

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112118\
 Data File : VW006979.D
 Acq On : 20 Nov 2018 16:21
 Operator : SY/AP
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Quant Time: Nov 21 03:01:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 02:56:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	117237	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	187580	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	176332	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	83947	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	173293	150.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.96%	
35) Dibromofluoromethane	7.88	113	169621	160.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	320.24%	
50) Toluene-d8	10.33	98	694599	148.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	296.98%	
62) 4-Bromofluorobenzene	12.62	95	263312	143.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	286.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	163594	141.331	ug/l	99
3) Chloromethane	2.21	50	144802	150.109	ug/l	99
4) Vinyl Chloride	2.36	62	140540	148.076	ug/l	100
5) Bromomethane	2.78	94	67312	132.876	ug/l	94
6) Chloroethane	2.92	64	74543	142.478	ug/l	99
7) Trichlorofluoromethane	3.26	101	287578	154.091	ug/l	96
8) Diethyl Ether	3.69	74	88920	147.865	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	172863	142.872	ug/l	99
10) Methyl Iodide	4.28	142	237153	171.225	ug/l	99
11) Tert butyl alcohol	5.22	59	55148	748.822	ug/l #	87
12) 1,1-Dichloroethene	4.04	96	163585	154.157	ug/l	96
13) Acrolein	3.90	56	50564	658.955	ug/l	98
14) Allyl chloride	4.67	41	278160	158.039	ug/l	100
15) Acrylonitrile	5.38	53	175006	774.295	ug/l	99
16) Acetone	4.15	43	123878	743.370	ug/l	98
17) Carbon Disulfide	4.38	76	558986	162.934	ug/l	98
18) Methyl Acetate	4.68	43	88567	149.243	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	414796	149.703	ug/l	100
20) Methylene Chloride	4.92	84	184944	112.296	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	187539	151.713	ug/l	95
22) Diisopropyl ether	6.32	45	524507	153.107	ug/l	99
23) Vinyl Acetate	6.26	43	1417476	779.168	ug/l	100
24) 1,1-Dichloroethane	6.22	63	325221	156.053	ug/l	99
25) 2-Butanone	7.18	43	207399	726.657	ug/l	100
26) 2,2-Dichloropropane	7.17	77	272043	145.159	ug/l	99
27) cis-1,2-Dichloroethene	7.18	96	205615	156.197	ug/l	99
28) Bromochloromethane	7.52	49	119770	153.766	ug/l #	98
29) Tetrahydrofuran	7.53	42	139992	757.331	ug/l	99
30) Chloroform	7.68	83	334606	151.127	ug/l	97
31) Cyclohexane	7.96	56	287453	130.038	ug/l	96
32) 1,1,1-Trichloroethane	7.88	97	291095	145.966	ug/l	100
36) 1,1-Dichloropropene	8.09	75	256201	139.767	ug/l	100
37) Ethyl Acetate	7.26	43	93827	141.253	ug/l	98
38) Carbon Tetrachloride	8.07	117	250643	142.791	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	336159	146.545	ug/l	98
40) Benzene	8.33	78	727058	146.939	ug/l	99
41) Methacrylonitrile	7.49	41	60176	145.877	ug/l	96
42) 1,2-Dichloroethane	8.40	62	210596	146.598	ug/l	99
43) Isopropyl Acetate	8.43	43	199072	157.266	ug/l	98
44) Trichloroethene	9.09	130	198885	143.386	ug/l	99
45) 1,2-Dichloropropane	9.37	63	176702	144.870	ug/l	99
46) Dibromomethane	9.46	93	91882	150.425	ug/l	98
47) Bromodichloromethane	9.65	83	235544	146.362	ug/l	98
48) Methyl methacrylate	9.44	41	95560	156.565	ug/l	99
49) 1,4-Dioxane	9.48	88	25920	2855.054	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	464144	725.570	ug/l	100
52) Toluene	10.39	92	494784	146.935	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	246284	157.978	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	288346	153.094	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	131858	146.725	ug/l	99
56) Ethyl methacrylate	10.65	69	166836	159.933	ug/l	98
57) 1,3-Dichloropropane	10.93	76	223076	148.123	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	389005	713.631	ug/l	100
59) 2-Hexanone	10.97	43	318739	727.618	ug/l	99
60) Dibromochloromethane	11.13	129	160063	156.310	ug/l	99
61) 1,2-Dibromoethane	11.24	107	124975	152.021	ug/l	99
64) Tetrachloroethene	10.87	164	166237	146.544	ug/l	98
65) Chlorobenzene	11.66	112	542388	147.375	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	174144	156.418	ug/l	99
67) Ethyl Benzene	11.73	91	987415	146.047	ug/l	98
68) m/p-Xylenes	11.84	106	767420	289.316	ug/l	100
69) o-Xylene	12.17	106	362898	145.094	ug/l	99
70) Styrene	12.18	104	588485	147.834	ug/l	99
71) Bromoform	12.35	173	84757	161.606	ug/l #	99
73) Isopropylbenzene	12.47	105	1001267	153.469	ug/l	100
74) N-amyl acetate	12.27	43	176034	160.988	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	132393	152.479	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	186747	171.874	ug/l #	100
77) Bromobenzene	12.75	156	210648	150.324	ug/l	98
78) n-propylbenzene	12.81	91	1197801	151.566	ug/l	99
79) 2-Chlorotoluene	12.90	91	690050	151.436	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	856870	151.877	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	42968	163.534	ug/l	99
82) 4-Chlorotoluene	12.99	91	720988	150.776	ug/l	99
83) tert-Butylbenzene	13.21	119	732211	149.902	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	852923	151.738	ug/l	100
85) sec-Butylbenzene	13.39	105	1030096	149.276	ug/l	99
86) p-Isopropyltoluene	13.51	119	901400	148.066	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	411519	143.849	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	415292	145.599	ug/l	99
89) n-Butylbenzene	13.83	91	869785	151.821	ug/l	99
90) Hexachloroethane	14.10	117	146503	164.833	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	363138	144.867	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	23692	161.562	ug/l	95

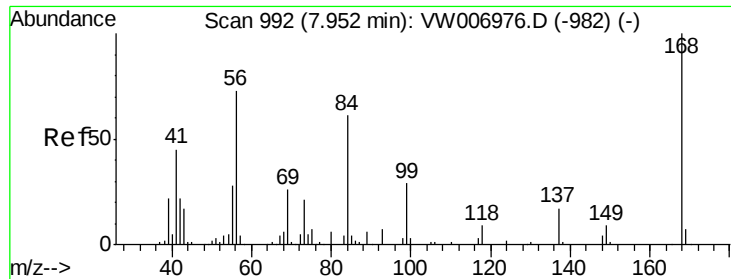
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW112118\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	257384	155.712	ug/l	100
94) Hexachlorobutadiene	15.24	225	129042	143.604	ug/l	99
95) Naphthalene	15.38	128	482699	160.874	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	217371	158.510	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006979.D

Acq: 20 Nov 2018 16:21

Instrument :

MSVOA_W

ClientSampleId :

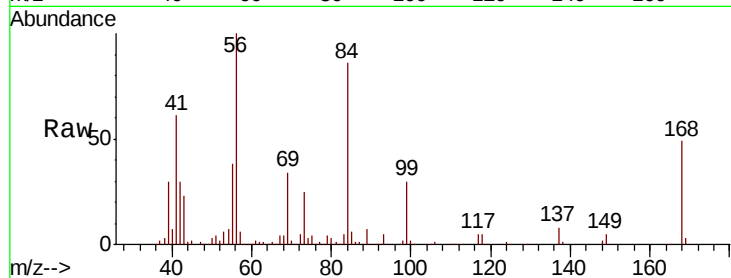
VSTDIC150

Tgt Ion:168 Resp: 117237

Ion Ratio Lower Upper

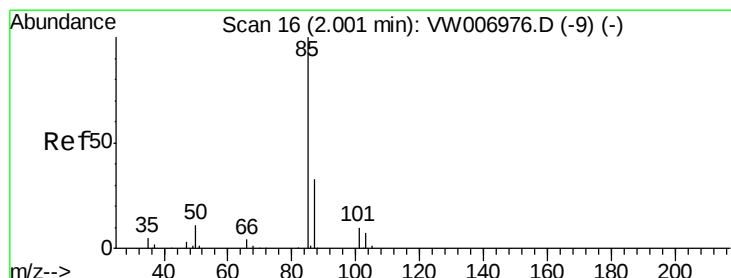
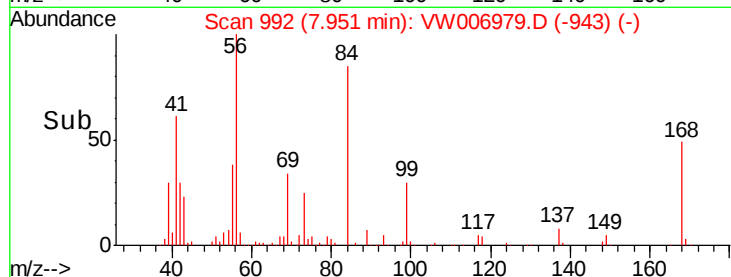
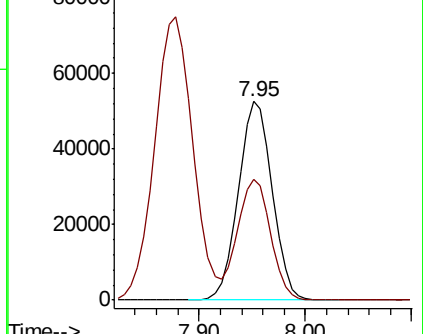
168 100

99 61.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 141.331 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW006979.D

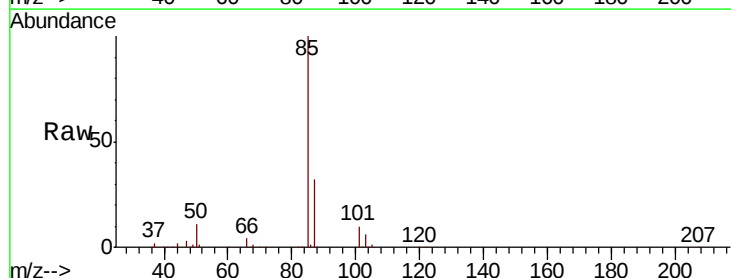
Acq: 20 Nov 2018 16:21

Tgt Ion: 85 Resp: 163594

Ion Ratio Lower Upper

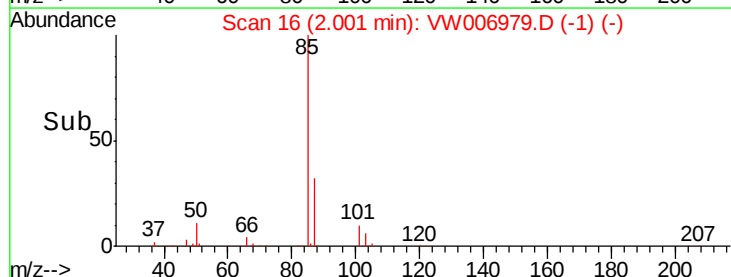
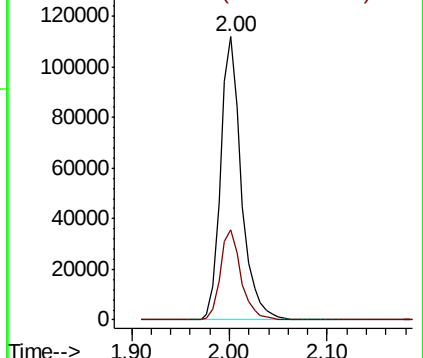
85 100

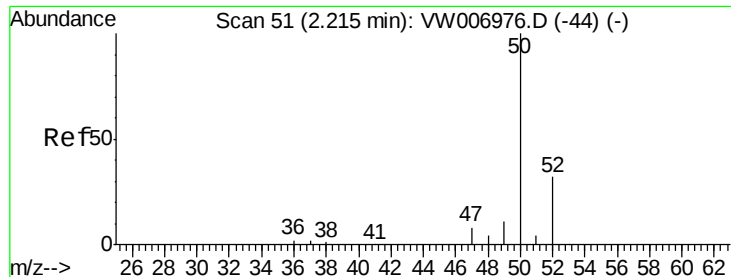
87 31.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 150.109 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW006979.D

Acq: 20 Nov 2018 16:21

Instrument :

MSVOA_W

ClientSampleId :

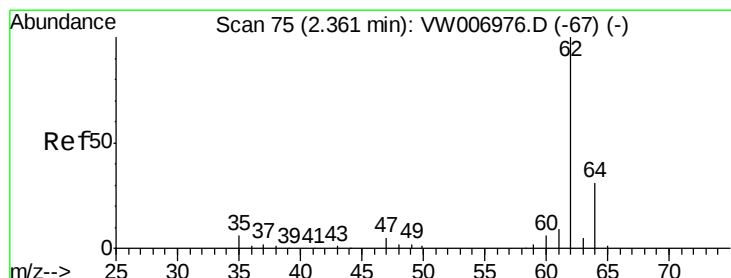
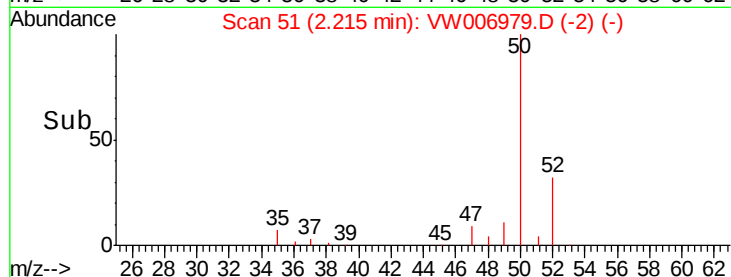
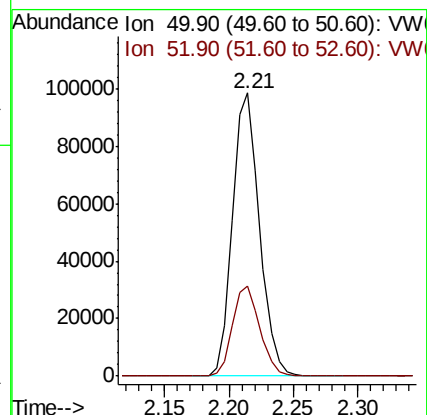
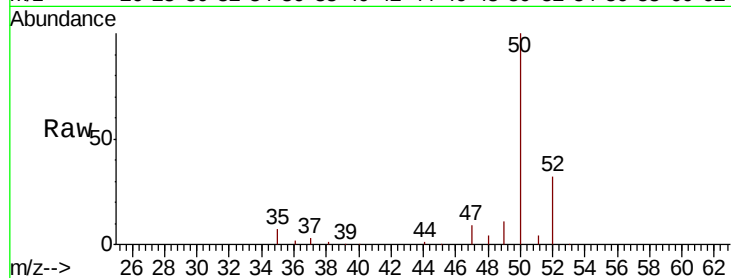
VSTDIC150

Tgt Ion: 50 Resp: 144802

Ion Ratio Lower Upper

50 100

52 31.8 25.7 38.5



#4

Vinyl Chloride

Concen: 148.076 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW006979.D

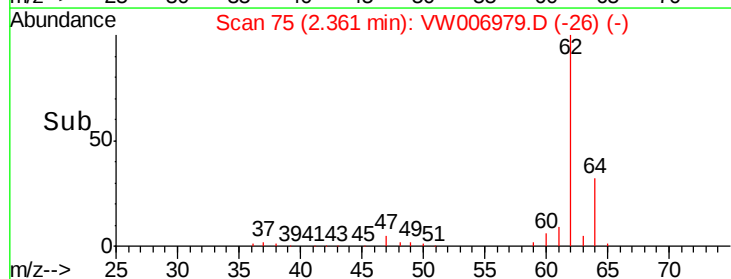
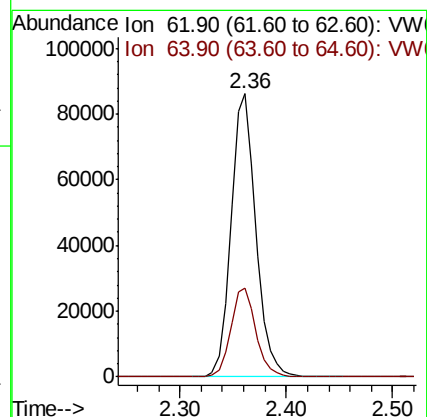
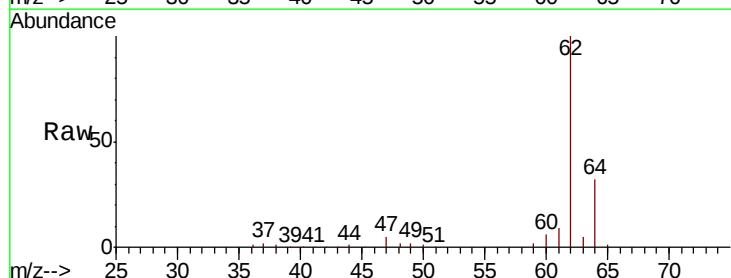
Acq: 20 Nov 2018 16:21

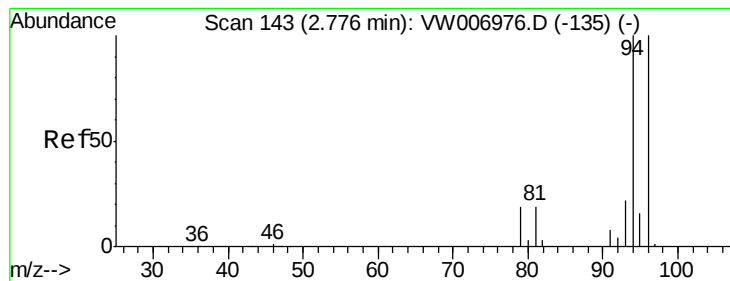
Tgt Ion: 62 Resp: 140540

Ion Ratio Lower Upper

62 100

64 31.6 25.2 37.8





#5

Bromomethane

Concen: 132.876 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW006979.D

Acq: 20 Nov 2018 16:21

Instrument :

MSVOA_W

ClientSampleId :

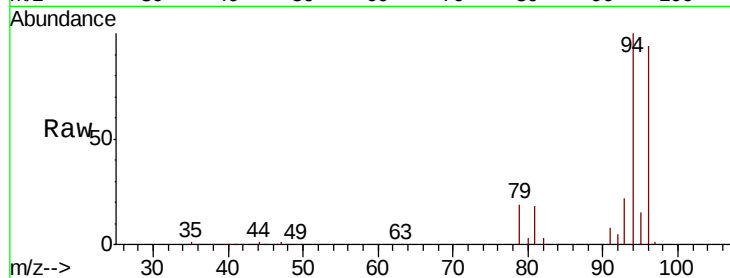
VSTDIC150

Tgt Ion: 94 Resp: 67312

Ion Ratio Lower Upper

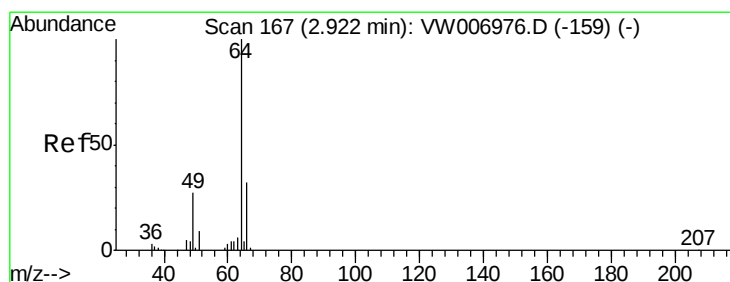
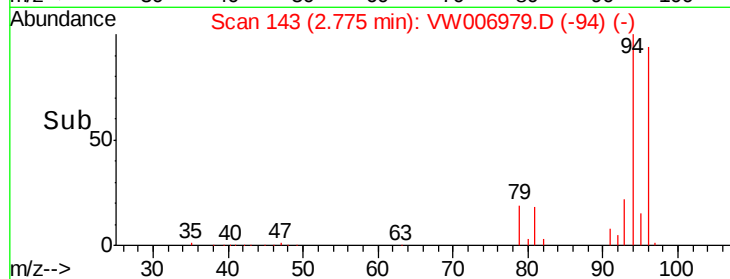
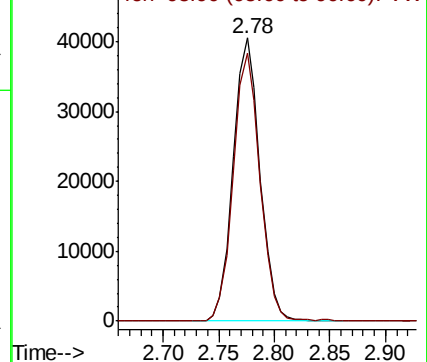
94 100

96 94.5 80.2 120.2



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 142.478 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW006979.D

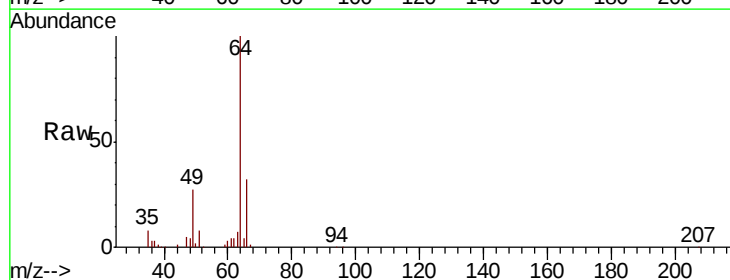
Acq: 20 Nov 2018 16:21

Tgt Ion: 64 Resp: 74543

Ion Ratio Lower Upper

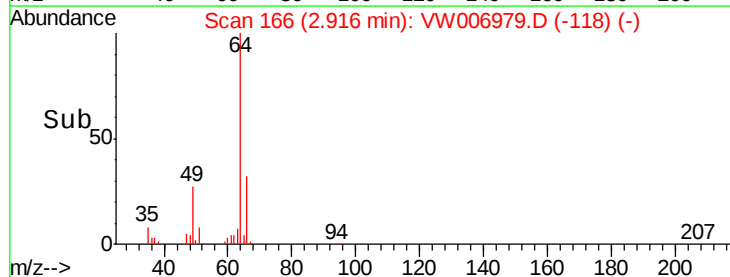
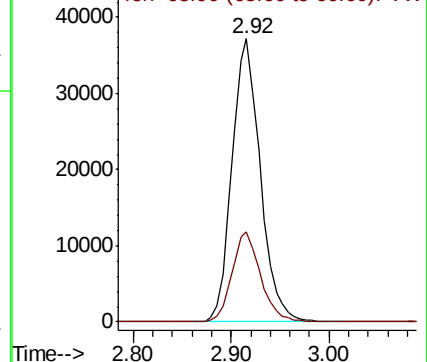
64 100

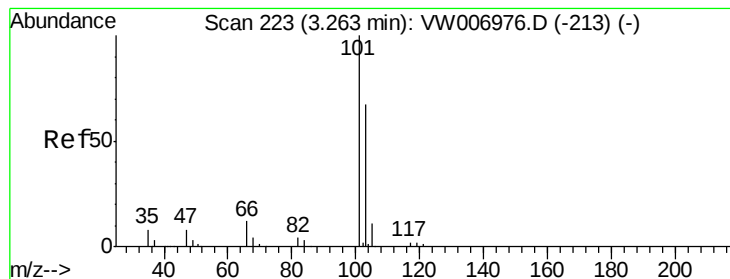
66 31.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



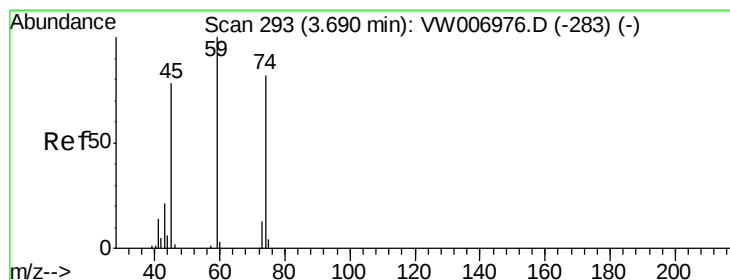
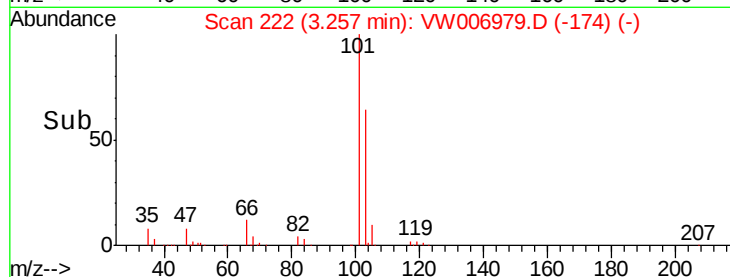
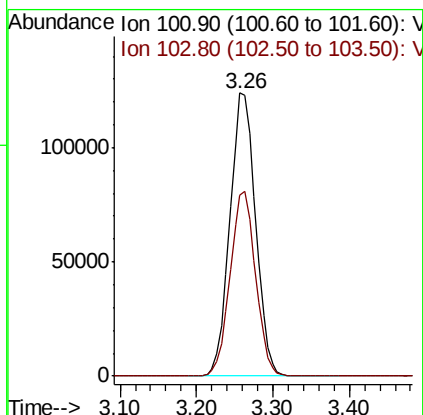
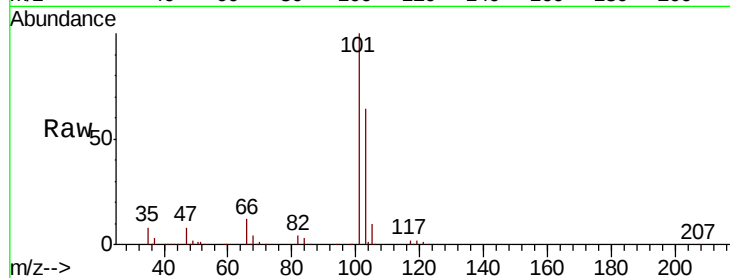


#7

Trichlorofluoromethane
 Concen: 154.091 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW006979.D
 Acq: 20 Nov 2018 16:21

Instrument :
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 ClientSampleId :
 VSTDIC150

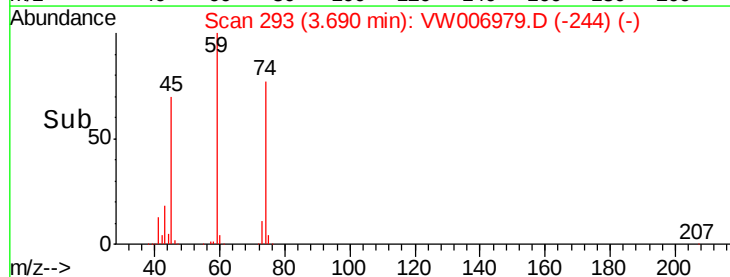
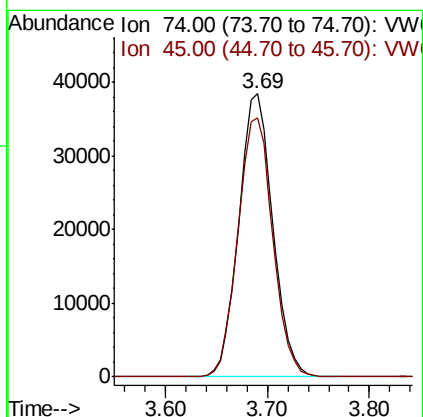
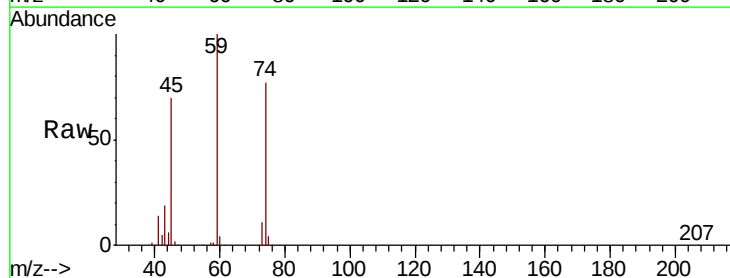
Tgt Ion: 101 Resp: 287578
 Ion Ratio Lower Upper
 101 100
 103 63.9 53.4 80.2



#8

Diethyl Ether
 Concen: 147.865 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VW006979.D
 Acq: 20 Nov 2018 16:21

Tgt Ion: 74 Resp: 88920
 Ion Ratio Lower Upper
 74 100
 45 93.9 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 142.872 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW006979.D

Acq: 20 Nov 2018 16:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

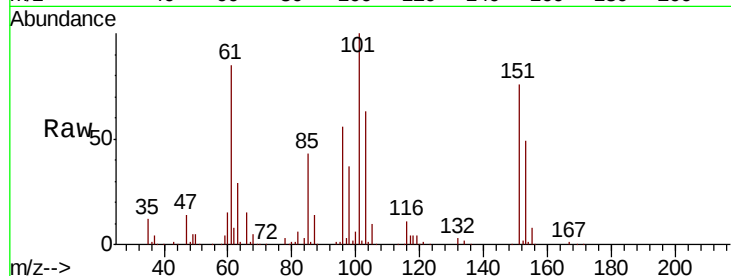
Tgt Ion:101 Resp: 172863

Ion Ratio Lower Upper

101 100

85 43.2 34.3 51.5

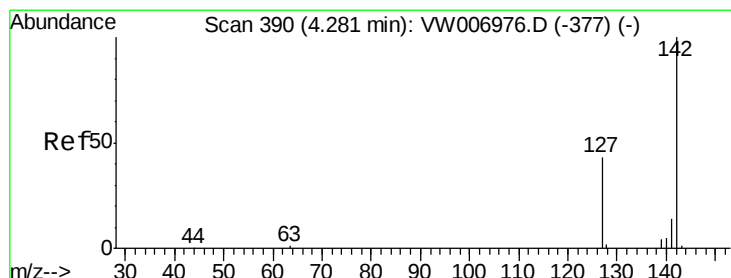
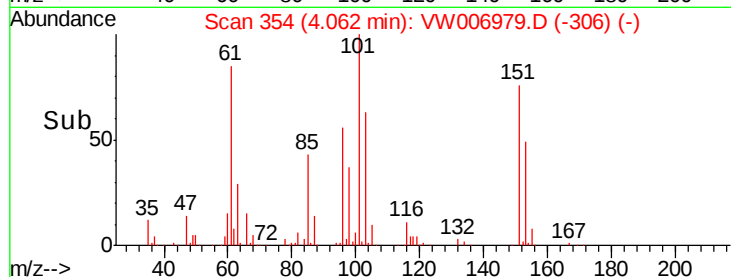
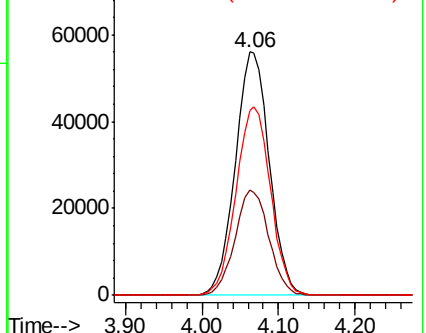
151 78.6 63.4 95.2



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: 171.225 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.01 min

Lab File: VW006979.D

Acq: 20 Nov 2018 16:21

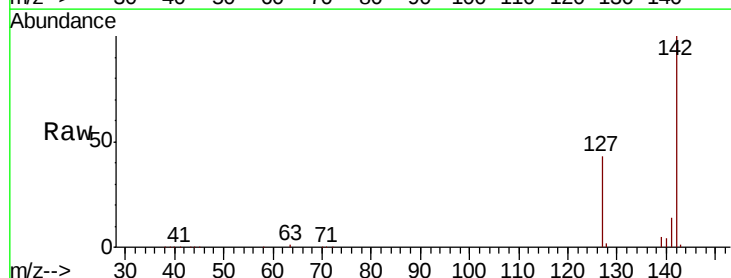
Tgt Ion:142 Resp: 237153

Ion Ratio Lower Upper

142 100

127 43.3 35.3 52.9

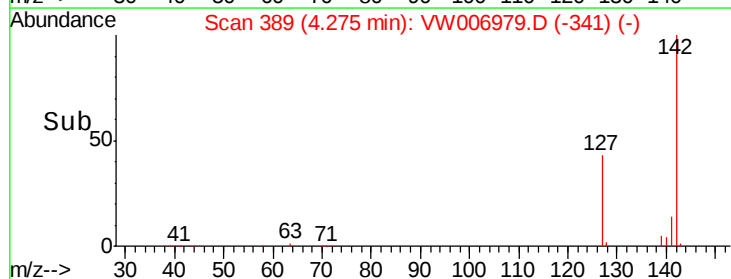
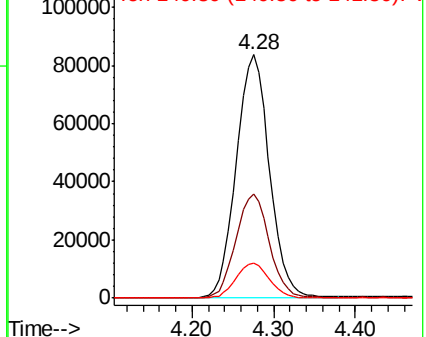
141 14.6 11.7 17.5

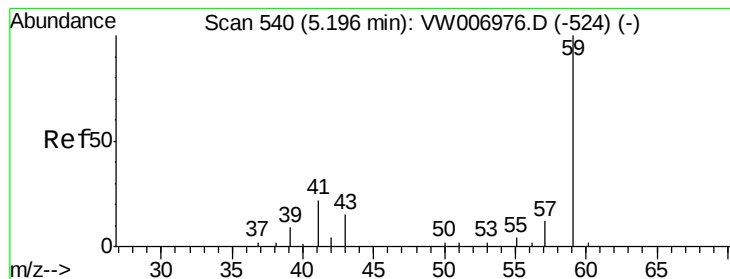


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



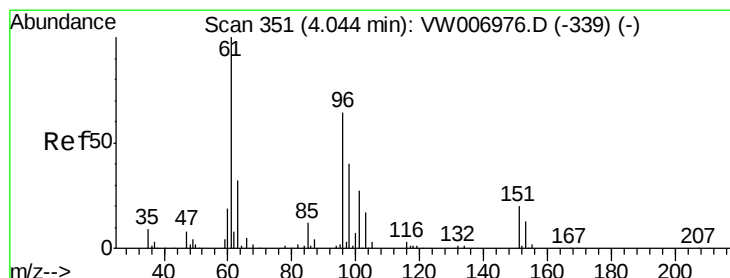
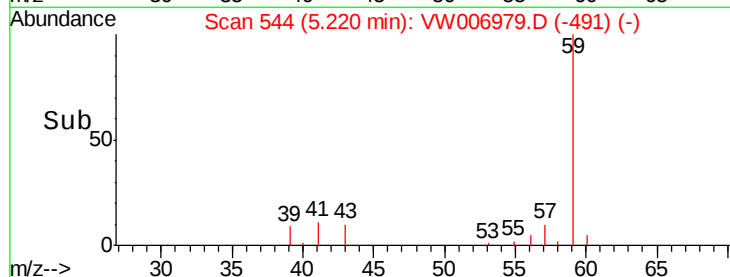
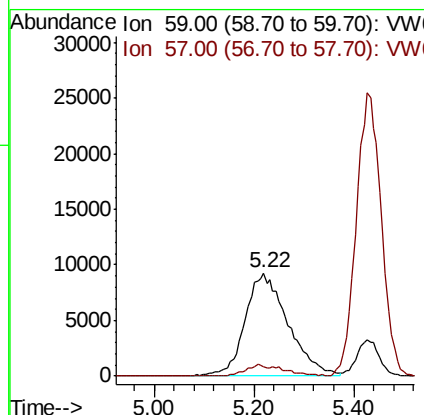
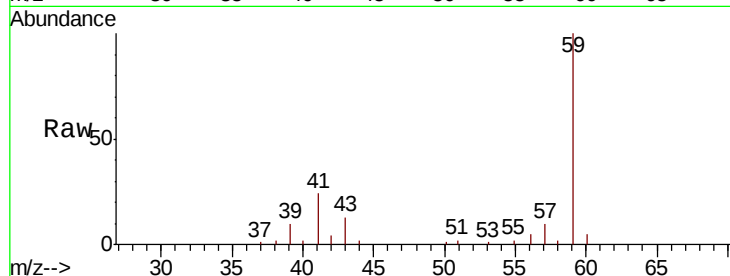


#11

Tert butyl alcohol
 Concen: 748.822 ug/l
 RT: 5.22 min Scan# 544
 Delta R.T. 0.02 min
 Lab File: VW006979.D
 Acq: 20 Nov 2018 16:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

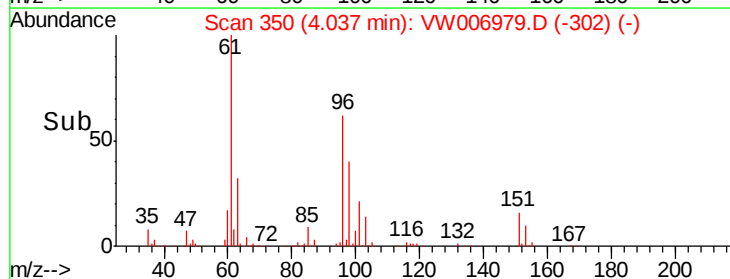
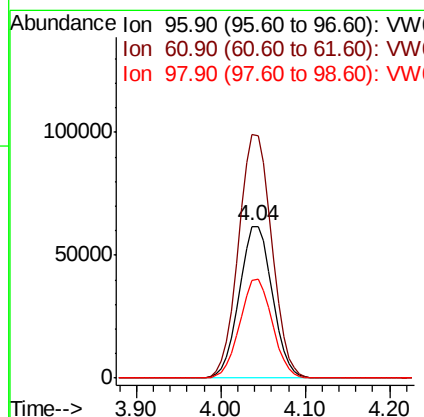
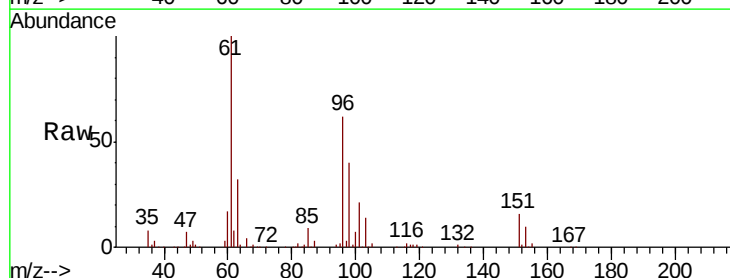
Tgt Ion: 59 Resp: 55148
 Ion Ratio Lower Upper
 59 100
 57 5.8 8.6 13.0#

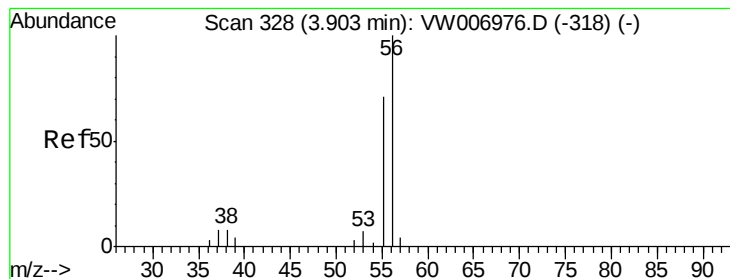


#12

1,1-Dichloroethene
 Concen: 154.157 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW006979.D
 Acq: 20 Nov 2018 16:21

Tgt Ion: 96 Resp: 163585
 Ion Ratio Lower Upper
 96 100
 61 160.3 124.3 186.5
 98 64.0 49.4 74.2





#13

Acrolein

Concen: 658.955 ug/l

RT: 3.90 min Scan# 328

Delta R.T. -0.00 min

Lab File: VW006979.D

Acq: 20 Nov 2018 16:21

Instrument :

MSVOA_W

ClientSampleId :

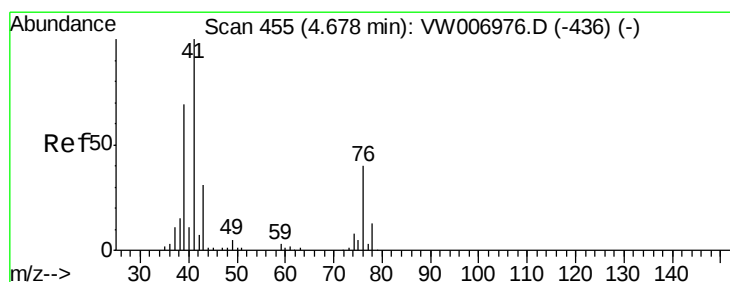
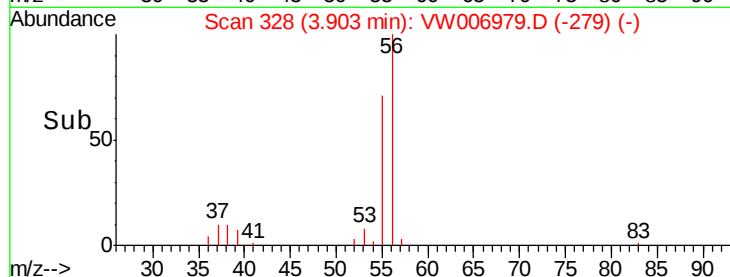
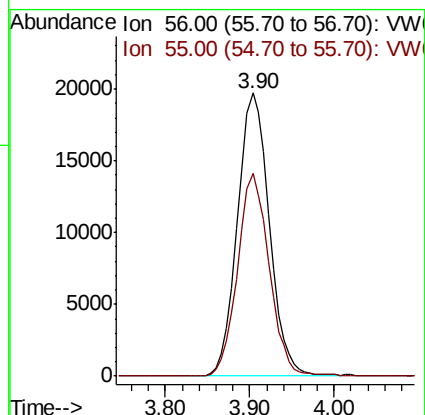
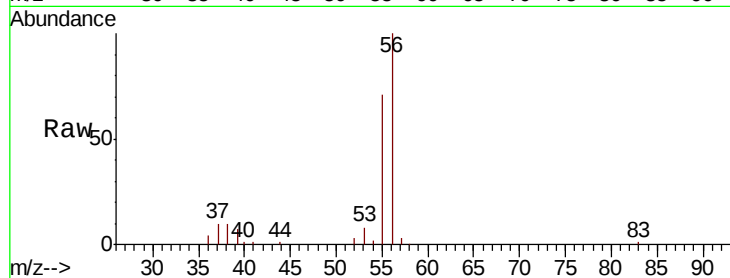
VSTDIC150

Tgt Ion: 56 Resp: 50564

Ion Ratio Lower Upper

56 100

55 70.5 57.5 86.3



#14

Allyl chloride

Concen: 158.039 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW006979.D

Acq: 20 Nov 2018 16:21

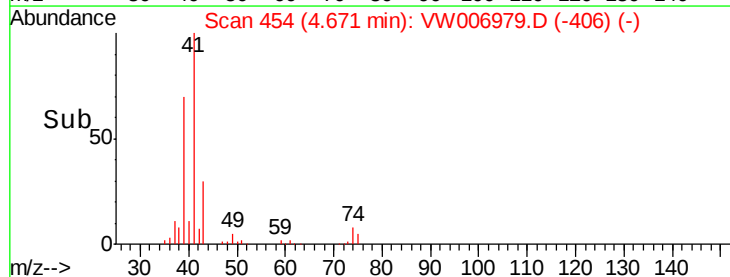
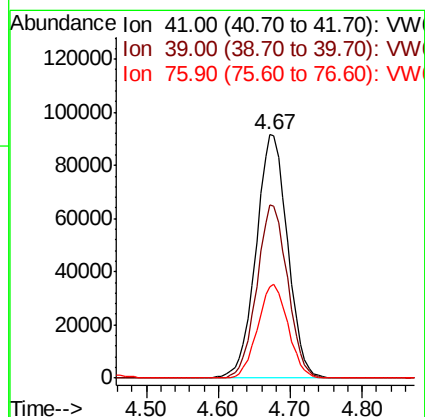
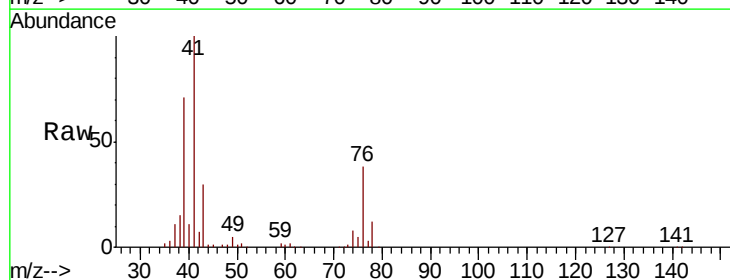
Tgt Ion: 41 Resp: 278160

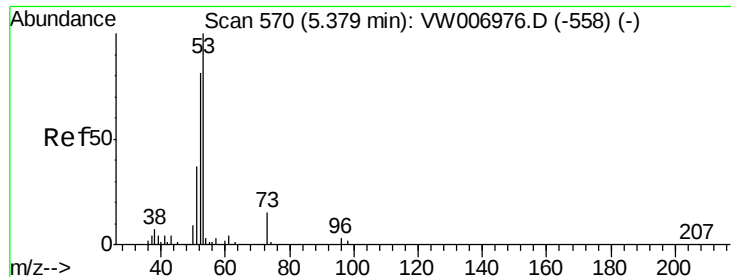
Ion Ratio Lower Upper

41 100

39 69.7 55.4 83.2

76 37.1 29.6 44.4





#15

Acrylonitrile

Concen: 774.295 ug/l

RT: 5.38 min Scan# 570

Delta R.T. -0.00 min

Lab File: VW006979.D

Acq: 20 Nov 2018 16:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

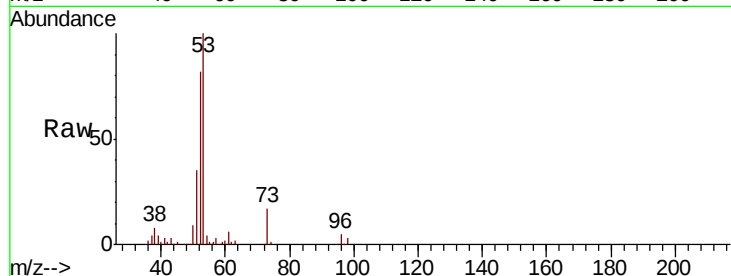
Tgt Ion: 53 Resp: 175006

Ion Ratio Lower Upper

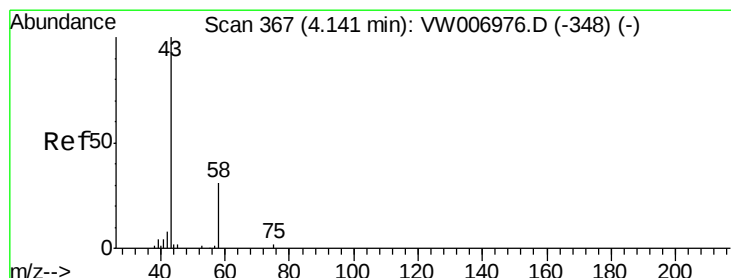
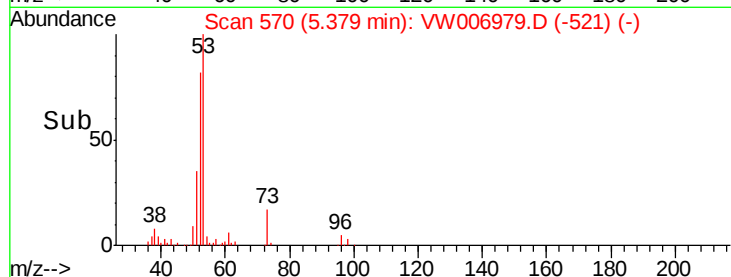
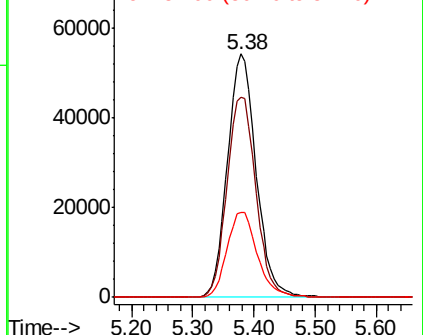
53 100

52 82.7 65.7 98.5

51 37.1 29.9 44.9



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



#16

Acetone

Concen: 743.370 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW006979.D

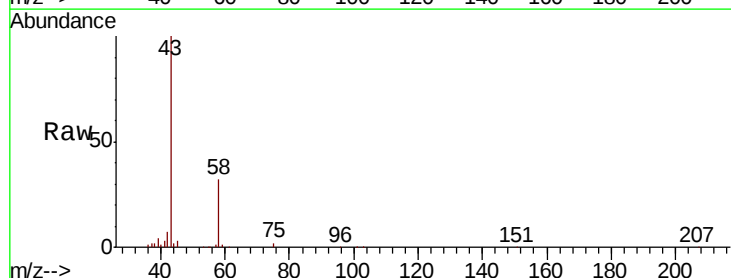
Acq: 20 Nov 2018 16:21

Tgt Ion: 43 Resp: 123878

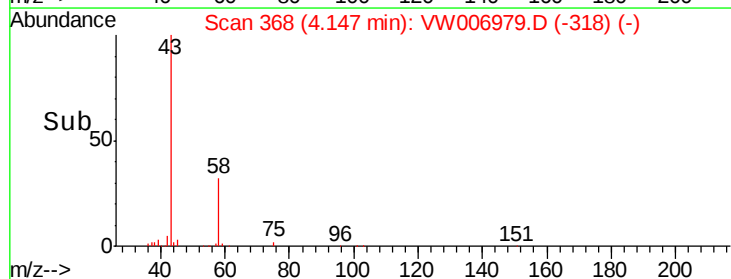
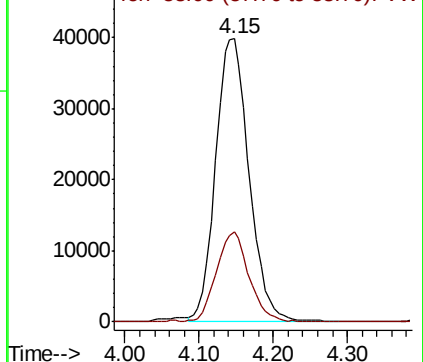
Ion Ratio Lower Upper

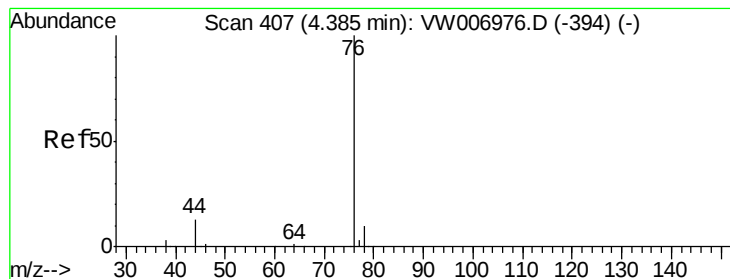
43 100

58 31.9 24.8 37.2



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





#17

Carbon Disulfide

Concen: 162.934 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW006979.D

Acq: 20 Nov 2018 16:21

Instrument :

MSVOA_W

ClientSampleId :

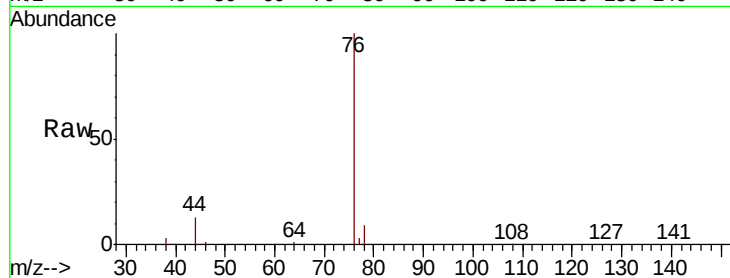
VSTDIC150

Tgt Ion: 76 Resp: 558986

Ion Ratio Lower Upper

76 100

78 9.1 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

200000

150000

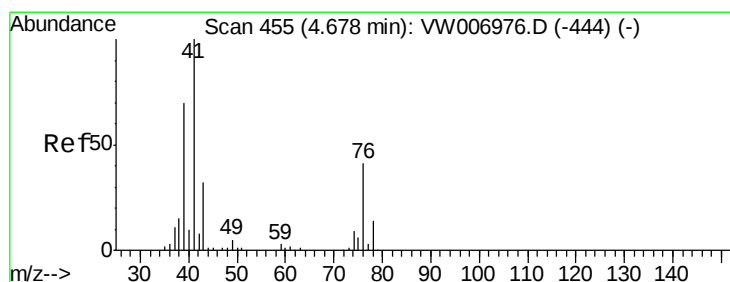
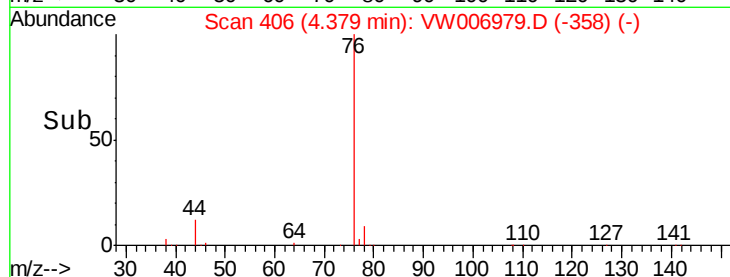
100000

50000

0

Time-->

4.20 4.30 4.40 4.50 4.60



#18

Methyl Acetate

Concen: 149.243 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW006979.D

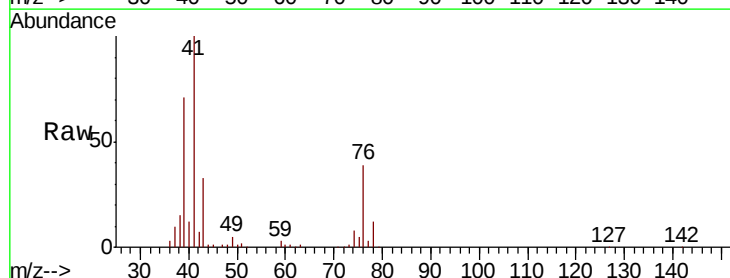
Acq: 20 Nov 2018 16:21

Tgt Ion: 43 Resp: 88567

Ion Ratio Lower Upper

43 100

74 24.7 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.68

30000

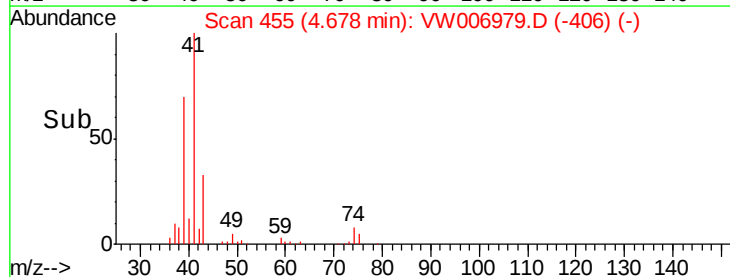
20000

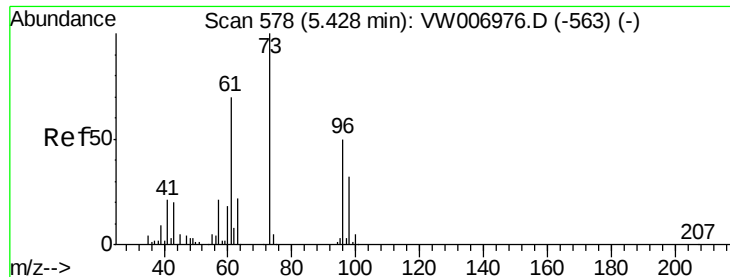
10000

0

Time-->

4.60 4.70 4.80



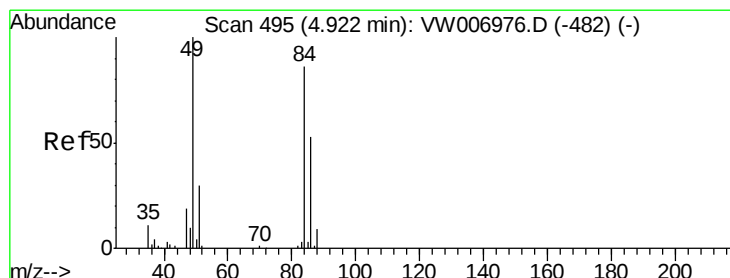
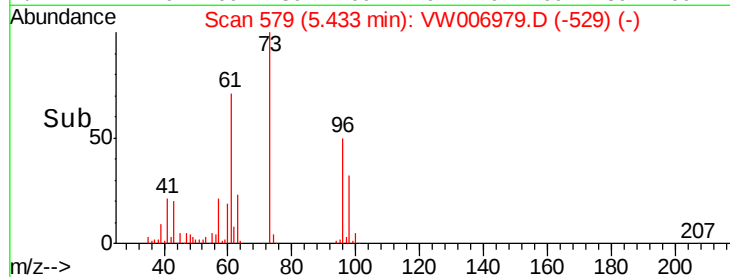
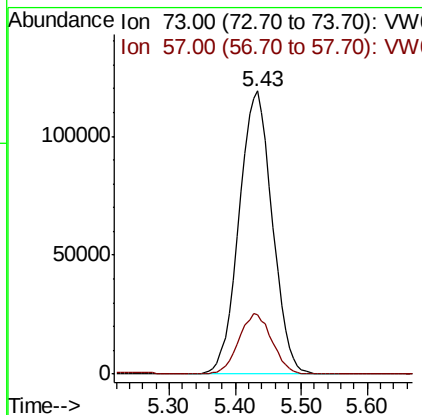
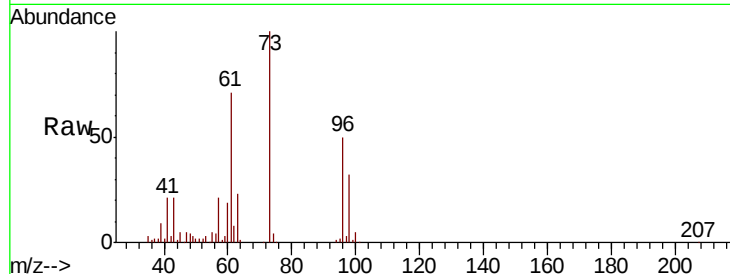


#19

Methyl tert-butyl Ether
 Concen: 149.703 ug/l
 RT: 5.43 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VW006979.D
 Acq: 20 Nov 2018 16:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

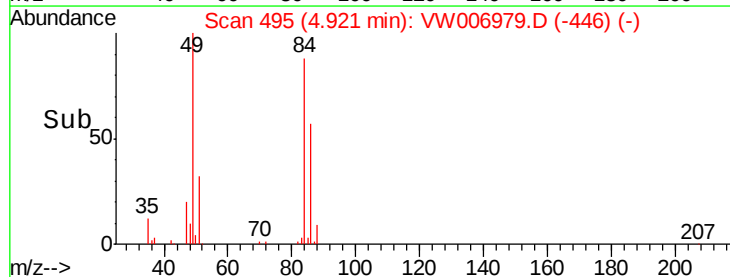
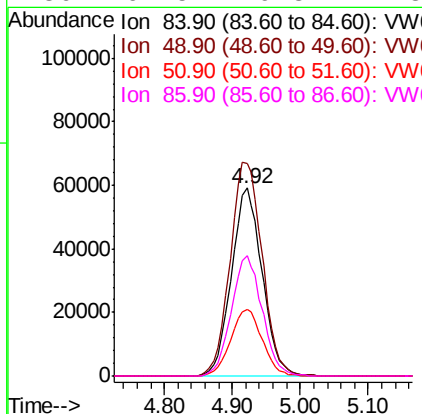
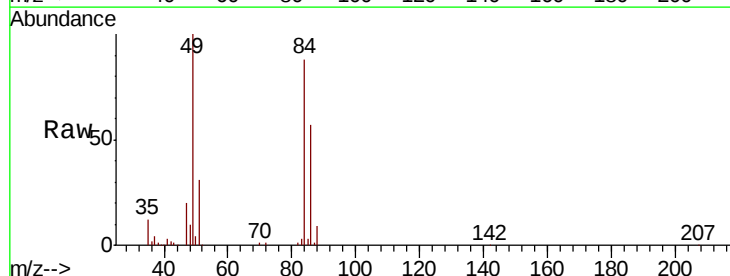
Tgt Ion: 73 Resp: 414796
 Ion Ratio Lower Upper
 73 100
 57 21.0 16.7 25.1

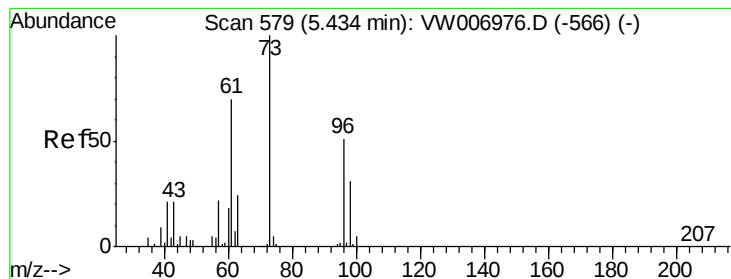


#20

Methylene Chloride
 Concen: 112.296 ug/l
 RT: 4.92 min Scan# 495
 Delta R.T. -0.00 min
 Lab File: VW006979.D
 Acq: 20 Nov 2018 16:21

Tgt Ion: 84 Resp: 184944
 Ion Ratio Lower Upper
 84 100
 49 113.2 93.4 140.0
 51 35.7 28.4 42.6
 86 64.5 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 151.713 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW006979.D

Acq: 20 Nov 2018 16:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

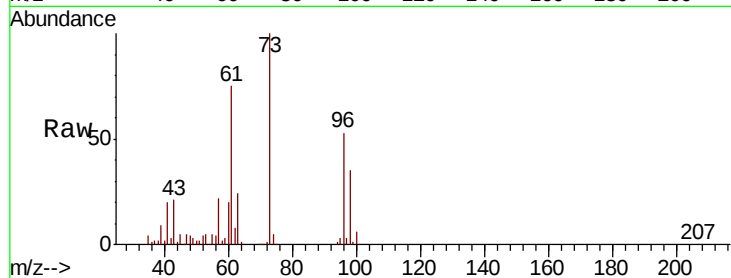
Tgt Ion: 96 Resp: 187539

Ion Ratio Lower Upper

96 100

61 142.1 109.4 164.0

98 65.9 48.3 72.5

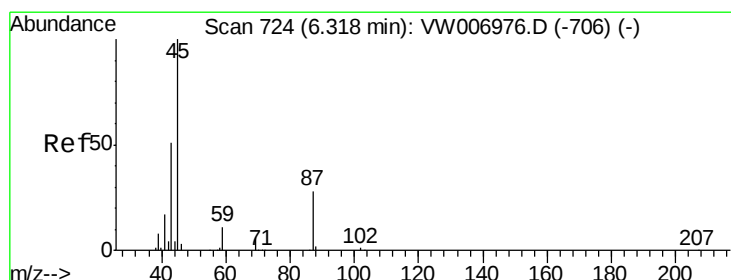
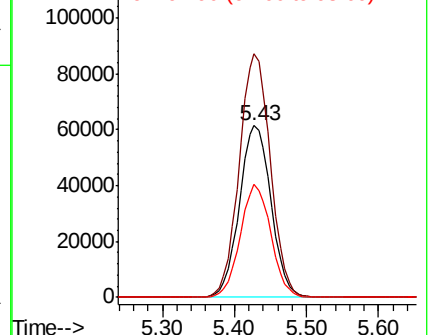
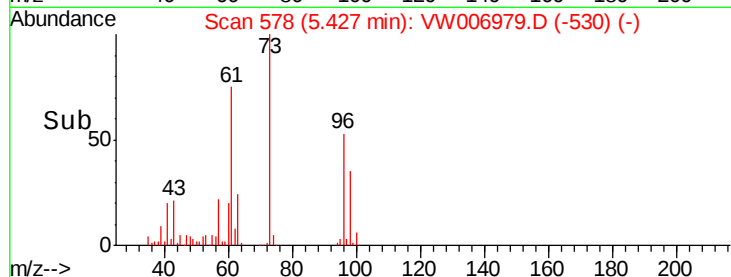


Abundance

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: 153.107 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.00 min

Lab File: VW006979.D

Acq: 20 Nov 2018 16:21

Tgt Ion: 45 Resp: 524507

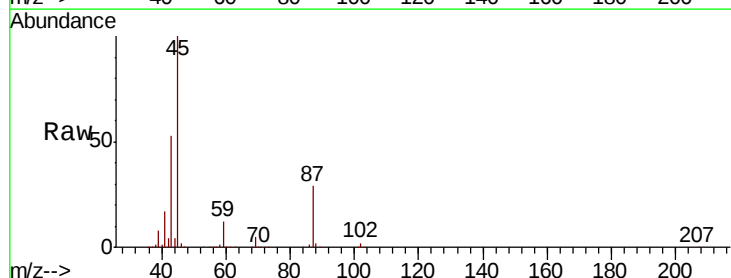
Ion Ratio Lower Upper

45 100

43 52.5 42.5 63.7

87 28.6 22.8 34.2

59 11.6 9.1 13.7



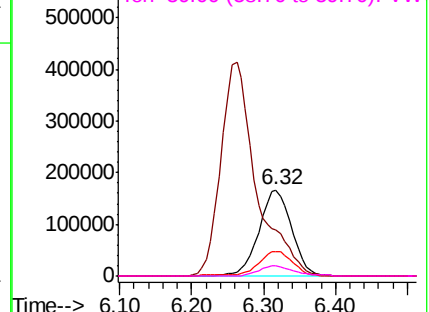
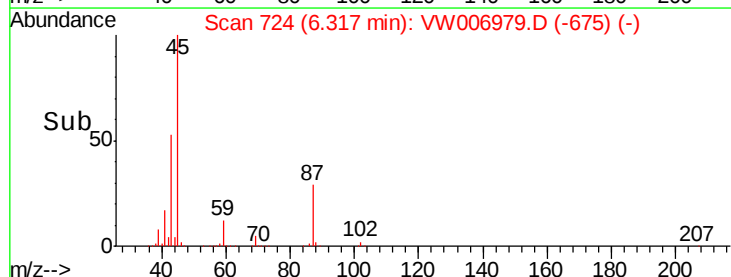
Abundance

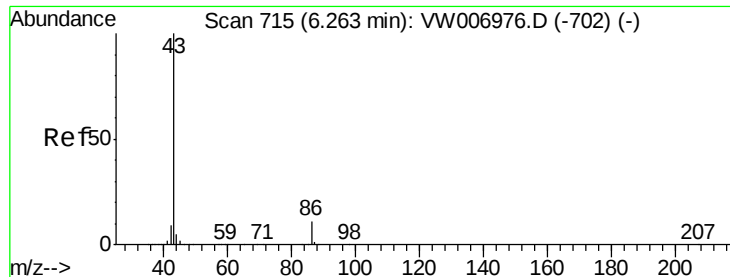
Ion 45.00 (44.70 to 45.70): VW

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

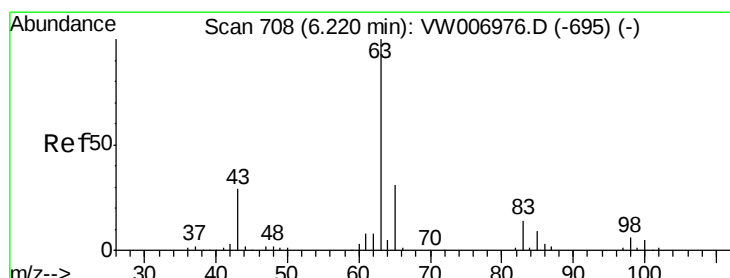
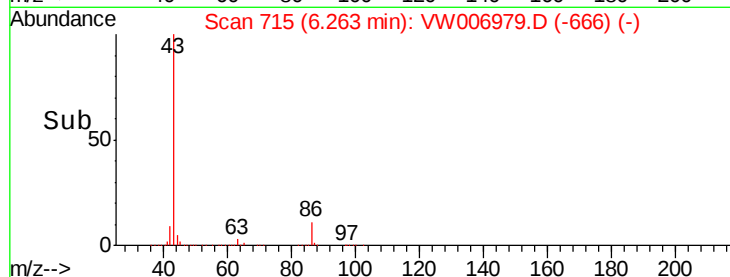
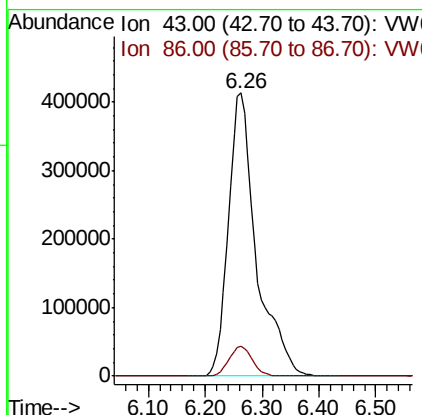
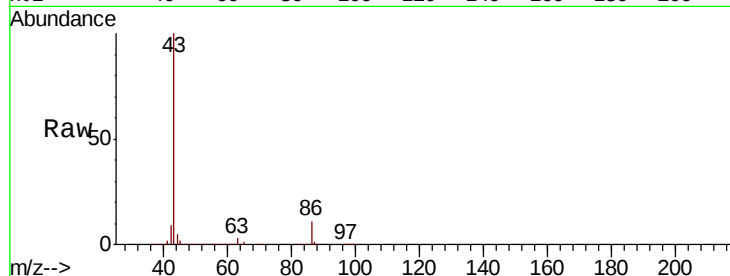




#23
 Vinyl Acetate
 Concen: 779.168 ug/l
 RT: 6.26 min Scan# 715
 Delta R.T. -0.00 min
 Lab File: VW006979.D
 Acq: 20 Nov 2018 16:21

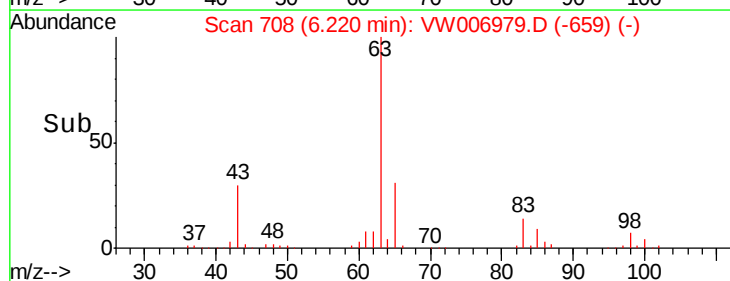
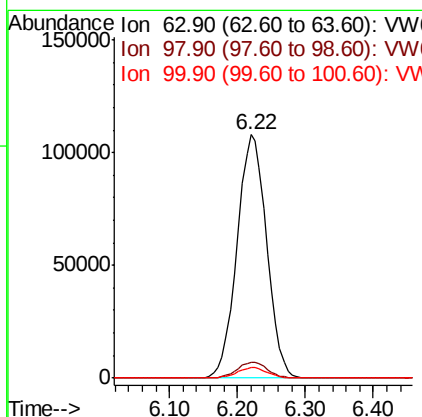
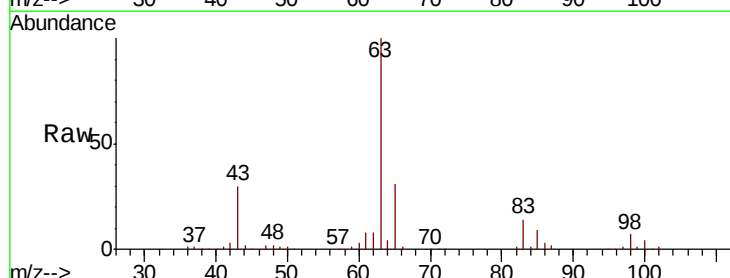
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

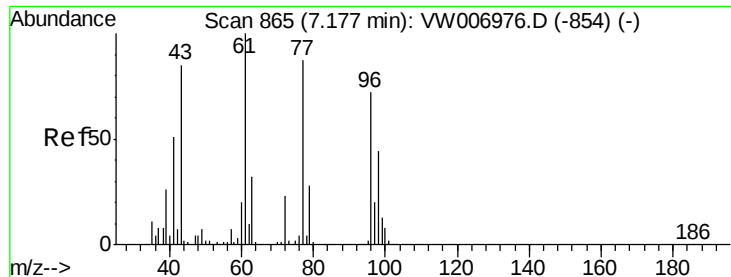
Tgt Ion: 43 Resp: 1417476
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.7 13.1



#24
 1,1-Dichloroethane
 Concen: 156.053 ug/l
 RT: 6.22 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VW006979.D
 Acq: 20 Nov 2018 16:21

Tgt Ion: 63 Resp: 325221
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.1 9.4
 100 4.5 2.3 6.9





#25

2-Butanone

Concen: 726.657 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW006979.D

Acq: 20 Nov 2018 16:21

Instrument :

MSVOA_W

ClientSampled :

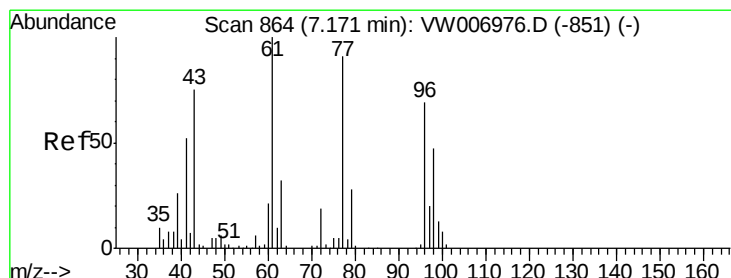
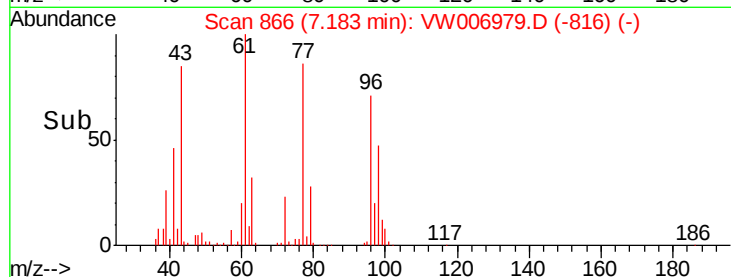
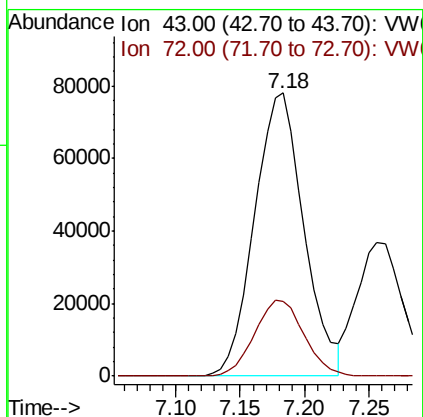
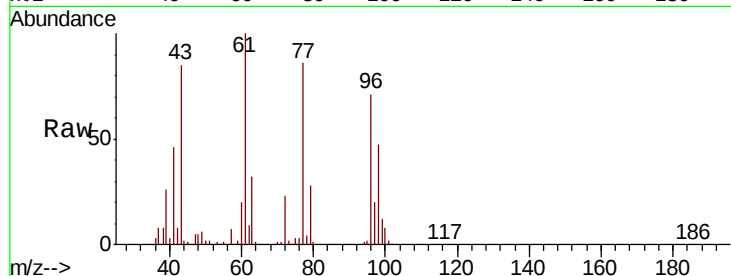
VSTDIC150

Tgt Ion: 43 Resp: 207399

Ion Ratio Lower Upper

43 100

72 26.5 21.3 31.9



#26

2,2-Dichloropropane

Concen: 145.159 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW006979.D

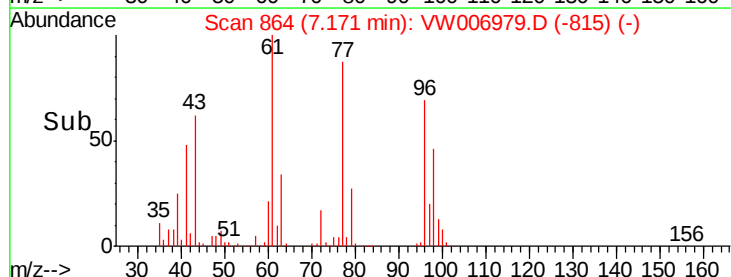
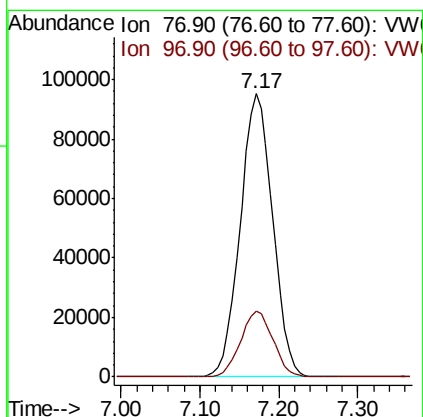
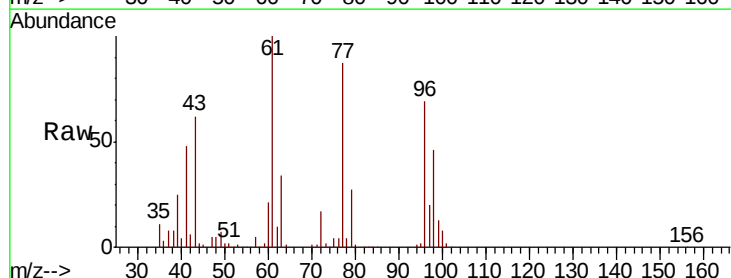
Acq: 20 Nov 2018 16:21

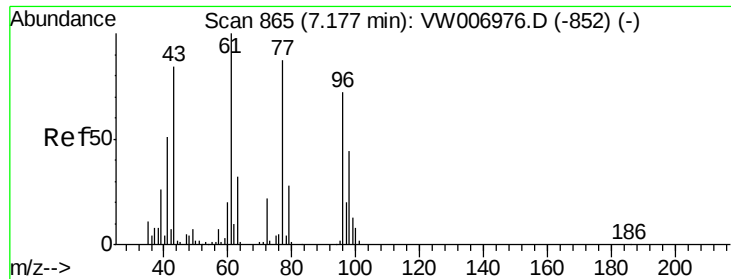
Tgt Ion: 77 Resp: 272043

Ion Ratio Lower Upper

77 100

97 23.2 11.4 34.1



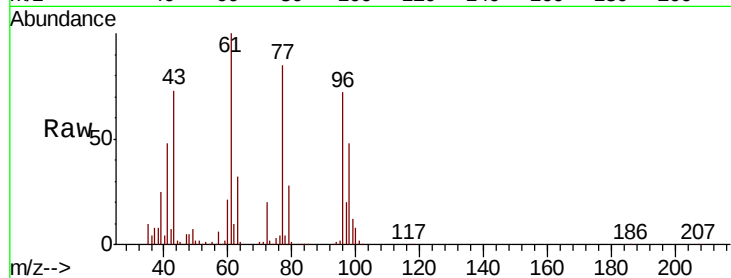


#27

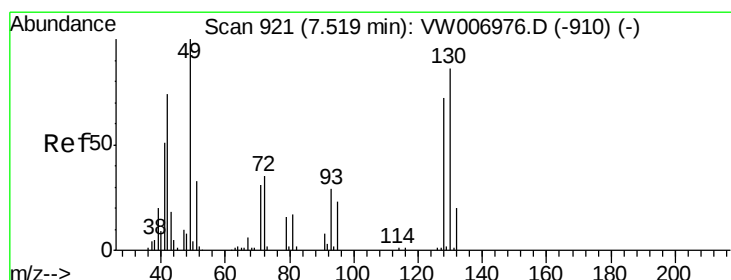
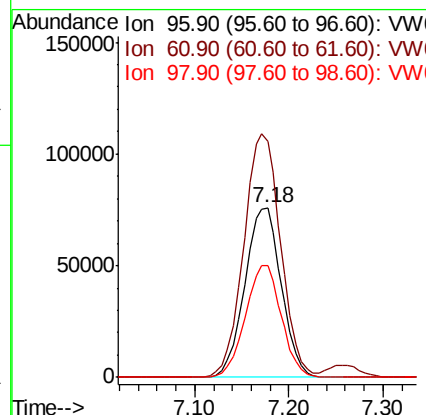
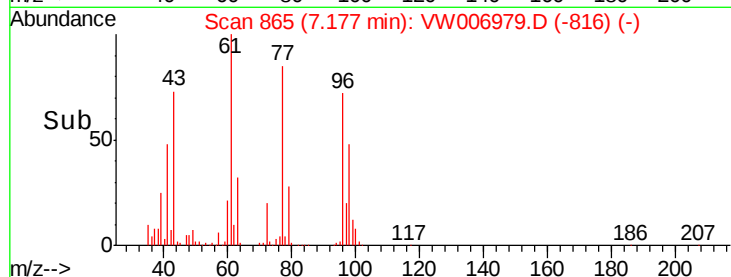
cis-1,2-Dichloroethene
 Concen: 156.197 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VW006979.D
 Acq: 20 Nov 2018 16:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
96	205615		
61	145.1	0.0	292.6
98	65.1	0.0	129.8



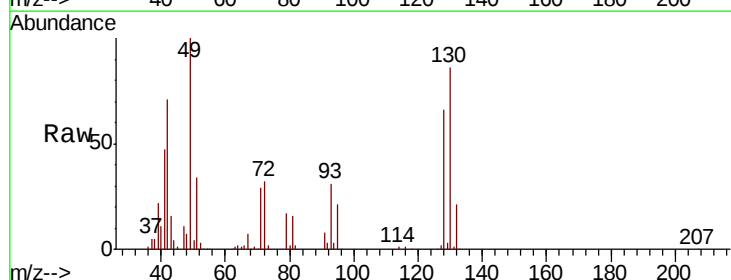
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



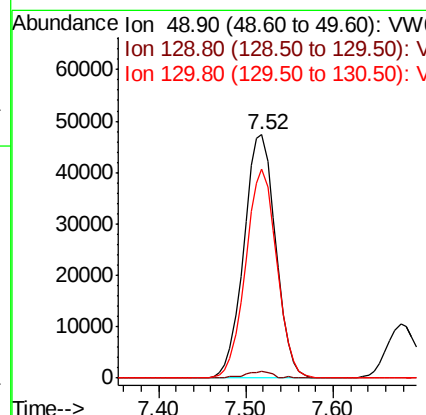
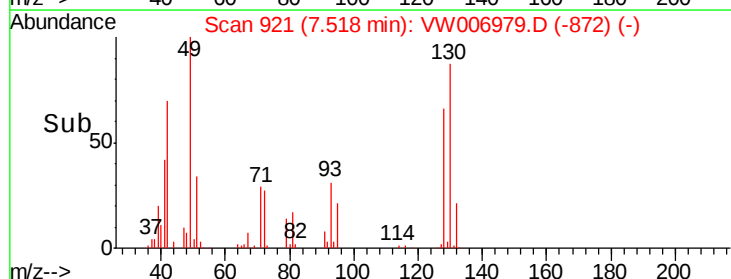
#28

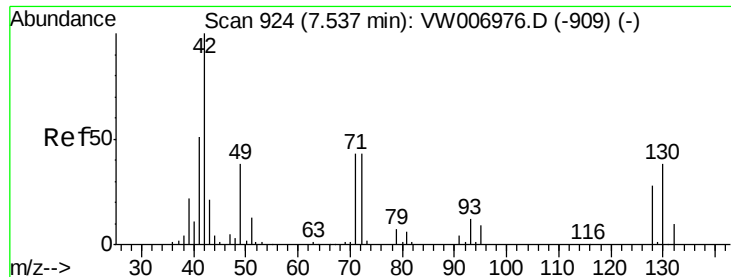
Bromochloromethane
 Concen: 153.766 ug/l
 RT: 7.52 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VW006979.D
 Acq: 20 Nov 2018 16:21

Tgt Ion	Resp	Lower	Upper
49	119770		
129	2.2	0.0	2.0#
130	84.0	69.0	103.4



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

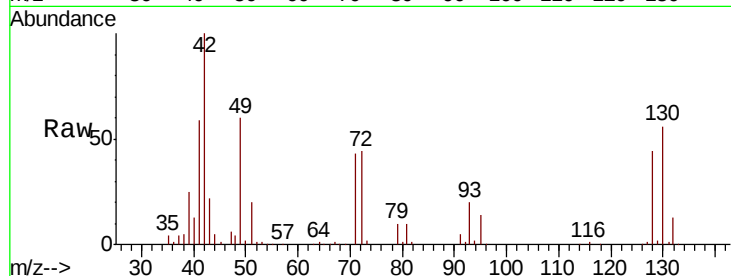




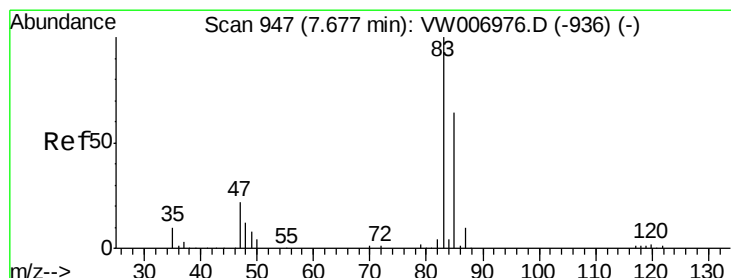
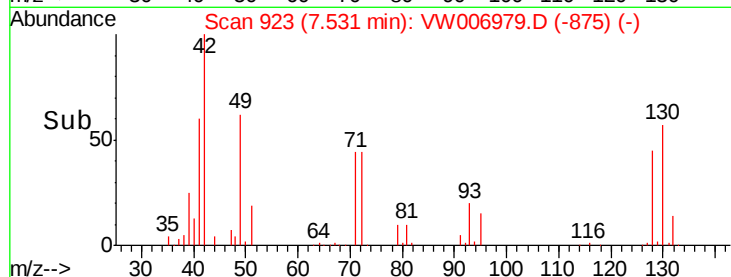
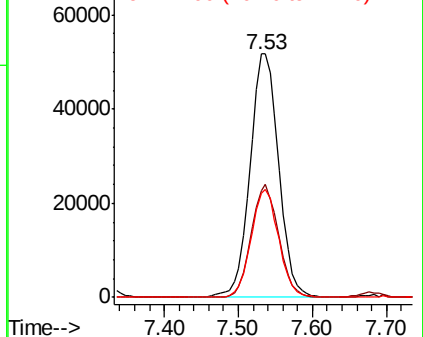
#29
Tetrahydrofuran
Concen: 757.331 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.01 min
Lab File: VW006979.D
Acq: 20 Nov 2018 16:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion: 42 Resp: 139992
Ion Ratio Lower Upper
42 100
72 44.0 36.2 54.4
71 42.5 33.8 50.8

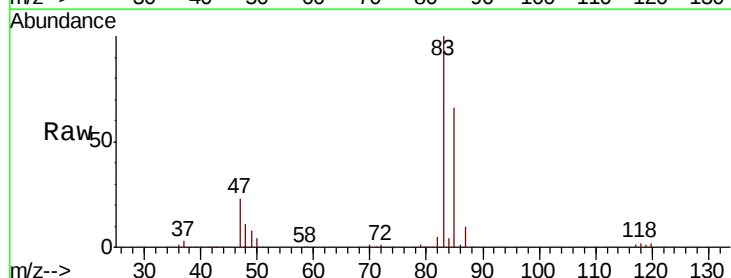


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

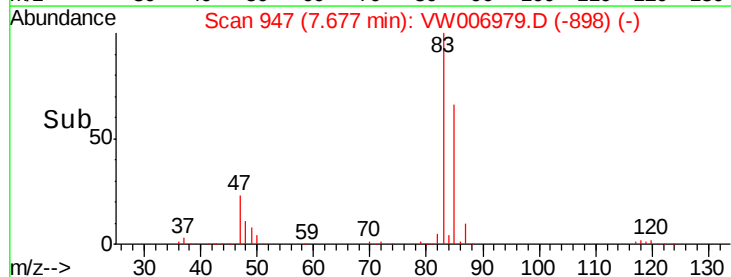
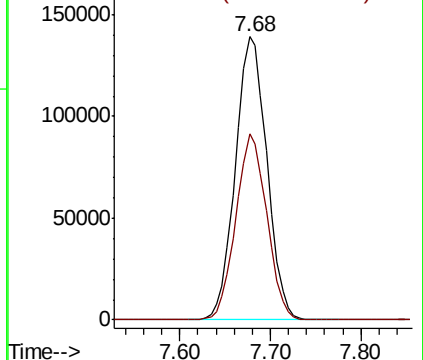


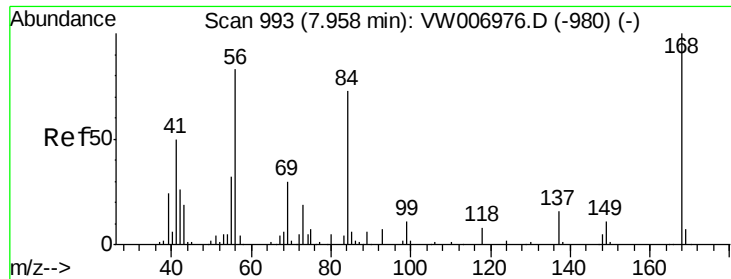
#30
Chloroform
Concen: 151.127 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW006979.D
Acq: 20 Nov 2018 16:21

Tgt Ion: 83 Resp: 334606
Ion Ratio Lower Upper
83 100
85 65.7 50.9 76.3



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

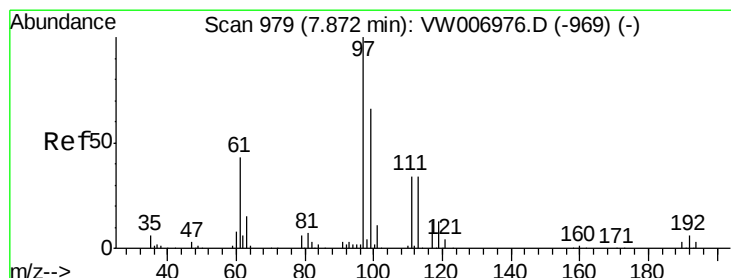
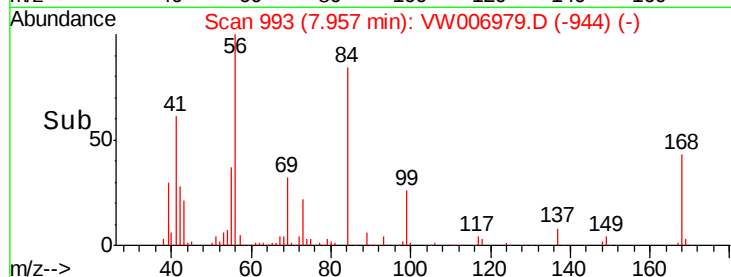
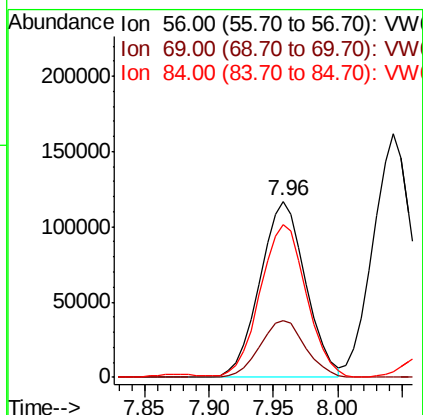
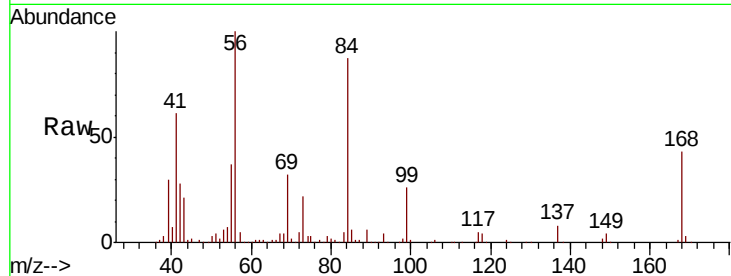




#31
Cyclohexane
Concen: 130.038 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW006979.D
Acq: 20 Nov 2018 16:21

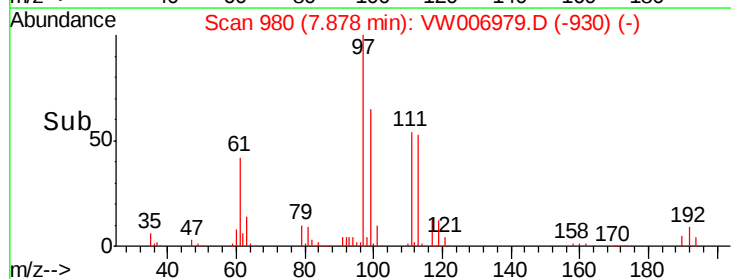
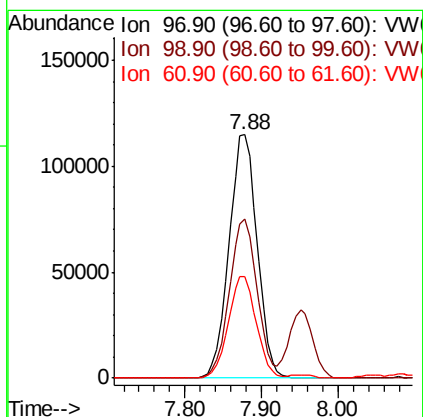
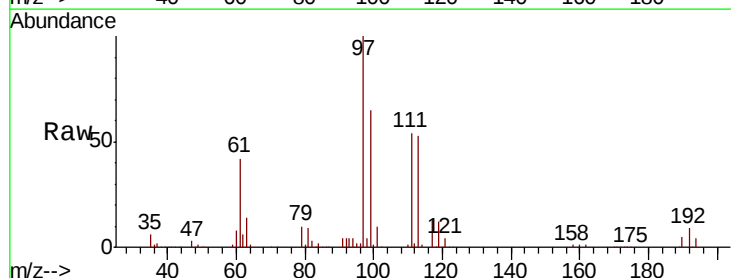
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

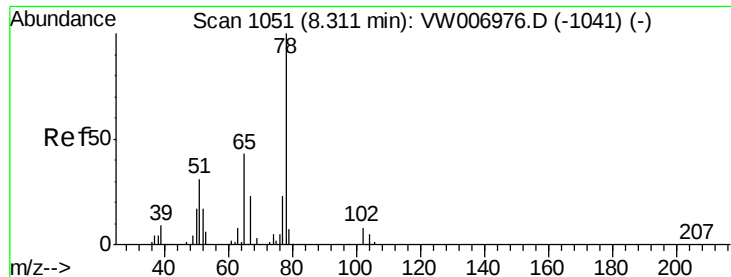
Tgt Ion: 56 Resp: 287453
Ion Ratio Lower Upper
56 100
69 32.0 29.1 43.7
84 85.3 70.6 105.8



#32
1,1,1-Trichloroethane
Concen: 145.966 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW006979.D
Acq: 20 Nov 2018 16:21

Tgt Ion: 97 Resp: 291095
Ion Ratio Lower Upper
97 100
99 65.0 51.9 77.9
61 41.4 33.4 50.2





#33

1,2-Dichloroethane-d4

Concen: 150.982 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW006979.D

Acq: 20 Nov 2018 16:21

Instrument :

MSVOA_W

ClientSampleId :

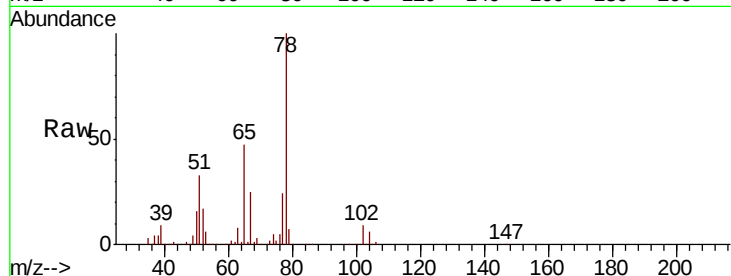
VSTDIC150

Tgt Ion: 65 Resp: 173293

Ion Ratio Lower Upper

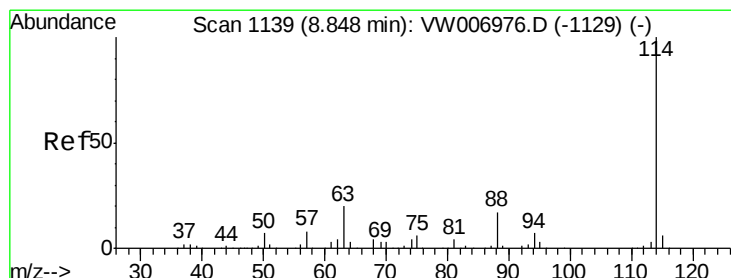
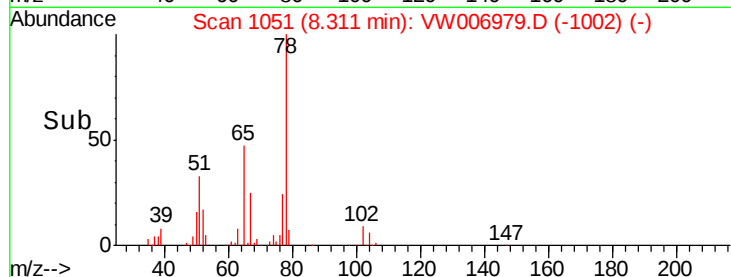
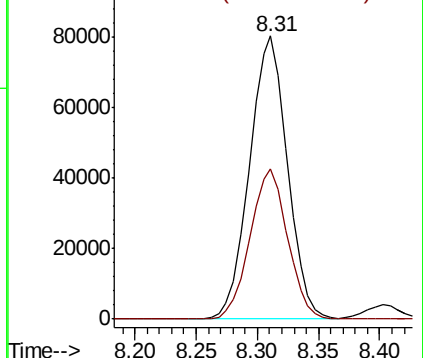
65 100

67 52.6 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW006979.D

Acq: 20 Nov 2018 16:21

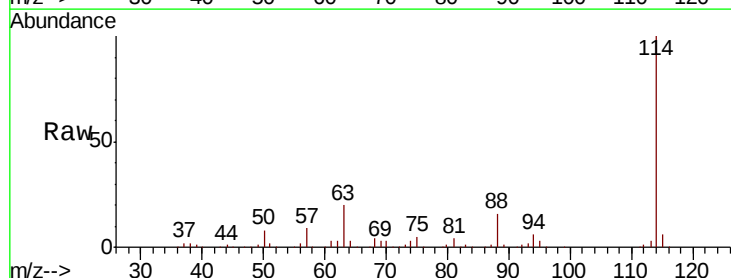
Tgt Ion: 114 Resp: 187580

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.4

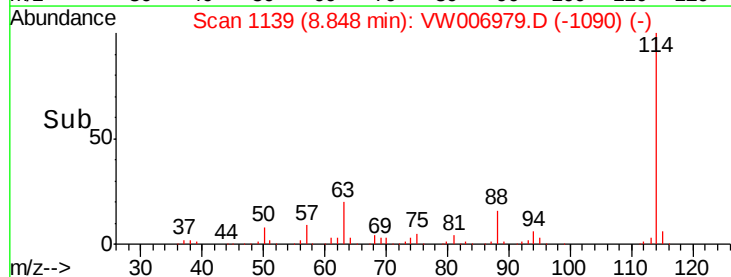
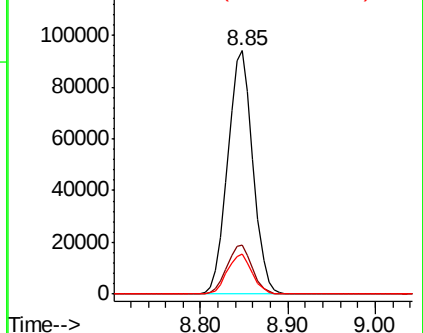
88 16.4 0.0 34.2

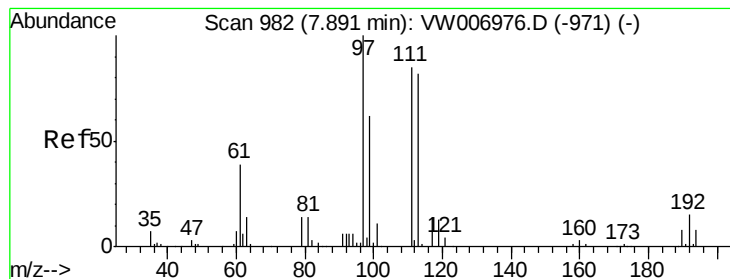


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 160.124 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006979.D

Acq: 20 Nov 2018 16:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

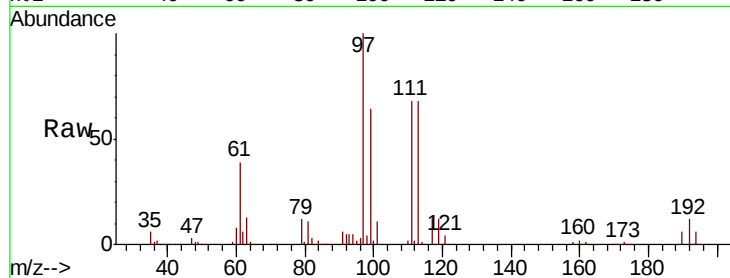
Tgt Ion: 113 Resp: 169621

Ion Ratio Lower Upper

113 100

111 102.6 81.0 121.6

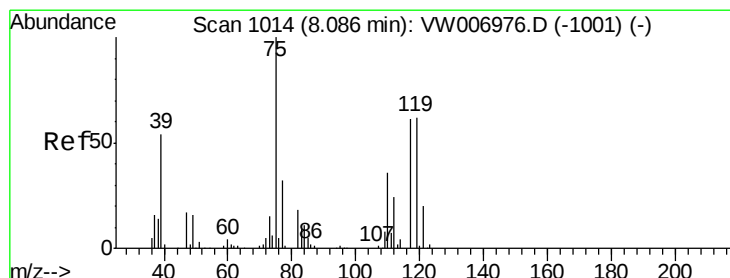
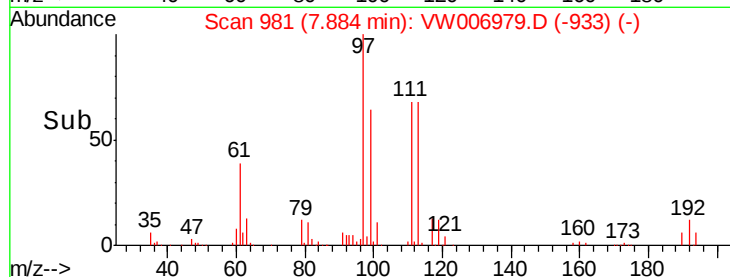
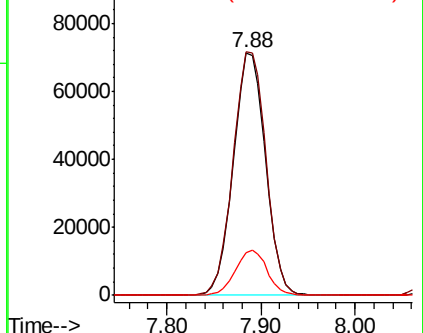
192 18.3 15.0 22.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 139.767 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VW006979.D

Acq: 20 Nov 2018 16:21

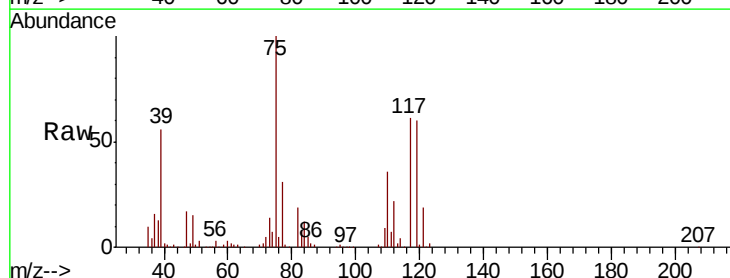
Tgt Ion: 75 Resp: 256201

Ion Ratio Lower Upper

75 100

110 35.8 18.0 54.0

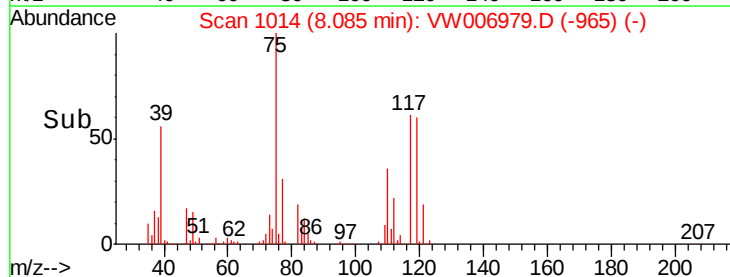
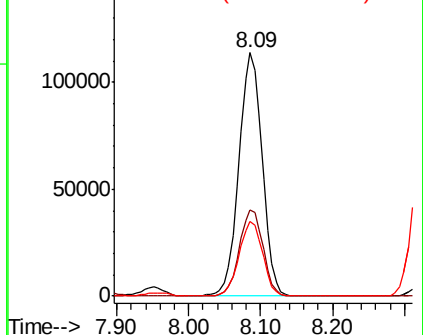
77 31.0 24.9 37.3

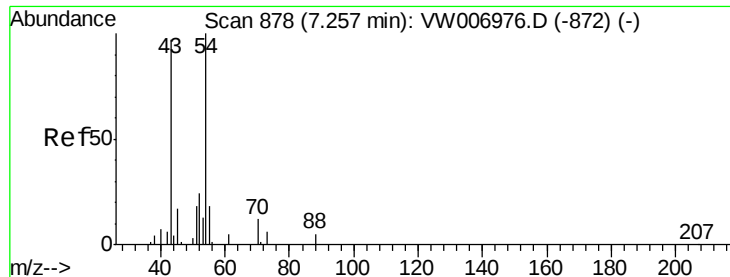


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

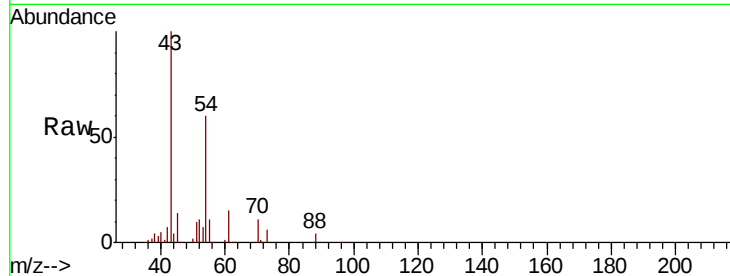




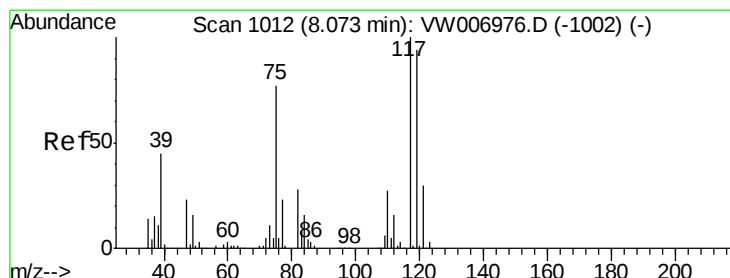
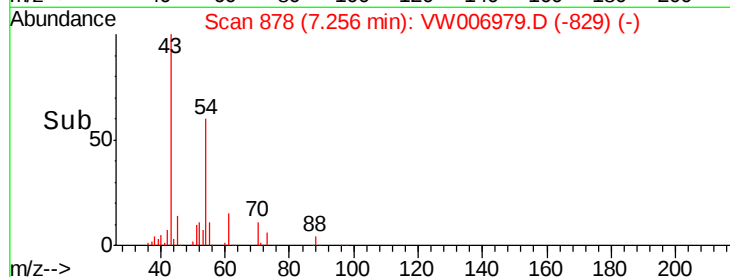
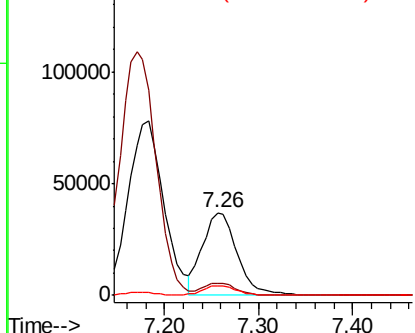
#37
Ethyl Acetate
Concen: 141.253 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW006979.D
Acq: 20 Nov 2018 16:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 93827
Ion Ratio Lower Upper
43 100
61 14.1 10.4 15.6
70 11.7 8.8 13.2

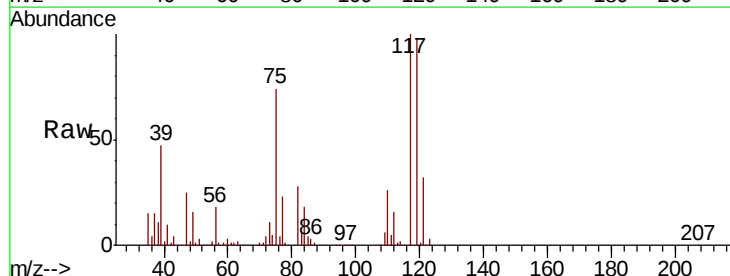


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

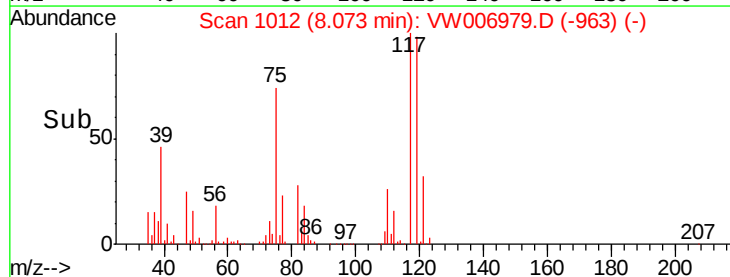
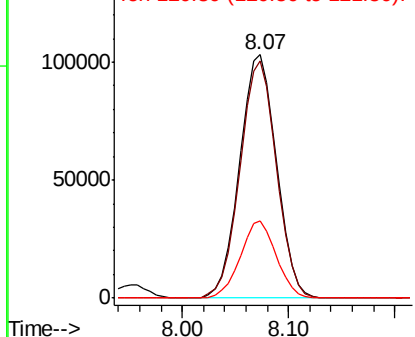


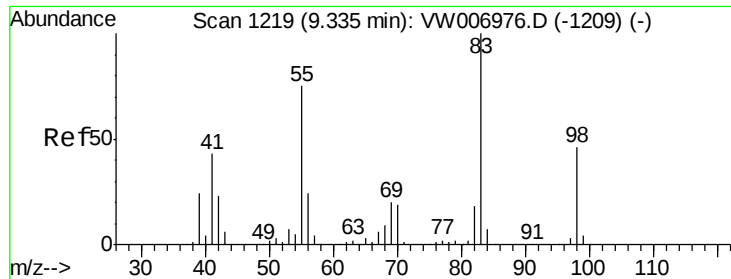
#38
Carbon Tetrachloride
Concen: 142.791 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW006979.D
Acq: 20 Nov 2018 16:21

Tgt Ion: 117 Resp: 250643
Ion Ratio Lower Upper
117 100
119 97.5 74.9 112.3
121 31.9 23.6 35.4



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

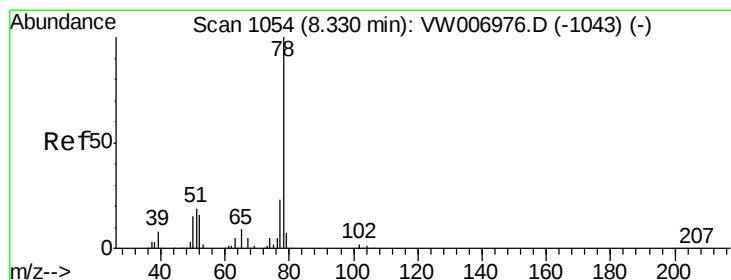
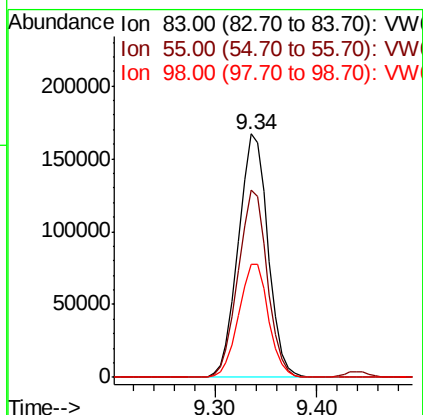
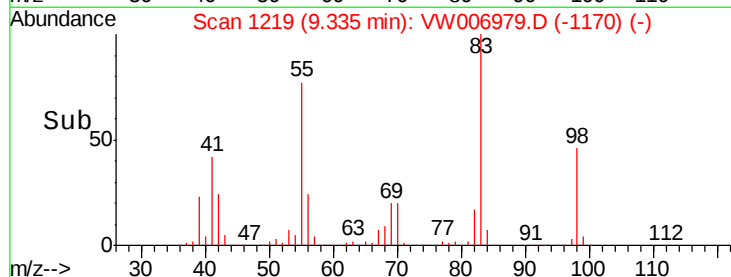
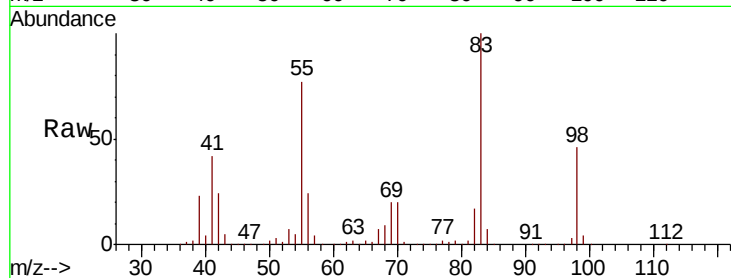




#39
Methylcyclohexane
Concen: 146.545 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW006979.D
Acq: 20 Nov 2018 16:21

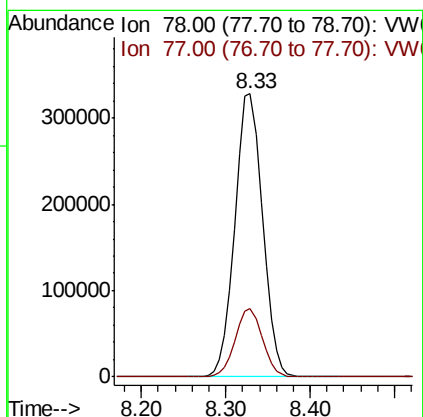
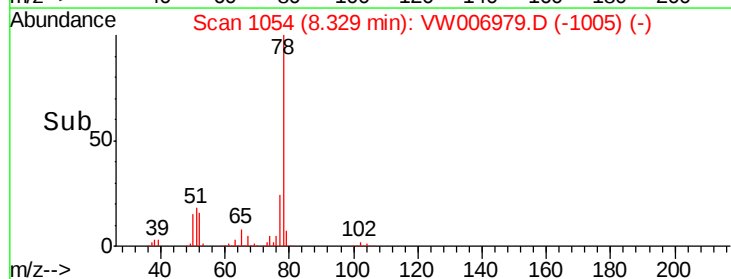
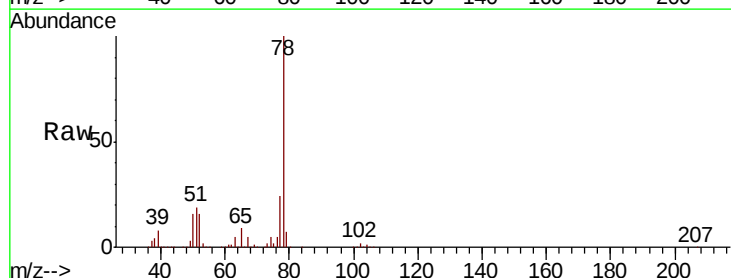
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

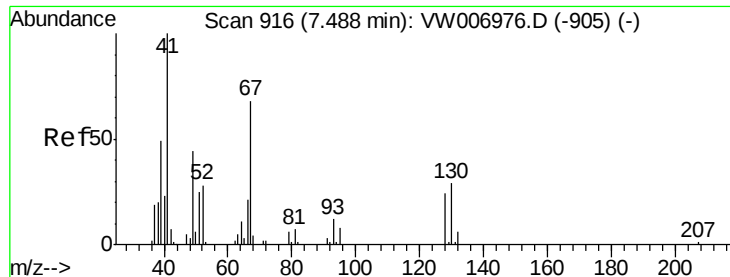
Tgt Ion: 83 Resp: 336159
Ion Ratio Lower Upper
83 100
55 76.7 59.6 89.4
98 46.4 37.1 55.7



#40
Benzene
Concen: 146.939 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW006979.D
Acq: 20 Nov 2018 16:21

Tgt Ion: 78 Resp: 727058
Ion Ratio Lower Upper
78 100
77 24.0 18.6 28.0





#41

Methacrylonitrile

Concen: 145.877 ug/l

RT: 7.49 min Scan# 916

Delta R.T. -0.00 min

Lab File: VW006979.D

Acq: 20 Nov 2018 16:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 41 Resp: 60176

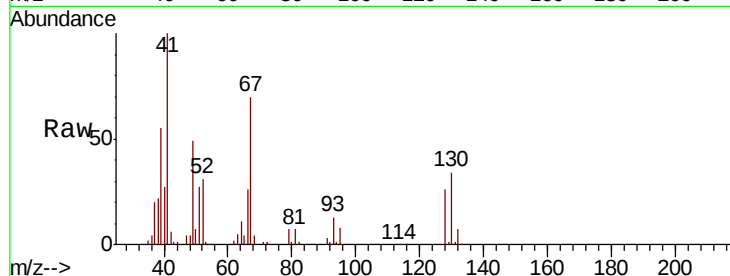
Ion Ratio Lower Upper

41 100

39 53.5 48.6 73.0

67 73.2 59.8 89.8

52 31.0 24.8 37.2

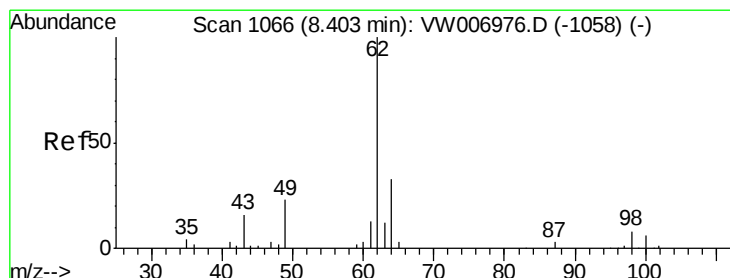
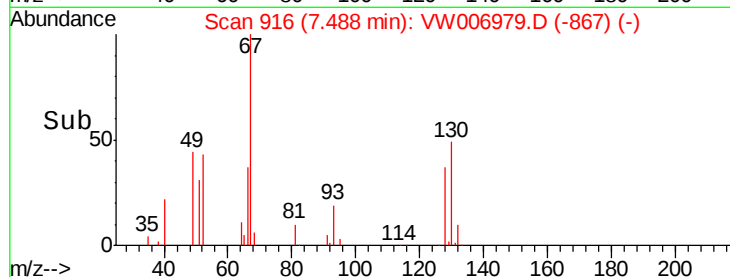
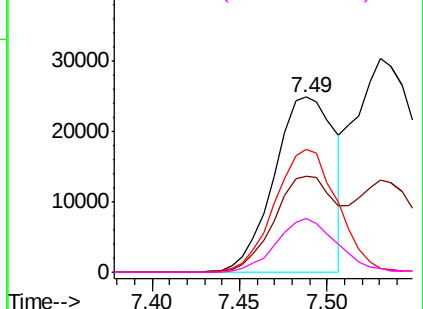


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 146.598 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW006979.D

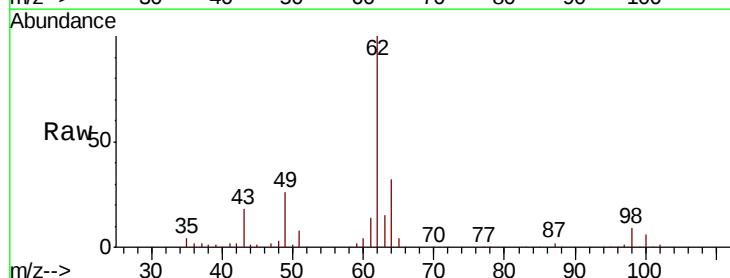
Acq: 20 Nov 2018 16:21

Tgt Ion: 62 Resp: 210596

Ion Ratio Lower Upper

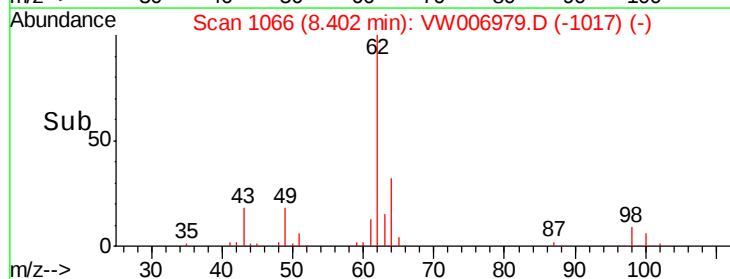
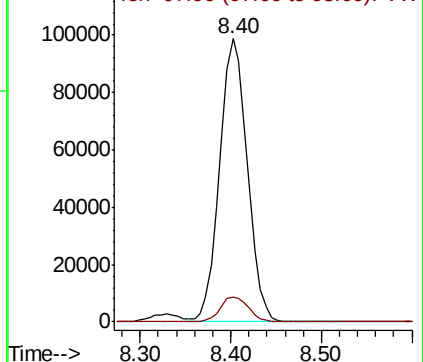
62 100

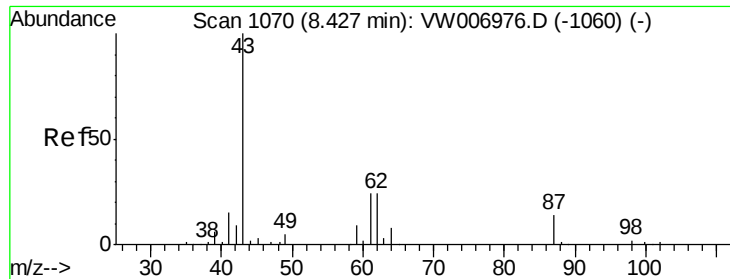
98 9.1 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 157.266 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW006979.D

Acq: 20 Nov 2018 16:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

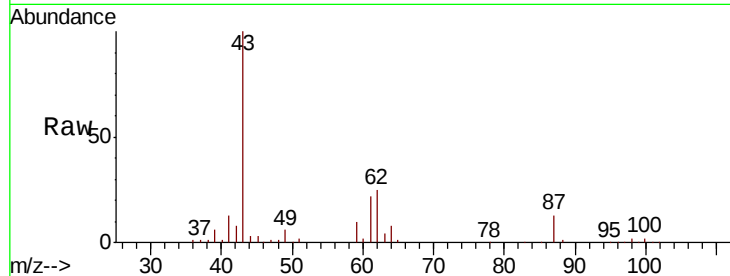
Tgt Ion: 43 Resp: 199072

Ion Ratio Lower Upper

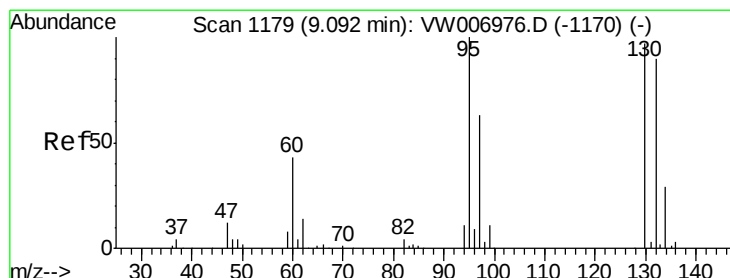
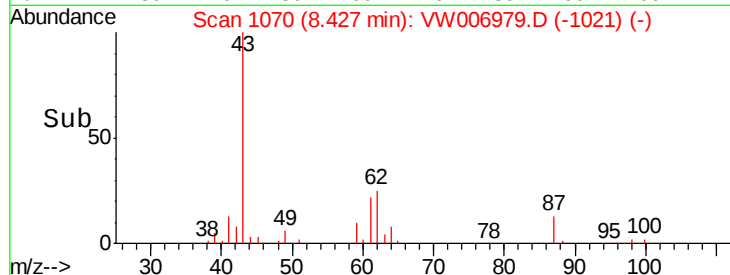
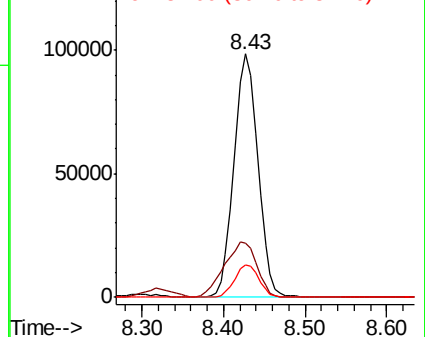
43 100

61 31.2 26.1 39.1

87 13.6 11.2 16.8



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 143.386 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW006979.D

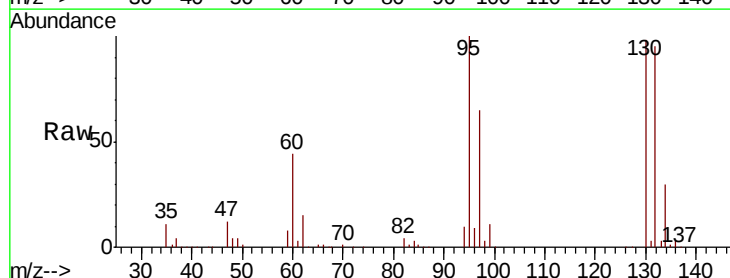
Acq: 20 Nov 2018 16:21

Tgt Ion: 130 Resp: 198885

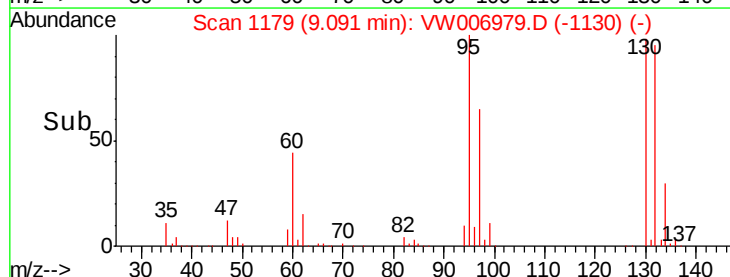
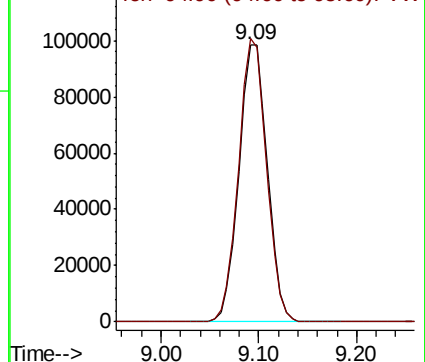
Ion Ratio Lower Upper

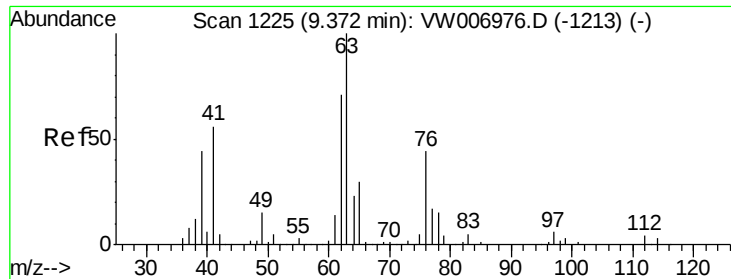
130 100

95 102.0 0.0 206.4



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

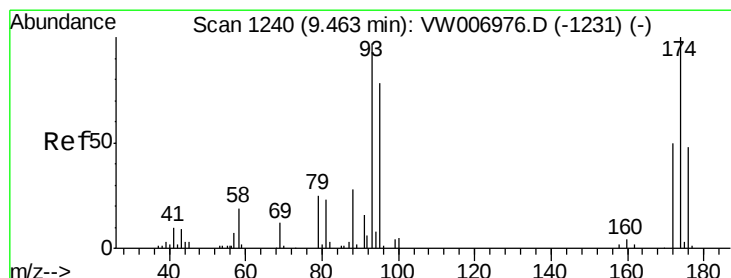
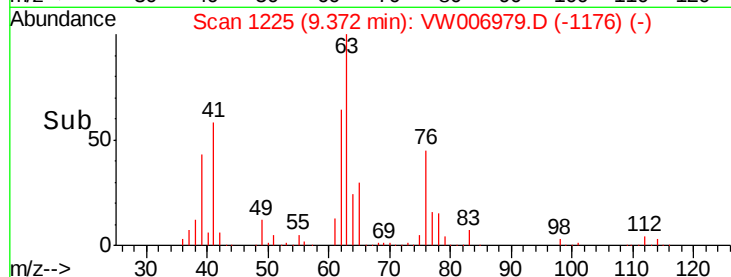
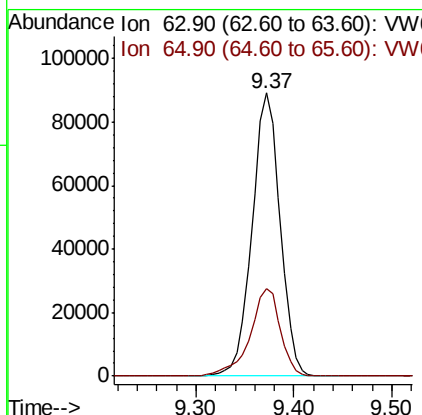
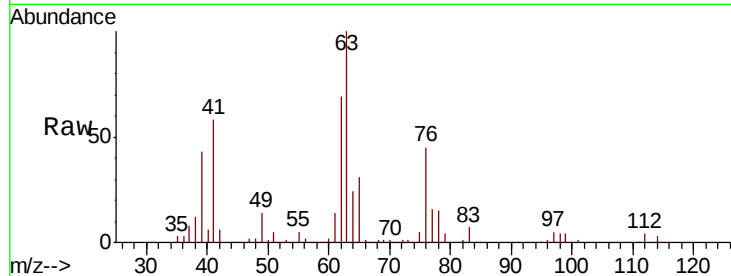




#45
 1,2-Dichloropropane
 Concen: 144.870 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW006979.D
 Acq: 20 Nov 2018 16:21

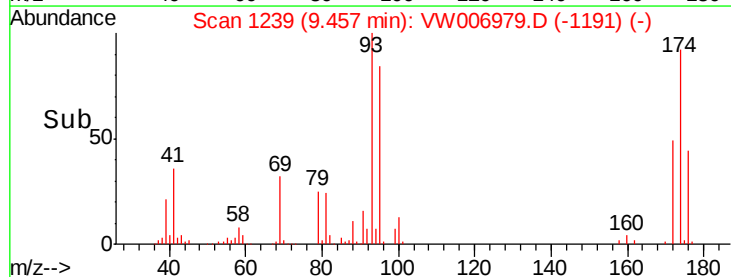
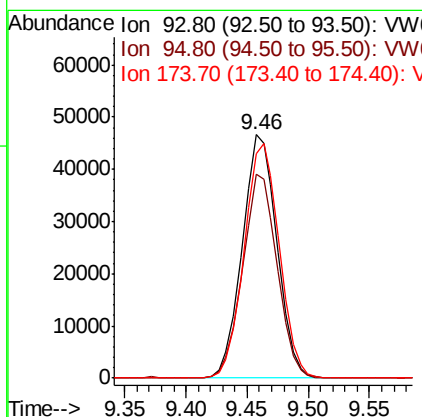
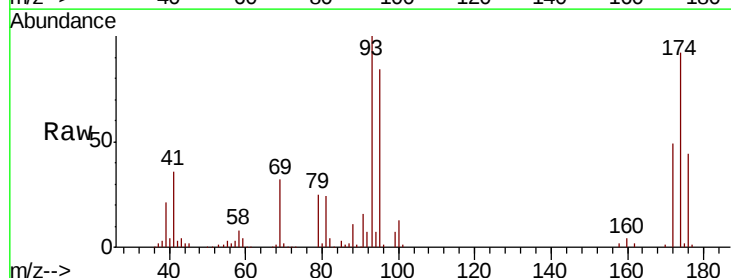
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

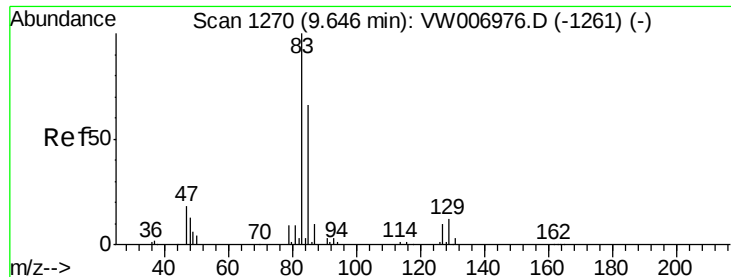
Tgt Ion: 63 Resp: 176702
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.4 36.6



#46
 Dibromomethane
 Concen: 150.425 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW006979.D
 Acq: 20 Nov 2018 16:21

Tgt Ion: 93 Resp: 91882
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.1 99.1
 174 97.5 79.7 119.5





#47

Bromodichloromethane

Concen: 146.362 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW006979.D

Acq: 20 Nov 2018 16:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

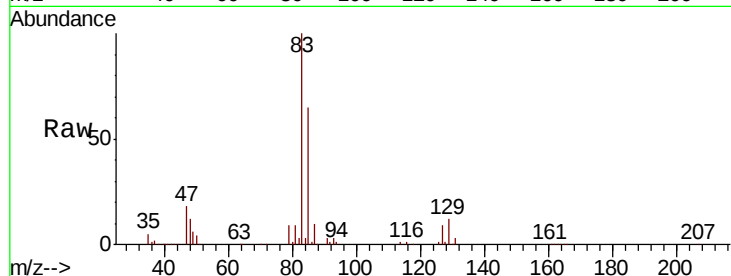
Tgt Ion: 83 Resp: 235544

Ion Ratio Lower Upper

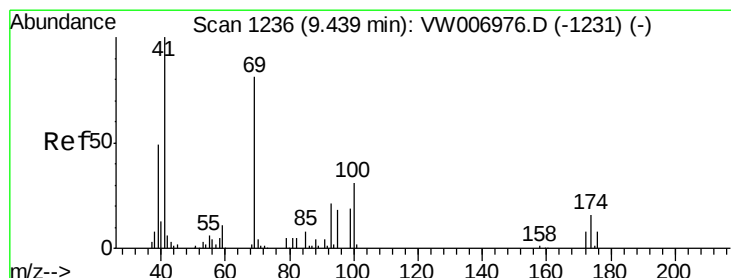
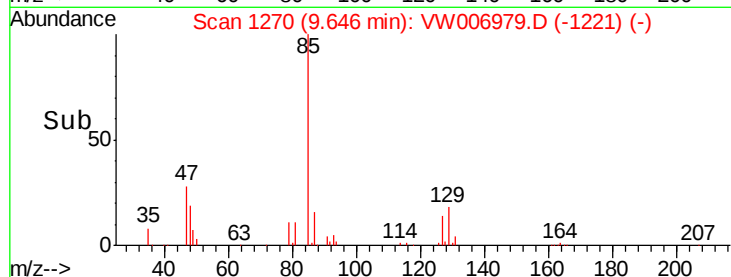
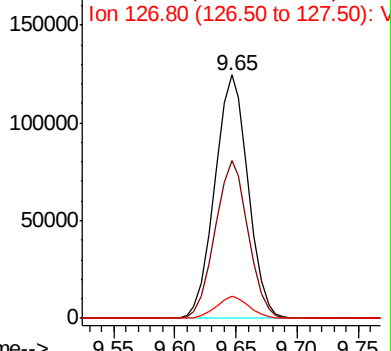
83 100

85 64.8 52.9 79.3

127 8.9 7.8 11.6



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 156.565 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW006979.D

Acq: 20 Nov 2018 16:21

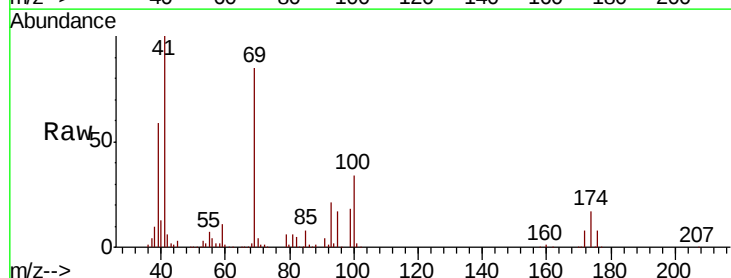
Tgt Ion: 41 Resp: 95560

Ion Ratio Lower Upper

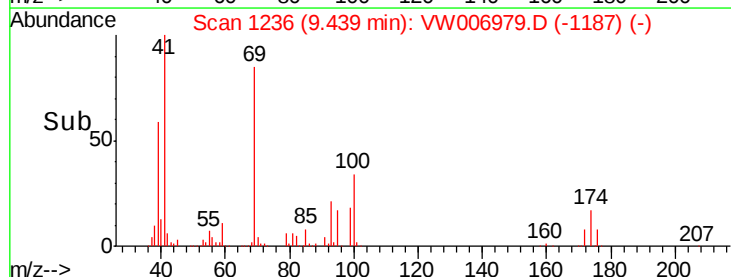
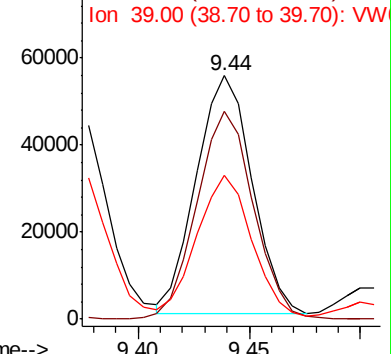
41 100

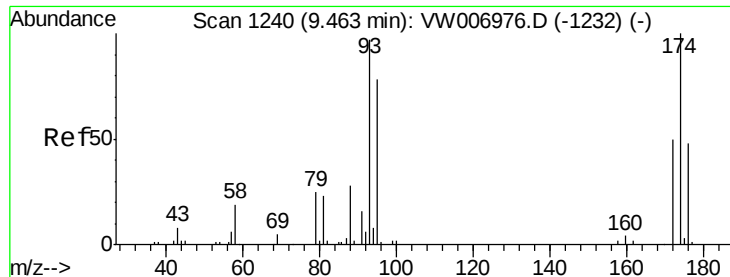
69 89.1 71.4 107.0

39 57.4 44.8 67.2



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

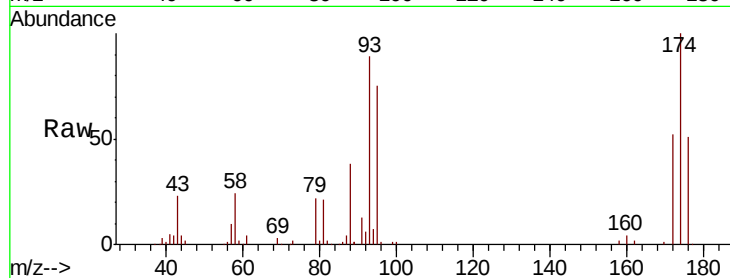




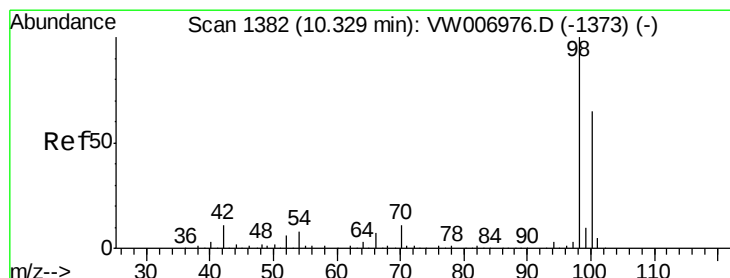
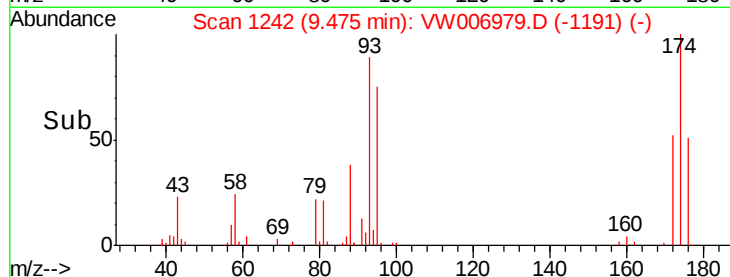
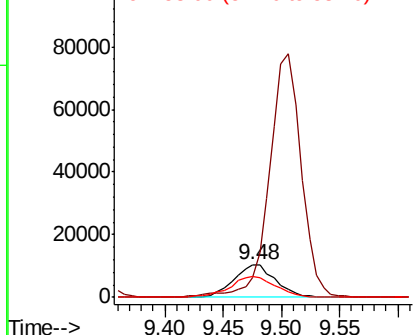
#49
1,4-Dioxane
Concen: 2855.054 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VW006979.D
Acq: 20 Nov 2018 16:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion: 88 Resp: 25920
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 71.6 59.0 88.6

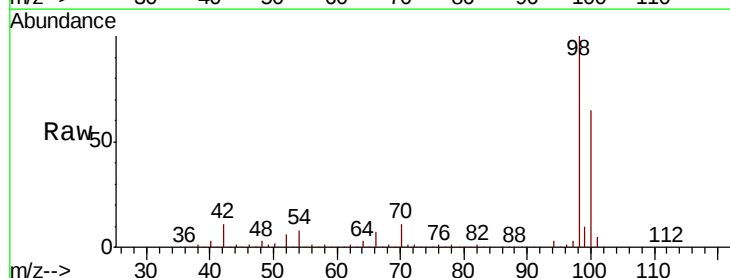


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

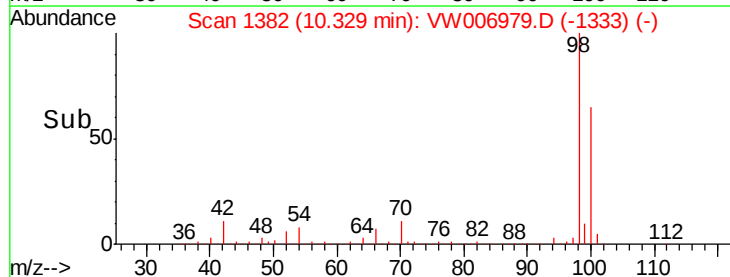
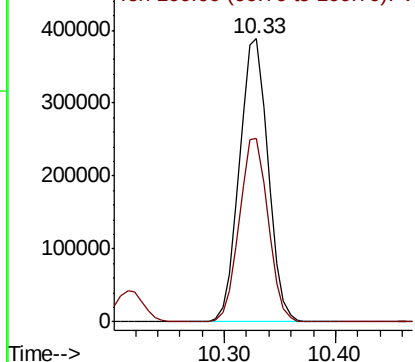


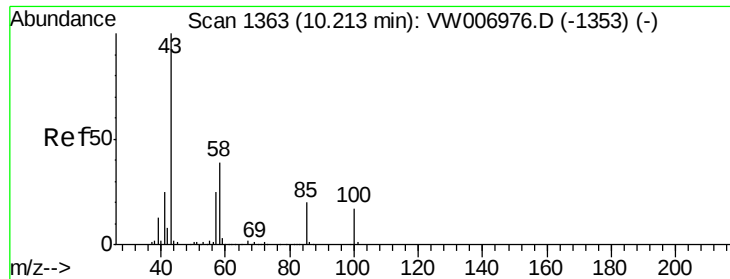
#50
Toluene-d8
Concen: 148.489 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW006979.D
Acq: 20 Nov 2018 16:21

Tgt Ion: 98 Resp: 694599
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2



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: 725.570 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006979.D

Acq: 20 Nov 2018 16:21

Instrument :

MSVOA_W

ClientSampleId :

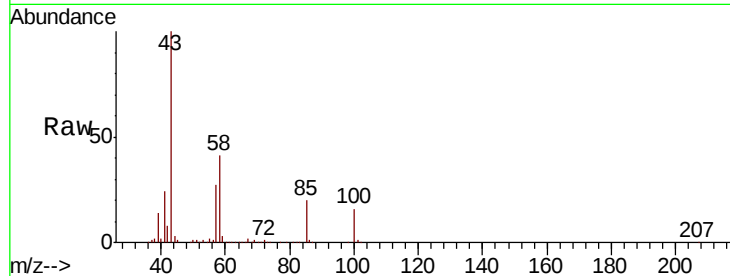
VSTDIC150

Tgt Ion: 43 Resp: 464144

Ion Ratio Lower Upper

43 100

58 39.8 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

250000

200000

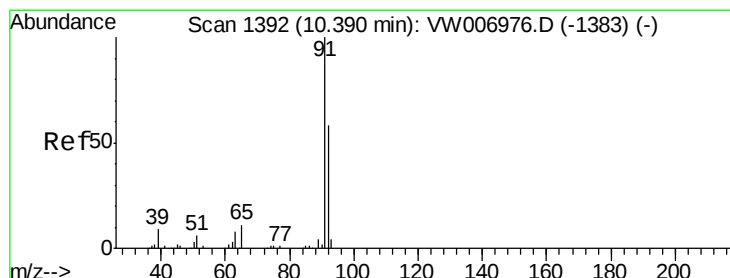
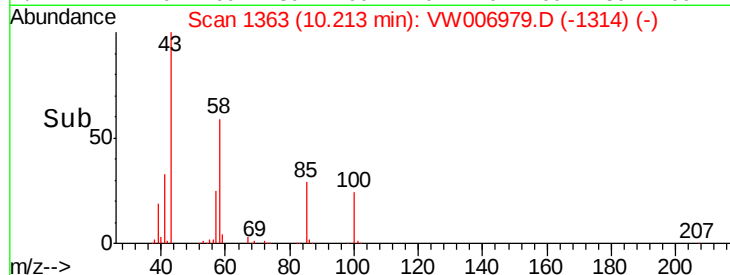
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 146.935 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006979.D

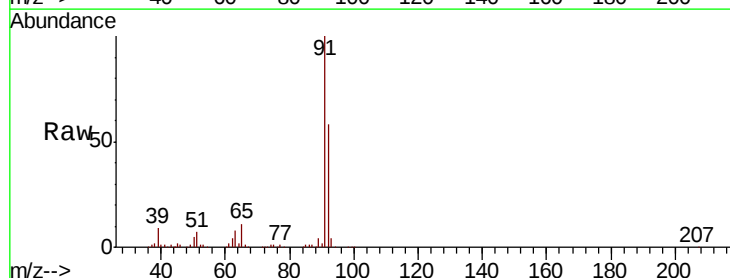
Acq: 20 Nov 2018 16:21

Tgt Ion: 92 Resp: 494784

Ion Ratio Lower Upper

92 100

91 171.5 137.3 205.9



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.39

500000

400000

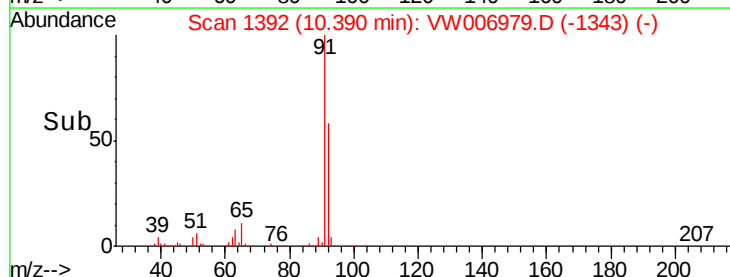
300000

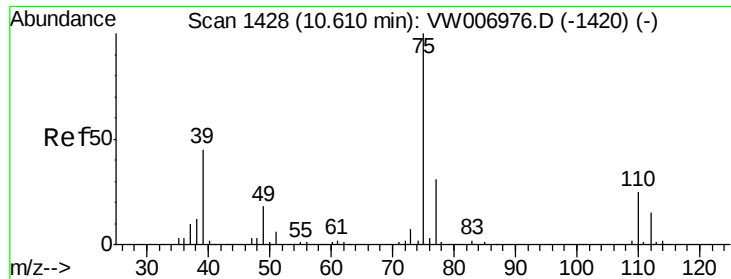
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 157.978 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006979.D

Acq: 20 Nov 2018 16:21

Instrument :

MSVOA_W

ClientSampleId :

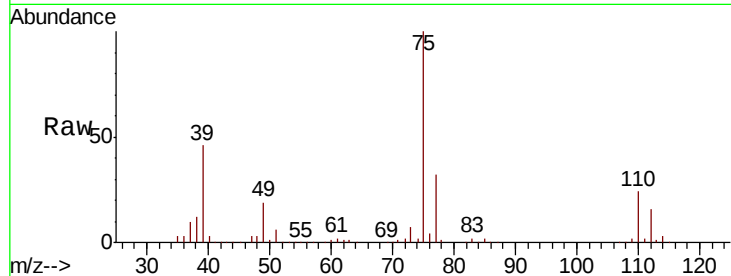
VSTDIC150

Tgt Ion: 75 Resp: 246284

Ion Ratio Lower Upper

75 100

77 31.9 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.61

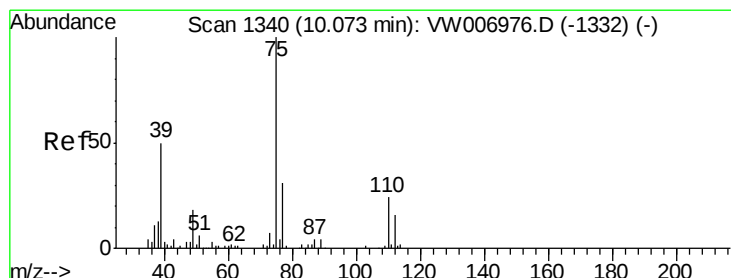
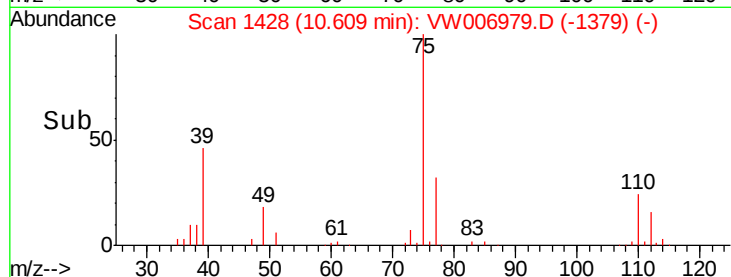
150000

100000

50000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 153.094 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW006979.D

Acq: 20 Nov 2018 16:21

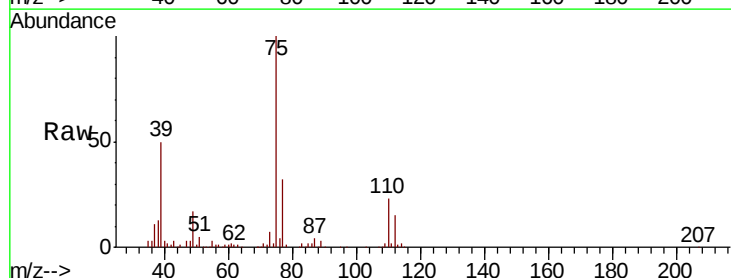
Tgt Ion: 75 Resp: 288346

Ion Ratio Lower Upper

75 100

77 32.5 25.0 37.6

39 50.3 39.9 59.9



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

10.07

200000

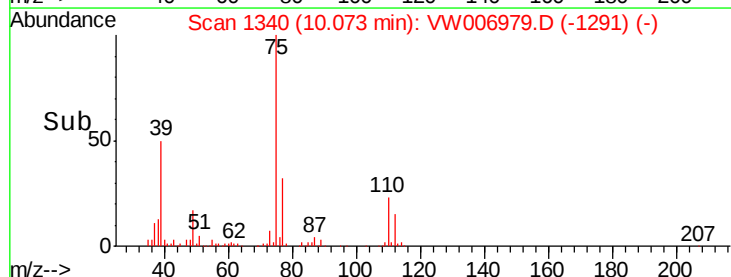
150000

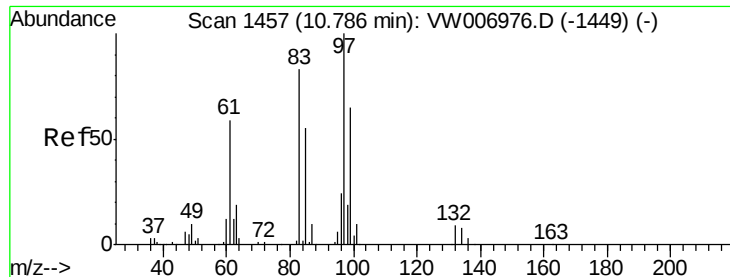
100000

50000

0

Time--> 10.00 10.10

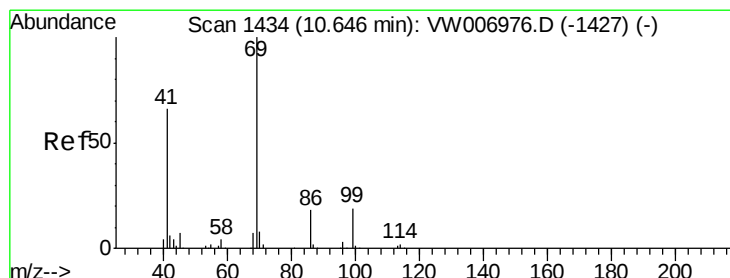
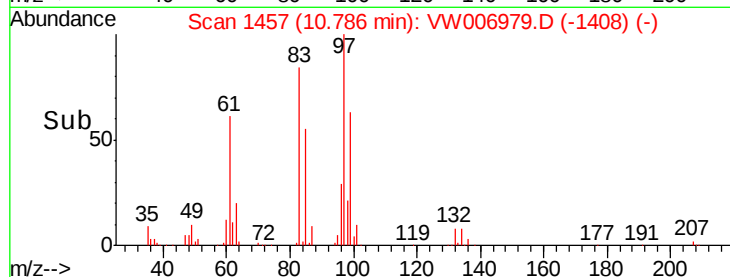
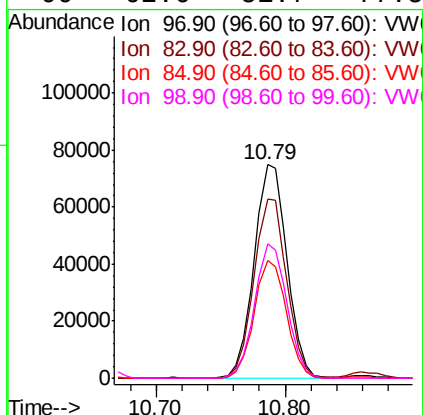
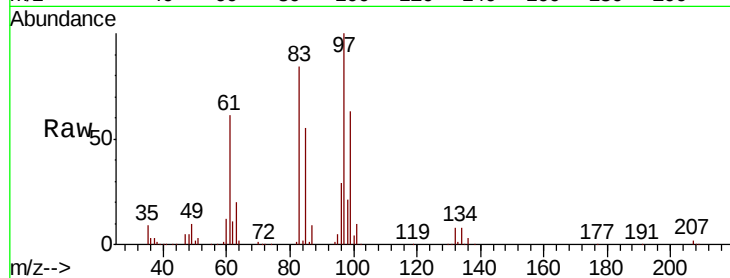




#55
 1,1,2-Trichloroethane
 Concen: 146.725 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW006979.D
 Acq: 20 Nov 2018 16:21

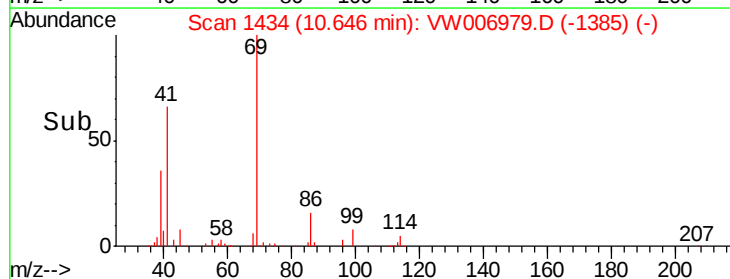
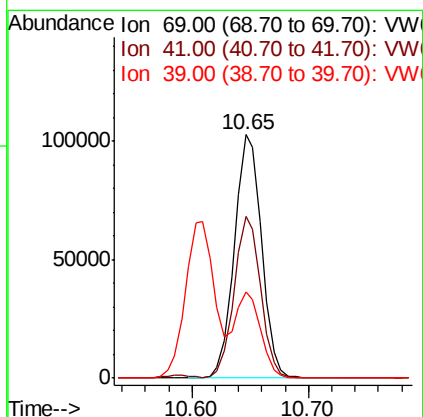
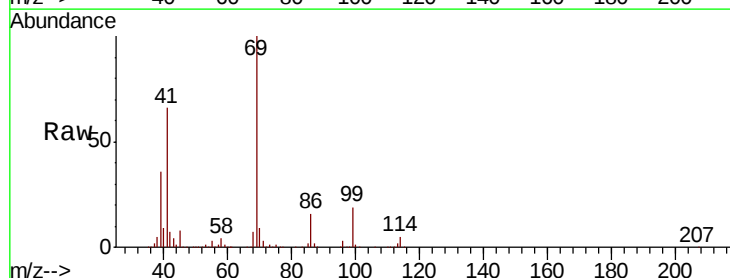
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

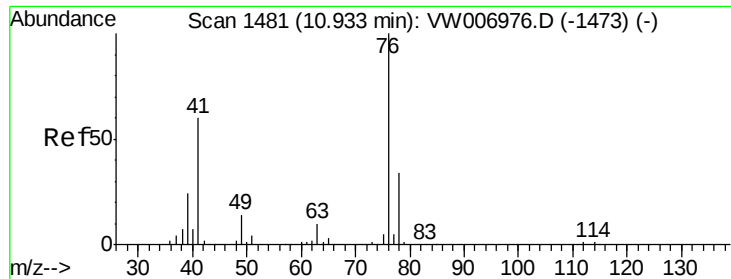
Tgt Ion:	97	Resp:	131858
Ion	Ratio	Lower	Upper
97	100		
83	83.9	66.4	99.6
85	55.2	44.1	66.1
99	62.6	51.7	77.5



#56
 Ethyl methacrylate
 Concen: 159.933 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW006979.D
 Acq: 20 Nov 2018 16:21

Tgt Ion:	69	Resp:	166836
Ion	Ratio	Lower	Upper
69	100		
41	64.6	53.4	80.0
39	34.3	28.2	42.4

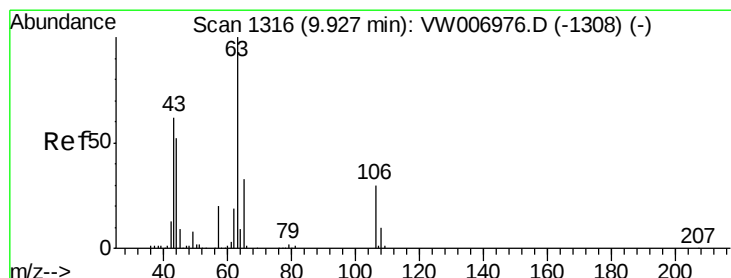
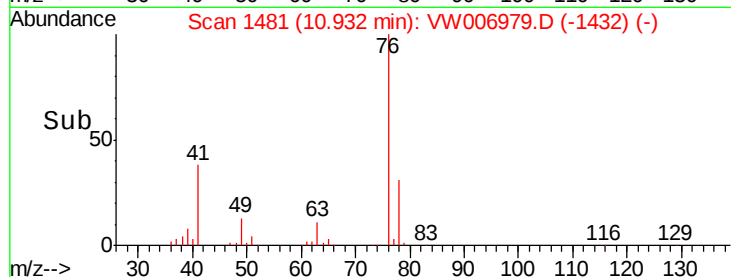
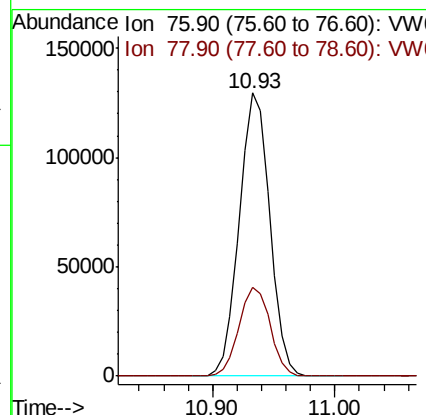
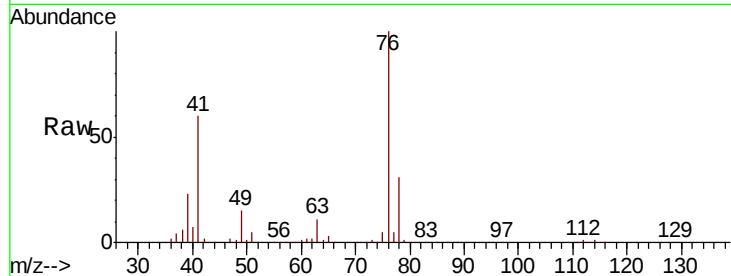




#57
 1,3-Dichloropropane
 Concen: 148.123 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW006979.D
 Acq: 20 Nov 2018 16:21

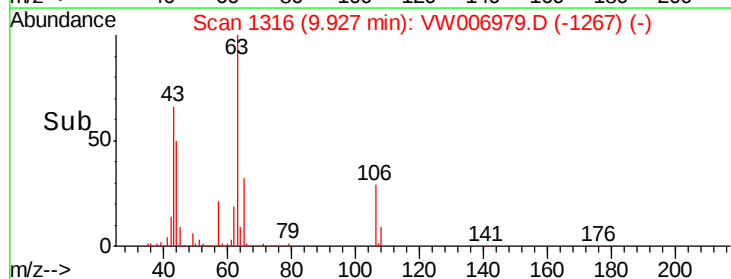
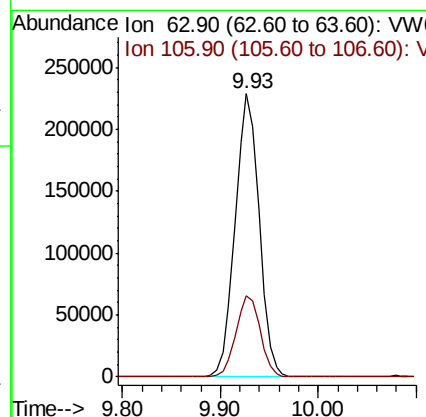
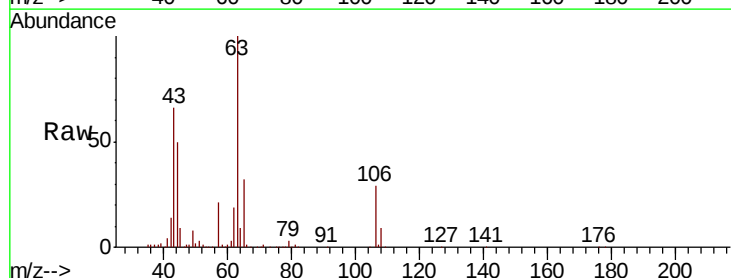
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

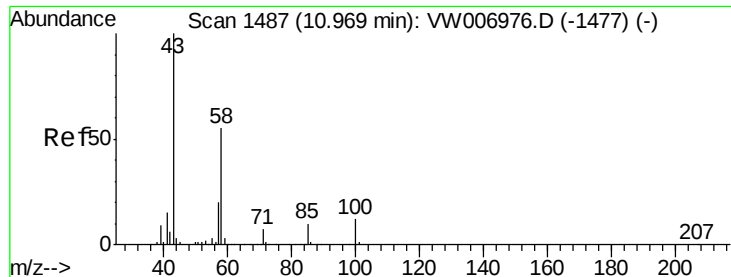
Tgt Ion: 76 Resp: 223076
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 713.631 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW006979.D
 Acq: 20 Nov 2018 16:21

Tgt Ion: 63 Resp: 389005
 Ion Ratio Lower Upper
 63 100
 106 29.1 23.5 35.3

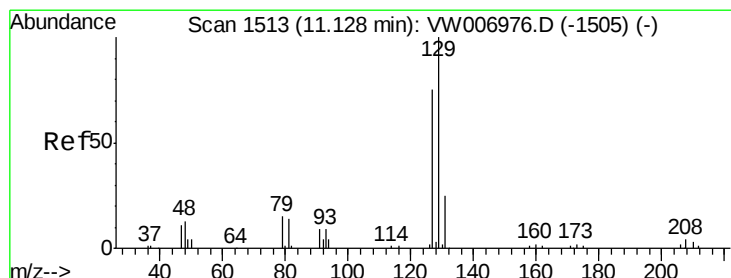
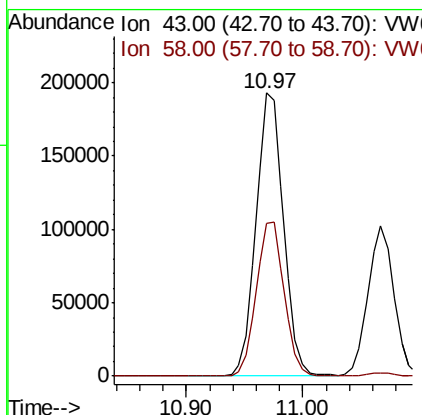
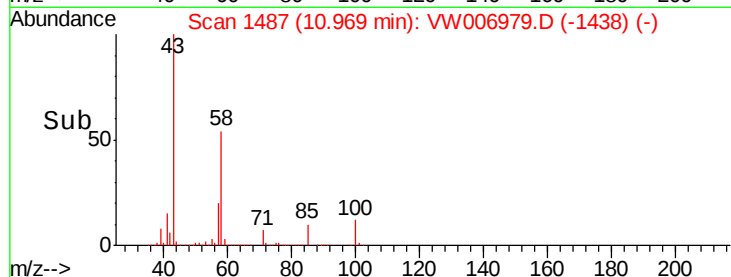
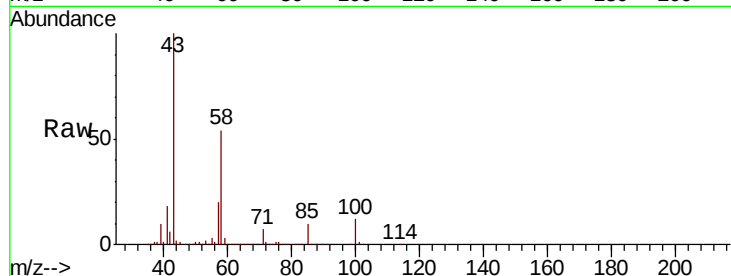




#59
2-Hexanone
Concen: 727.618 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW006979.D
Acq: 20 Nov 2018 16:21

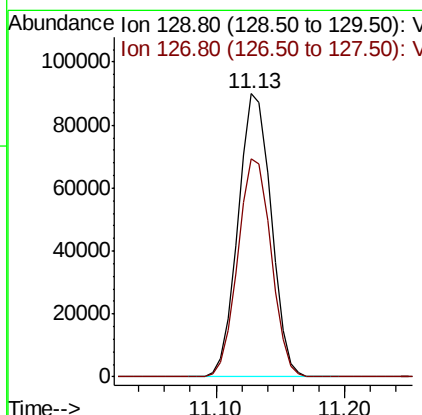
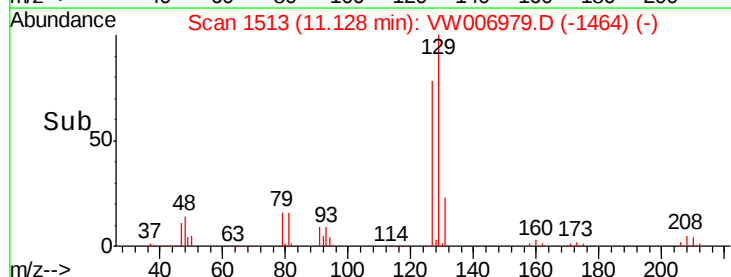
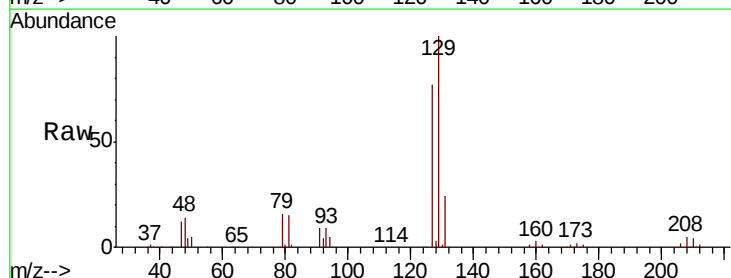
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

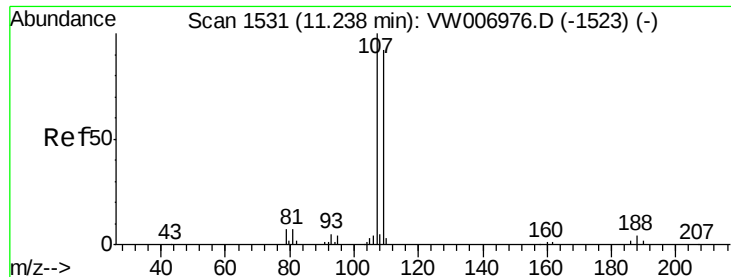
Tgt Ion: 43 Resp: 318739
Ion Ratio Lower Upper
43 100
58 55.0 27.3 81.8



#60
Dibromochloromethane
Concen: 156.310 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW006979.D
Acq: 20 Nov 2018 16:21

Tgt Ion: 129 Resp: 160063
Ion Ratio Lower Upper
129 100
127 77.5 38.3 114.8

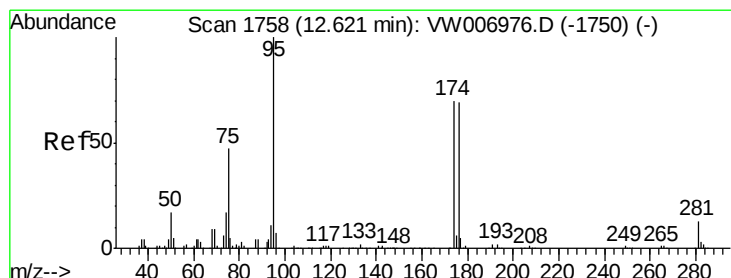
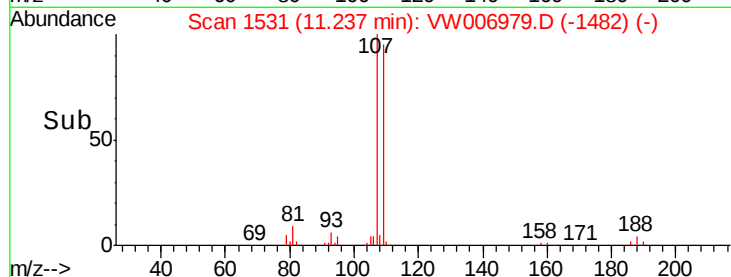
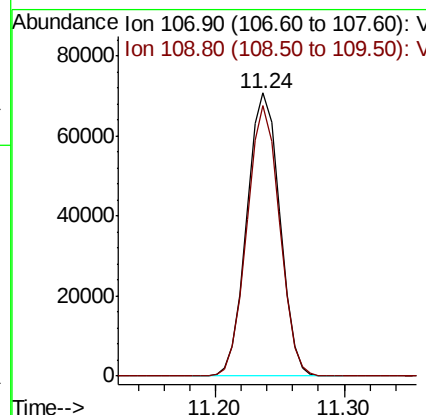
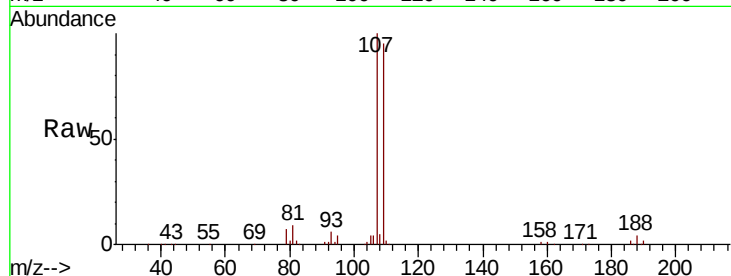




#61
 1,2-Dibromoethane
 Concen: 152.021 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW006979.D
 Acq: 20 Nov 2018 16:21

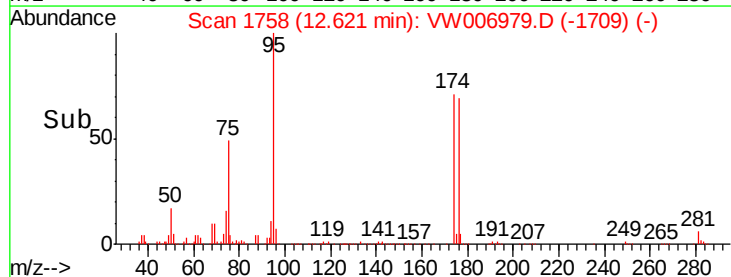
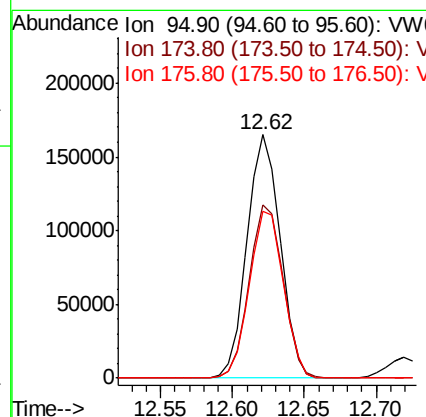
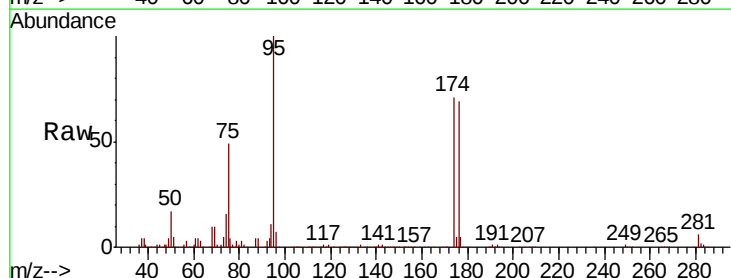
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

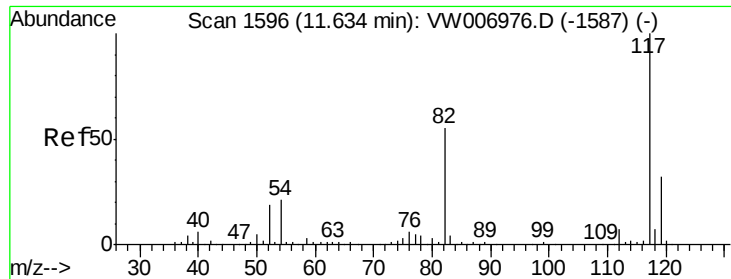
Tgt Ion: 107 Resp: 124975
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 143.044 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW006979.D
 Acq: 20 Nov 2018 16:21

Tgt Ion: 95 Resp: 263312
 Ion Ratio Lower Upper
 95 100
 174 72.6 0.0 143.6
 176 70.3 0.0 140.4

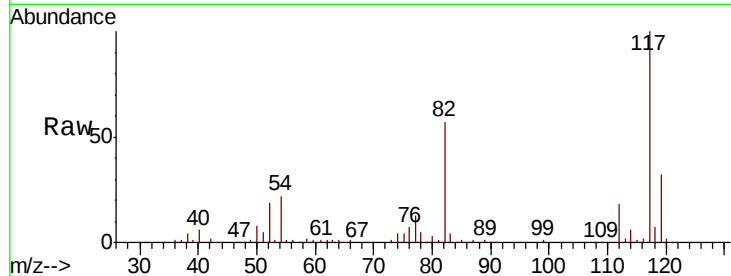




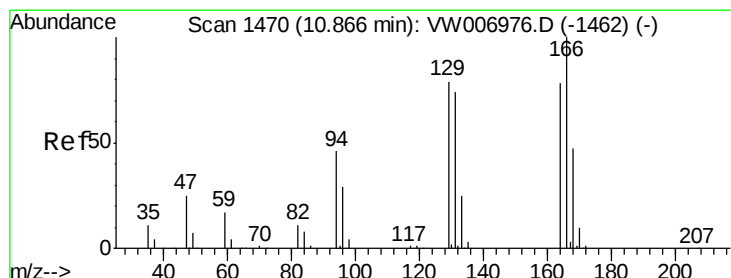
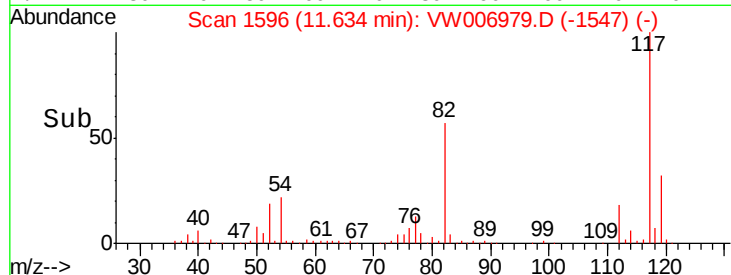
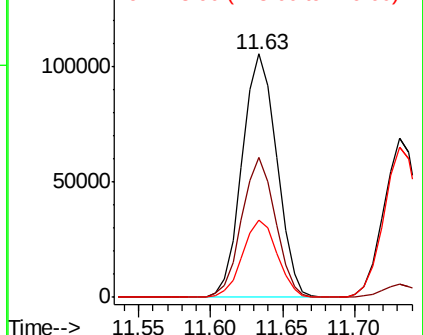
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006979.D
Acq: 20 Nov 2018 16:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:117 Resp: 176332
Ion Ratio Lower Upper
117 100
82 57.3 44.2 66.2
119 31.6 25.9 38.9

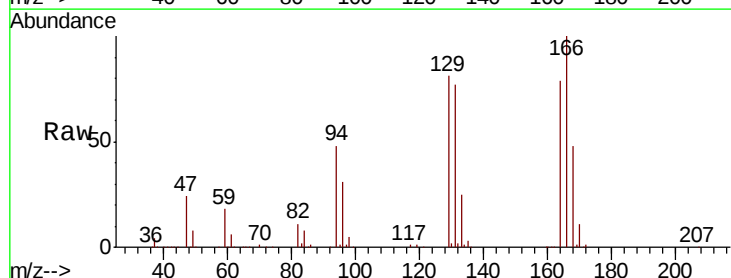


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

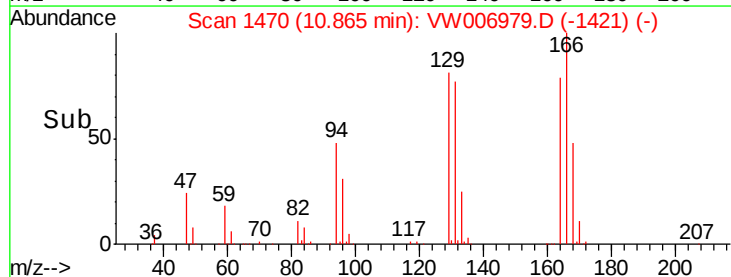
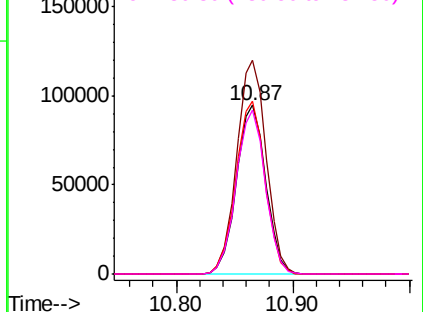


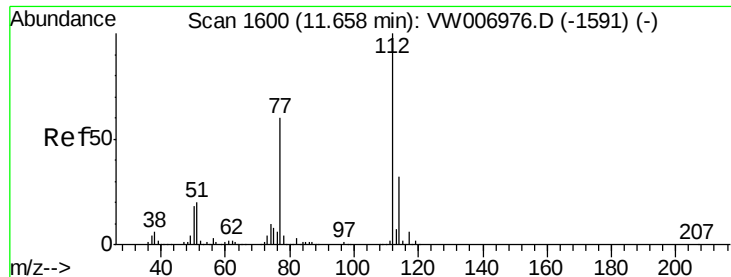
#64
Tetrachloroethene
Concen: 146.544 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006979.D
Acq: 20 Nov 2018 16:21

Tgt Ion:164 Resp: 166237
Ion Ratio Lower Upper
164 100
166 126.5 102.1 153.1
129 102.0 80.4 120.6
131 97.4 75.2 112.8



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

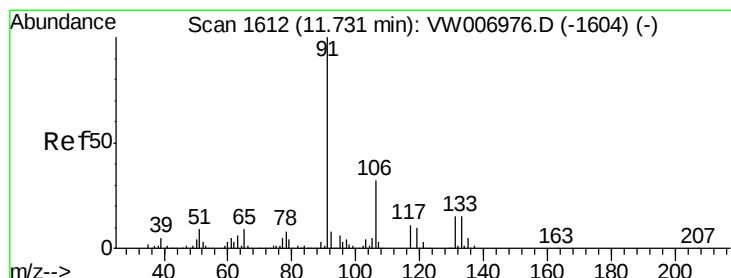
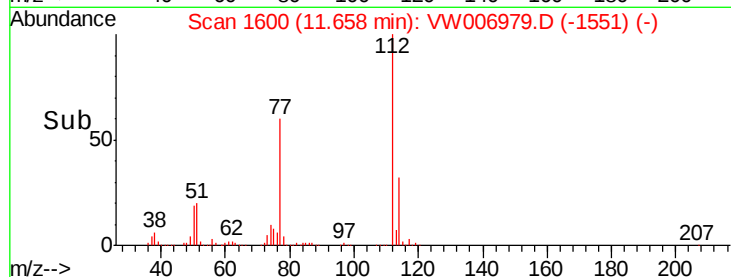
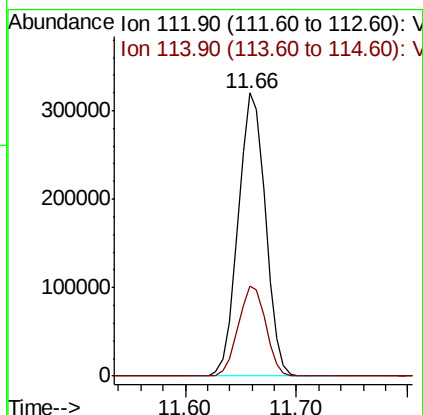
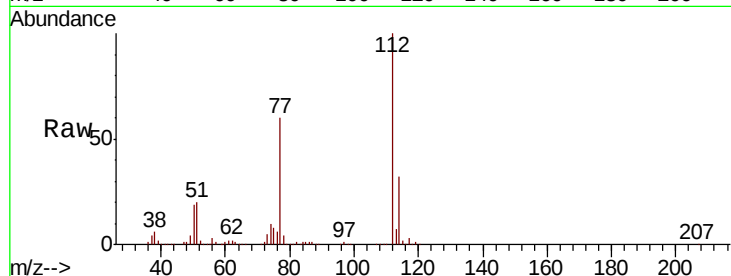




#65
Chlorobenzene
Concen: 147.375 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW006979.D
Acq: 20 Nov 2018 16:21

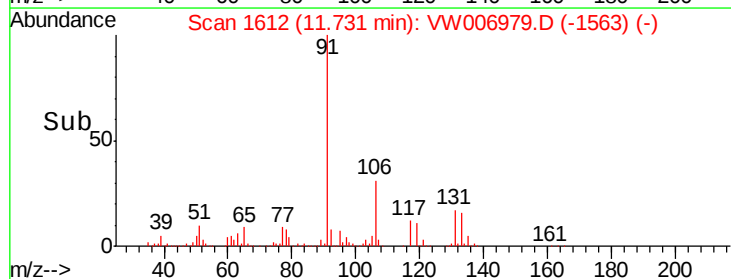
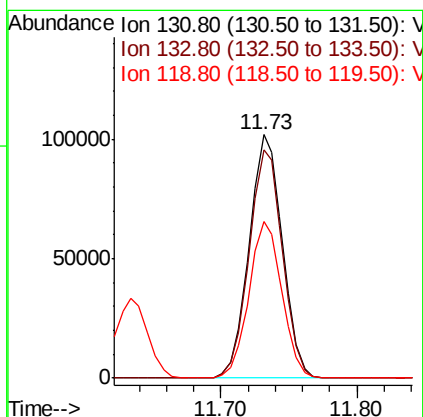
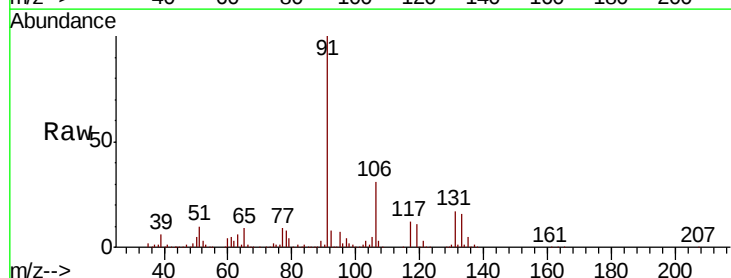
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

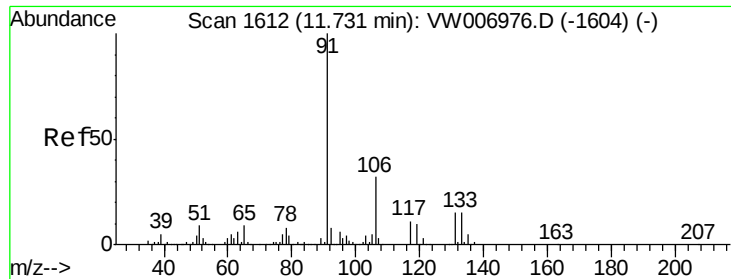
Tgt Ion:112 Resp: 542388
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 156.418 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW006979.D
Acq: 20 Nov 2018 16:21

Tgt Ion:131 Resp: 174144
Ion Ratio Lower Upper
131 100
133 94.4 47.7 143.1
119 63.8 31.8 95.3

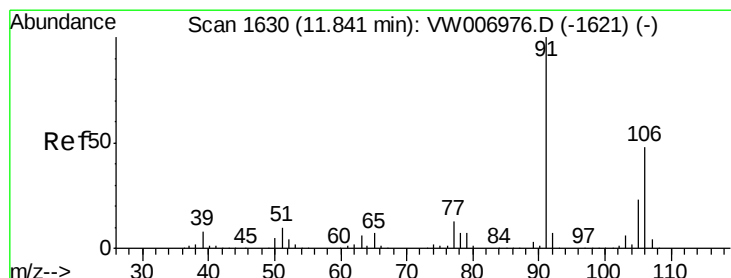
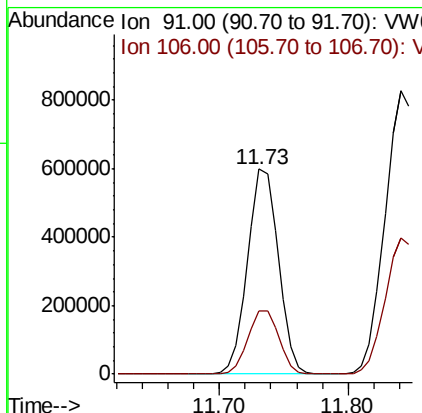
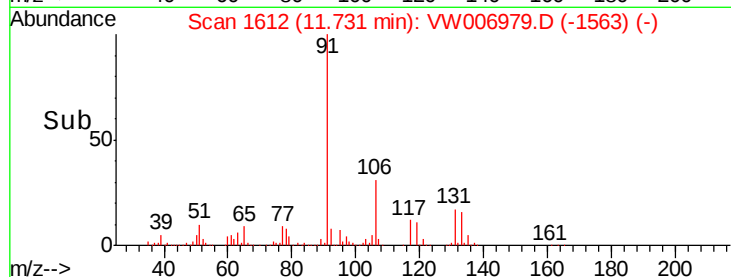
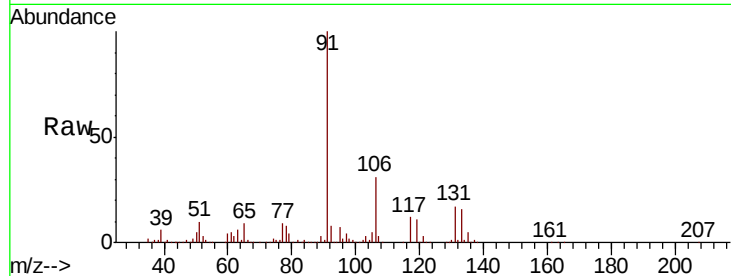




#67
Ethyl Benzene
Concen: 146.047 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW006979.D
Acq: 20 Nov 2018 16:21

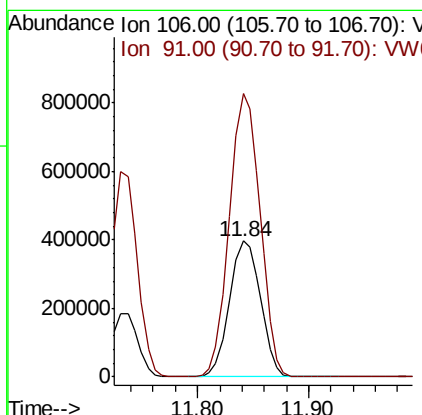
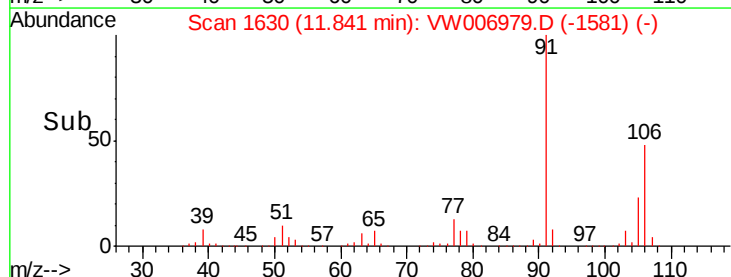
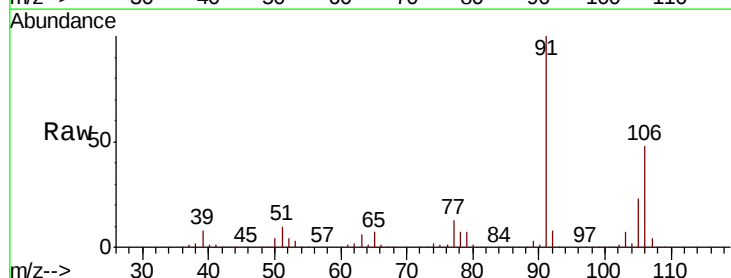
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

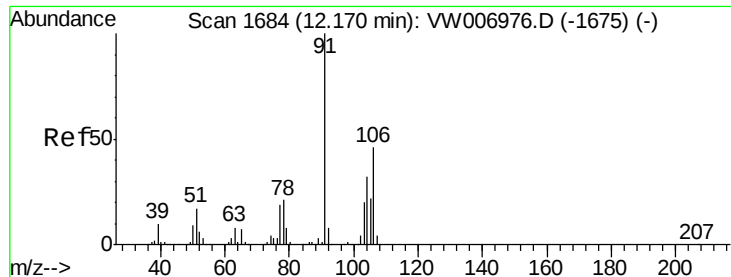
Tgt Ion: 91 Resp: 987415
Ion Ratio Lower Upper
91 100
106 30.8 25.4 38.2



#68
m/p-Xylenes
Concen: 289.316 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW006979.D
Acq: 20 Nov 2018 16:21

Tgt Ion: 106 Resp: 767420
Ion Ratio Lower Upper
106 100
91 206.7 164.8 247.2

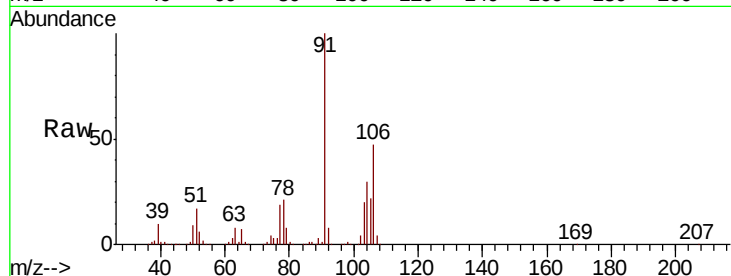




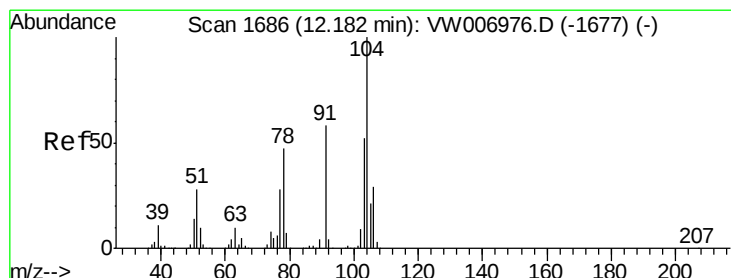
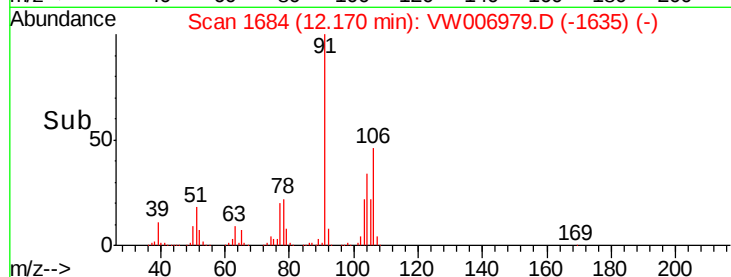
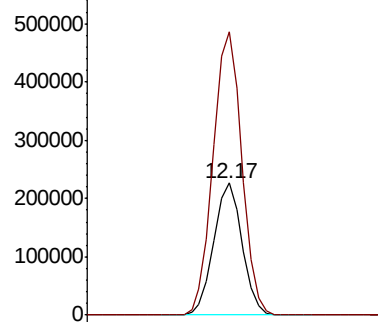
#69
o-Xylene
Concen: 145.094 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006979.D
Acq: 20 Nov 2018 16:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 362898
Ion Ratio Lower Upper
106 100
91 218.1 107.9 323.8

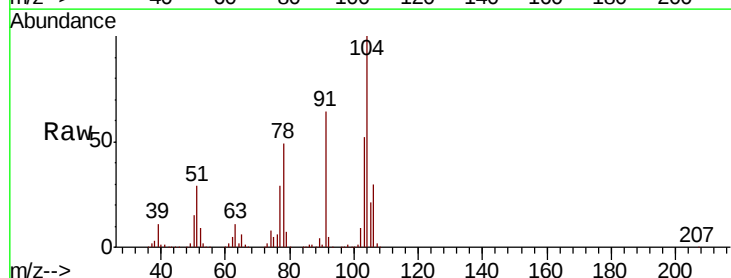


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

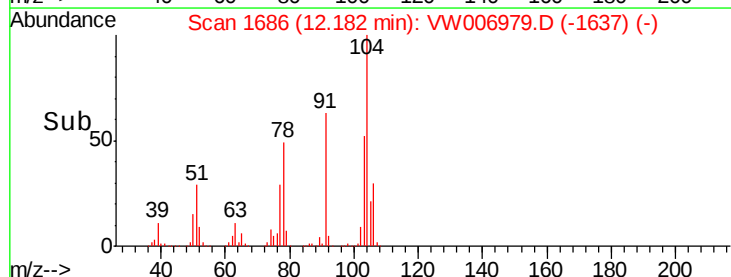
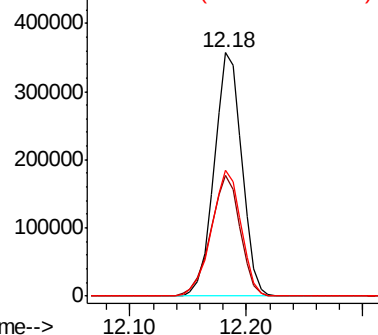


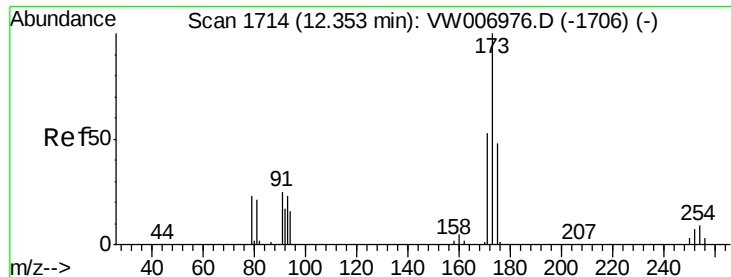
#70
Styrene
Concen: 147.834 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW006979.D
Acq: 20 Nov 2018 16:21

Tgt Ion:104 Resp: 588485
Ion Ratio Lower Upper
104 100
78 53.0 41.8 62.8
103 55.4 44.4 66.6



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





#71

Bromoform

Concen: 161.606 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW006979.D

Acq: 20 Nov 2018 16:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

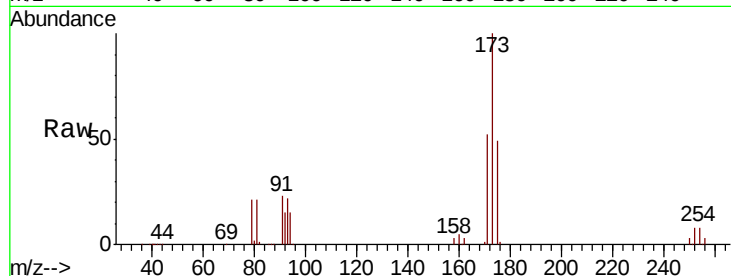
Tgt Ion:173 Resp: 84757

Ion Ratio Lower Upper

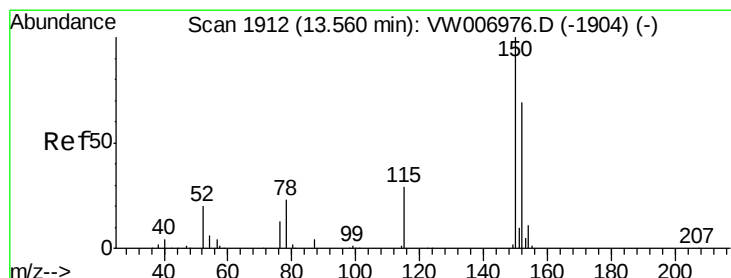
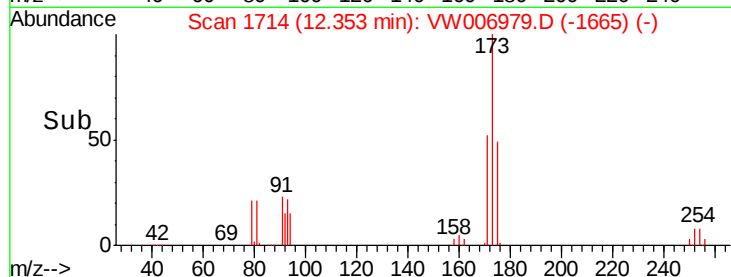
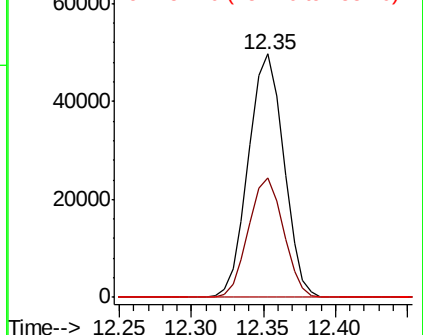
173 100

175 48.7 24.0 72.0

254 0.1 0.0 0.0#



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. 0.01 min

Lab File: VW006979.D

Acq: 20 Nov 2018 16:21

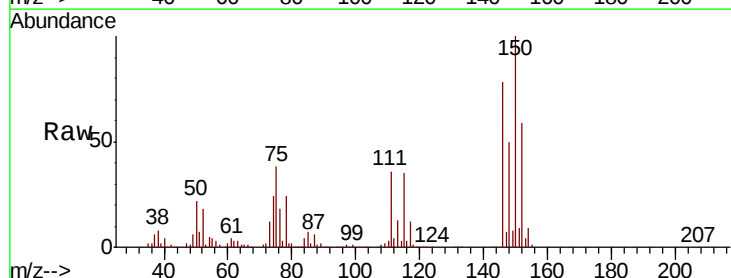
Tgt Ion:152 Resp: 83947

Ion Ratio Lower Upper

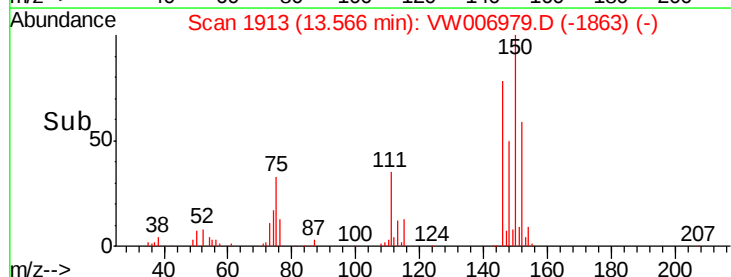
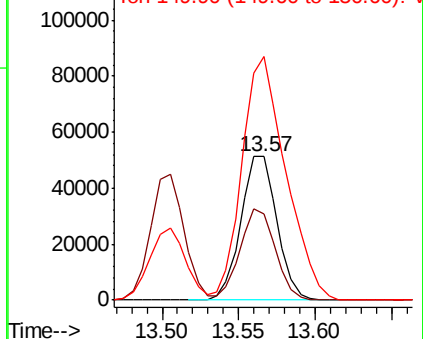
152 100

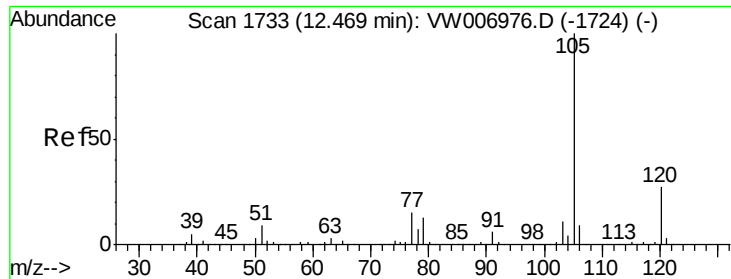
115 62.4 31.4 94.2

150 206.1 0.0 353.4



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: 153.469 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006979.D

Acq: 20 Nov 2018 16:21

Instrument :

MSVOA_W

ClientSampleId :

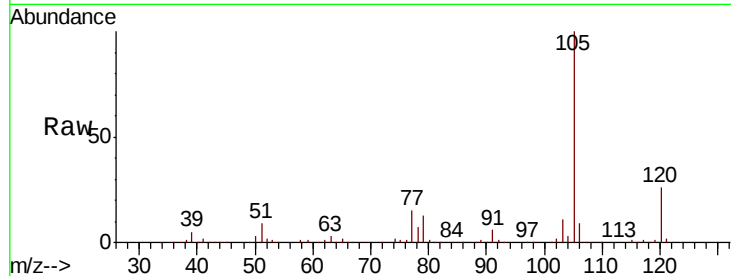
VSTDIC150

Tgt Ion:105 Resp: 1001267

Ion Ratio Lower Upper

105 100

120 26.3 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

600000

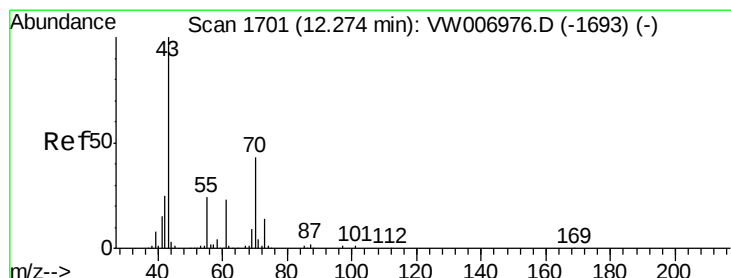
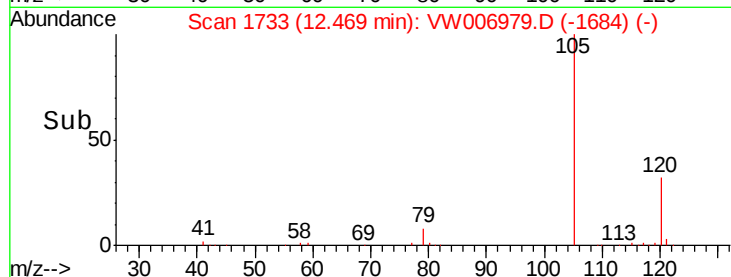
400000

200000

0

Time-->

12.40 12.50 12.60



#74

N-ethyl acetate

Concen: 160.988 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW006979.D

Acq: 20 Nov 2018 16:21

Tgt Ion: 43 Resp: 176034

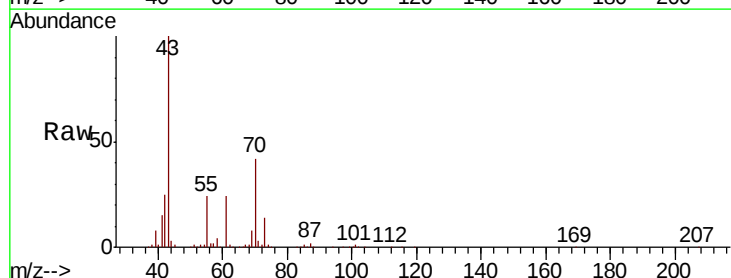
Ion Ratio Lower Upper

43 100

70 42.4 34.0 51.0

55 23.7 19.4 29.0

61 24.1 19.4 29.2



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

12.27

150000

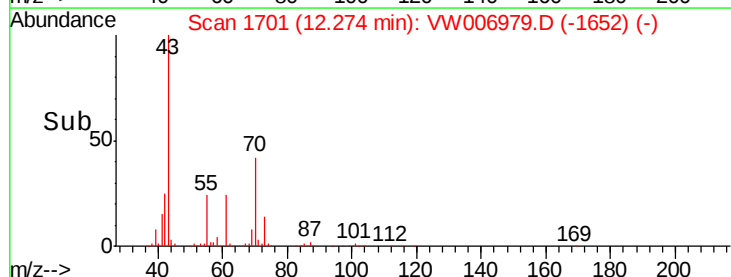
100000

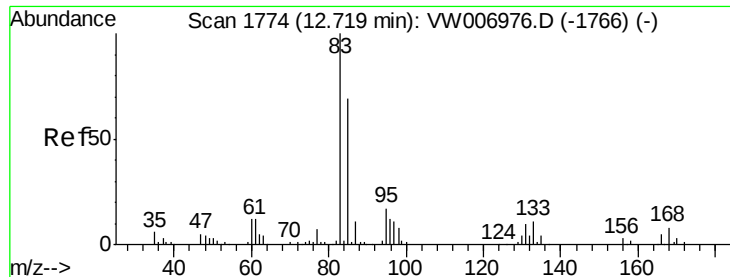
50000

0

Time-->

12.20 12.30 12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 152.479 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006979.D

Acq: 20 Nov 2018 16:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

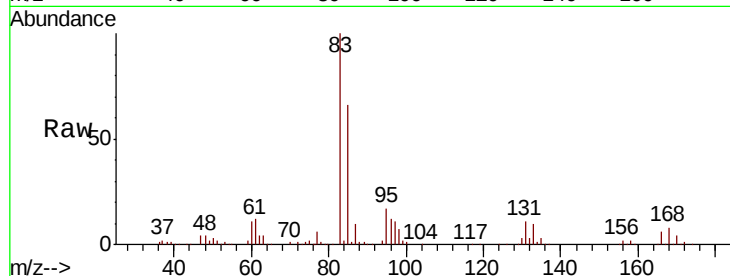
Tgt Ion: 83 Resp: 132393

Ion Ratio Lower Upper

83 100

131 11.4 5.7 17.1

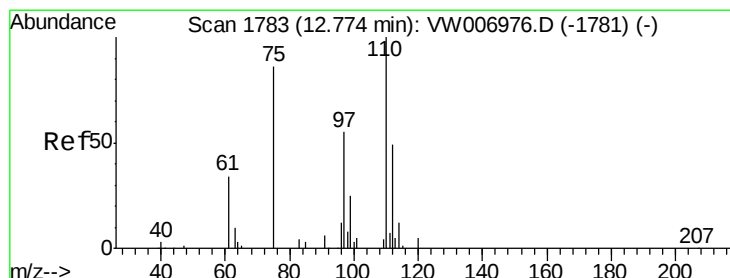
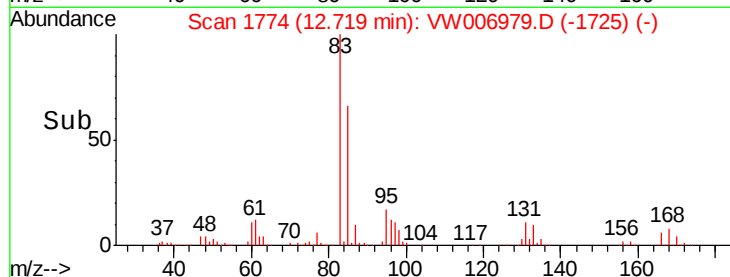
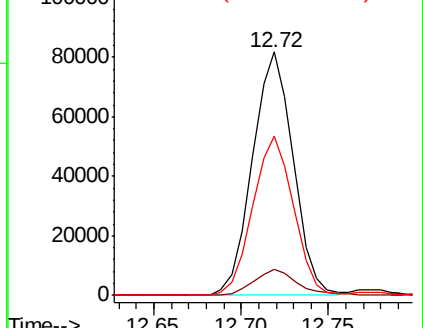
85 65.3 33.1 99.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 171.874 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW006979.D

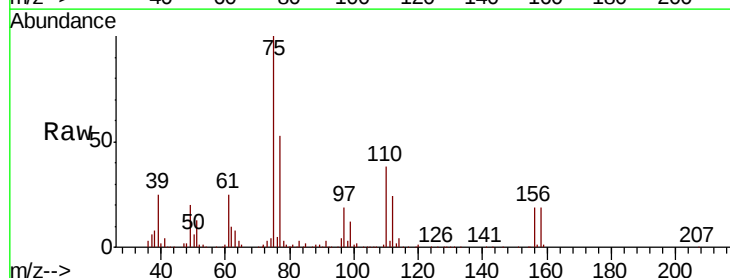
Acq: 20 Nov 2018 16:21

Tgt Ion: 75 Resp: 186747

Ion Ratio Lower Upper

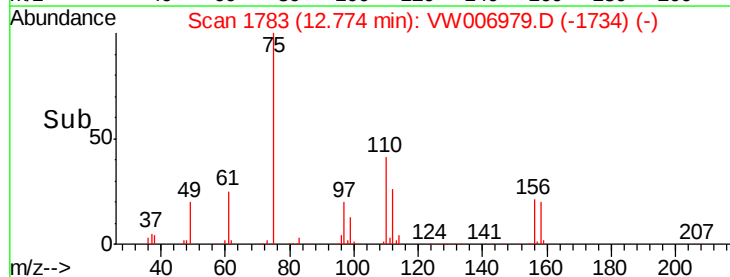
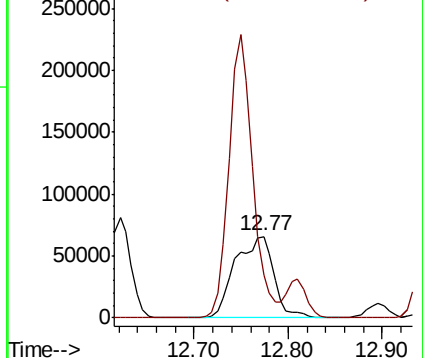
75 100

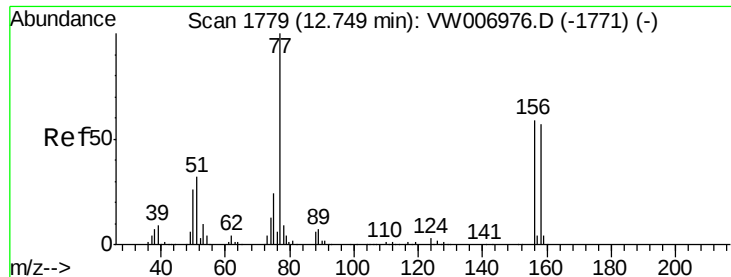
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 150.324 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW006979.D

Acq: 20 Nov 2018 16:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

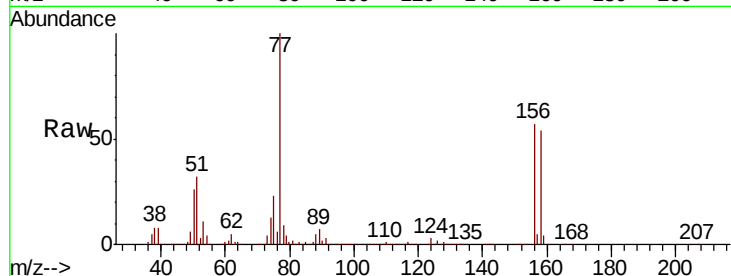
Tgt Ion:156 Resp: 210648

Ion Ratio Lower Upper

156 100

77 191.8 94.6 283.8

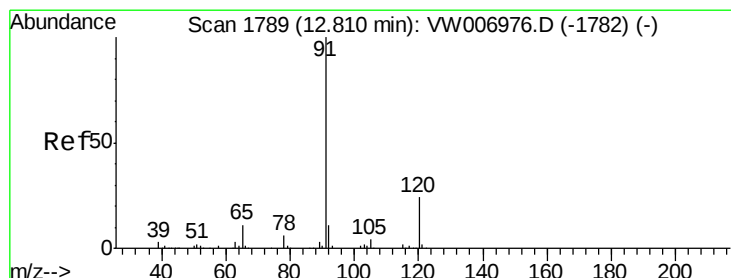
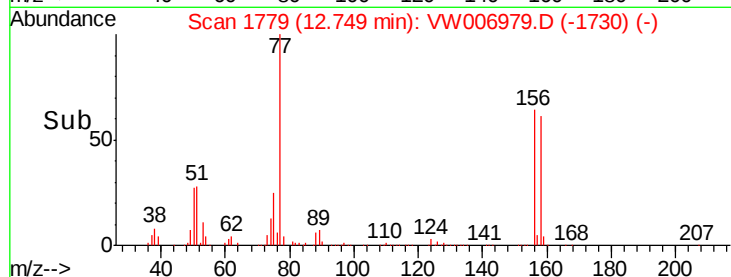
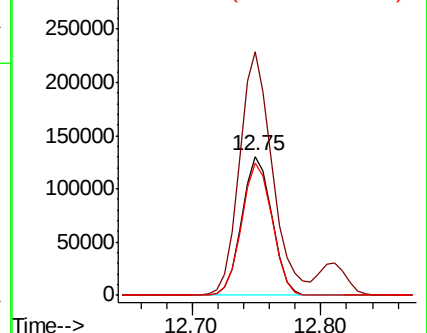
158 96.5 48.9 146.7



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: 151.566 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW006979.D

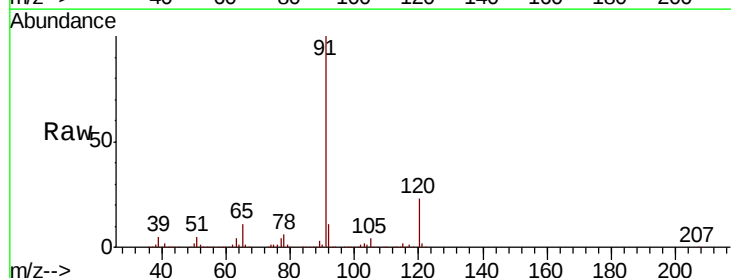
Acq: 20 Nov 2018 16:21

Tgt Ion: 91 Resp: 1197801

Ion Ratio Lower Upper

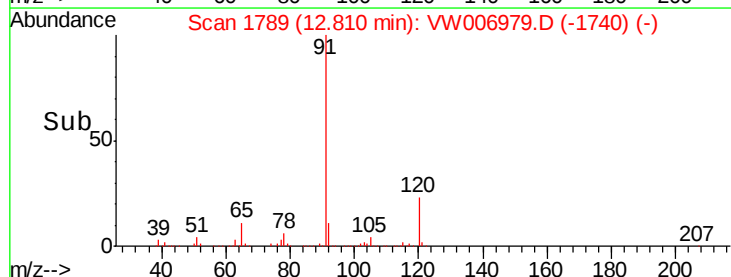
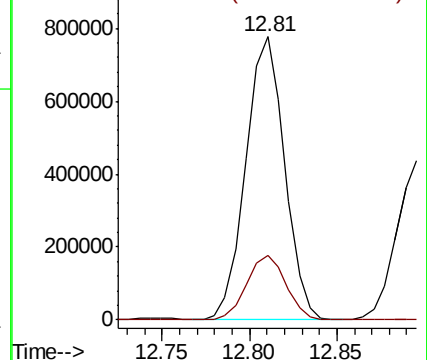
91 100

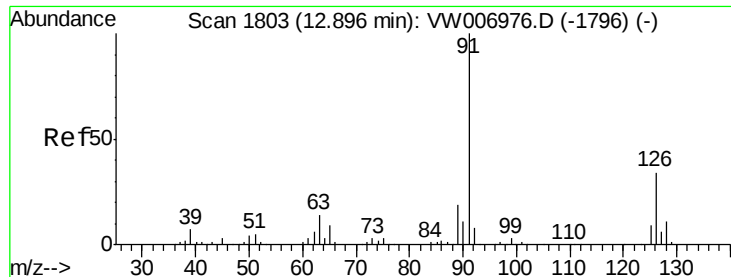
120 23.1 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

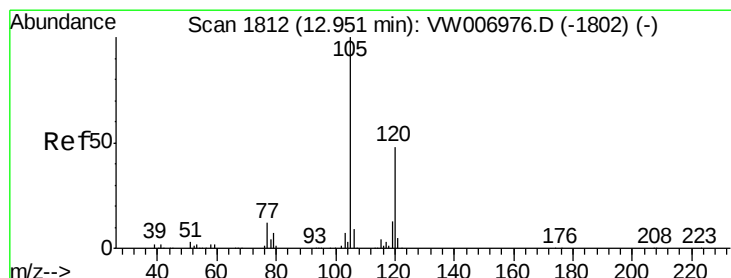
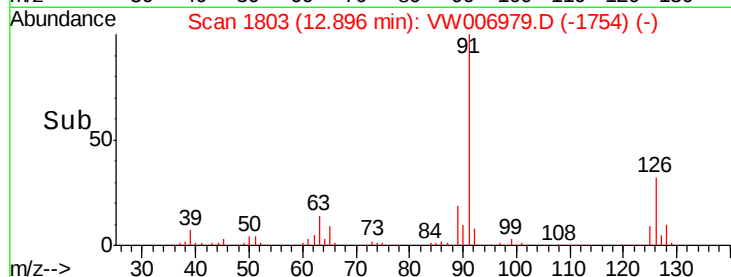
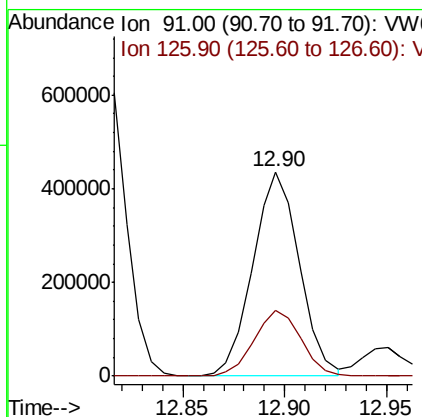
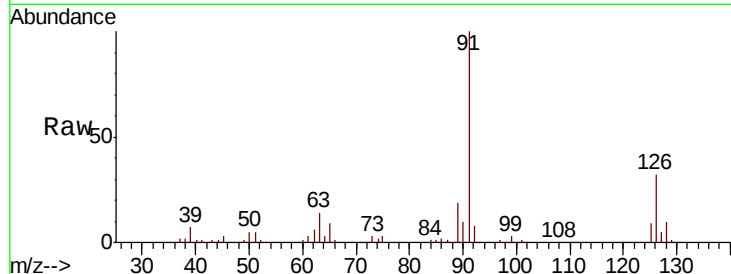




#79
 2-Chlorotoluene
 Concen: 151.436 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW006979.D
 Acq: 20 Nov 2018 16:21

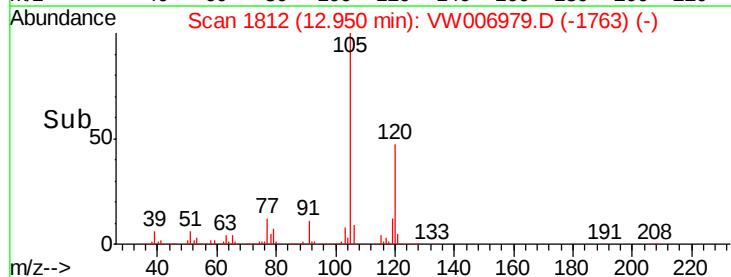
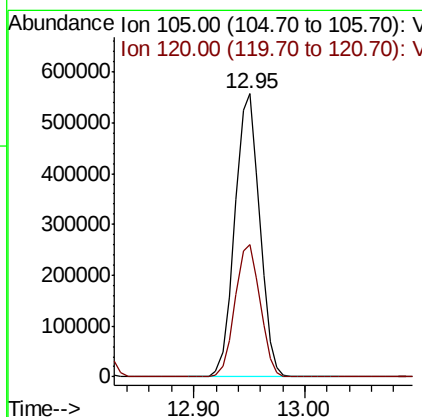
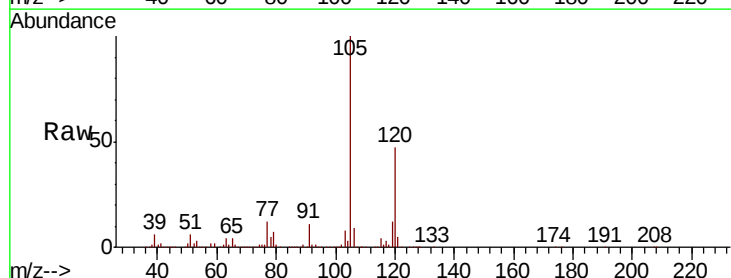
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

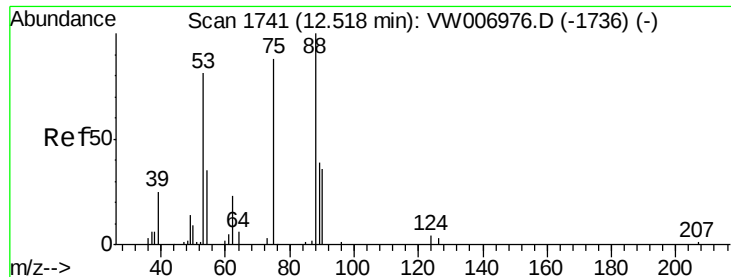
Tgt Ion: 91 Resp: 690050
 Ion Ratio Lower Upper
 91 100
 126 32.7 16.7 50.0



#80
 1,3,5-Trimethylbenzene
 Concen: 151.877 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW006979.D
 Acq: 20 Nov 2018 16:21

Tgt Ion: 105 Resp: 856870
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.8 71.2





#81

trans-1,4-Dichloro-2-butene

Concen: 163.534 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW006979.D

Acq: 20 Nov 2018 16:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

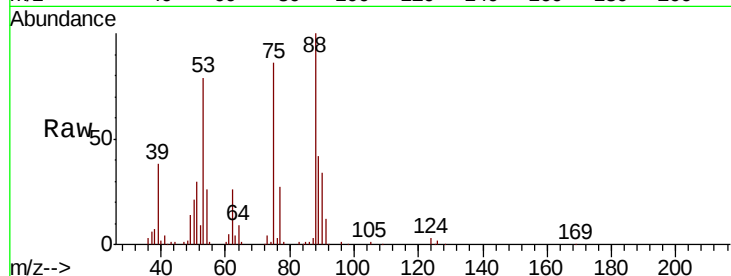
Tgt Ion: 75 Resp: 42968

Ion Ratio Lower Upper

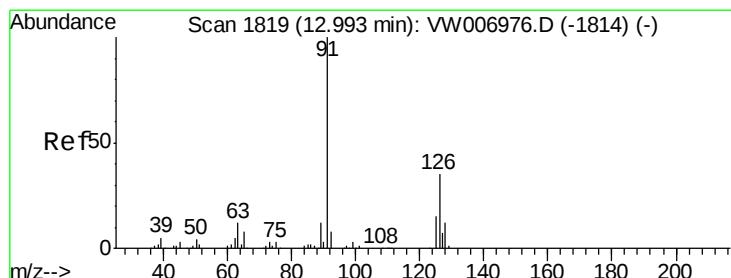
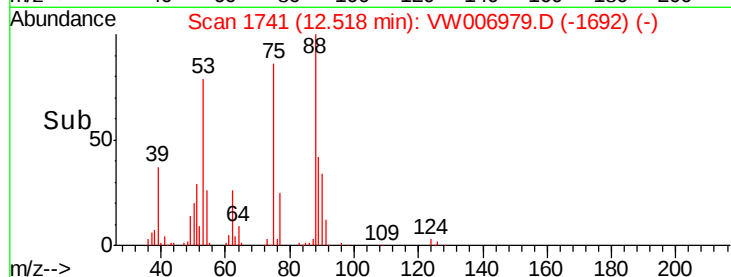
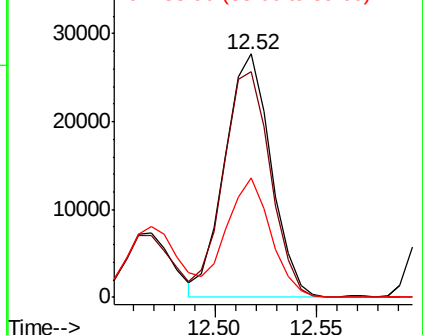
75 100

53 96.1 77.6 116.4

89 47.3 39.3 58.9



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 150.776 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW006979.D

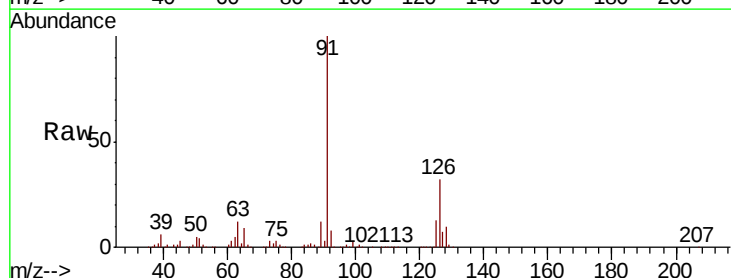
Acq: 20 Nov 2018 16:21

Tgt Ion: 91 Resp: 720988

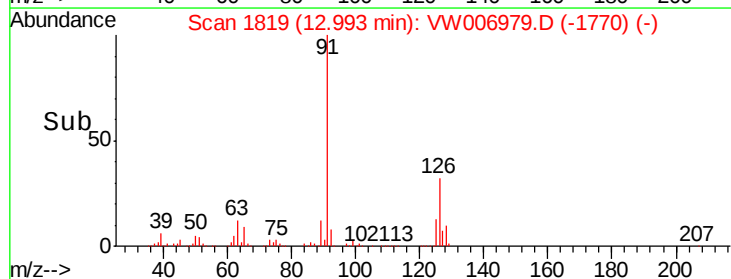
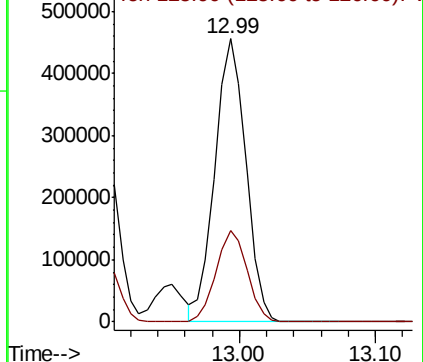
Ion Ratio Lower Upper

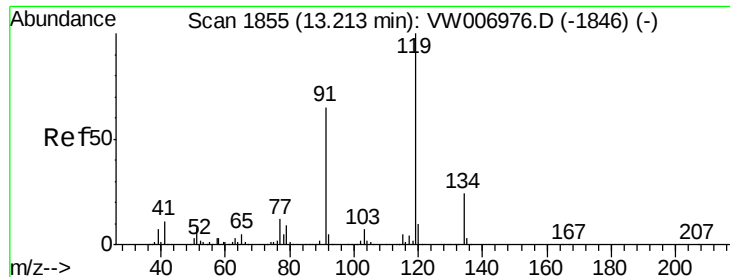
91 100

126 32.5 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V

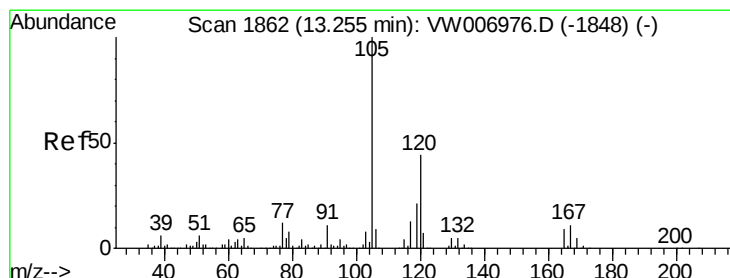
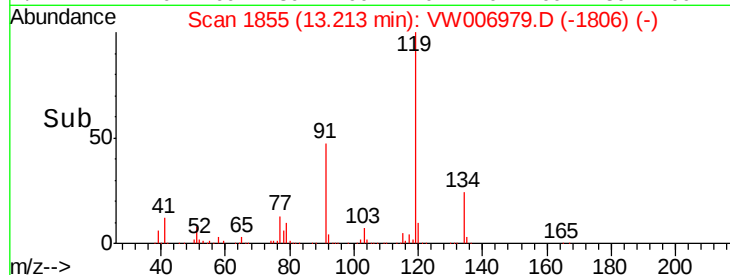
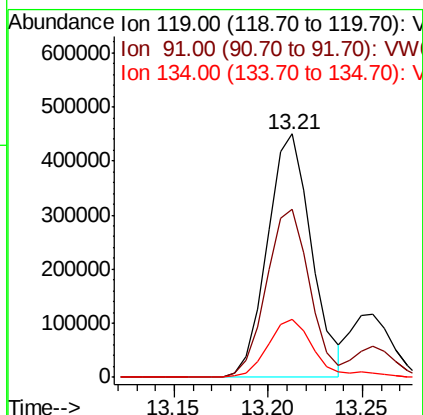
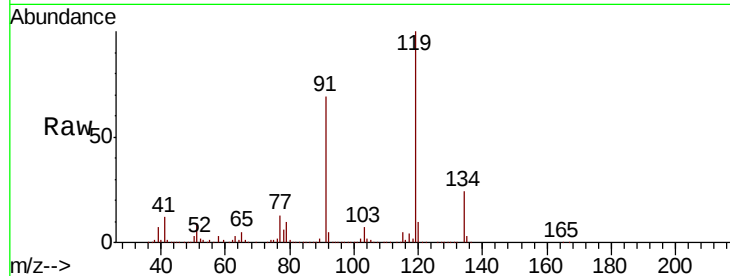




#83
 tert-Butylbenzene
 Concen: 149.902 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW006979.D
 Acq: 20 Nov 2018 16:21

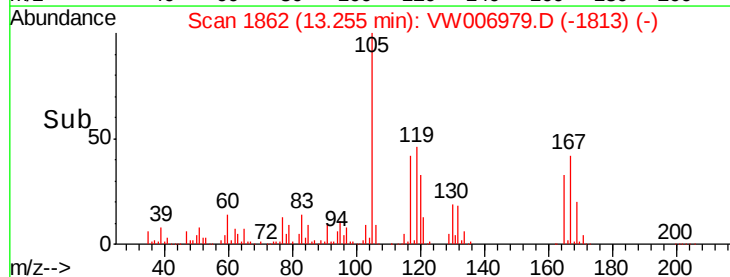
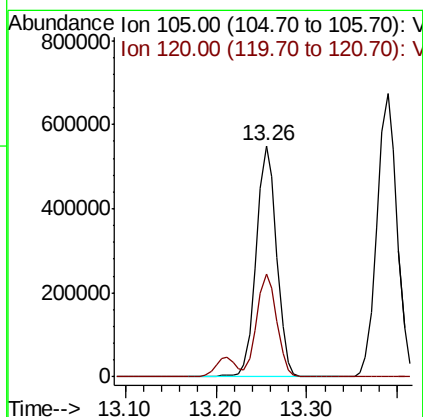
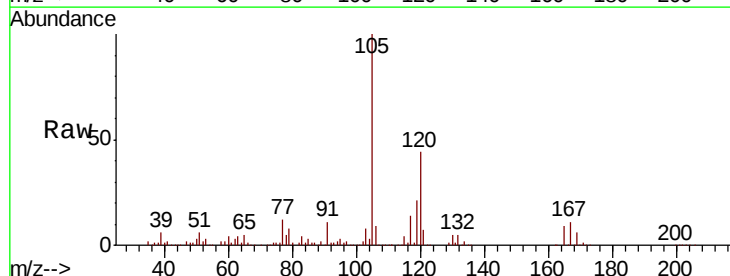
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

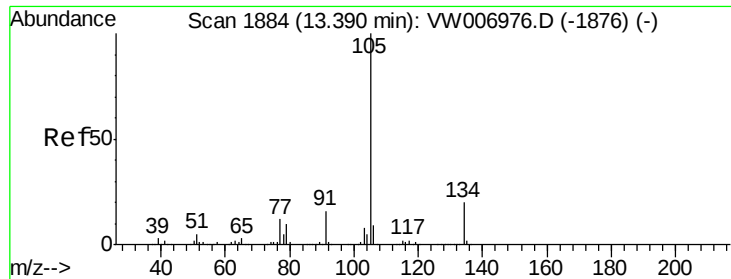
Tgt Ion:119 Resp: 732211
 Ion Ratio Lower Upper
 119 100
 91 67.8 33.5 100.5
 134 25.3 12.6 37.8



#84
 1,2,4-Trimethylbenzene
 Concen: 151.738 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW006979.D
 Acq: 20 Nov 2018 16:21

Tgt Ion:105 Resp: 852923
 Ion Ratio Lower Upper
 105 100
 120 43.7 21.8 65.3

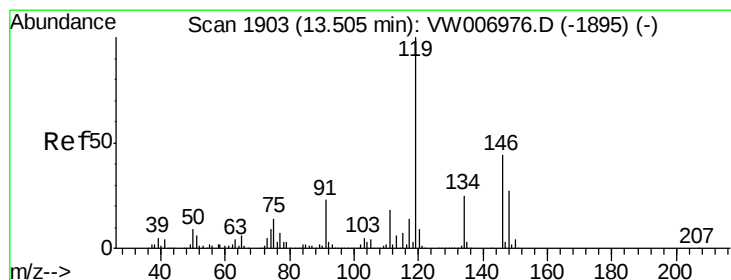
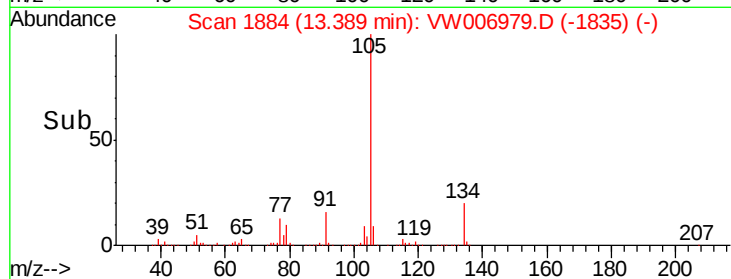
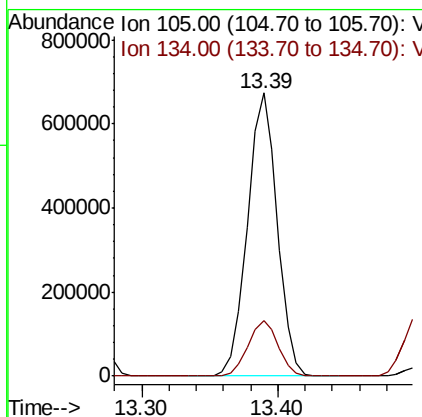
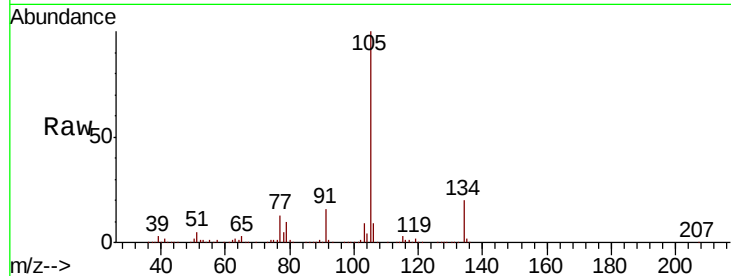




#85
 sec-Butylbenzene
 Concen: 149.276 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW006979.D
 Acq: 20 Nov 2018 16:21

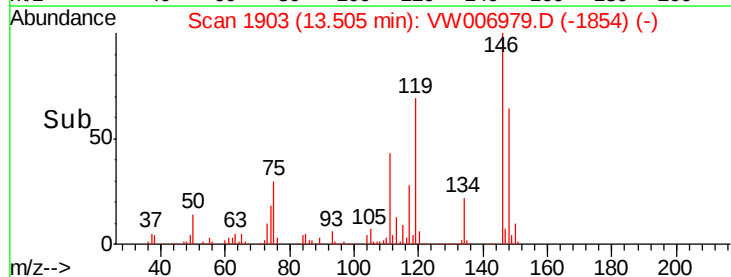
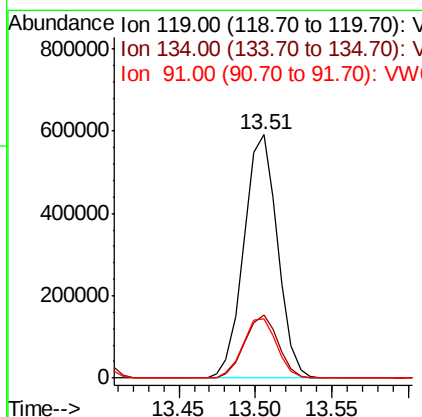
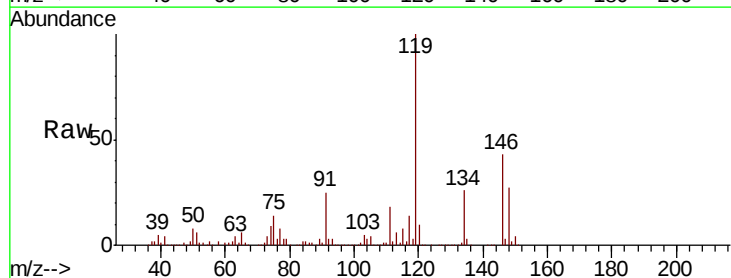
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

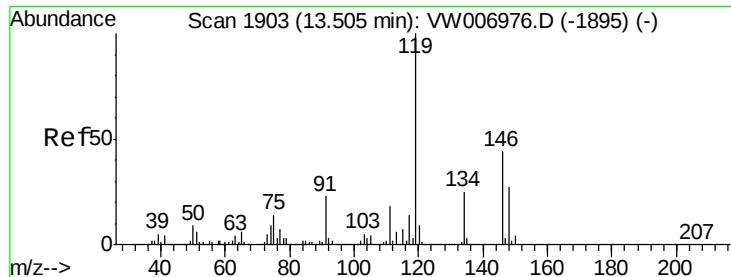
Tgt Ion:105 Resp: 1030096
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 148.066 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006979.D
 Acq: 20 Nov 2018 16:21

Tgt Ion:119 Resp: 901400
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.8 38.3
 91 24.7 12.2 36.6

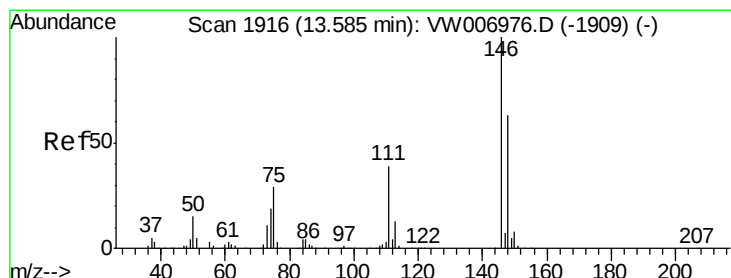
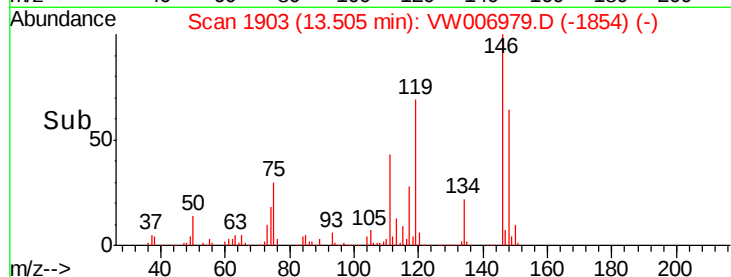
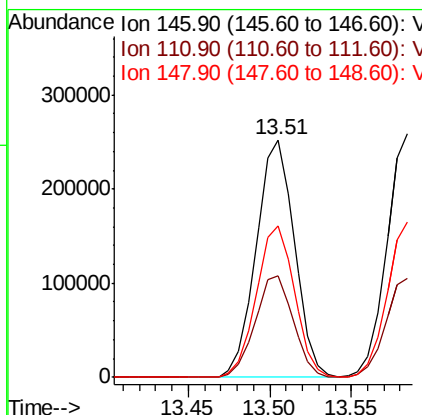
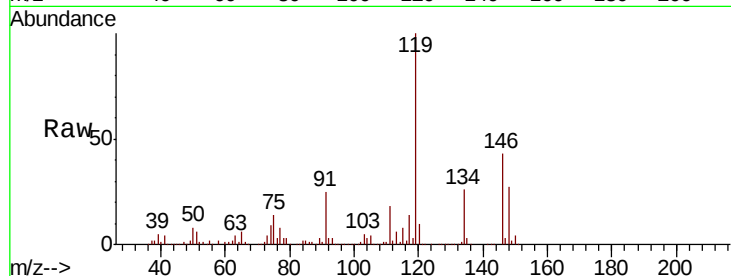




#87
 1,3-Dichlorobenzene
 Concen: 143.849 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006979.D
 Acq: 20 Nov 2018 16:21

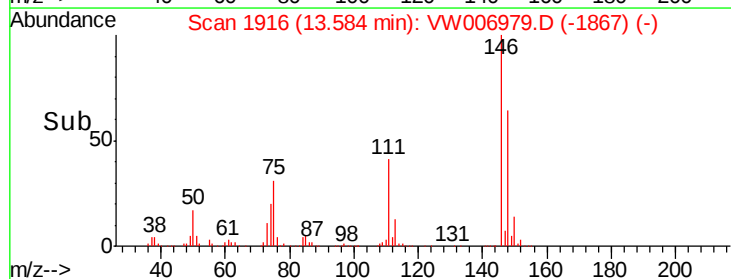
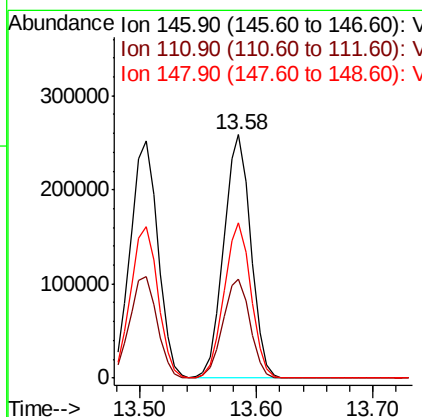
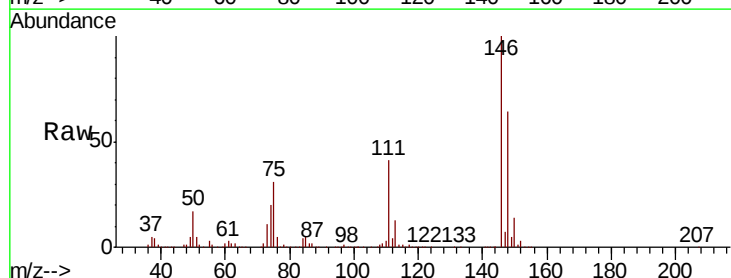
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

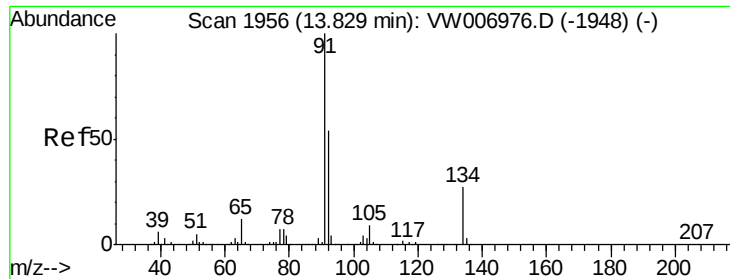
Tgt Ion:146 Resp: 411519
 Ion Ratio Lower Upper
 146 100
 111 42.6 21.1 63.3
 148 63.6 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 145.599 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW006979.D
 Acq: 20 Nov 2018 16:21

Tgt Ion:146 Resp: 415292
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.6 61.8
 148 63.7 32.3 96.8





#89

n-Butylbenzene

Concen: 151.821 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW006979.D

Acq: 20 Nov 2018 16:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

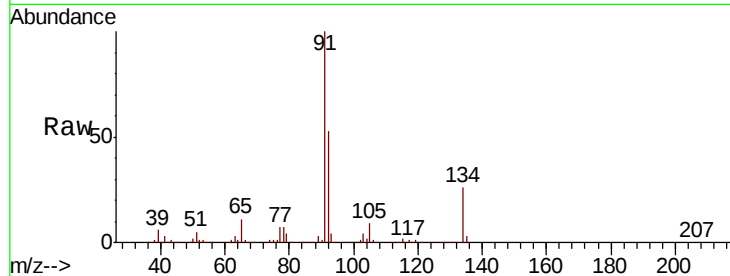
Tgt Ion: 91 Resp: 869785

Ion Ratio Lower Upper

91 100

92 53.3 26.8 80.4

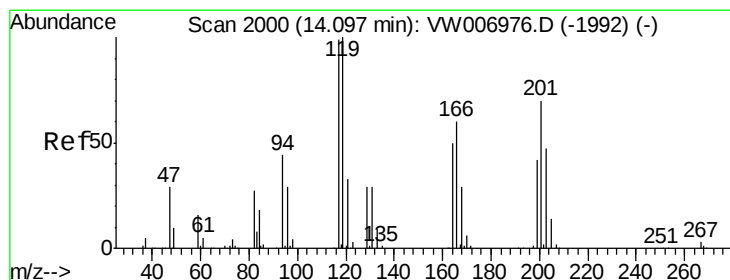
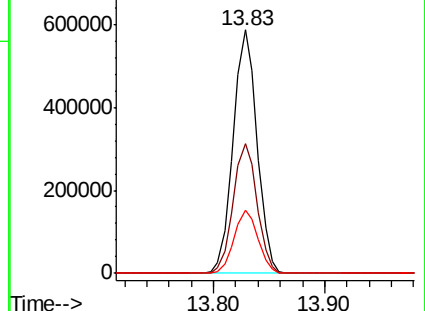
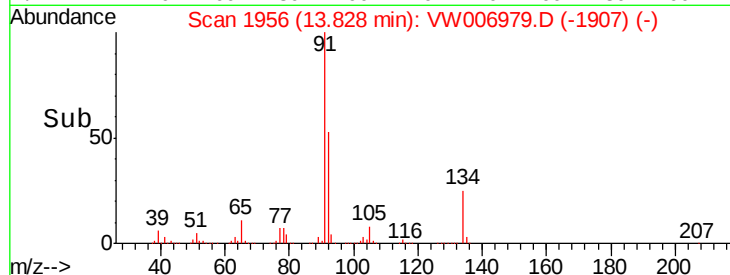
134 26.1 13.3 39.8



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: 164.833 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW006979.D

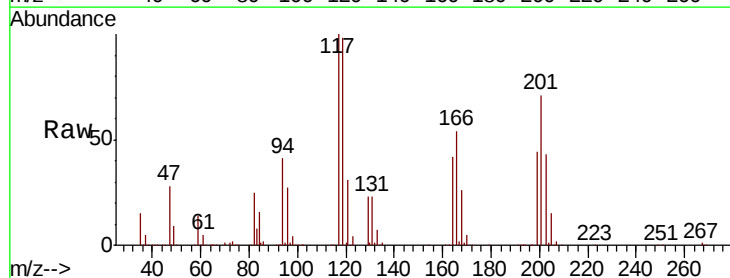
Acq: 20 Nov 2018 16:21

Tgt Ion: 117 Resp: 146503

Ion Ratio Lower Upper

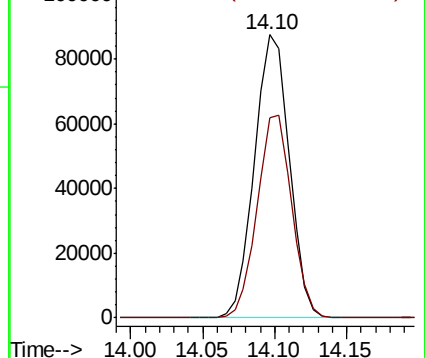
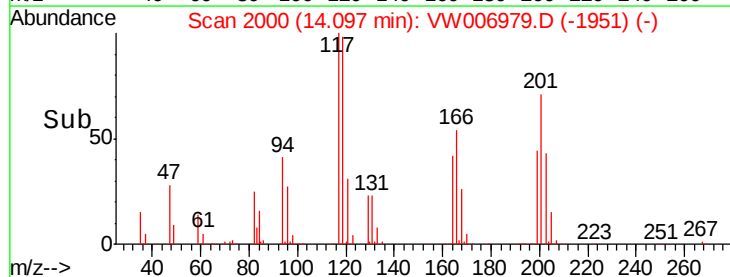
117 100

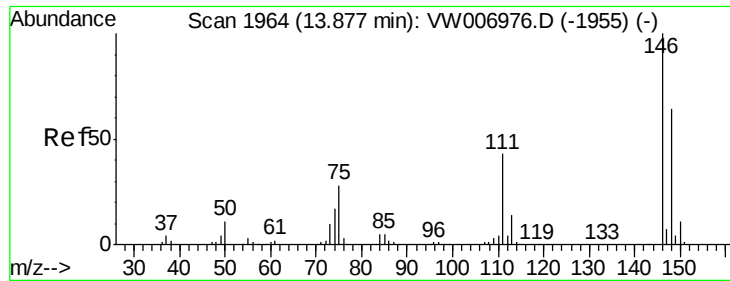
201 71.0 35.9 107.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

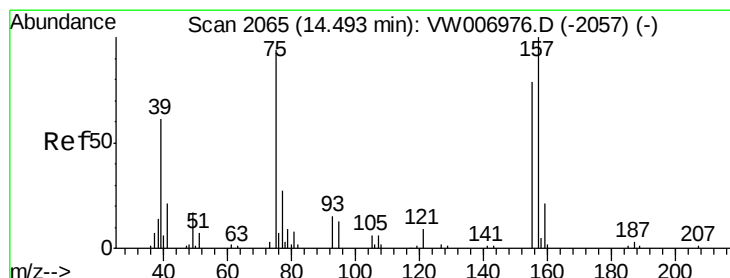
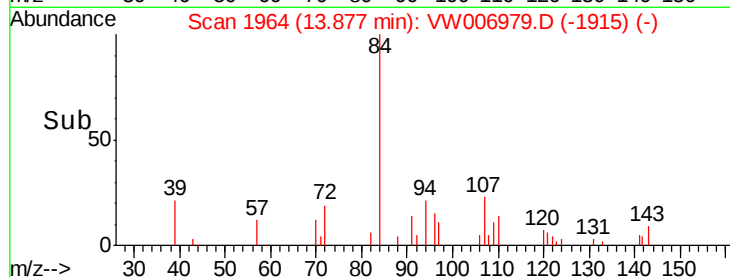
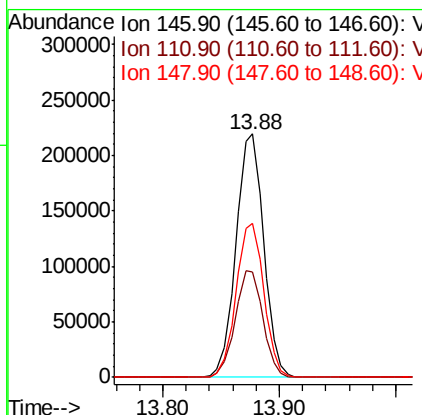
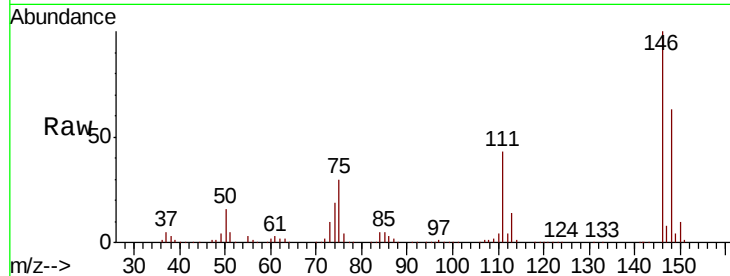




#91
 1,2-Dichlorobenzene
 Concen: 144.867 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW006979.D
 Acq: 20 Nov 2018 16:21

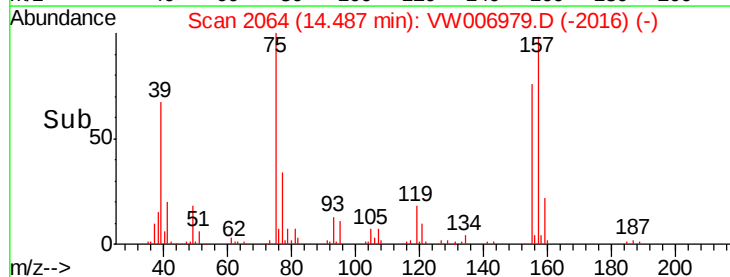
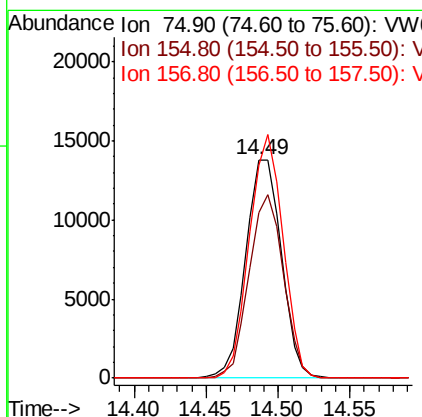
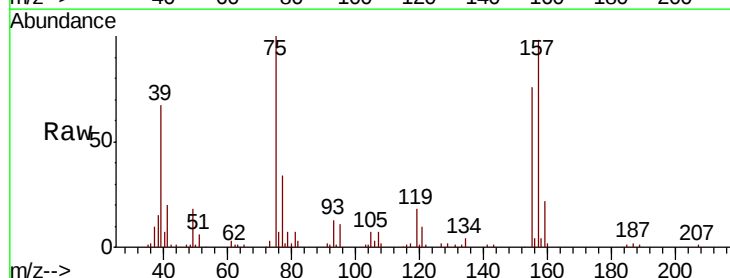
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

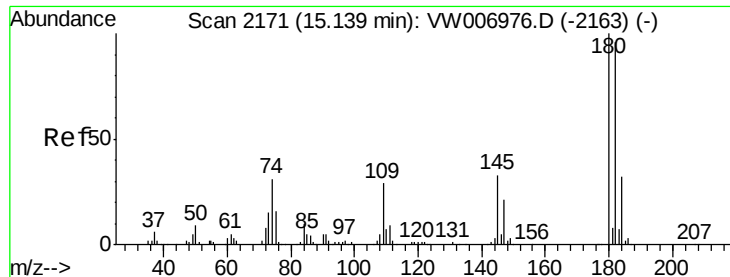
Tgt Ion: 146 Resp: 363138
 Ion Ratio Lower Upper
 146 100
 111 43.7 21.9 65.7
 148 63.6 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 161.562 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW006979.D
 Acq: 20 Nov 2018 16:21

Tgt Ion: 75 Resp: 23692
 Ion Ratio Lower Upper
 75 100
 155 80.7 42.6 127.8
 157 104.8 55.0 165.0

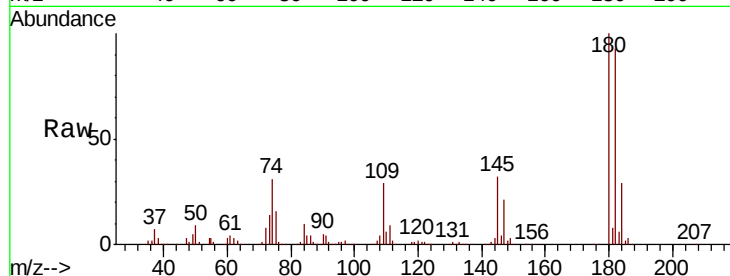




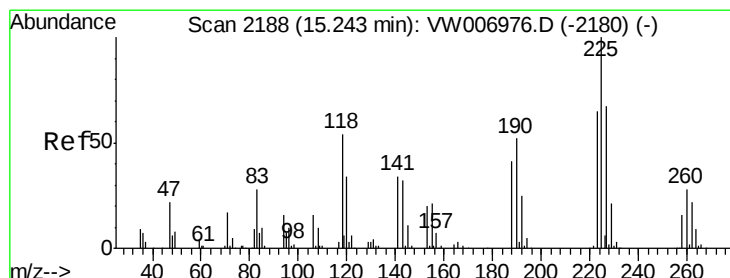
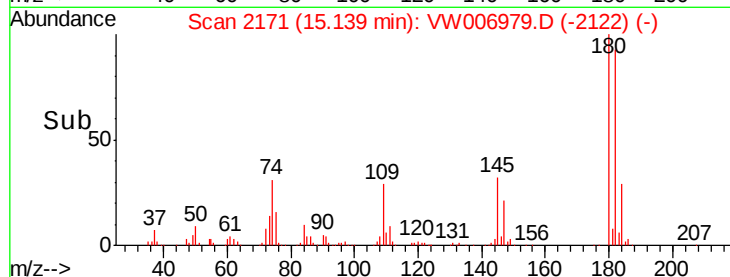
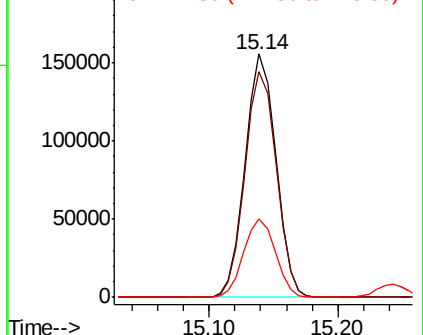
#93
 1,2,4-Trichlorobenzene
 Concen: 155.712 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW006979.D
 Acq: 20 Nov 2018 16:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion:180 Resp: 257384
 Ion Ratio Lower Upper
 180 100
 182 94.5 47.1 141.3
 145 33.2 16.5 49.5

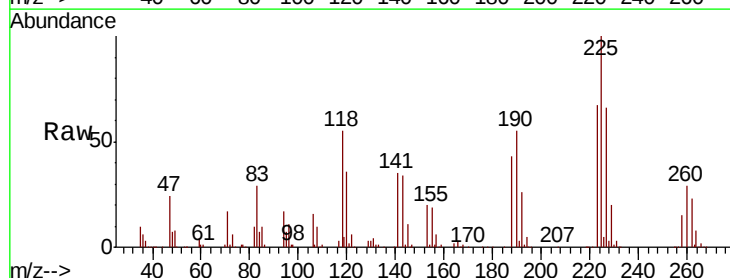


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

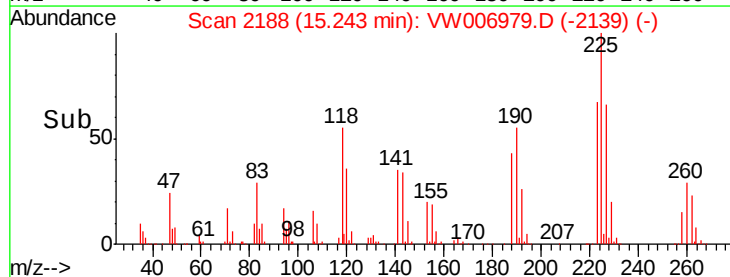
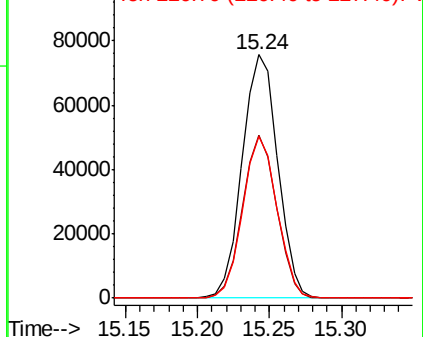


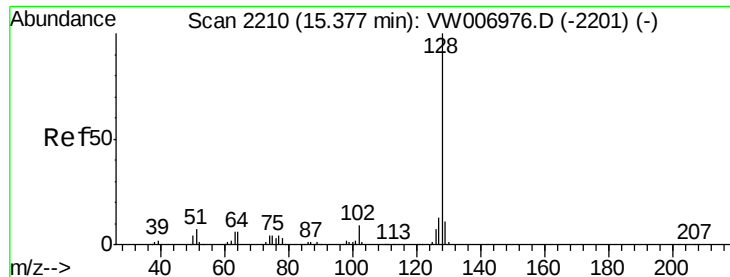
#94
 Hexachlorobutadiene
 Concen: 143.604 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW006979.D
 Acq: 20 Nov 2018 16:21

Tgt Ion:225 Resp: 129042
 Ion Ratio Lower Upper
 225 100
 223 64.2 32.4 97.0
 227 64.2 31.9 95.5



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

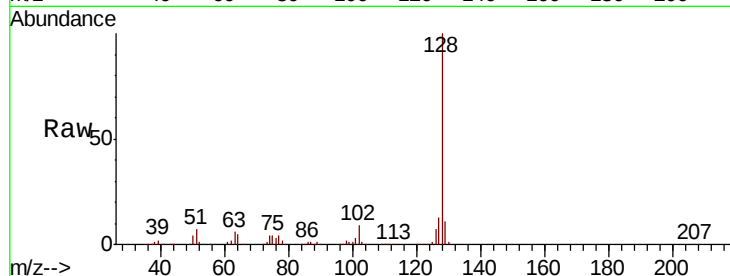




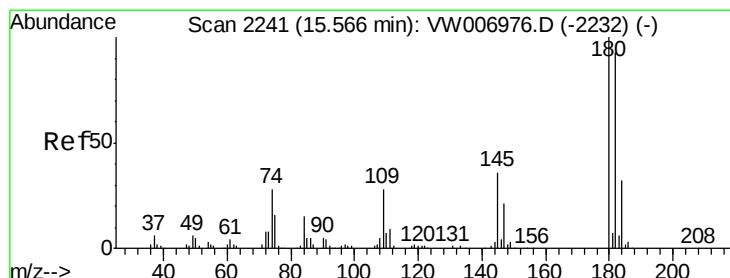
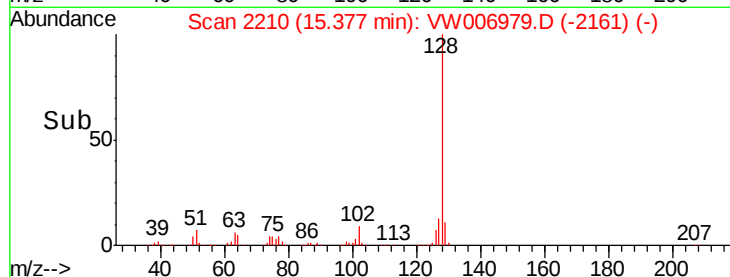
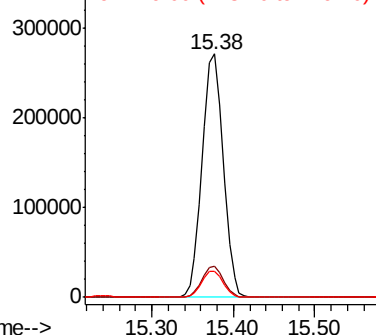
#95
Naphthalene
Concen: 160.874 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW006979.D
Acq: 20 Nov 2018 16:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 482699
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 10.8 8.7 13.1

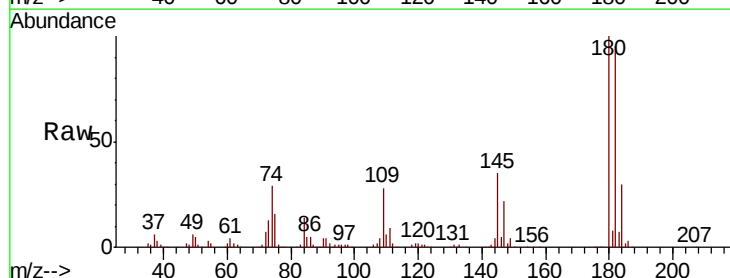


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 158.510 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW006979.D
Acq: 20 Nov 2018 16:21

Tgt Ion:180 Resp: 217371
Ion Ratio Lower Upper
180 100
182 94.1 47.0 141.2
145 35.7 18.0 54.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

