

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101518\
 Data File : VW006067.D
 Acq On : 15 Oct 2018 19:12
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Quant Time: Oct 16 04:24:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 04:19:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	293799	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	425795	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	391708	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	222915	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	238176	85.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	170.74%	
35) Dibromofluoromethane	7.88	113	241838	90.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	180.14%	
50) Toluene-d8	10.33	98	926286	89.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	179.92%	
62) 4-Bromofluorobenzene	12.62	95	352874	90.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	180.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	156776	108.050	ug/l	95
3) Chloromethane	2.22	50	188319	108.961	ug/l	98
4) Vinyl Chloride	2.37	62	271747	101.372	ug/l	97
5) Bromomethane	2.79	94	244498	113.773	ug/l	98
6) Chloroethane	2.93	64	197870	113.644	ug/l	99
7) Trichlorofluoromethane	3.26	101	255120	116.743	ug/l	100
8) Diethyl Ether	3.68	74	124741	93.772	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	254570	95.205	ug/l	99
10) Methyl Iodide	4.27	142	434166	98.912	ug/l	99
11) Tert butyl alcohol	5.23	59	80383	398.535	ug/l	99
12) 1,1-Dichloroethene	4.04	96	239888	93.909	ug/l	96
13) Acrolein	3.90	56	73677	402.012	ug/l	97
14) Allyl chloride	4.67	41	347235	81.243	ug/l	99
15) Acrylonitrile	5.38	53	238532	429.101	ug/l	100
16) Acetone	4.15	43	215220	394.063	ug/l	99
17) Carbon Disulfide	4.38	76	736179	95.355	ug/l	100
18) Methyl Acetate	4.68	43	121677	86.963	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	362507	91.322	ug/l	97
20) Methylene Chloride	4.92	84	252805	89.197	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	267729	95.878	ug/l	97
22) Diisopropyl ether	6.32	45	703088	87.485	ug/l	98
23) Vinyl Acetate	6.26	43	2105249	428.920	ug/l	99
24) 1,1-Dichloroethane	6.22	63	446824	90.139	ug/l	99
25) 2-Butanone	7.18	43	316845	405.506	ug/l	99
26) 2,2-Dichloropropane	7.17	77	289398	83.467	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	299513	95.029	ug/l	99
28) Bromochloromethane	7.52	49	185491	98.852	ug/l	98
29) Tetrahydrofuran	7.54	42	205983	416.722	ug/l	99
30) Chloroform	7.68	83	488964	95.400	ug/l	100
31) Cyclohexane	7.96	56	404668	82.733	ug/l	97
32) 1,1,1-Trichloroethane	7.88	97	428694	93.765	ug/l	100
36) 1,1-Dichloropropene	8.09	75	378863	94.066	ug/l	99
37) Ethyl Acetate	7.26	43	145835	87.107	ug/l	99
38) Carbon Tetrachloride	8.07	117	423361	97.518	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	504006	95.010	ug/l	99
40) Benzene	8.33	78	1054110	95.584	ug/l	100
41) Methacrylonitrile	7.49	41	93027	88.092	ug/l	98
42) 1,2-Dichloroethane	8.40	62	315217	94.643	ug/l	99
43) Isopropyl Acetate	8.43	43	305385	87.586	ug/l	98
44) Trichloroethene	9.09	130	320880	99.672	ug/l	99
45) 1,2-Dichloropropane	9.37	63	253208	92.148	ug/l	99
46) Dibromomethane	9.46	93	147374	96.986	ug/l	100
47) Bromodichloromethane	9.65	83	362794	95.225	ug/l	99
48) Methyl methacrylate	9.44	41	145403	87.307	ug/l	98
49) 1,4-Dioxane	9.48	88	46043	1984.500	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	757524	444.080	ug/l	100
52) Toluene	10.39	92	711210	97.786	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	371470	94.090	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	417612	93.730	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	207387	98.261	ug/l	98
56) Ethyl methacrylate	10.65	69	263702	94.035	ug/l	98
57) 1,3-Dichloropropane	10.94	76	338406	95.644	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	469122	414.671	ug/l	100
59) 2-Hexanone	10.98	43	530414	436.013	ug/l	99
60) Dibromochloromethane	11.13	129	271411	100.049	ug/l	100
61) 1,2-Dibromoethane	11.24	107	211110	100.015	ug/l	99
64) Tetrachloroethene	10.87	164	295372	101.427	ug/l	100
65) Chlorobenzene	11.66	112	815973	98.187	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	305033	100.115	ug/l	99
67) Ethyl Benzene	11.74	91	1406124	96.129	ug/l	100
68) m/p-Xylenes	11.85	106	1125932	196.387	ug/l	99
69) o-Xylene	12.17	106	542001	98.660	ug/l	100
70) Styrene	12.19	104	898976	98.823	ug/l	100
71) Bromoform	12.35	173	179158	99.393	ug/l #	99
73) Isopropylbenzene	12.47	105	1525113	94.901	ug/l	100
74) N-amyl acetate	12.28	43	312847	84.045	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	240118	91.728	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	321910	167.581	ug/l #	100
77) Bromobenzene	12.75	156	375992	98.186	ug/l	99
78) n-propylbenzene	12.81	91	1750787	92.691	ug/l	100
79) 2-Chlorotoluene	12.90	91	1001726	93.834	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	1284448	94.540	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	75752	83.731	ug/l	98
82) 4-Chlorotoluene	12.99	91	1037081	92.708	ug/l	99
83) tert-Butylbenzene	13.21	119	1149331	95.227	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	1294053	94.521	ug/l	100
85) sec-Butylbenzene	13.39	105	1606579	94.754	ug/l	100
86) p-Isopropyltoluene	13.51	119	1459499	95.577	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	740745	97.489	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	729424	96.617	ug/l	100
89) n-Butylbenzene	13.83	91	1325613	92.683	ug/l	100
90) Hexachloroethane	14.10	117	260066	91.544	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	665589	98.485	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	42846	88.479	ug/l	97

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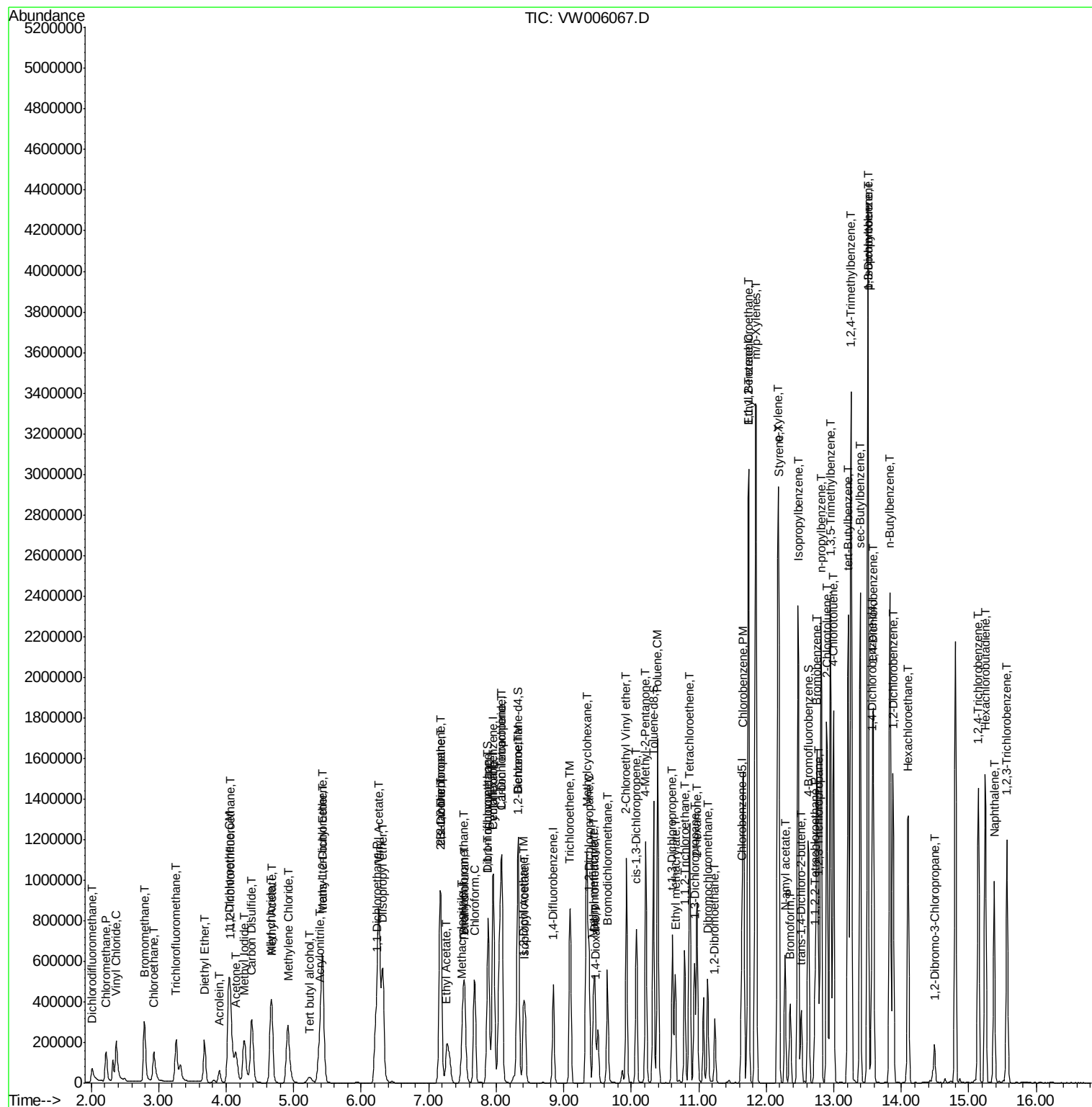
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	504022	96.866	ug/l	100
94) Hexachlorobutadiene	15.24	225	315024	96.943	ug/l	100
95) Naphthalene	15.38	128	872413	97.571	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	442466	98.171	ug/l	100

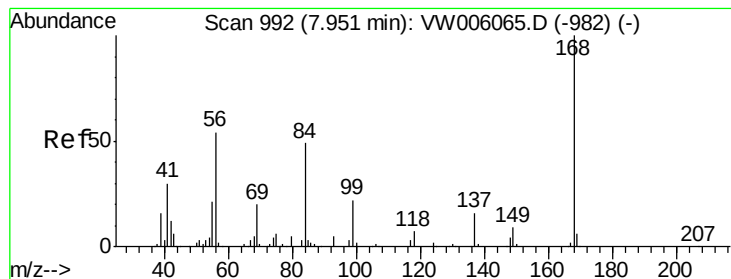
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW101518\
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Acq On : 15 Oct 2018 19:12
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Sample : VSTDICC100
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

ClientSampleId :

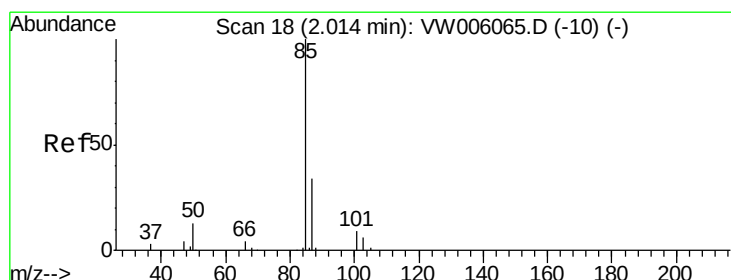
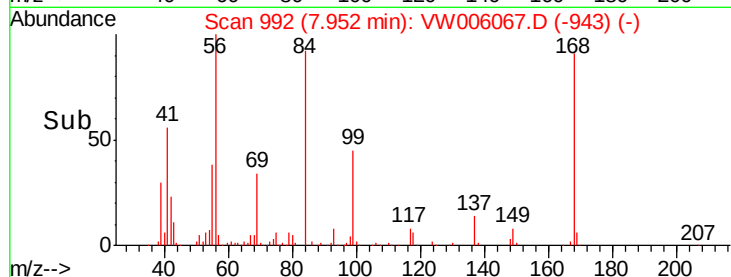
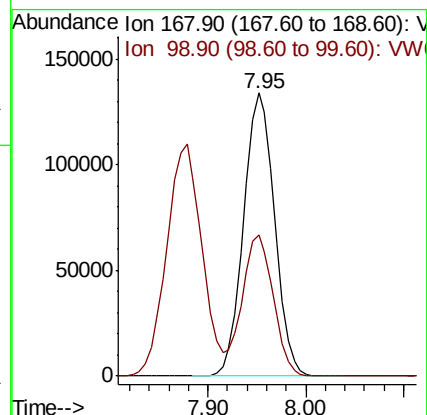
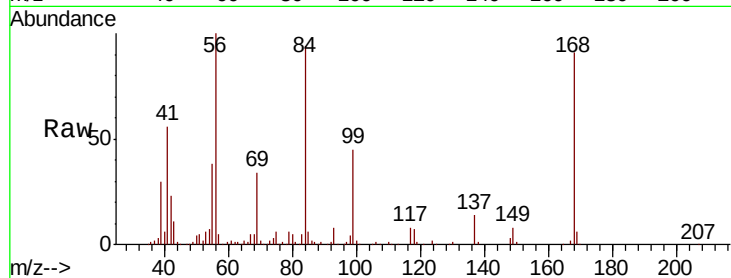
VSTDIC100

Tgt Ion:168 Resp: 293799

Ion Ratio Lower Upper

168 100

99 49.9 39.9 59.9



#2

Dichlorodifluoromethane

Concen: 108.050 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW006067.D

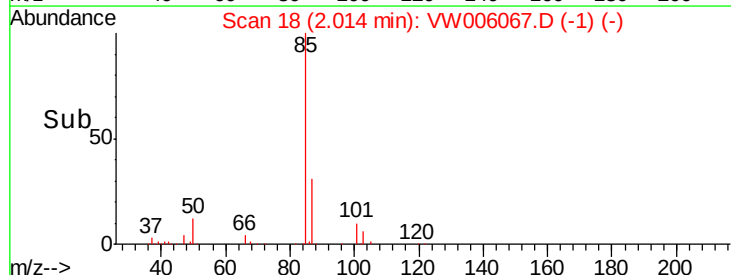
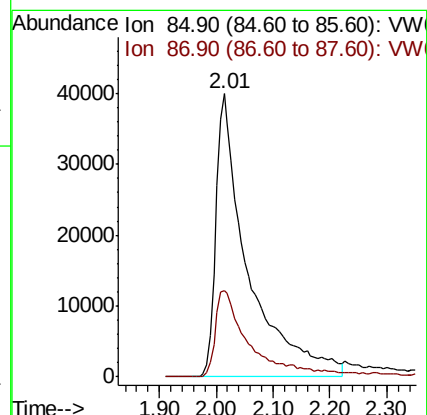
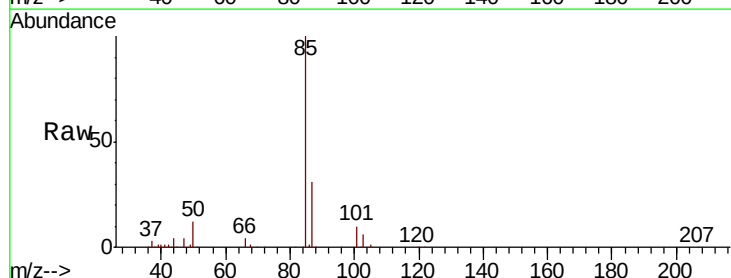
Acq: 15 Oct 2018 19:12

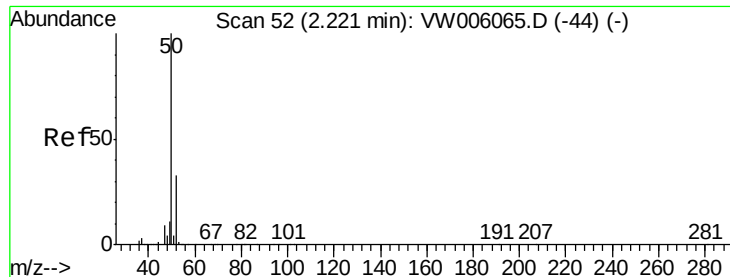
Tgt Ion: 85 Resp: 156776

Ion Ratio Lower Upper

85 100

87 30.7 16.9 50.6





#3

Chloromethane

Concen: 108.961 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

ClientSampleId :

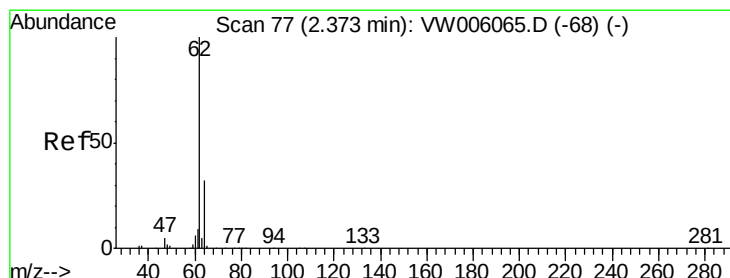
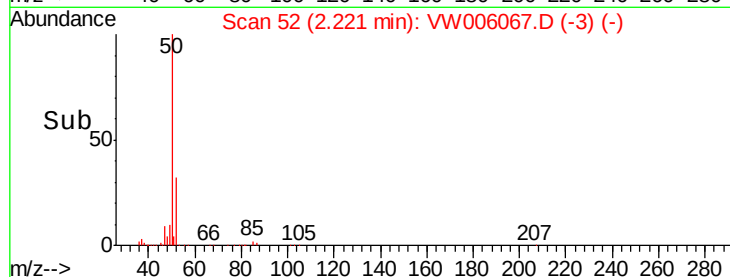
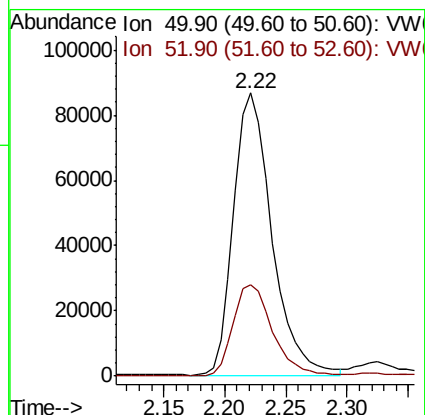
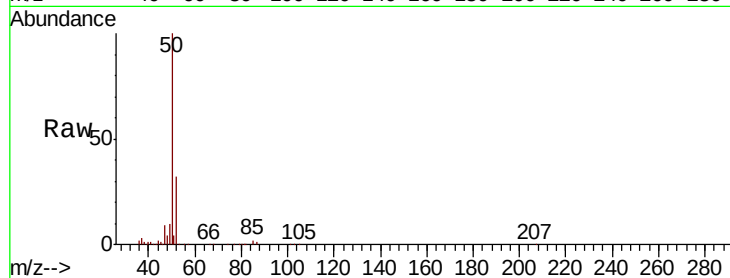
VSTDIC100

Tgt Ion: 50 Resp: 188319

Ion Ratio Lower Upper

50 100

52 32.5 26.8 40.2



#4

Vinyl Chloride

Concen: 101.372 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW006067.D

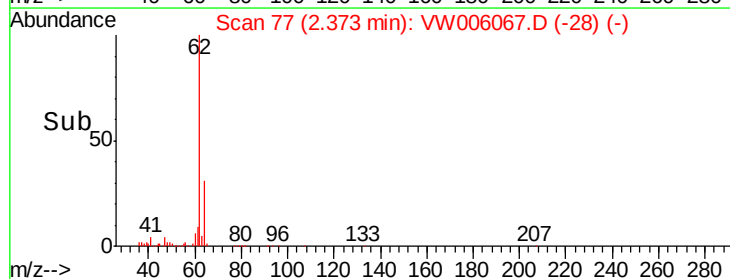
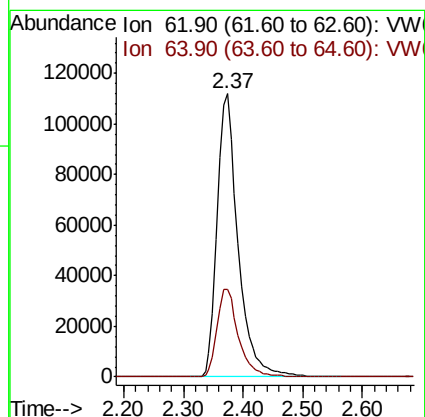
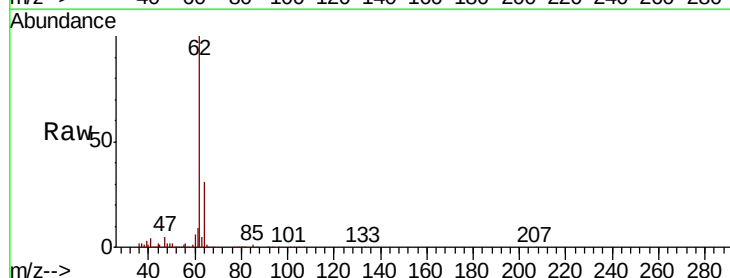
Acq: 15 Oct 2018 19:12

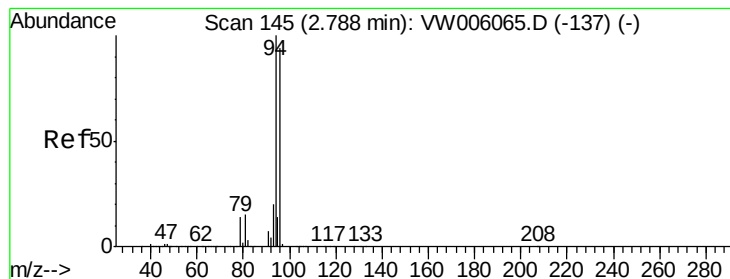
Tgt Ion: 62 Resp: 271747

Ion Ratio Lower Upper

62 100

64 30.9 25.9 38.9





#5

Bromomethane

Concen: 113.773 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

ClientSampleId :

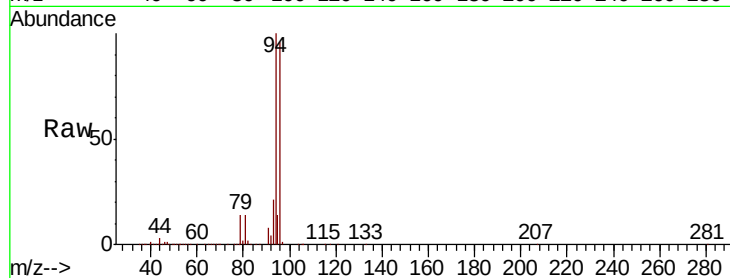
VSTDIC100

Tgt Ion: 94 Resp: 244498

Ion Ratio Lower Upper

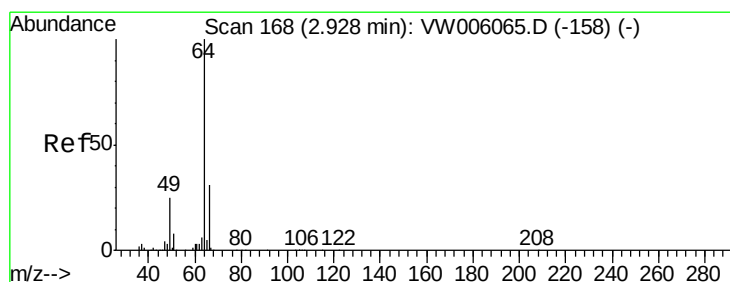
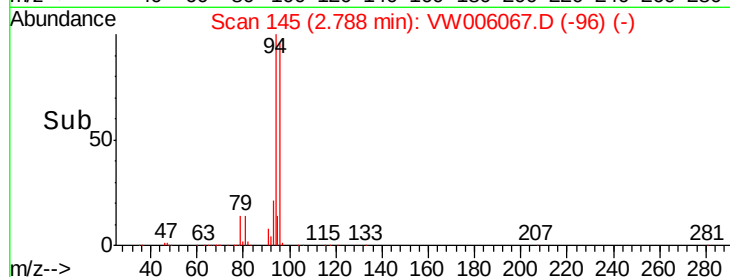
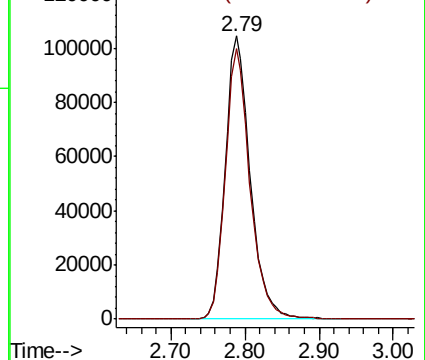
94 100

96 95.7 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 113.644 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW006067.D

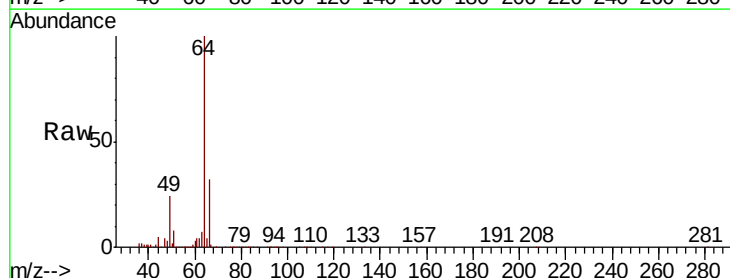
Acq: 15 Oct 2018 19:12

Tgt Ion: 64 Resp: 197870

Ion Ratio Lower Upper

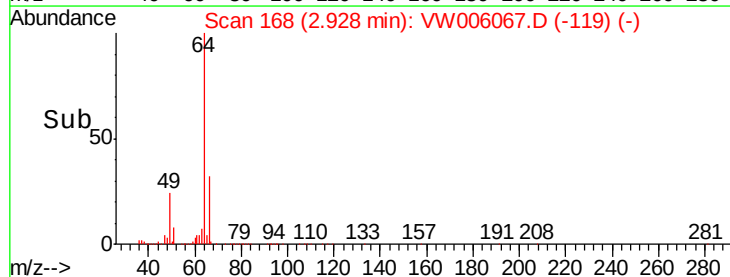
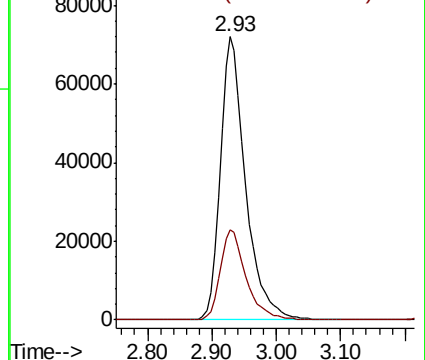
64 100

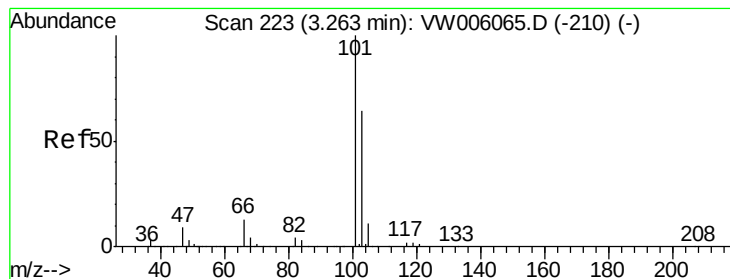
66 31.8 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



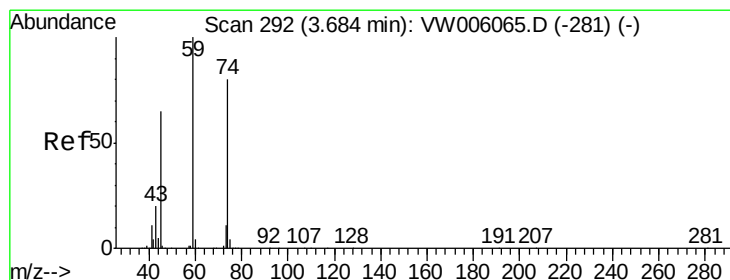
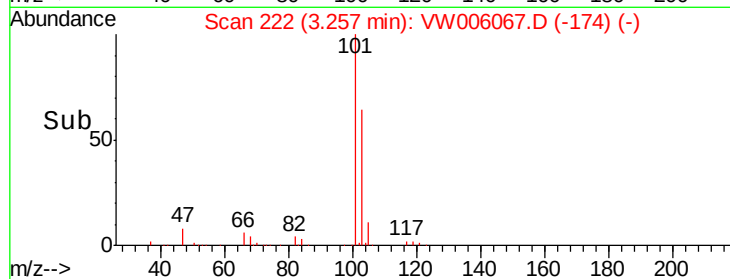
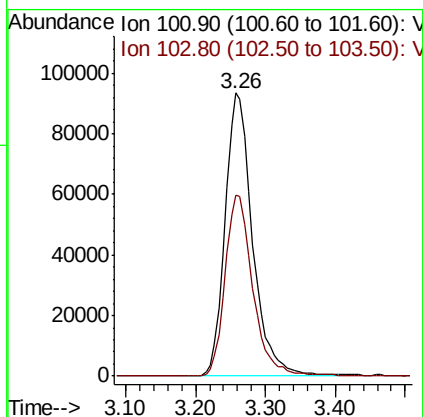
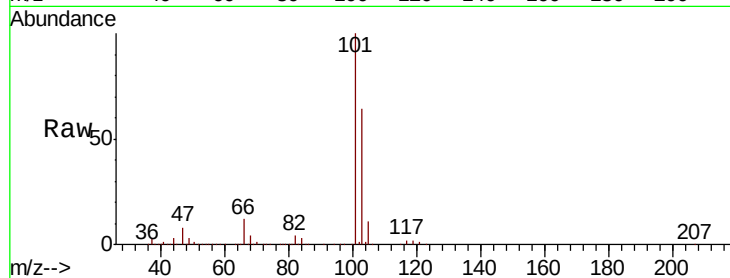


#7

Trichlorofluoromethane
Concen: 116.743 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

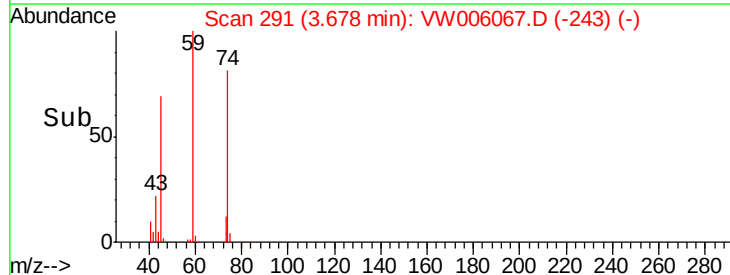
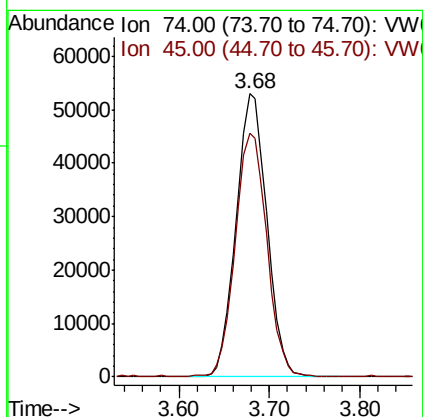
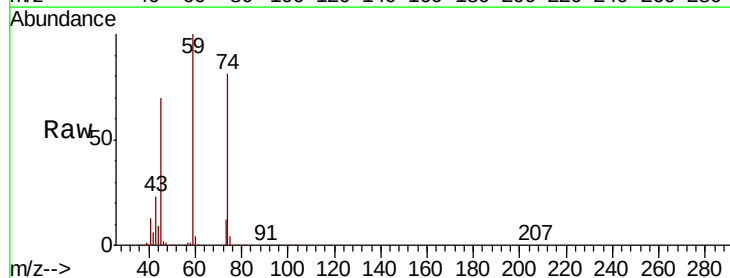
Tgt Ion:101 Resp: 255120
Ion Ratio Lower Upper
101 100
103 63.9 51.2 76.8

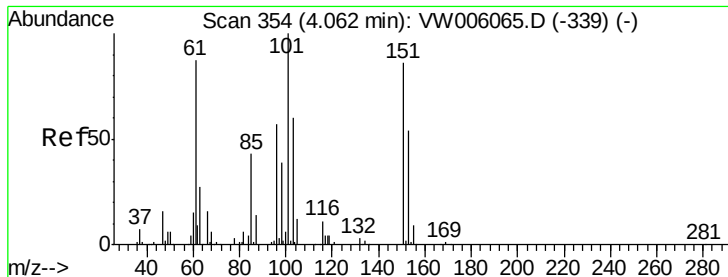


#8

Diethyl Ether
Concen: 93.772 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Tgt Ion: 74 Resp: 124741
Ion Ratio Lower Upper
74 100
45 87.7 42.8 128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 95.205 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

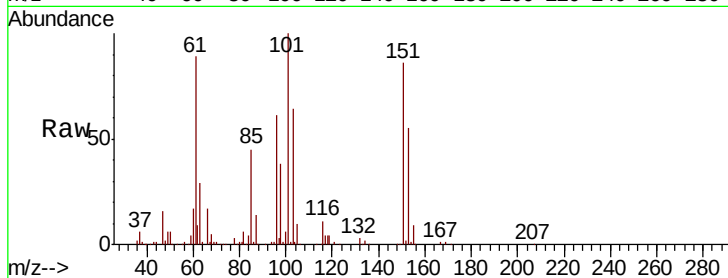
Tgt Ion:101 Resp: 254570

Ion Ratio Lower Upper

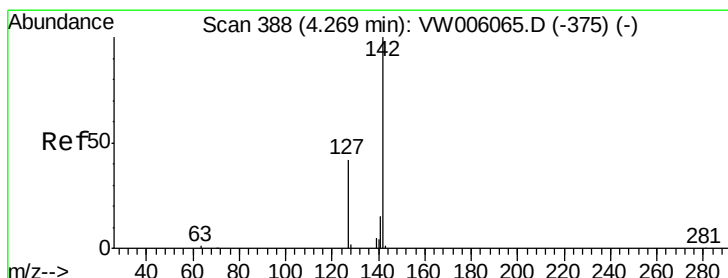
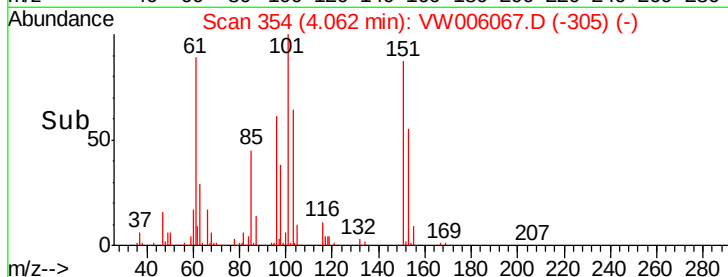
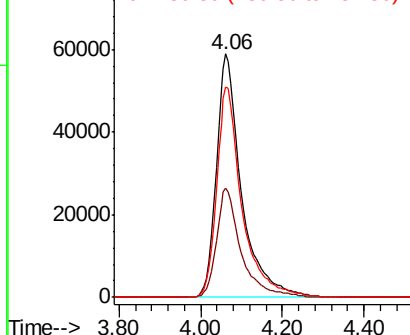
101 100

85 43.9 34.9 52.3

151 86.9 70.4 105.6



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



#10

Methyl Iodide

Concen: 98.912 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

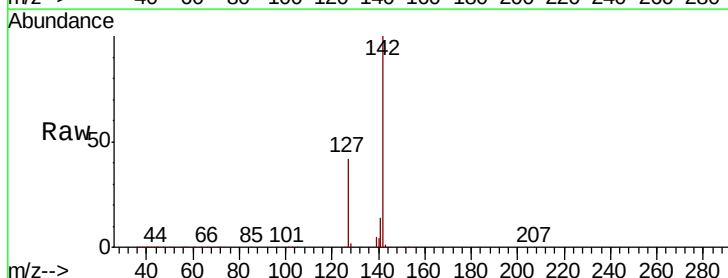
Tgt Ion:142 Resp: 434166

Ion Ratio Lower Upper

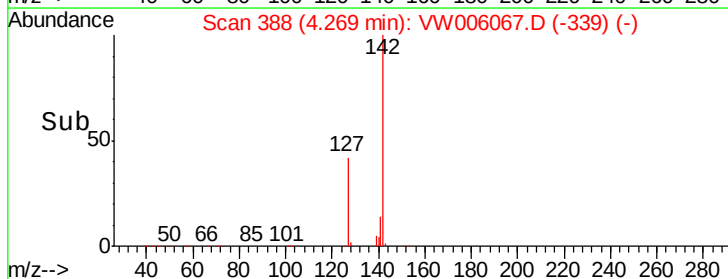
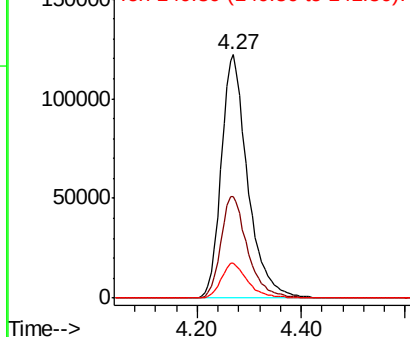
142 100

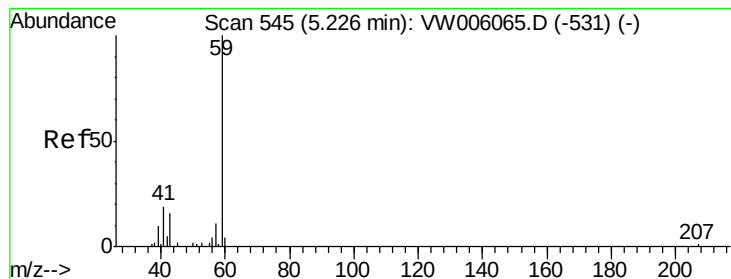
127 42.3 33.6 50.4

141 14.3 11.6 17.4



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: 398.535 ug/l

RT: 5.23 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

ClientSampleId :

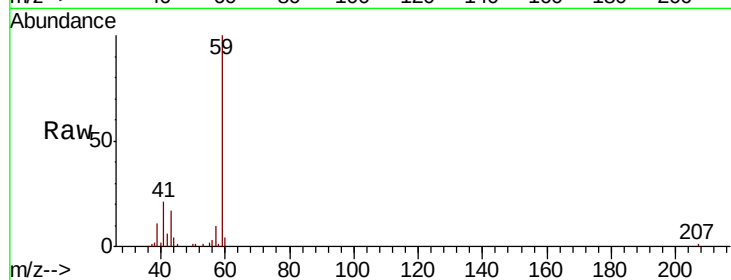
VSTDIC100

Tgt Ion: 59 Resp: 80383

Ion Ratio Lower Upper

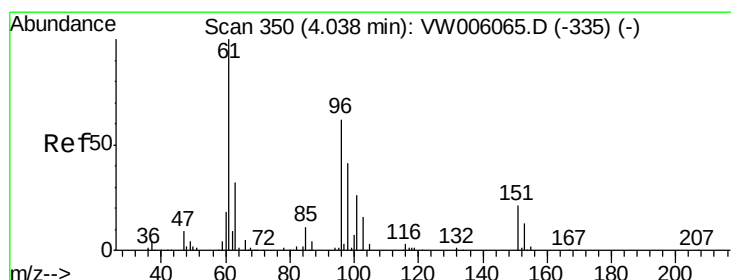
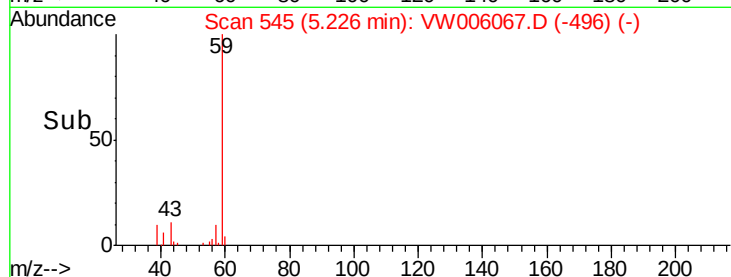
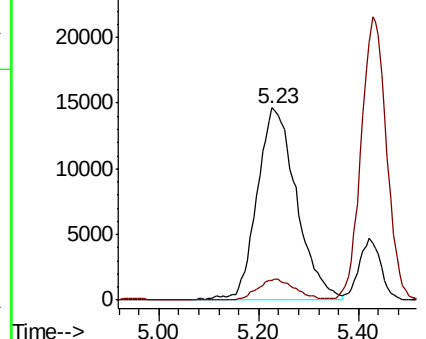
59 100

57 10.4 8.7 13.1



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 93.909 ug/l

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

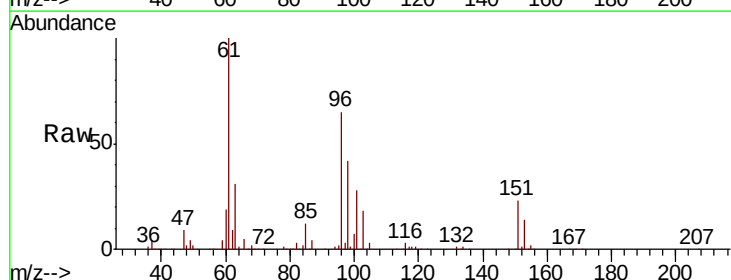
Tgt Ion: 96 Resp: 239888

Ion Ratio Lower Upper

96 100

61 154.6 129.3 193.9

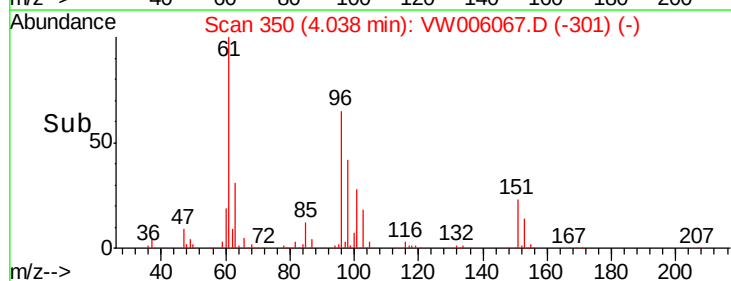
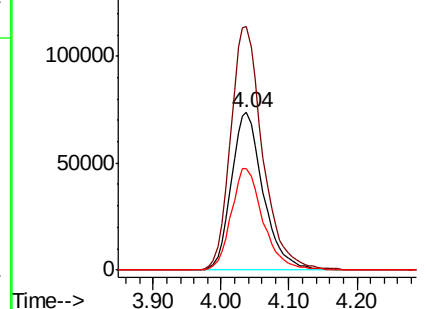
98 64.6 53.1 79.7

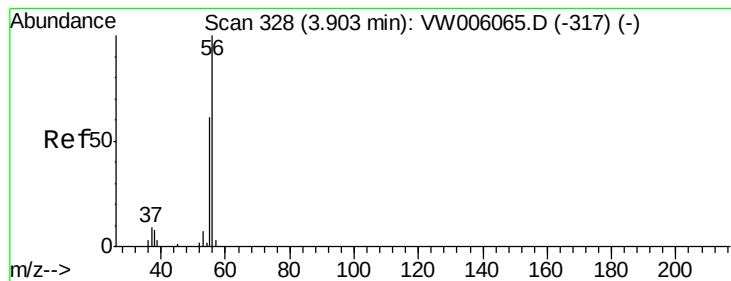


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#13

Acrolein

Concen: 402.012 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

ClientSampleId :

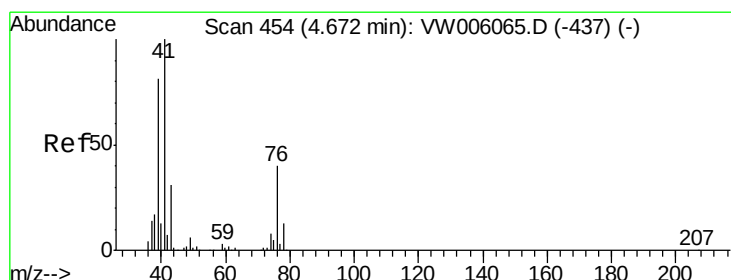
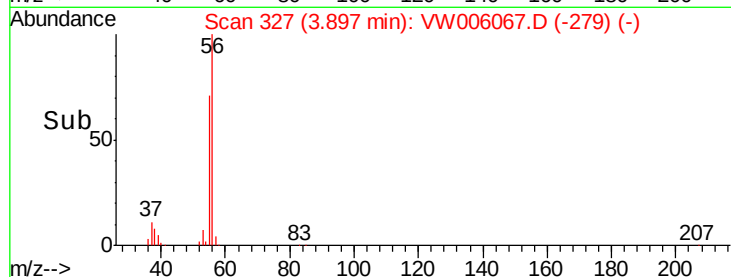
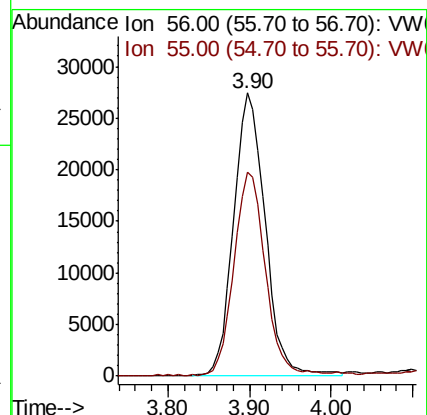
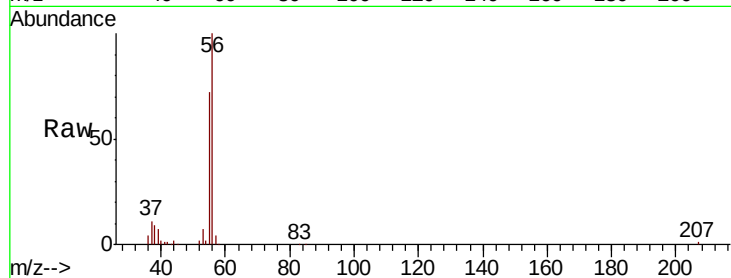
VSTDIC100

Tgt Ion: 56 Resp: 73677

Ion Ratio Lower Upper

56 100

55 70.5 54.5 81.7



#14

Allyl chloride

Concen: 81.243 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

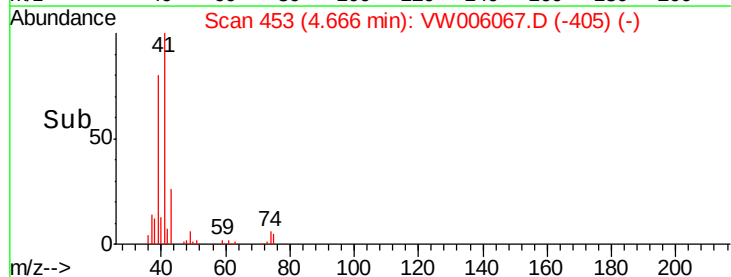
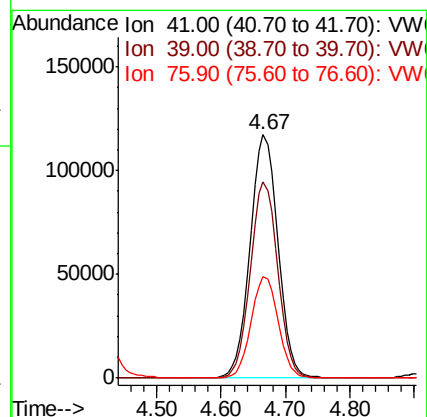
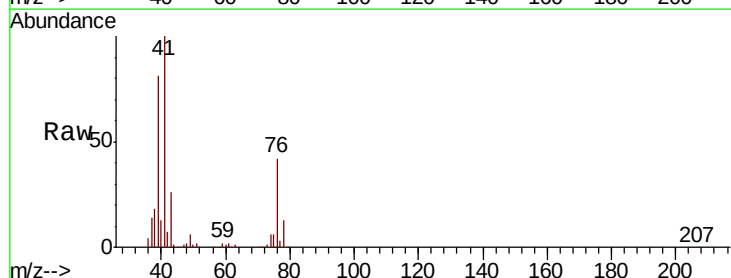
Tgt Ion: 41 Resp: 347235

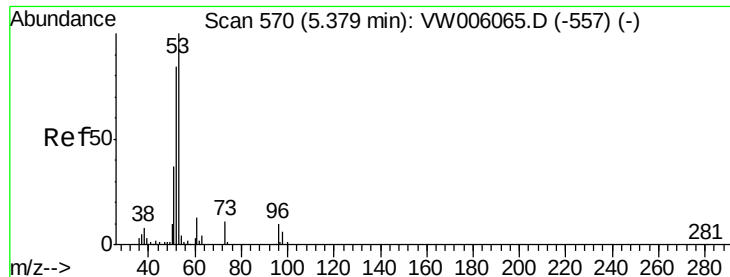
Ion Ratio Lower Upper

41 100

39 79.3 64.1 96.1

76 40.6 32.2 48.4

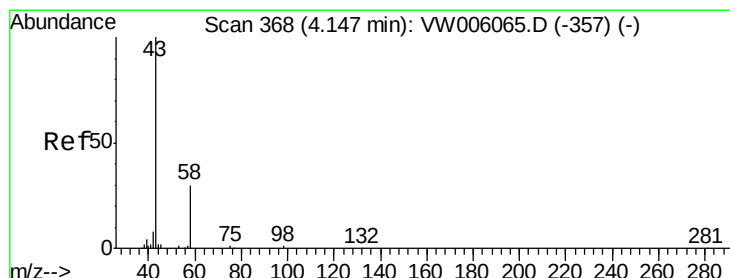
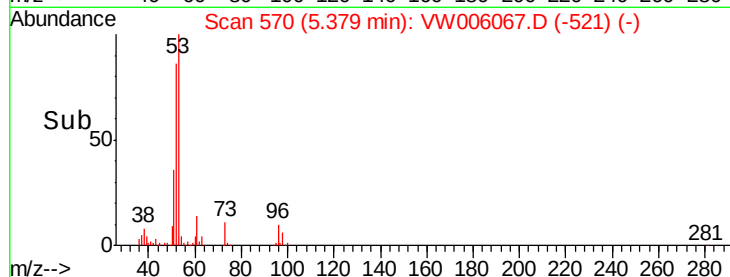
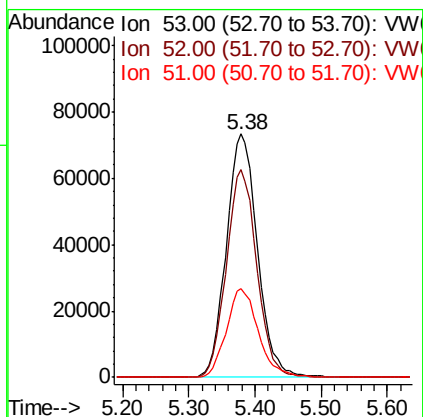
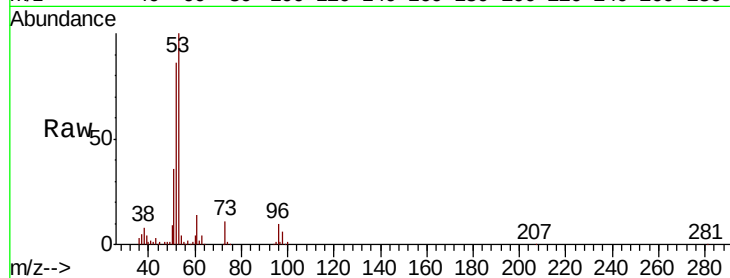




#15
 Acrylonitrile
 Concen: 429.101 ug/l
 RT: 5.38 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VW006067.D
 Acq: 15 Oct 2018 19:12

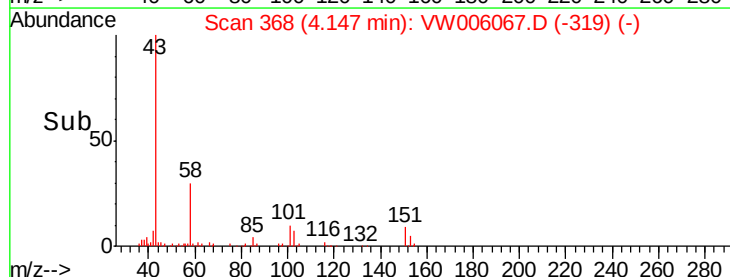
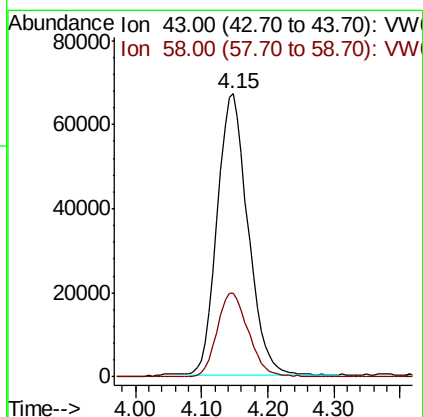
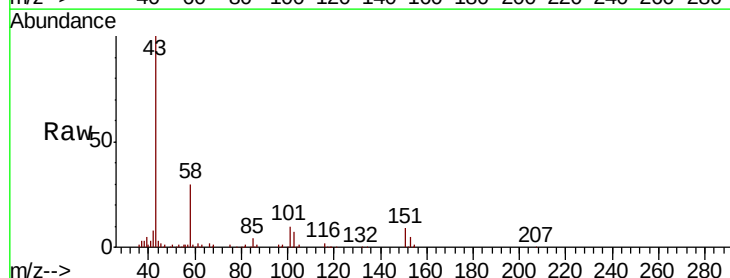
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

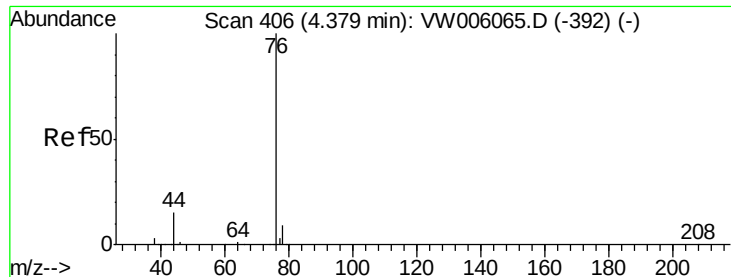
Tgt Ion:	53	Resp:	238532
Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.9	100.3
51	37.4	30.1	45.1



#16
 Acetone
 Concen: 394.063 ug/l
 RT: 4.15 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VW006067.D
 Acq: 15 Oct 2018 19:12

Tgt Ion:	43	Resp:	215220
Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.0	36.0





#17

Carbon Disulfide

Concen: 95.355 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

ClientSampleId :

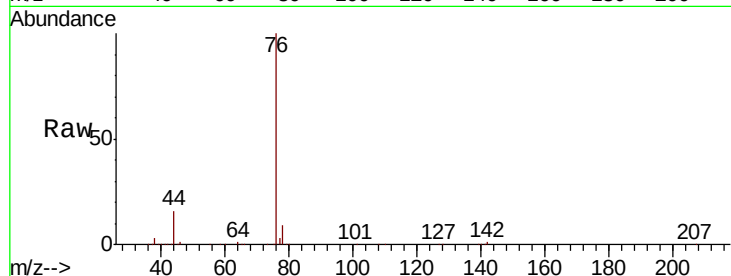
VSTDIC100

Tgt Ion: 76 Resp: 736179

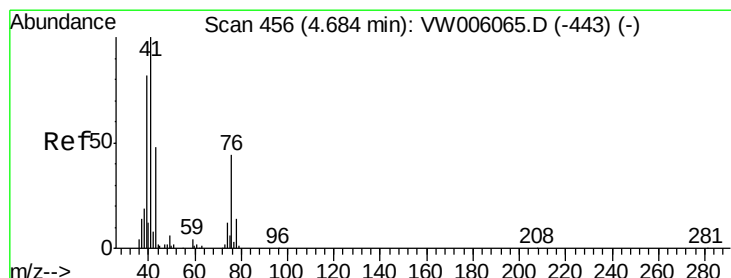
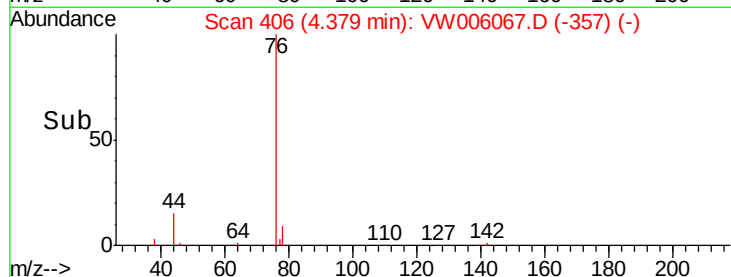
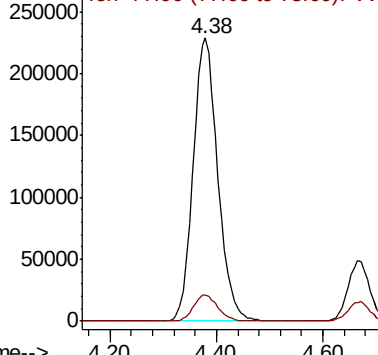
Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VW
Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 86.963 ug/l

RT: 4.68 min Scan# 456

Delta R.T. -0.01 min

Lab File: VW006067.D

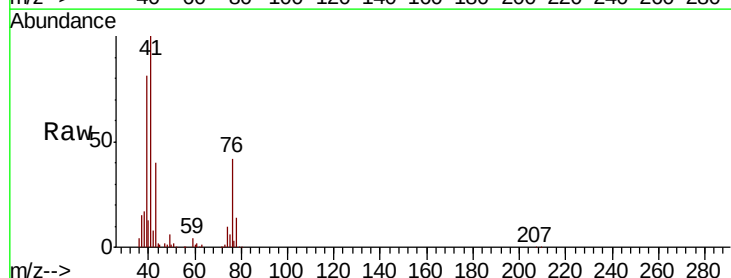
Acq: 15 Oct 2018 19:12

Tgt Ion: 43 Resp: 121677

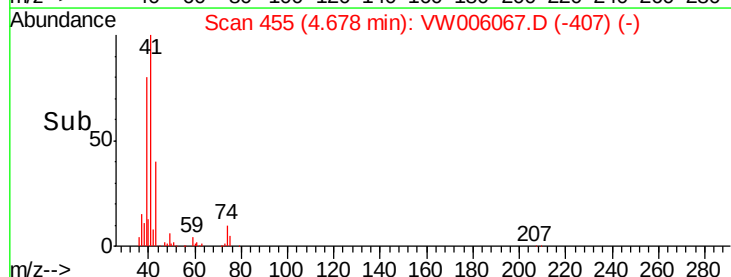
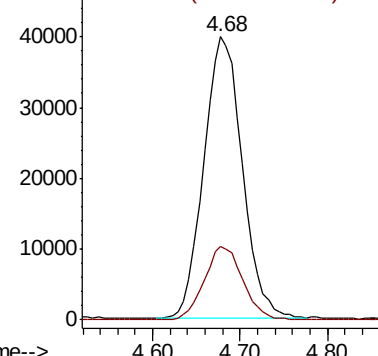
Ion Ratio Lower Upper

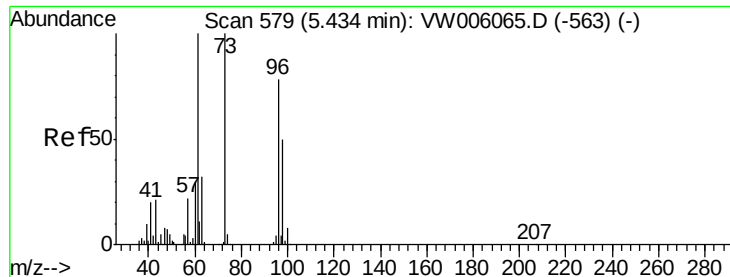
43 100

74 26.0 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 74.00 (73.70 to 74.70): VW



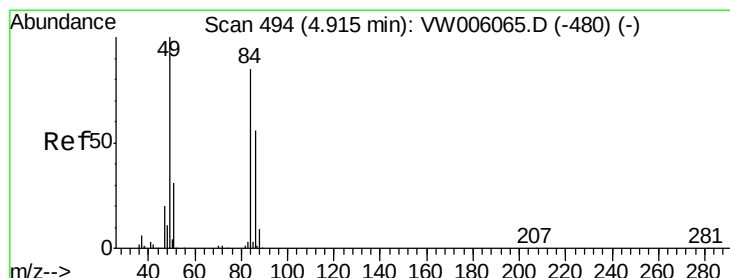
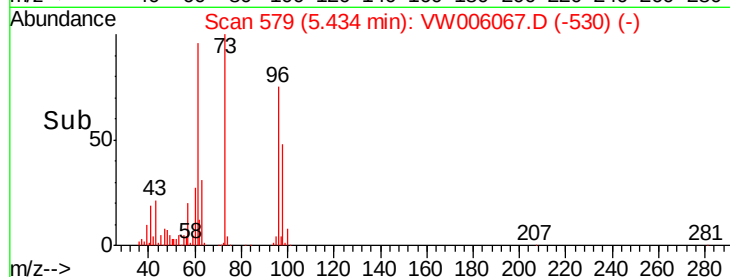
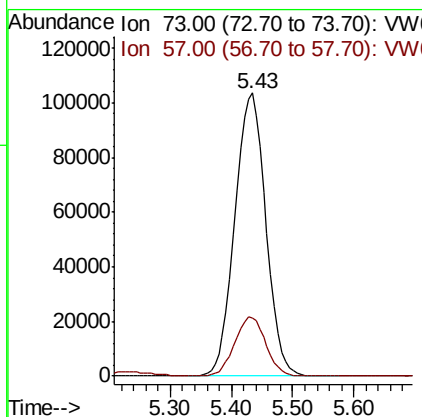
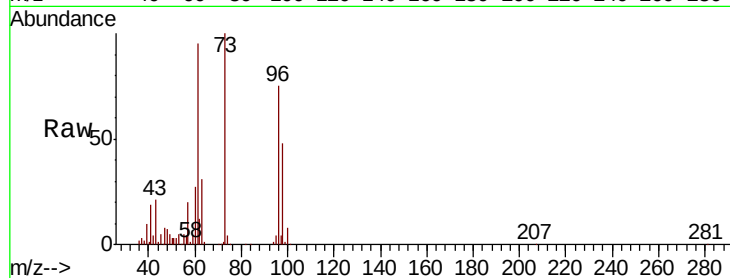


#19

Methyl tert-butyl Ether
 Concen: 91.322 ug/l
 RT: 5.43 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: VW006067.D
 Acq: 15 Oct 2018 19:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

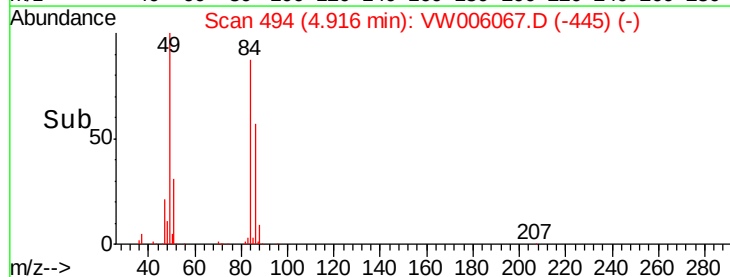
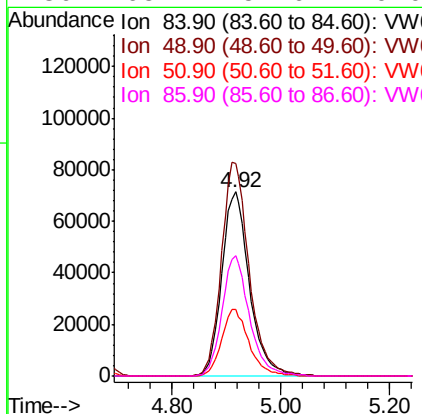
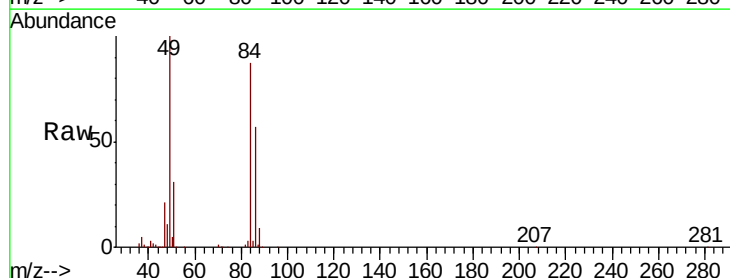
Tgt Ion: 73 Resp: 362507
 Ion Ratio Lower Upper
 73 100
 57 20.4 17.4 26.2

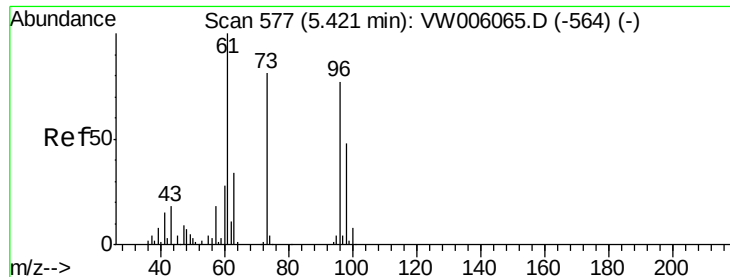


#20

Methylene Chloride
 Concen: 89.197 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW006067.D
 Acq: 15 Oct 2018 19:12

Tgt Ion: 84 Resp: 252805
 Ion Ratio Lower Upper
 84 100
 49 115.1 93.6 140.4
 51 36.1 29.0 43.4
 86 65.4 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 95.878 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

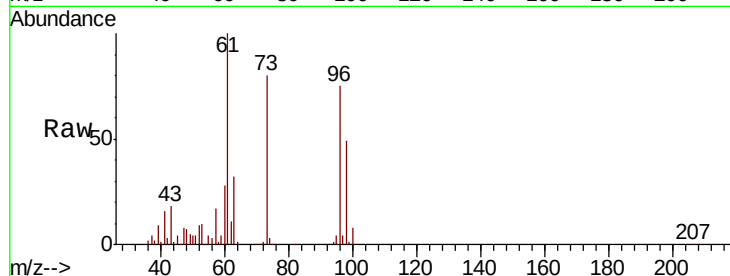
Tgt Ion: 96 Resp: 267729

Ion Ratio Lower Upper

96 100

61 133.8 104.5 156.7

98 65.3 50.6 75.8

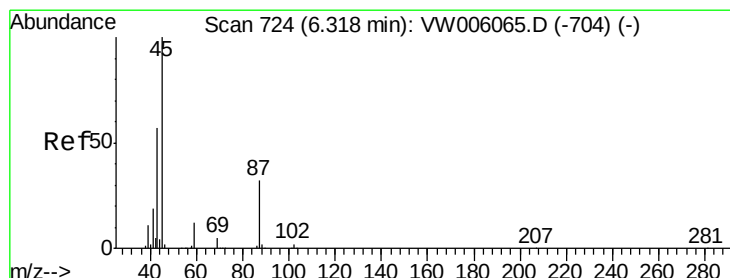
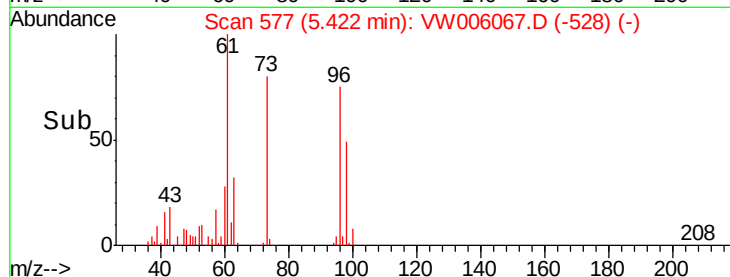
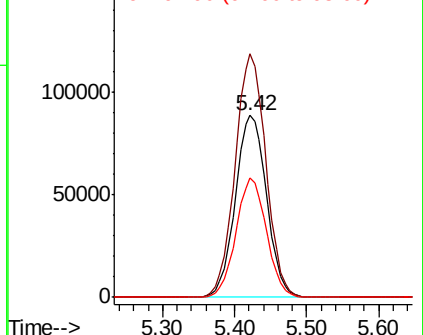


Abundance

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: 87.485 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Tgt Ion: 45 Resp: 703088

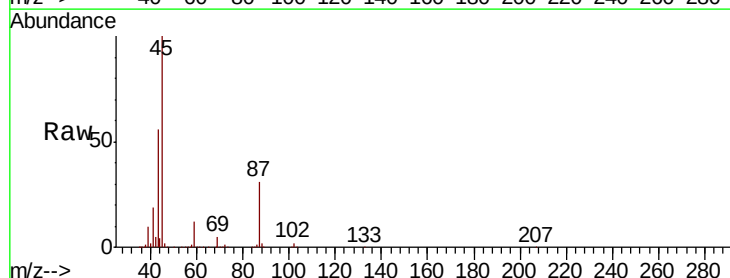
Ion Ratio Lower Upper

45 100

43 55.9 45.7 68.5

87 31.1 25.9 38.9

59 12.1 9.6 14.4



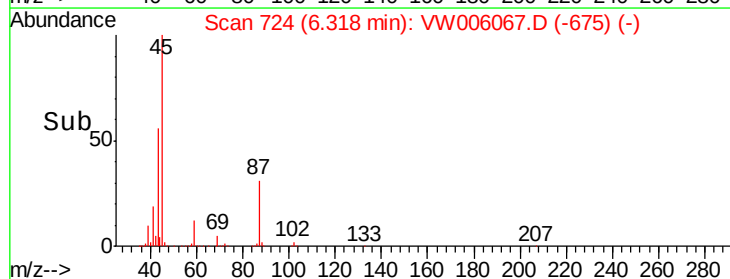
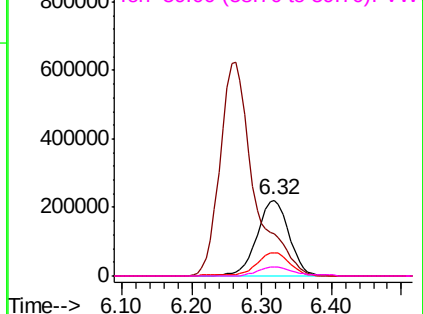
Abundance

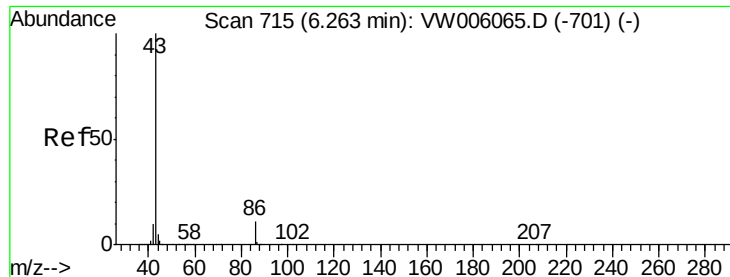
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 428.920 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

ClientSampleId :

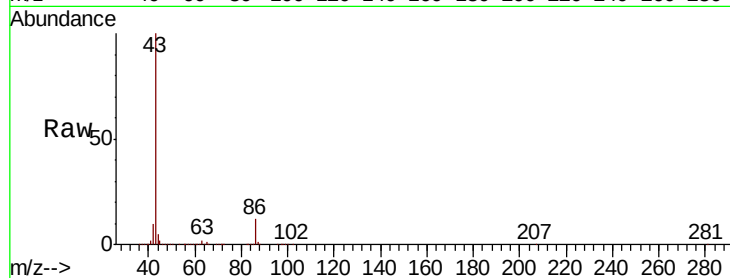
VSTDIC100

Tgt Ion: 43 Resp: 2105249

Ion Ratio Lower Upper

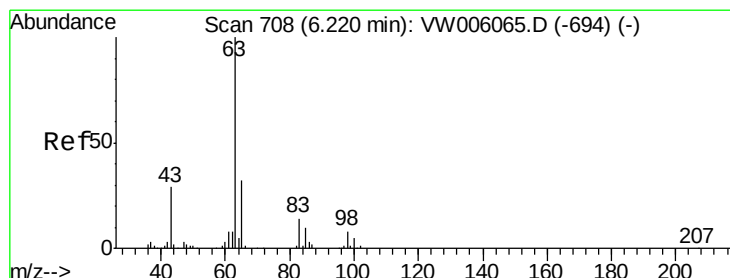
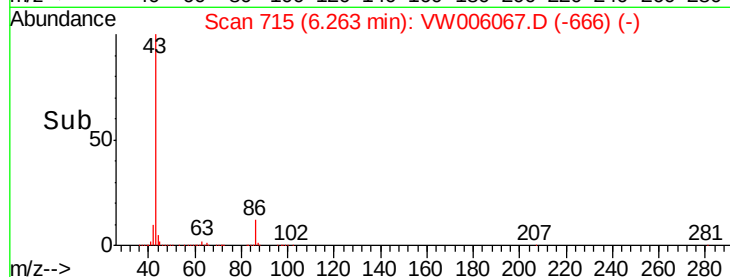
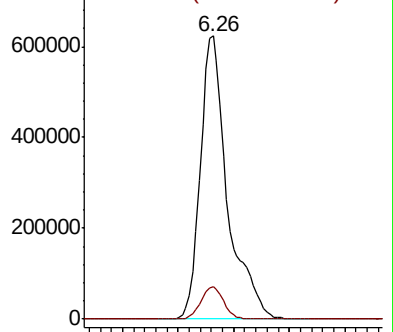
43 100

86 11.6 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 90.139 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

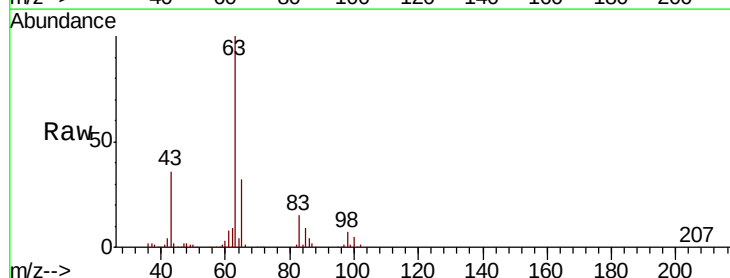
Tgt Ion: 63 Resp: 446824

Ion Ratio Lower Upper

63 100

98 7.4 3.8 11.2

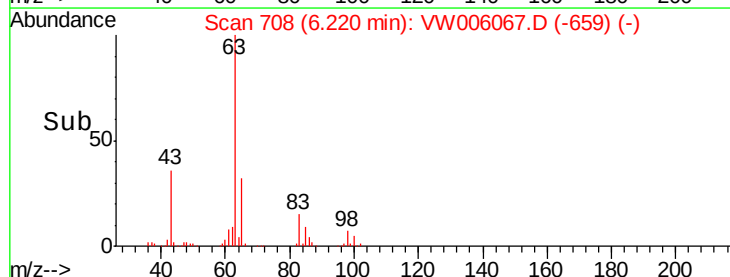
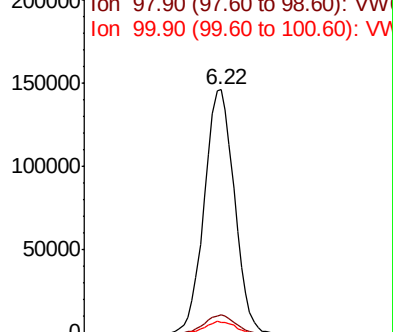
100 4.5 2.5 7.5

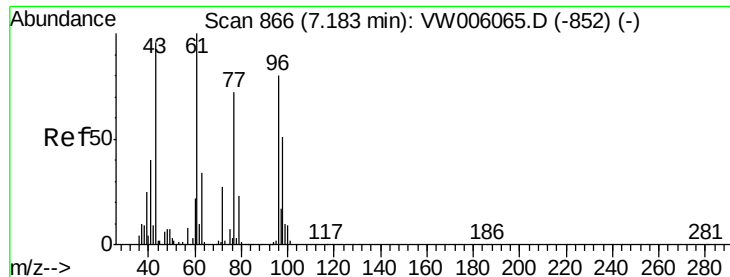


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 405.506 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

ClientSampled :

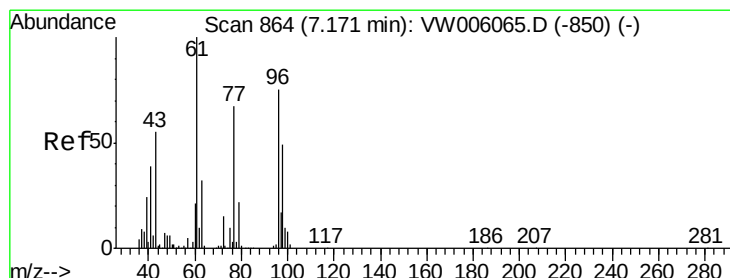
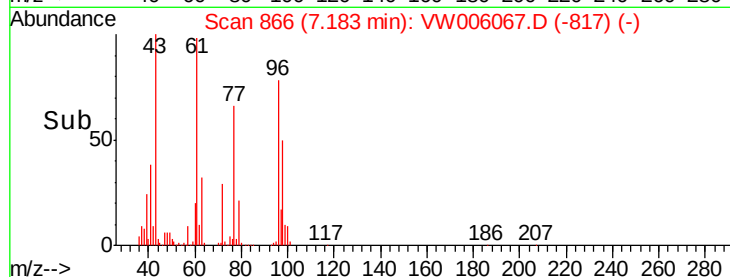
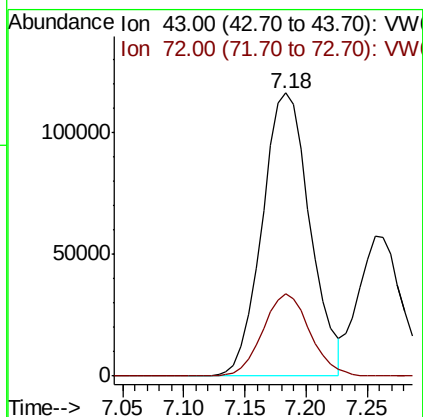
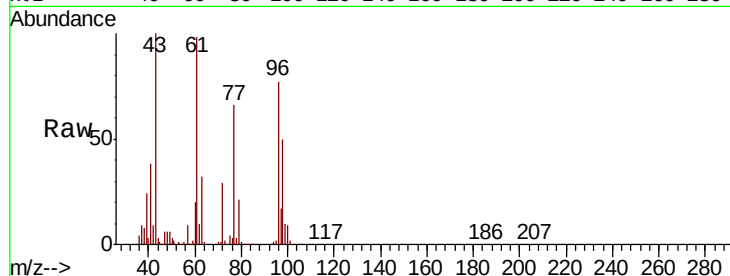
VSTDICC100

Tgt Ion: 43 Resp: 316845

Ion Ratio Lower Upper

43 100

72 29.0 22.8 34.2



#26

2,2-Dichloropropane

Concen: 83.467 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006067.D

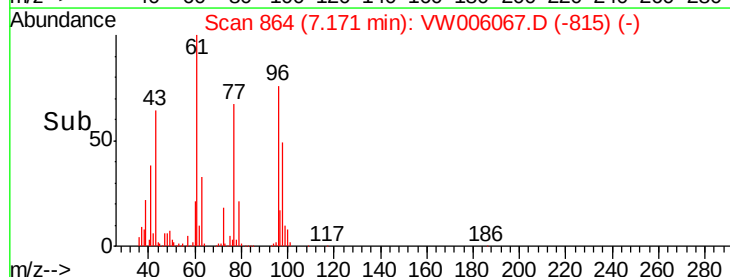
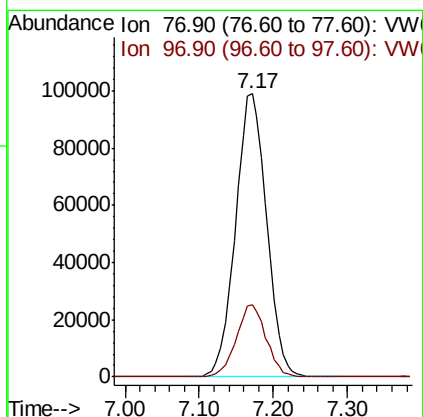
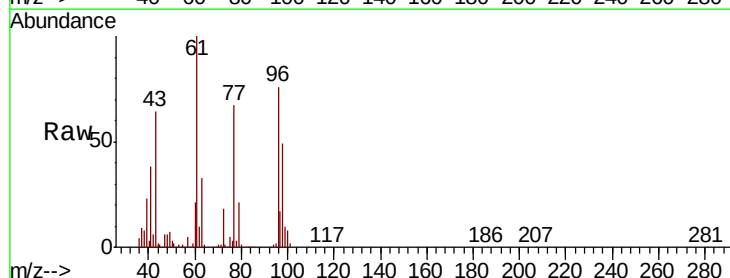
Acq: 15 Oct 2018 19:12

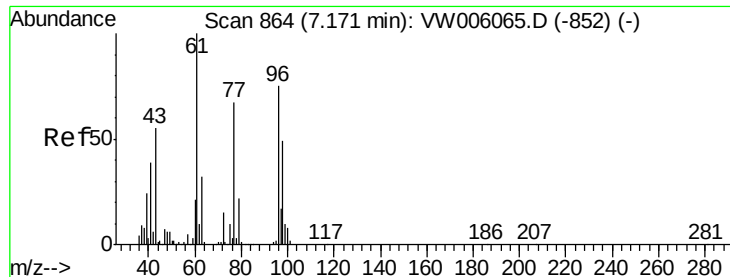
Tgt Ion: 77 Resp: 289398

Ion Ratio Lower Upper

77 100

97 24.4 12.2 36.4



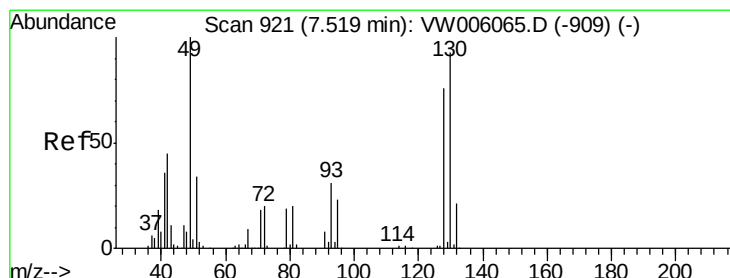
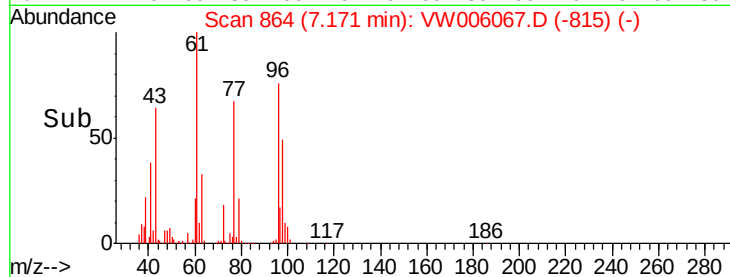
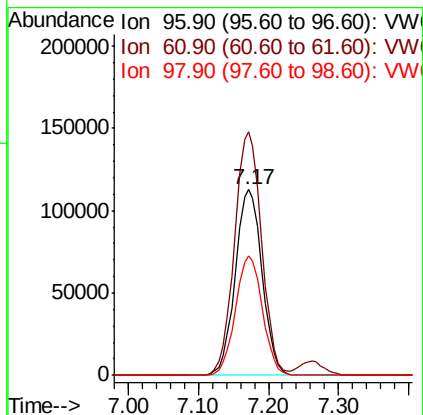
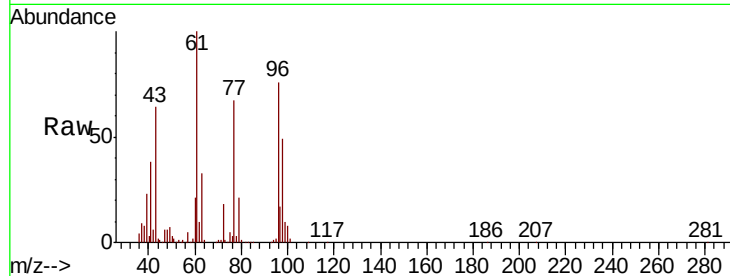


#27

cis-1,2-Dichloroethene
Concen: 95.029 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

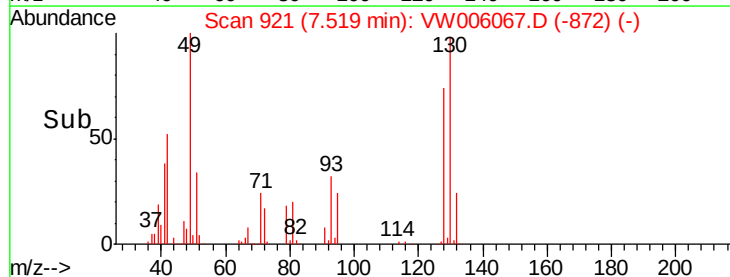
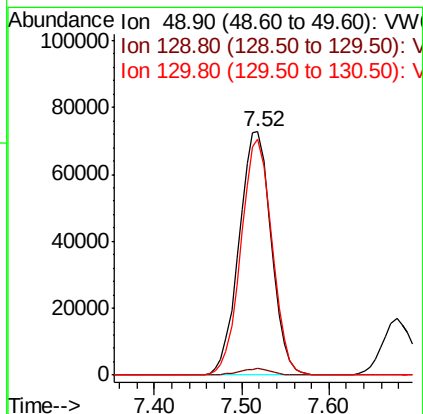
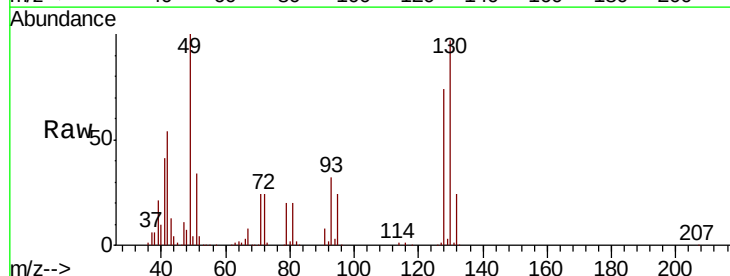
Tgt Ion	Ratio	Lower	Upper
96	100		
61	132.3	0.0	267.2
98	64.7	0.0	128.6

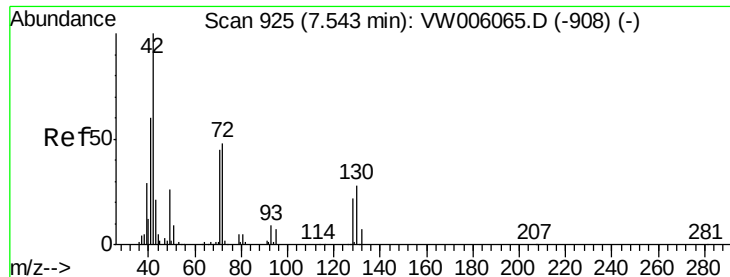


#28

Bromochloromethane
Concen: 98.852 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.0
130	93.8	73.8	110.8





#29

Tetrahydrofuran

Concen: 416.722 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.01 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

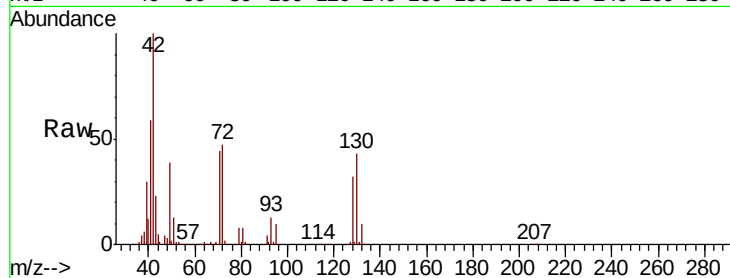
Tgt Ion: 42 Resp: 205983

Ion Ratio Lower Upper

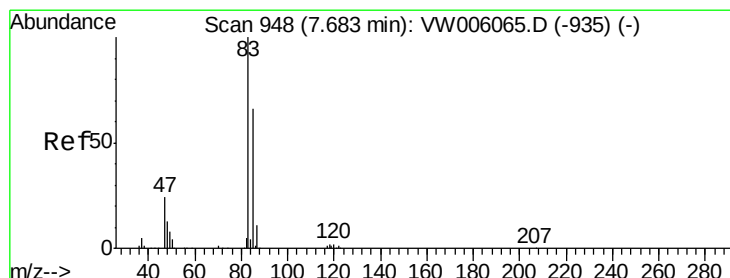
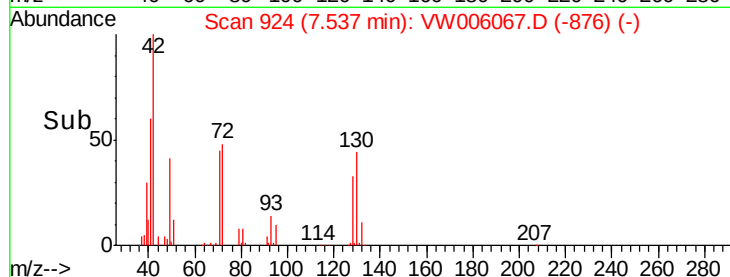
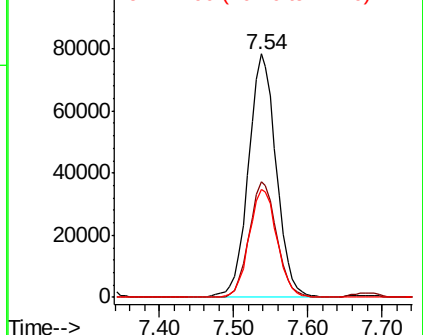
42 100

72 46.5 38.0 57.0

71 44.1 35.3 52.9



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



#30

Chloroform

Concen: 95.400 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW006067.D

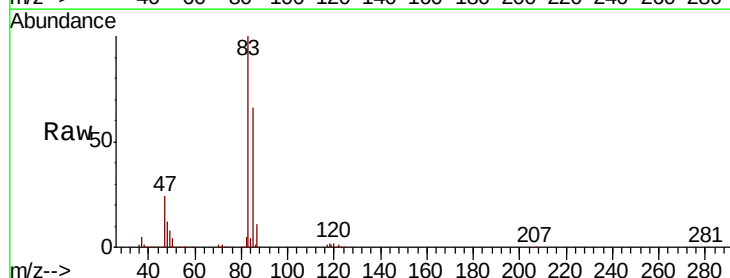
Acq: 15 Oct 2018 19:12

Tgt Ion: 83 Resp: 488964

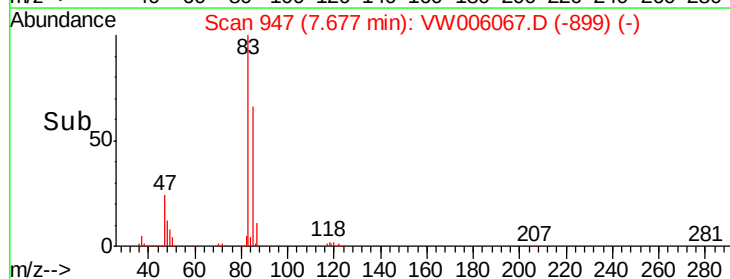
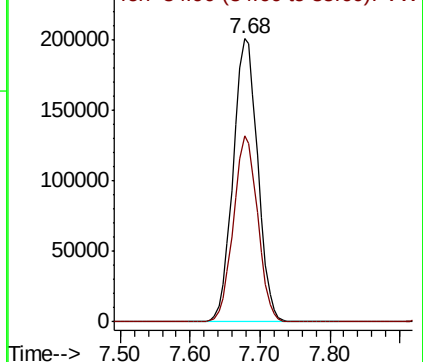
Ion Ratio Lower Upper

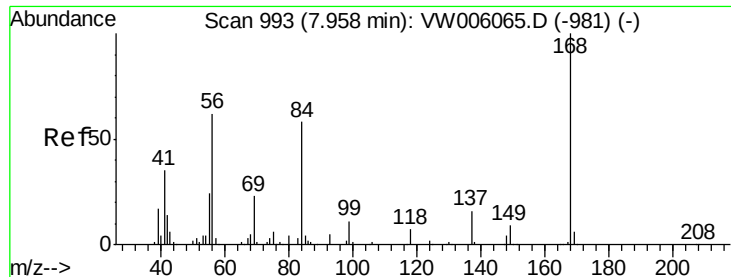
83 100

85 65.7 52.6 79.0



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

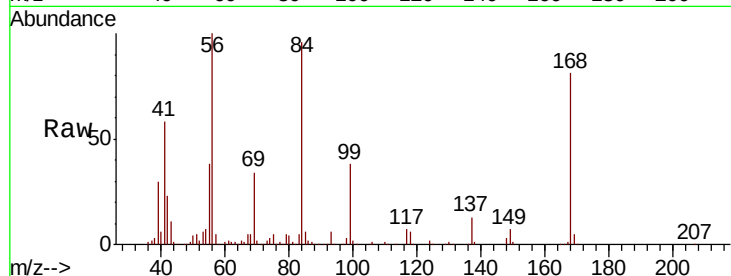




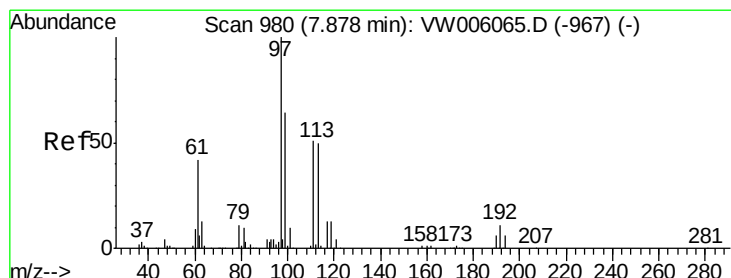
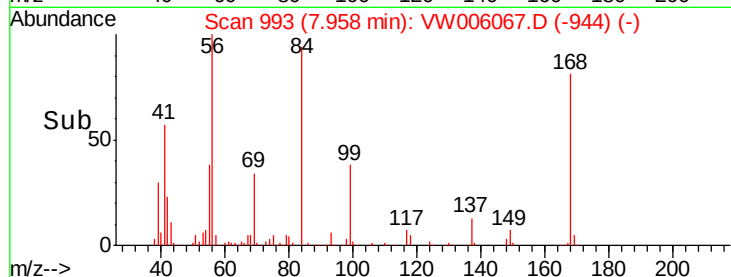
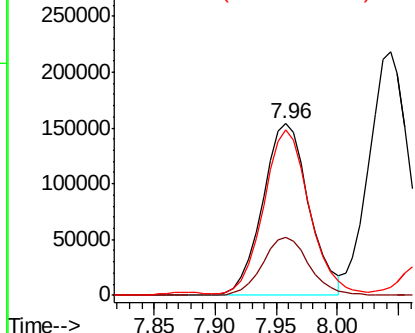
#31
Cyclohexane
Concen: 82.733 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion: 56 Resp: 404668
Ion Ratio Lower Upper
56 100
69 34.0 29.4 44.0
84 94.5 74.0 111.0

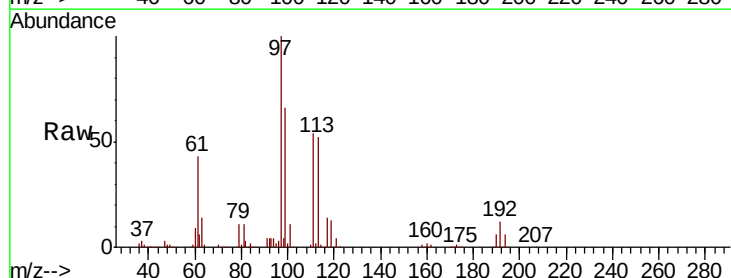


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

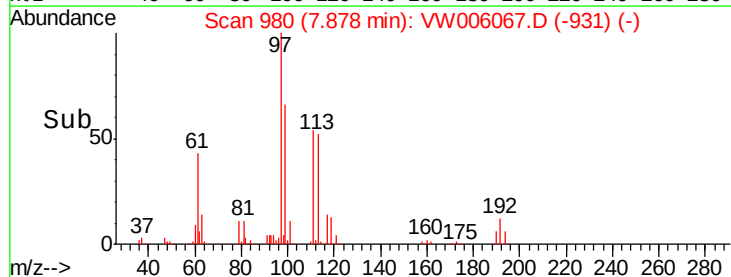
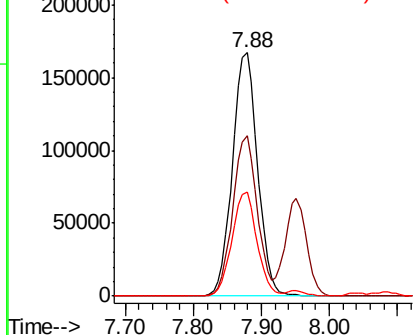


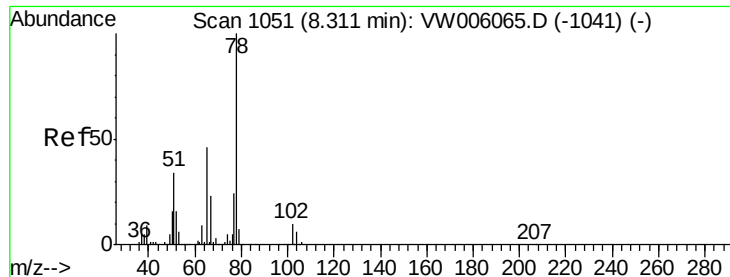
#32
1,1,1-Trichloroethane
Concen: 93.765 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Tgt Ion: 97 Resp: 428694
Ion Ratio Lower Upper
97 100
99 64.1 50.9 76.3
61 42.3 33.7 50.5



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

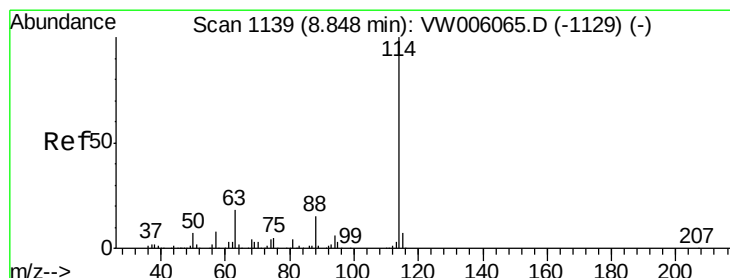
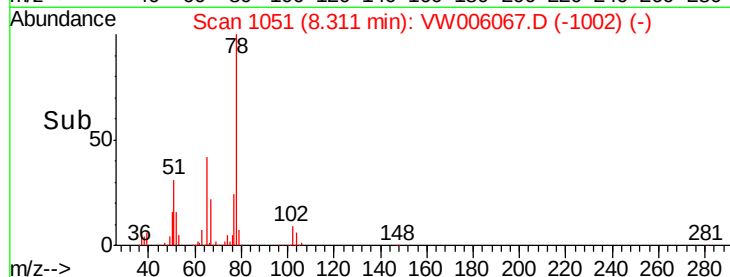
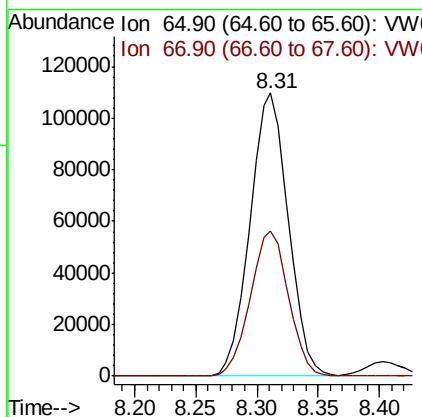
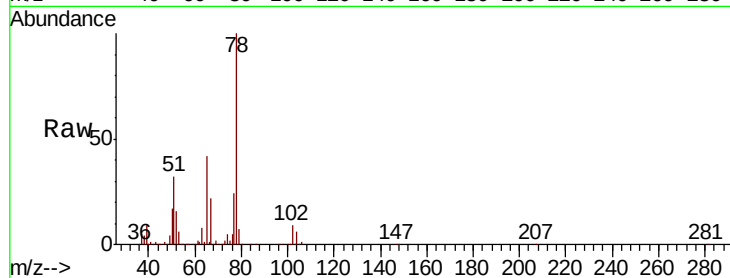




#33
 1,2-Dichloroethane-d4
 Concen: 85.371 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006067.D
 Acq: 15 Oct 2018 19:12

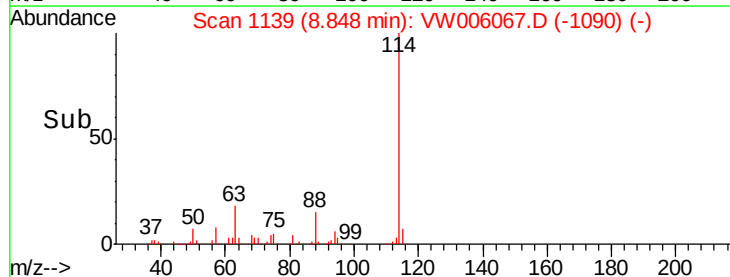
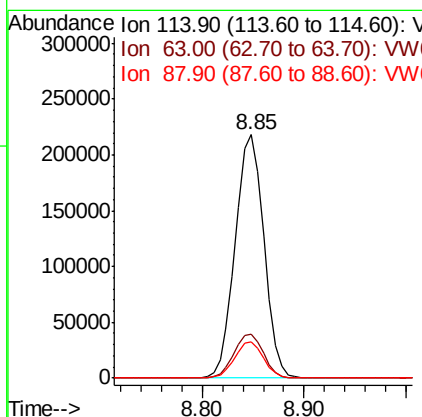
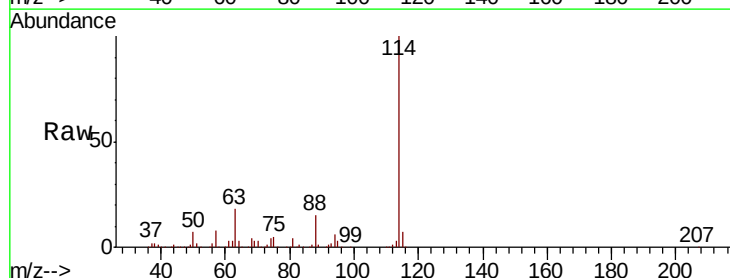
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

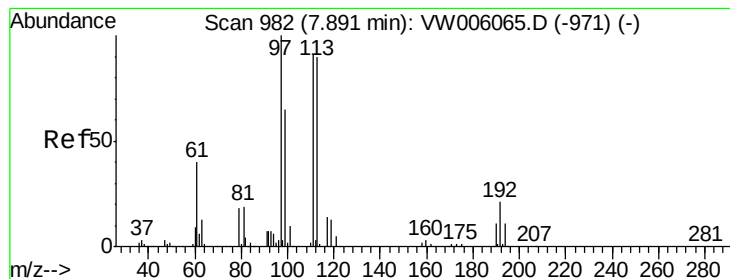
Tgt Ion: 65 Resp: 238176
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006067.D
 Acq: 15 Oct 2018 19:12

Tgt Ion: 114 Resp: 425795
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 36.8
 88 14.6 0.0 29.0





#35

Dibromofluoromethane

Concen: 90.069 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

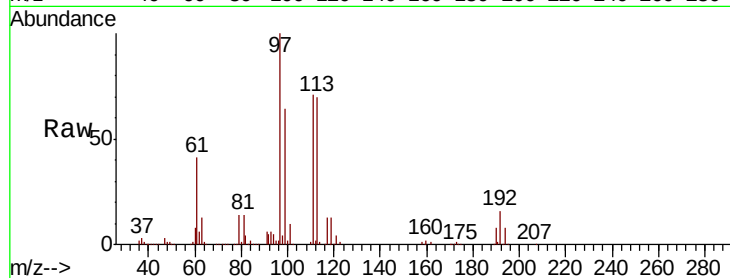
Tgt Ion: 113 Resp: 241838

Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.0

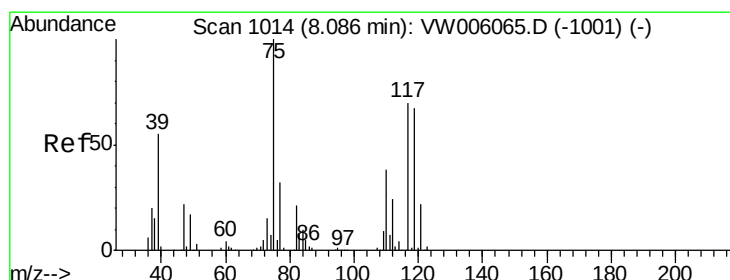
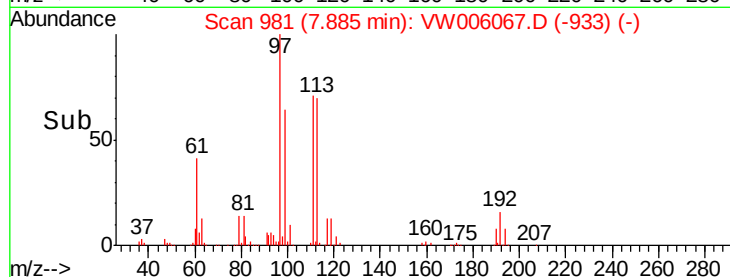
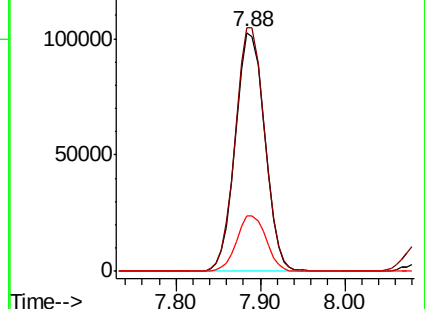
192 23.4 18.7 28.1



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: 94.066 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

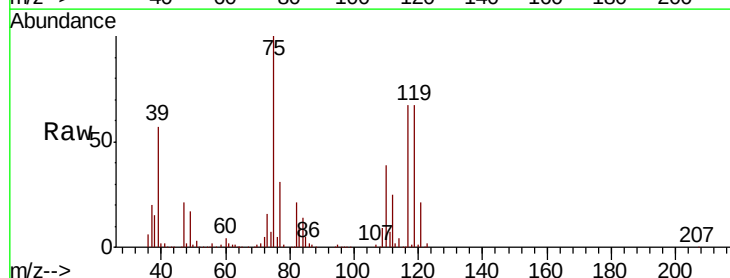
Tgt Ion: 75 Resp: 378863

Ion Ratio Lower Upper

75 100

110 37.6 19.1 57.1

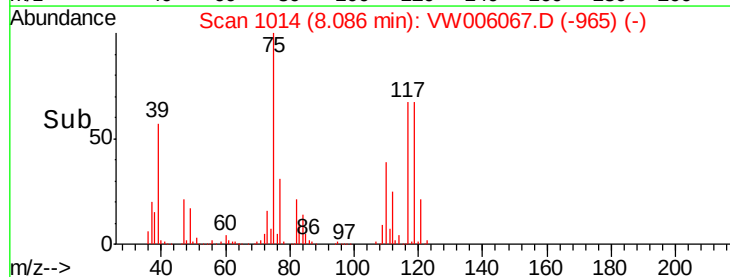
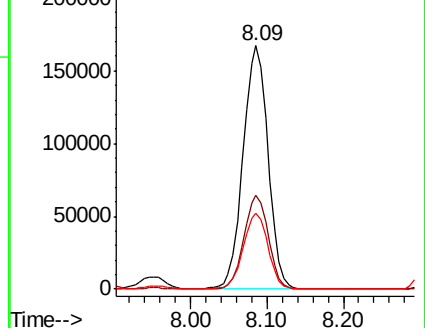
77 31.0 25.0 37.4

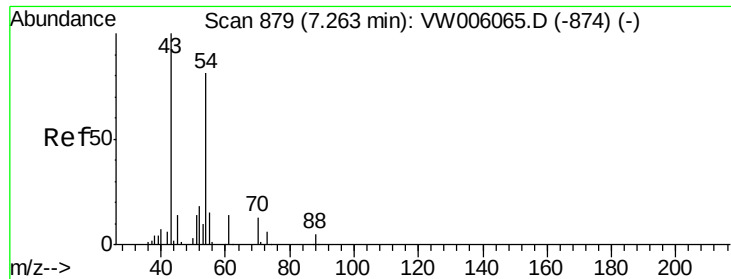


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

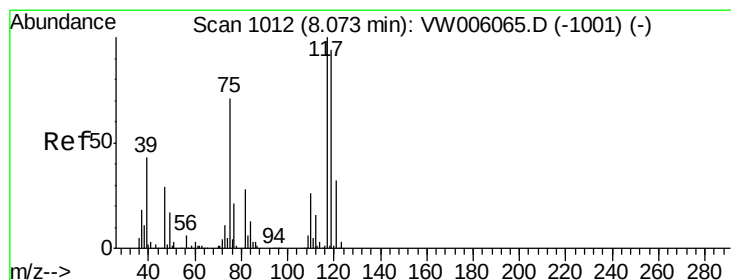
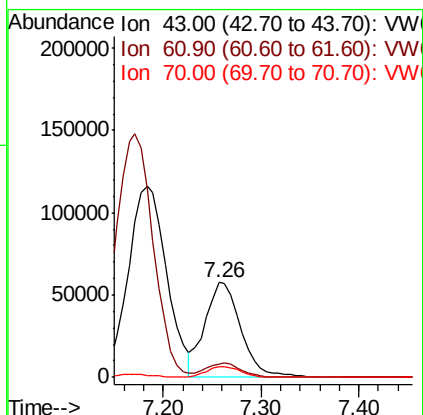
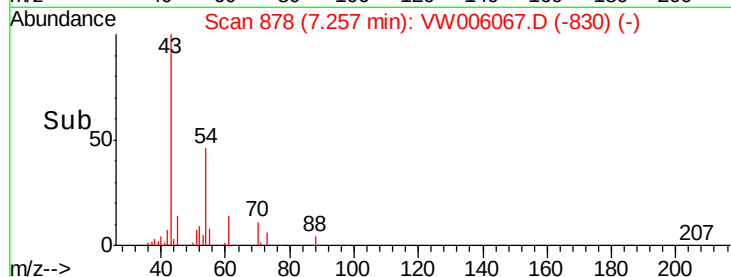
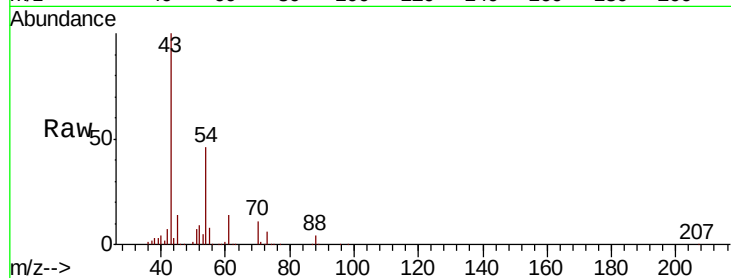




#37
Ethyl Acetate
Concen: 87.107 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.01 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

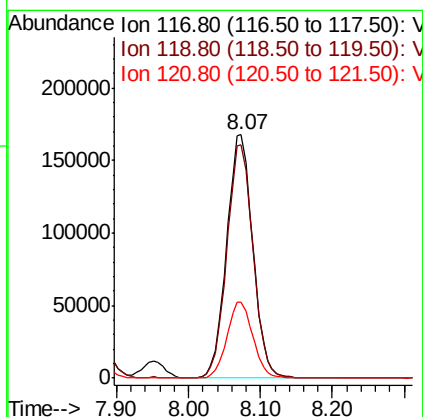
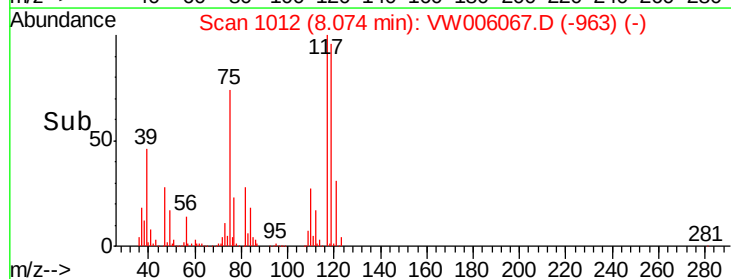
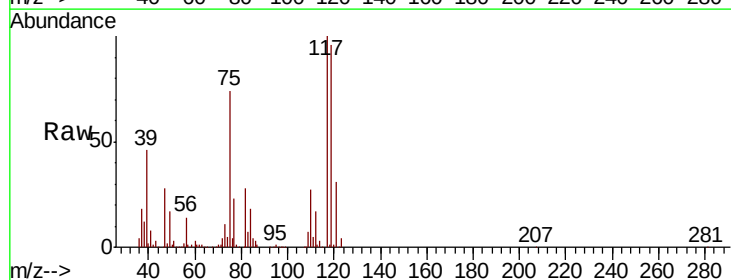
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

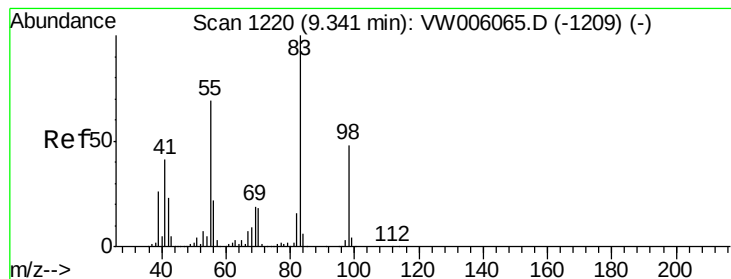
Tgt Ion: 43 Resp: 145835
Ion Ratio Lower Upper
43 100
61 14.8 11.5 17.3
70 11.5 9.2 13.8



#38
Carbon Tetrachloride
Concen: 97.518 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Tgt Ion: 117 Resp: 423361
Ion Ratio Lower Upper
117 100
119 95.8 75.2 112.8
121 31.1 25.3 37.9





#39

Methylcyclohexane

Concen: 95.010 ug/l

RT: 9.34 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

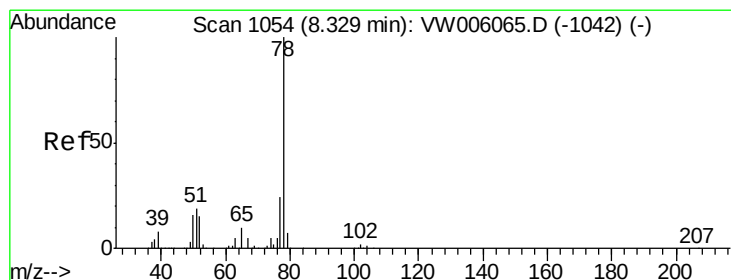
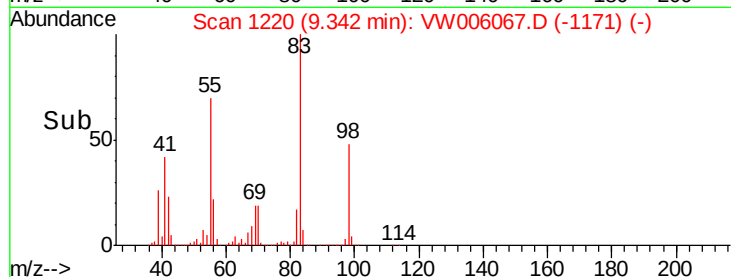
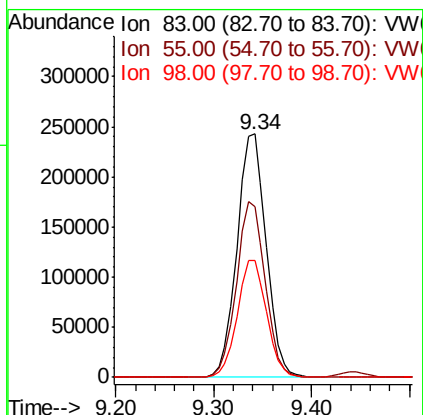
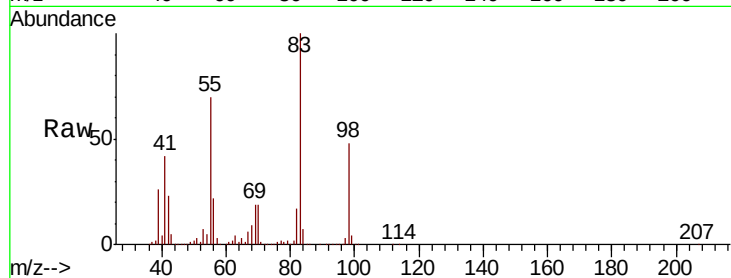
Tgt Ion: 83 Resp: 504006

Ion Ratio Lower Upper

83 100

55 70.3 55.0 82.6

98 47.9 38.6 57.8



#40

Benzene

Concen: 95.584 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VW006067.D

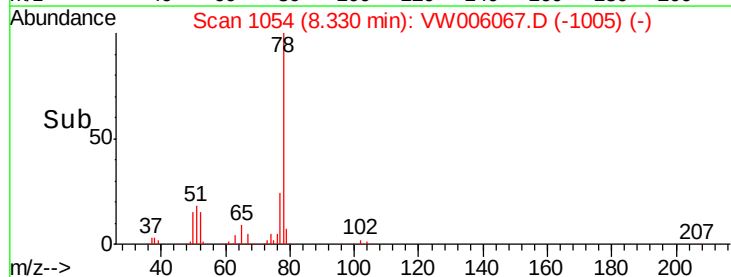
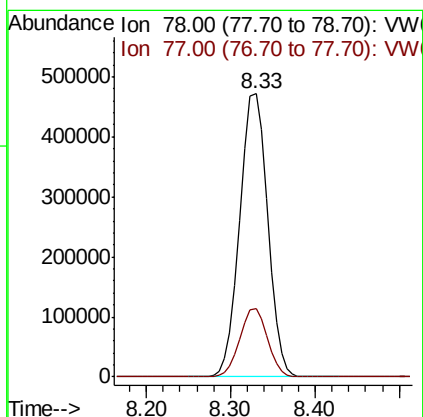
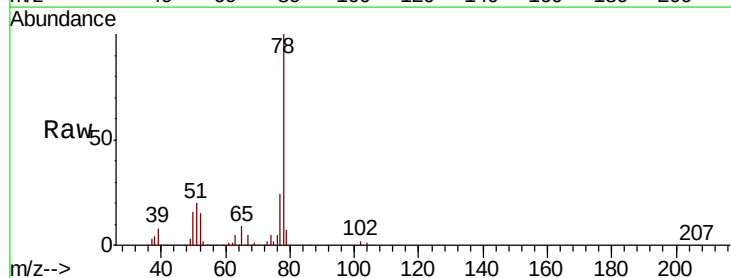
Acq: 15 Oct 2018 19:12

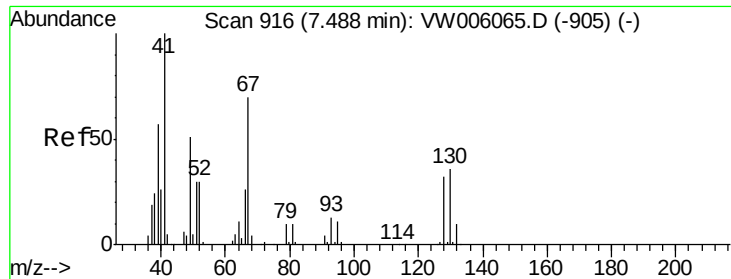
Tgt Ion: 78 Resp: 1054110

Ion Ratio Lower Upper

78 100

77 24.2 19.4 29.0

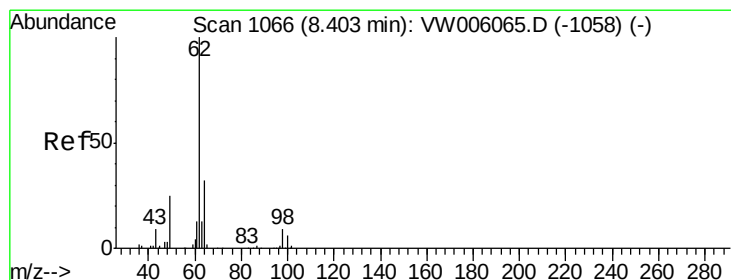
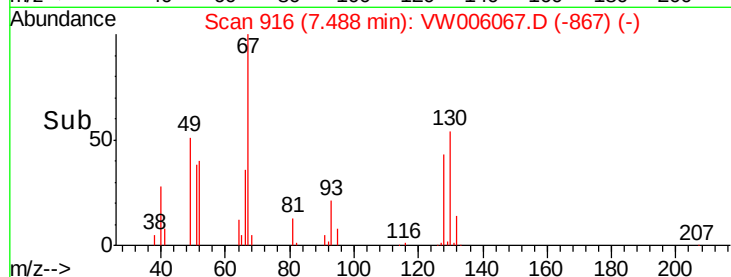
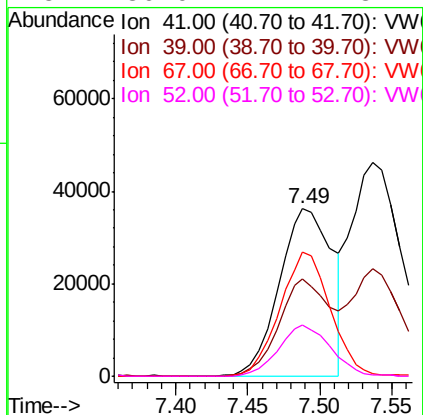
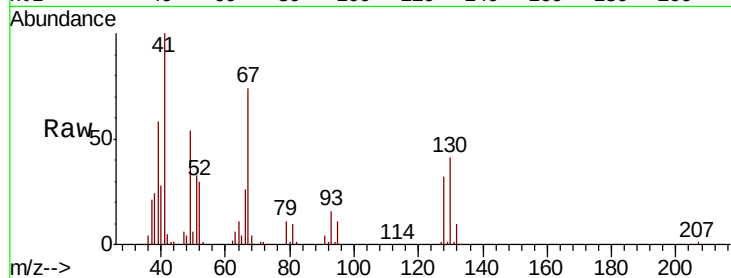




#41
Methacrylonitrile
Concen: 88.092 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

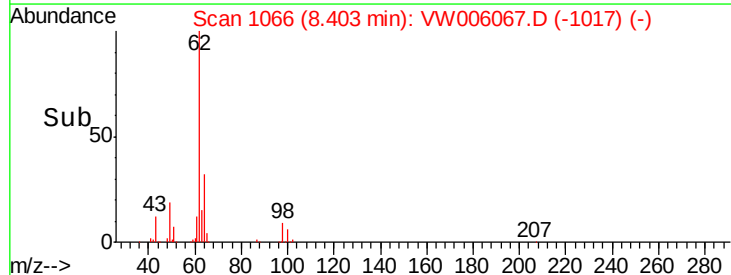
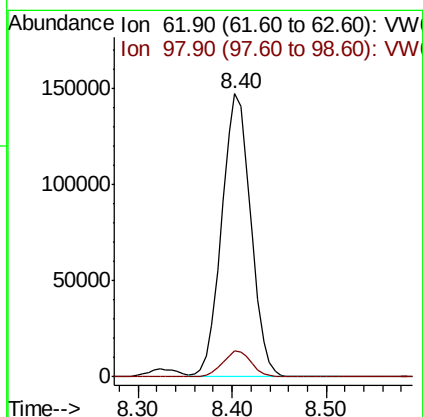
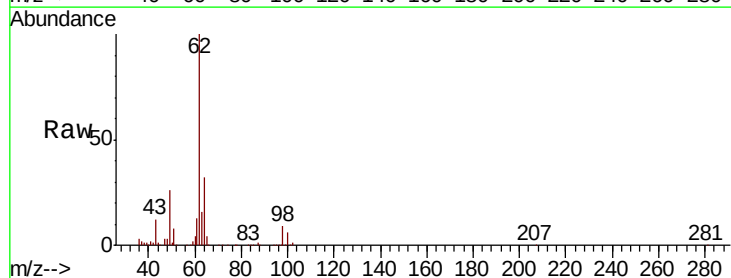
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

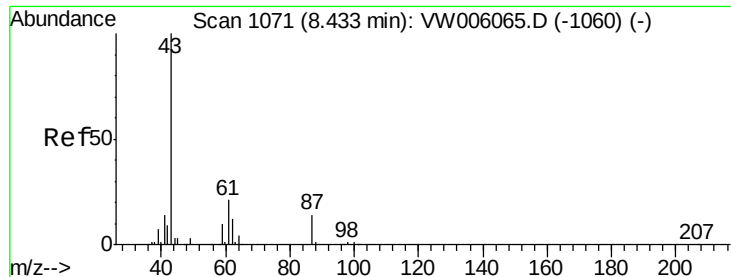
Tgt Ion:	41	Resp:	93027
Ion	Ratio	Lower	Upper
41	100		
39	56.3	46.2	69.4
67	70.6	57.7	86.5
52	30.0	24.7	37.1



#42
1,2-Dichloroethane
Concen: 94.643 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Tgt Ion:	62	Resp:	315217
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.4





#43

Isopropyl Acetate

Concen: 87.586 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

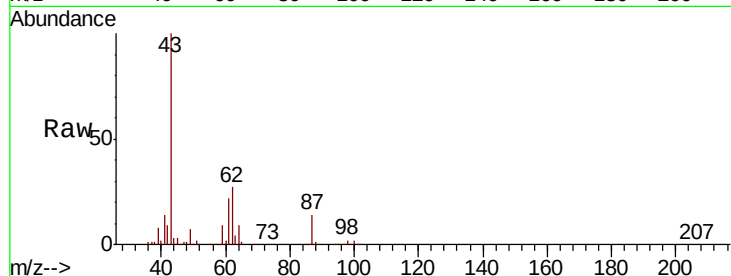
Tgt Ion: 43 Resp: 305385

Ion Ratio Lower Upper

43 100

61 30.6 25.5 38.3

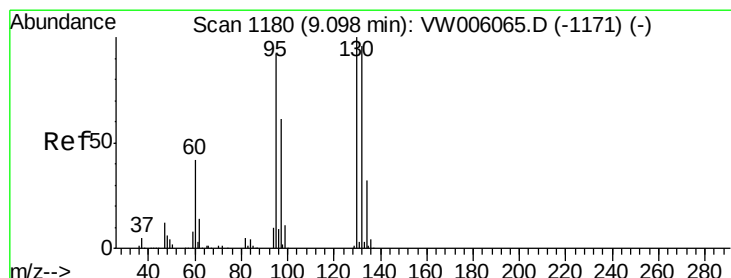
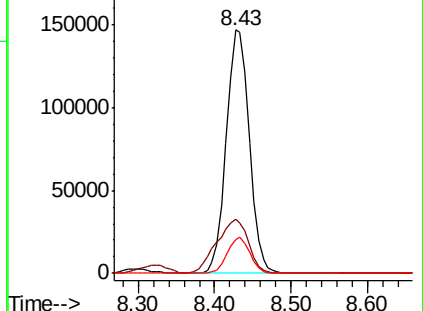
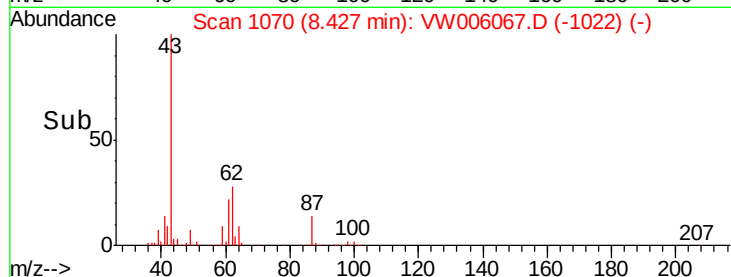
87 14.6 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 99.672 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006067.D

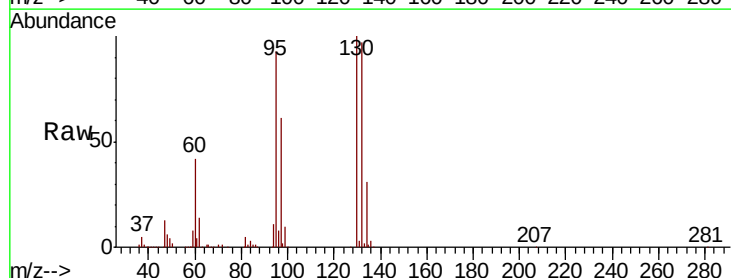
Acq: 15 Oct 2018 19:12

Tgt Ion: 130 Resp: 320880

Ion Ratio Lower Upper

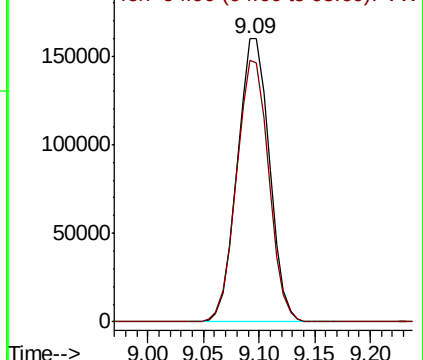
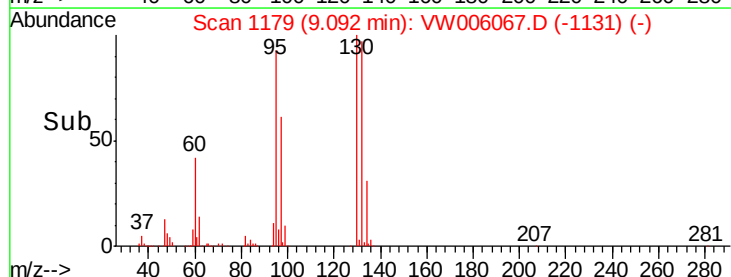
130 100

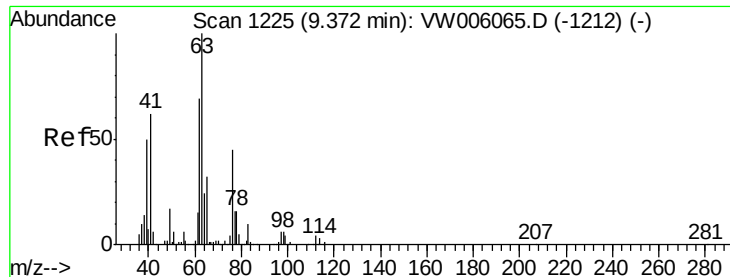
95 92.5 0.0 183.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

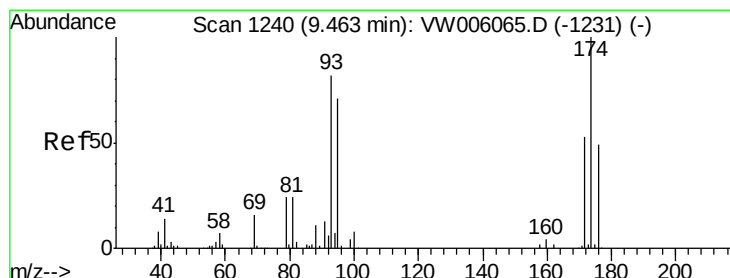
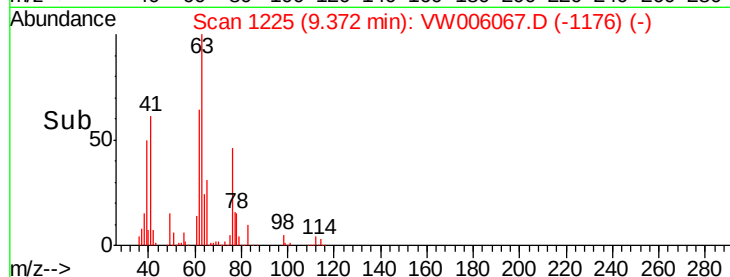
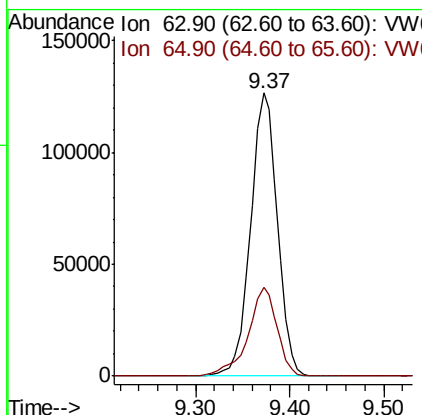
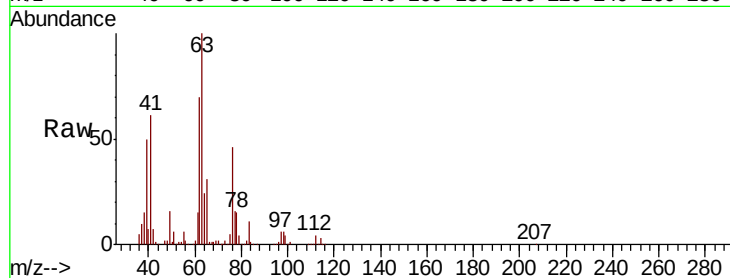




#45
 1,2-Dichloropropane
 Concen: 92.148 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006067.D
 Acq: 15 Oct 2018 19:12

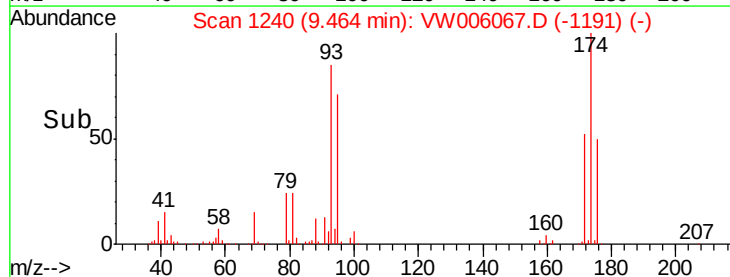
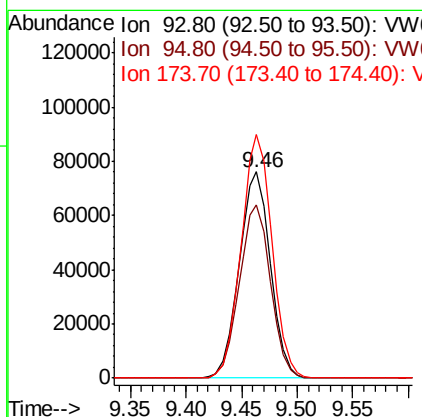
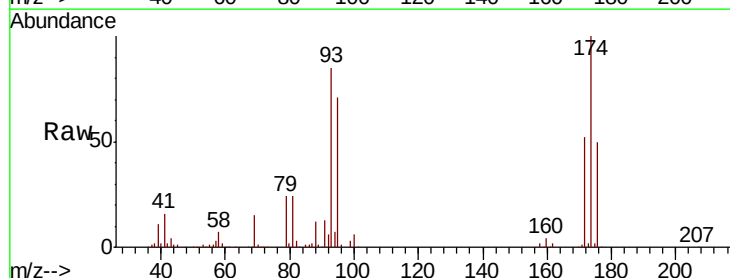
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

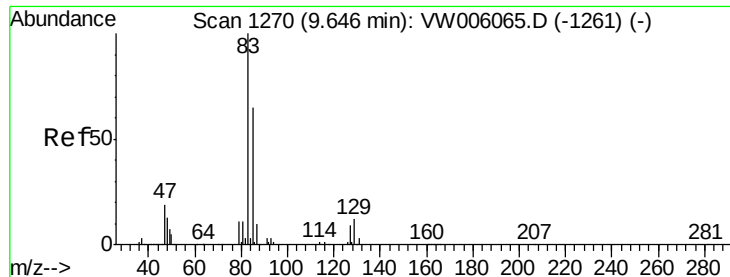
Tgt Ion: 63 Resp: 253208
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.4 38.0



#46
 Dibromomethane
 Concen: 96.986 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW006067.D
 Acq: 15 Oct 2018 19:12

Tgt Ion: 93 Resp: 147374
 Ion Ratio Lower Upper
 93 100
 95 84.1 67.7 101.5
 174 117.2 93.7 140.5





#47

Bromodichloromethane

Concen: 95.225 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

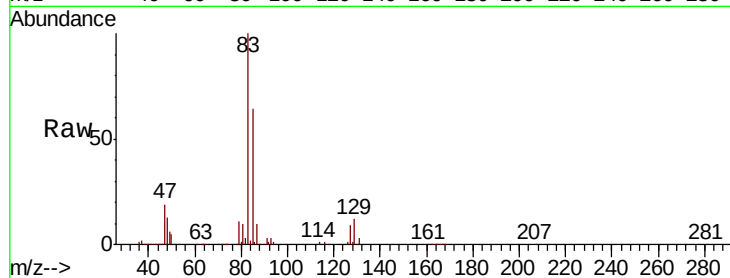
Tgt Ion: 83 Resp: 362794

Ion Ratio Lower Upper

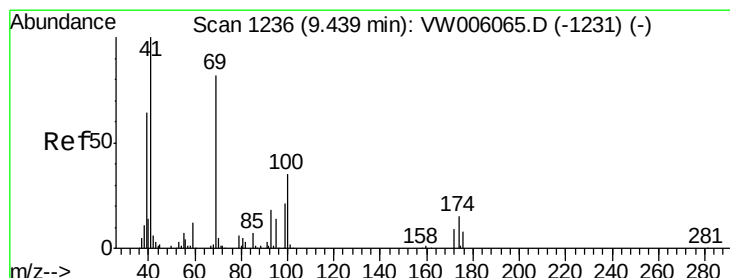
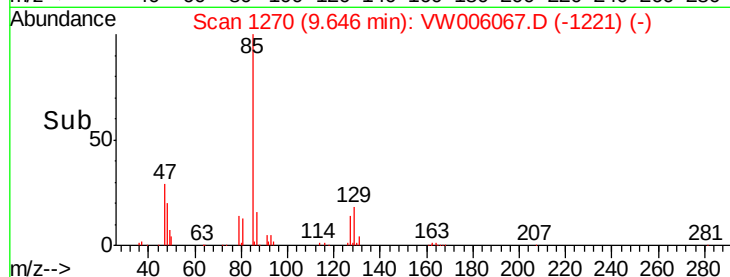
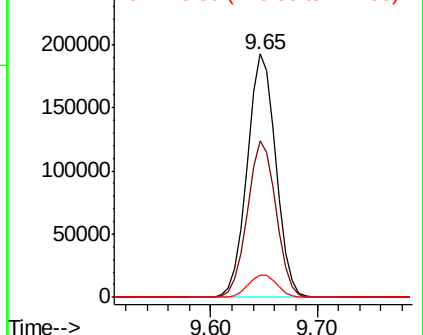
83 100

85 64.3 51.8 77.8

127 9.1 6.9 10.3



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): V



#48

Methyl methacrylate

Concen: 87.307 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

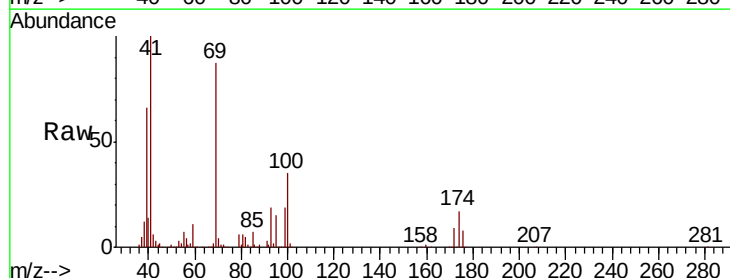
Tgt Ion: 41 Resp: 145403

Ion Ratio Lower Upper

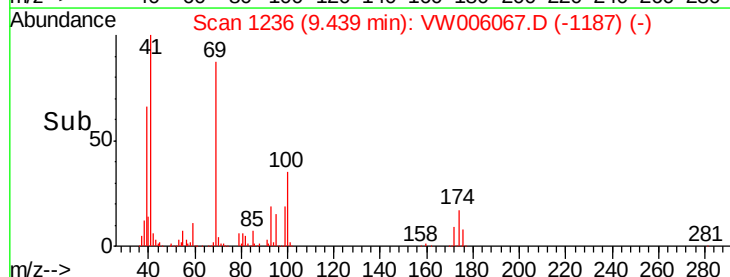
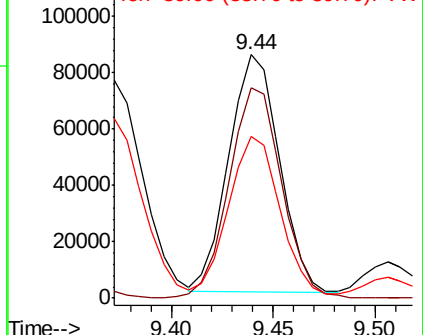
41 100

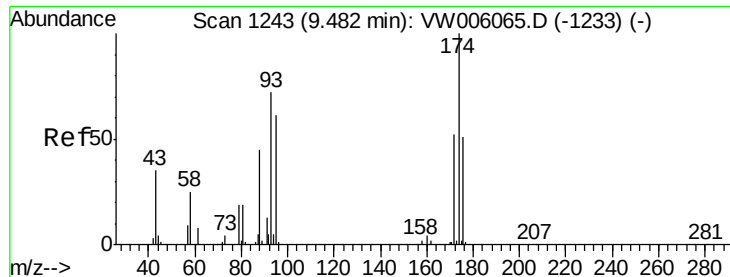
69 92.3 71.8 107.8

39 65.8 52.5 78.7



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: 1984.500 ug/l

RT: 9.48 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

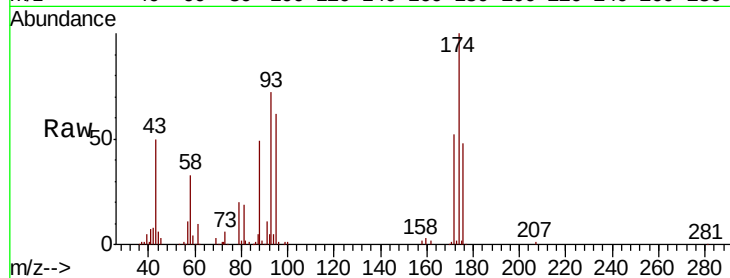
Tgt Ion: 88 Resp: 46043

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

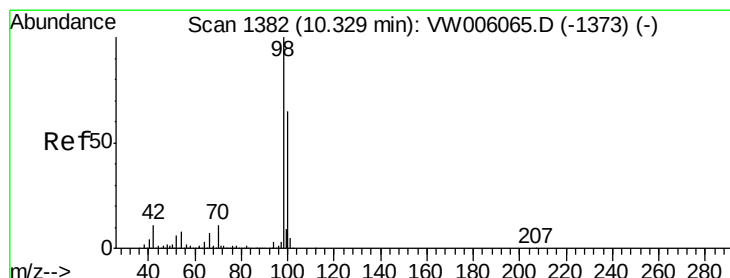
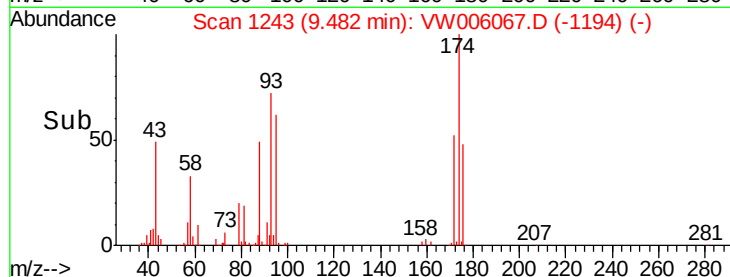
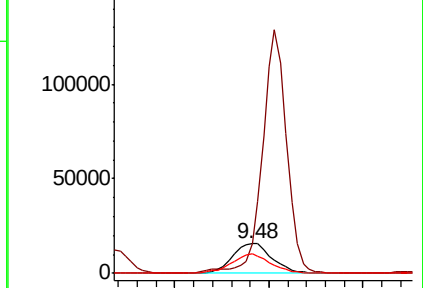
58 65.0 51.2 76.8



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: 89.964 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006067.D

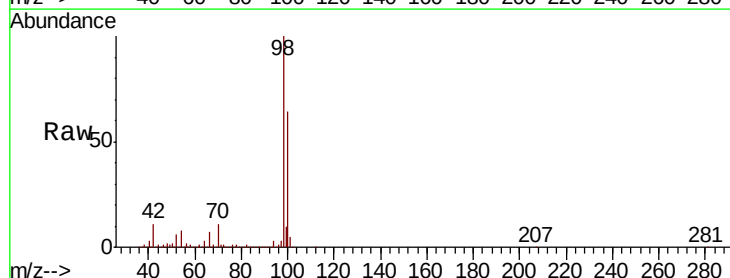
Acq: 15 Oct 2018 19:12

Tgt Ion: 98 Resp: 926286

Ion Ratio Lower Upper

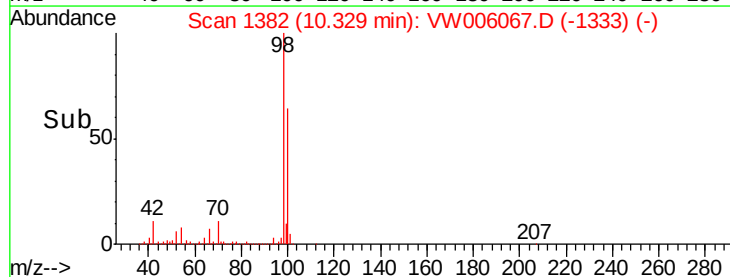
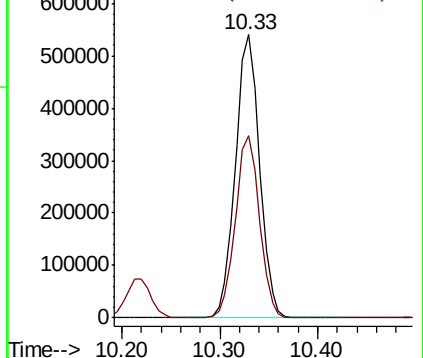
98 100

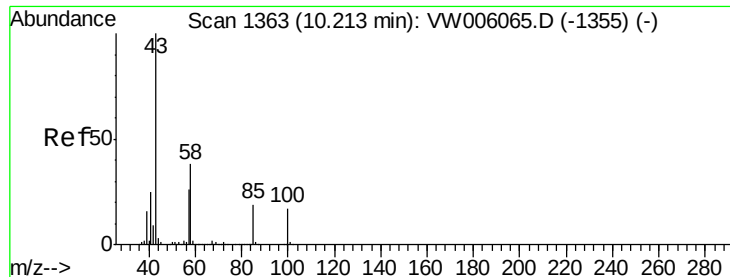
100 64.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

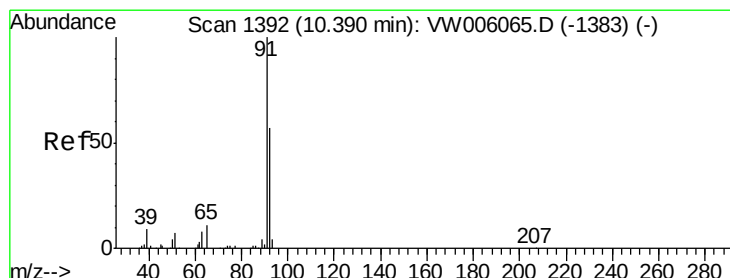
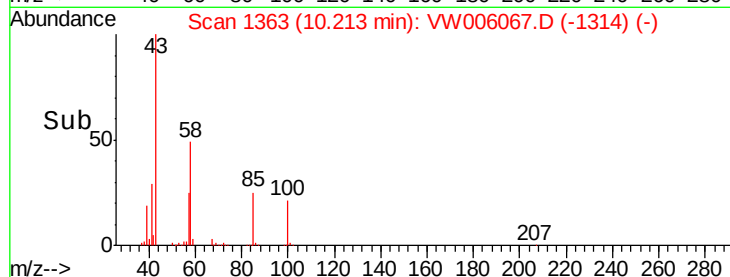
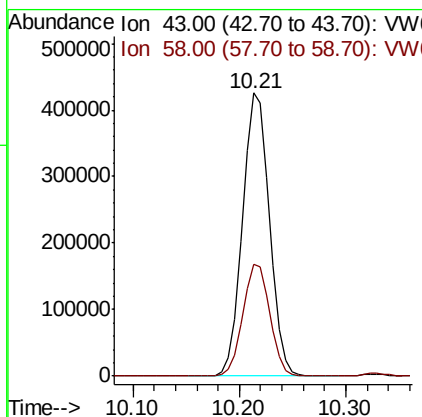
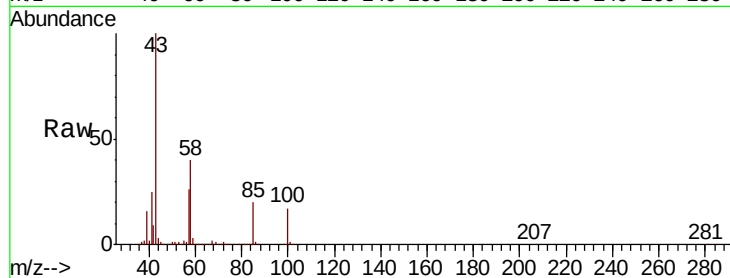




#51
 4-Methyl-2-Pentanone
 Concen: 444.080 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW006067.D
 Acq: 15 Oct 2018 19:12

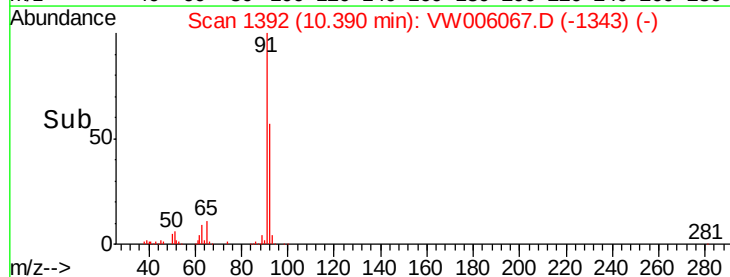
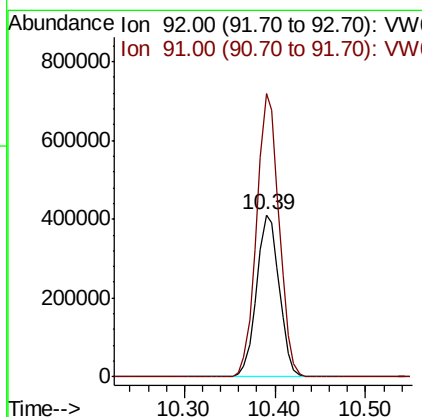
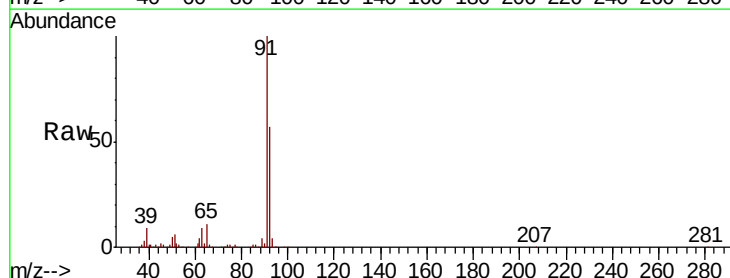
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

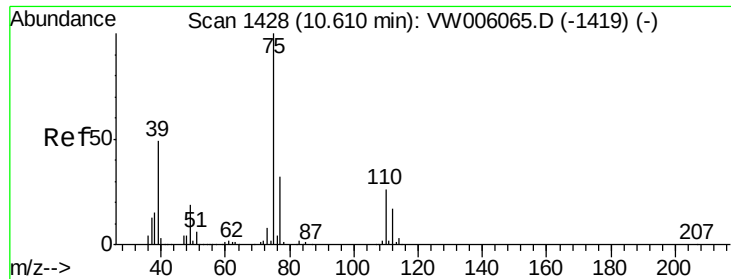
Tgt Ion: 43 Resp: 757524
 Ion Ratio Lower Upper
 43 100
 58 39.6 31.5 47.3



#52
 Toluene
 Concen: 97.786 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW006067.D
 Acq: 15 Oct 2018 19:12

Tgt Ion: 92 Resp: 711210
 Ion Ratio Lower Upper
 92 100
 91 173.0 140.0 210.0

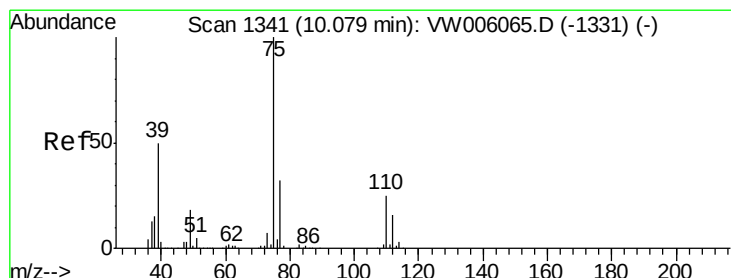
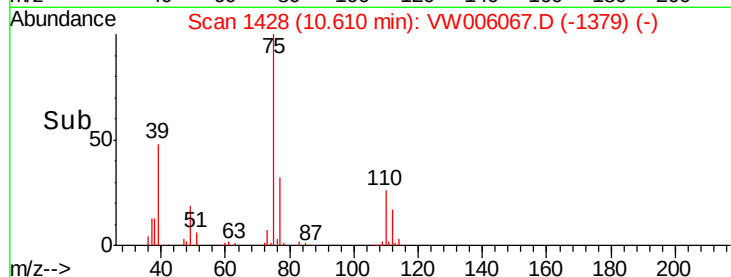
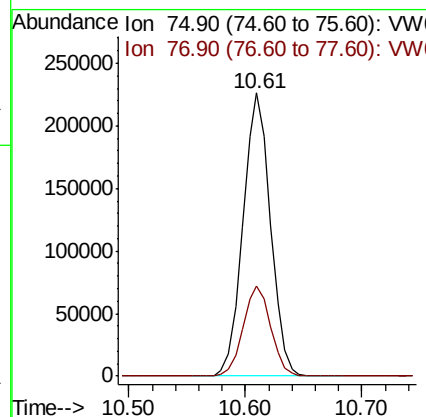
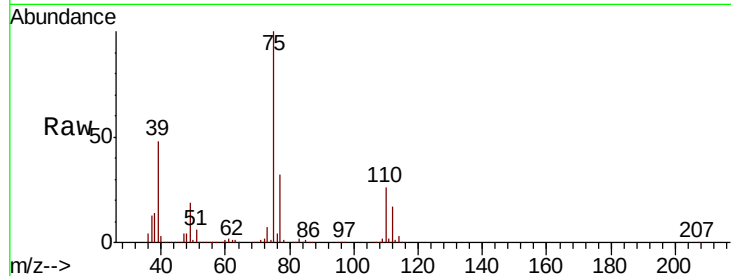




#53
t-1,3-Dichloropropene
Concen: 94.090 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

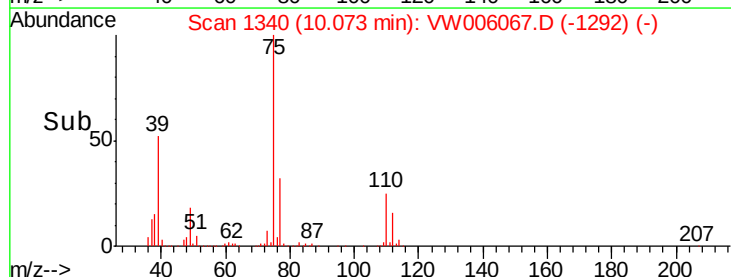
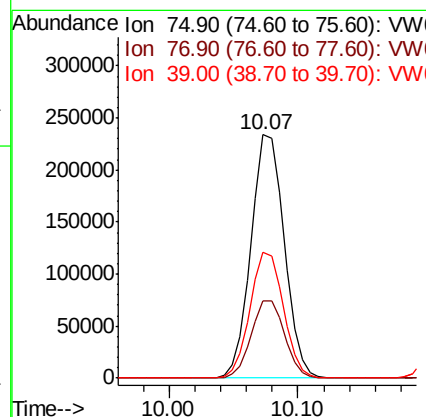
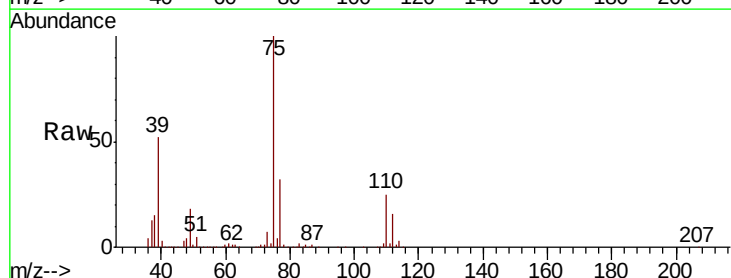
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

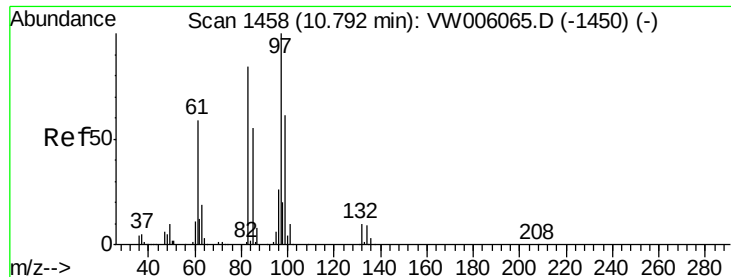
Tgt Ion: 75 Resp: 371470
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 93.730 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.01 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Tgt Ion: 75 Resp: 417612
Ion Ratio Lower Upper
75 100
77 31.6 25.2 37.8
39 51.9 39.9 59.9

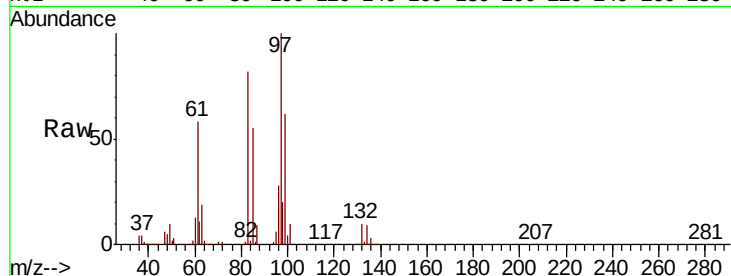




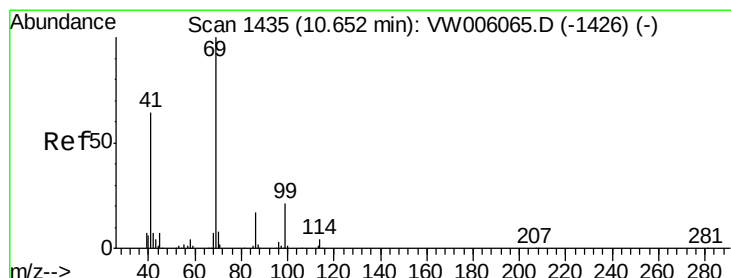
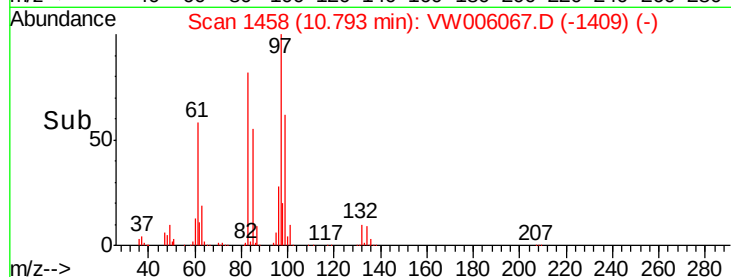
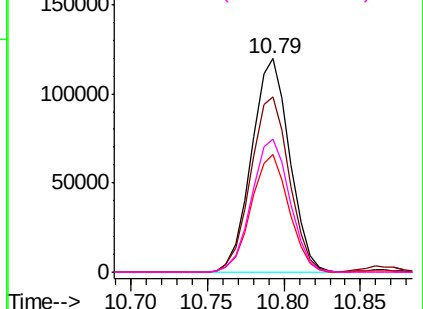
#55
 1,1,2-Trichloroethane
 Concen: 98.261 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW006067.D
 Acq: 15 Oct 2018 19:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion:	97	Resp:	207387
Ion	Ratio	Lower	Upper
97	100		
83	82.0	67.2	100.8
85	54.9	43.7	65.5
99	62.2	48.5	72.7

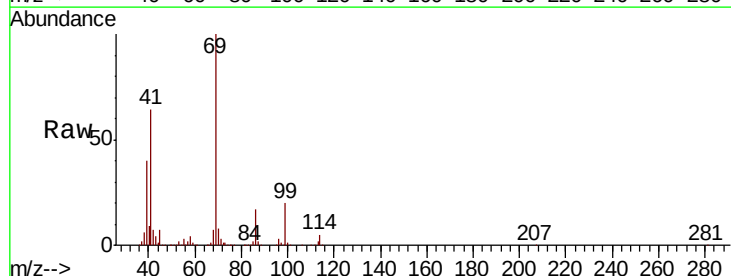


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

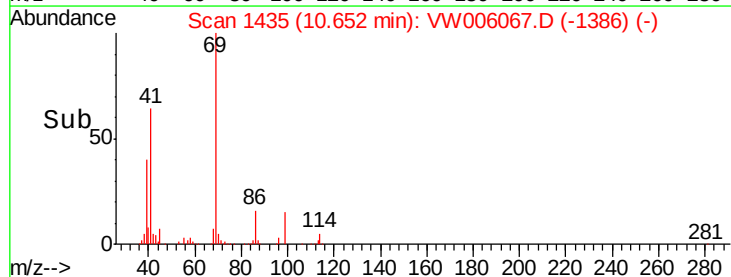
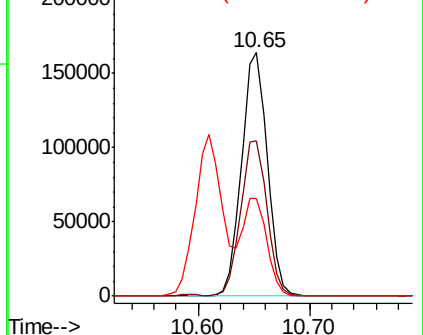


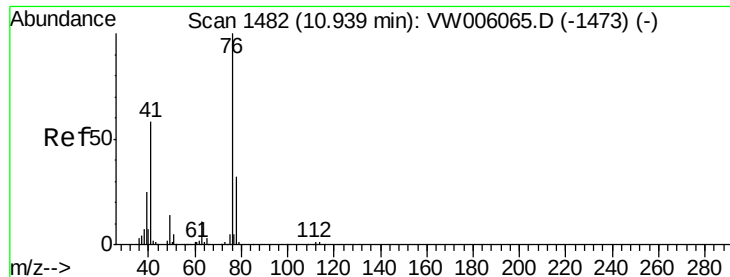
#56
 Ethyl methacrylate
 Concen: 94.035 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VW006067.D
 Acq: 15 Oct 2018 19:12

Tgt Ion:	69	Resp:	263702
Ion	Ratio	Lower	Upper
69	100		
41	64.9	52.8	79.2
39	36.8	30.6	45.8



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: 95.644 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

ClientSampleId :

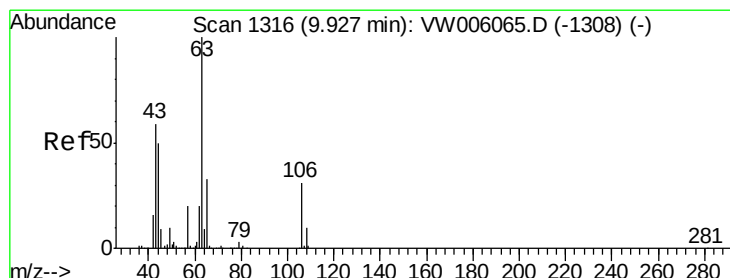
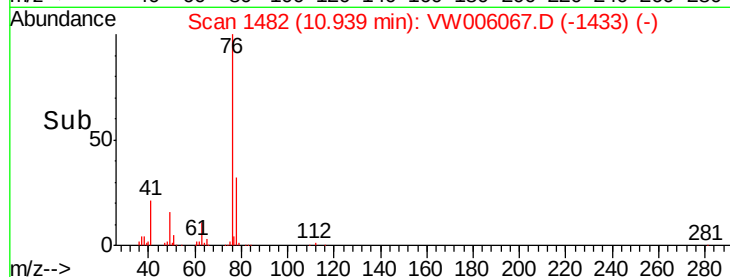
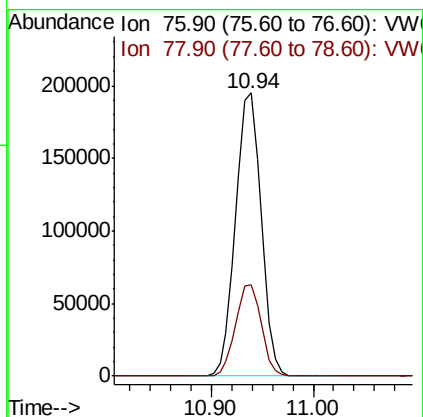
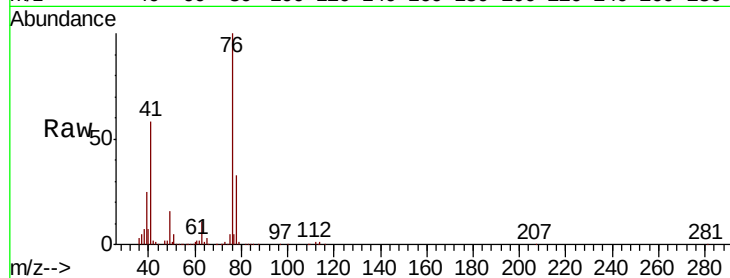
VSTDIC100

Tgt Ion: 76 Resp: 338406

Ion Ratio Lower Upper

76 100

78 32.4 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 414.671 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW006067.D

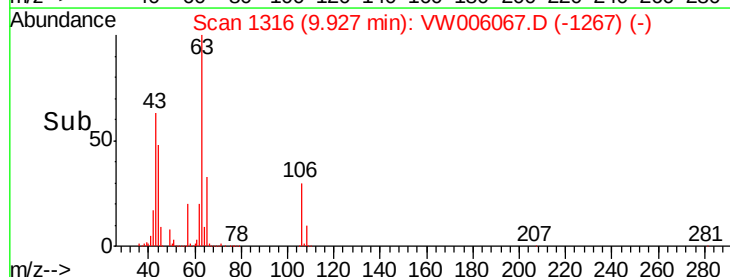
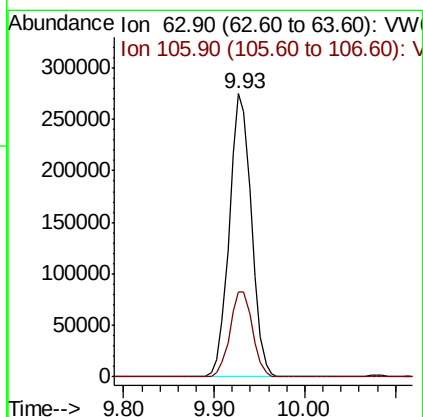
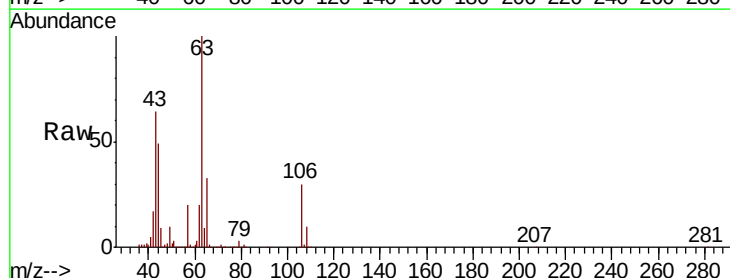
Acq: 15 Oct 2018 19:12

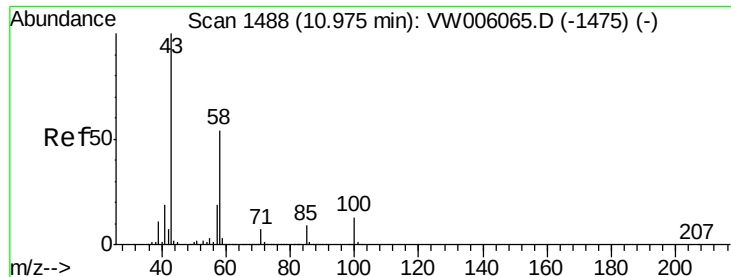
Tgt Ion: 63 Resp: 469122

Ion Ratio Lower Upper

63 100

106 30.8 24.5 36.7

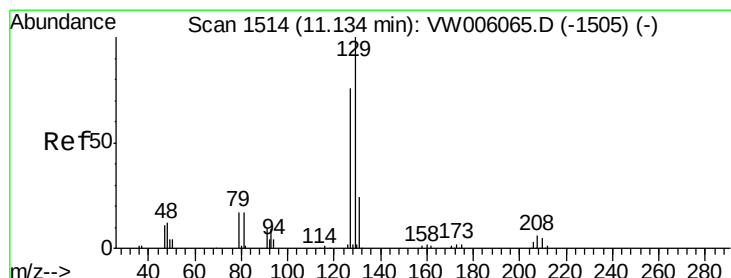
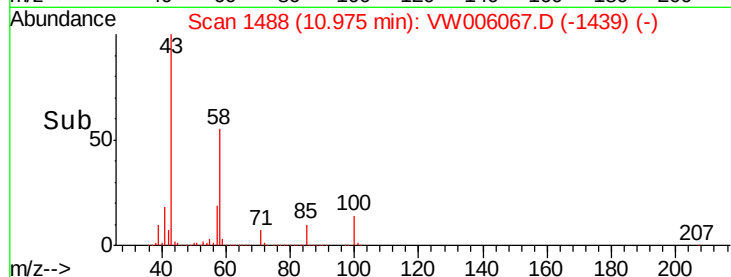
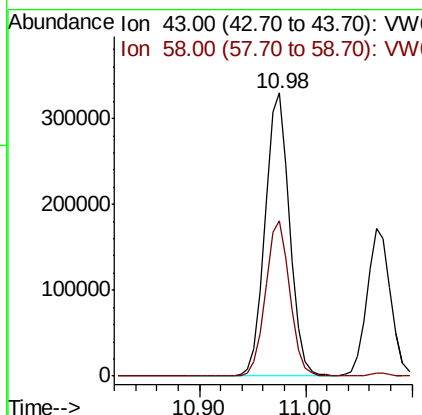
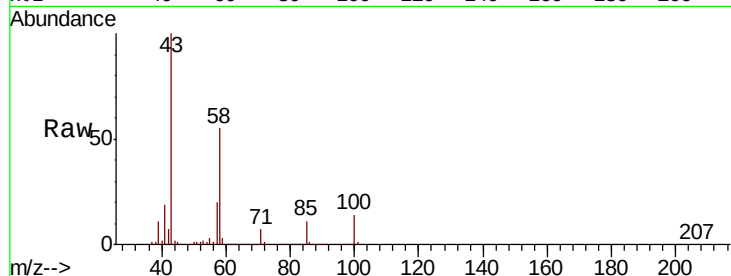




#59
2-Hexanone
Concen: 436.013 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

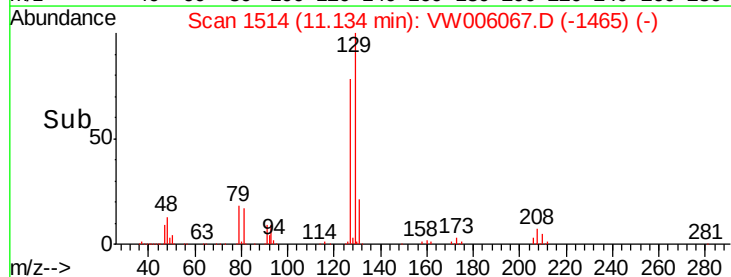
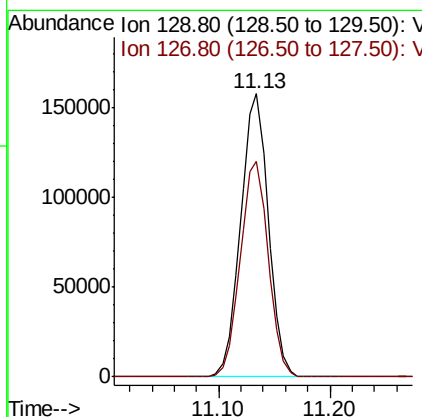
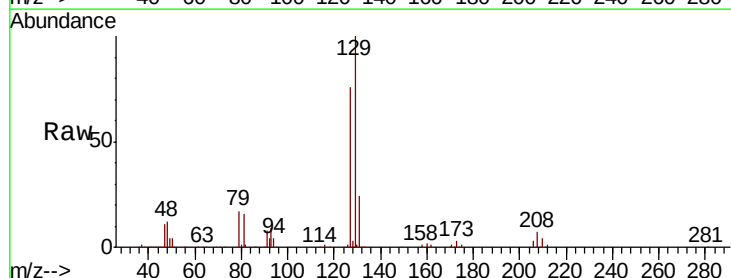
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

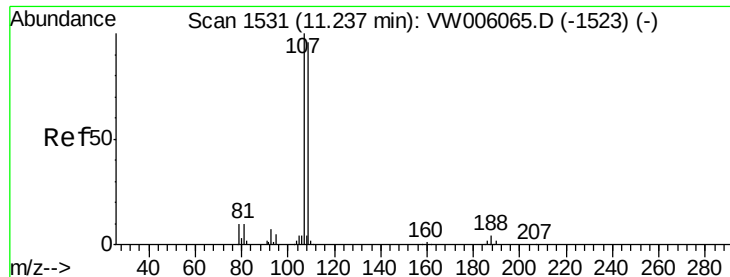
Tgt Ion: 43 Resp: 530414
Ion Ratio Lower Upper
43 100
58 54.5 26.9 80.6



#60
Dibromochloromethane
Concen: 100.049 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Tgt Ion: 129 Resp: 271411
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.7





#61

1,2-Dibromoethane

Concen: 100.015 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

ClientSampleId :

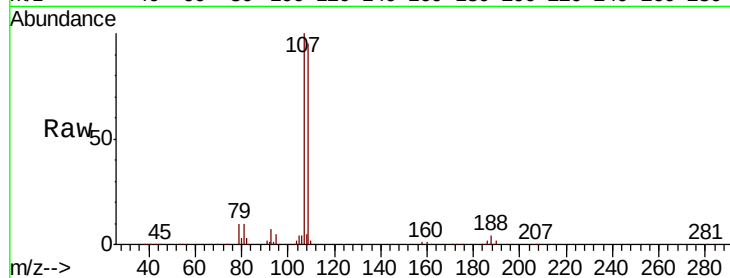
VSTDIC100

Tgt Ion: 107 Resp: 211110

Ion Ratio Lower Upper

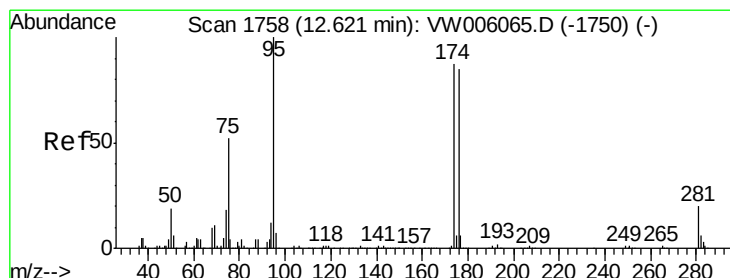
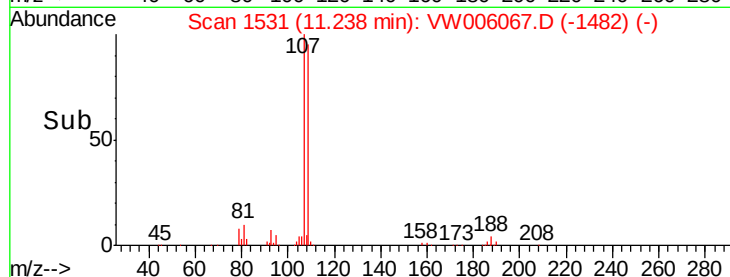
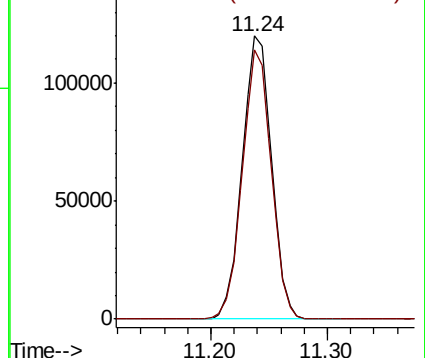
107 100

109 94.0 76.3 114.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 90.153 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

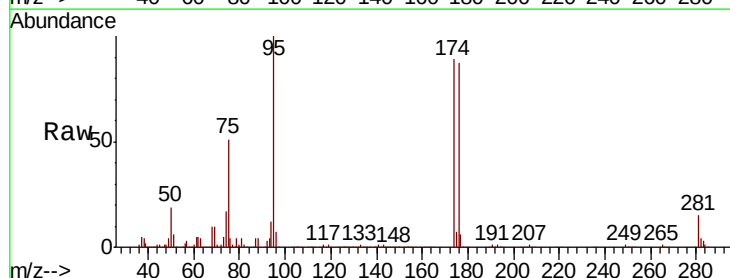
Tgt Ion: 95 Resp: 352874

Ion Ratio Lower Upper

95 100

174 93.1 0.0 186.0

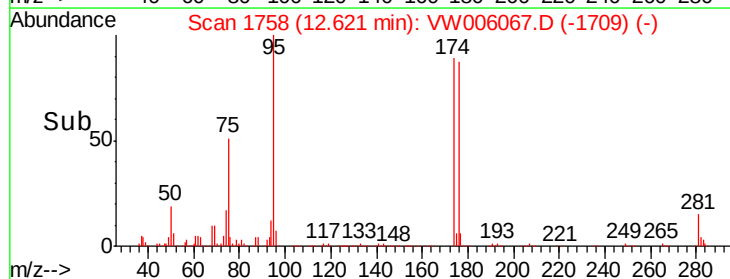
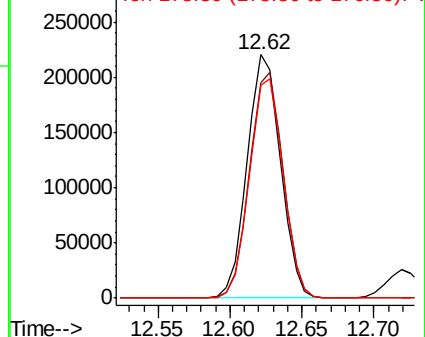
176 91.1 0.0 181.6

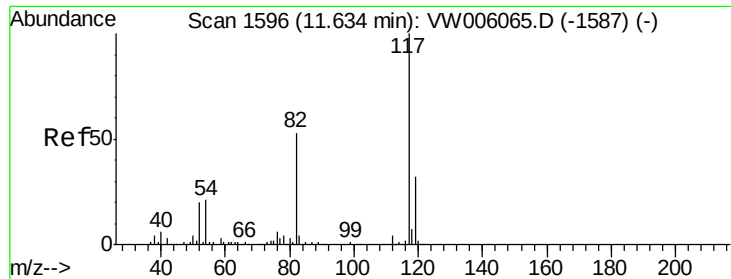


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

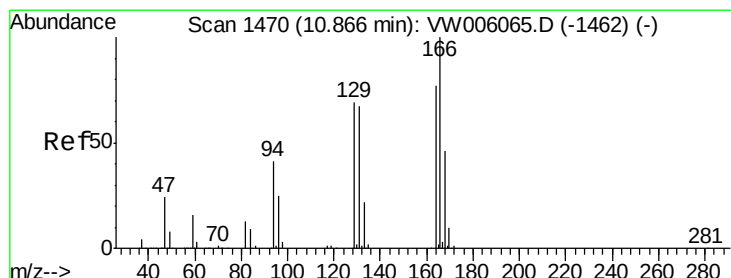
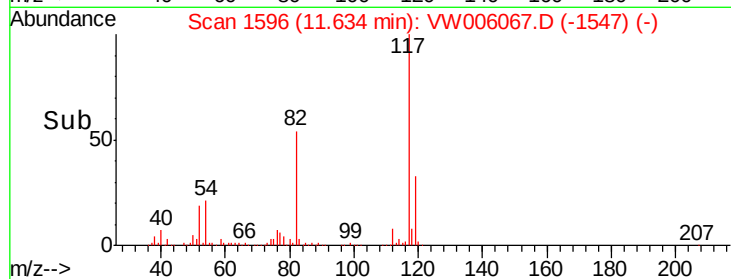
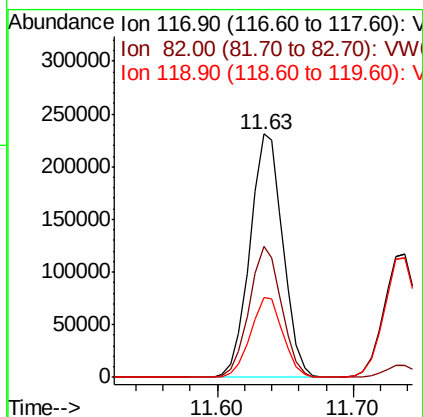
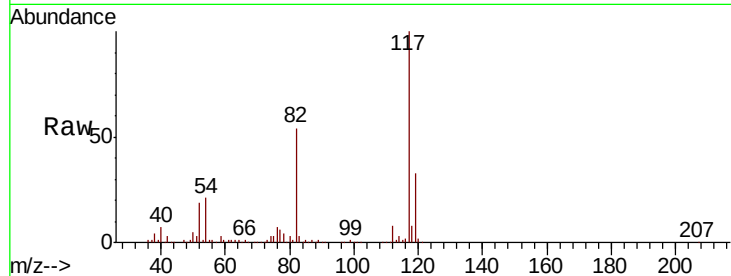




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

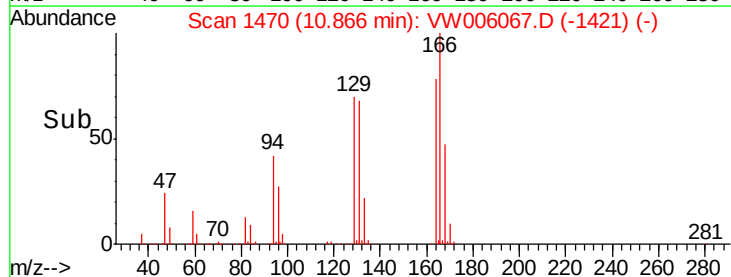
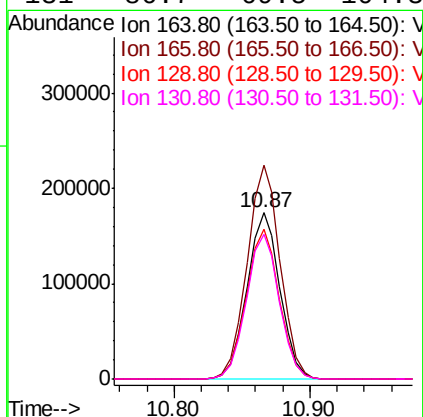
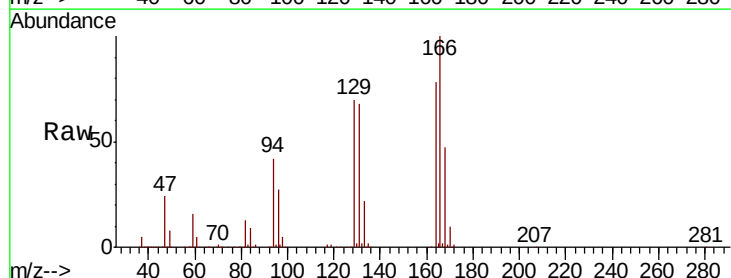
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

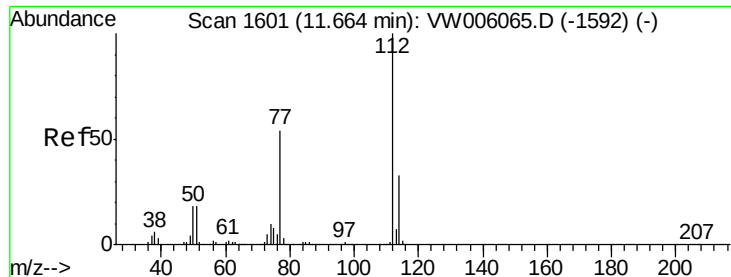
Tgt Ion:117 Resp: 391708
Ion Ratio Lower Upper
117 100
82 53.6 42.1 63.1
119 32.5 25.8 38.6



#64
Tetrachloroethene
Concen: 101.427 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Tgt Ion:164 Resp: 295372
Ion Ratio Lower Upper
164 100
166 128.4 103.4 155.0
129 90.2 71.8 107.8
131 86.7 69.5 104.3

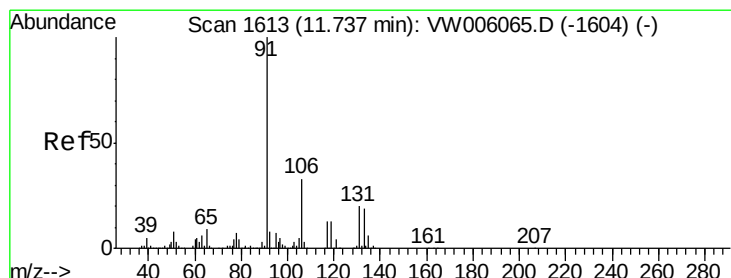
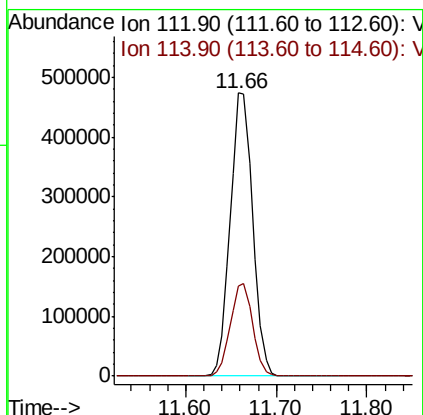
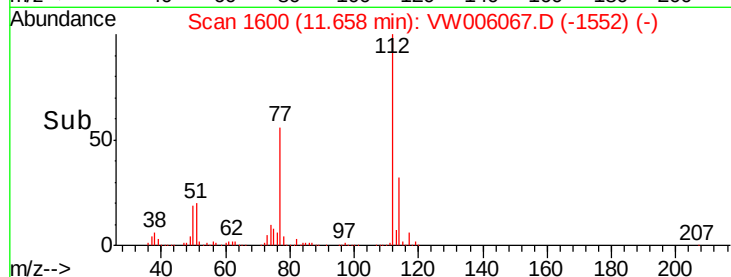
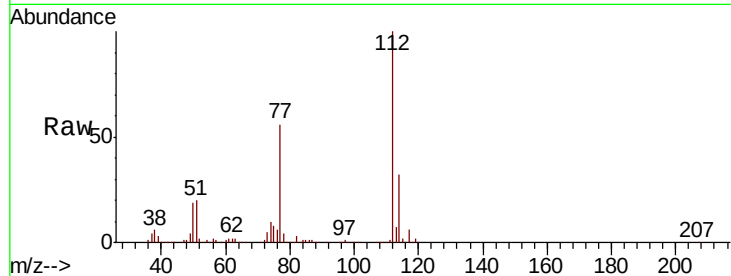




#65
Chlorobenzene
Concen: 98.187 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

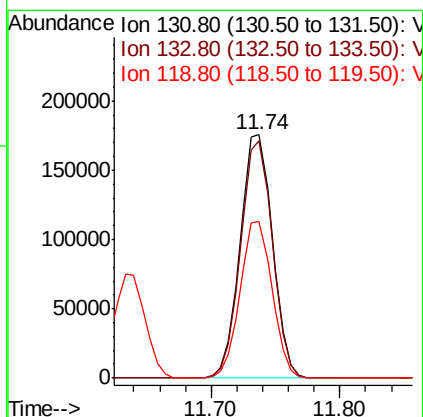
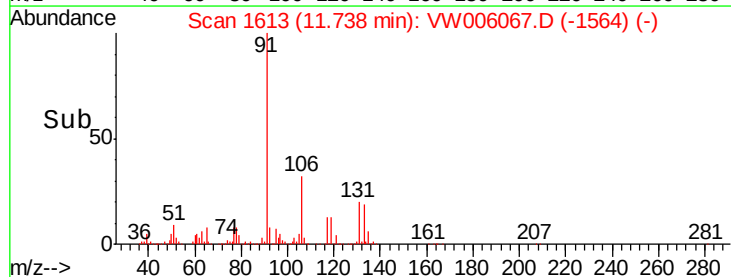
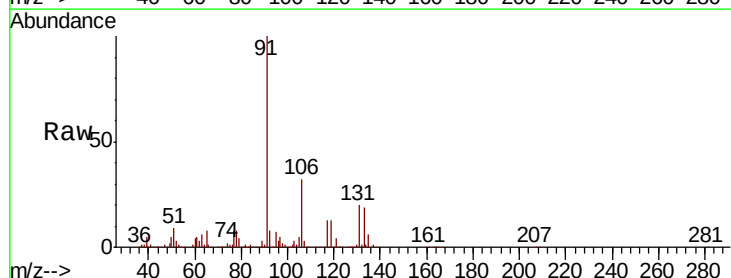
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

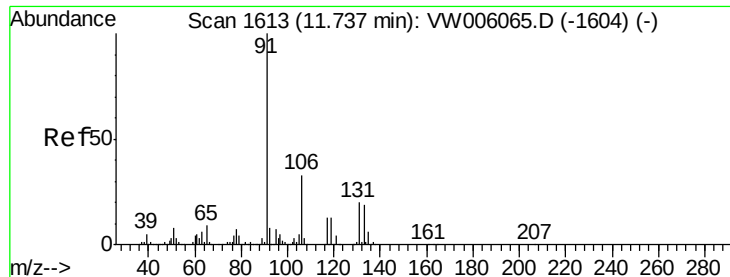
Tgt Ion:112 Resp: 815973
Ion Ratio Lower Upper
112 100
114 31.9 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 100.115 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Tgt Ion:131 Resp: 305033
Ion Ratio Lower Upper
131 100
133 95.8 48.1 144.3
119 63.7 31.6 94.7

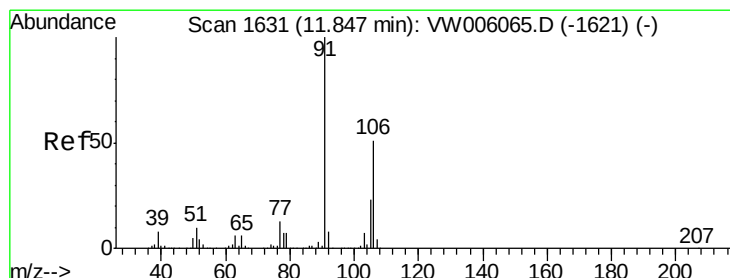
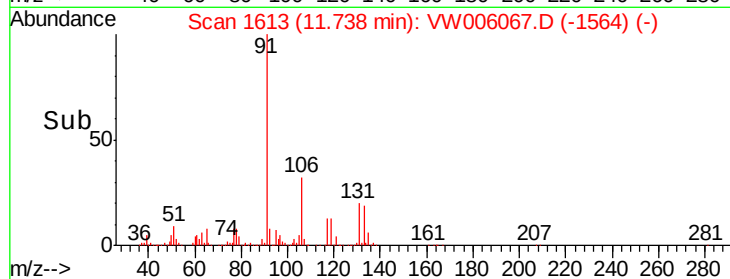
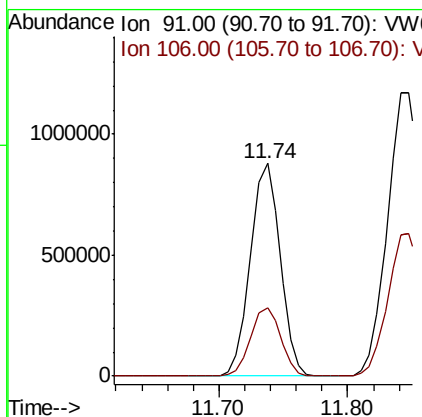
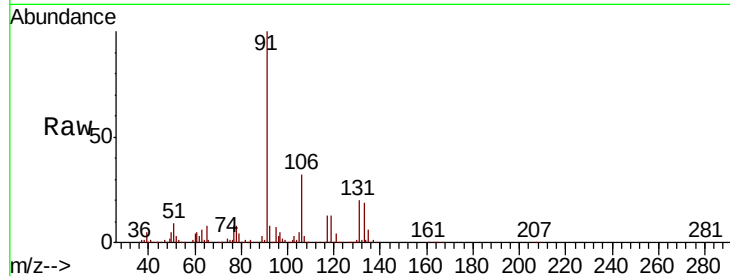




#67
Ethyl Benzene
Concen: 96.129 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

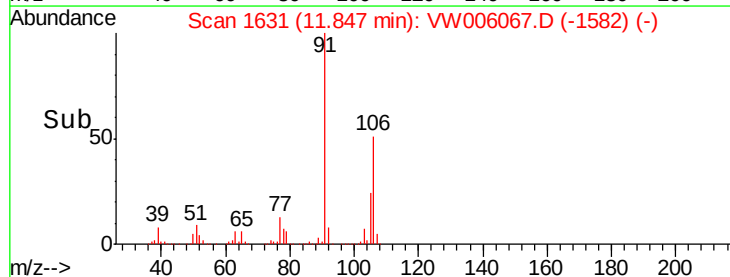
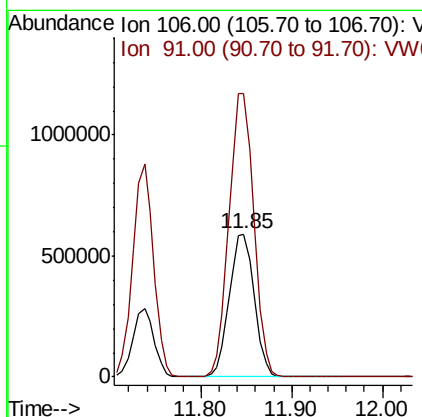
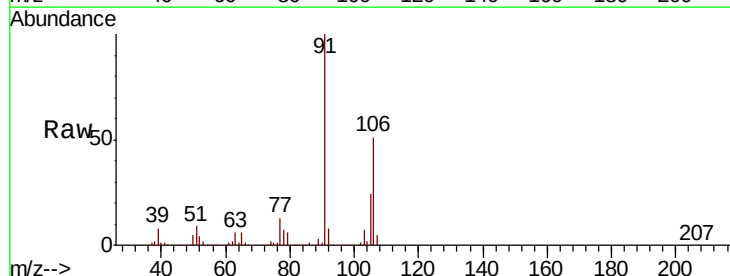
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

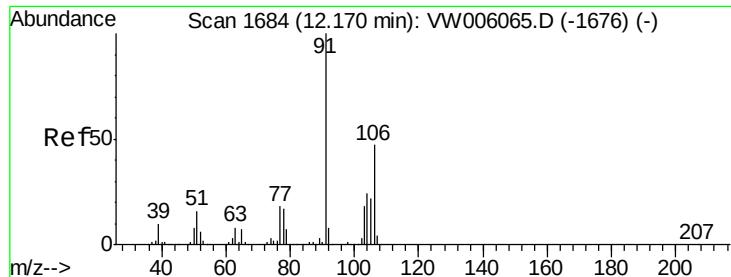
Tgt Ion: 91 Resp: 1406124
Ion Ratio Lower Upper
91 100
106 32.4 26.1 39.1



#68
m/p-Xylenes
Concen: 196.387 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Tgt Ion: 106 Resp: 1125932
Ion Ratio Lower Upper
106 100
91 198.1 159.1 238.7

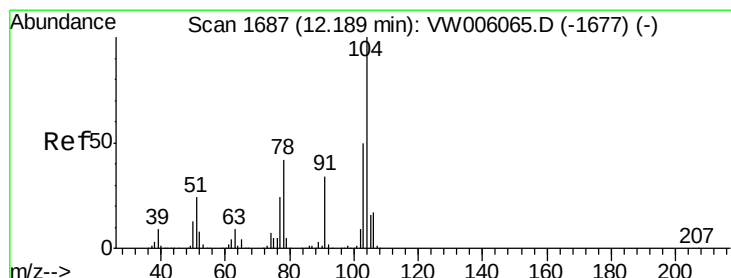
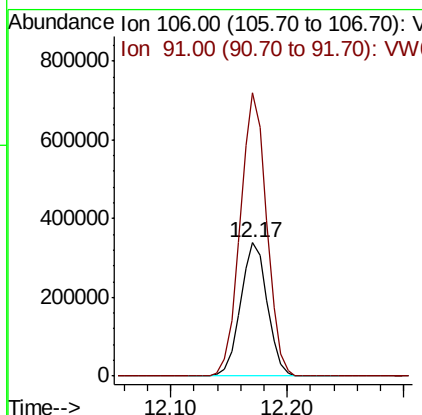
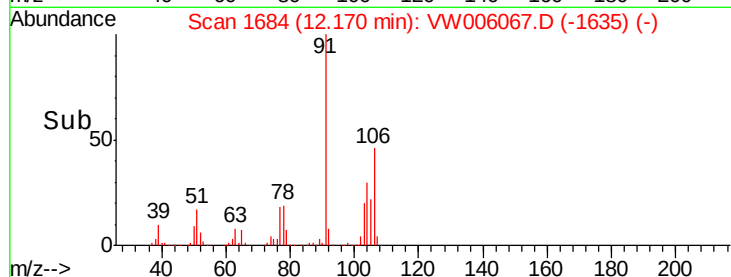
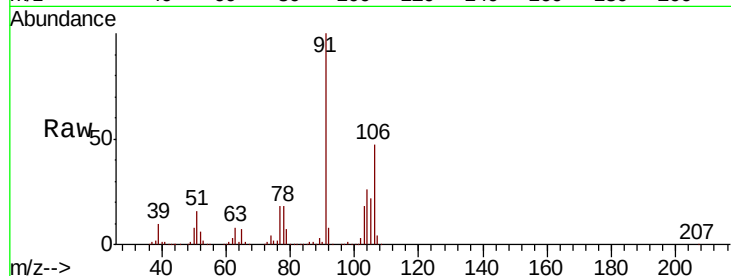




#69
o-Xylene
Concen: 98.660 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

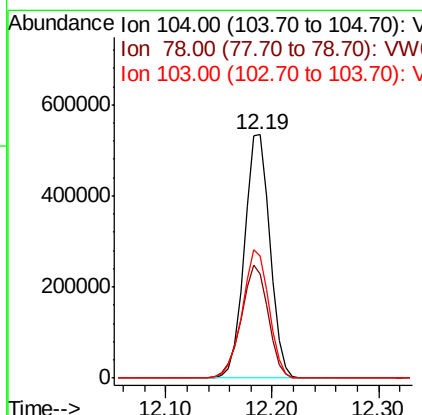
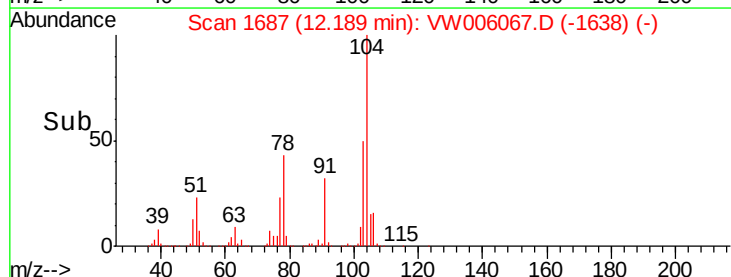
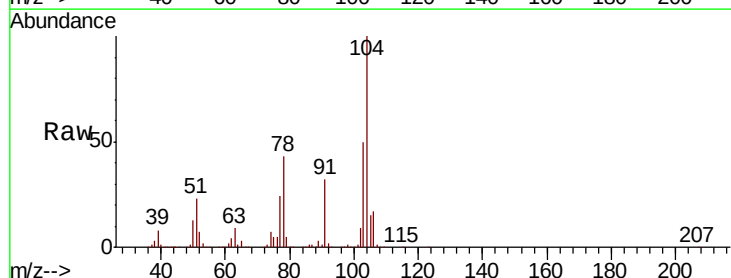
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

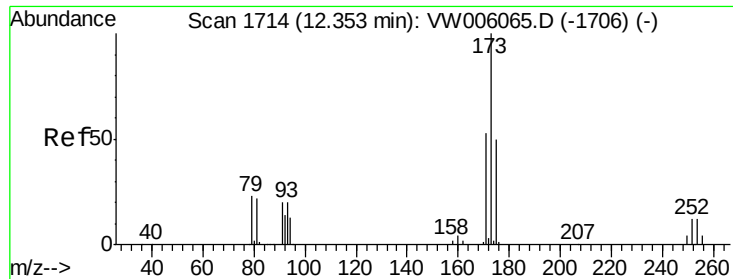
Tgt Ion:106 Resp: 542001
Ion Ratio Lower Upper
106 100
91 210.2 105.4 316.1



#70
Styrene
Concen: 98.823 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Tgt Ion:104 Resp: 898976
Ion Ratio Lower Upper
104 100
78 49.0 39.1 58.7
103 55.3 44.3 66.5





#71

Bromoform

Concen: 99.393 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

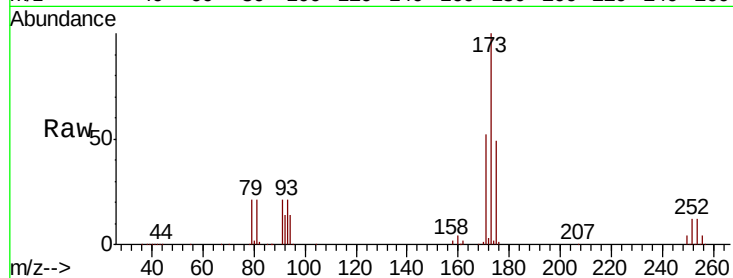
Tgt Ion:173 Resp: 179158

Ion Ratio Lower Upper

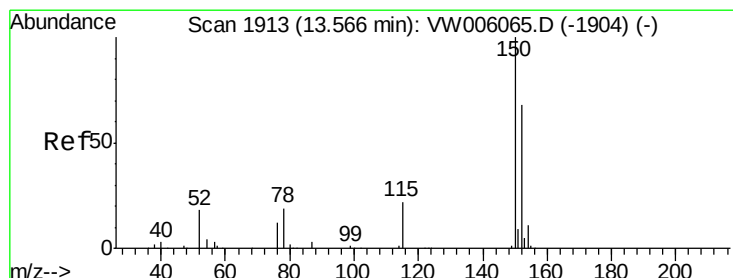
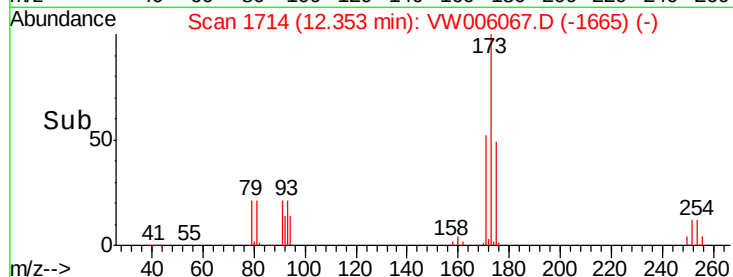
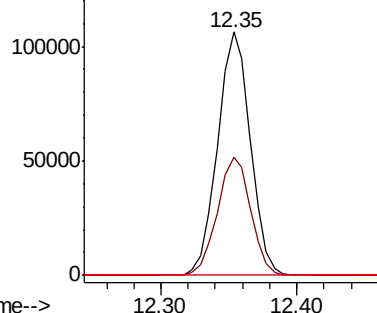
173 100

175 49.2 24.2 72.6

254 0.1 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: VW006067.D

Acq: 15 Oct 2018 19:12

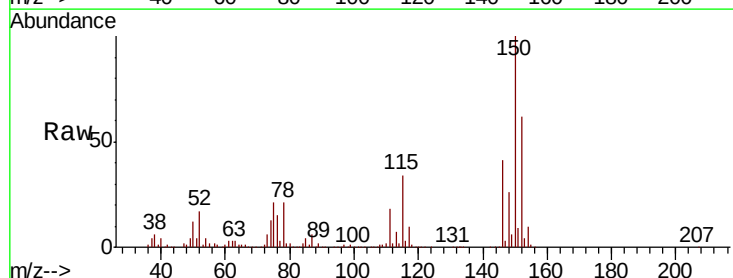
Tgt Ion:152 Resp: 222915

Ion Ratio Lower Upper

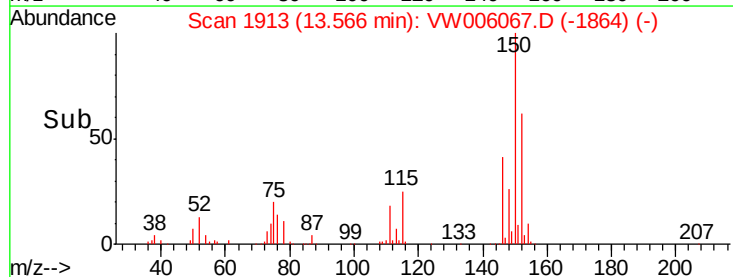
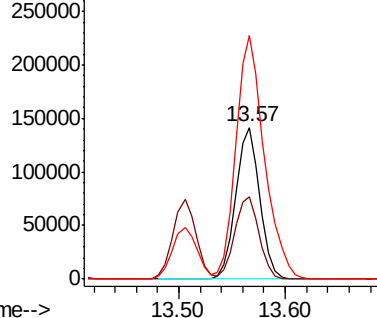
152 100

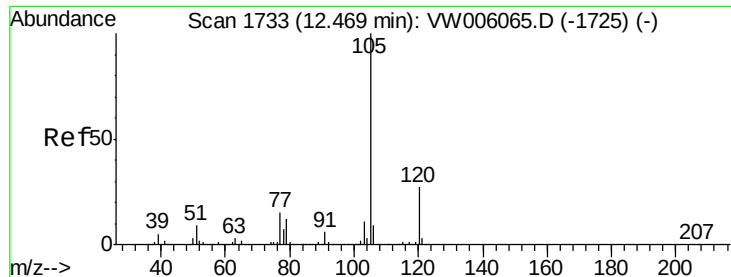
115 55.2 27.8 83.3

150 189.3 0.0 349.2



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





#73

Isopropylbenzene

Concen: 94.901 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

ClientSampleId :

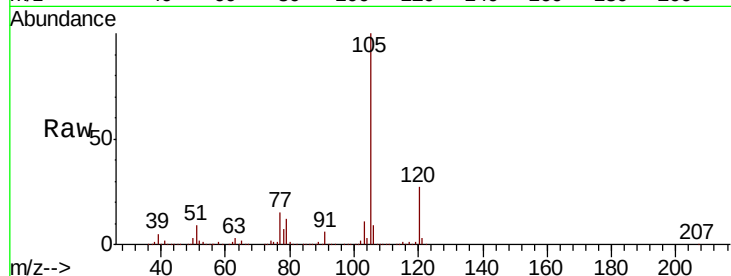
VSTDIC100

Tgt Ion: 105 Resp: 1525113

Ion Ratio Lower Upper

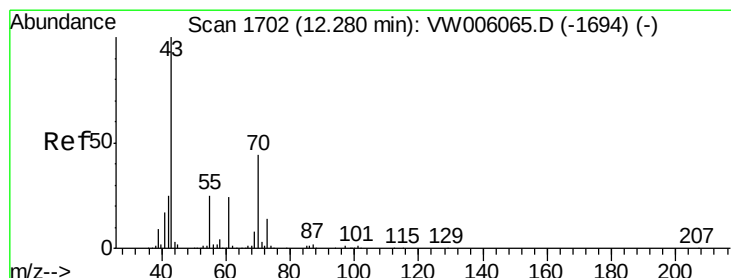
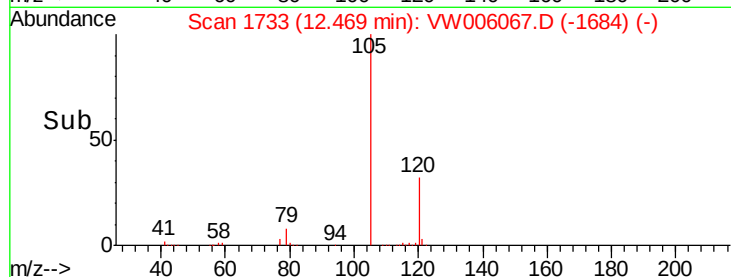
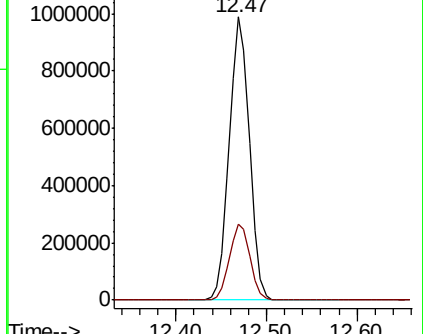
105 100

120 27.4 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 84.045 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Tgt Ion: 43 Resp: 312847

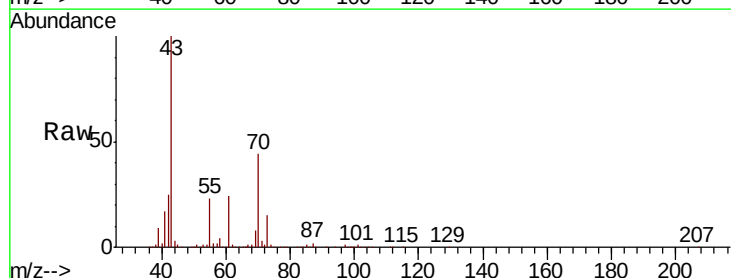
Ion Ratio Lower Upper

43 100

70 43.5 34.2 51.4

55 23.6 19.2 28.8

61 24.3 19.0 28.6

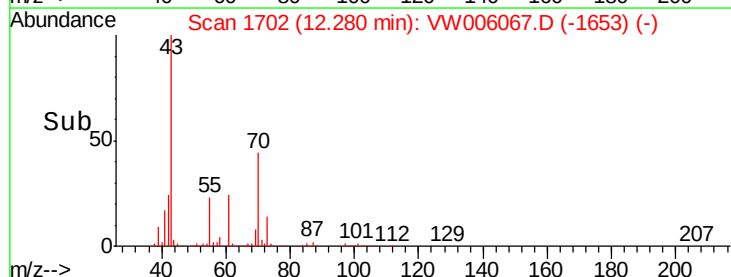
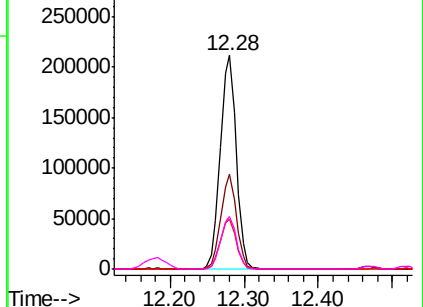


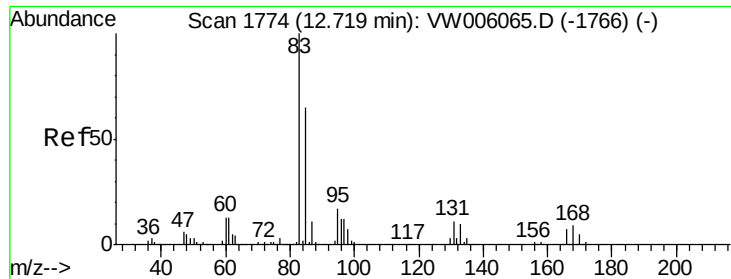
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 91.728 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

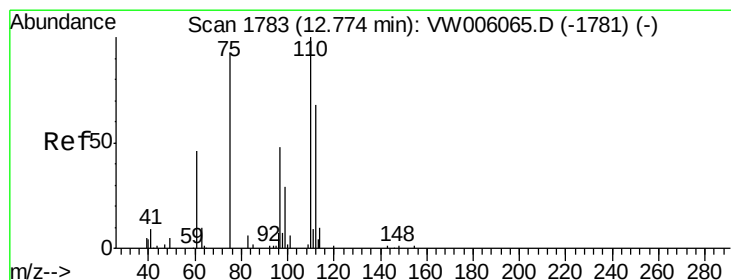
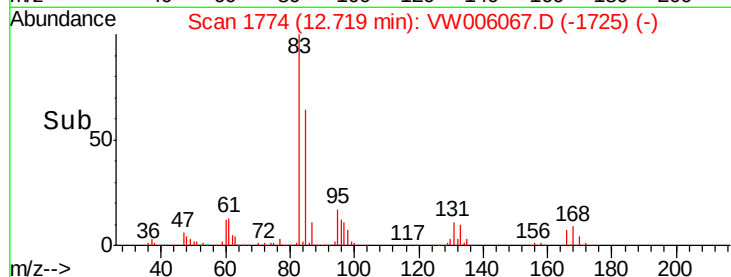
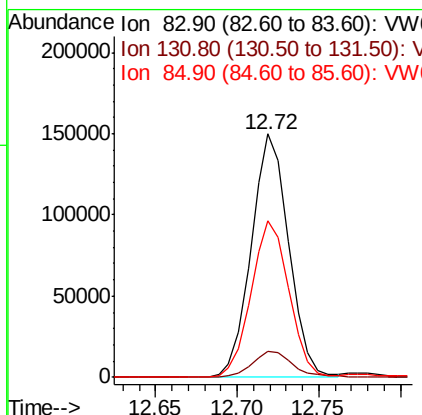
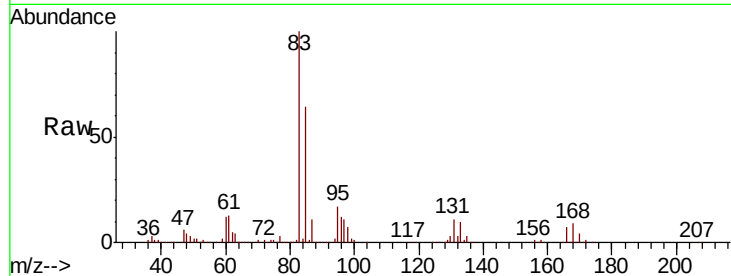
Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion:	83	Resp:	240118
Ion	Ratio	Lower	Upper
83	100		
131	11.9	5.9	17.7
85	64.8	31.9	95.9



#76

1,2,3-Trichloropropane

Concen: 167.581 ug/l

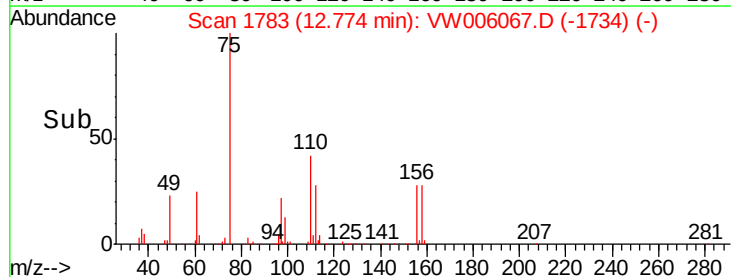
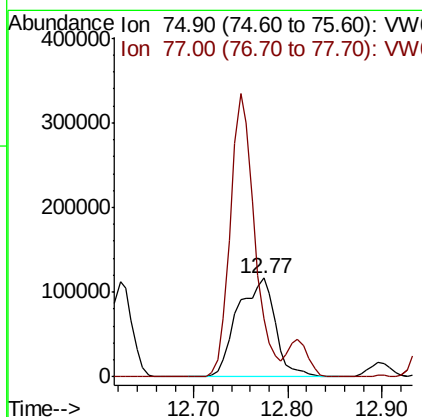
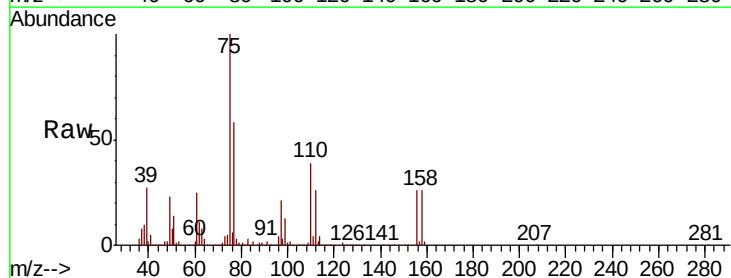
RT: 12.77 min Scan# 1783

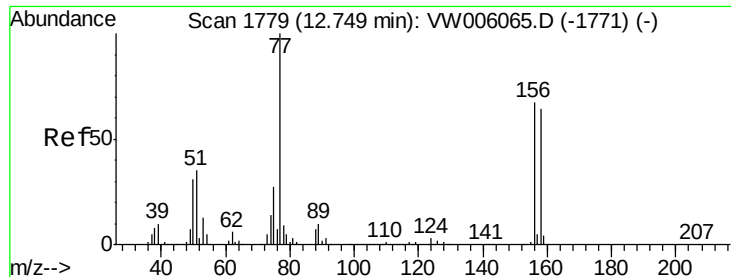
Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Tgt Ion:	75	Resp:	321910
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 98.186 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

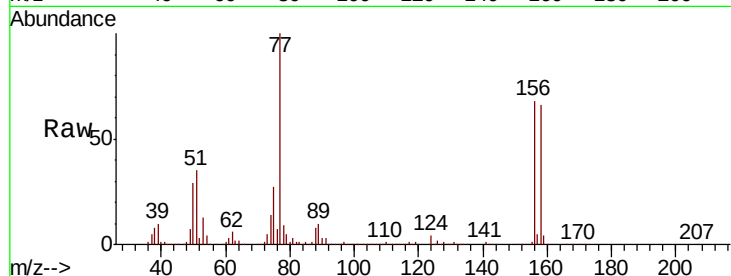
Tgt Ion:156 Resp: 375992

Ion Ratio Lower Upper

156 100

77 160.0 79.1 237.4

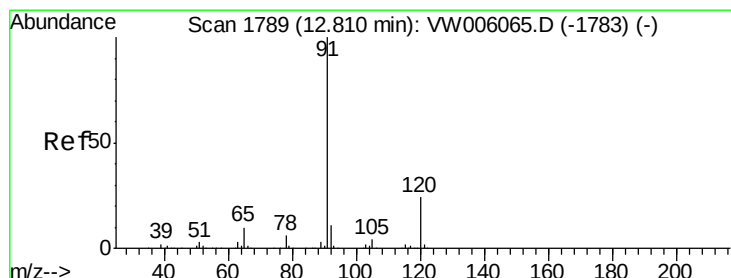
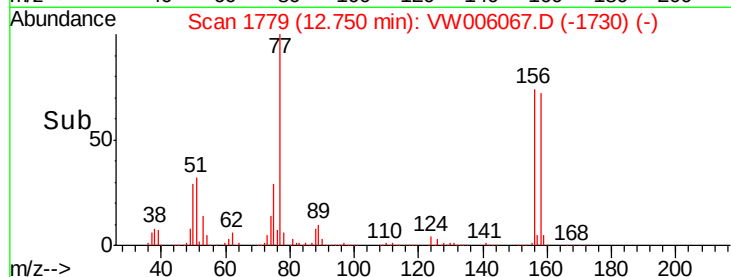
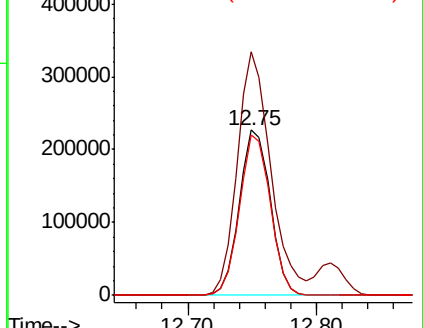
158 96.7 48.5 145.6



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: 92.691 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006067.D

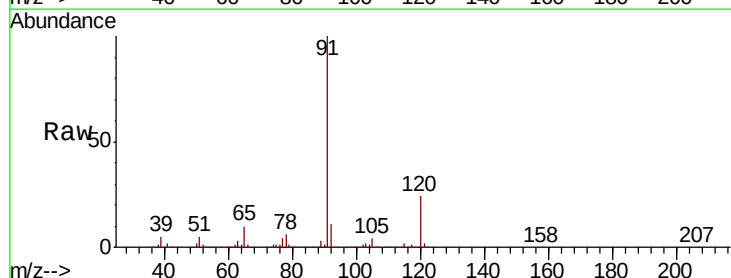
Acq: 15 Oct 2018 19:12

Tgt Ion: 91 Resp: 1750787

Ion Ratio Lower Upper

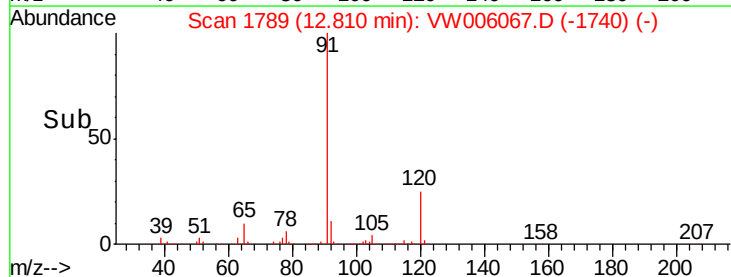
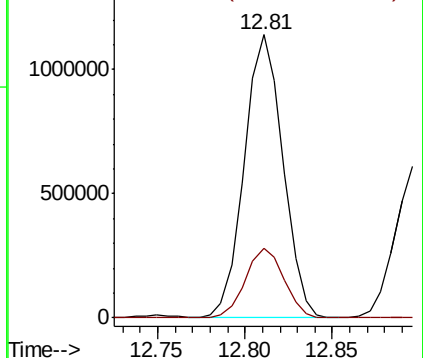
91 100

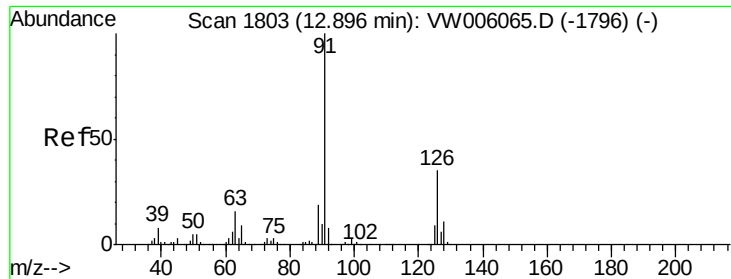
120 24.6 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 93.834 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

ClientSampleId :

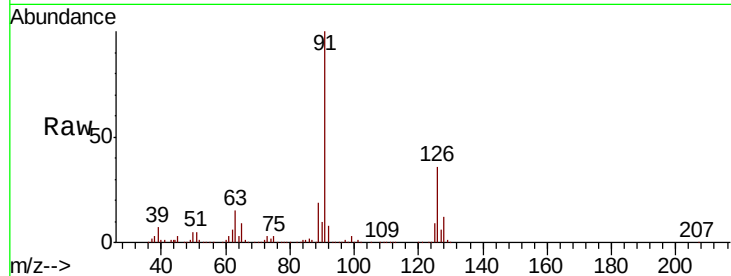
VSTDIC100

Tgt Ion: 91 Resp: 1001726

Ion Ratio Lower Upper

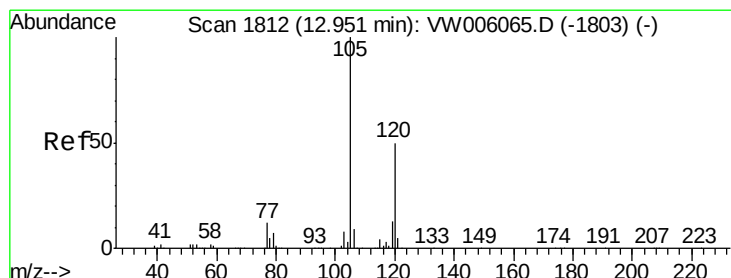
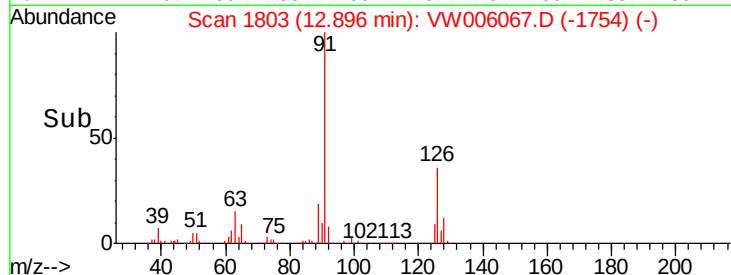
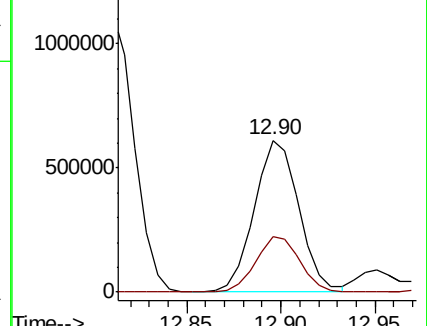
91 100

126 36.4 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 94.540 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006067.D

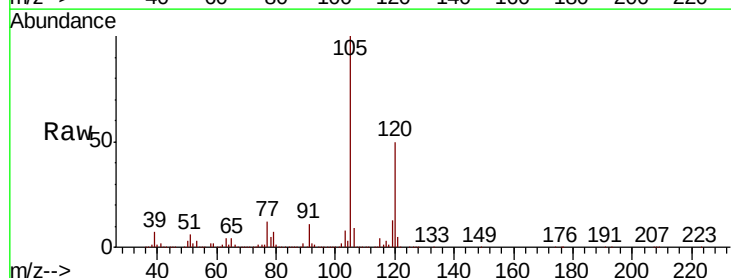
Acq: 15 Oct 2018 19:12

Tgt Ion: 105 Resp: 1284448

Ion Ratio Lower Upper

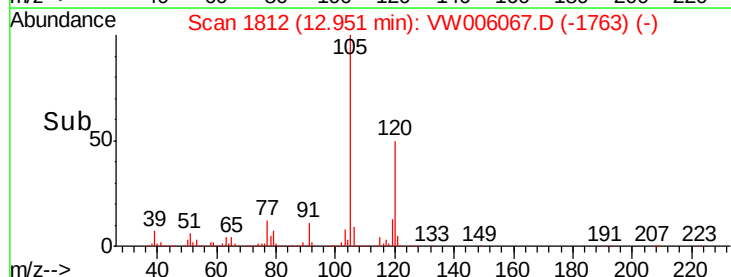
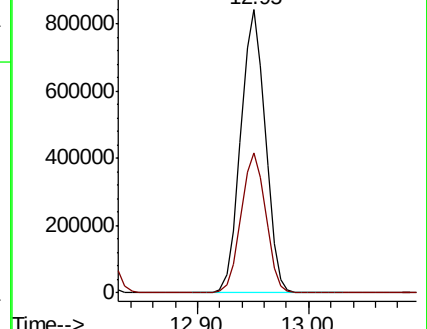
105 100

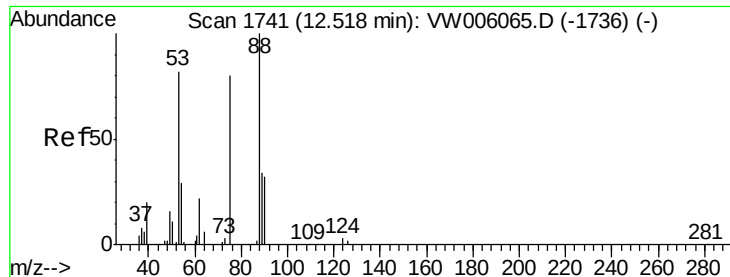
120 49.5 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 83.731 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

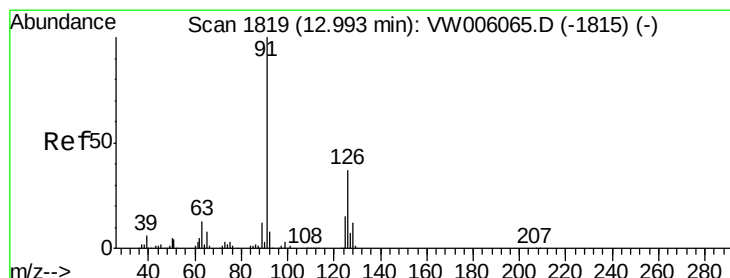
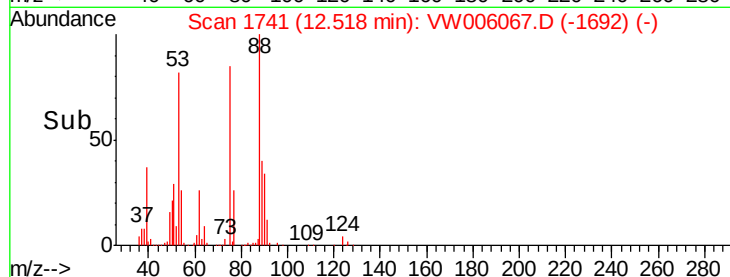
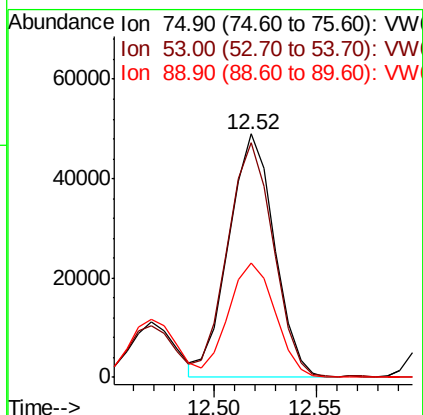
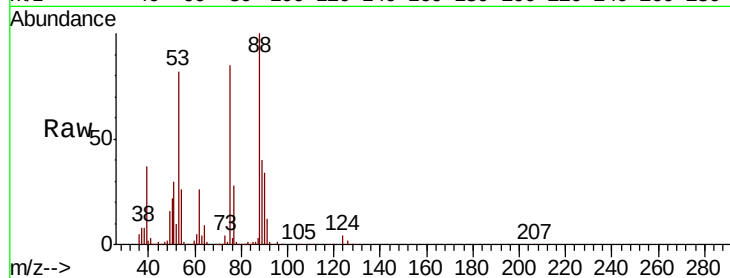
Tgt Ion: 75 Resp: 75752

Ion Ratio Lower Upper

75 100

53 98.2 79.8 119.6

89 48.1 37.5 56.3



#82

4-Chlorotoluene

Concen: 92.708 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW006067.D

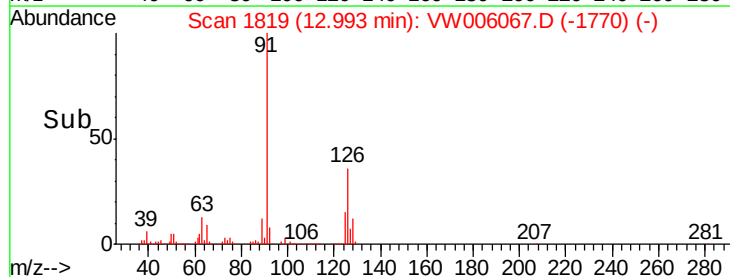
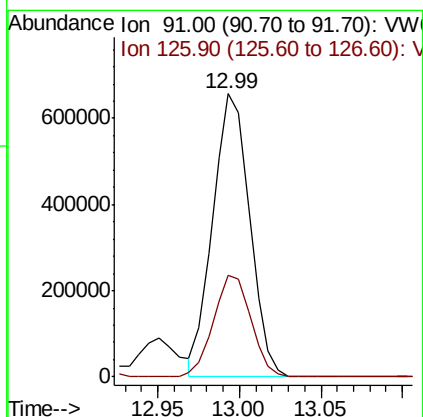
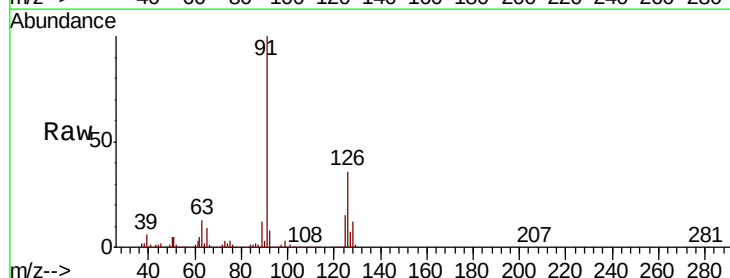
Acq: 15 Oct 2018 19:12

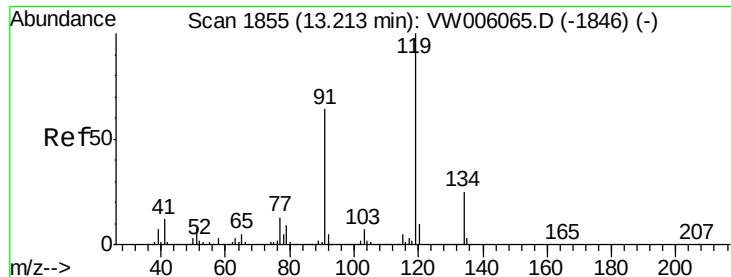
Tgt Ion: 91 Resp: 1037081

Ion Ratio Lower Upper

91 100

126 36.7 18.1 54.3

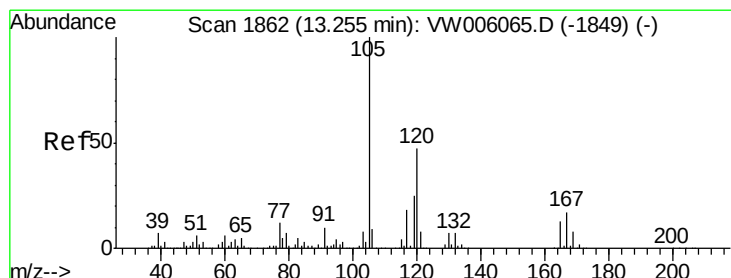
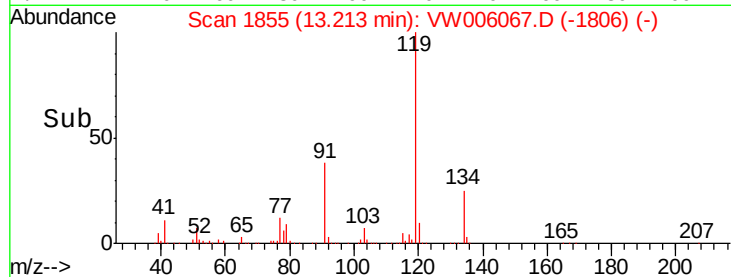
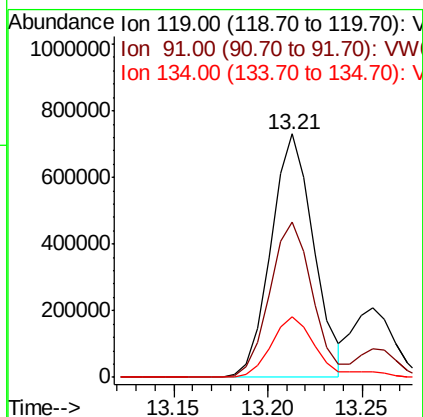
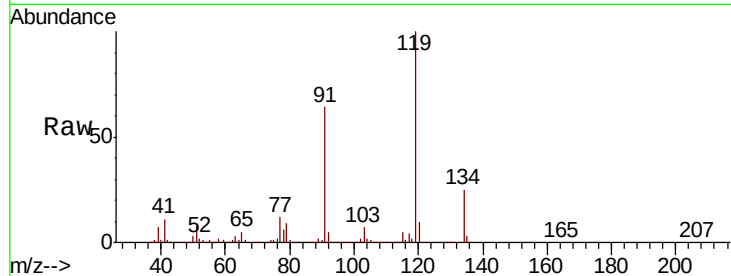




#83
 tert-Butylbenzene
 Concen: 95.227 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW006067.D
 Acq: 15 Oct 2018 19:12

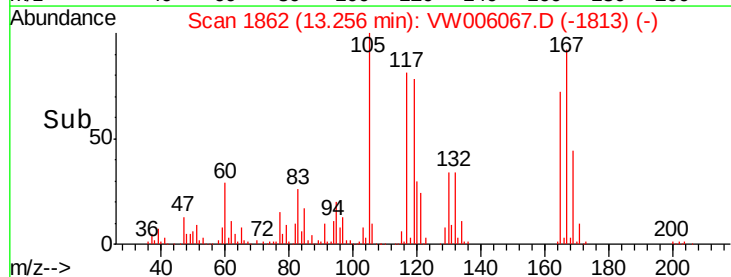
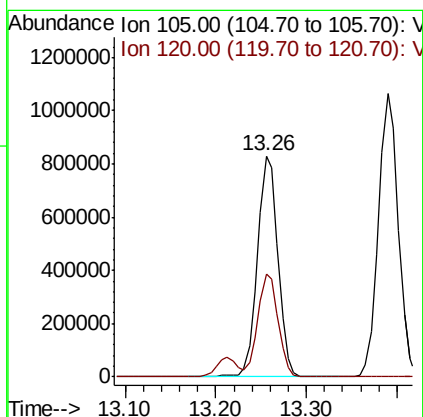
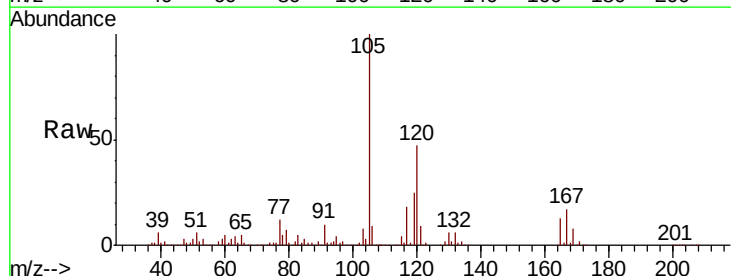
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

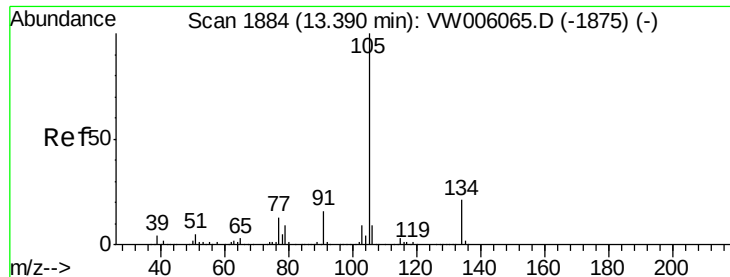
Tgt Ion:119 Resp: 1149331
 Ion Ratio Lower Upper
 119 100
 91 63.3 32.3 96.9
 134 25.0 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 94.521 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW006067.D
 Acq: 15 Oct 2018 19:12

Tgt Ion:105 Resp: 1294053
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.1 69.3





#85

sec-Butylbenzene

Concen: 94.754 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

ClientSampleId :

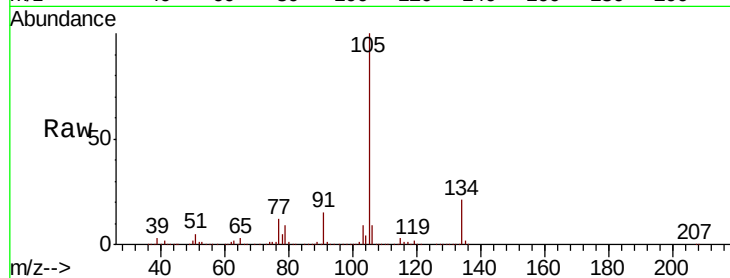
VSTDIC100

Tgt Ion:105 Resp: 1606579

Ion Ratio Lower Upper

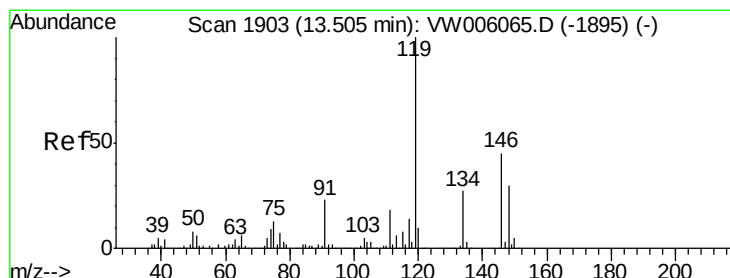
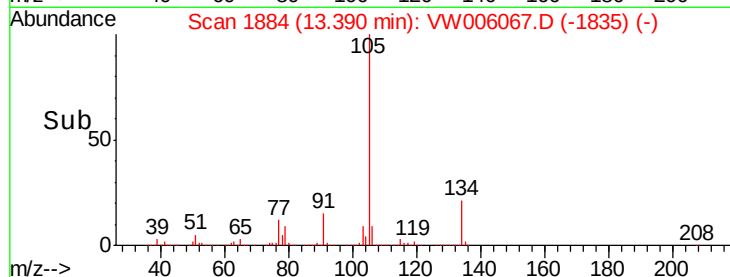
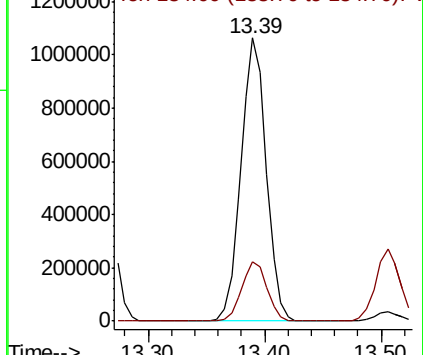
105 100

134 21.3 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 95.577 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

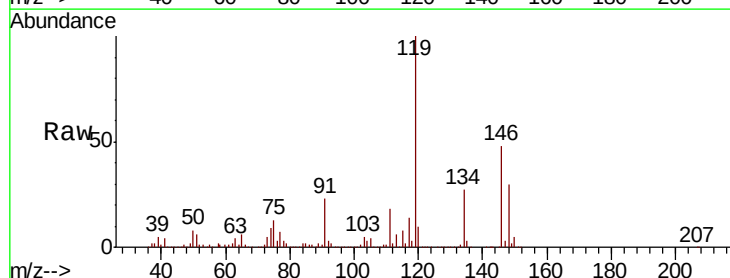
Tgt Ion:119 Resp: 1459499

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

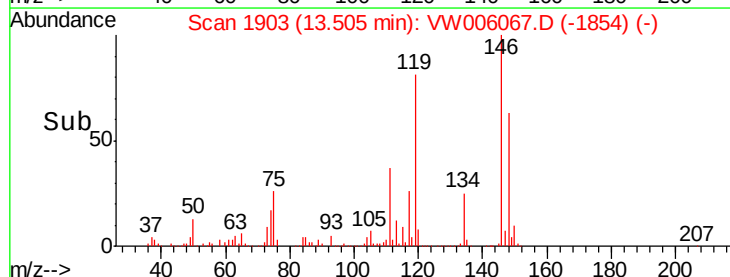
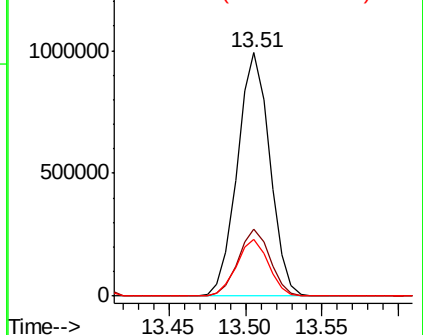
91 22.9 11.4 34.1

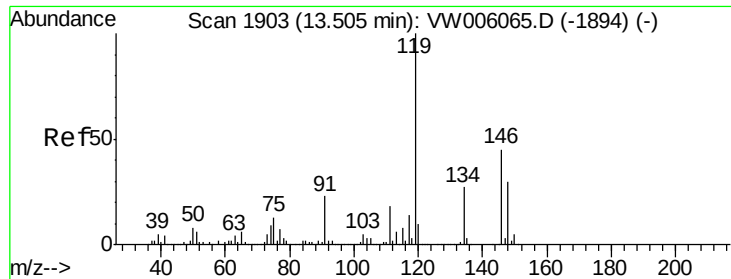


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

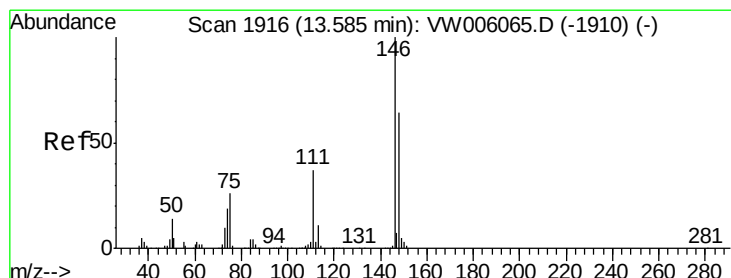
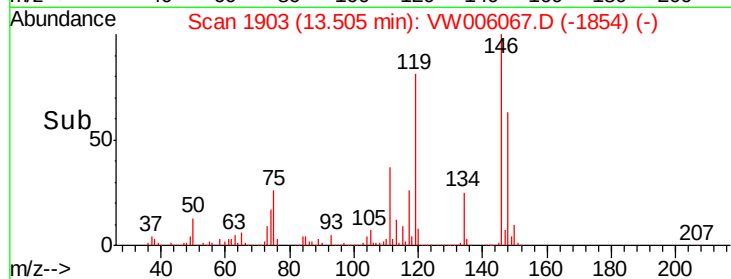
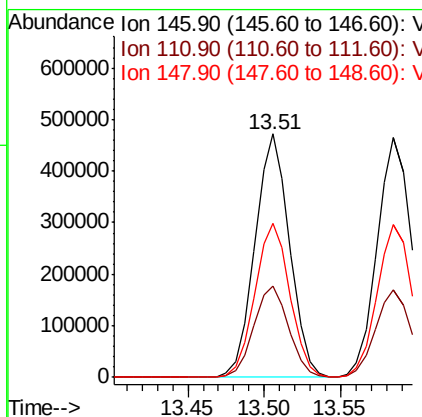
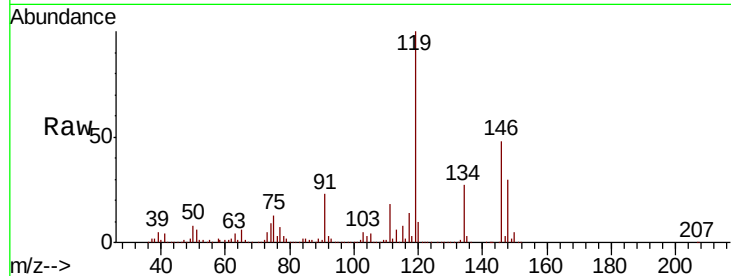




#87
 1,3-Dichlorobenzene
 Concen: 97.489 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006067.D
 Acq: 15 Oct 2018 19:12

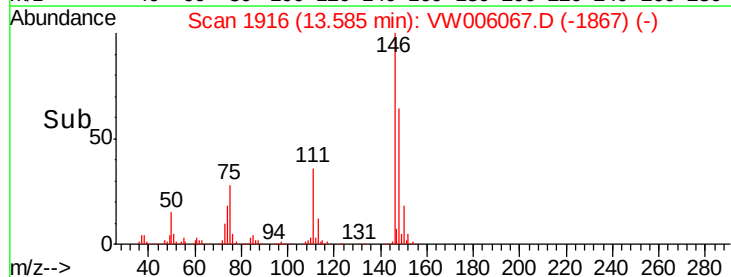
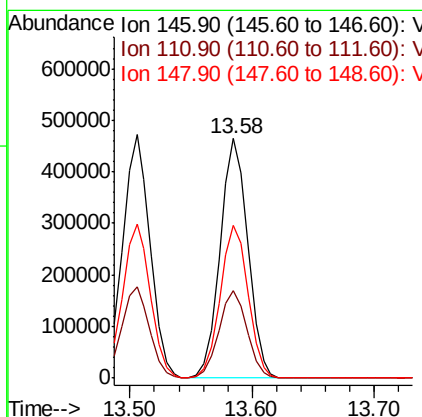
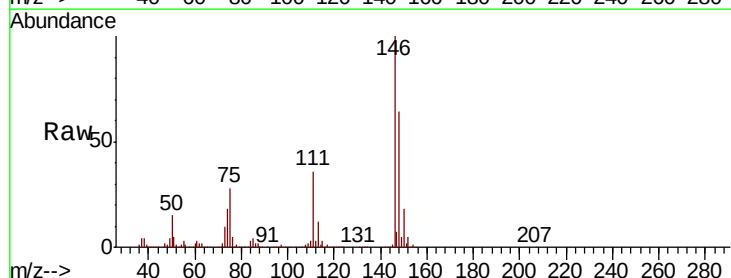
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

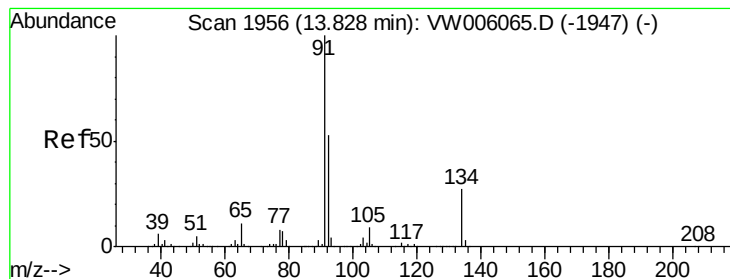
Tgt Ion:146 Resp: 740745
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.1 57.5
 148 64.0 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 96.617 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006067.D
 Acq: 15 Oct 2018 19:12

Tgt Ion:146 Resp: 729424
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.6 56.0
 148 64.2 32.1 96.5





#89

n-Butylbenzene

Concen: 92.683 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006067.D

Acq: 15 Oct 2018 19:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

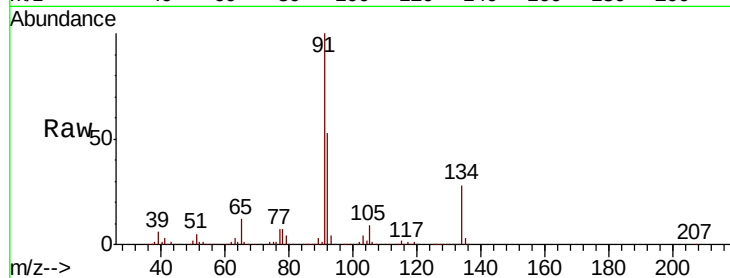
Tgt Ion: 91 Resp: 1325613

Ion Ratio Lower Upper

91 100

92 53.0 26.6 79.7

134 28.3 14.0 41.9

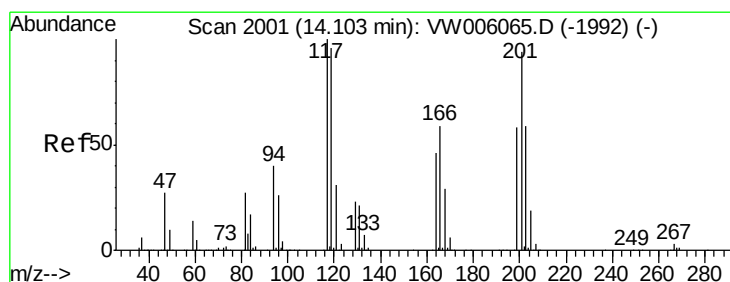
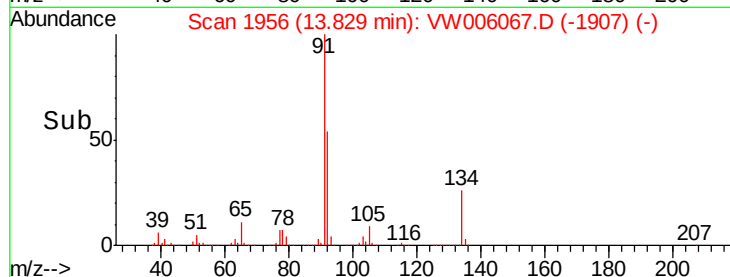
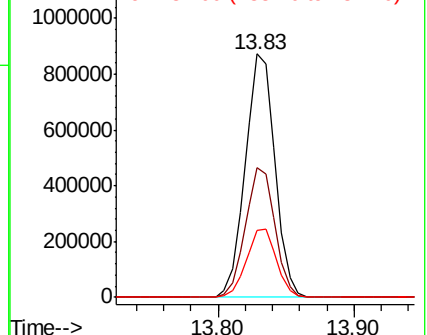


Abundance

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): V



#90

Hexachloroethane

Concen: 91.544 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.00 min

Lab File: VW006067.D

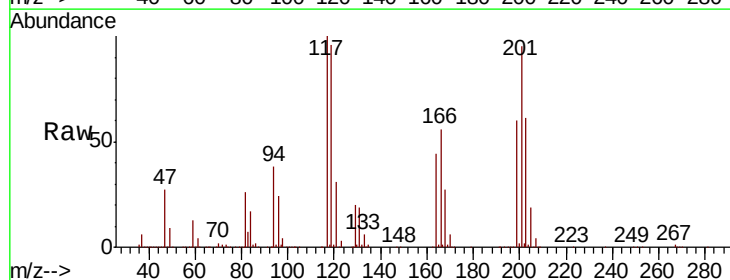
Acq: 15 Oct 2018 19:12

Tgt Ion: 117 Resp: 260066

Ion Ratio Lower Upper

117 100

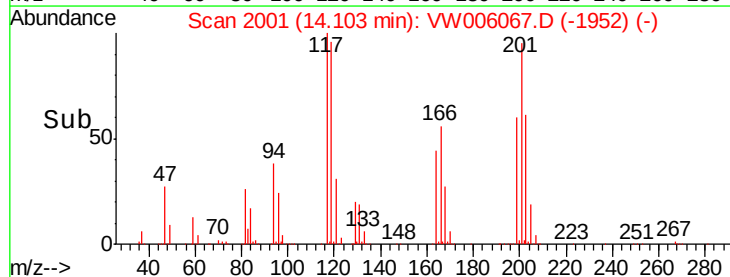
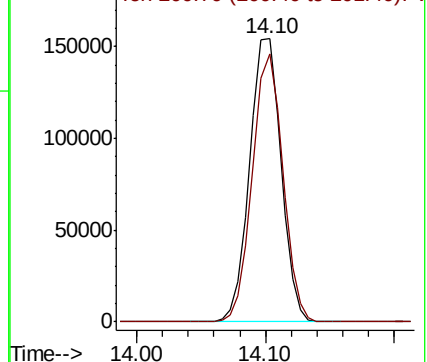
201 91.9 45.3 135.9

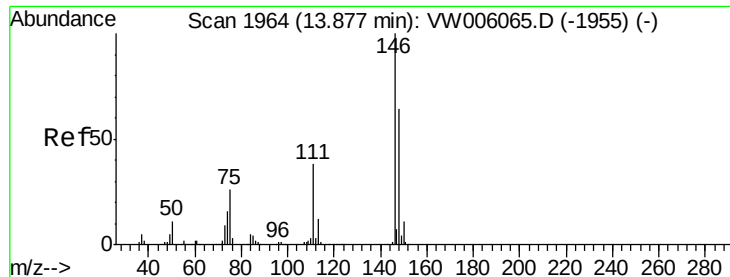


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

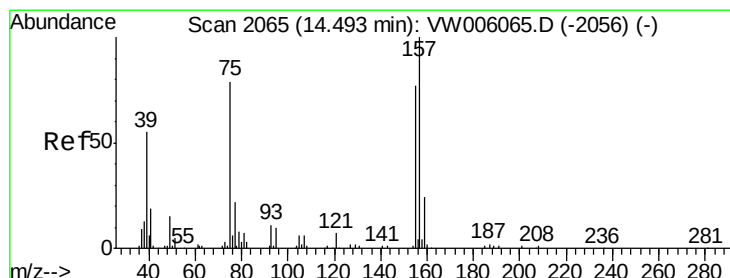
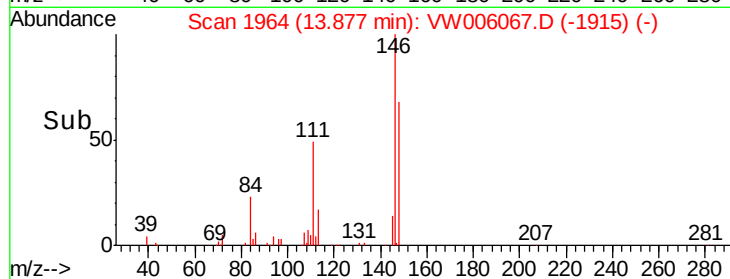
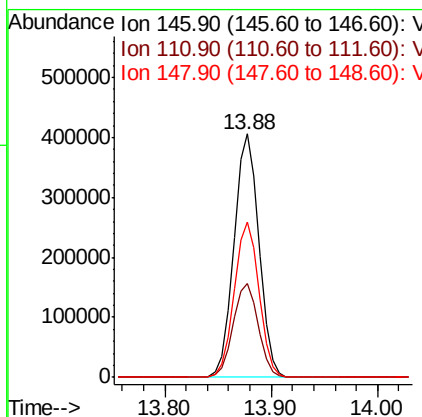
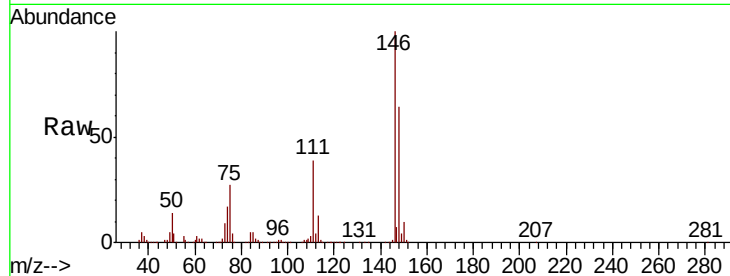




#91
 1,2-Dichlorobenzene
 Concen: 98.485 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006067.D
 Acq: 15 Oct 2018 19:12

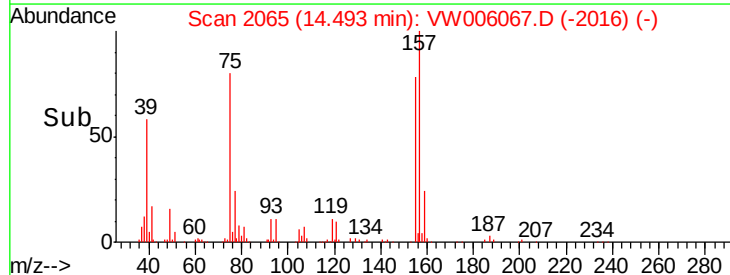
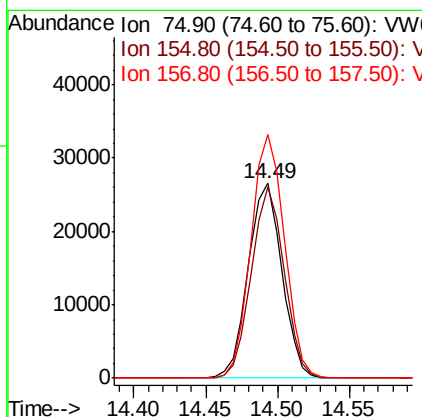
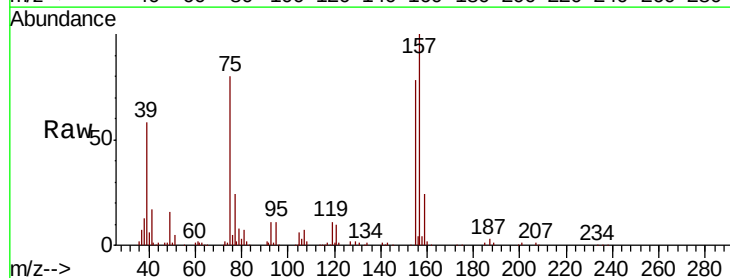
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

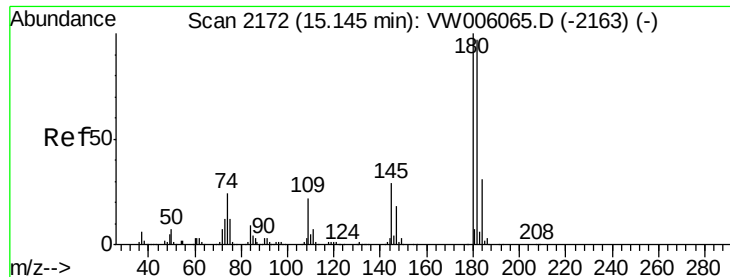
Tgt Ion:146 Resp: 665589
 Ion Ratio Lower Upper
 146 100
 111 39.0 19.6 58.7
 148 63.6 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 88.479 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW006067.D
 Acq: 15 Oct 2018 19:12

Tgt Ion: 75 Resp: 42846
 Ion Ratio Lower Upper
 75 100
 155 95.4 46.5 139.5
 157 124.0 59.8 179.4

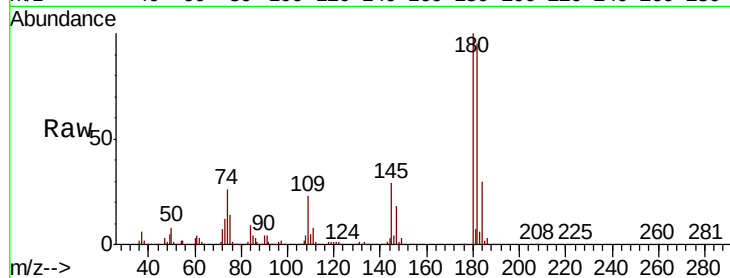




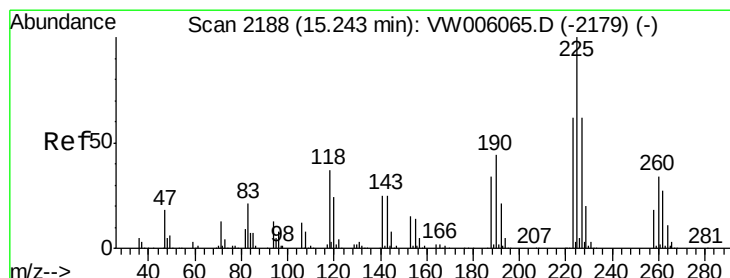
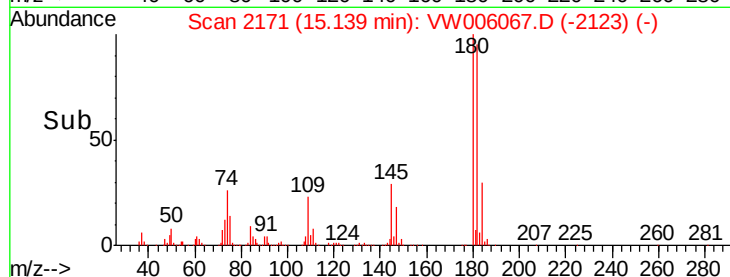
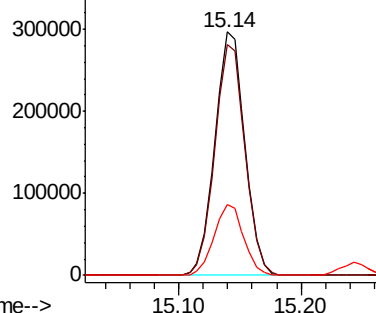
#93
 1,2,4-Trichlorobenzene
 Concen: 96.866 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006067.D
 Acq: 15 Oct 2018 19:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion:180 Resp: 504022
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.9 143.6
 145 28.9 14.2 42.8

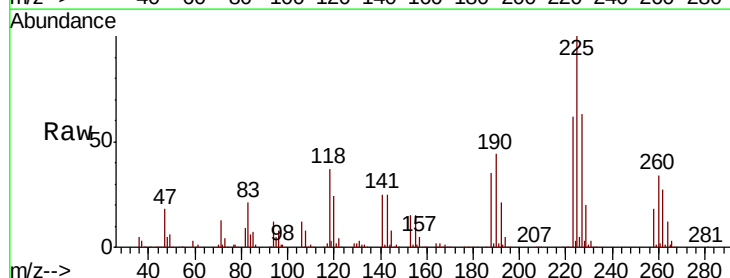


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

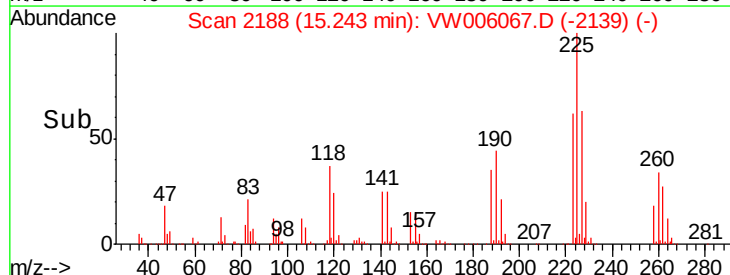
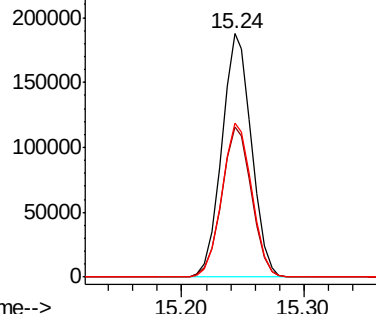


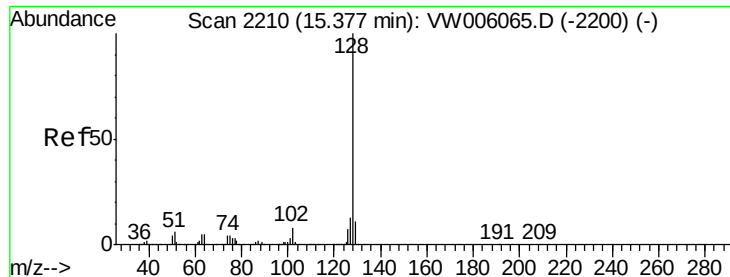
#94
 Hexachlorobutadiene
 Concen: 96.943 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006067.D
 Acq: 15 Oct 2018 19:12

Tgt Ion:225 Resp: 315024
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.1 93.5
 227 64.1 32.4 97.0



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

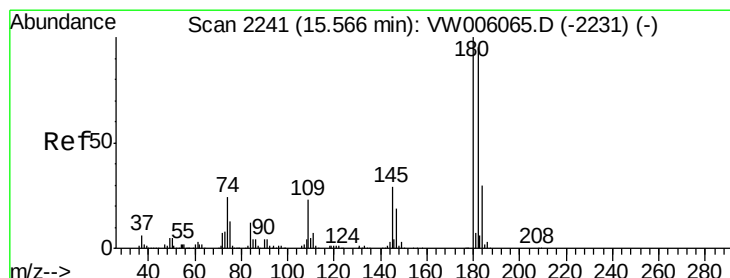
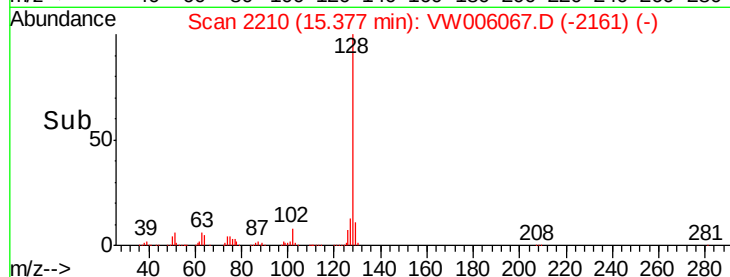
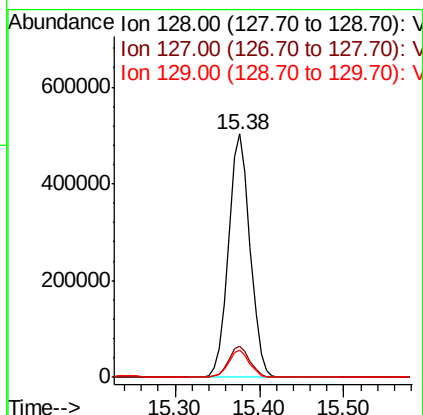
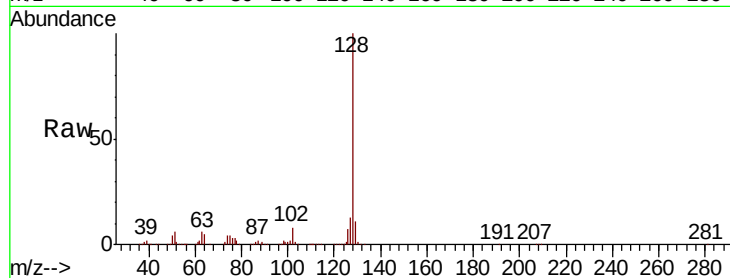




#95
Naphthalene
Concen: 97.571 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 872413
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 98.171 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006067.D
Acq: 15 Oct 2018 19:12

Tgt Ion:180 Resp: 442466
Ion Ratio Lower Upper
180 100
182 95.1 47.8 143.3
145 30.4 15.0 45.1

