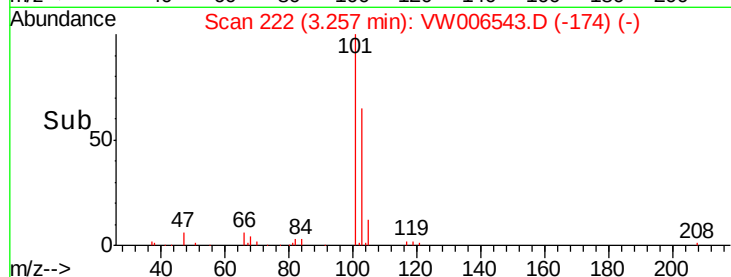
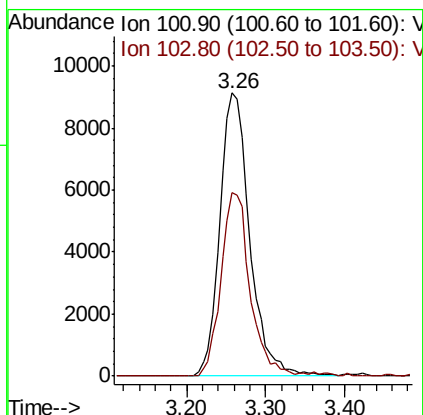
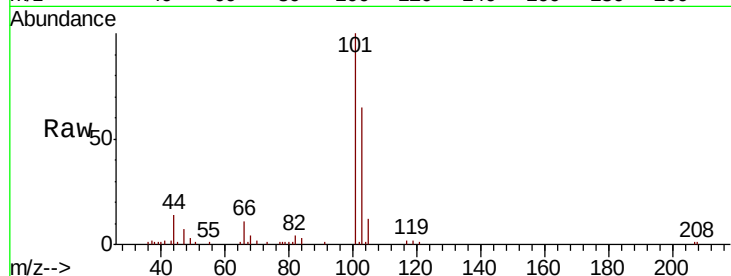


#7

Trichlorofluoromethane
Concen: 9.982 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW006543.D
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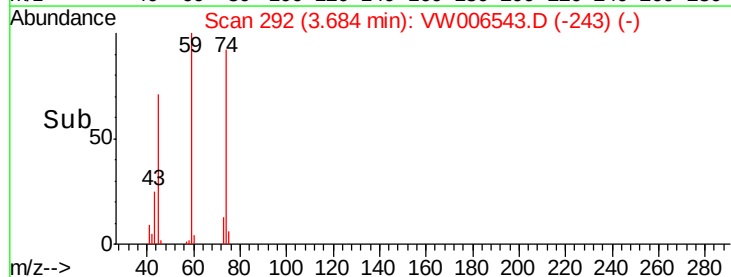
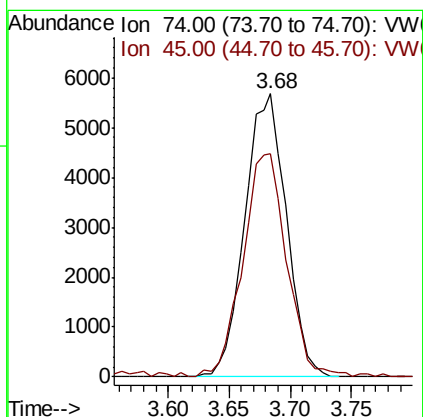
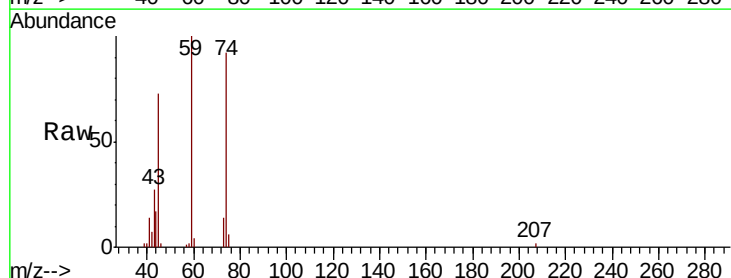
Tgt Ion:101 Resp: 24154
Ion Ratio Lower Upper
101 100
103 65.0 49.8 74.8

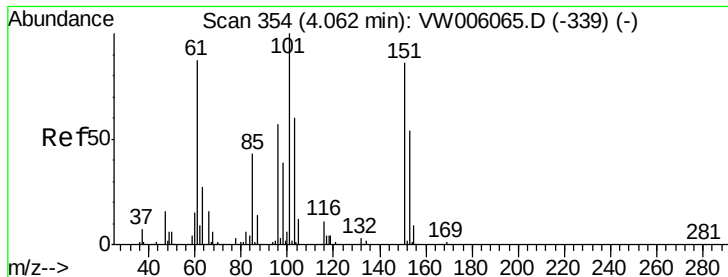


#8

Diethyl Ether
Concen: 10.428 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Tgt Ion: 74 Resp: 13386
Ion Ratio Lower Upper
74 100
45 83.4 41.1 123.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.211 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

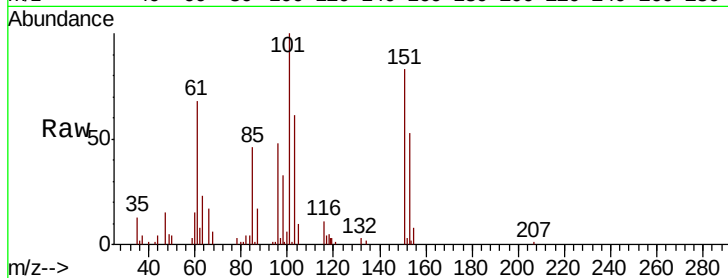
Tgt Ion:101 Resp: 26245

Ion Ratio Lower Upper

101 100

85 44.2 34.2 51.2

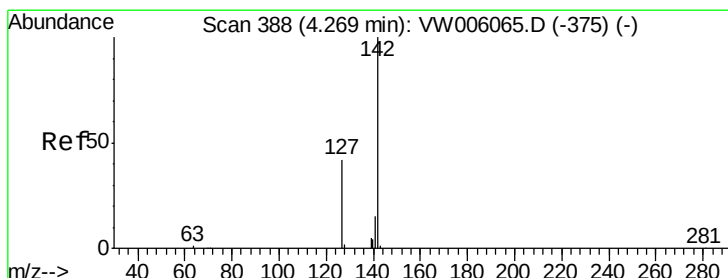
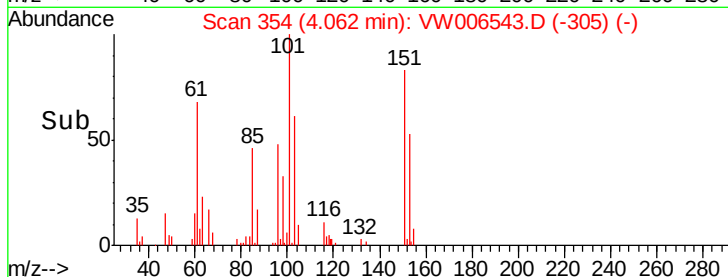
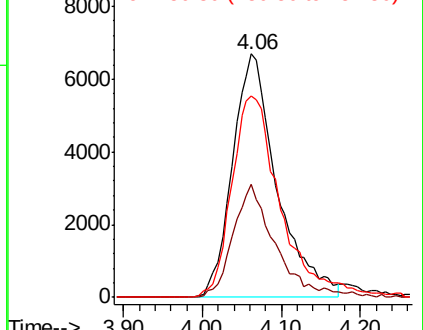
151 90.8 70.7 106.1



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: 11.077 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

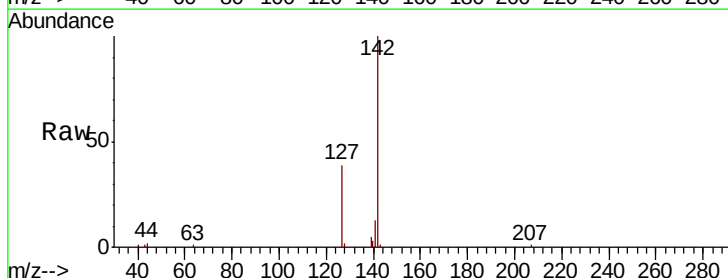
Tgt Ion:142 Resp: 47894

Ion Ratio Lower Upper

142 100

127 40.1 32.3 48.5

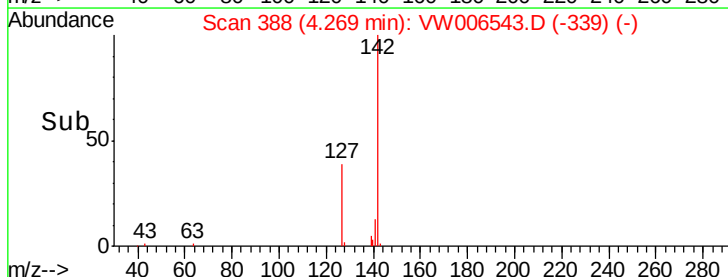
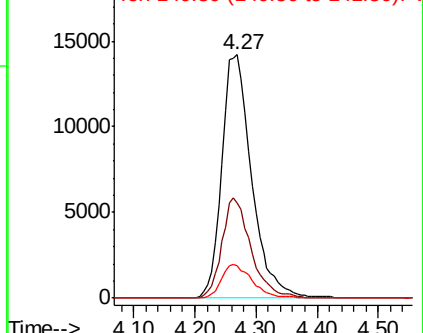
141 14.1 11.3 16.9

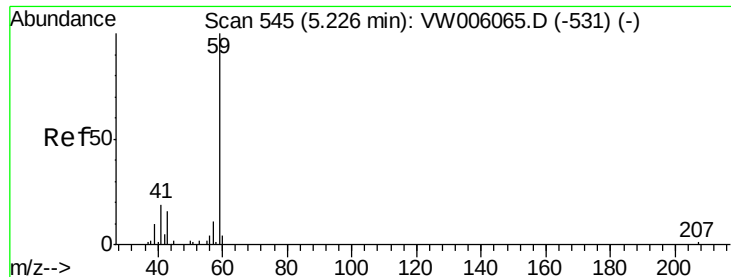


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



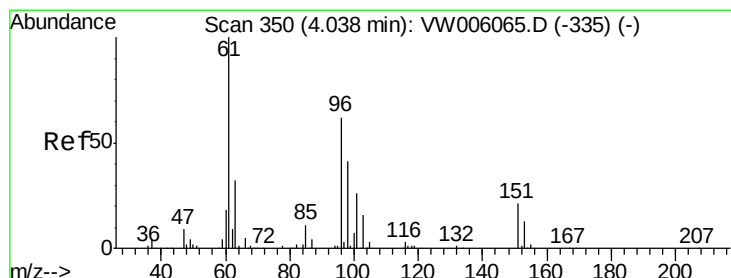
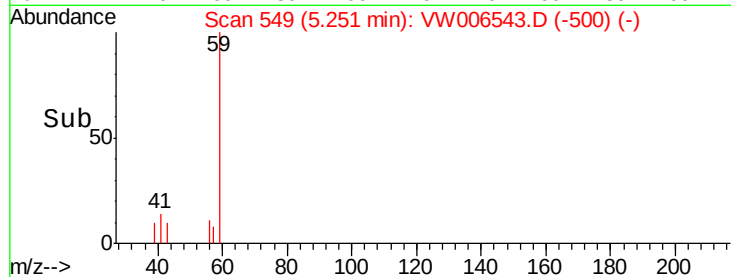
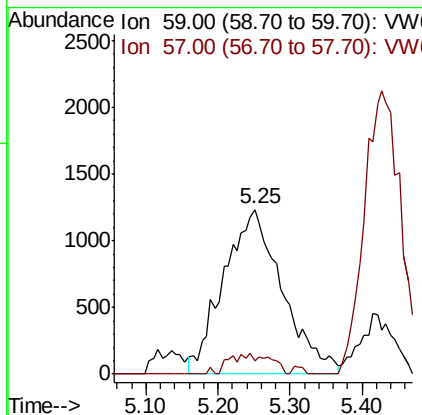
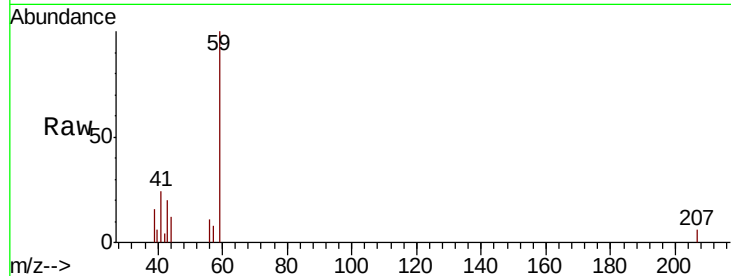


#11

Tert butyl alcohol
Concen: 43.825 ug/l
RT: 5.25 min Scan# 549
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

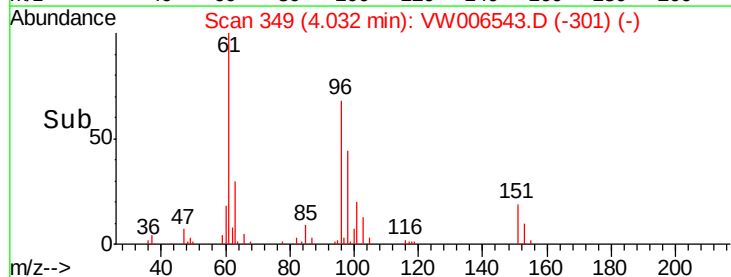
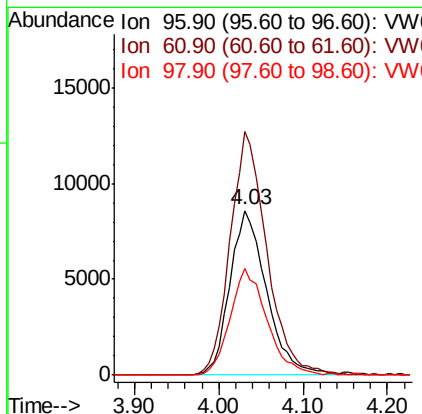
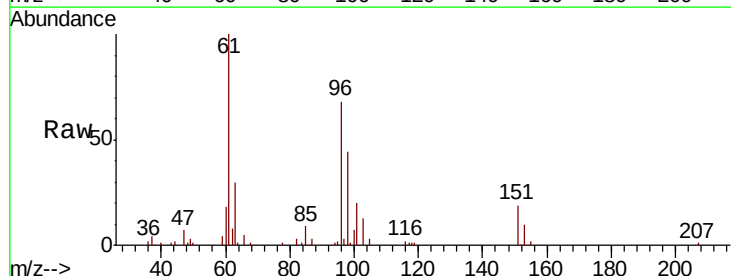
Tgt Ion: 59 Resp: 6973
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#

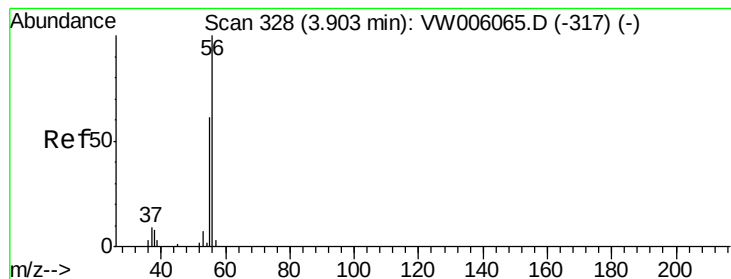


#12

1,1-Dichloroethene
Concen: 10.425 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Tgt Ion: 96 Resp: 25306
Ion Ratio Lower Upper
96 100
61 147.7 117.0 175.4
98 64.7 52.5 78.7





#13

Acrolein

Concen: 51.985 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

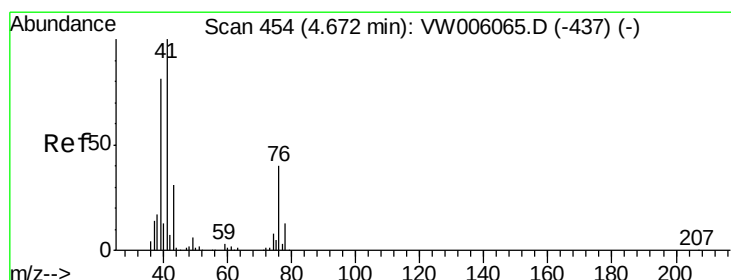
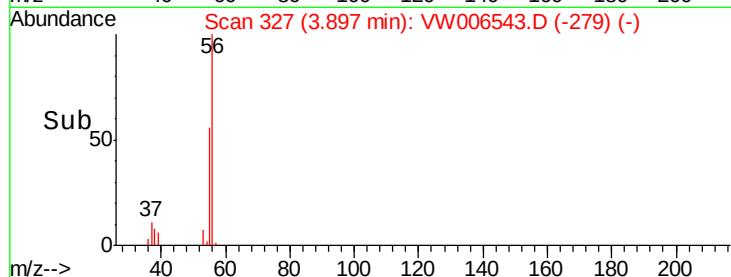
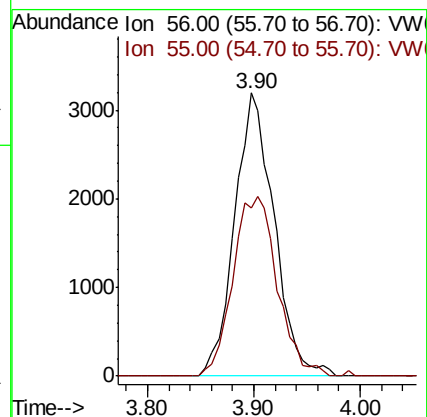
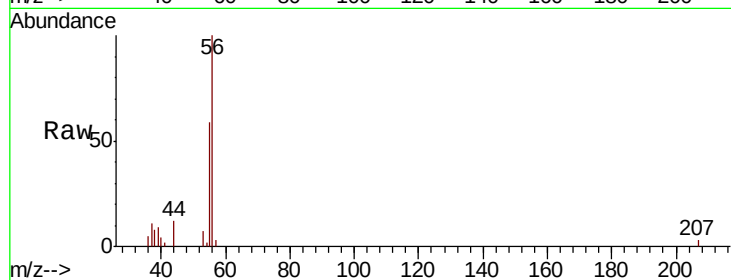
VSTDIC010

Tgt Ion: 56 Resp: 8312

Ion Ratio Lower Upper

56 100

55 71.0 56.9 85.3



#14

Allyl chloride

Concen: 9.262 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

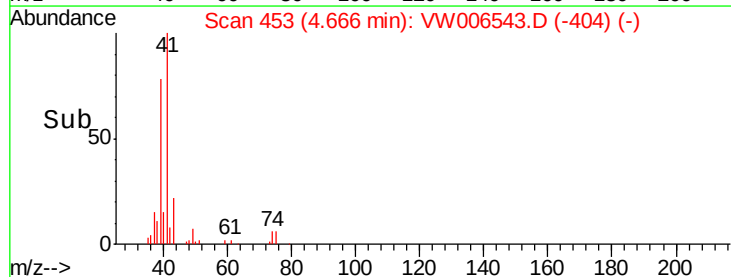
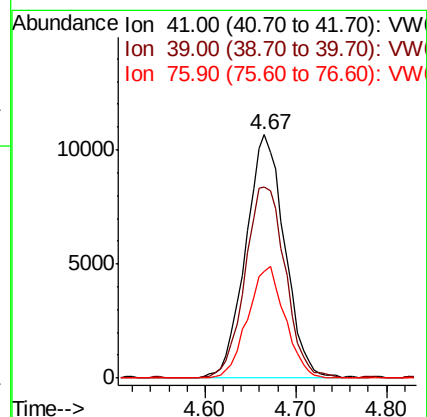
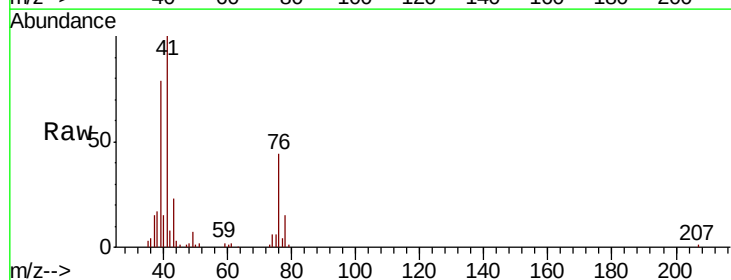
Tgt Ion: 41 Resp: 31756

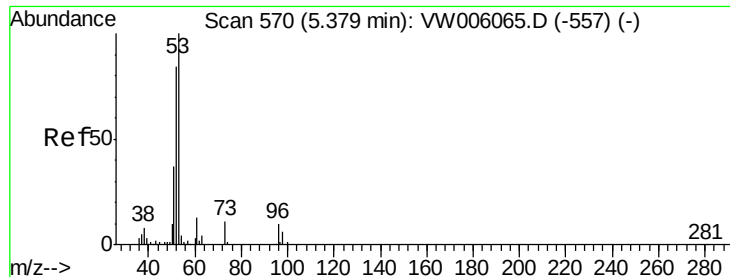
Ion Ratio Lower Upper

41 100

39 81.4 62.1 93.1

76 43.6 34.2 51.2





#15

Acrylonitrile

Concen: 46.880 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

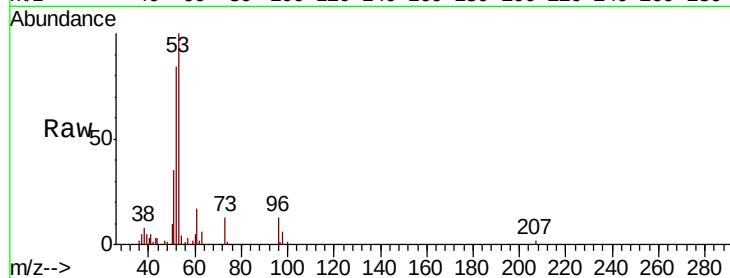
Tgt Ion: 53 Resp: 21937

Ion Ratio Lower Upper

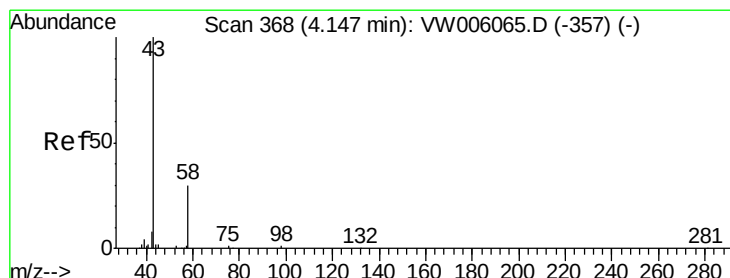
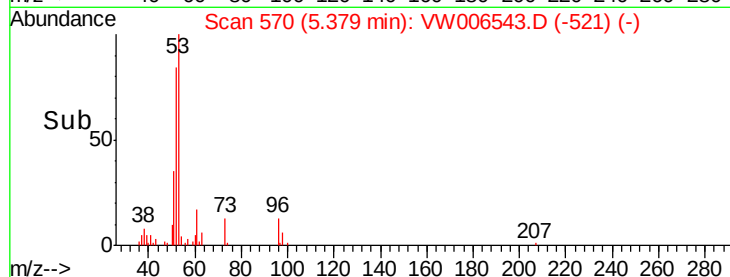
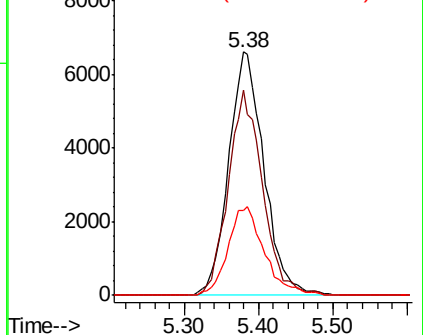
53 100

52 81.1 65.8 98.8

51 37.4 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 40.096 ug/l

RT: 4.15 min Scan# 368

Delta R.T. -0.01 min

Lab File: VW006543.D

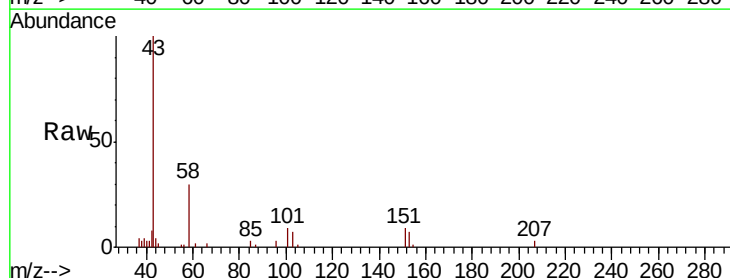
Acq: 31 Oct 2018 23:55

Tgt Ion: 43 Resp: 20604

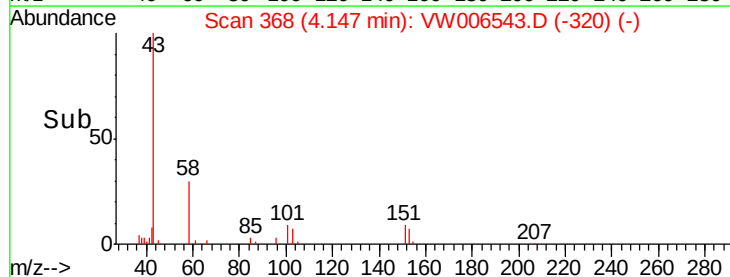
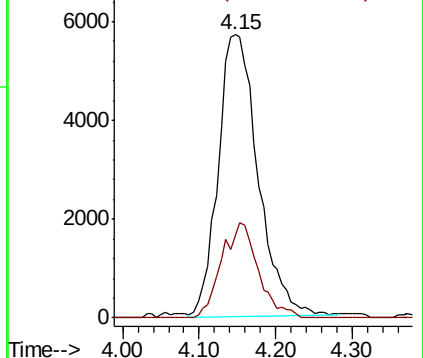
Ion Ratio Lower Upper

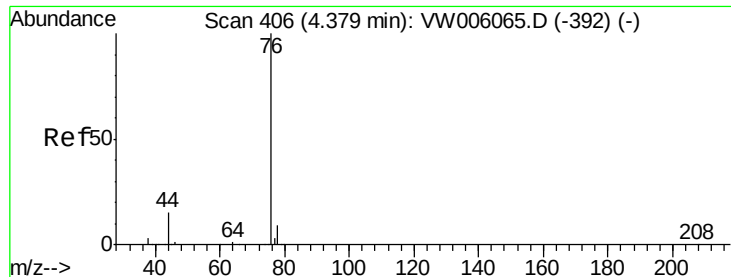
43 100

58 30.1 25.8 38.8



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





#17

Carbon Disulfide

Concen: 9.692 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

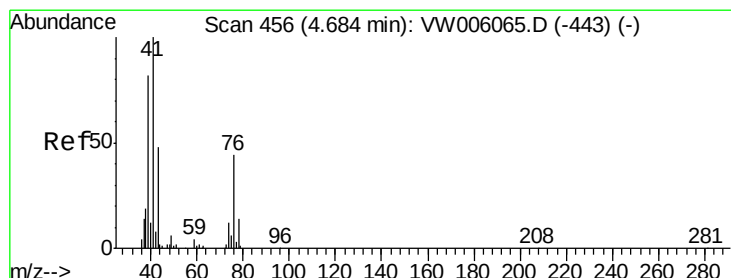
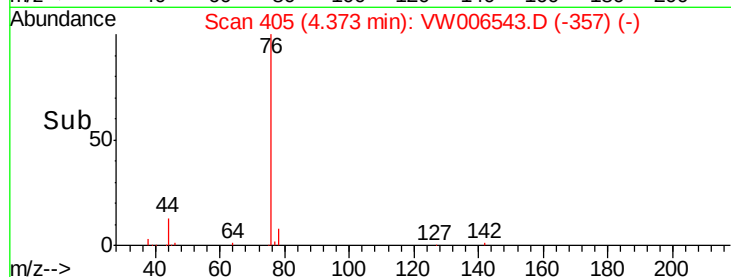
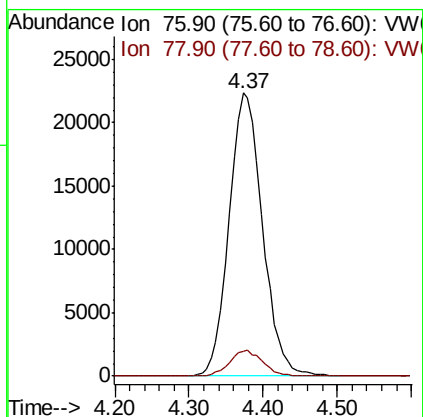
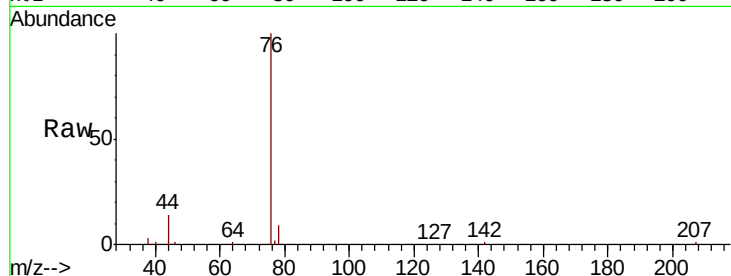
VSTDIC010

Tgt Ion: 76 Resp: 70262

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9



#18

Methyl Acetate

Concen: 9.274 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW006543.D

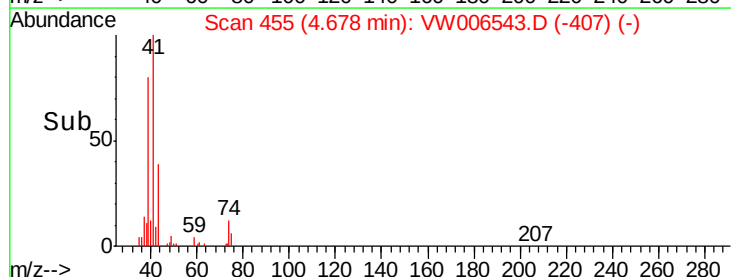
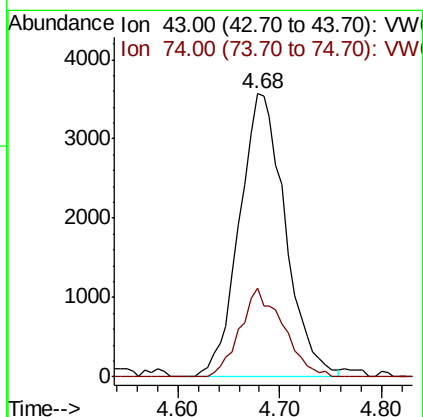
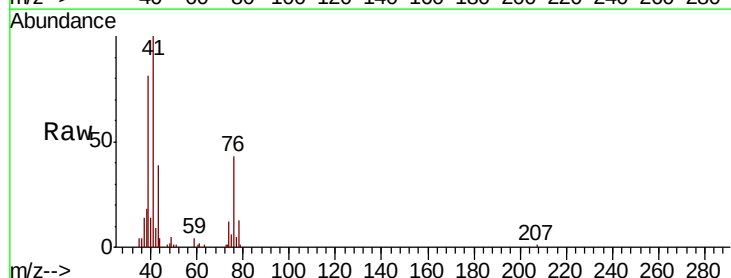
Acq: 31 Oct 2018 23:55

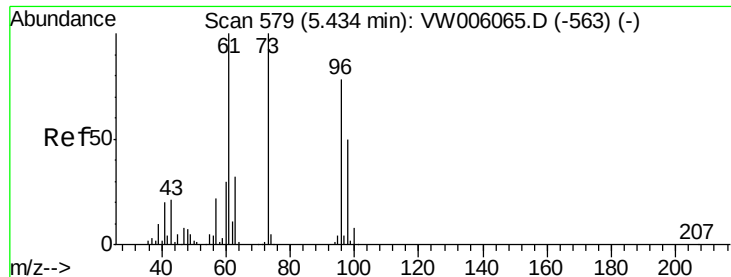
Tgt Ion: 43 Resp: 11156

Ion Ratio Lower Upper

43 100

74 29.3 21.9 32.9

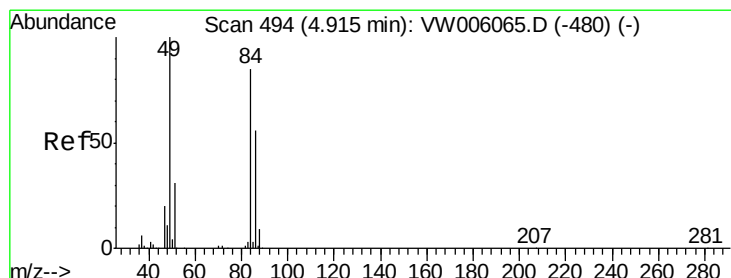
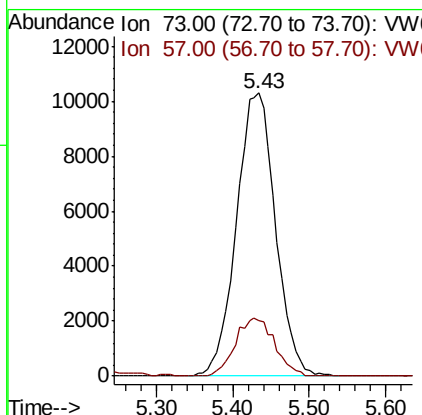
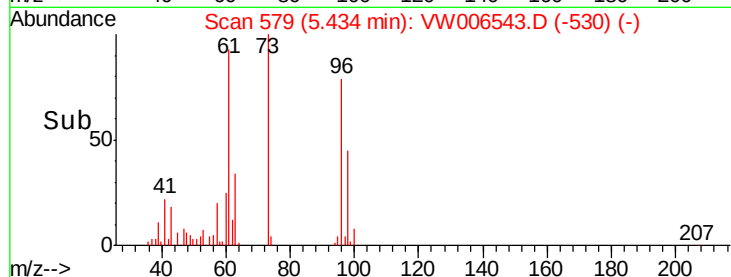
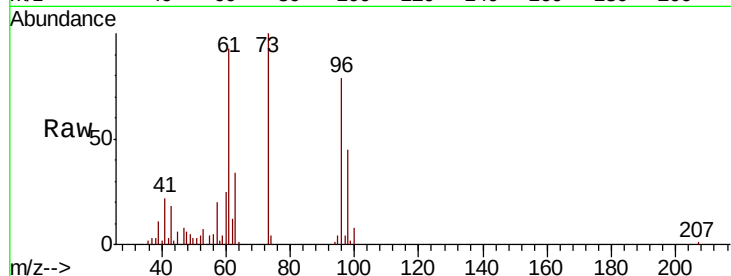




#19
Methyl tert-butyl Ether
Concen: 9.919 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

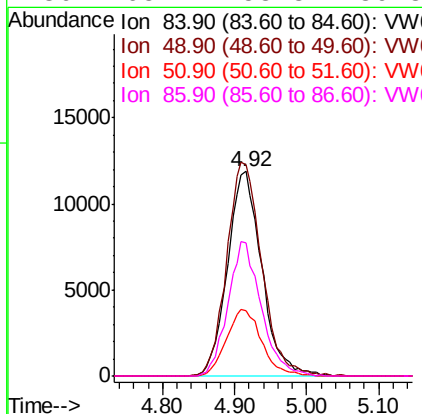
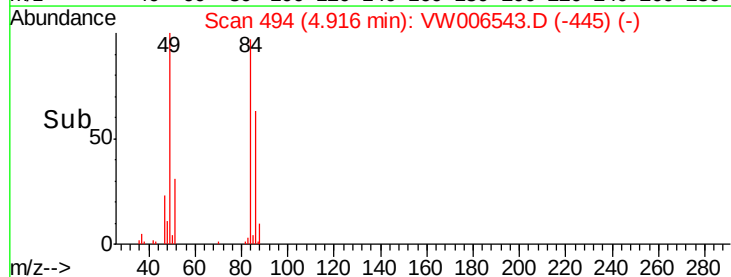
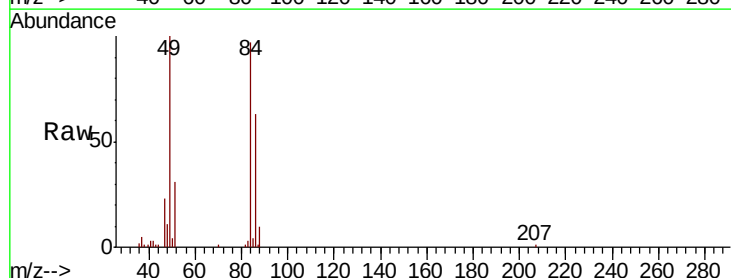
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

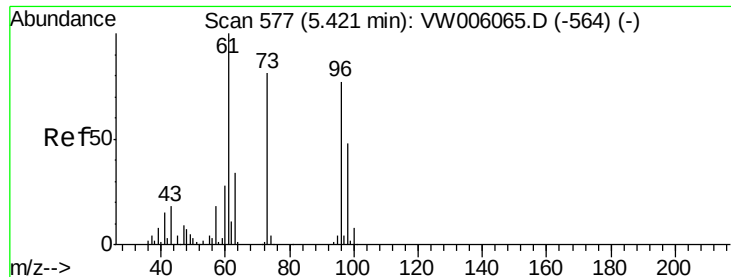
Tgt Ion: 73 Resp: 36509
Ion Ratio Lower Upper
73 100
57 19.8 16.7 25.1



#20
Methylene Chloride
Concen: 13.773 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Tgt Ion: 84 Resp: 39328
Ion Ratio Lower Upper
84 100
49 103.3 88.2 132.4
51 31.8 27.0 40.6
86 65.2 53.8 80.8





#21

trans-1,2-Dichloroethene

Concen: 10.537 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

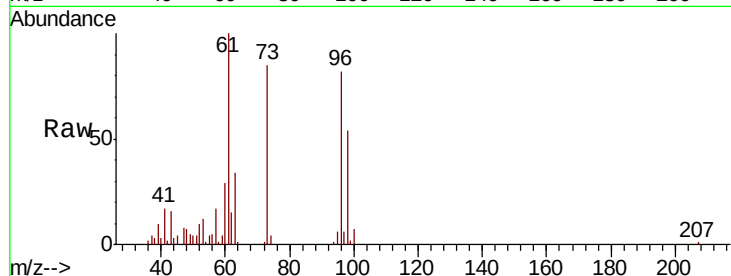
Tgt Ion: 96 Resp: 28577

Ion Ratio Lower Upper

96 100

61 121.7 100.6 150.8

98 65.8 52.9 79.3

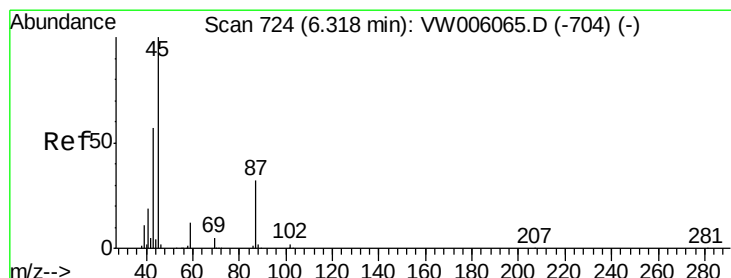
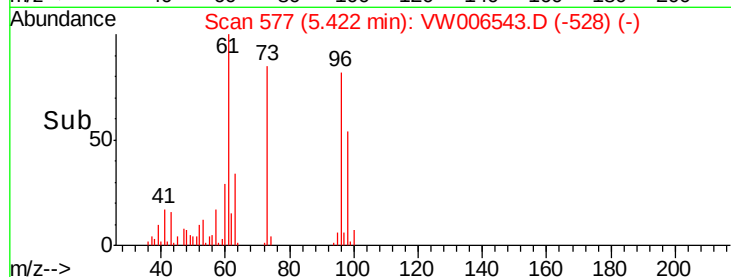
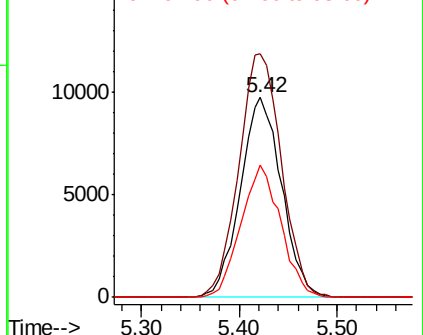


Abundance

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: 9.795 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Tgt Ion: 45 Resp: 66870

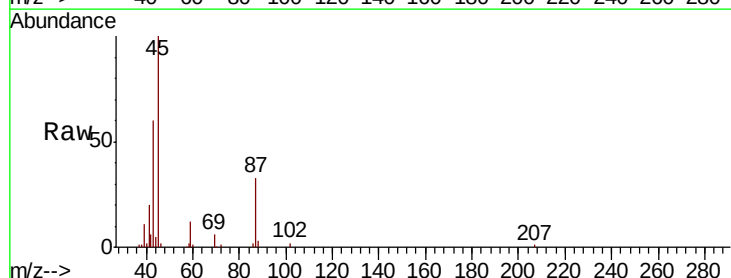
Ion Ratio Lower Upper

45 100

43 58.8 43.6 65.4

87 32.7 26.3 39.5

59 11.6 9.8 14.8



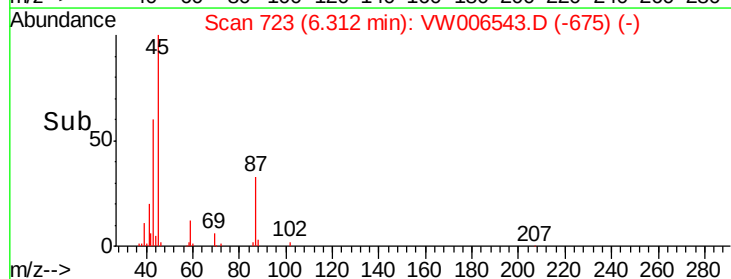
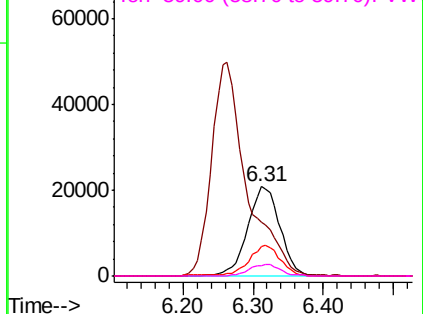
Abundance

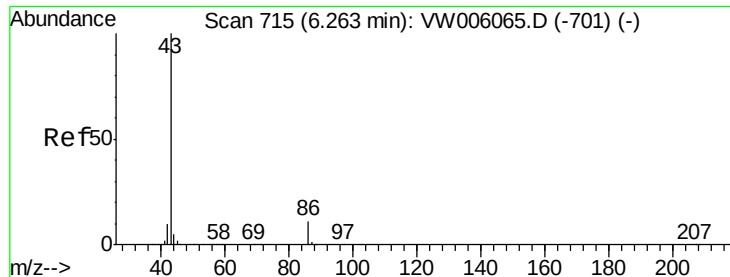
Ion 45.00 (44.70 to 45.70): VW

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: 43.503 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

ClientSampled :

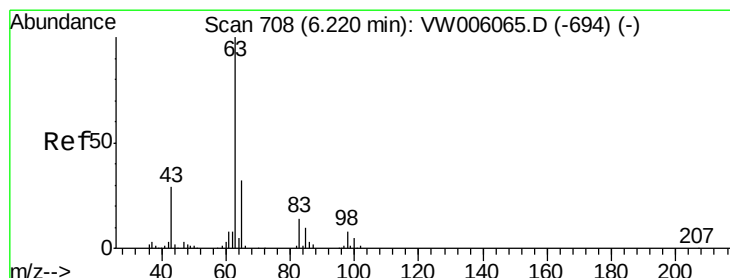
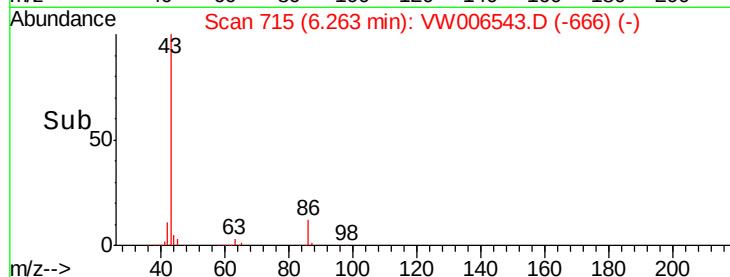
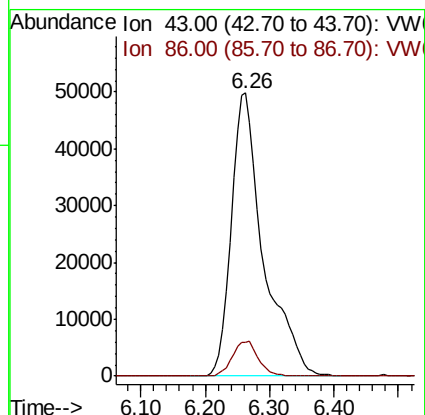
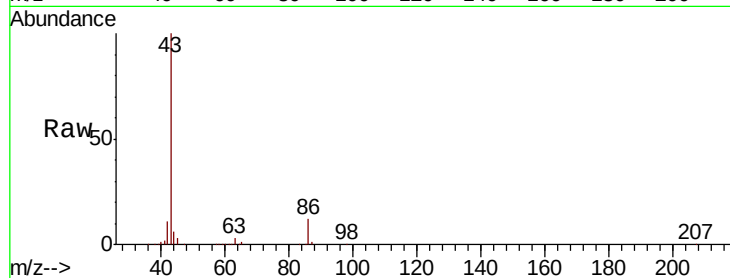
VSTDIC010

Tgt Ion: 43 Resp: 174144

Ion Ratio Lower Upper

43 100

86 11.9 9.8 14.8



#24

1,1-Dichloroethane

Concen: 10.351 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

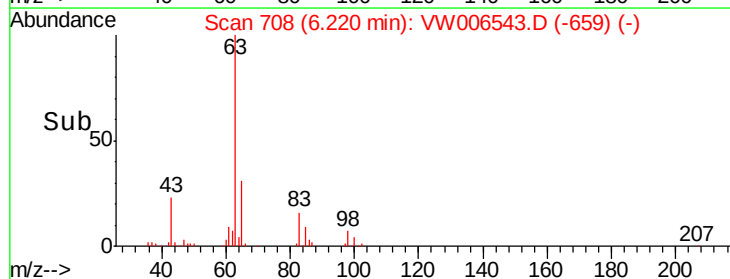
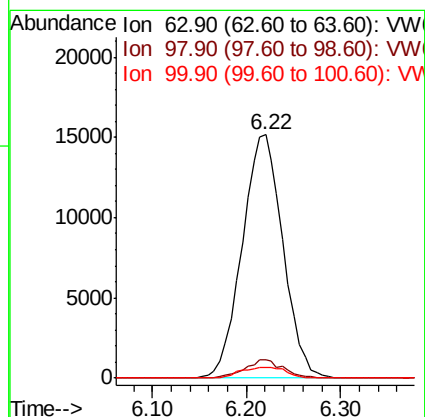
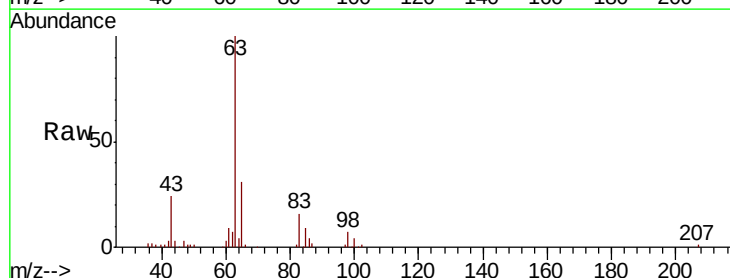
Tgt Ion: 63 Resp: 45802

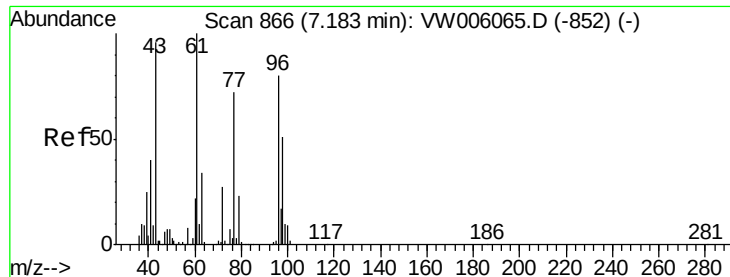
Ion Ratio Lower Upper

63 100

98 7.3 3.8 11.4

100 4.4 2.4 7.2





#25

2-Butanone

Concen: 44.387 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.01 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

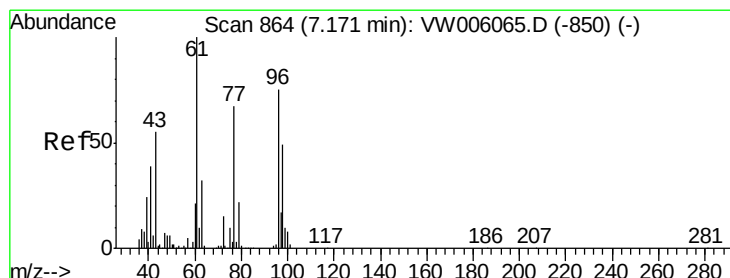
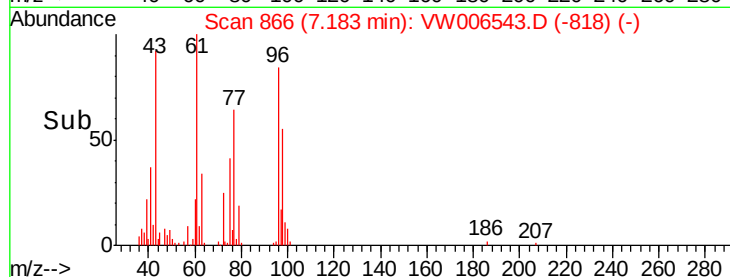
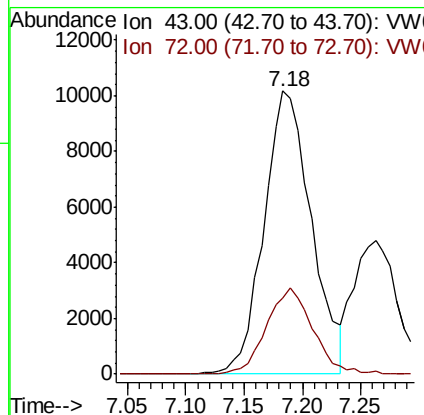
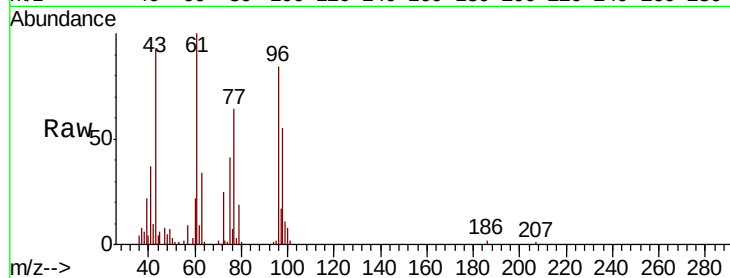
VSTDIC010

Tgt Ion: 43 Resp: 28637

Ion Ratio Lower Upper

43 100

72 27.1 23.2 34.8



#26

2,2-Dichloropropane

Concen: 9.285 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006543.D

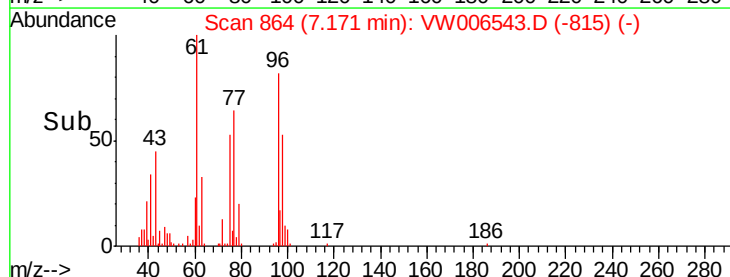
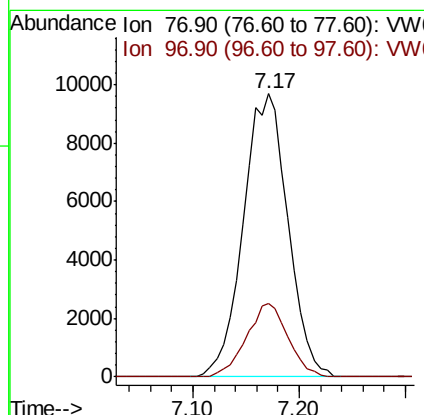
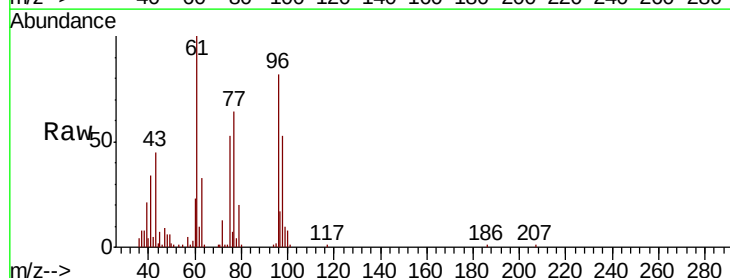
Acq: 31 Oct 2018 23:55

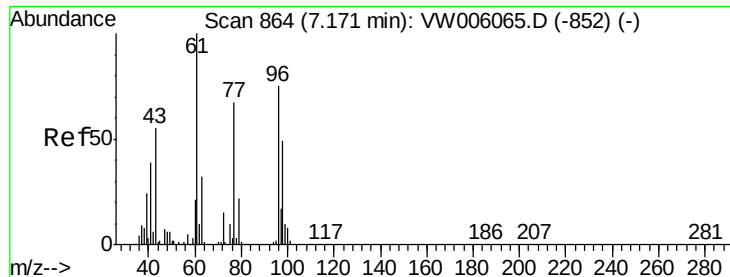
Tgt Ion: 77 Resp: 28428

Ion Ratio Lower Upper

77 100

97 24.1 12.8 38.4



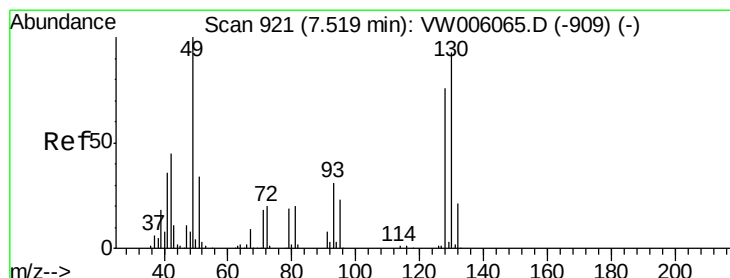
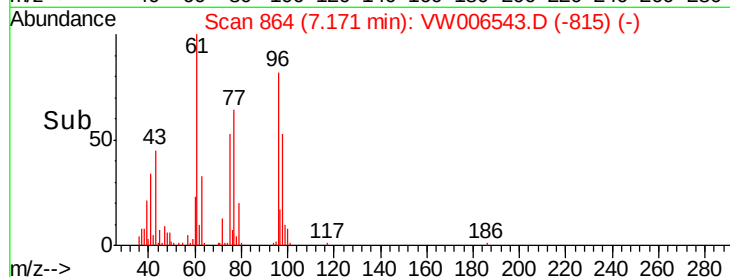
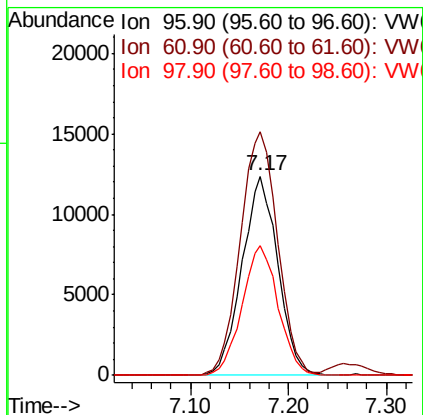
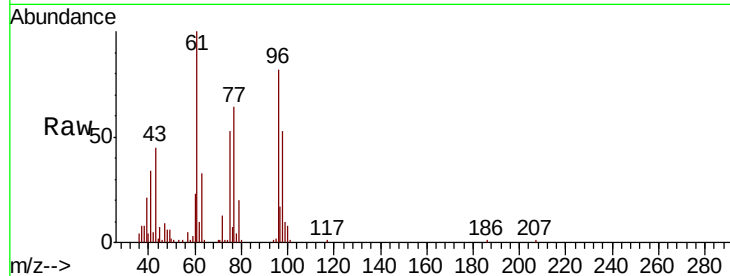


#27

cis-1,2-Dichloroethene
Concen: 10.483 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

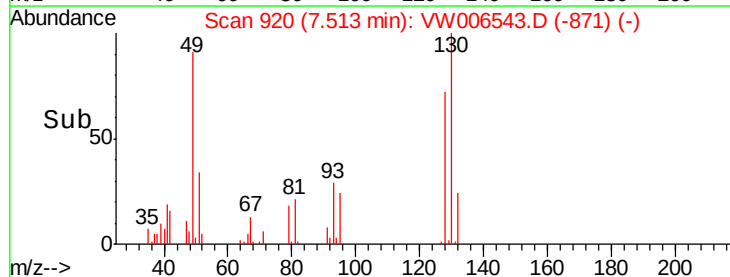
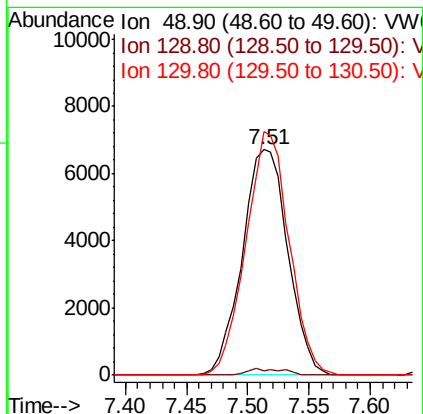
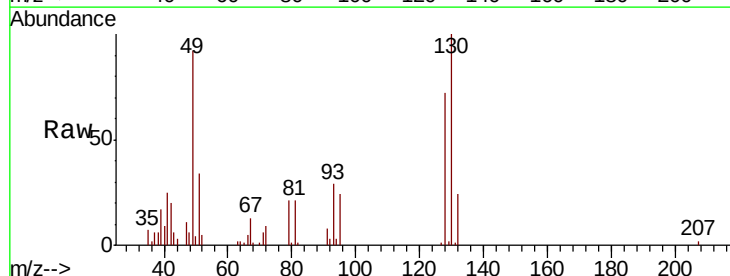
Tgt Ion: 96 Resp: 31470
Ion Ratio Lower Upper
96 100
61 127.8 0.0 254.2
98 65.2 0.0 129.6

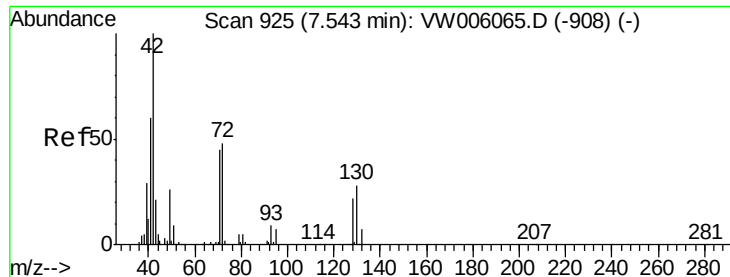


#28

Bromochloromethane
Concen: 10.220 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Tgt Ion: 49 Resp: 17416
Ion Ratio Lower Upper
49 100
129 1.1 0.0 5.6
130 102.3 82.2 123.2





#29

Tetrahydrofuran

Concen: 43.729 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

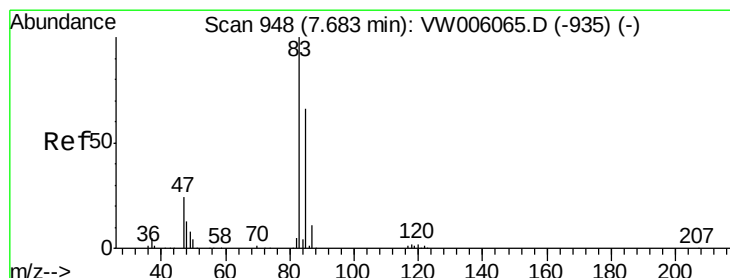
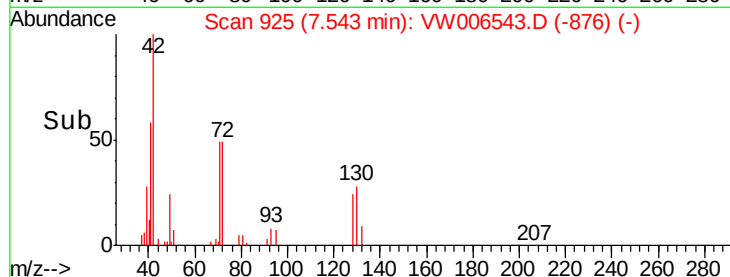
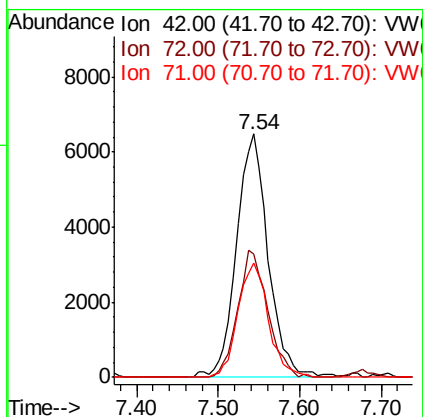
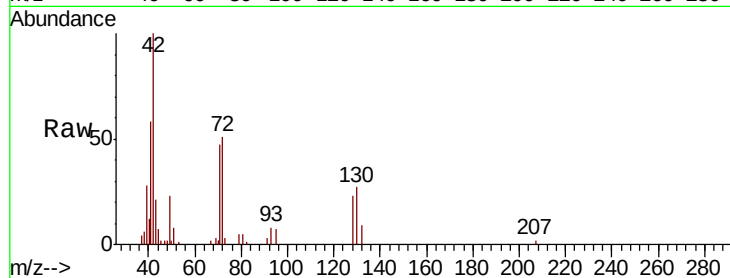
Tgt Ion: 42 Resp: 17370

Ion Ratio Lower Upper

42 100

72 49.3 39.2 58.8

71 45.1 37.6 56.4



#30

Chloroform

Concen: 10.436 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW006543.D

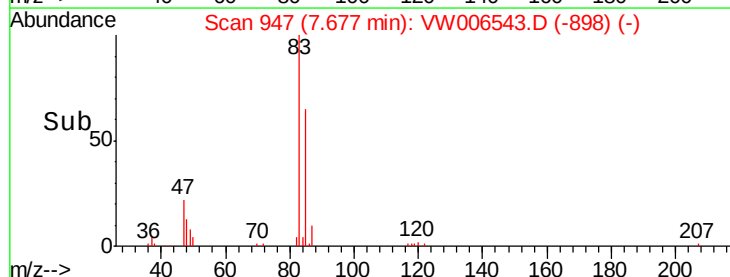
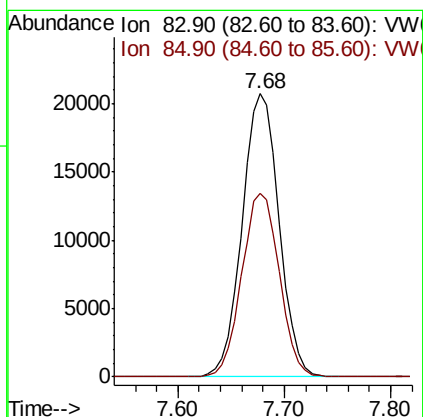
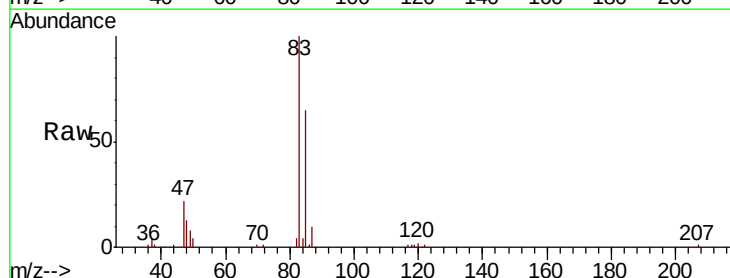
Acq: 31 Oct 2018 23:55

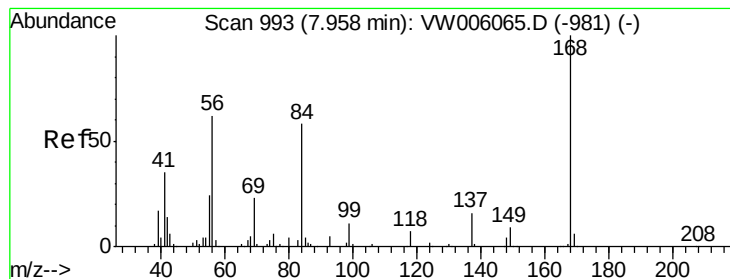
Tgt Ion: 83 Resp: 50522

Ion Ratio Lower Upper

83 100

85 64.8 51.3 76.9





#31

Cyclohexane

Concen: 10.039 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

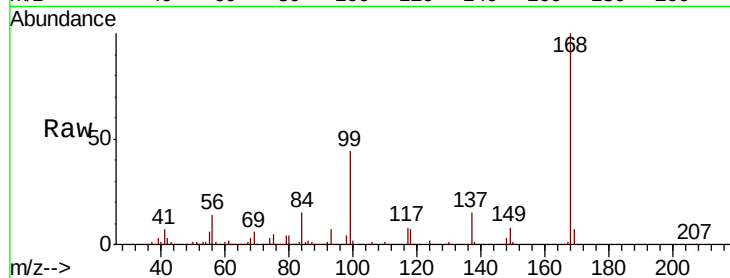
Tgt Ion: 56 Resp: 43708

Ion Ratio Lower Upper

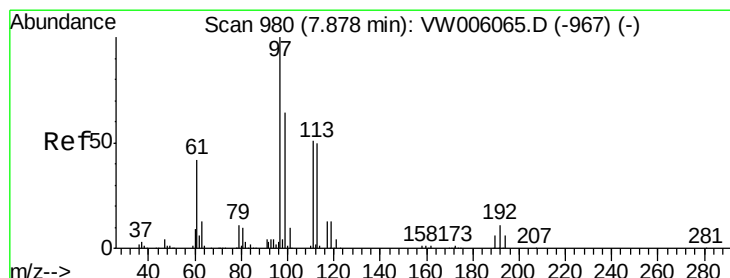
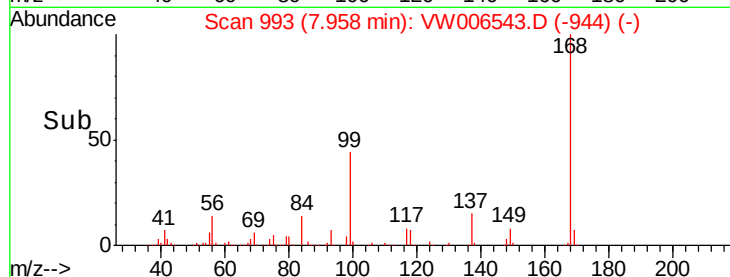
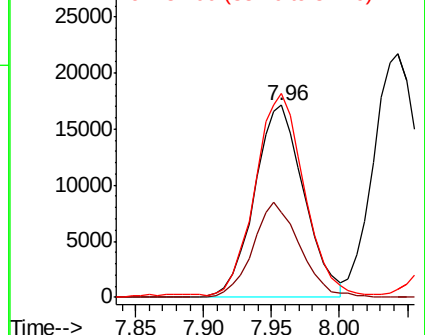
56 100

69 44.2 29.0 43.4#

84 104.8 77.8 116.6



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: 9.831 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.01 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

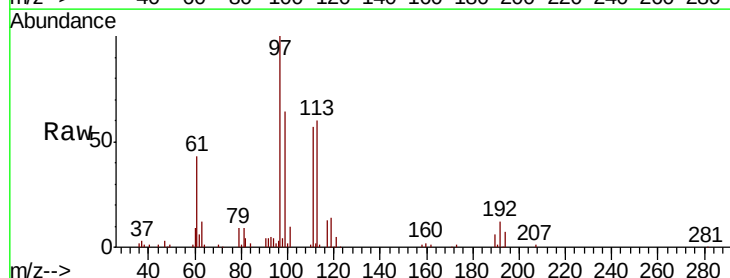
Tgt Ion: 97 Resp: 42445

Ion Ratio Lower Upper

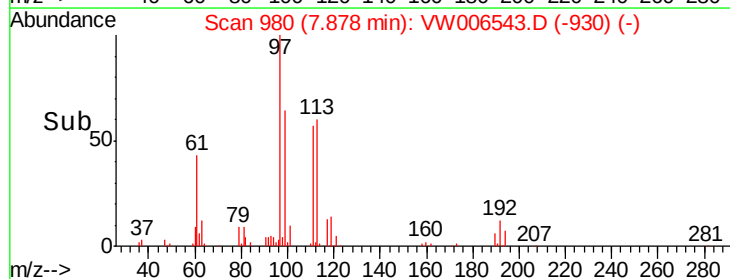
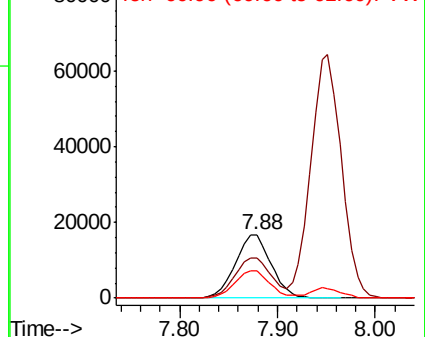
97 100

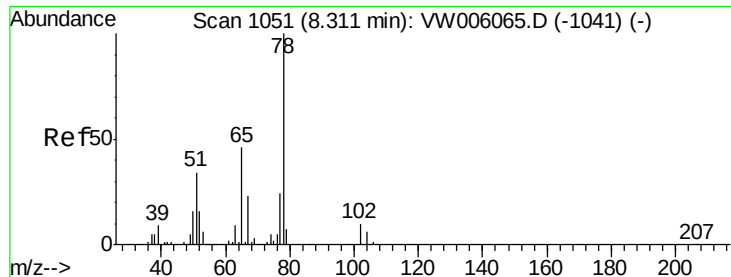
99 65.2 51.7 77.5

61 42.5 32.9 49.3



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

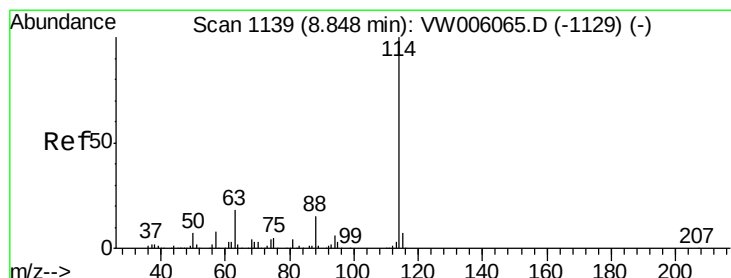
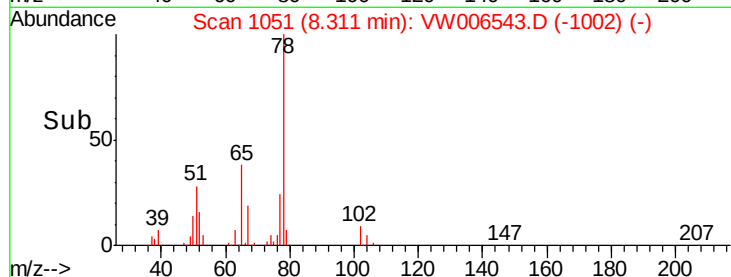
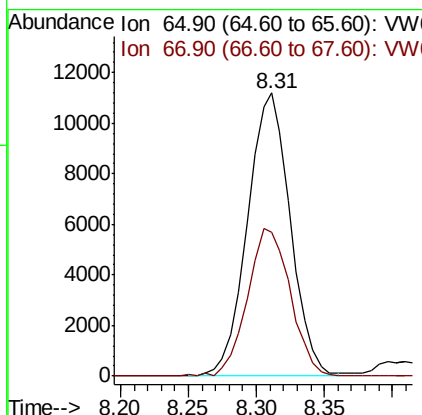
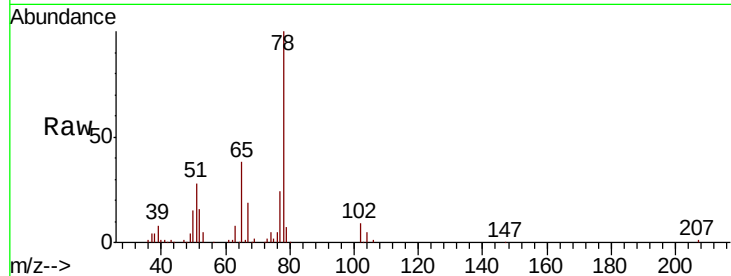




#33
 1,2-Dichloroethane-d4
 Concen: 10.088 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006543.D
 Acq: 31 Oct 2018 23:55

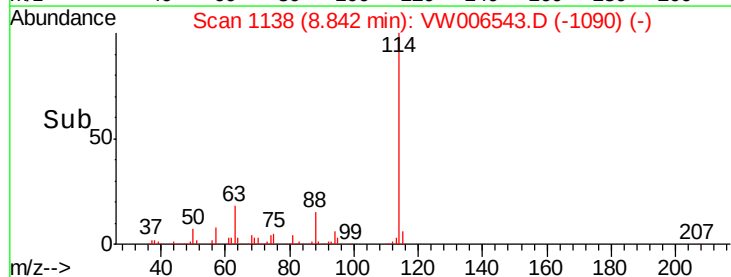
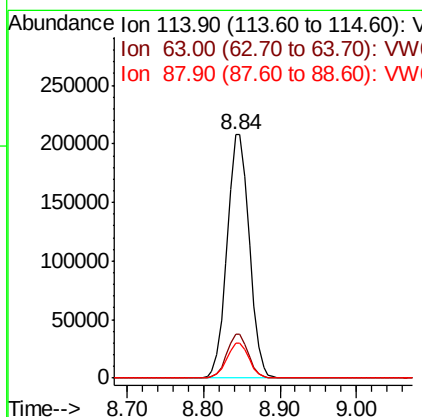
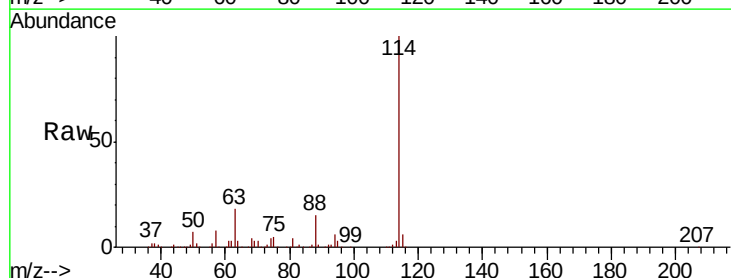
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

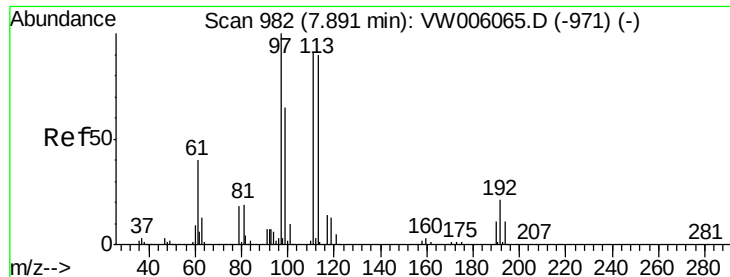
Tgt Ion: 65 Resp: 24599
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW006543.D
 Acq: 31 Oct 2018 23:55

Tgt Ion: 114 Resp: 416896
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 34.4
 88 14.6 0.0 29.0





#35

Dibromofluoromethane

Concen: 10.831 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

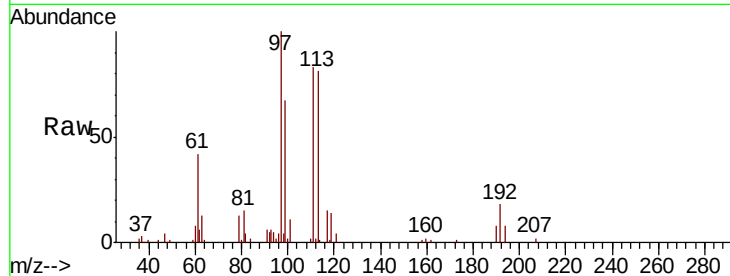
Tgt Ion:113 Resp: 26999

Ion Ratio Lower Upper

113 100

111 101.0 82.2 123.2

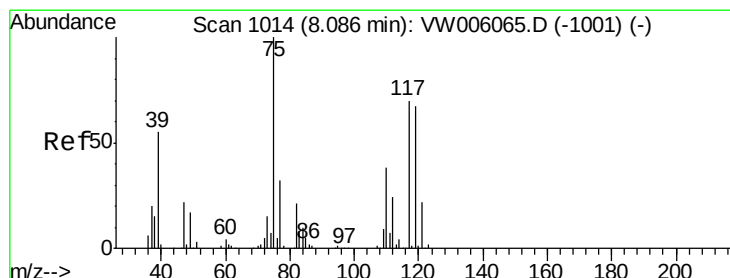
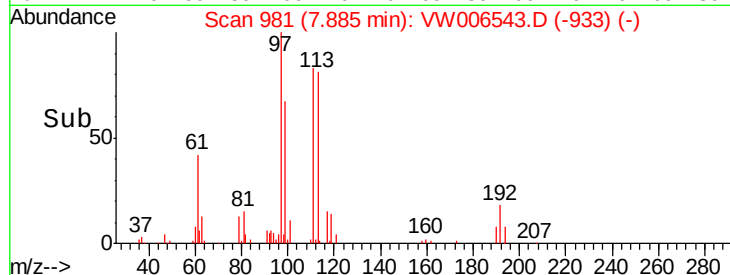
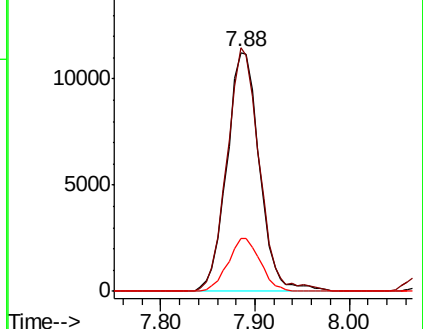
192 21.9 19.0 28.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 10.267 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

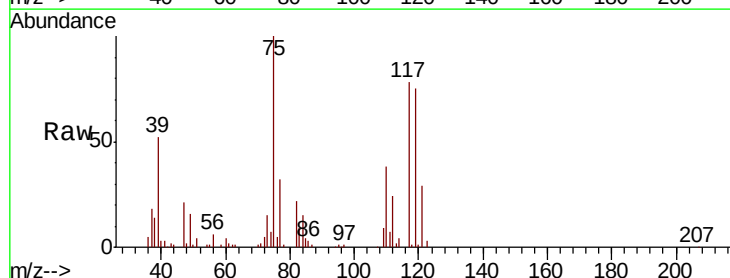
Tgt Ion: 75 Resp: 39166

Ion Ratio Lower Upper

75 100

110 38.5 19.5 58.5

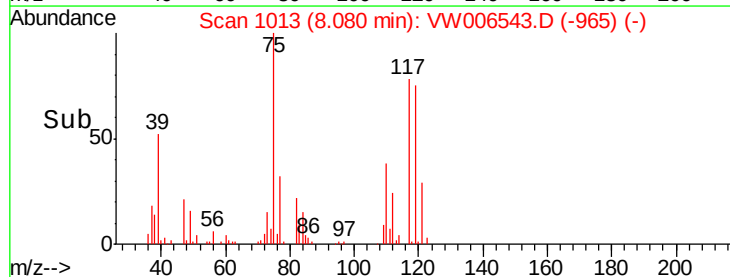
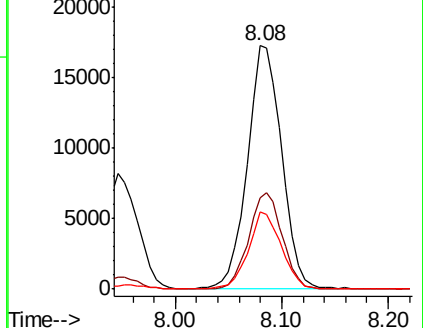
77 30.5 24.6 37.0

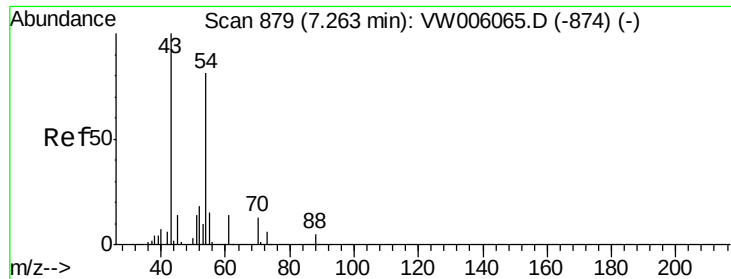


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

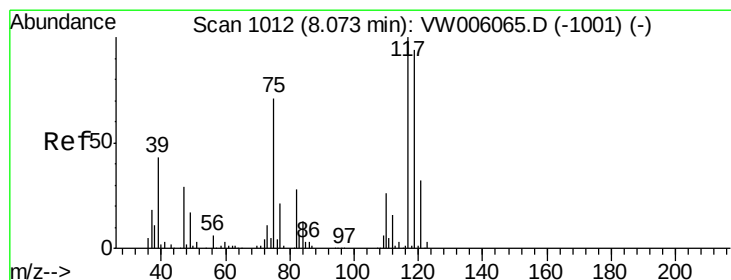
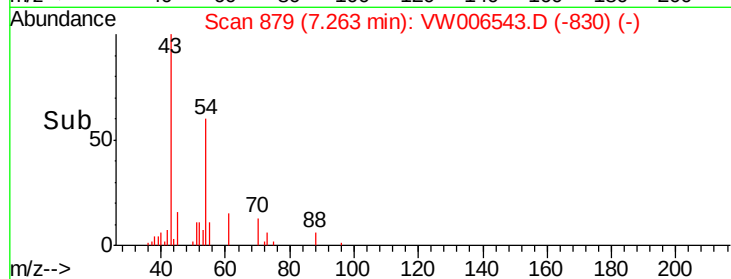
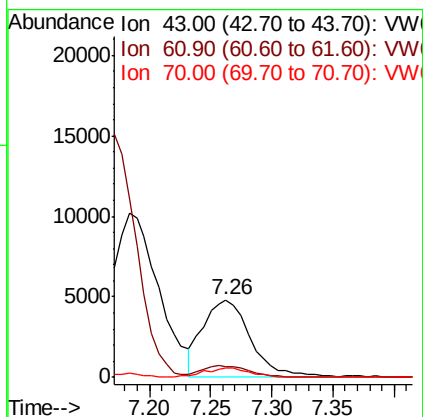
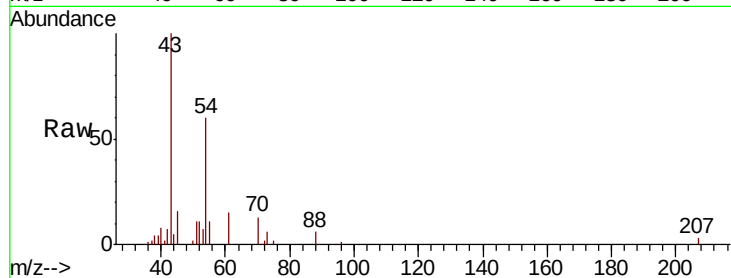




#37
 Ethyl Acetate
 Concen: 9.035 ug/l
 RT: 7.26 min Scan# 879
 Delta R.T. 0.00 min
 Lab File: VW006543.D
 Acq: 31 Oct 2018 23:55

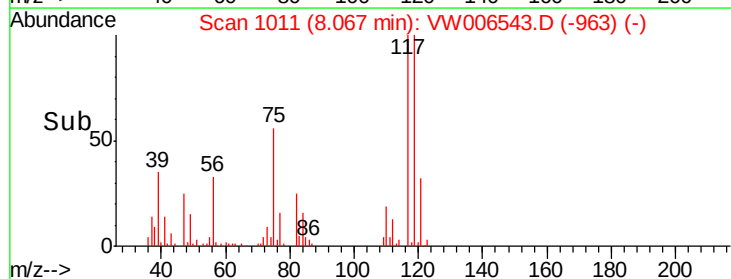
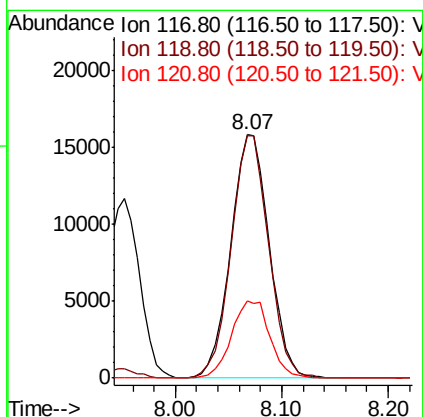
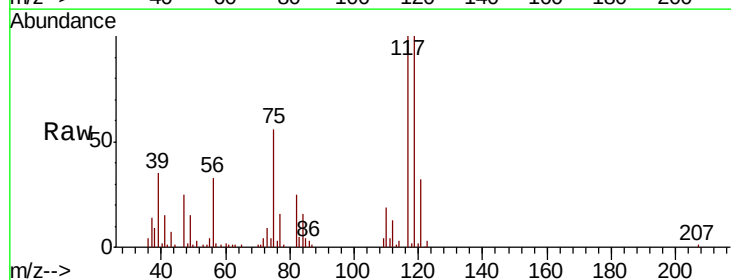
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

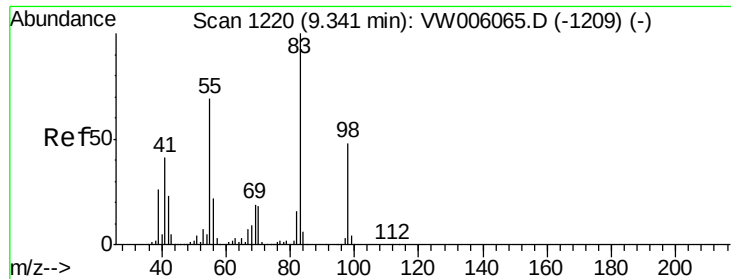
Tgt Ion: 43 Resp: 12743
 Ion Ratio Lower Upper
 43 100
 61 14.9 12.1 18.1
 70 12.2 9.8 14.6



#38
 Carbon Tetrachloride
 Concen: 9.663 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.01 min
 Lab File: VW006543.D
 Acq: 31 Oct 2018 23:55

Tgt Ion: 117 Resp: 40129
 Ion Ratio Lower Upper
 117 100
 119 99.7 76.3 114.5
 121 31.8 24.1 36.1

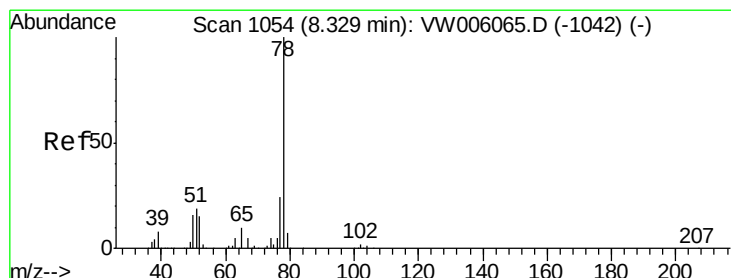
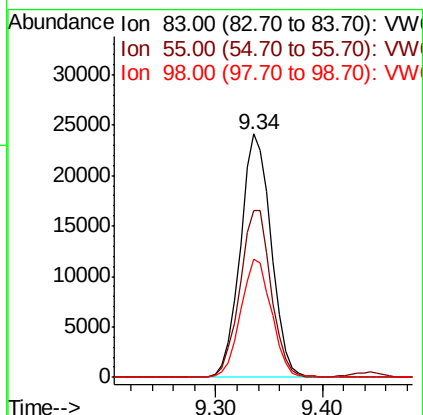
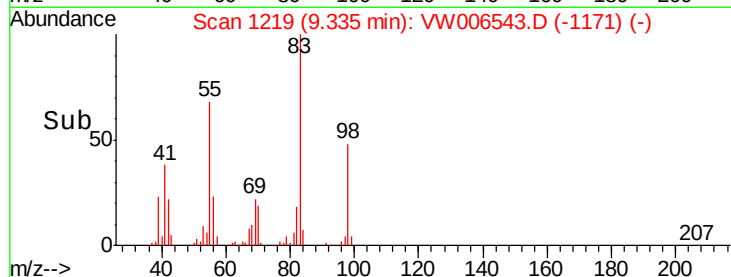
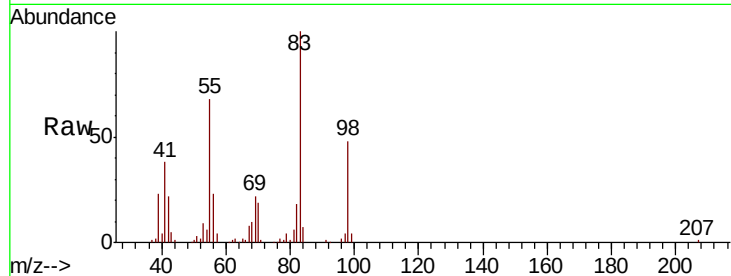




#39
Methylcyclohexane
Concen: 9.729 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

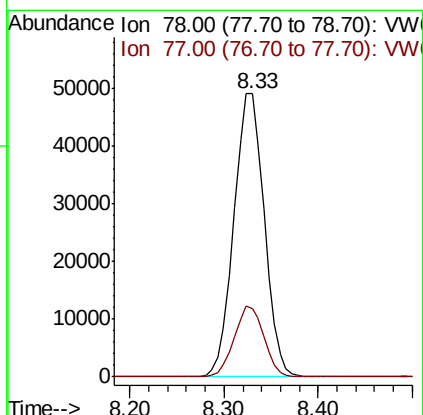
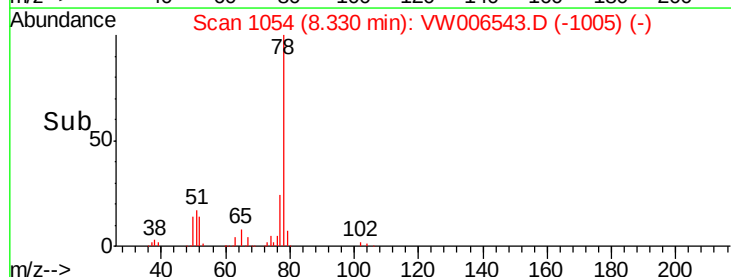
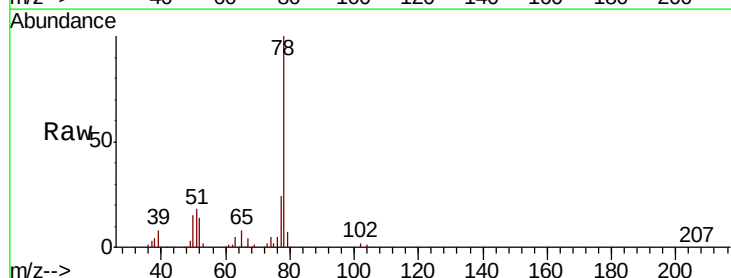
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

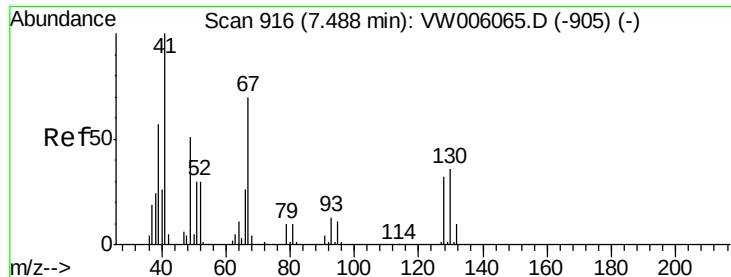
Tgt Ion: 83 Resp: 49085
Ion Ratio Lower Upper
83 100
55 68.4 53.7 80.5
98 48.3 39.2 58.8



#40
Benzene
Concen: 10.486 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Tgt Ion: 78 Resp: 110593
Ion Ratio Lower Upper
78 100
77 24.2 19.2 28.8

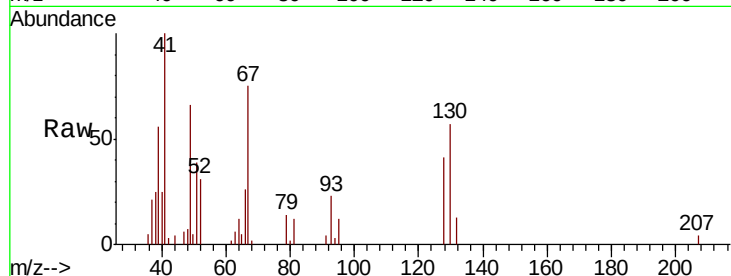




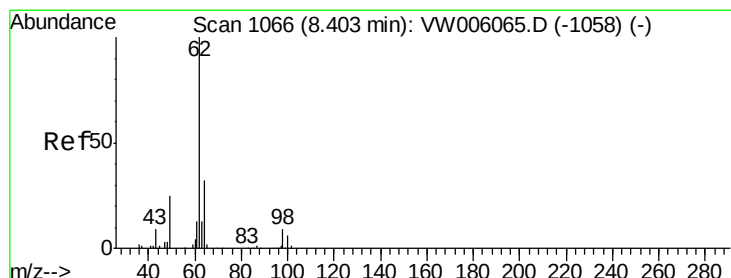
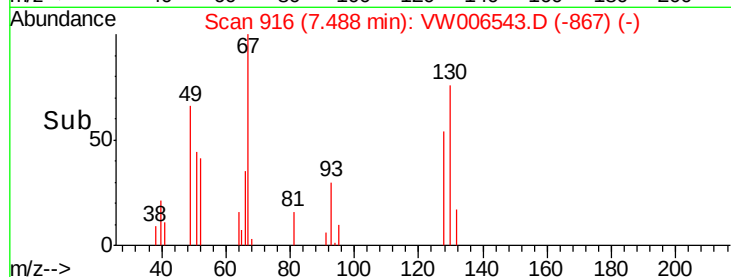
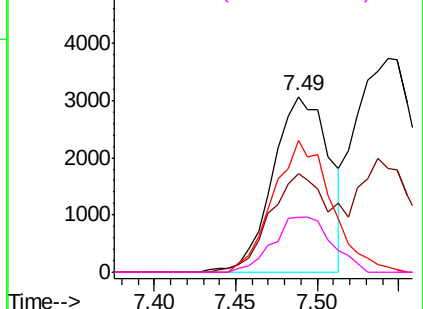
#41
Methacrylonitrile
Concen: 8.791 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tgt Ion:	41	Resp:	7420
Ion	Ratio	Lower	Upper
41	100		
39	63.2	44.5	66.7
67	77.2	63.8	95.8
52	32.5	26.3	39.5

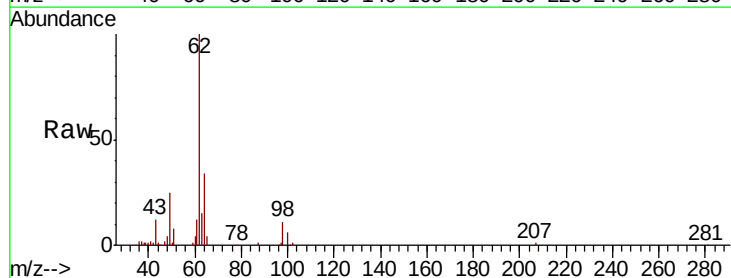


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

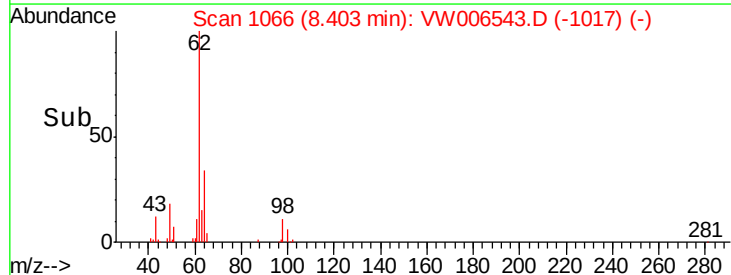
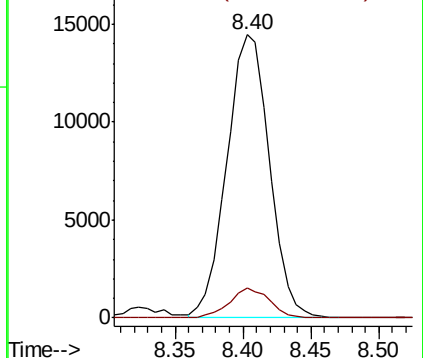


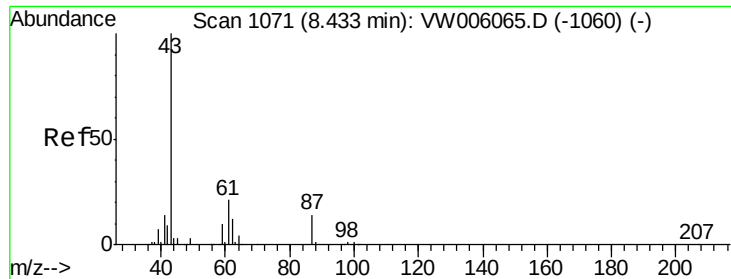
#42
1,2-Dichloroethane
Concen: 10.243 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Tgt Ion:	62	Resp:	31533
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.8



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 8.588 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

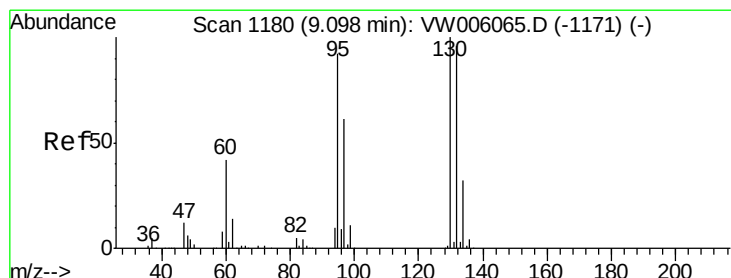
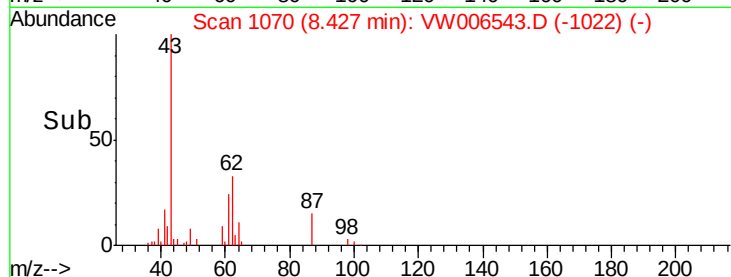
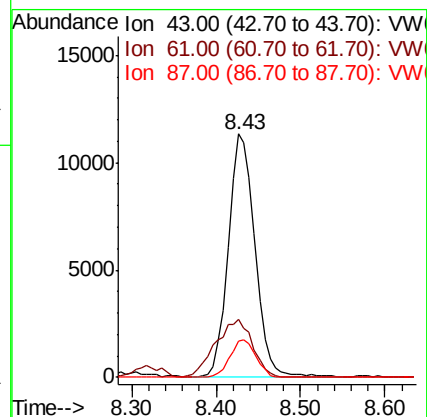
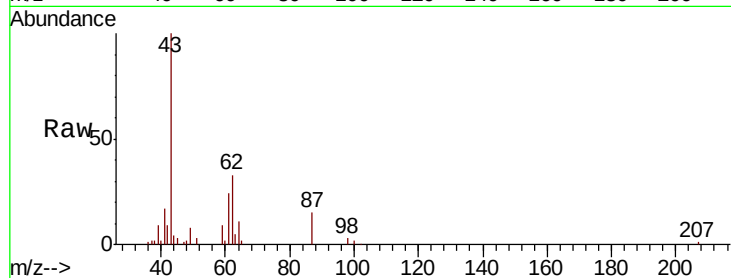
Tgt Ion: 43 Resp: 24607

Ion Ratio Lower Upper

43 100

61 32.9 27.2 40.8

87 15.0 12.9 19.3



#44

Trichloroethene

Concen: 10.730 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW006543.D

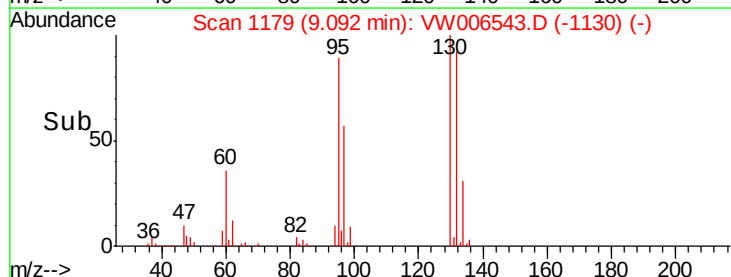
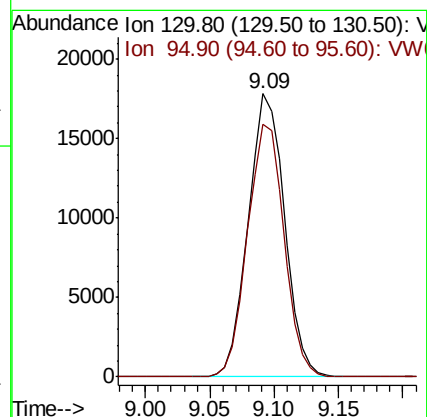
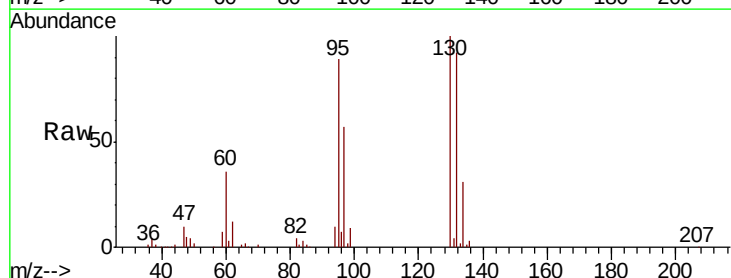
Acq: 31 Oct 2018 23:55

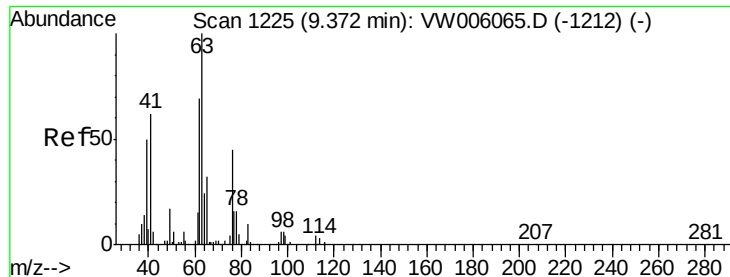
Tgt Ion: 130 Resp: 34738

Ion Ratio Lower Upper

130 100

95 89.3 0.0 179.2

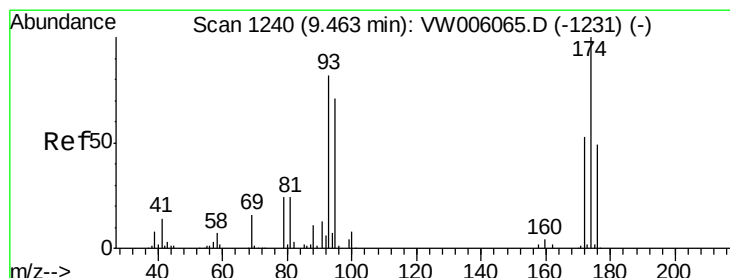
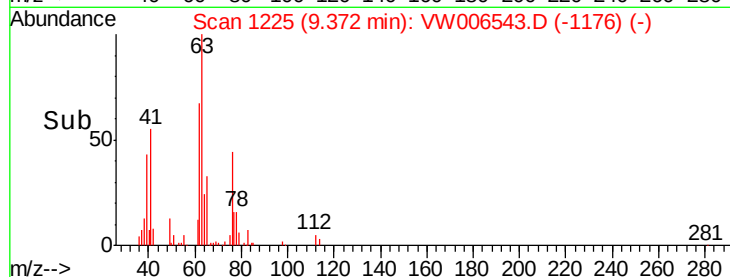
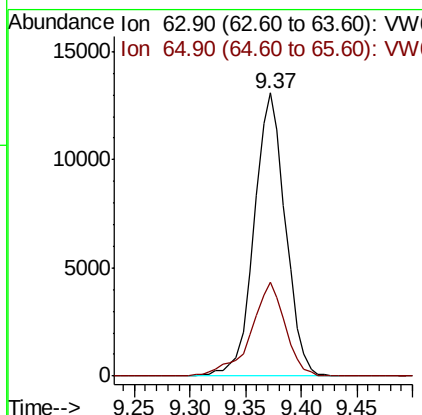
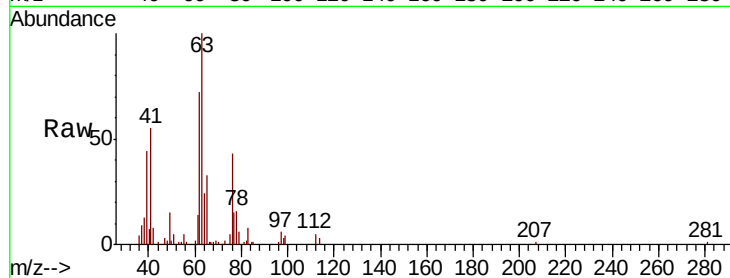




#45
 1,2-Dichloropropane
 Concen: 10.159 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006543.D
 Acq: 31 Oct 2018 23:55

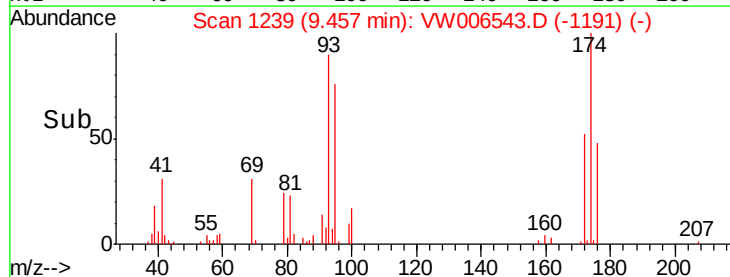
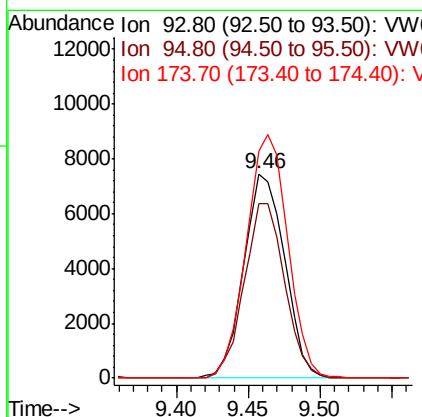
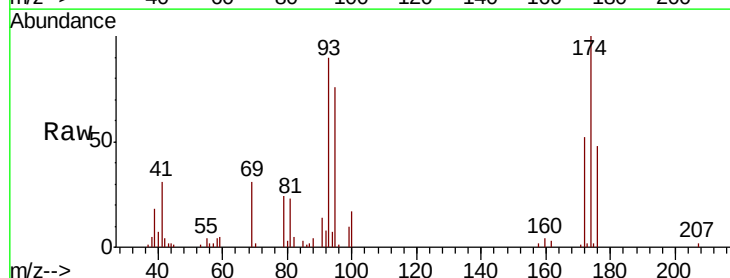
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

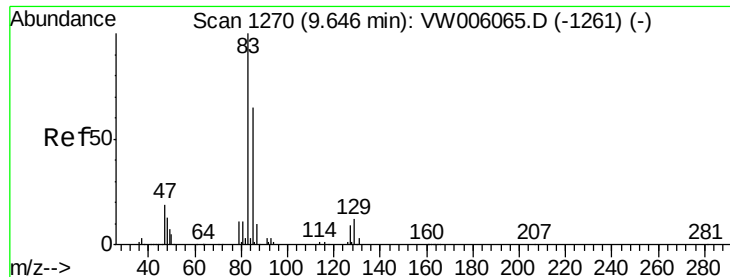
Tgt Ion: 63 Resp: 25538
 Ion Ratio Lower Upper
 63 100
 65 33.1 25.1 37.7



#46
 Dibromomethane
 Concen: 10.188 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW006543.D
 Acq: 31 Oct 2018 23:55

Tgt Ion: 93 Resp: 14638
 Ion Ratio Lower Upper
 93 100
 95 84.4 67.2 100.8
 174 120.9 97.3 145.9





#47

Bromodichloromethane

Concen: 9.619 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

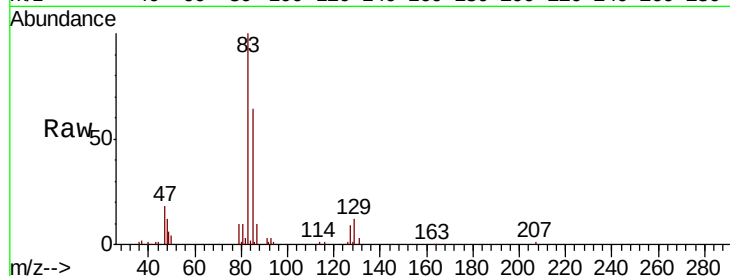
Tgt Ion: 83 Resp: 33393

Ion Ratio Lower Upper

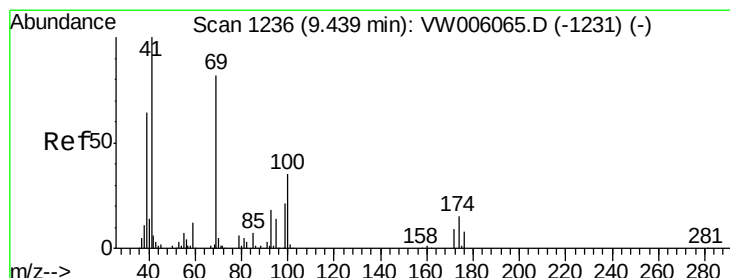
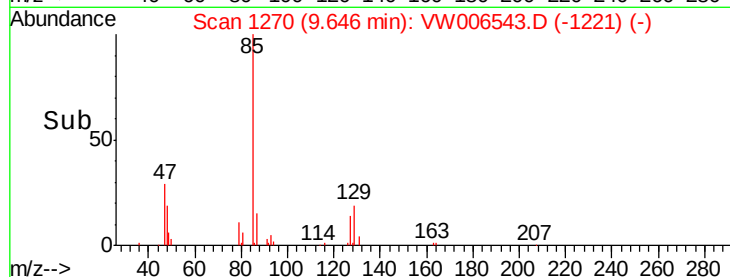
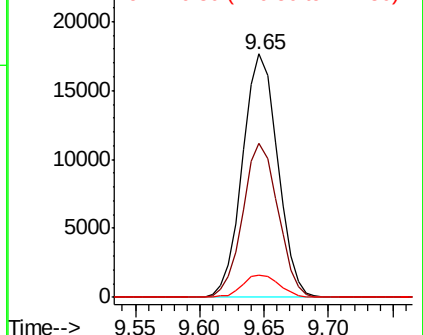
83 100

85 63.5 50.6 75.8

127 8.9 7.5 11.3



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): VW



#48

Methyl methacrylate

Concen: 8.573 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

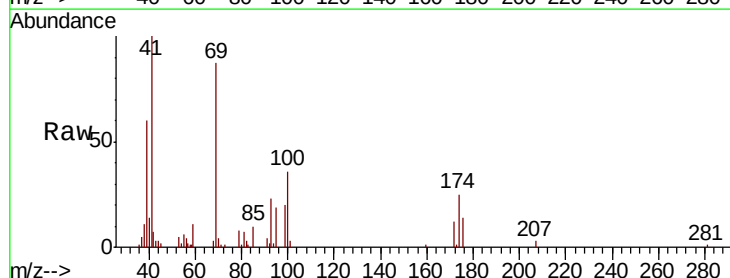
Tgt Ion: 41 Resp: 11676

Ion Ratio Lower Upper

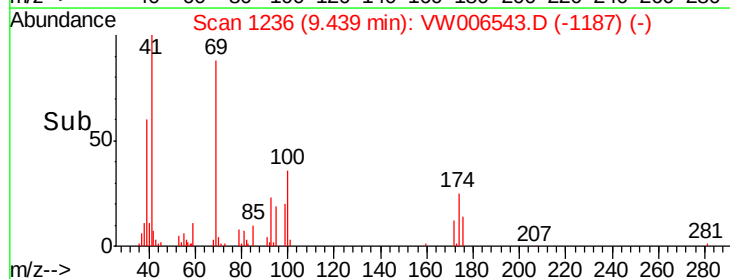
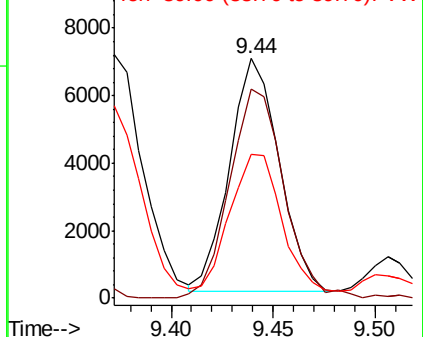
41 100

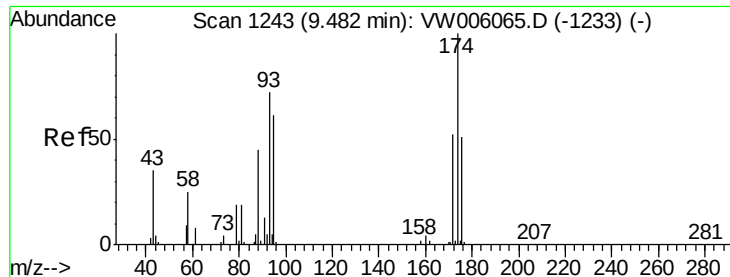
69 97.8 77.8 116.8

39 61.3 48.7 73.1



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: 185.570 ug/l

RT: 9.49 min Scan# 1244

Delta R.T. -0.01 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

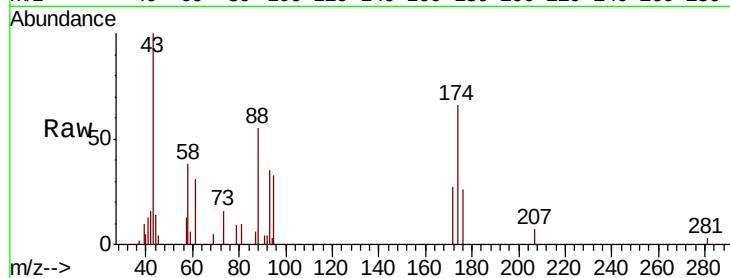
Tgt Ion: 88 Resp: 4077

Ion Ratio Lower Upper

88 100

43 433.4 356.6 534.8

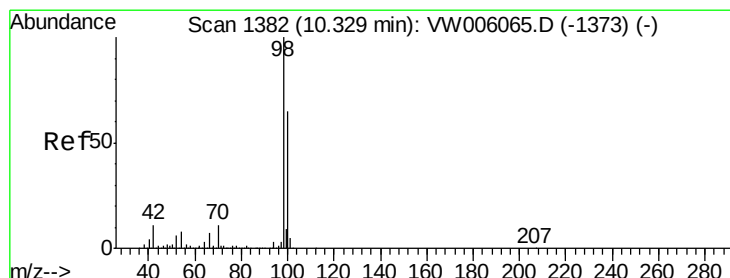
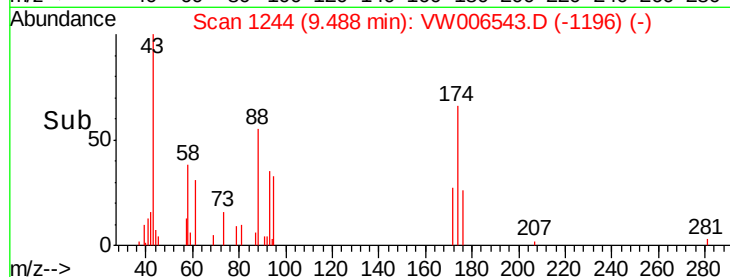
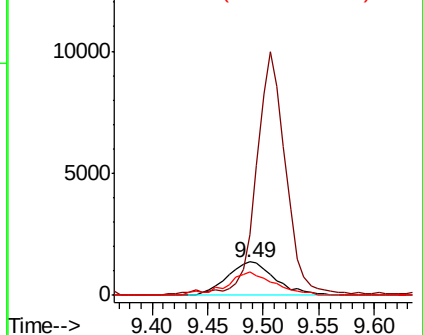
58 69.2 51.4 77.2



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 10.466 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006543.D

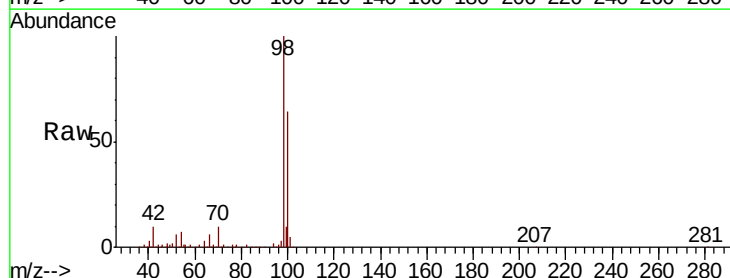
Acq: 31 Oct 2018 23:55

Tgt Ion: 98 Resp: 99529

Ion Ratio Lower Upper

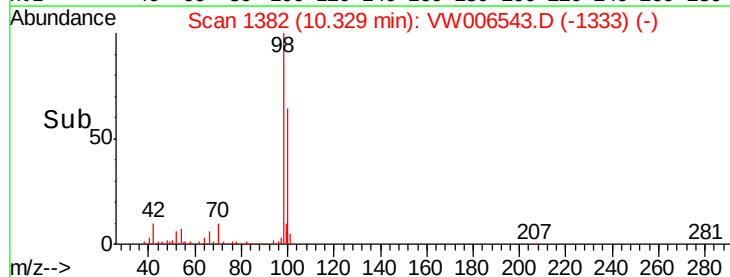
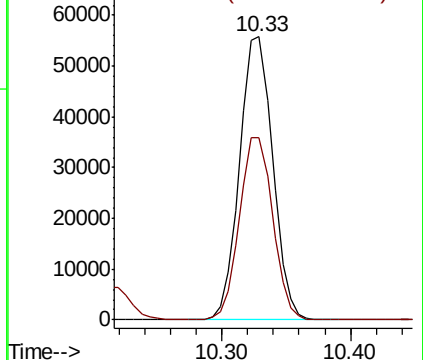
98 100

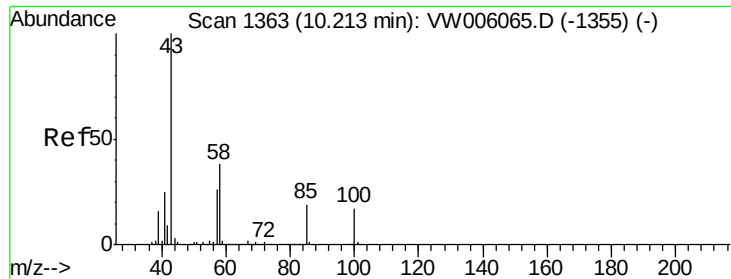
100 65.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 42.984 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

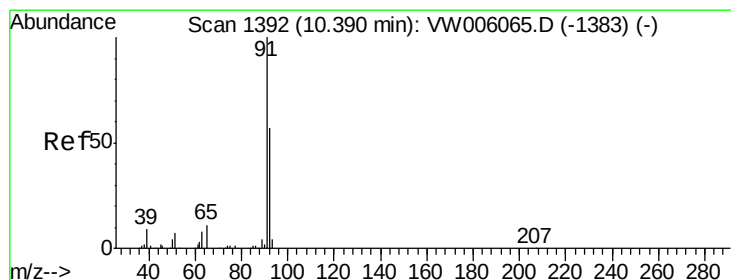
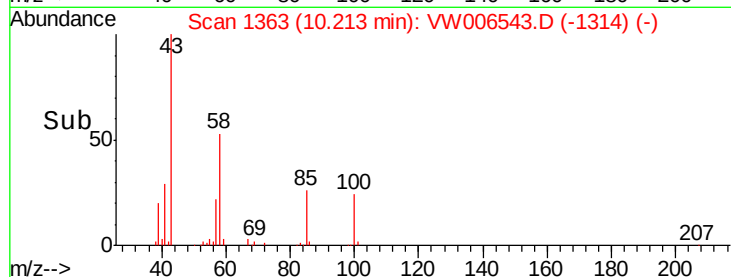
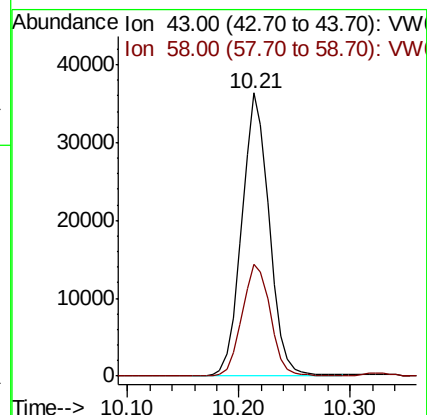
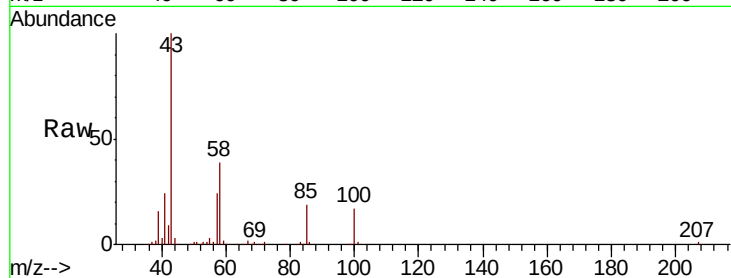
VSTDIC010

Tgt Ion: 43 Resp: 62008

Ion Ratio Lower Upper

43 100

58 40.8 33.4 50.0



#52

Toluene

Concen: 10.330 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006543.D

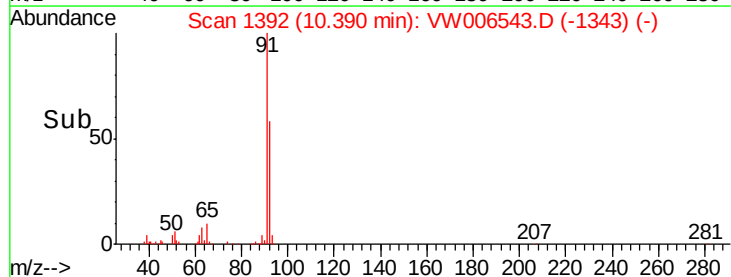
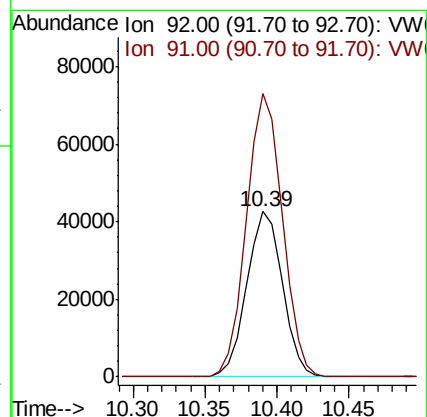
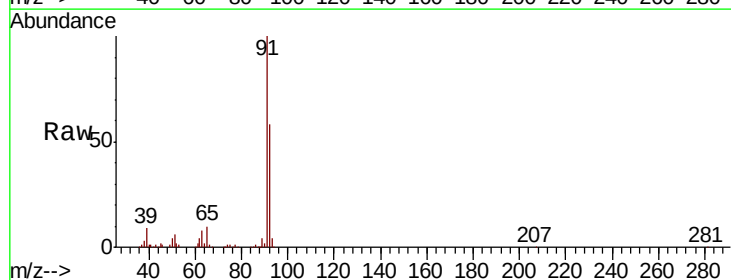
Acq: 31 Oct 2018 23:55

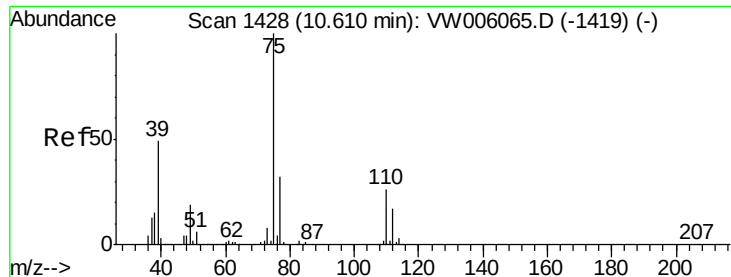
Tgt Ion: 92 Resp: 73024

Ion Ratio Lower Upper

92 100

91 172.9 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 8.893 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

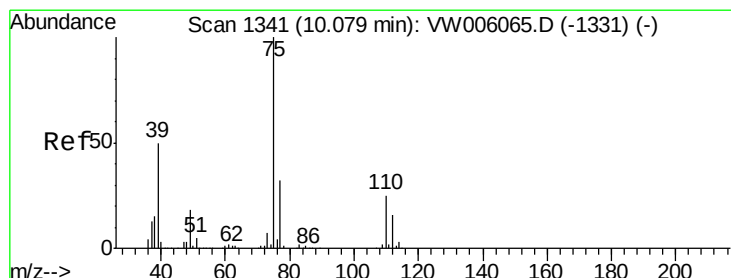
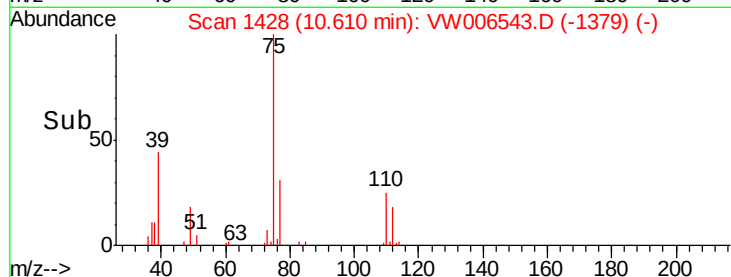
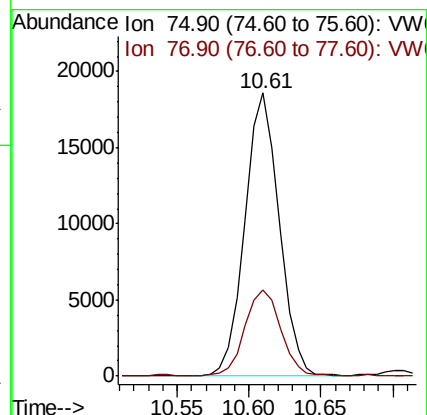
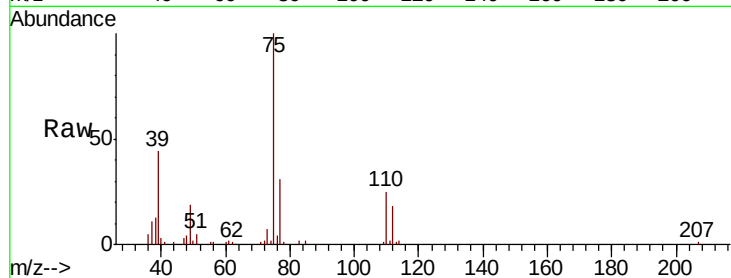
VSTDIC010

Tgt Ion: 75 Resp: 30636

Ion Ratio Lower Upper

75 100

77 30.6 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 9.380 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

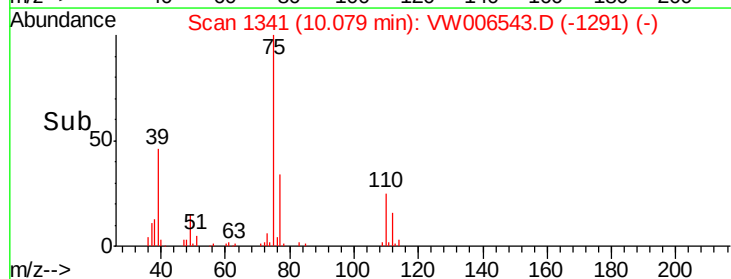
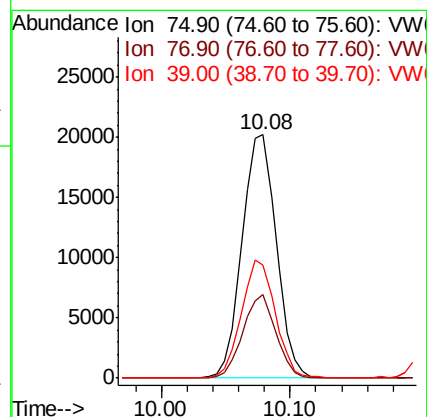
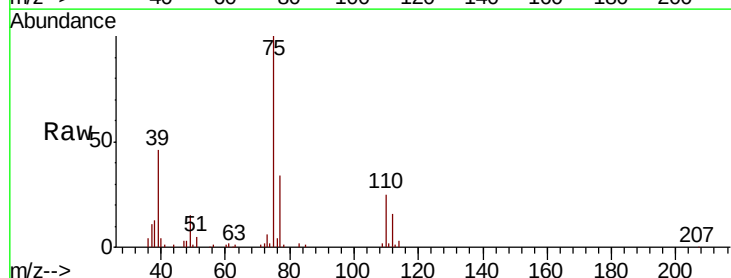
Tgt Ion: 75 Resp: 37172

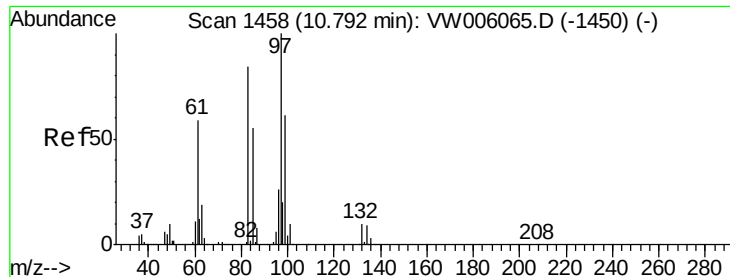
Ion Ratio Lower Upper

75 100

77 34.3 25.7 38.5

39 46.3 37.3 55.9

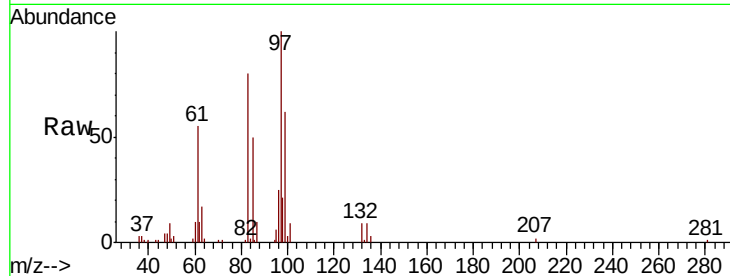




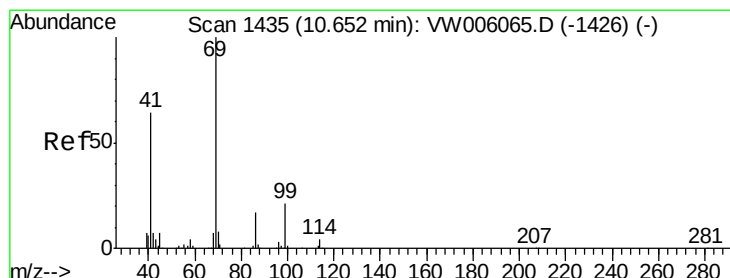
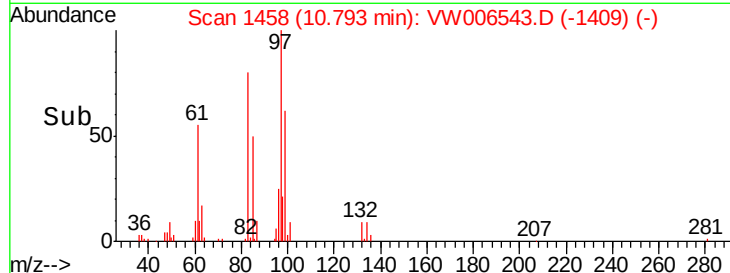
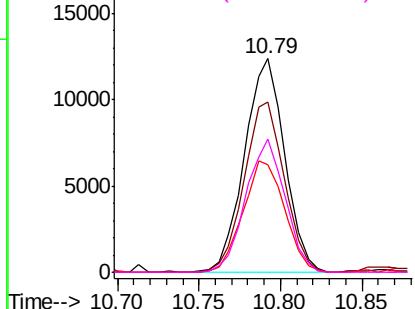
#55
 1,1,2-Trichloroethane
 Concen: 10.505 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW006543.D
 Acq: 31 Oct 2018 23:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tgt Ion:	97	Resp:	21169
Ion	Ratio	Lower	Upper
97	100		
83	79.7	67.9	101.9
85	50.1	44.0	66.0
99	62.2	52.2	78.2

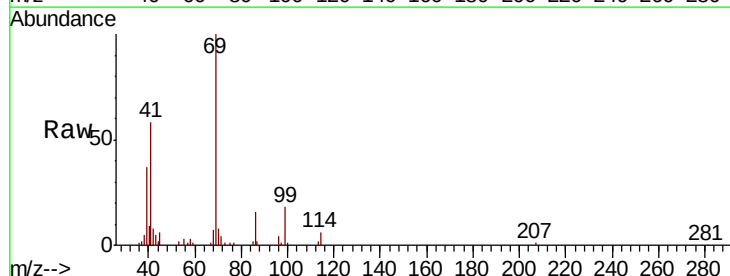


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

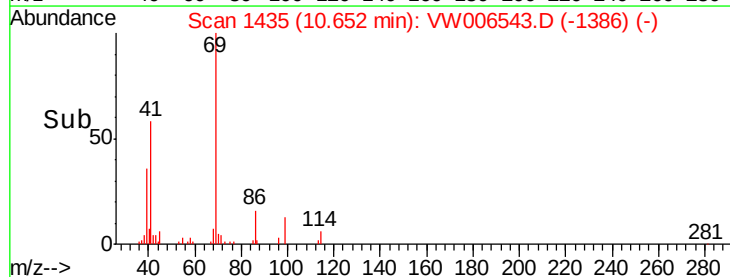
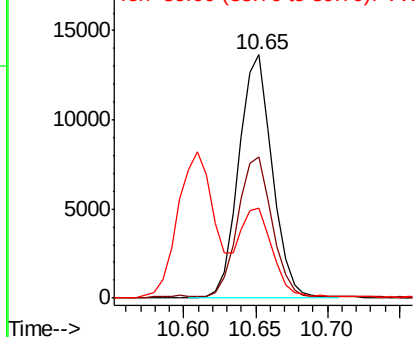


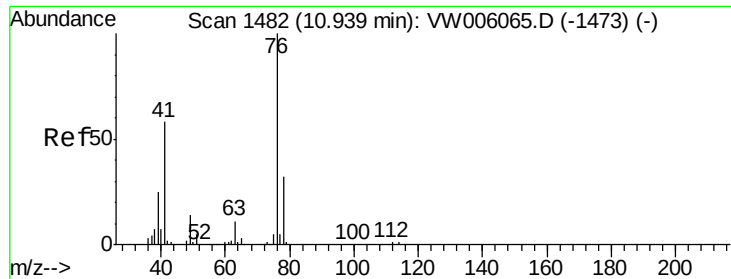
#56
 Ethyl methacrylate
 Concen: 8.982 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VW006543.D
 Acq: 31 Oct 2018 23:55

Tgt Ion:	69	Resp:	22040
Ion	Ratio	Lower	Upper
69	100		
41	61.1	47.4	71.2
39	33.1	25.3	37.9



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

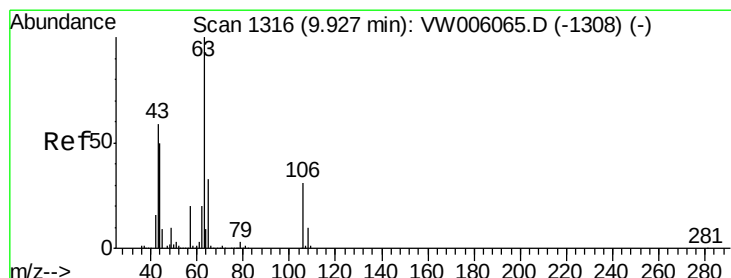
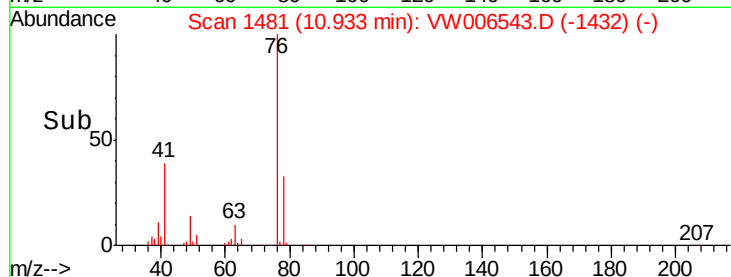
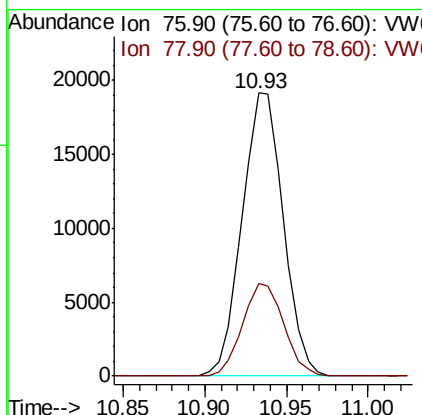
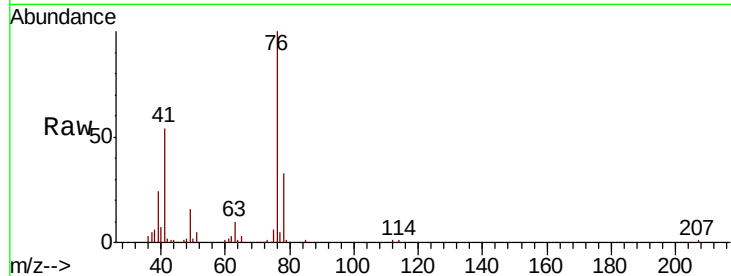




#57
 1,3-Dichloropropane
 Concen: 10.124 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW006543.D
 Acq: 31 Oct 2018 23:55

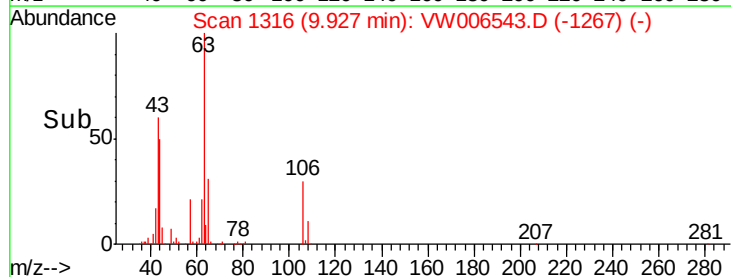
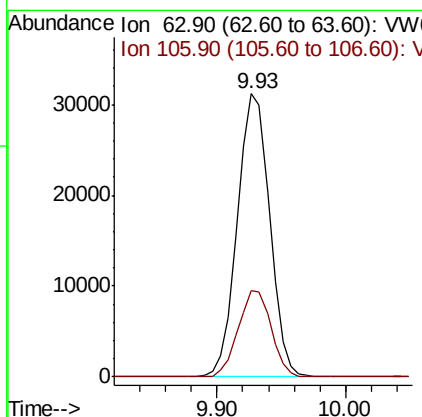
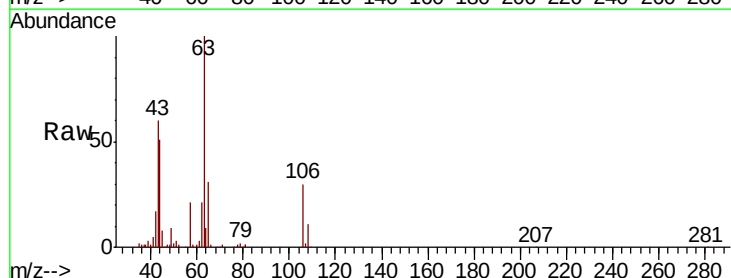
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

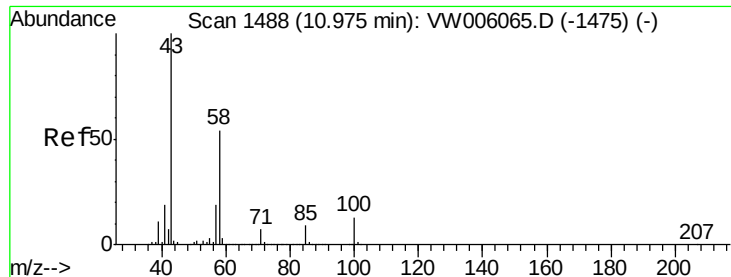
Tgt Ion: 76 Resp: 33673
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 55.575 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006543.D
 Acq: 31 Oct 2018 23:55

Tgt Ion: 63 Resp: 54181
 Ion Ratio Lower Upper
 63 100
 106 31.0 25.4 38.2

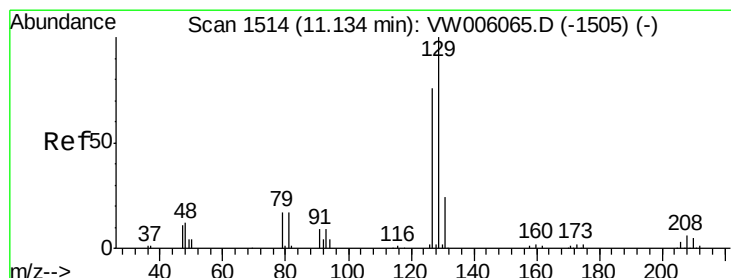
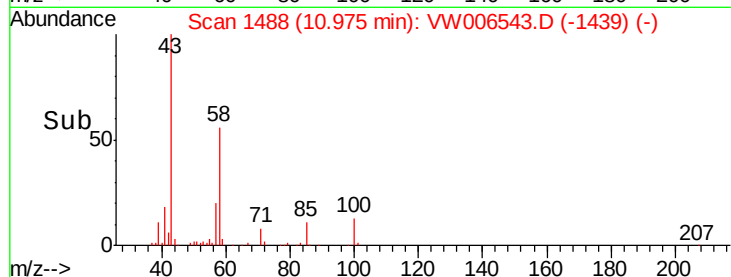
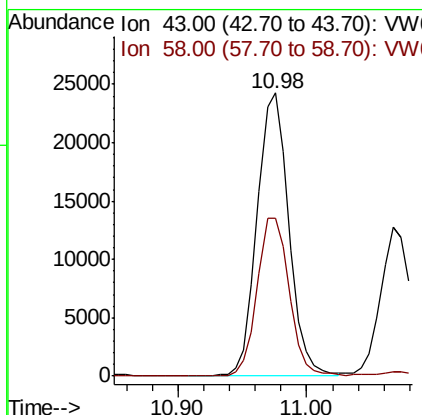
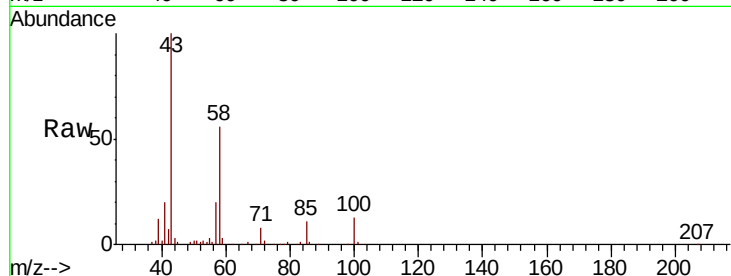




#59
2-Hexanone
Concen: 40.358 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

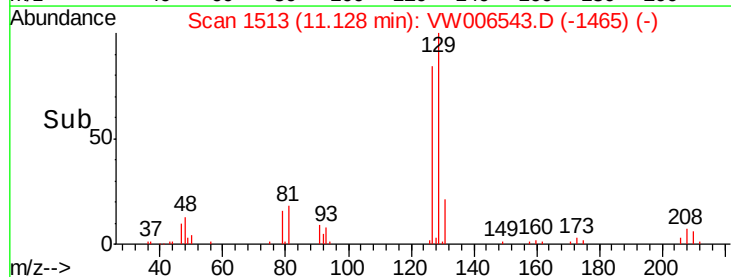
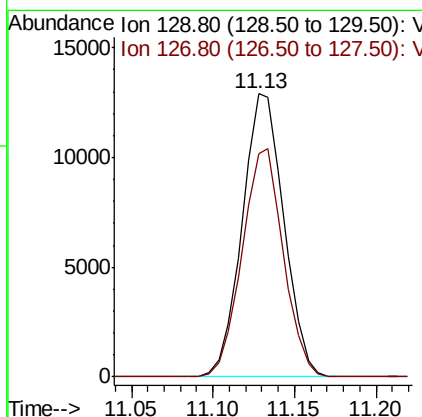
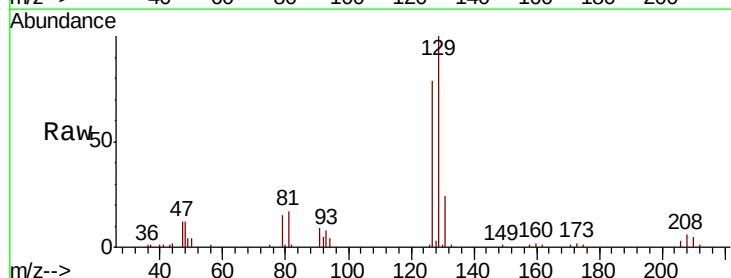
Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

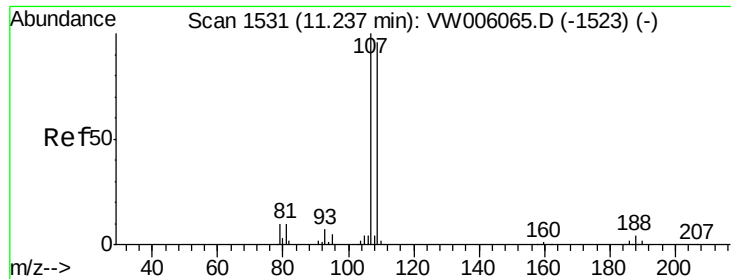
Tgt Ion: 43 Resp: 41394
Ion Ratio Lower Upper
43 100
58 56.4 28.8 86.4



#60
Dibromochloromethane
Concen: 9.192 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Tgt Ion: 129 Resp: 22967
Ion Ratio Lower Upper
129 100
127 79.3 38.8 116.3





#61

1,2-Dibromoethane

Concen: 10.011 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

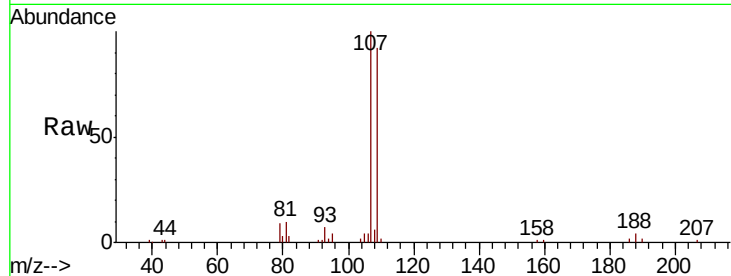
VSTDIC010

Tgt Ion: 107 Resp: 20147

Ion Ratio Lower Upper

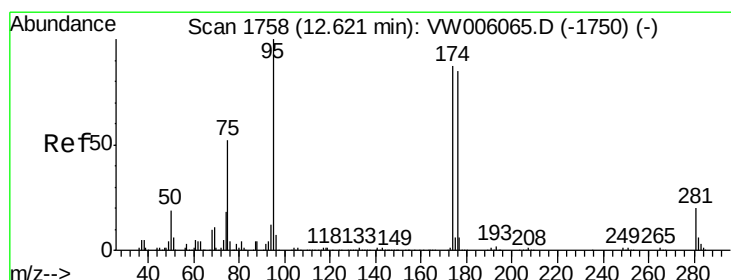
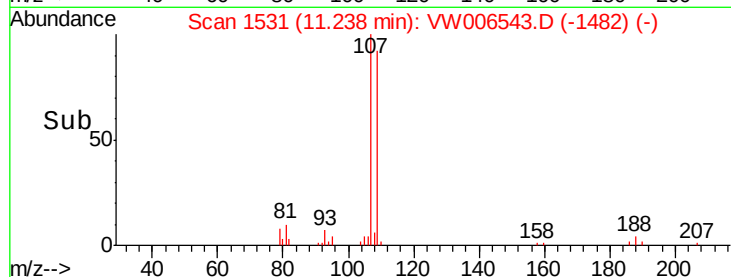
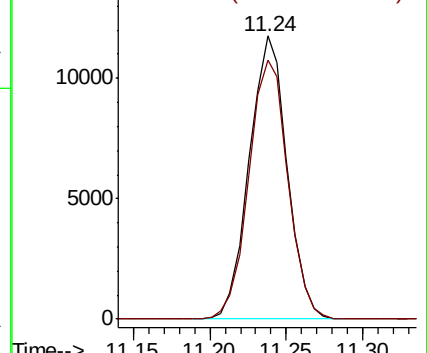
107 100

109 94.6 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 10.166 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

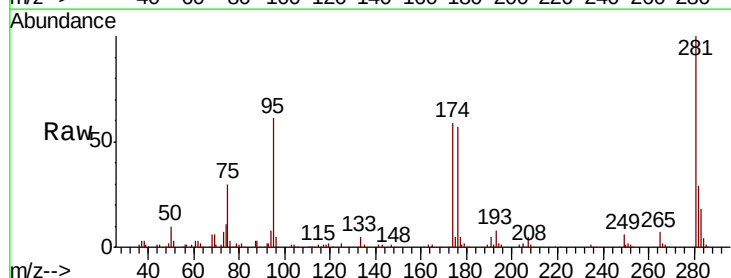
Tgt Ion: 95 Resp: 36069

Ion Ratio Lower Upper

95 100

174 97.5 0.0 192.4

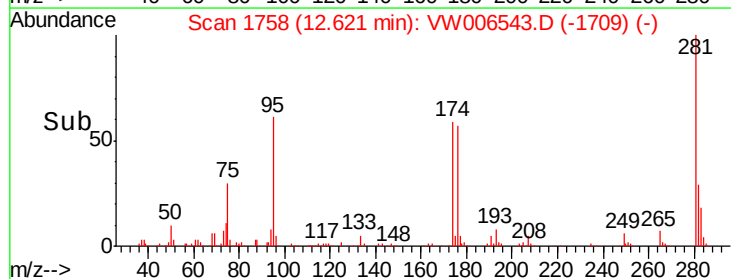
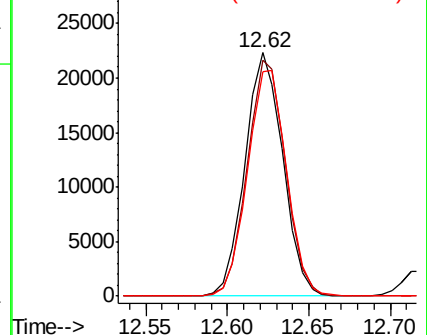
176 95.7 0.0 187.4

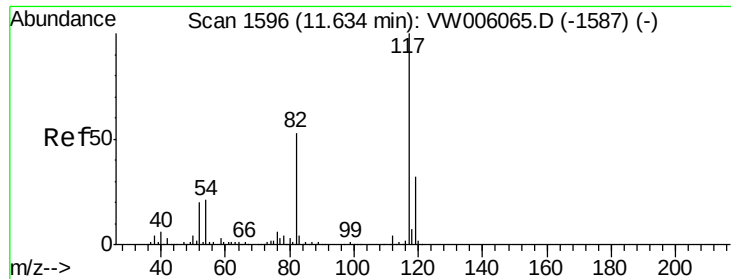


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

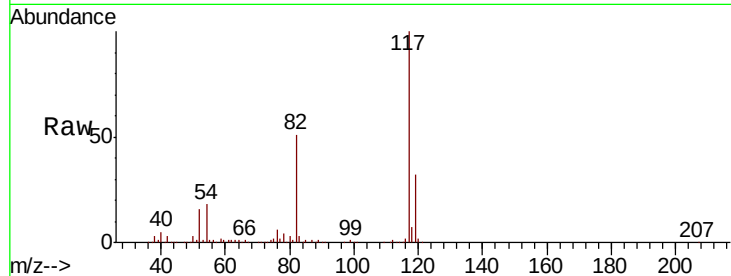




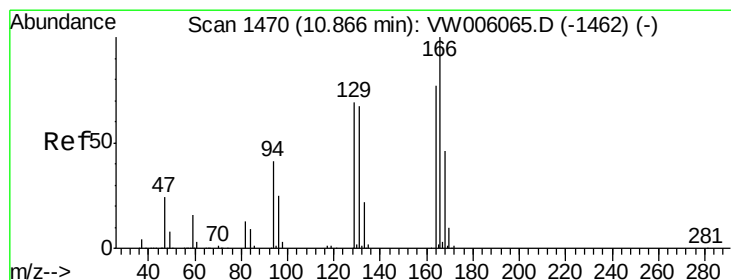
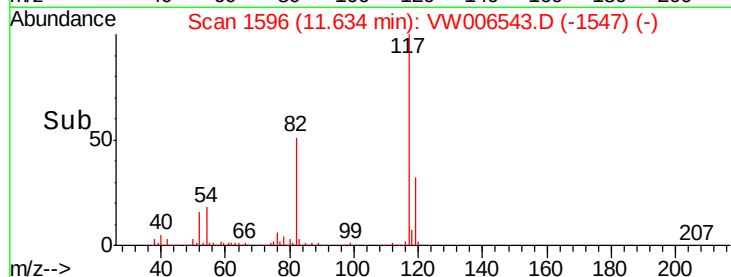
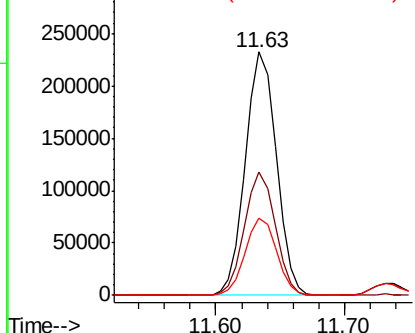
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion:117 Resp: 387010
Ion Ratio Lower Upper
117 100
82 50.6 40.8 61.2
119 31.7 26.1 39.1

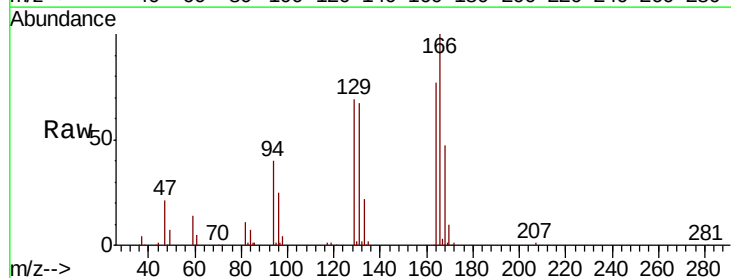


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

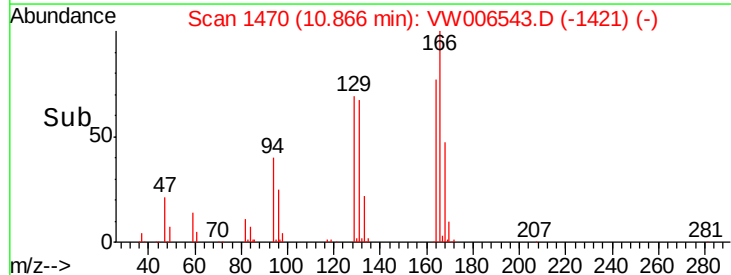
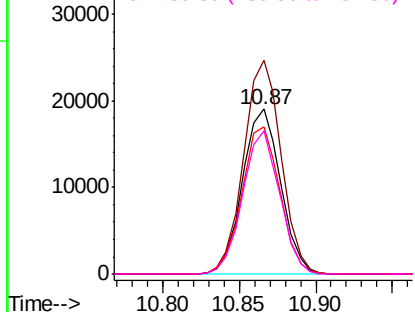


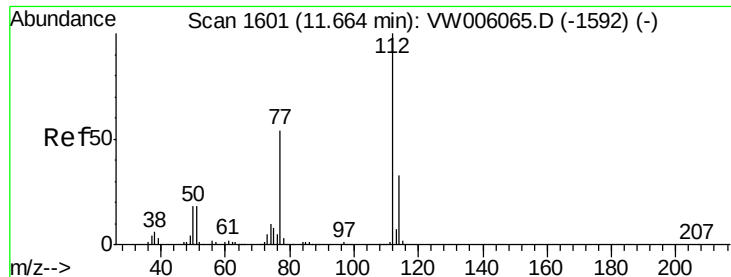
#64
Tetrachloroethene
Concen: 10.903 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Tgt Ion:164 Resp: 33011
Ion Ratio Lower Upper
164 100
166 129.4 102.8 154.2
129 89.0 70.9 106.3
131 86.8 67.0 100.6



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

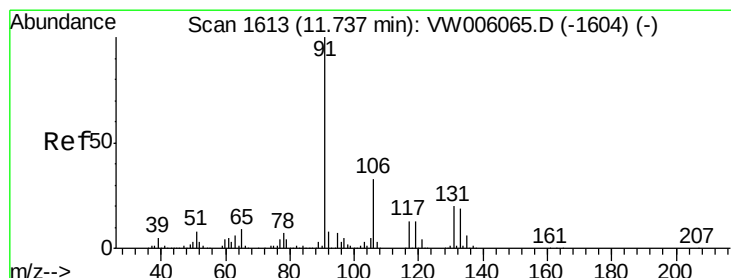
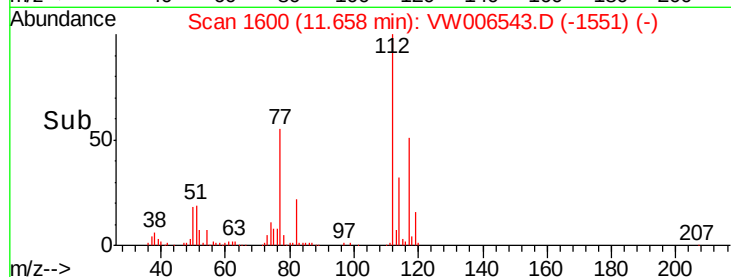
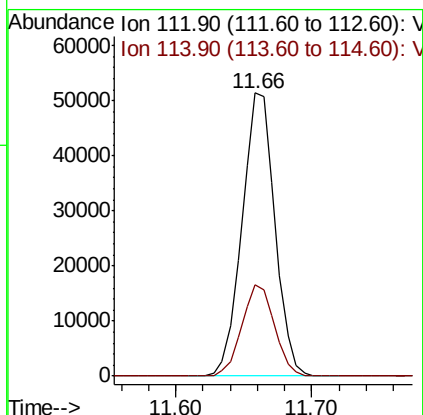
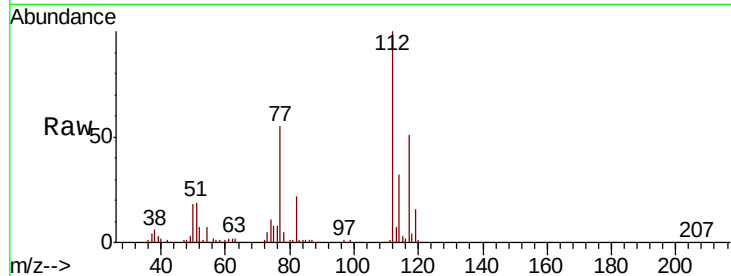




#65
Chlorobenzene
Concen: 10.466 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

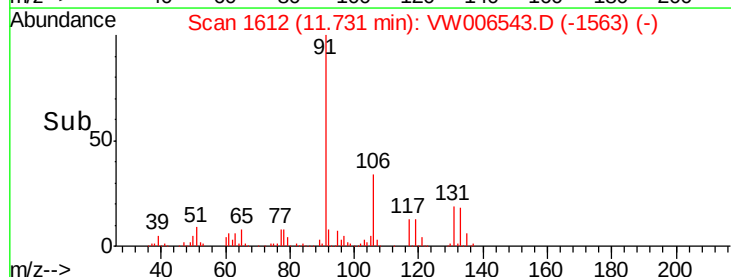
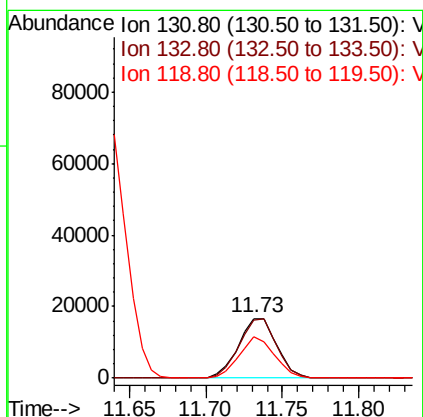
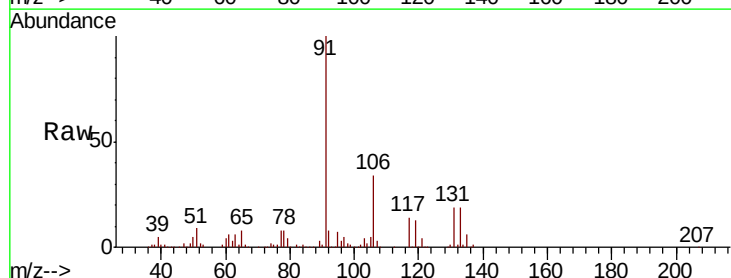
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

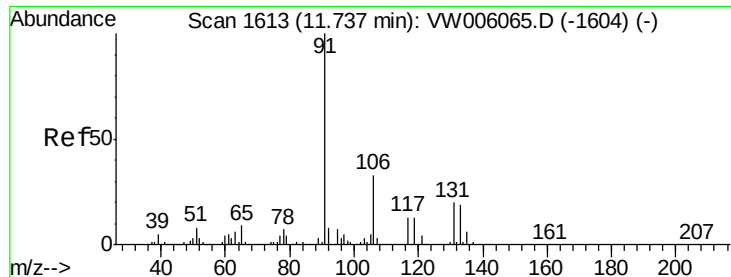
Tgt Ion:112 Resp: 86813
Ion Ratio Lower Upper
112 100
114 32.1 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 9.844 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Tgt Ion:131 Resp: 28930
Ion Ratio Lower Upper
131 100
133 97.5 47.5 142.5
119 64.8 31.9 95.5

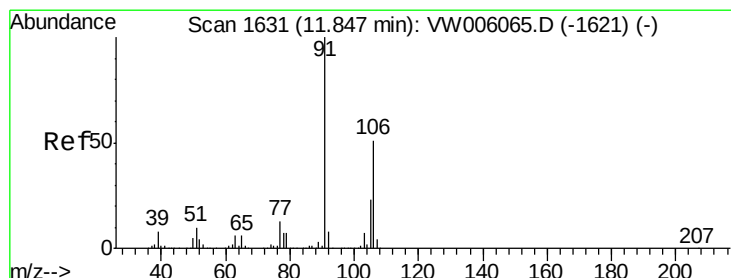
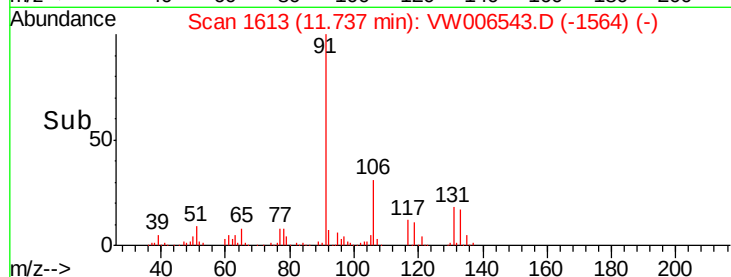
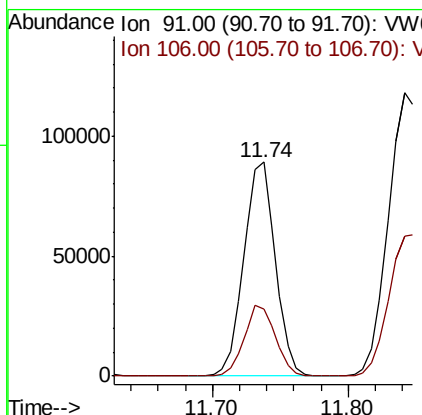
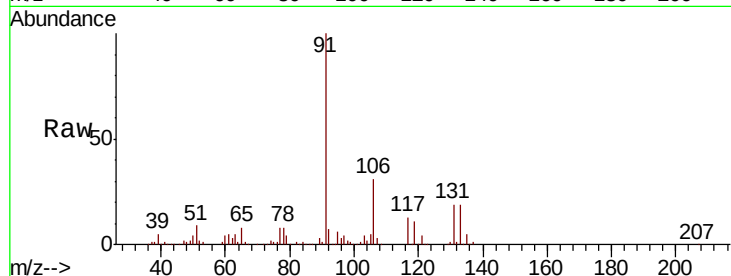




#67
Ethyl Benzene
Concen: 10.122 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

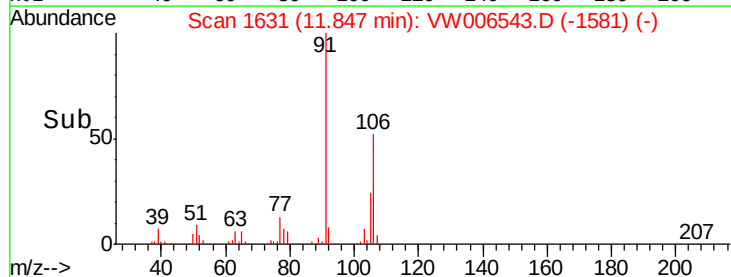
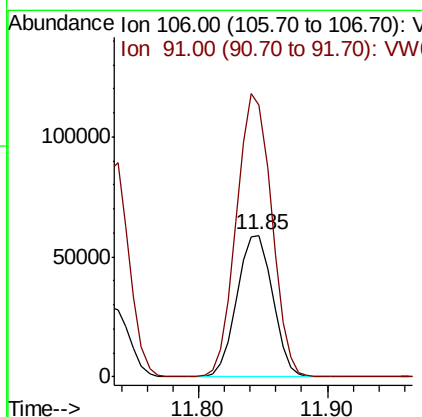
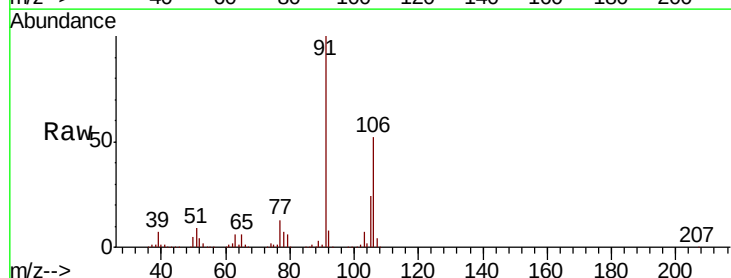
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

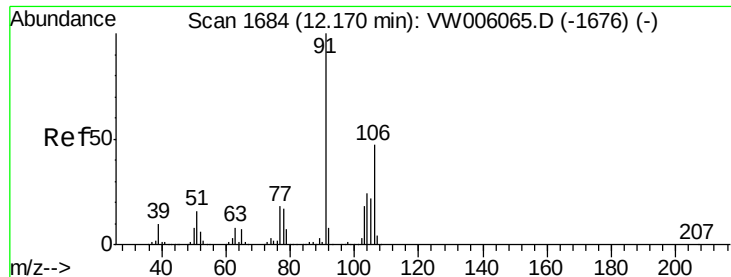
Tgt Ion: 91 Resp: 144701
Ion Ratio Lower Upper
91 100
106 31.1 26.3 39.5



#68
m/p-Xylenes
Concen: 20.079 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Tgt Ion: 106 Resp: 113681
Ion Ratio Lower Upper
106 100
91 197.3 156.7 235.1

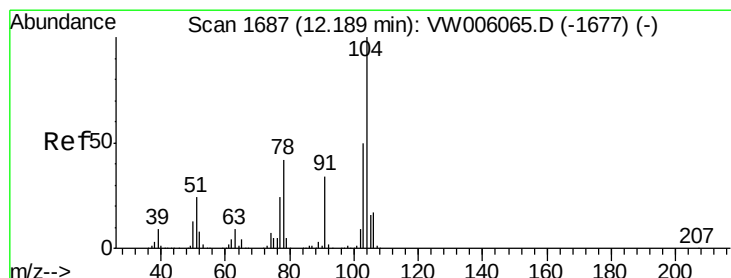
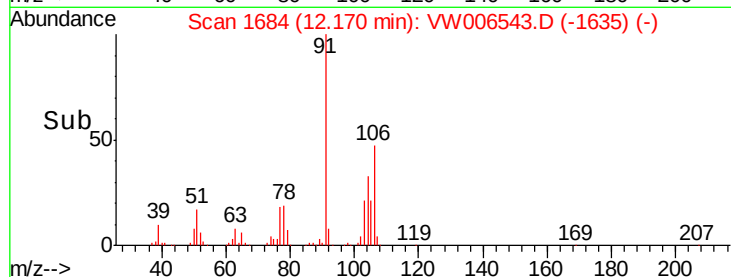
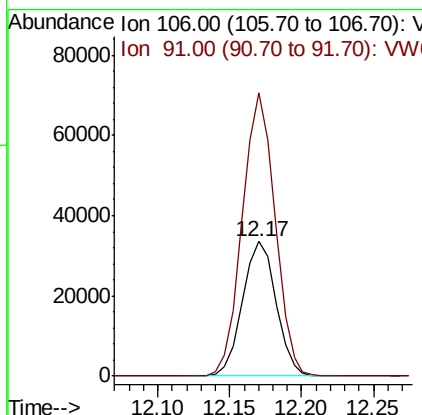
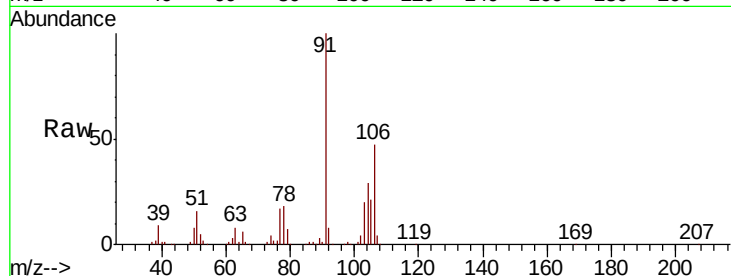




#69
o-Xylene
Concen: 10.003 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

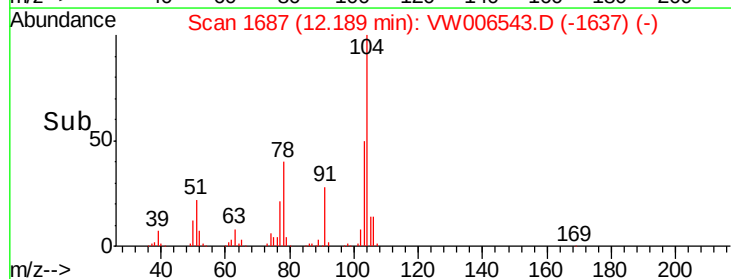
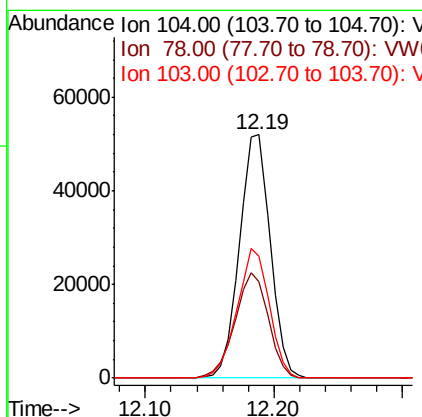
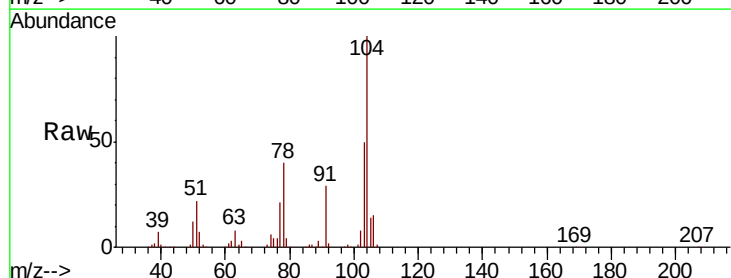
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

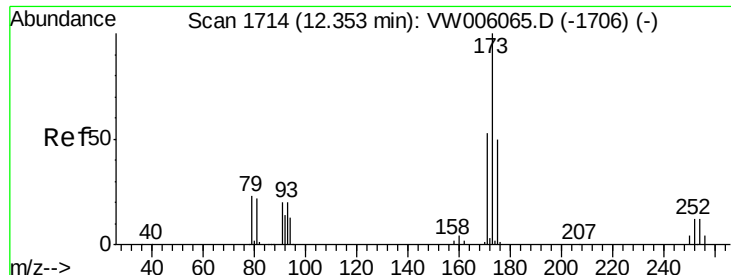
Tgt Ion:106 Resp: 53999
Ion Ratio Lower Upper
106 100
91 206.2 102.8 308.4



#70
Styrene
Concen: 9.791 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Tgt Ion:104 Resp: 86036
Ion Ratio Lower Upper
104 100
78 47.1 37.2 55.8
103 55.9 44.2 66.2





#71

Bromoform

Concen: 8.634 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

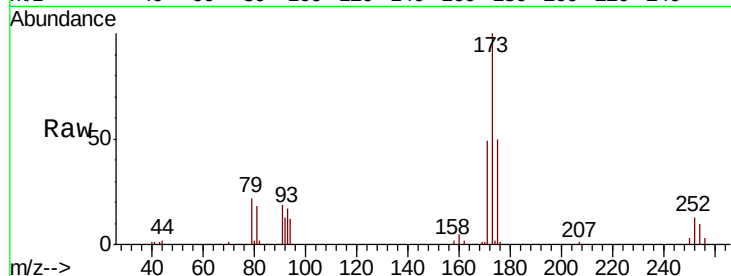
Tgt Ion:173 Resp: 14039

Ion Ratio Lower Upper

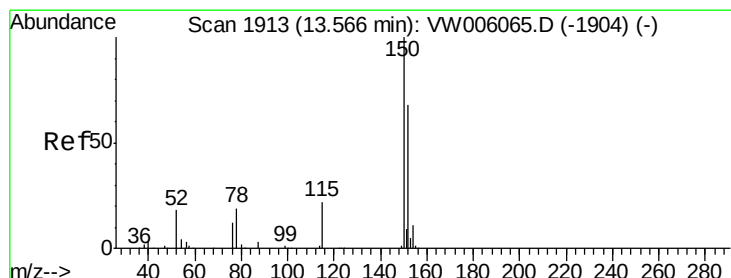
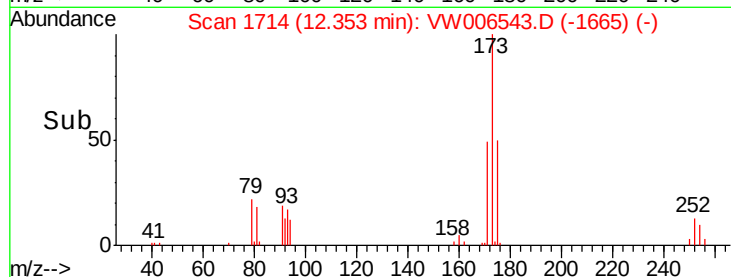
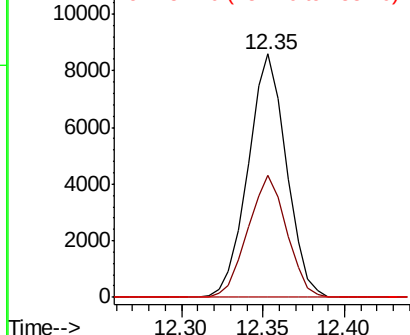
173 100

175 50.8 24.1 72.4

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

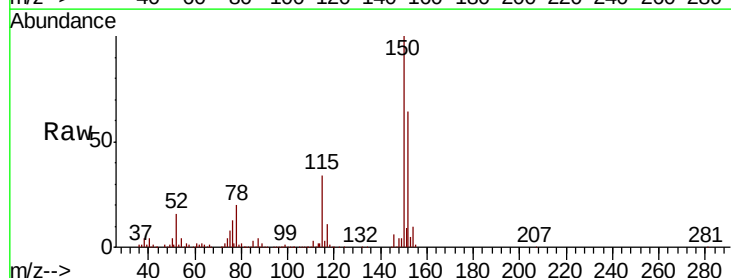
Tgt Ion:152 Resp: 214026

Ion Ratio Lower Upper

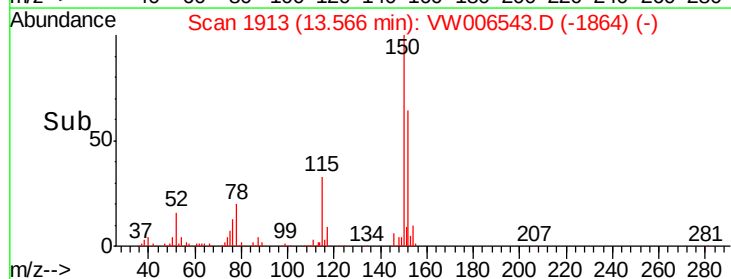
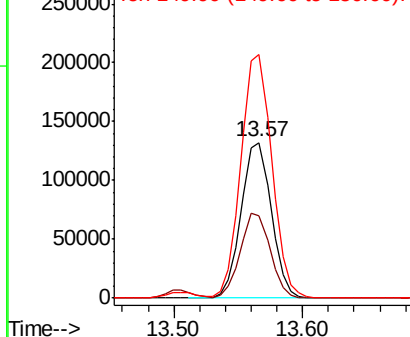
152 100

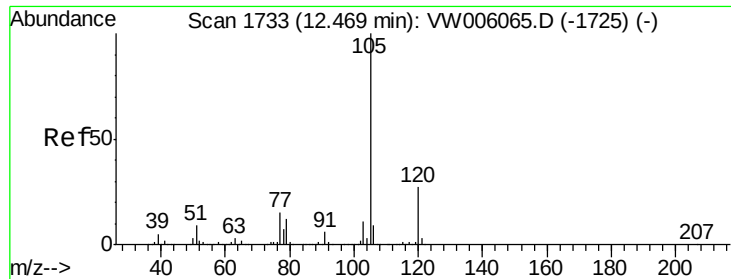
115 54.3 26.6 79.8

150 160.8 0.0 344.6



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: 9.804 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

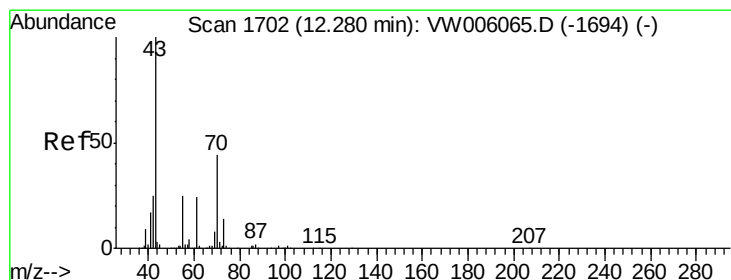
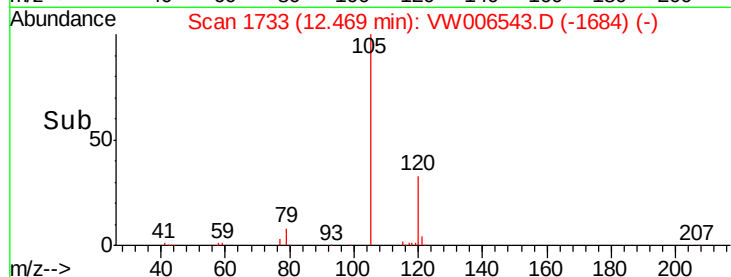
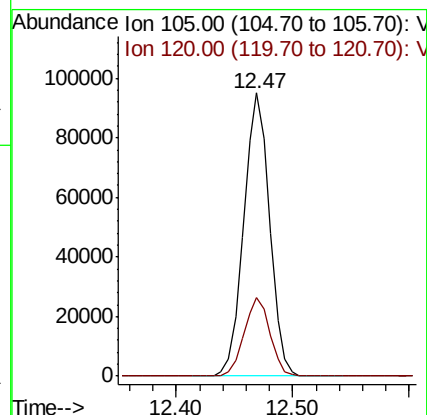
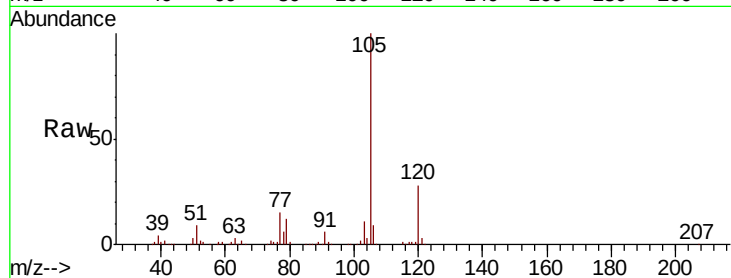
VSTDIC010

Tgt Ion:105 Resp: 147133

Ion Ratio Lower Upper

105 100

120 27.6 13.7 41.1



#74

N-ethyl acetate

Concen: 8.126 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.01 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Tgt Ion: 43 Resp: 23277

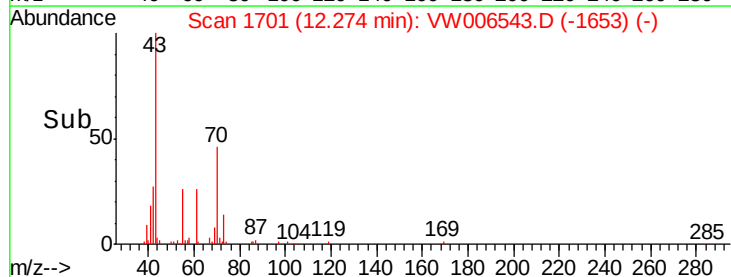
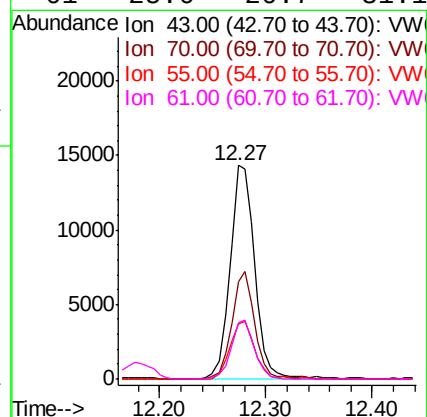
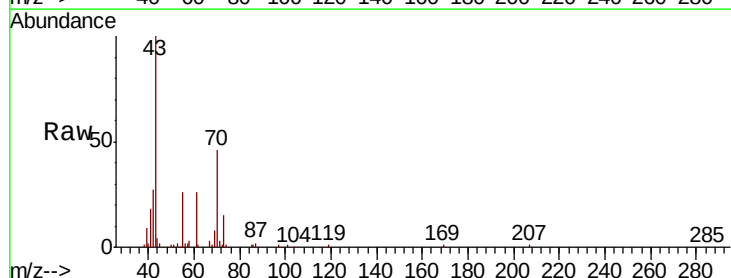
Ion Ratio Lower Upper

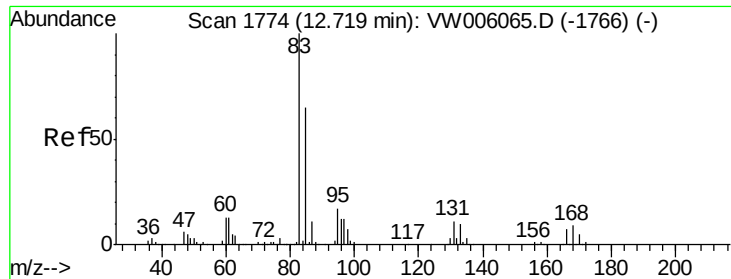
43 100

70 46.4 36.9 55.3

55 26.9 20.7 31.1

61 25.6 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 9.781 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

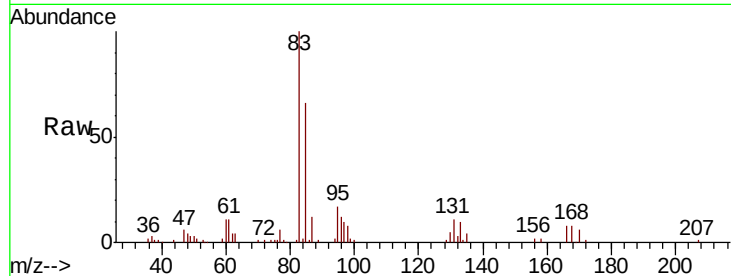
Tgt Ion: 83 Resp: 22333

Ion Ratio Lower Upper

83 100

131 12.3 5.9 17.7

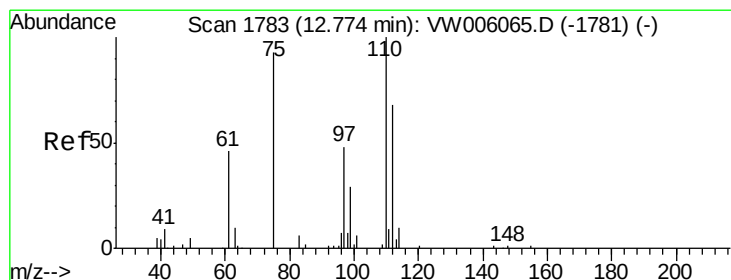
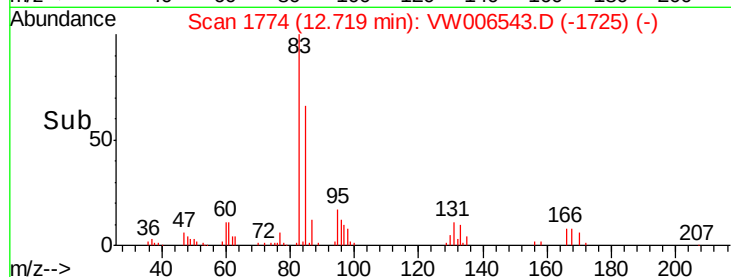
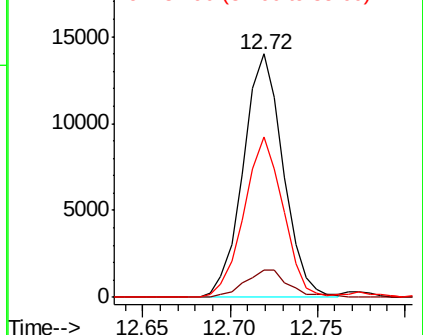
85 64.2 32.3 96.8



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: 16.730 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006543.D

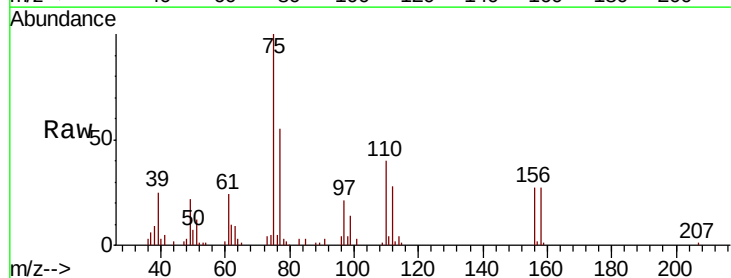
Acq: 31 Oct 2018 23:55

Tgt Ion: 75 Resp: 27708

Ion Ratio Lower Upper

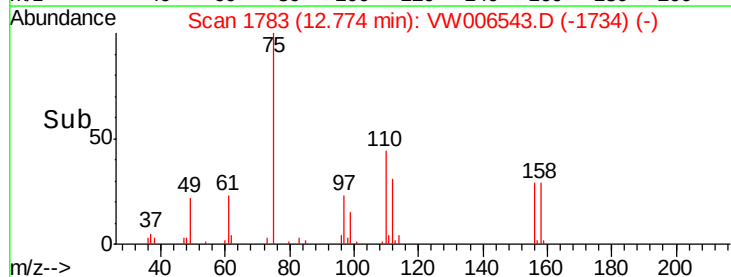
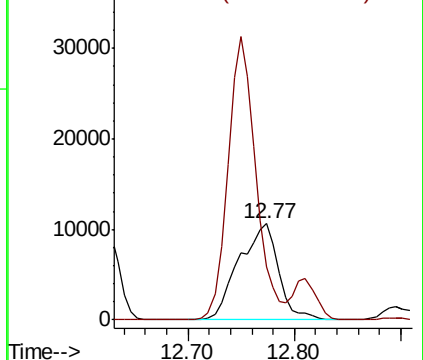
75 100

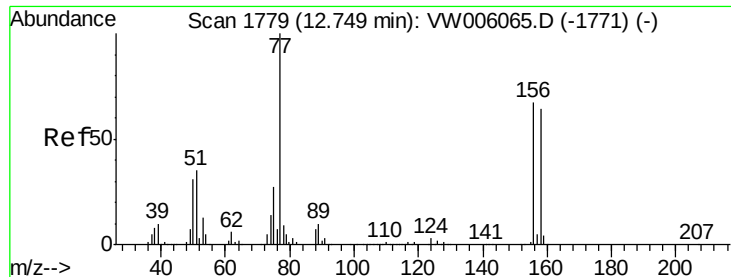
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 10.358 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

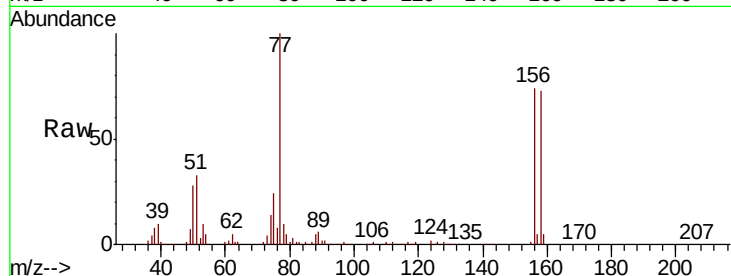
Tgt Ion:156 Resp: 38316

Ion Ratio Lower Upper

156 100

77 150.5 75.9 227.8

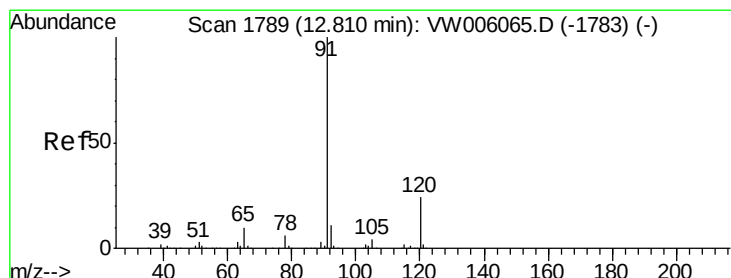
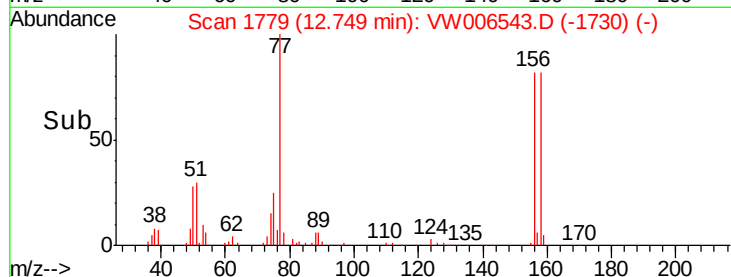
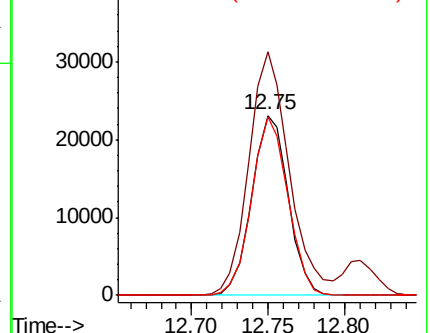
158 98.4 48.6 145.9



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: 9.909 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006543.D

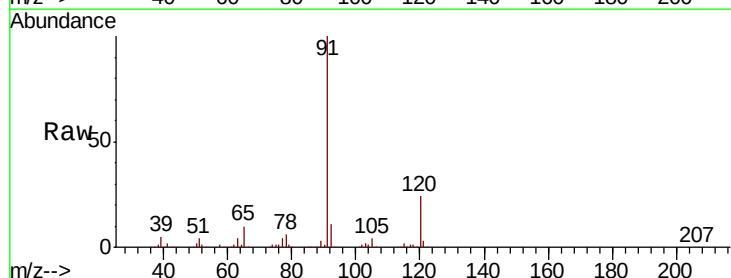
Acq: 31 Oct 2018 23:55

Tgt Ion: 91 Resp: 172503

Ion Ratio Lower Upper

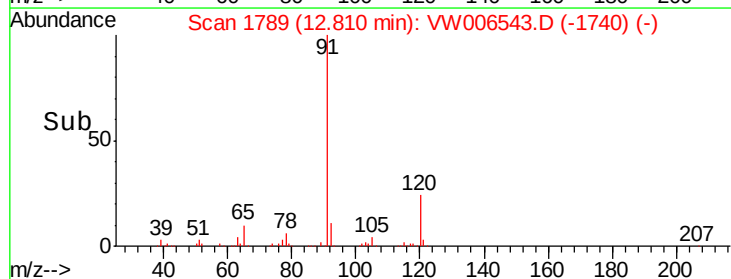
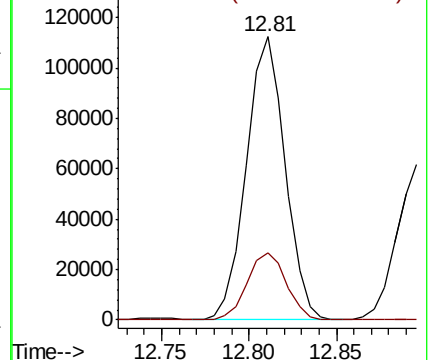
91 100

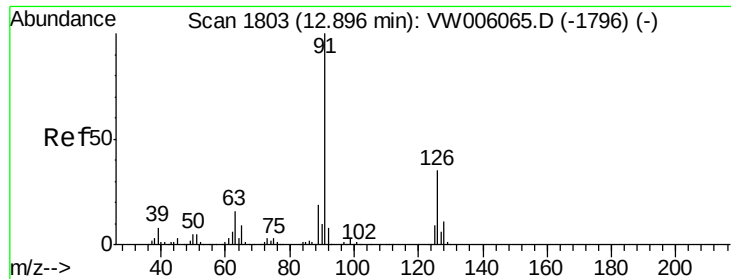
120 24.1 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 10.076 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

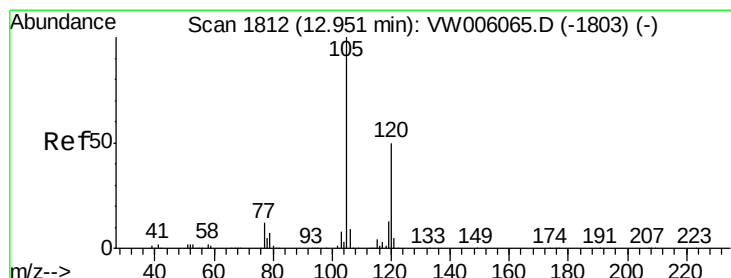
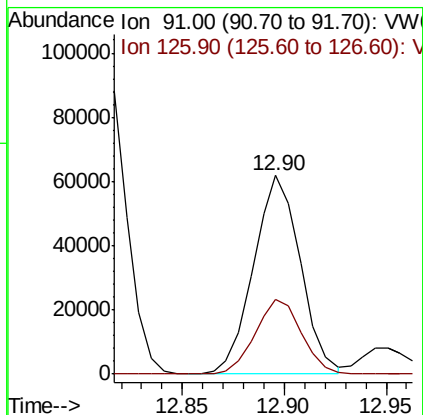
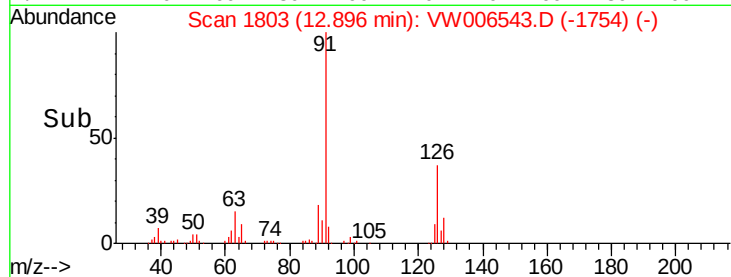
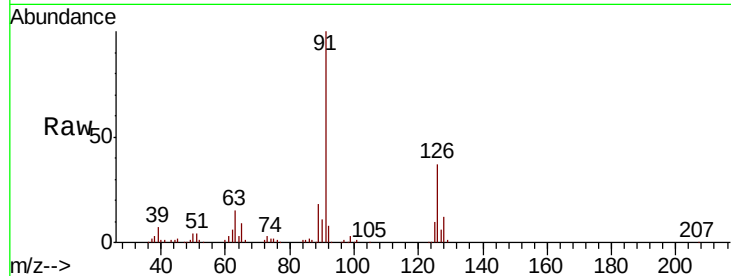
VSTDIC010

Tgt Ion: 91 Resp: 98641

Ion Ratio Lower Upper

91 100

126 37.5 18.5 55.5



#80

1,3,5-Trimethylbenzene

Concen: 9.937 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006543.D

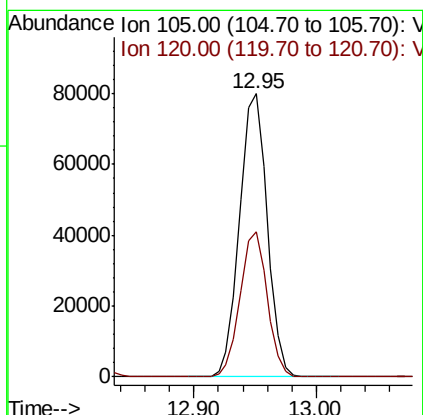
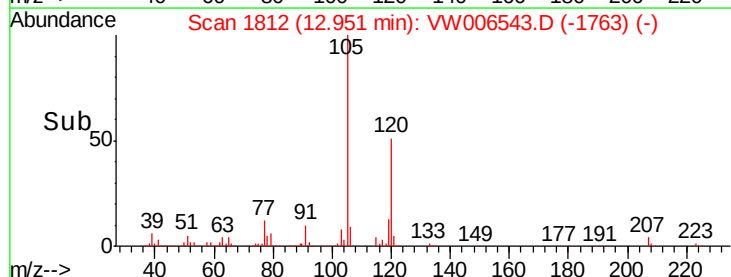
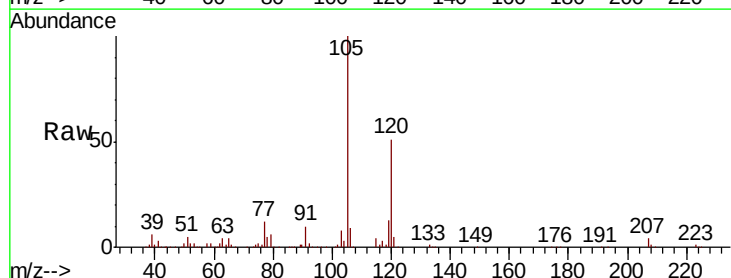
Acq: 31 Oct 2018 23:55

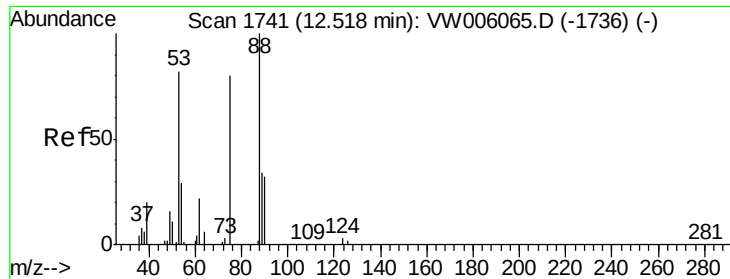
Tgt Ion: 105 Resp: 125548

Ion Ratio Lower Upper

105 100

120 50.4 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 7.388 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

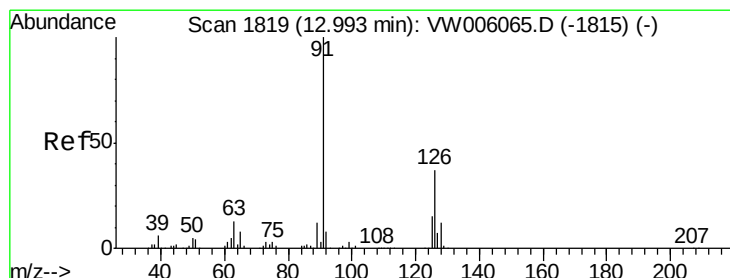
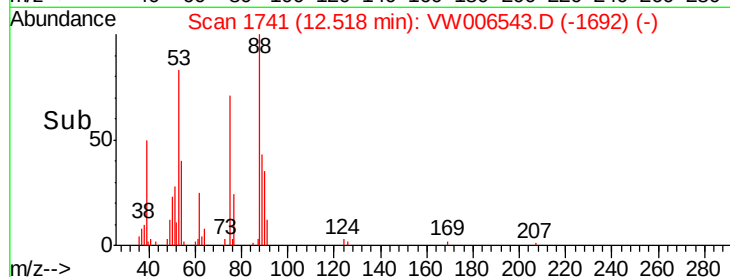
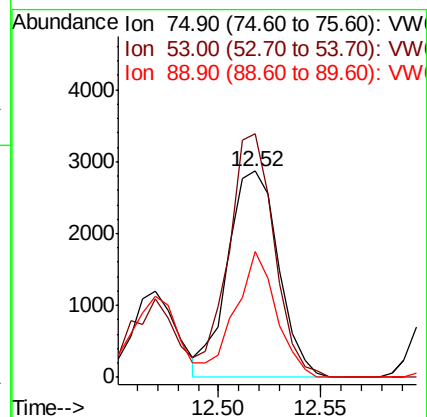
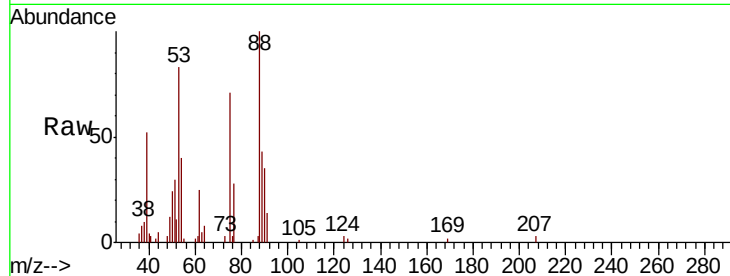
Tgt Ion: 75 Resp: 4954

Ion Ratio Lower Upper

75 100

53 105.8 77.2 115.8

89 48.4 38.6 58.0



#82

4-Chlorotoluene

Concen: 10.252 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW006543.D

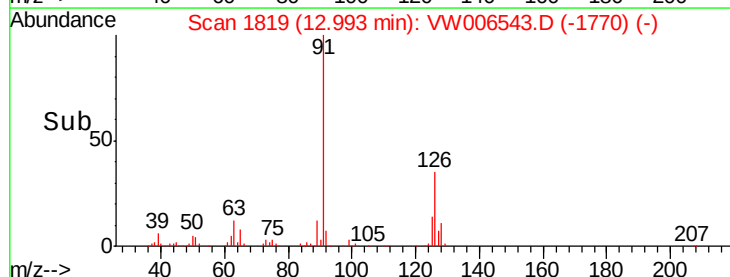
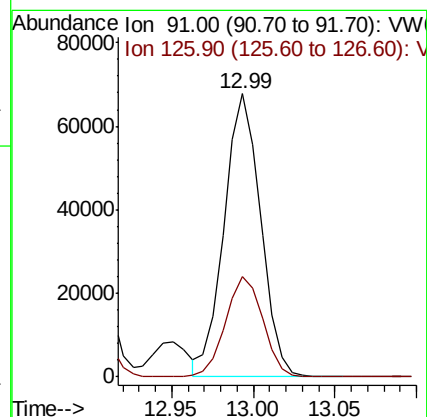
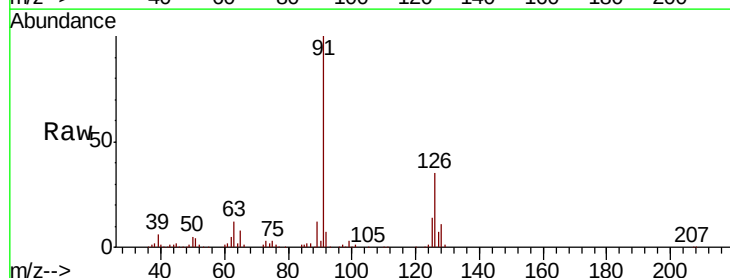
Acq: 31 Oct 2018 23:55

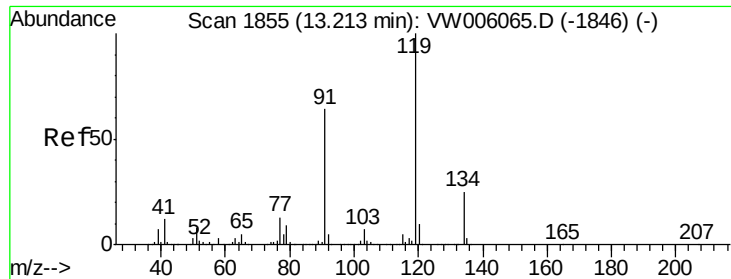
Tgt Ion: 91 Resp: 105541

Ion Ratio Lower Upper

91 100

126 36.3 18.5 55.5

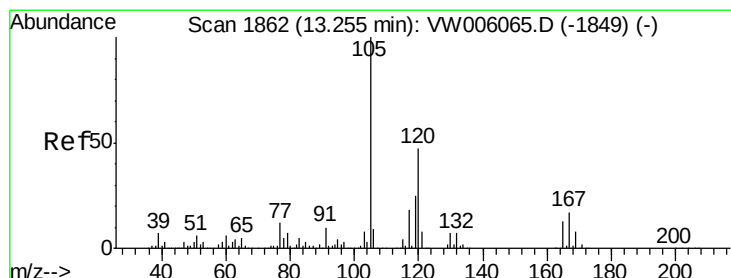
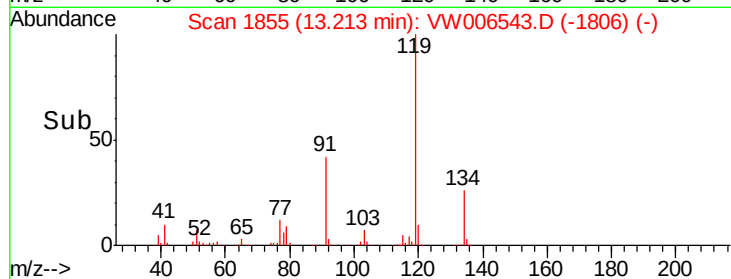
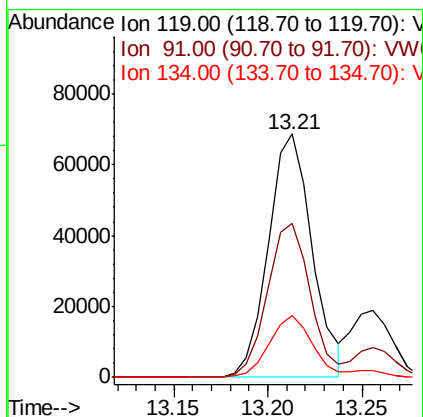
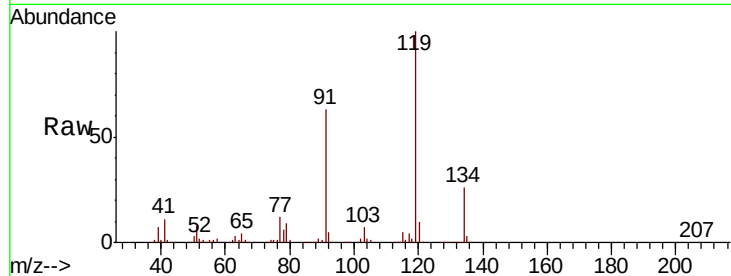




#83
 tert-Butylbenzene
 Concen: 9.806 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW006543.D
 Acq: 31 Oct 2018 23:55

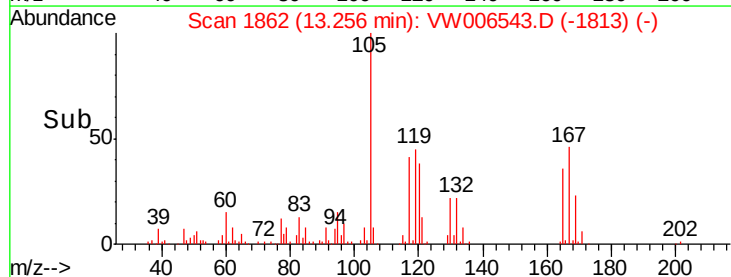
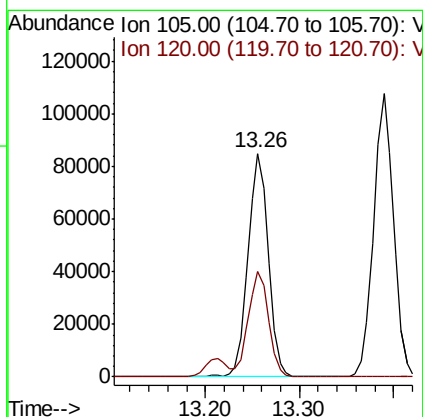
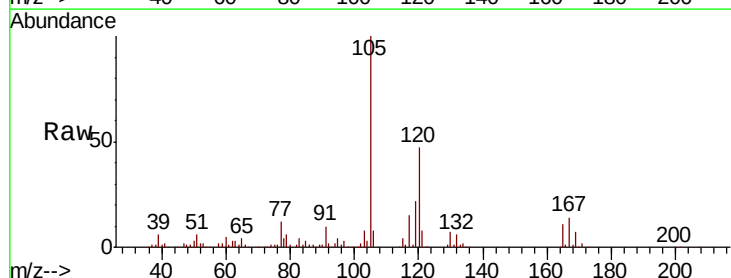
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

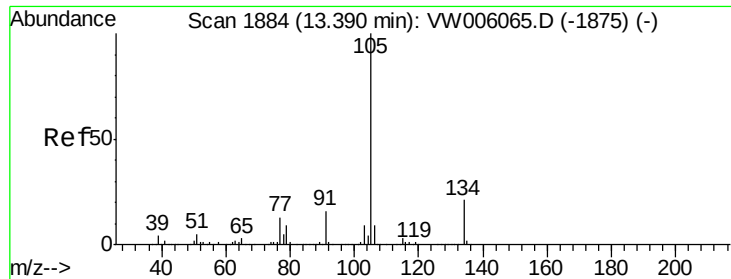
Tgt Ion:119 Resp: 110903
 Ion Ratio Lower Upper
 119 100
 91 62.0 30.4 91.3
 134 25.2 13.5 40.4



#84
 1,2,4-Trimethylbenzene
 Concen: 10.039 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW006543.D
 Acq: 31 Oct 2018 23:55

Tgt Ion:105 Resp: 128724
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.2 69.6





#85

sec-Butylbenzene

Concen: 9.906 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

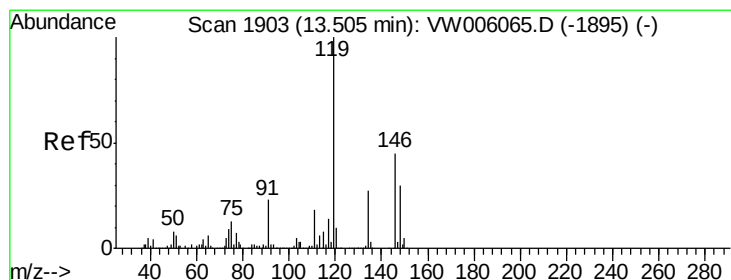
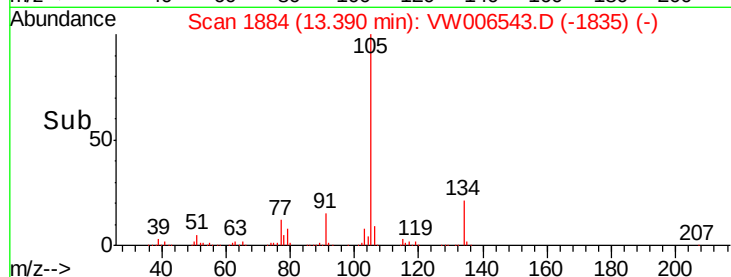
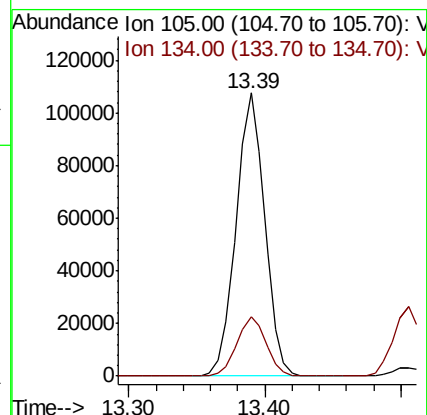
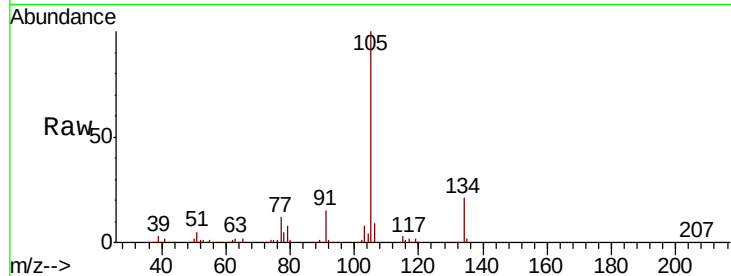
VSTDIC010

Tgt Ion:105 Resp: 157801

Ion Ratio Lower Upper

105 100

134 21.4 10.6 31.8



#86

p-Isopropyltoluene

Concen: 9.785 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

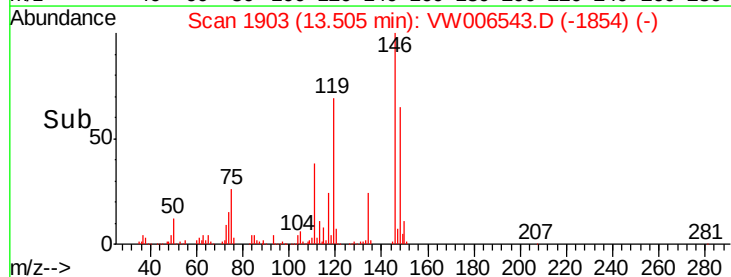
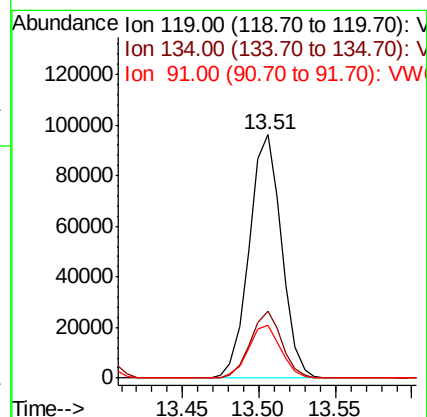
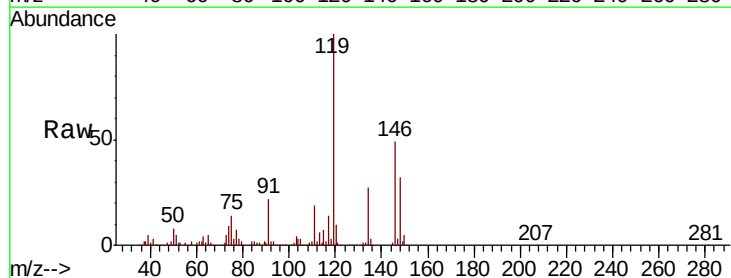
Tgt Ion:119 Resp: 141110

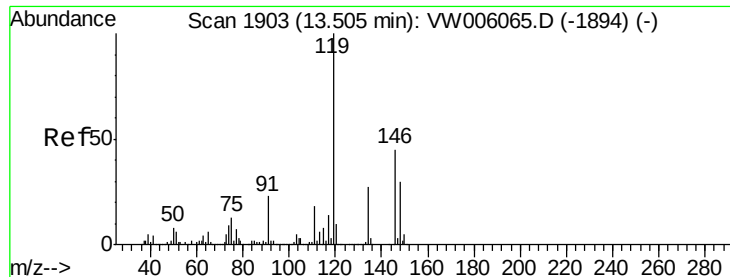
Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.7

91 22.0 10.9 32.6

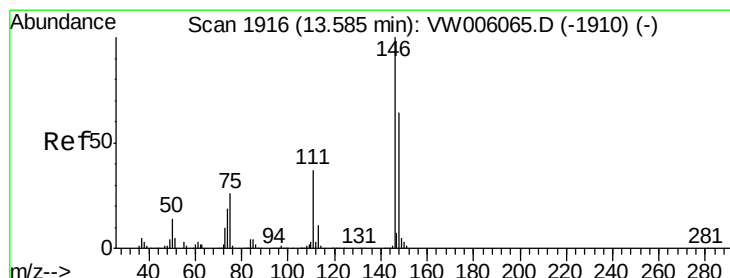
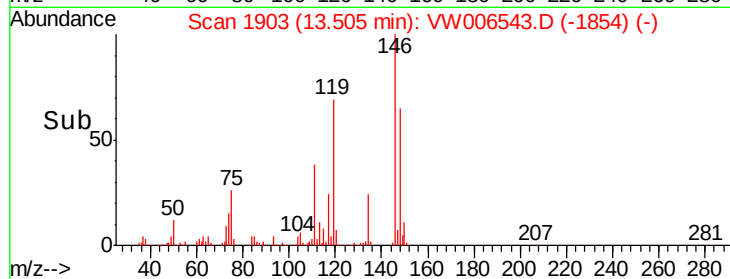
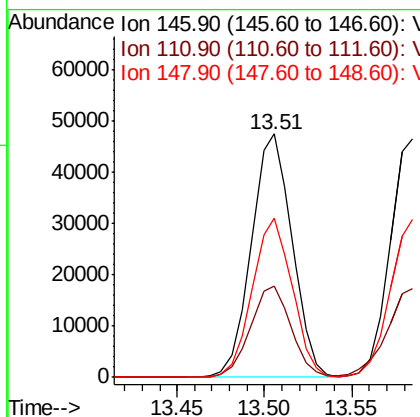
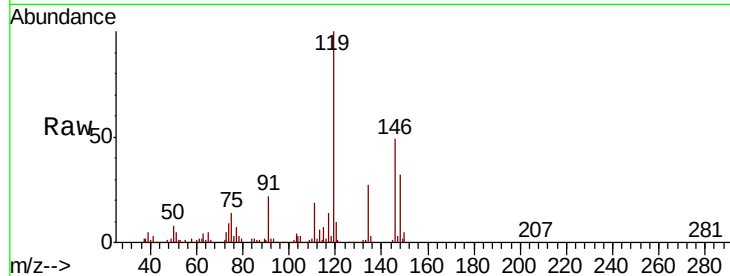




#87
 1,3-Dichlorobenzene
 Concen: 10.408 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006543.D
 Acq: 31 Oct 2018 23:55

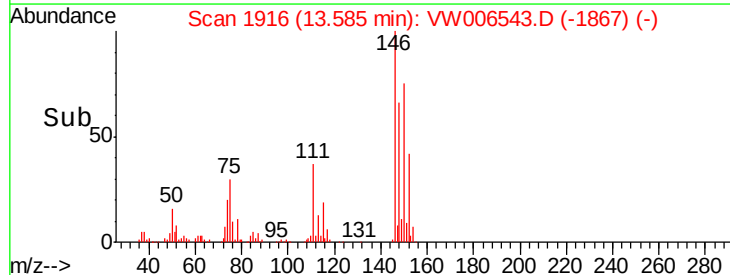
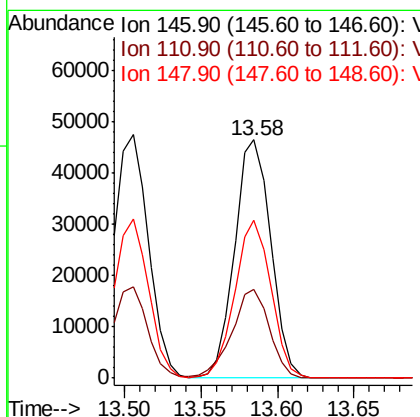
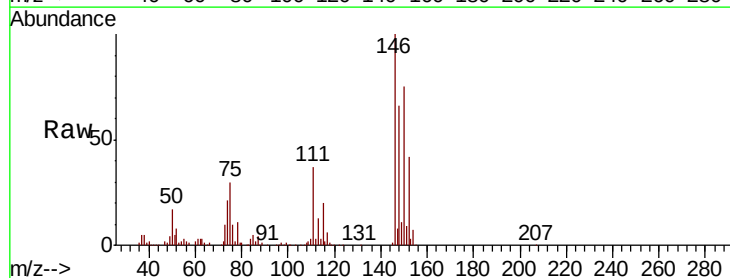
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

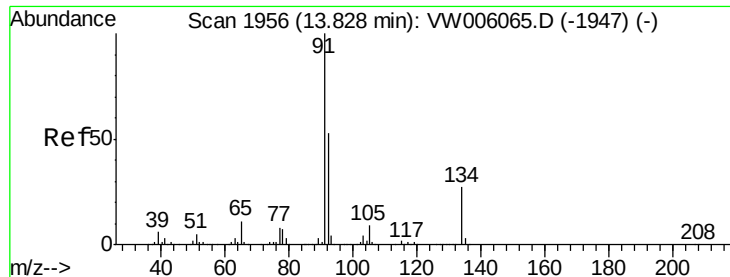
Tgt Ion:146 Resp: 76611
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.6 55.6
 148 64.1 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 10.424 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006543.D
 Acq: 31 Oct 2018 23:55

Tgt Ion:146 Resp: 76339
 Ion Ratio Lower Upper
 146 100
 111 38.9 17.9 53.7
 148 66.0 32.1 96.5





#89

n-Butylbenzene

Concen: 9.643 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

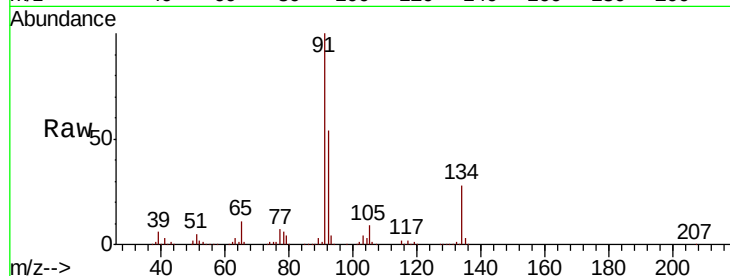
Tgt Ion: 91 Resp: 126824

Ion Ratio Lower Upper

91 100

92 52.3 26.4 79.0

134 28.2 14.3 42.9

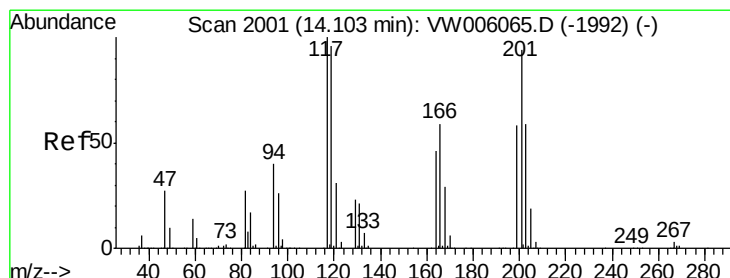
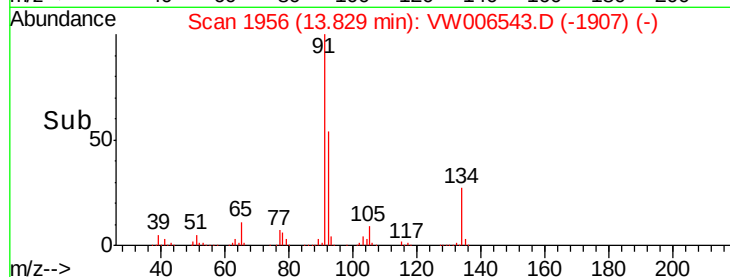
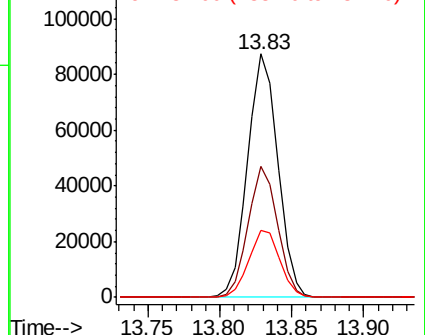


Abundance

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): VW



#90

Hexachloroethane

Concen: 9.157 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW006543.D

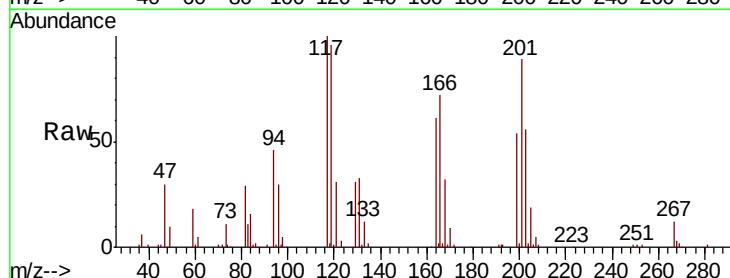
Acq: 31 Oct 2018 23:55

Tgt Ion: 117 Resp: 22258

Ion Ratio Lower Upper

117 100

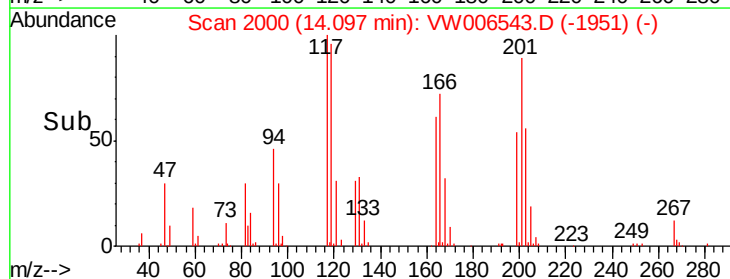
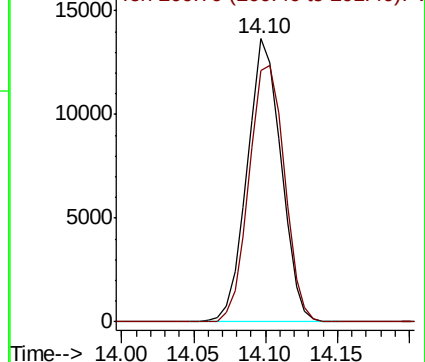
201 94.6 46.8 140.3

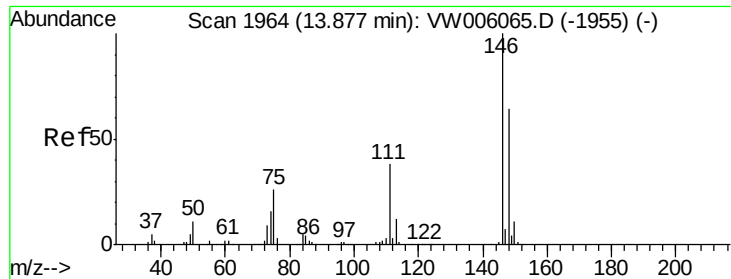


Abundance

Ion 116.80 (116.50 to 117.50): VW

Ion 200.70 (200.40 to 201.40): VW

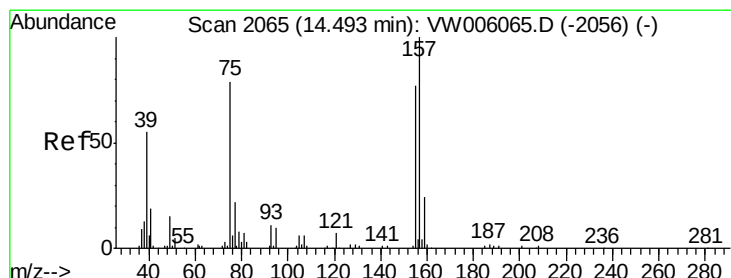
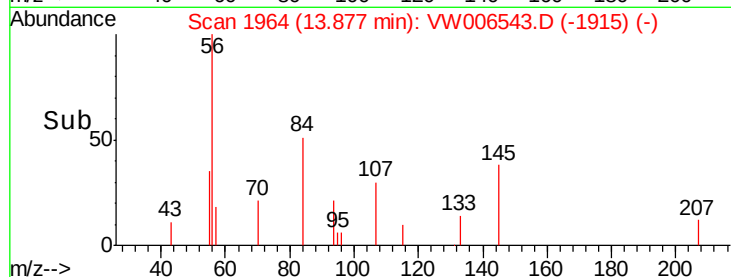
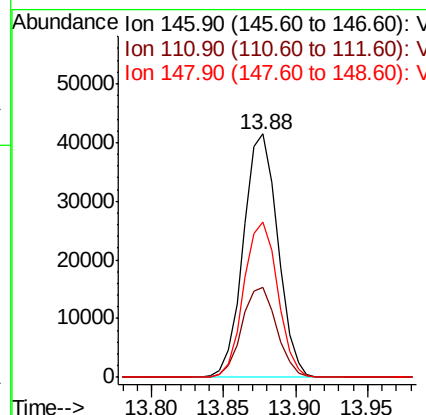
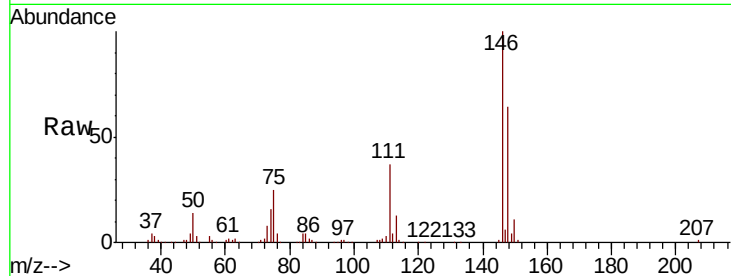




#91
 1,2-Dichlorobenzene
 Concen: 10.460 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006543.D
 Acq: 31 Oct 2018 23:55

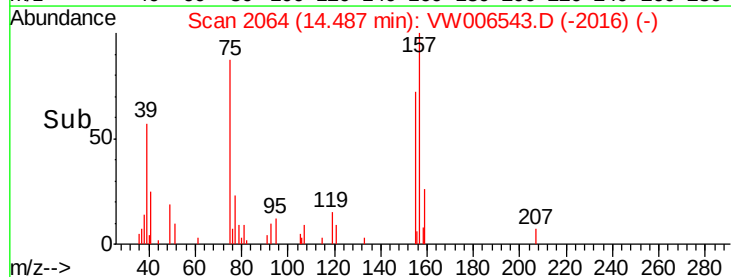
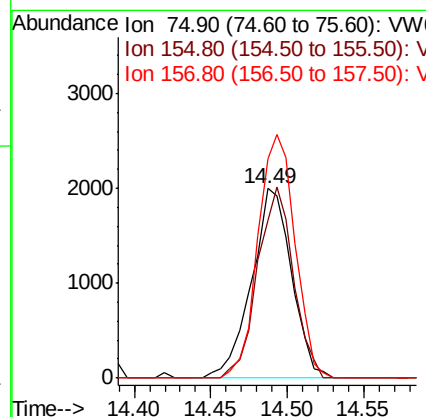
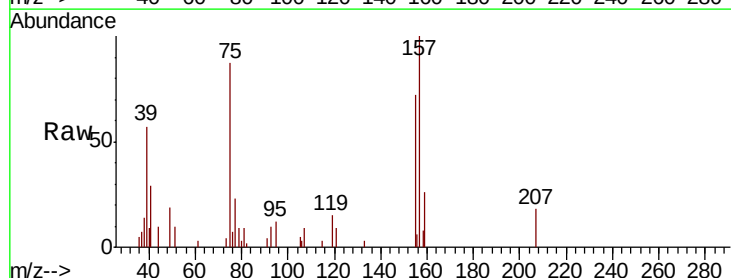
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

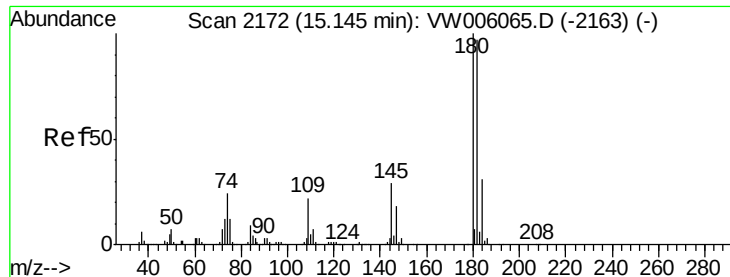
Tgt Ion:146 Resp: 68694
 Ion Ratio Lower Upper
 146 100
 111 37.6 19.1 57.5
 148 62.8 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.043 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW006543.D
 Acq: 31 Oct 2018 23:55

Tgt Ion: 75 Resp: 3642
 Ion Ratio Lower Upper
 75 100
 155 90.0 50.6 151.8
 157 118.6 65.0 195.0

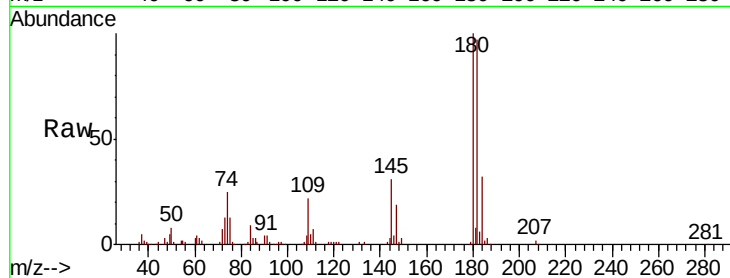




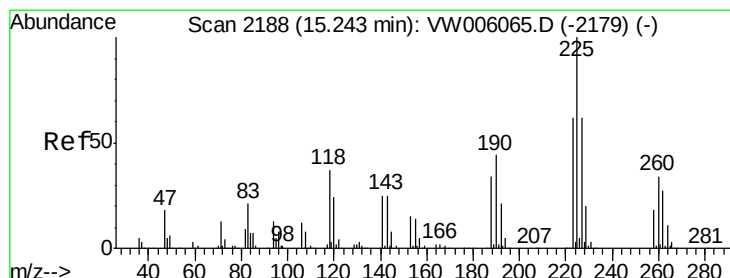
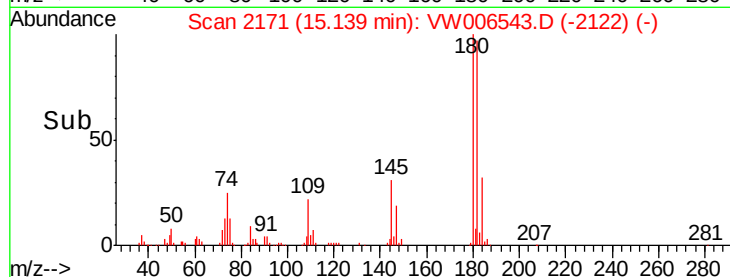
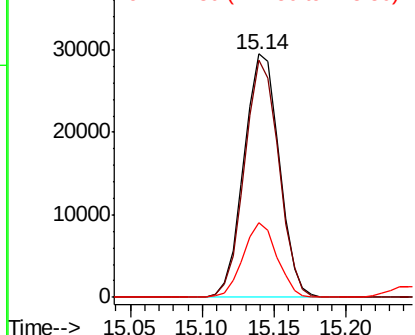
#93
 1,2,4-Trichlorobenzene
 Concen: 9.908 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW006543.D
 Acq: 31 Oct 2018 23:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tgt Ion:180 Resp: 50105
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.5 142.6
 145 29.4 14.0 42.0

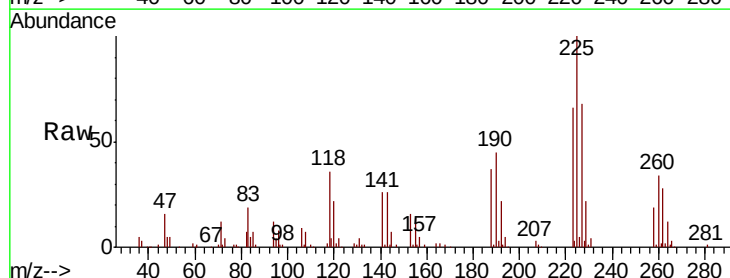


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

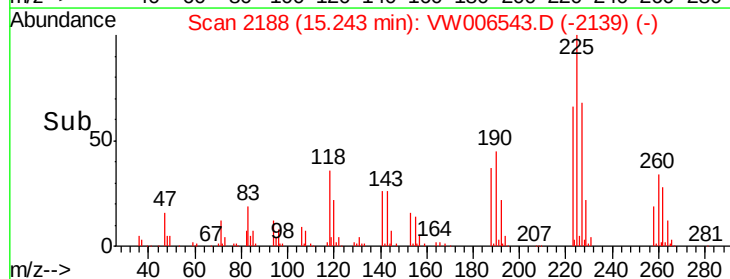
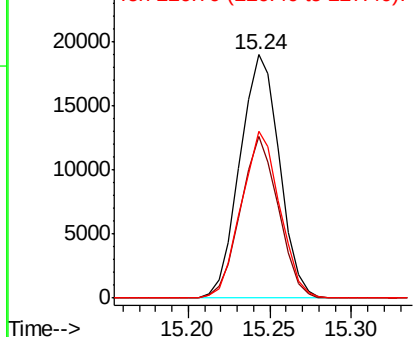


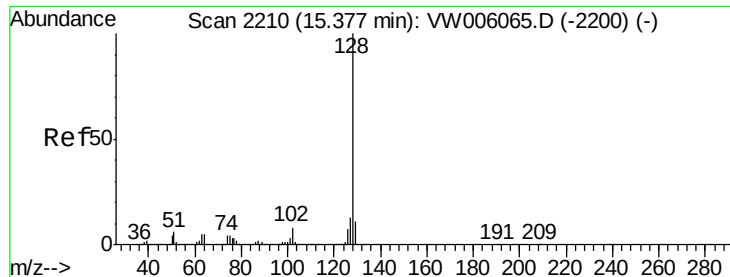
#94
 Hexachlorobutadiene
 Concen: 10.122 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006543.D
 Acq: 31 Oct 2018 23:55

Tgt Ion:225 Resp: 31950
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.4 94.2
 227 66.6 32.2 96.6



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

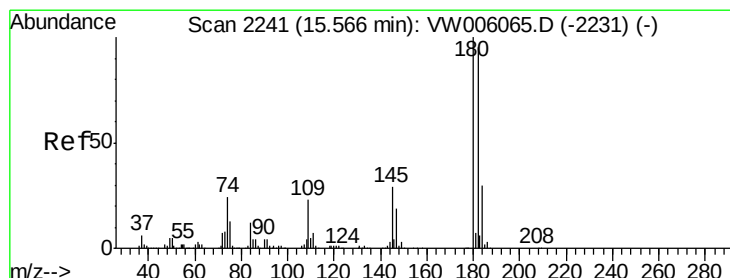
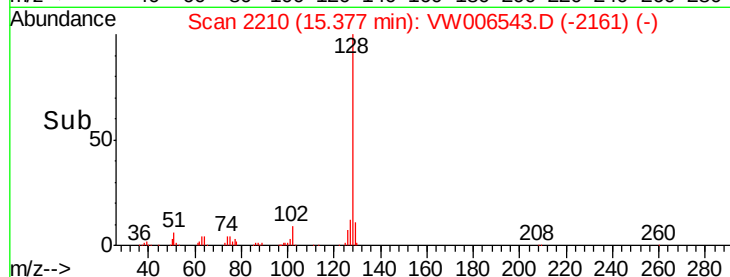
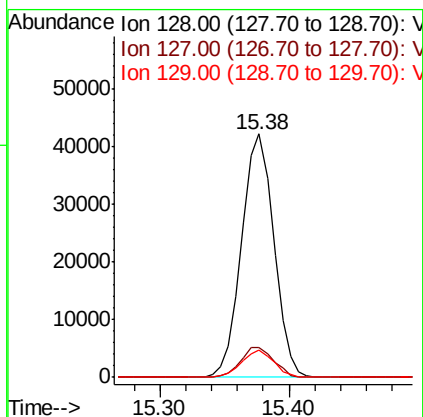
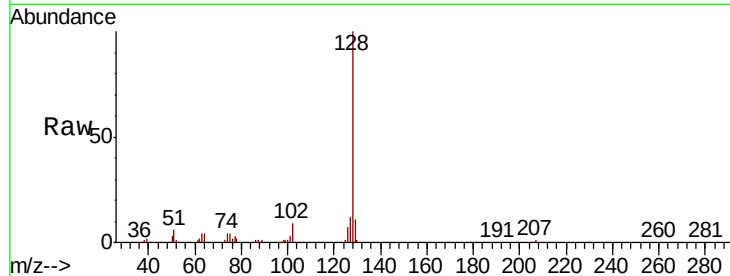




#95
Naphthalene
Concen: 8.736 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tgt Ion:128 Resp: 73204
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 11.2 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 9.816 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Tgt Ion:180 Resp: 42995
Ion Ratio Lower Upper
180 100
182 97.1 48.2 144.6
145 30.3 14.9 44.5

