

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110918\
 Data File : VW006791.D
 Acq On : 09 Nov 2018 17:41
 Operator : SY/AP
 Sample : VW1109SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1109SBS01

Quant Time: Nov 12 04:37:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110918S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 00:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	325035	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	431826	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	425817	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	241153	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	120770	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
35) Dibromofluoromethane	7.89	113	123680	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	
50) Toluene-d8	10.33	98	510024	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
62) 4-Bromofluorobenzene	12.62	95	189502	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	57951	21.929	ug/l	99
3) Chloromethane	2.21	50	66086	20.830	ug/l	99
4) Vinyl Chloride	2.36	62	67857	20.345	ug/l	99
5) Bromomethane	2.78	94	45219	18.437	ug/l	98
6) Chloroethane	2.92	64	44216	20.257	ug/l	100
7) Trichlorofluoromethane	3.26	101	87263	20.823	ug/l	94
8) Diethyl Ether	3.69	74	26395	21.650	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.07	101	57076	20.497	ug/l	100
10) Methyl Iodide	4.28	142	82045	21.208	ug/l	99
11) Tert butyl alcohol	5.21	59	19024	121.337	ug/l #	84
12) 1,1-Dichloroethene	4.04	96	48336	20.817	ug/l	96
13) Acrolein	3.90	56	18426	112.842	ug/l	98
14) Allyl chloride	4.68	41	63230	20.201	ug/l	99
15) Acrylonitrile	5.38	53	51029	104.568	ug/l	99
16) Acetone	4.15	43	35062	101.682	ug/l	91
17) Carbon Disulfide	4.39	76	149251	19.486	ug/l	98
18) Methyl Acetate	4.68	43	24028	19.857	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	125208	22.016	ug/l	97
20) Methylene Chloride	4.93	84	65066	19.745	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	57619	20.746	ug/l	99
22) Diisopropyl ether	6.32	45	140556	21.308	ug/l	98
23) Vinyl Acetate	6.27	43	417596	111.000	ug/l	99
24) 1,1-Dichloroethane	6.22	63	88580	20.528	ug/l	99
25) 2-Butanone	7.18	43	62805	110.313	ug/l	98
26) 2,2-Dichloropropane	7.18	77	85264	20.739	ug/l	100
27) cis-1,2-Dichloroethene	7.18	96	60957	20.483	ug/l	99
28) Bromochloromethane	7.51	49	32085	19.852	ug/l	97
29) Tetrahydrofuran	7.54	42	39113	104.816	ug/l	100
30) Chloroform	7.68	83	96661	20.216	ug/l	98
31) Cyclohexane	7.96	56	93623	21.067	ug/l	98
32) 1,1,1-Trichloroethane	7.88	97	94244	20.769	ug/l	99
36) 1,1-Dichloropropene	8.09	75	83538	21.319	ug/l	99
37) Ethyl Acetate	7.26	43	30576	21.972	ug/l	98
38) Carbon Tetrachloride	8.07	117	88606	21.164	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	101445	20.334	ug/l	100
40) Benzene	8.33	78	226067	20.431	ug/l	99
41) Methacrylonitrile	7.49	41	17183	21.284	ug/l	93
42) 1,2-Dichloroethane	8.41	62	63475	21.075	ug/l	99
43) Isopropyl Acetate	8.43	43	56376	21.611	ug/l	99
44) Trichloroethene	9.10	130	71357	20.975	ug/l	98
45) 1,2-Dichloropropane	9.37	63	55815	21.478	ug/l	97
46) Dibromomethane	9.46	93	29249	20.047	ug/l	98
47) Bromodichloromethane	9.65	83	74672	21.092	ug/l	99
48) Methyl methacrylate	9.44	41	26201	21.326	ug/l	96
49) 1,4-Dioxane	9.48	88	8300	379.988	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	140791	105.047	ug/l	99
52) Toluene	10.39	92	158189	20.335	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	71145	20.724	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	86900	21.350	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	45587	21.210	ug/l	99
56) Ethyl methacrylate	10.65	69	49143	20.705	ug/l	99
57) 1,3-Dichloropropane	10.94	76	72807	21.190	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	131795	111.501	ug/l	100
59) 2-Hexanone	10.98	43	97349	107.176	ug/l	100
60) Dibromochloromethane	11.13	129	53730	20.797	ug/l	99
61) 1,2-Dibromoethane	11.24	107	43555	21.063	ug/l	99
64) Tetrachloroethene	10.87	164	64689	19.894	ug/l	100
65) Chlorobenzene	11.66	112	183439	20.239	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	59574	20.518	ug/l	99
67) Ethyl Benzene	11.74	91	307429	20.162	ug/l	98
68) m/p-Xylenes	11.85	106	249654	40.141	ug/l	99
69) o-Xylene	12.17	106	117043	20.441	ug/l	99
70) Styrene	12.19	104	188092	20.210	ug/l	100
71) Bromoform	12.35	173	32256	20.055	ug/l #	98
73) Isopropylbenzene	12.47	105	315435	20.330	ug/l	100
74) N-amyl acetate	12.28	43	52462	20.744	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	48350	20.916	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	62114	35.320	ug/l #	100
77) Bromobenzene	12.75	156	82344	20.525	ug/l	100
78) n-propylbenzene	12.81	91	375267	20.355	ug/l	100
79) 2-Chlorotoluene	12.90	91	211200	20.336	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	272900	20.300	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	13606	20.571	ug/l	94
82) 4-Chlorotoluene	12.99	91	228778	20.611	ug/l	99
83) tert-Butylbenzene	13.21	119	236280	20.340	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	282820	20.533	ug/l	100
85) sec-Butylbenzene	13.39	105	339686	20.432	ug/l	100
86) p-Isopropyltoluene	13.51	119	309433	20.405	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	165010	20.245	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	164005	20.203	ug/l	99
89) n-Butylbenzene	13.83	91	281040	20.079	ug/l	99
90) Hexachloroethane	14.10	117	48492	20.382	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	144965	20.331	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7658	20.517	ug/l	99

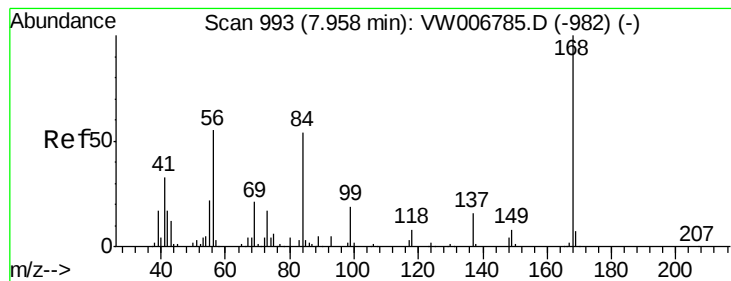
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	108905	20.632	ug/l	100
94) Hexachlorobutadiene	15.24	225	66418	19.994	ug/l	99
95) Naphthalene	15.38	128	166143	20.571	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	94569	20.711	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW006791.D

Acq: 09 Nov 2018 17:41

Instrument :

MSVOA_W

ClientSampleId :

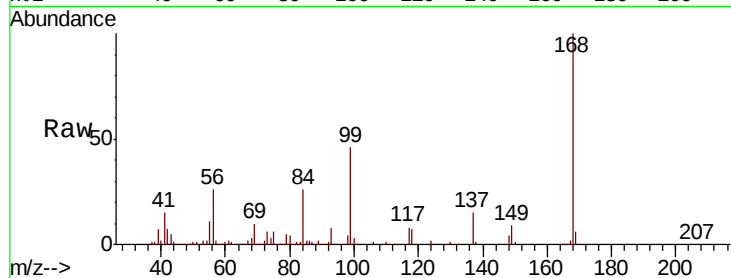
VW1109SBS01

Tot Ion:168 Resp: 325035

Ion Ratio Lower Upper

168 100

99 46.2 36.8 55.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.96

150000

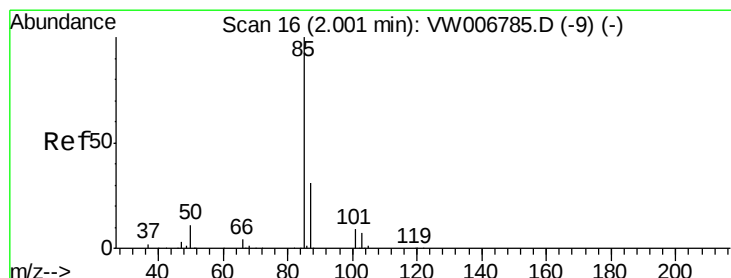
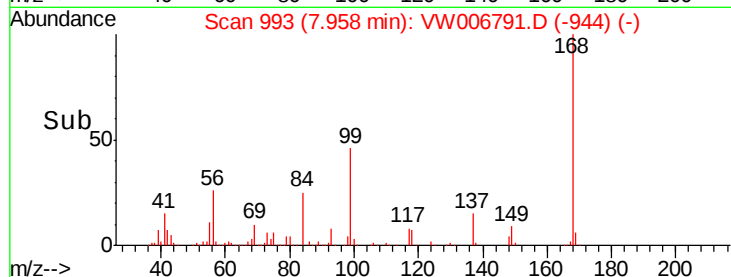
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.929 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW006791.D

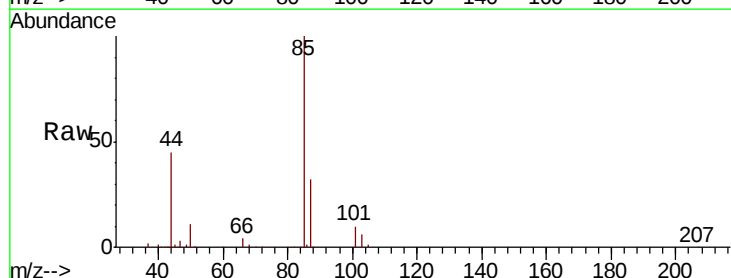
Acq: 09 Nov 2018 17:41

Tgt Ion: 85 Resp: 57951

Ion Ratio Lower Upper

85 100

87 32.1 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

40000

30000

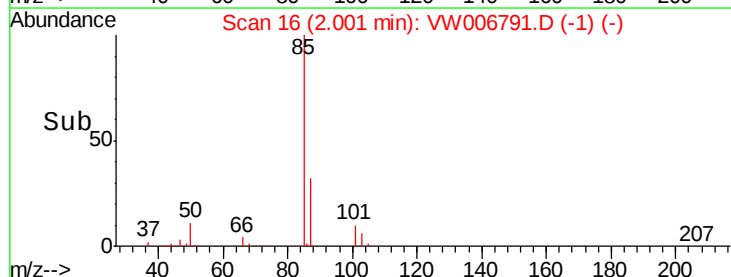
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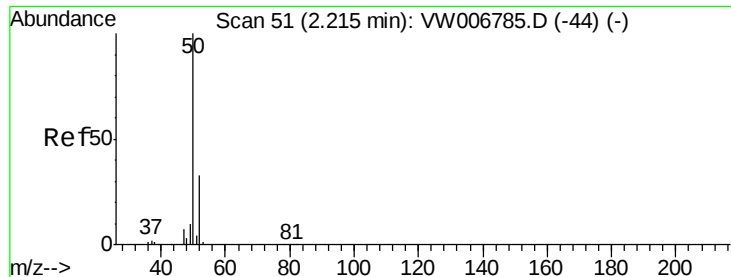
10000

0

1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 20.830 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW006791.D

Acq: 09 Nov 2018 17:41

Instrument :

MSVOA_W

ClientSampleId :

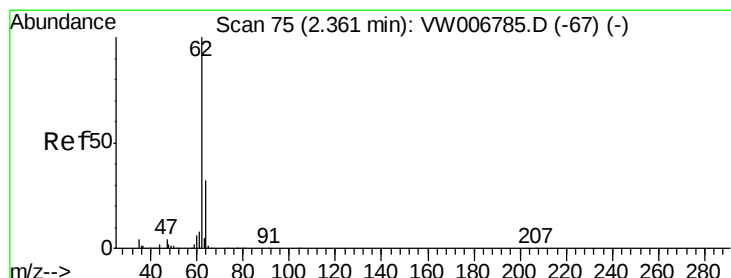
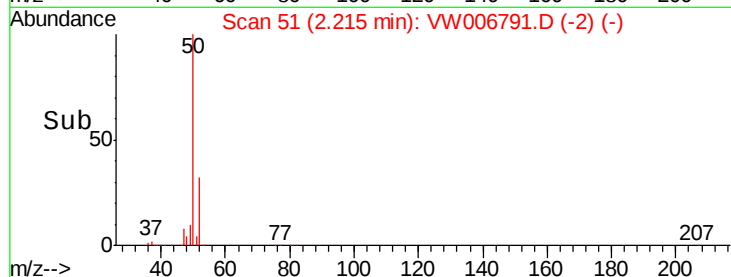
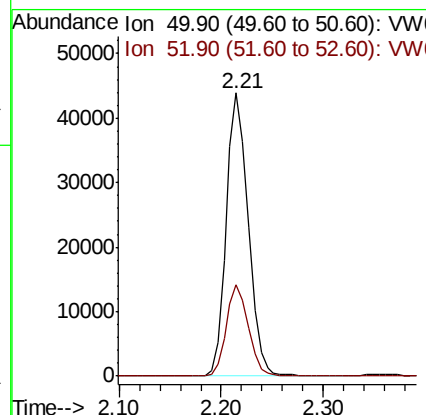
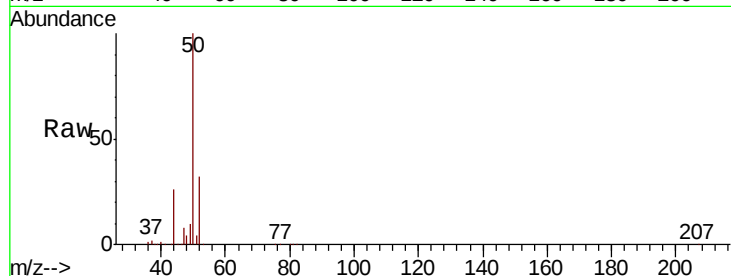
VW1109SBS01

Tot Ion: 50 Resp: 66086

Ion Ratio Lower Upper

50 100

52 32.4 26.2 39.4



#4

Vinyl Chloride

Concen: 20.345 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW006791.D

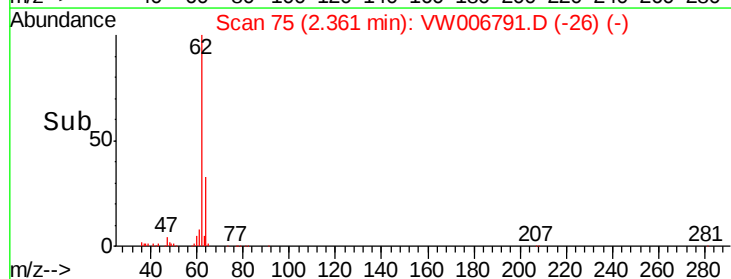
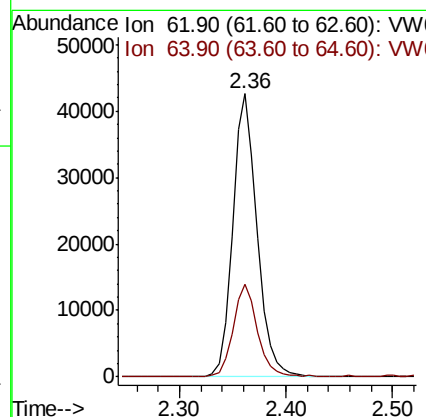
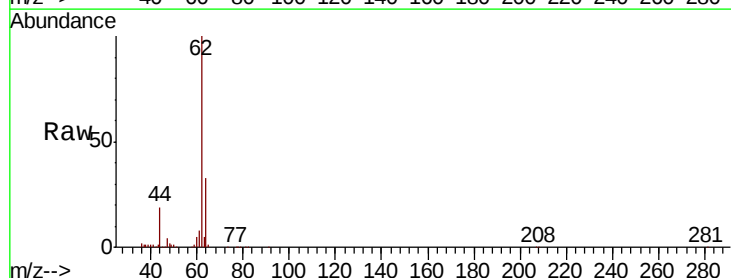
Acq: 09 Nov 2018 17:41

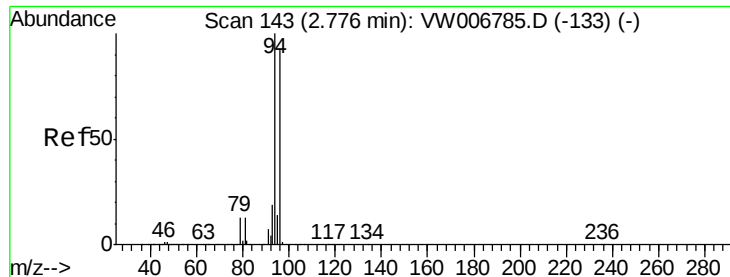
Tgt Ion: 62 Resp: 67857

Ion Ratio Lower Upper

62 100

64 32.7 25.8 38.6





#5

Bromomethane

Concen: 18.437 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW006791.D

Acq: 09 Nov 2018 17:41

Instrument :

MSVOA_W

ClientSampleId :

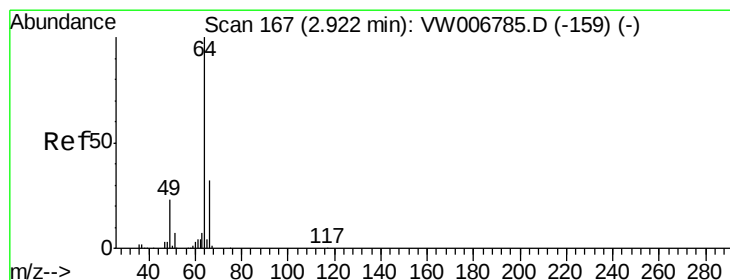
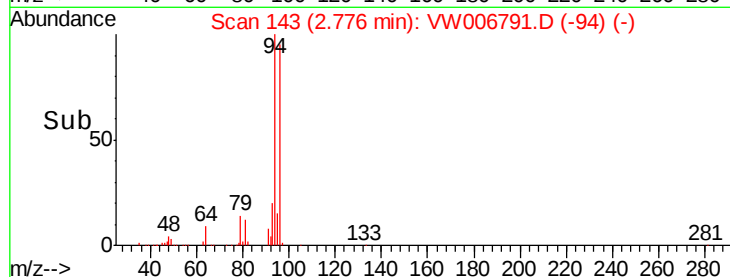
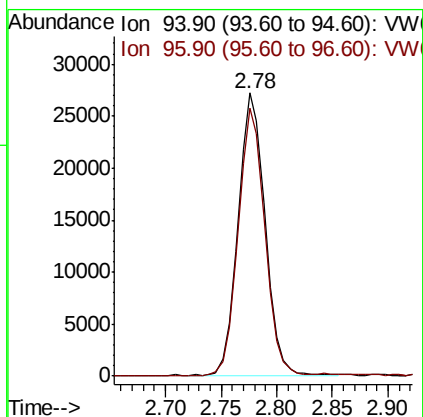
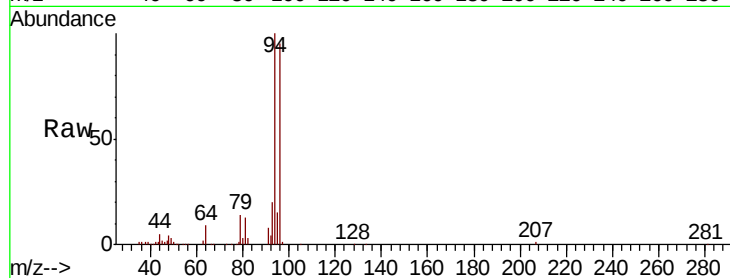
VW1109SBS01

Tot Ion: 94 Resp: 45219

Ion Ratio Lower Upper

94 100

96 94.6 74.5 111.7



#6

Chloroethane

Concen: 20.257 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW006791.D

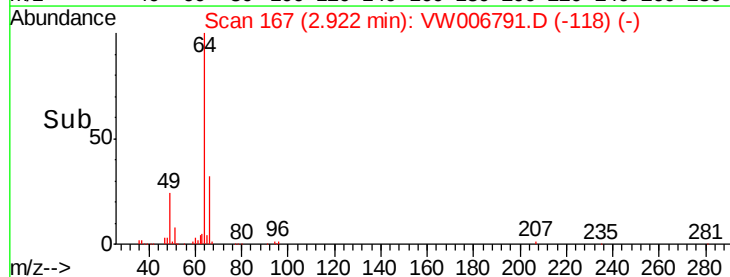
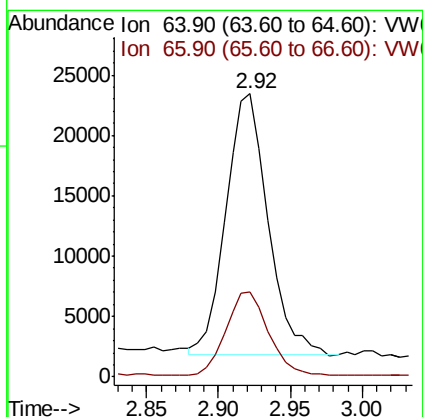
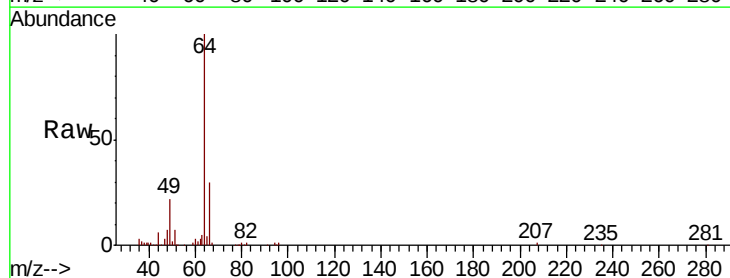
Acq: 09 Nov 2018 17:41

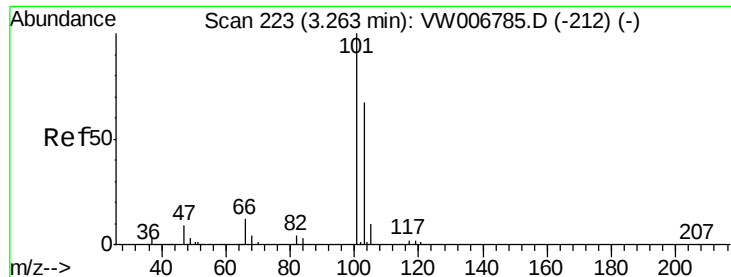
Tgt Ion: 64 Resp: 44216

Ion Ratio Lower Upper

64 100

66 31.6 25.4 38.2



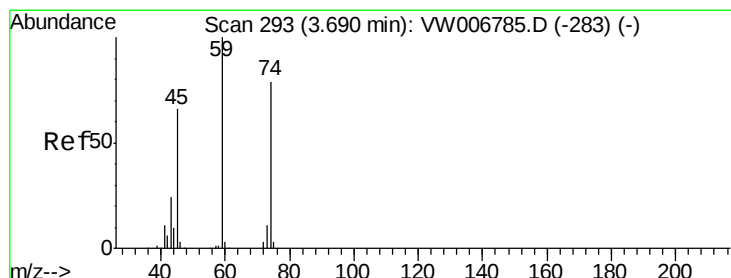
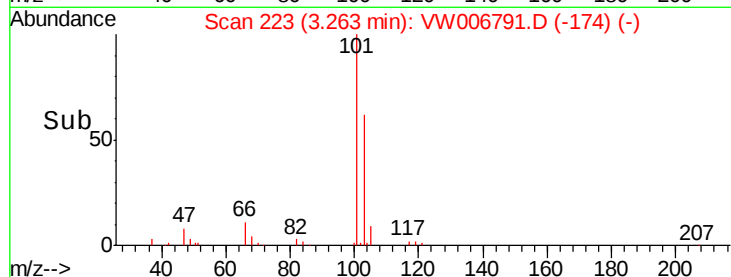
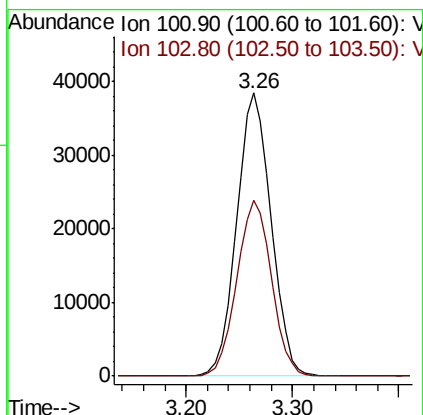
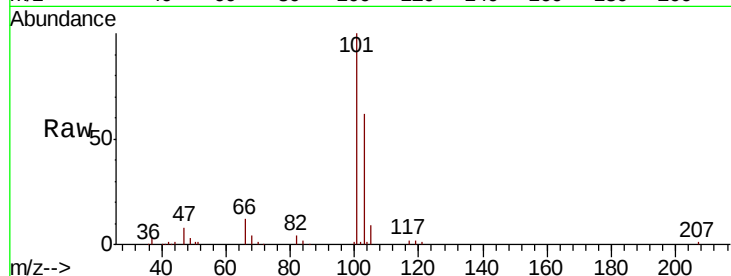


#7

Trichlorofluoromethane
 Concen: 20.823 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW006791.D
 Acq: 09 Nov 2018 17:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1109SBS01

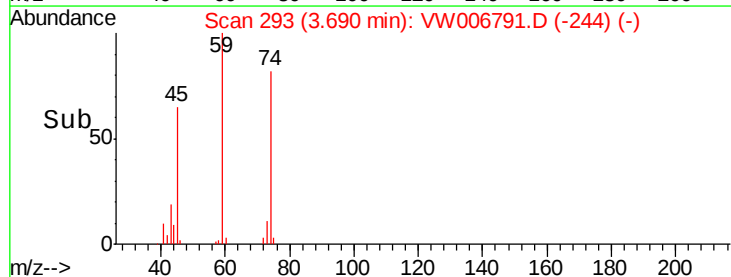
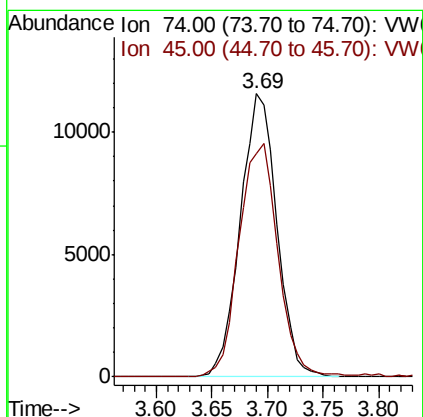
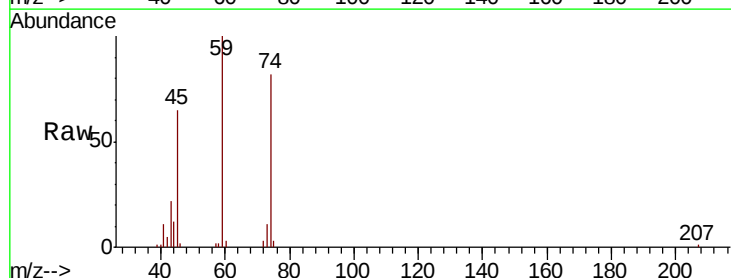
Tot Ion:101 Resp: 87263
 Ion Ratio Lower Upper
 101 100
 103 62.2 53.4 80.0

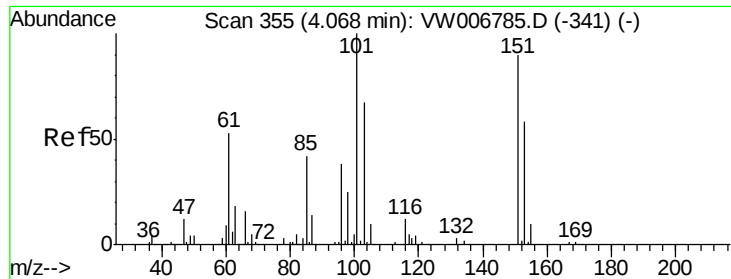


#8

Diethyl Ether
 Concen: 21.650 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VW006791.D
 Acq: 09 Nov 2018 17:41

Tgt Ion: 74 Resp: 26395
 Ion Ratio Lower Upper
 74 100
 45 88.2 44.0 132.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.497 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW006791.D

Acq: 09 Nov 2018 17:41

Instrument :

MSVOA_W

ClientSampleId :

VW1109SBS01

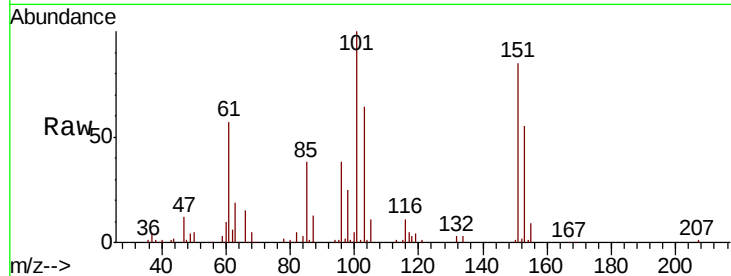
Tot Ion:101 Resp: 57076

Ion Ratio Lower Upper

101 100

85 42.2 34.0 51.0

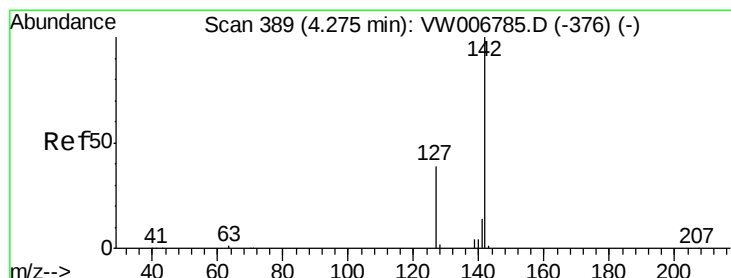
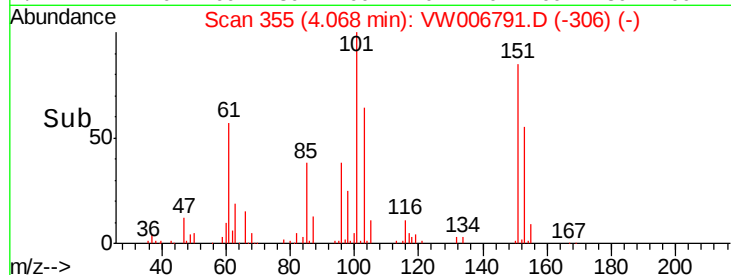
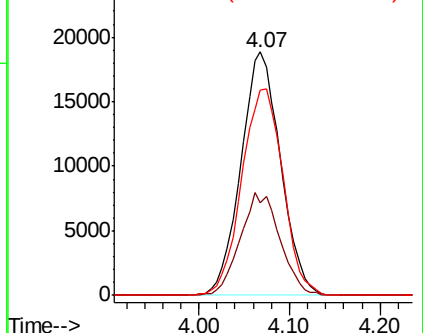
151 88.1 70.7 106.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.208 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.00 min

Lab File: VW006791.D

Acq: 09 Nov 2018 17:41

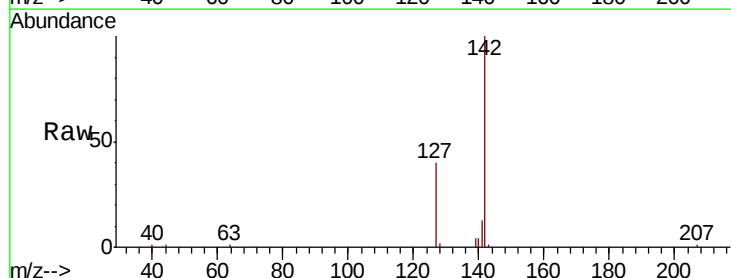
Tgt Ion:142 Resp: 82045

Ion Ratio Lower Upper

142 100

127 39.8 32.3 48.5

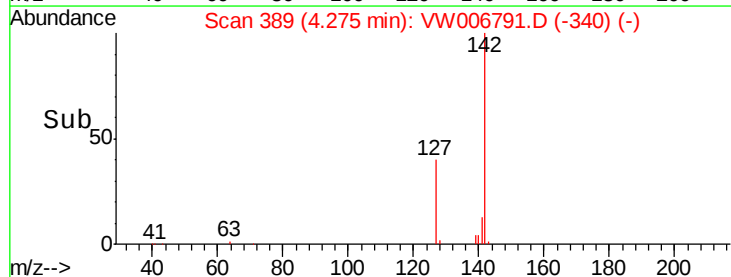
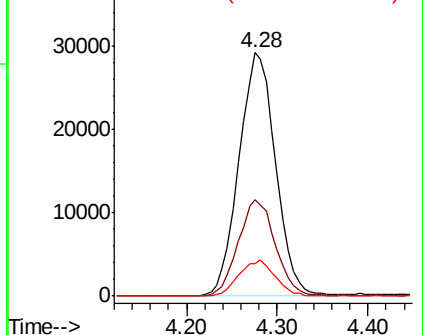
141 14.5 11.4 17.0

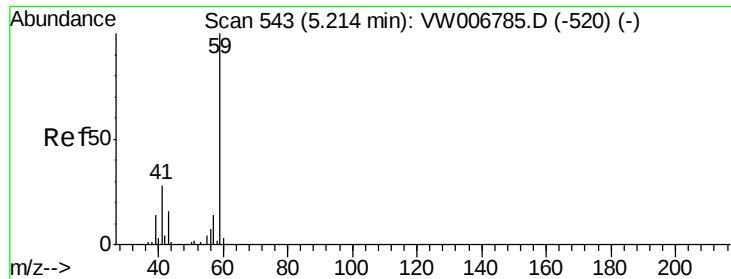


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



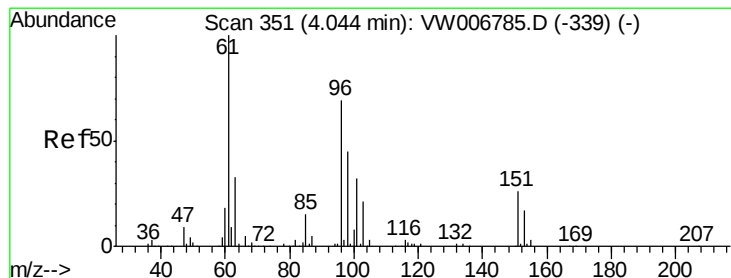
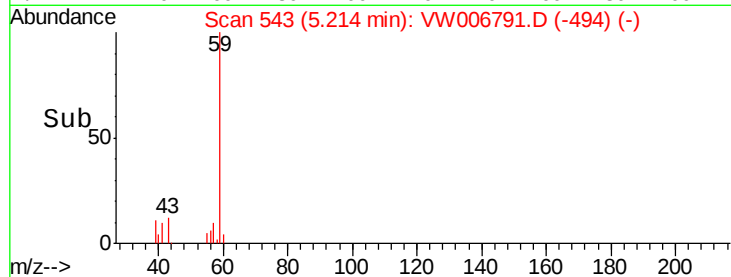
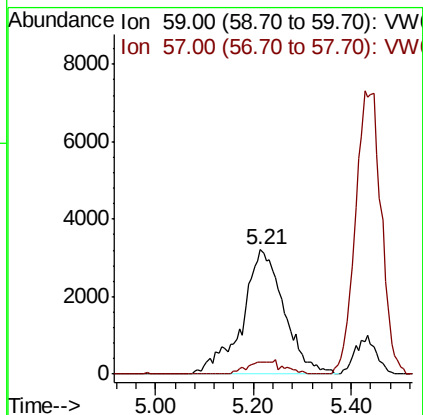
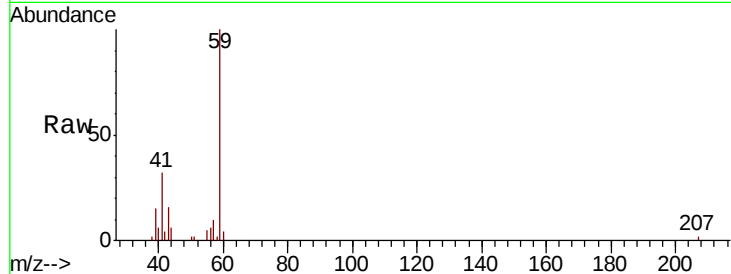


#11

Tert butyl alcohol
Concen: 121.337 ug/l
RT: 5.21 min Scan# 543
Delta R.T. 0.00 min
Lab File: VW006791.D
Acq: 09 Nov 2018 17:41

Instrument :
MSVOA_W
ClientSampleId :
VW1109SBS01

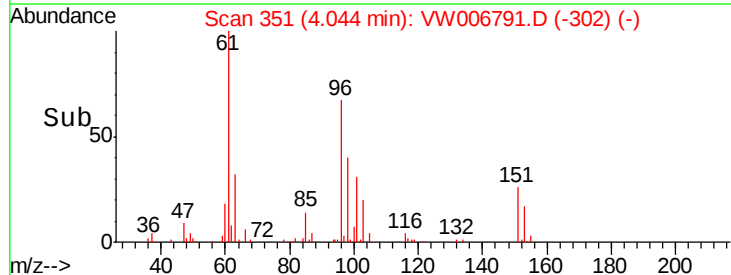
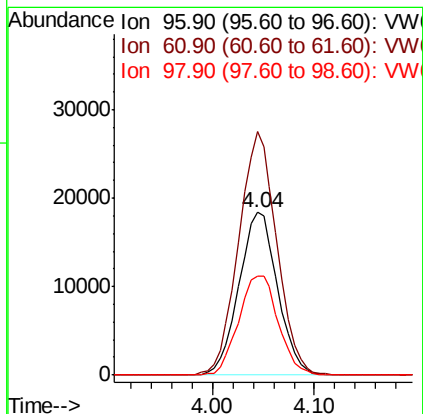
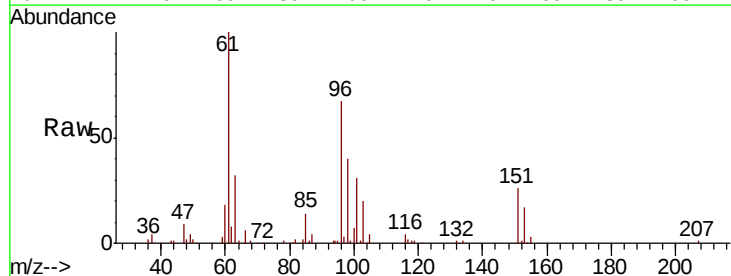
Tot Ion: 59 Resp: 19024
Ion Ratio Lower Upper
59 100
57 4.9 8.7 13.1#

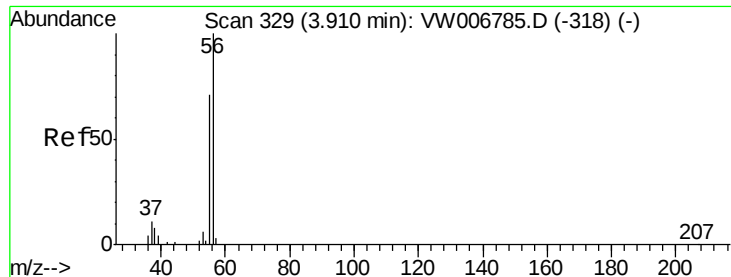


#12

1,1-Dichloroethene
Concen: 20.817 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.00 min
Lab File: VW006791.D
Acq: 09 Nov 2018 17:41

Tgt Ion: 96 Resp: 48336
Ion Ratio Lower Upper
96 100
61 149.8 116.0 174.0
98 60.5 52.0 78.0





#13

Acrolein

Concen: 112.842 ug/l

RT: 3.90 min Scan# 328

Delta R.T. -0.01 min

Lab File: VW006791.D

Acq: 09 Nov 2018 17:41

Instrument :

MSVOA_W

ClientSampleId :

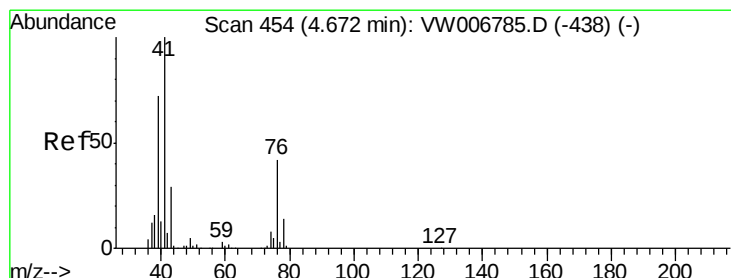
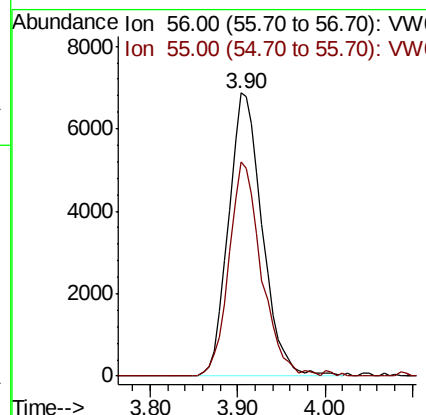
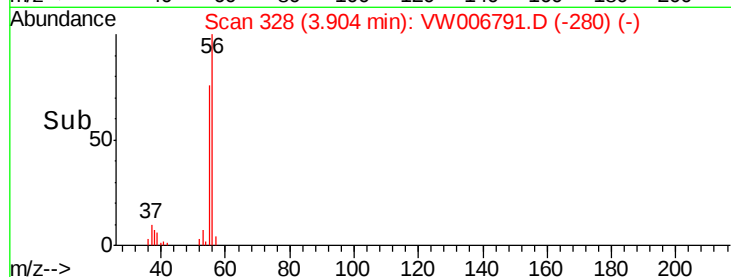
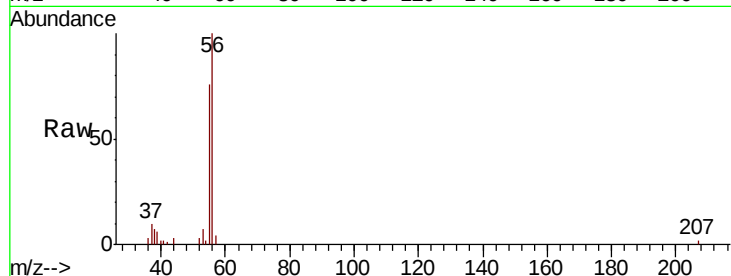
VW1109SBS01

Tot Ion: 56 Resp: 18426

Ion Ratio Lower Upper

56 100

55 72.7 56.9 85.3



#14

Allyl chloride

Concen: 20.201 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW006791.D

Acq: 09 Nov 2018 17:41

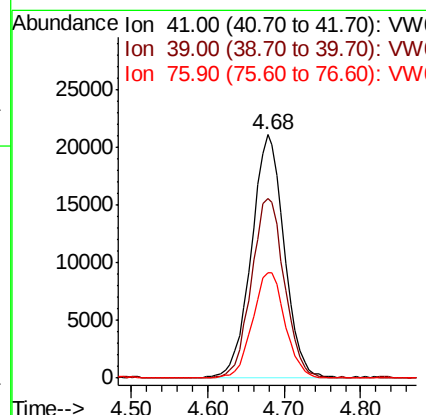
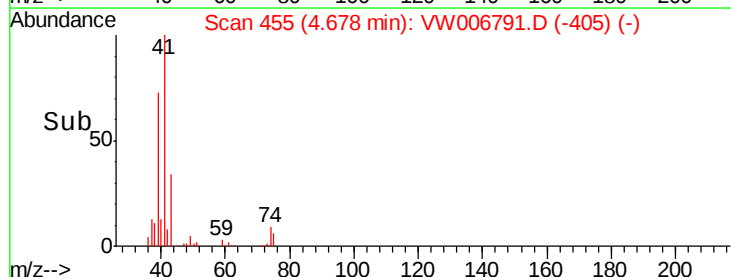
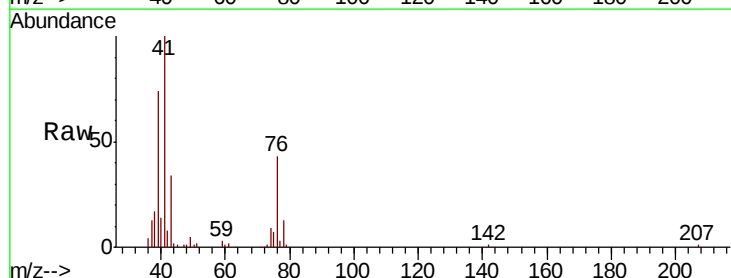
Tgt Ion: 41 Resp: 63230

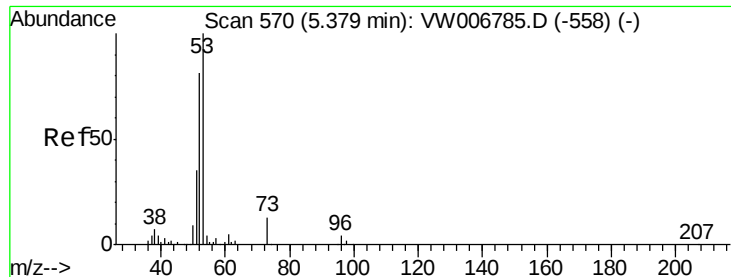
Ion Ratio Lower Upper

41 100

39 74.2 60.0 90.0

76 42.8 34.2 51.4





#15

Acrylonitrile

Concen: 104.568 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW006791.D

Acq: 09 Nov 2018 17:41

Instrument :

MSVOA_W

ClientSampleId :

VW1109SBS01

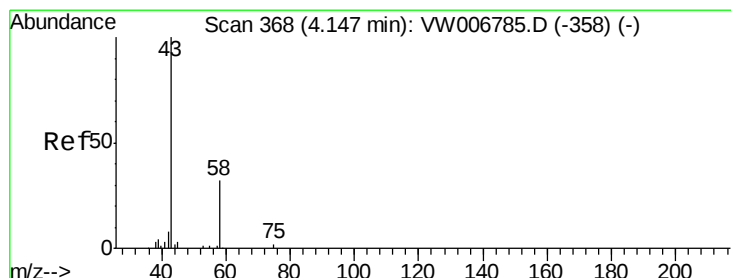
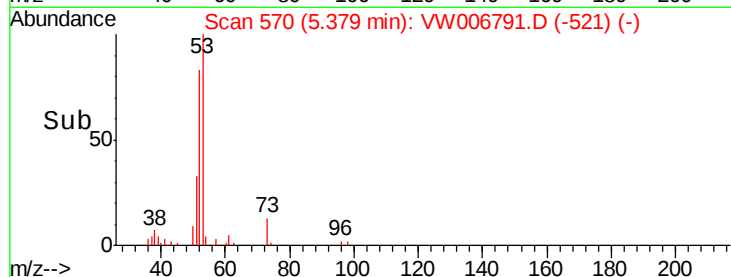
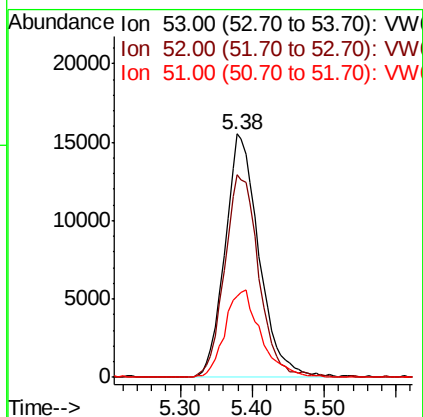
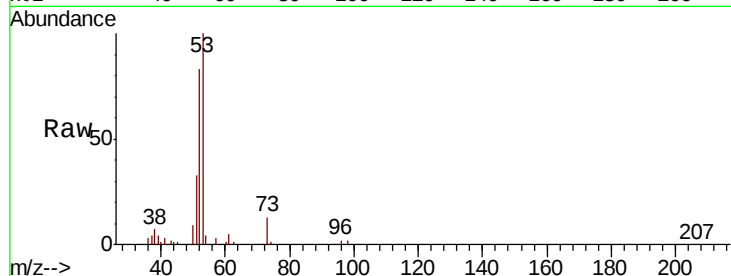
Tot Ion: 53 Resp: 51029

Ion Ratio Lower Upper

53 100

52 82.7 65.2 97.8

51 37.8 30.2 45.4



#16

Acetone

Concen: 101.682 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.00 min

Lab File: VW006791.D

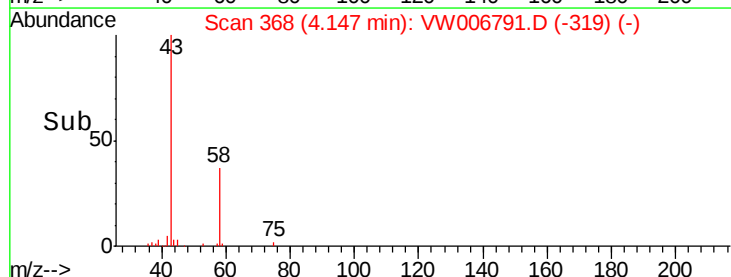
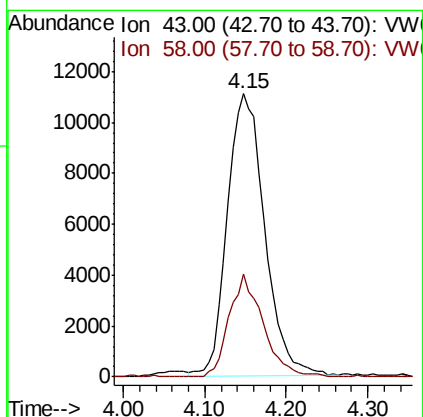
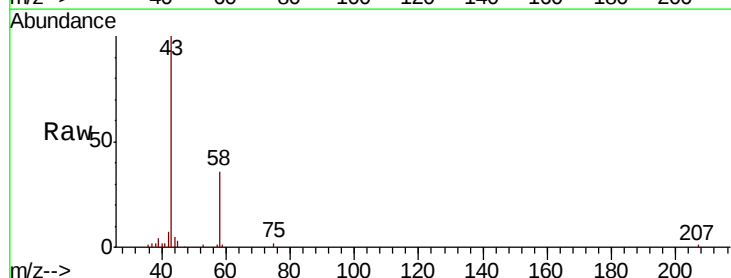
Acq: 09 Nov 2018 17:41

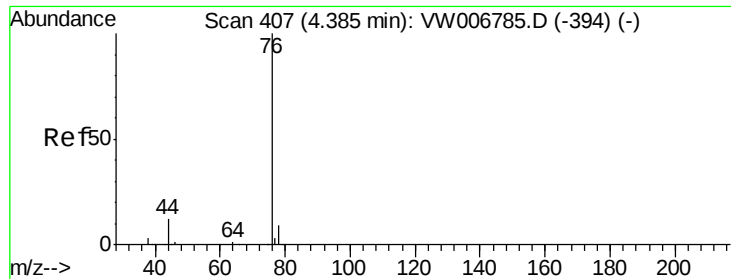
Tgt Ion: 43 Resp: 35062

Ion Ratio Lower Upper

43 100

58 36.5 25.4 38.0





#17

Carbon Disulfide

Concen: 19.486 ug/l

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW006791.D

Acq: 09 Nov 2018 17:41

Instrument :

MSVOA_W

ClientSampleId :

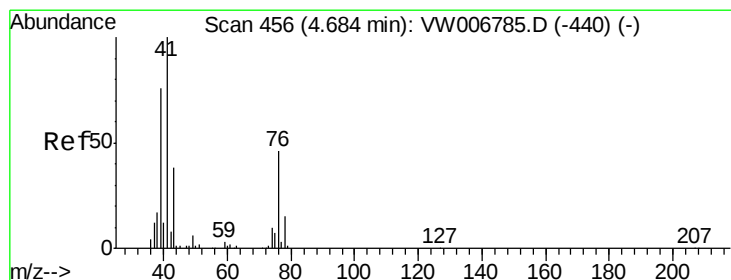
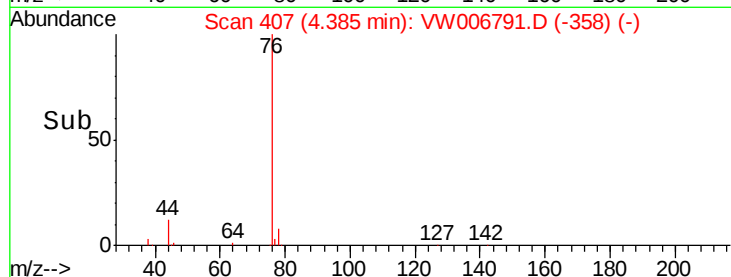
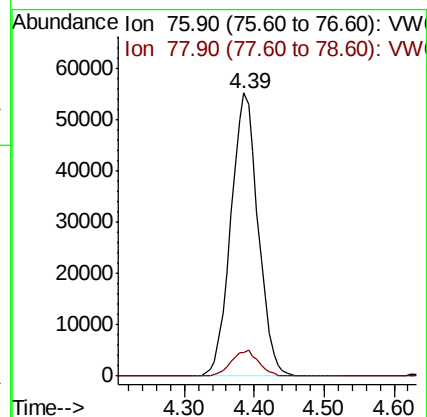
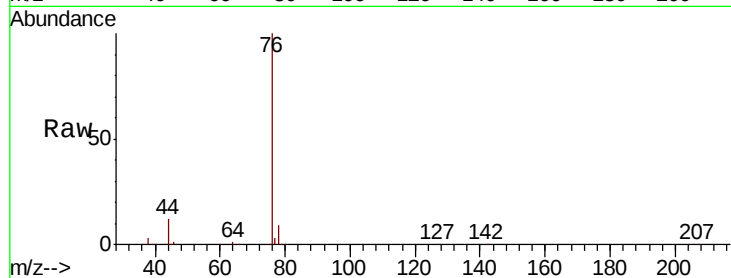
VW1109SBS01

Tot Ion: 76 Resp: 149251

Ion Ratio Lower Upper

76 100

78 8.5 7.4 11.0



#18

Methyl Acetate

Concen: 19.857 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.00 min

Lab File: VW006791.D

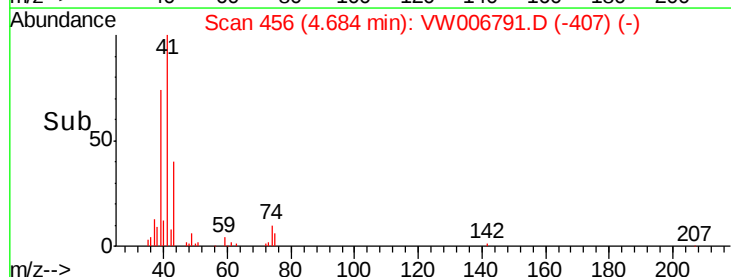
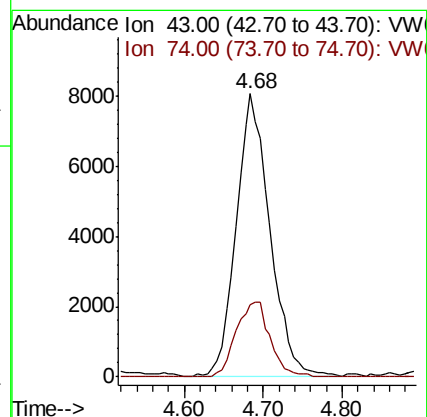
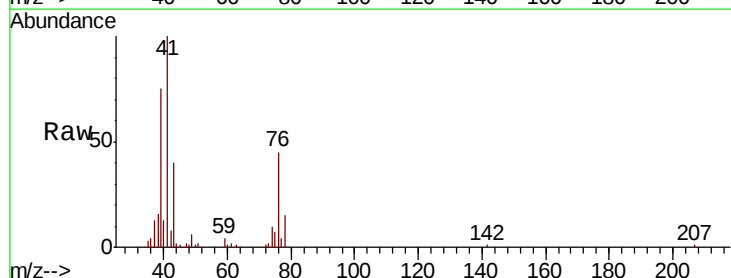
Acq: 09 Nov 2018 17:41

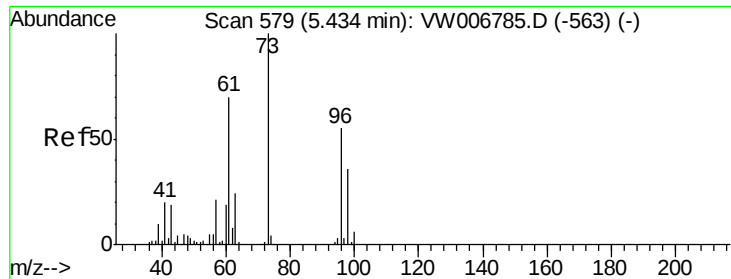
Tgt Ion: 43 Resp: 24028

Ion Ratio Lower Upper

43 100

74 26.5 21.8 32.8

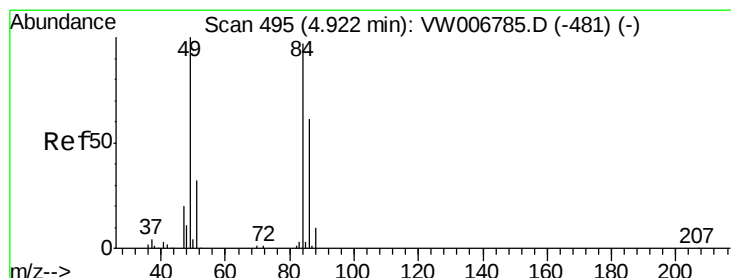
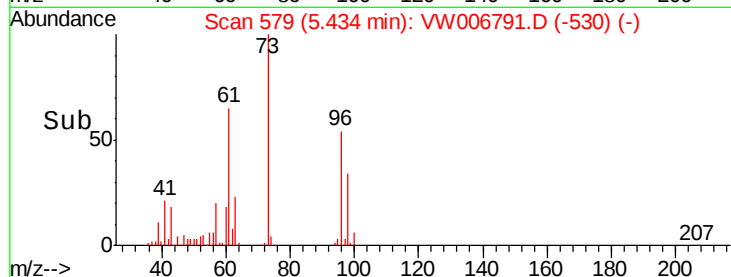
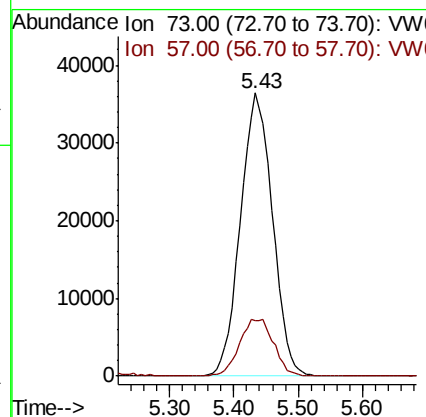
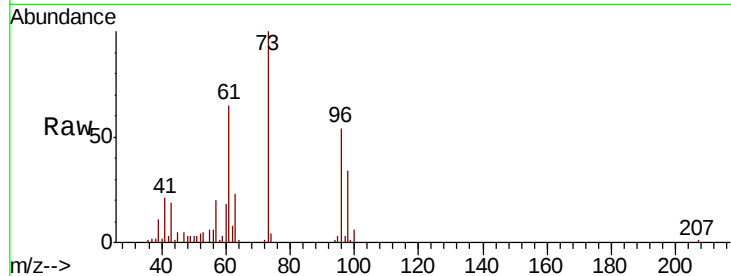




#19
Methvl tert-butvl Ether
Concen: 22.016 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW006791.D
Acq: 09 Nov 2018 17:41

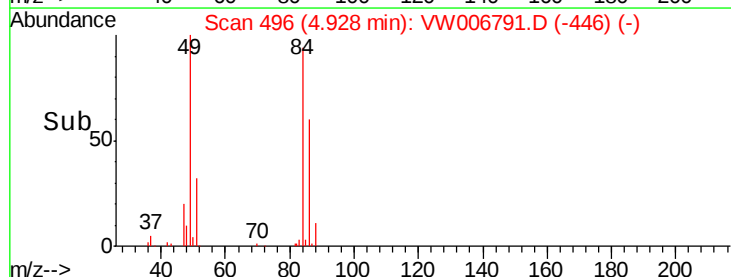
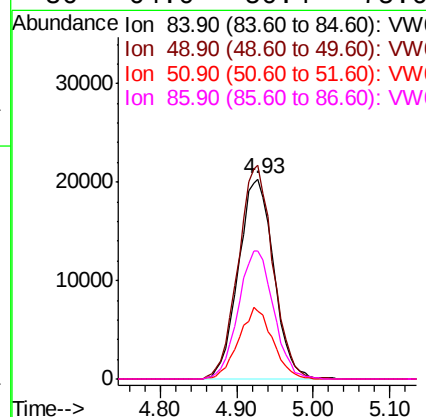
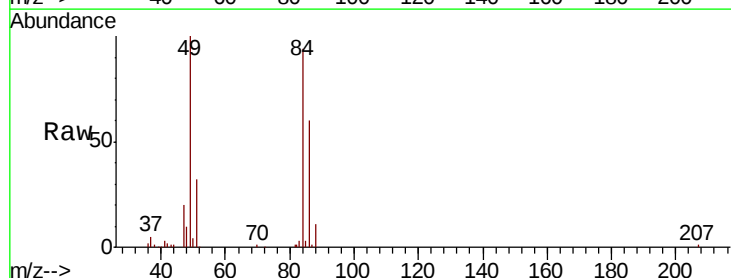
Instrument :
MSVOA_W
ClientSampleId :
VW1109SBS01

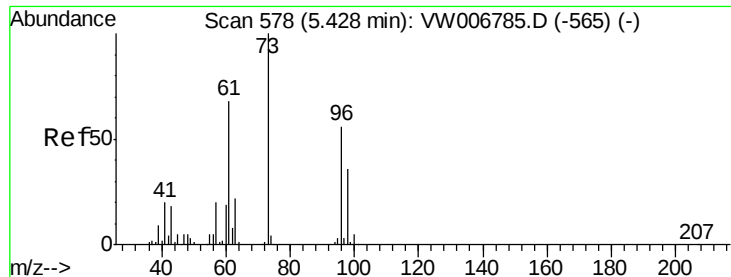
Tot Ion: 73 Resp: 125208
Ion Ratio Lower Upper
73 100
57 19.7 17.0 25.6



#20
Methylene Chloride
Concen: 19.745 ug/l
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW006791.D
Acq: 09 Nov 2018 17:41

Tgt Ion: 84 Resp: 65066
Ion Ratio Lower Upper
84 100
49 106.9 82.4 123.6
51 34.0 26.7 40.1
86 64.0 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 20.746 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW006791.D

Acq: 09 Nov 2018 17:41

Instrument :

MSVOA_W

ClientSampleId :

VW1109SBS01

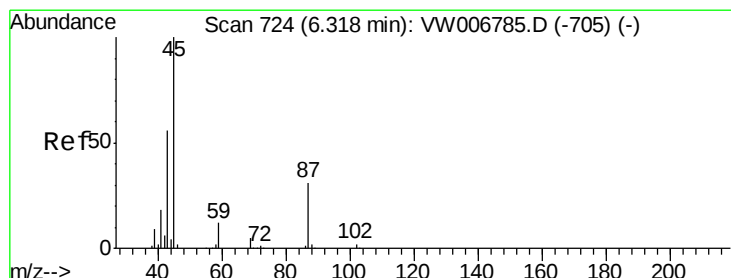
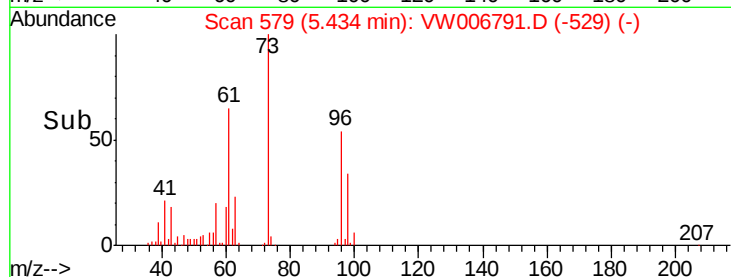
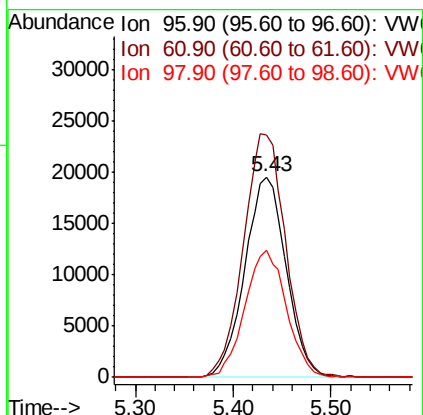
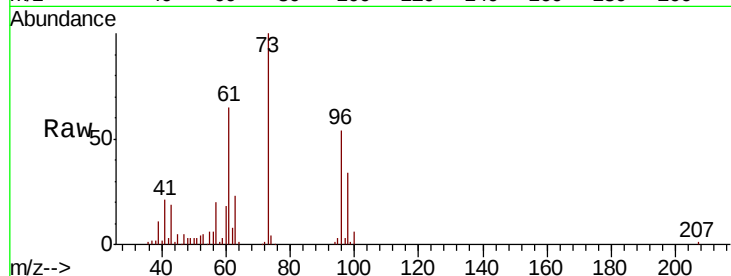
Tot Ion: 96 Resp: 57619

Ion Ratio Lower Upper

96 100

61 120.9 97.6 146.4

98 63.4 51.6 77.4



#22

Diisopropyl ether

Concen: 21.308 ug/l

RT: 6.32 min Scan# 725

Delta R.T. 0.01 min

Lab File: VW006791.D

Acq: 09 Nov 2018 17:41

Tgt Ion: 45 Resp: 140556

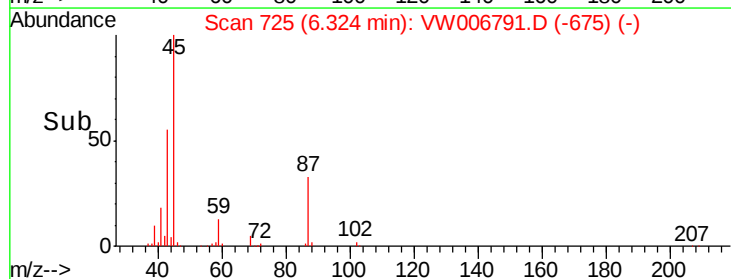
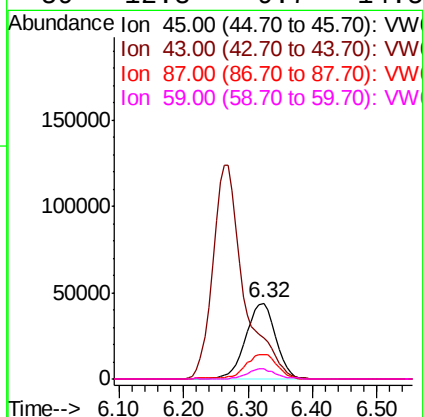
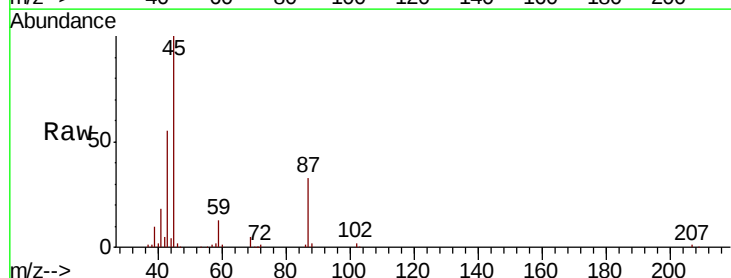
Ion Ratio Lower Upper

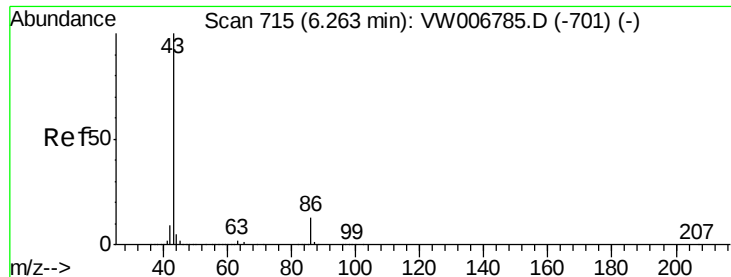
45 100

43 54.2 44.6 66.8

87 32.7 25.5 38.3

59 12.8 9.7 14.5





#23

Vinyl Acetate

Concen: 111.000 ug/l

RT: 6.27 min Scan# 716

Delta R.T. 0.01 min

Lab File: VW006791.D

Acq: 09 Nov 2018 17:41

Instrument :

MSVOA_W

ClientSampled :

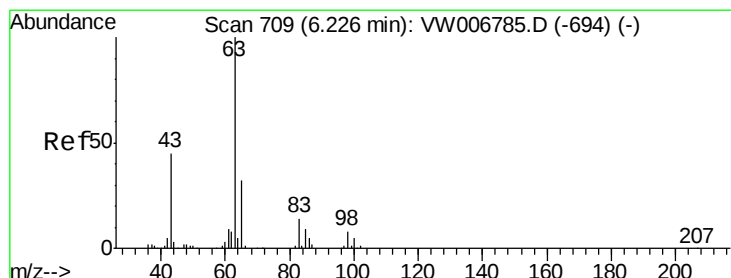
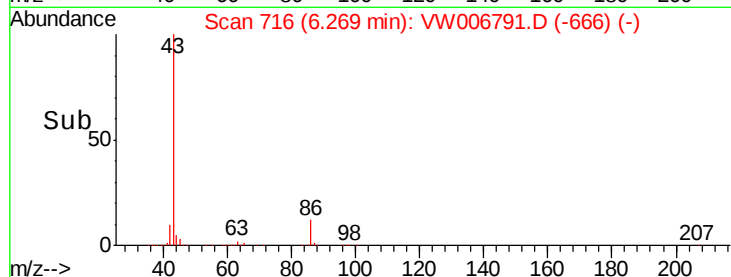
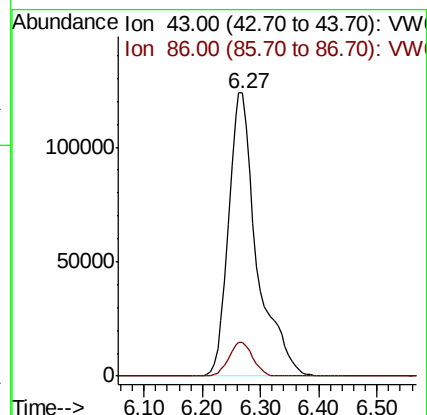
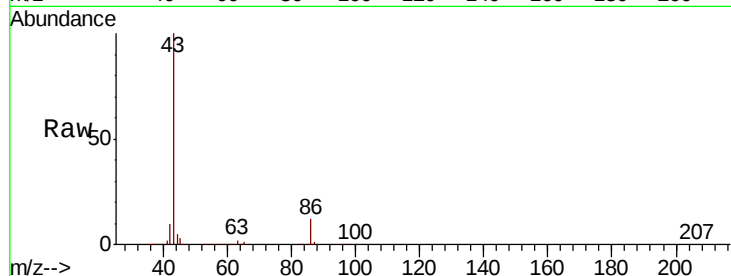
VW1109SBS01

Tot Ion: 43 Resp: 417596

Ion Ratio Lower Upper

43 100

86 12.1 10.0 15.0



#24

1,1-Dichloroethane

Concen: 20.528 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.01 min

Lab File: VW006791.D

Acq: 09 Nov 2018 17:41

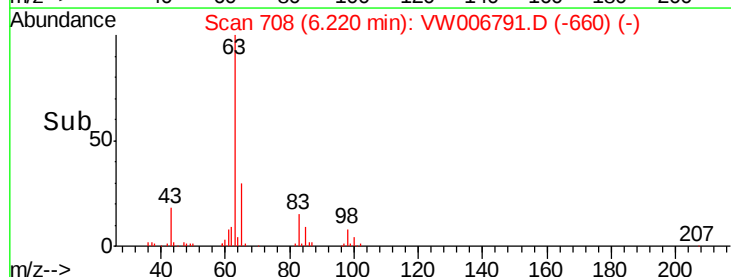
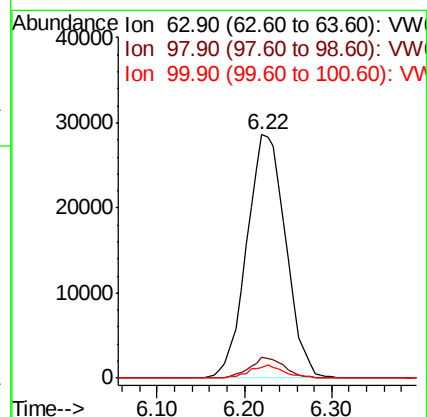
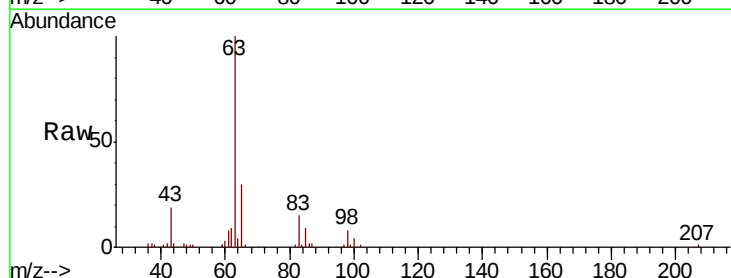
Tgt Ion: 63 Resp: 88580

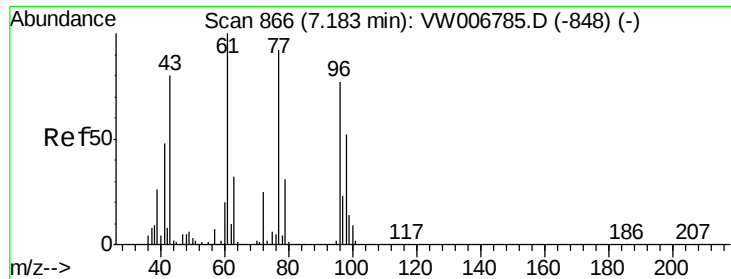
Ion Ratio Lower Upper

63 100

98 8.5 4.0 12.2

100 4.3 2.3 6.9





#25

2-Butanone

Concen: 110.313 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006791.D

Acq: 09 Nov 2018 17:41

Instrument :

MSVOA_W

ClientSampleId :

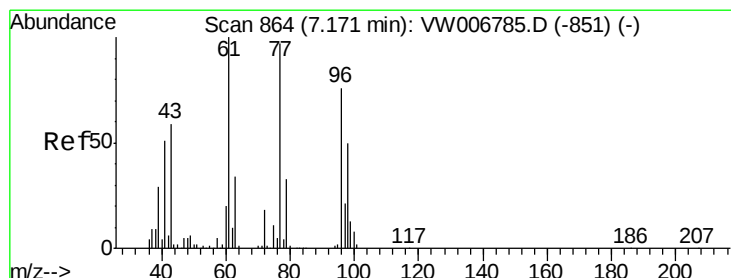
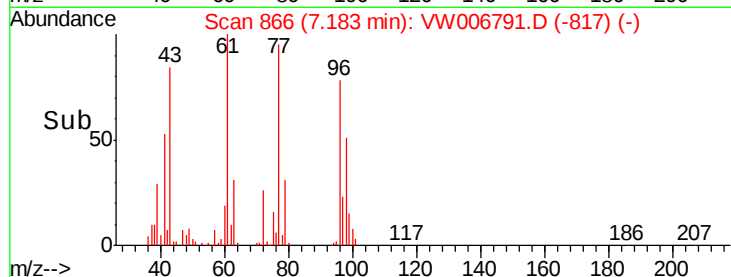
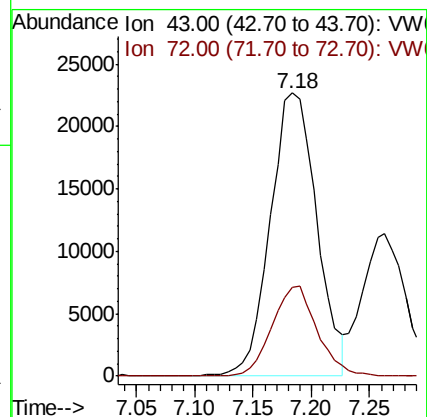
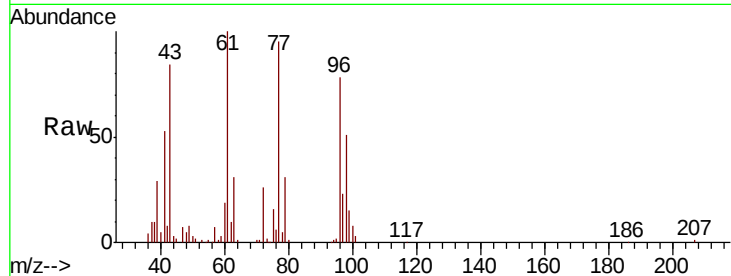
VW1109SBS01

Tot Ion: 43 Resp: 62805

Ion Ratio Lower Upper

43 100

72 31.5 24.5 36.7



#26

2,2-Dichloropropane

Concen: 20.739 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW006791.D

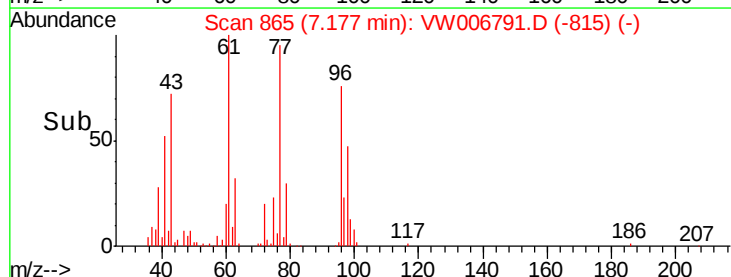
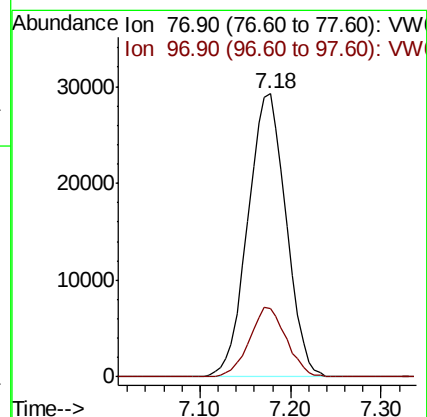
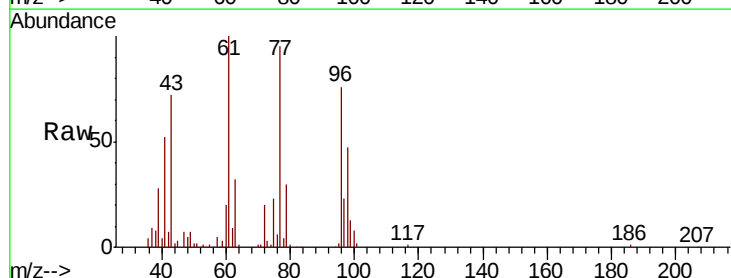
Acq: 09 Nov 2018 17:41

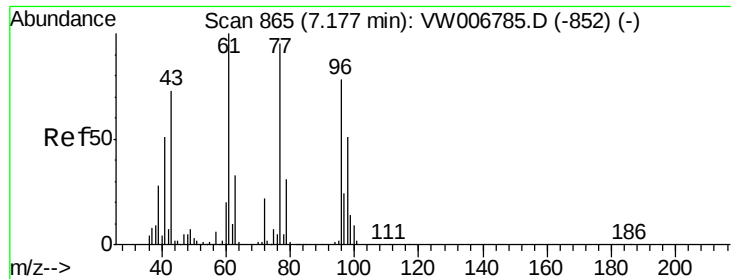
Tgt Ion: 77 Resp: 85264

Ion Ratio Lower Upper

77 100

97 23.7 11.9 35.5



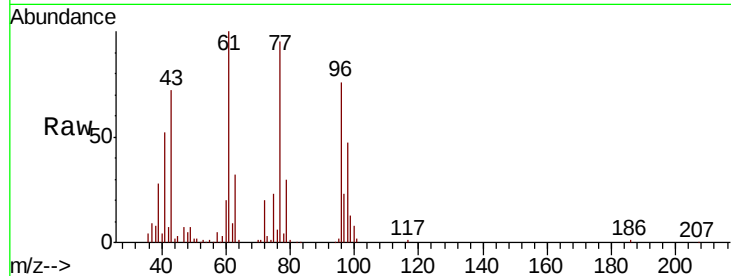


#27

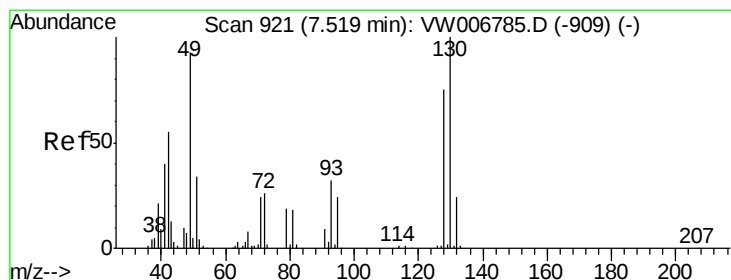
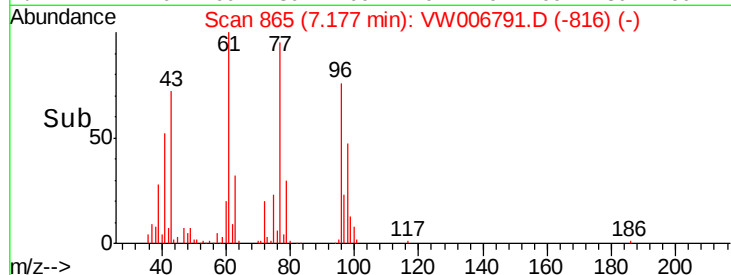
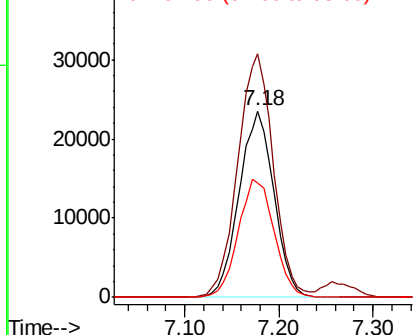
cis-1,2-Dichloroethene
Concen: 20.483 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.00 min
Lab File: VW006791.D
Acq: 09 Nov 2018 17:41

Instrument :
MSVOA_W
ClientSampleId :
VW1109SBS01

Tot Ion: 96 Resp: 60957
Ion Ratio Lower Upper
96 100
61 133.8 0.0 264.4
98 65.1 0.0 130.0



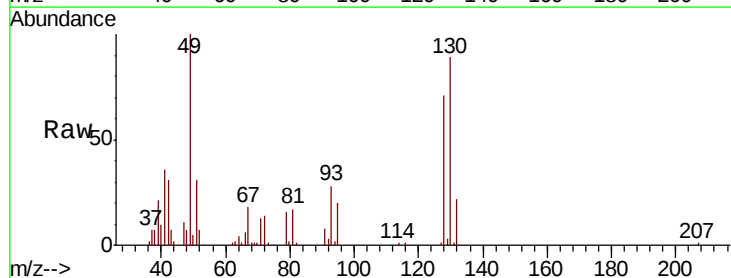
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



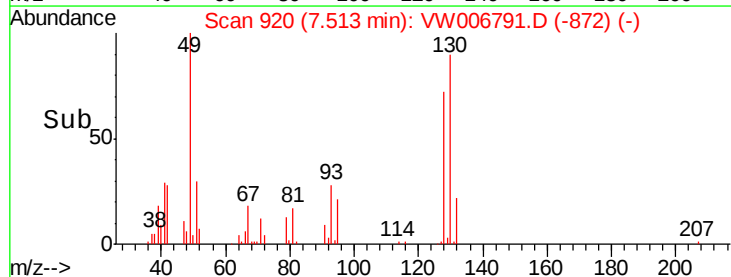
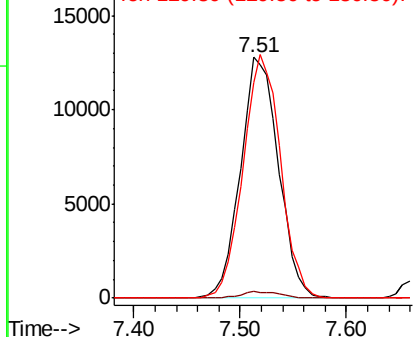
#28

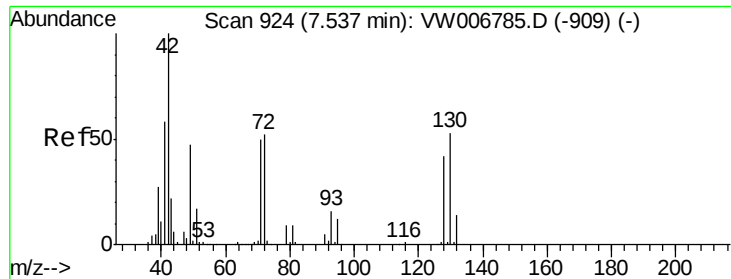
Bromochloromethane
Concen: 19.852 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW006791.D
Acq: 09 Nov 2018 17:41

Tgt Ion: 49 Resp: 32085
Ion Ratio Lower Upper
49 100
129 2.5 0.0 5.6
130 99.2 81.5 122.3



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

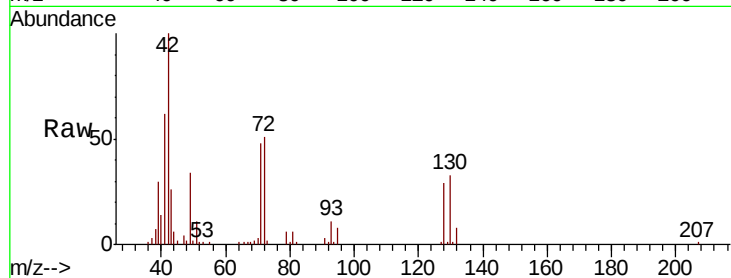




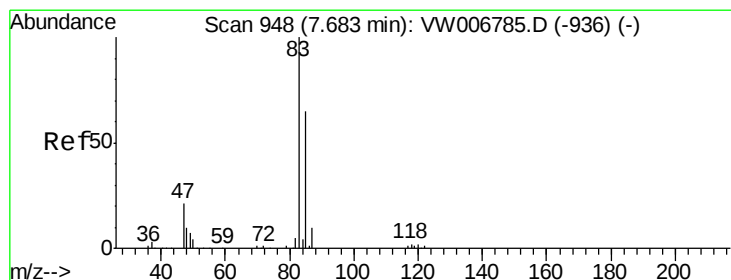
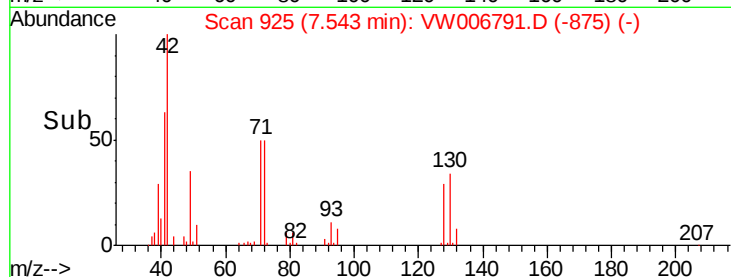
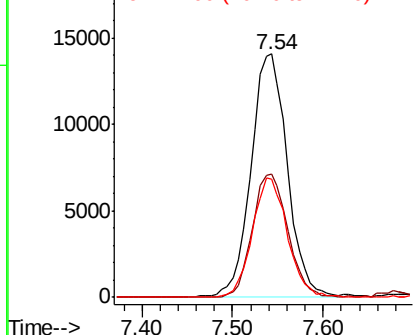
#29
Tetrahydrofuran
Concen: 104.816 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW006791.D
Acq: 09 Nov 2018 17:41

Instrument :
MSVOA_W
ClientSampleId :
VW1109SBS01

Tot Ion: 42 Resp: 39113
Ion Ratio Lower Upper
42 100
72 49.5 39.8 59.8
71 47.1 37.8 56.6

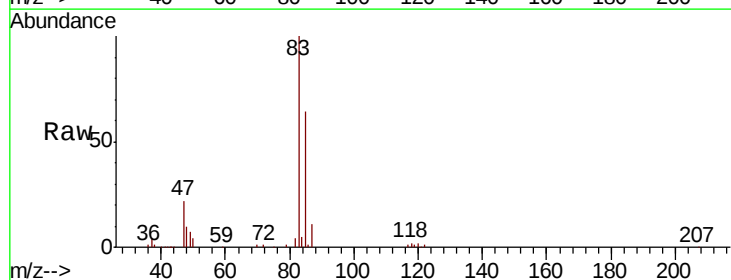


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

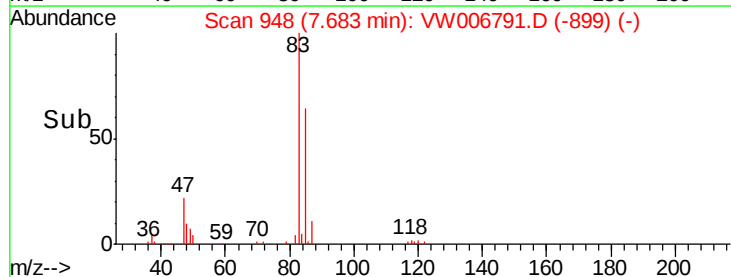
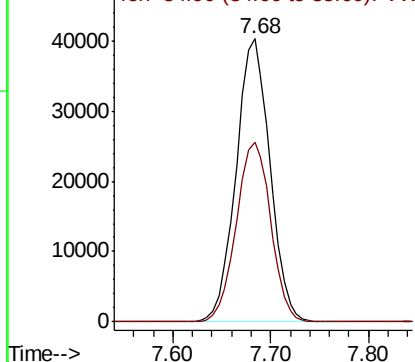


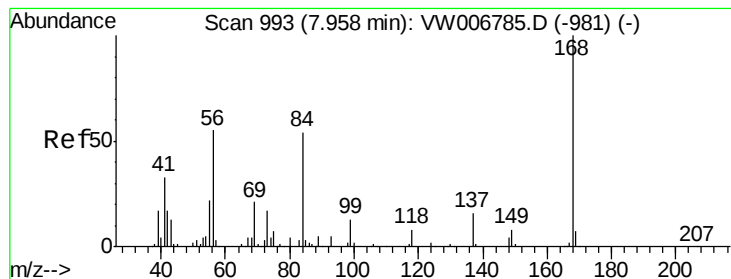
#30
Chloroform
Concen: 20.216 ug/l
RT: 7.68 min Scan# 948
Delta R.T. 0.00 min
Lab File: VW006791.D
Acq: 09 Nov 2018 17:41

Tgt Ion: 83 Resp: 96661
Ion Ratio Lower Upper
83 100
85 63.6 52.1 78.1



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





#31

Cyclohexane

Concen: 21.067 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW006791.D

Acq: 09 Nov 2018 17:41

Instrument :

MSVOA_W

ClientSampleId :

VW1109SBS01

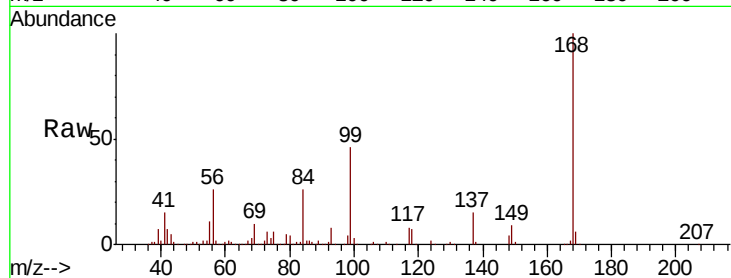
Tot Ion: 56 Resp: 93623

Ion Ratio Lower Upper

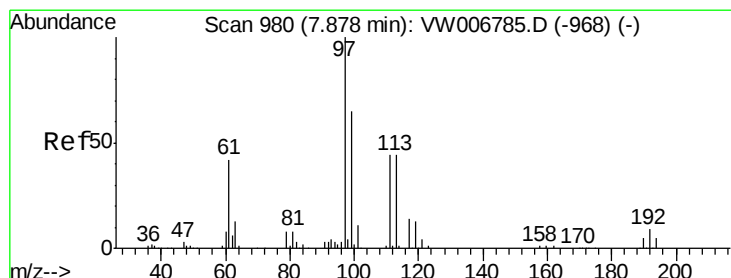
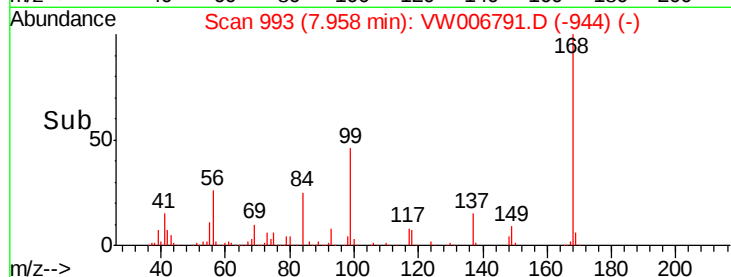
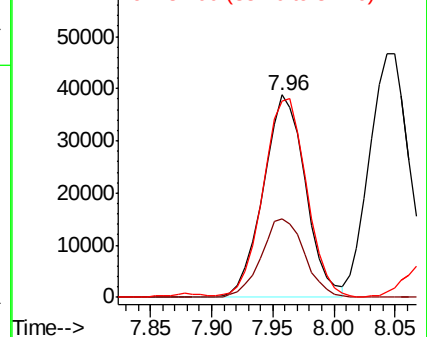
56 100

69 38.5 30.3 45.5

84 95.6 78.2 117.2



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



#32

1,1,1-Trichloroethane

Concen: 20.769 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW006791.D

Acq: 09 Nov 2018 17:41

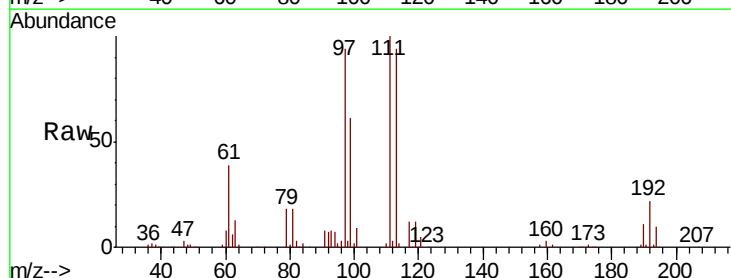
Tgt Ion: 97 Resp: 94244

Ion Ratio Lower Upper

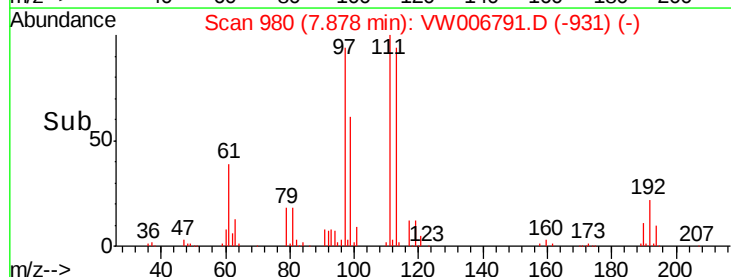
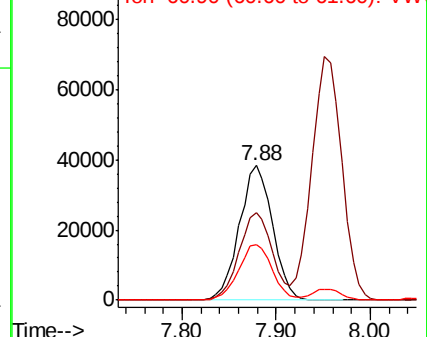
97 100

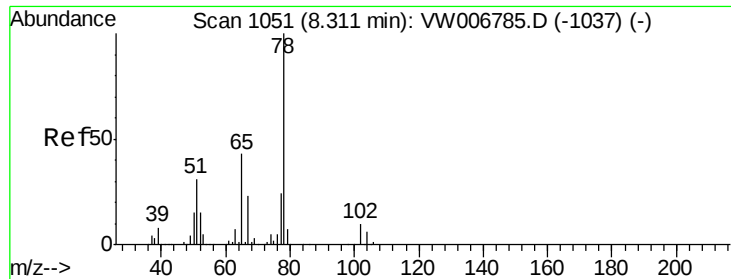
99 65.4 51.4 77.2

61 41.7 32.7 49.1



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

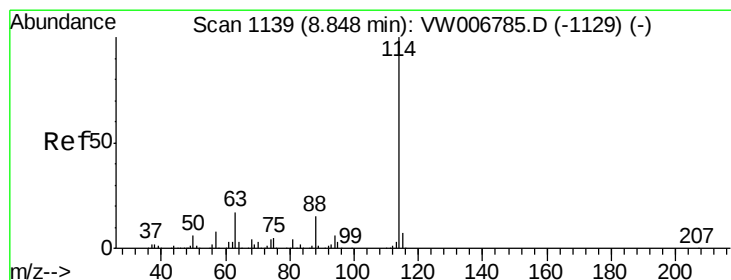
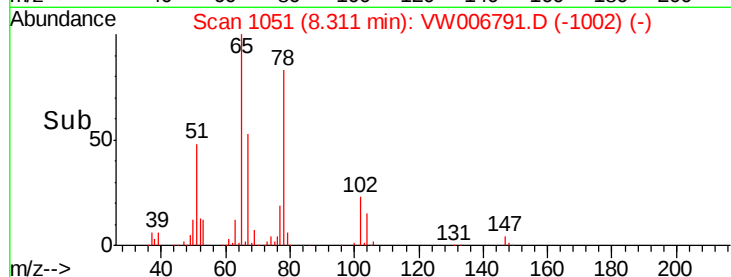
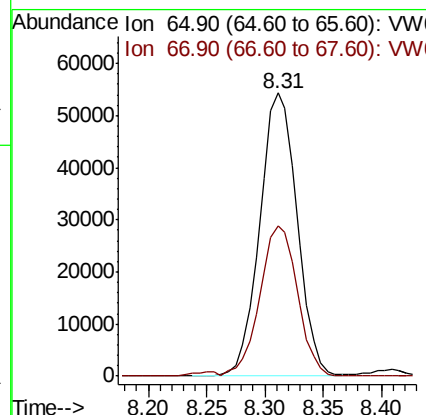
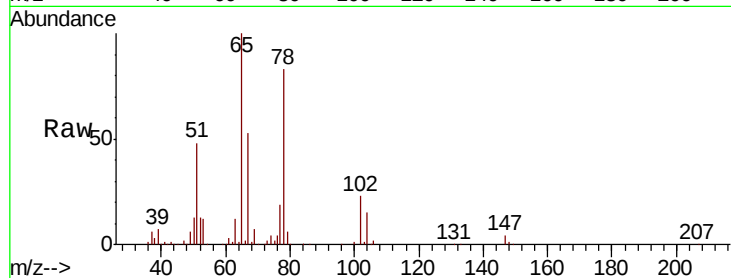




#33
 1,2-Dichloroethane-d4
 Concen: 50.698 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006791.D
 Acq: 09 Nov 2018 17:41

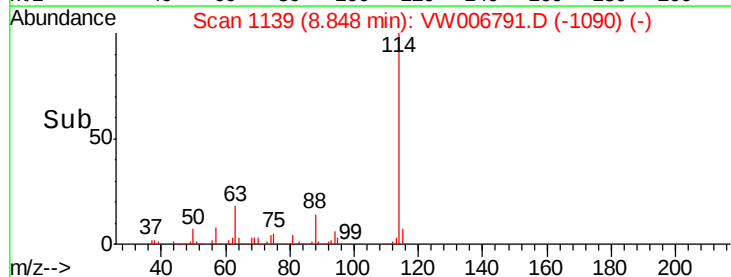
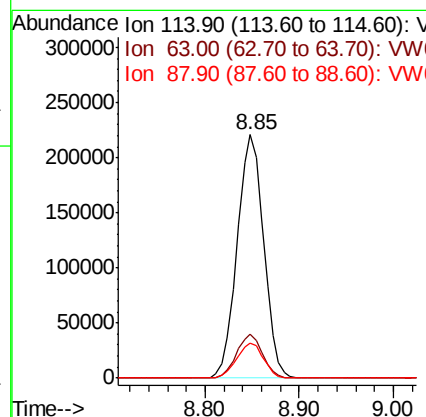
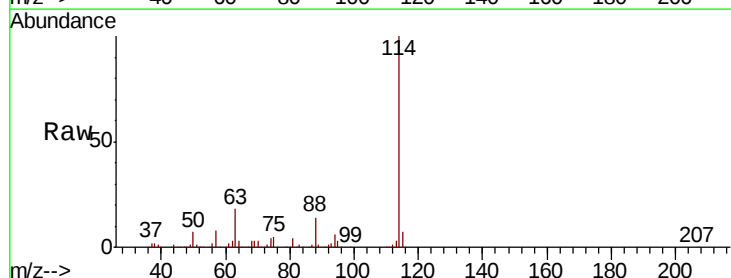
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1109SBS01

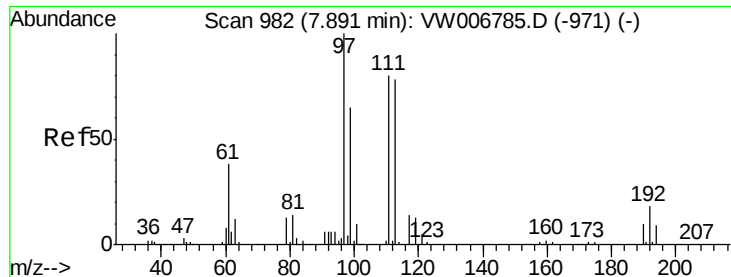
Tot Ion: 65 Resp: 120770
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006791.D
 Acq: 09 Nov 2018 17:41

Tgt Ion: 114 Resp: 431826
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 34.0
 88 14.4 0.0 29.2

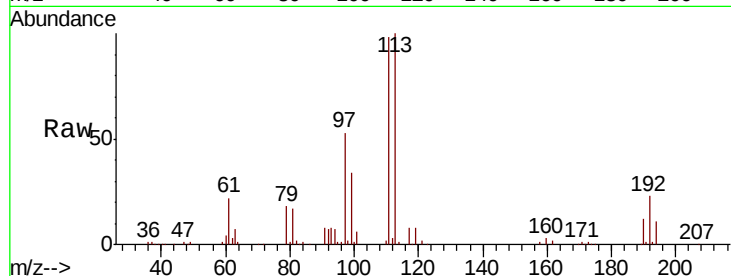




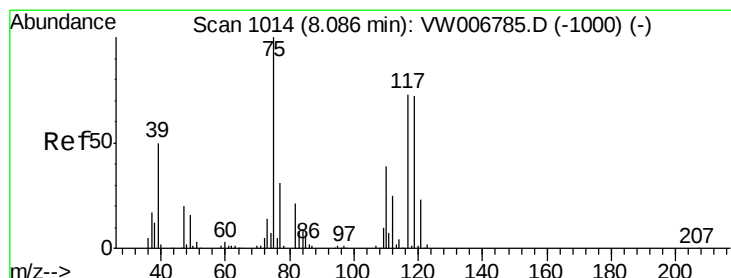
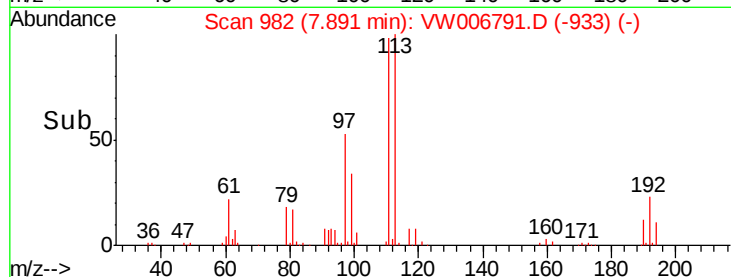
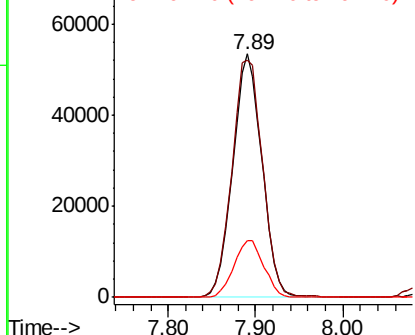
#35
Dibromofluoromethane
Concen: 50.320 ug/l
RT: 7.89 min Scan# 982
Delta R.T. 0.00 min
Lab File: VW006791.D
Acq: 09 Nov 2018 17:41

Instrument :
MSVOA_W
ClientSampleId :
VW1109SBS01

Tot Ion:113 Resp: 123680
Ion Ratio Lower Upper
113 100
111 102.6 81.4 122.2
192 23.9 19.1 28.7

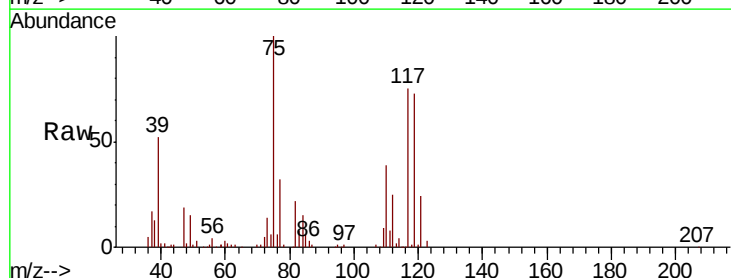


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

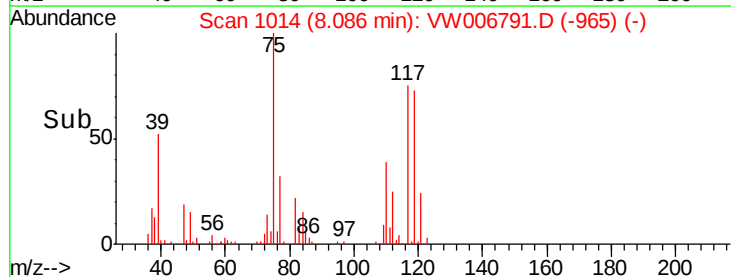
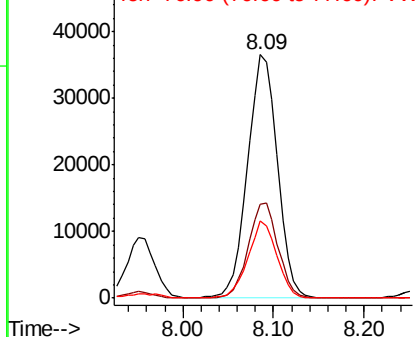


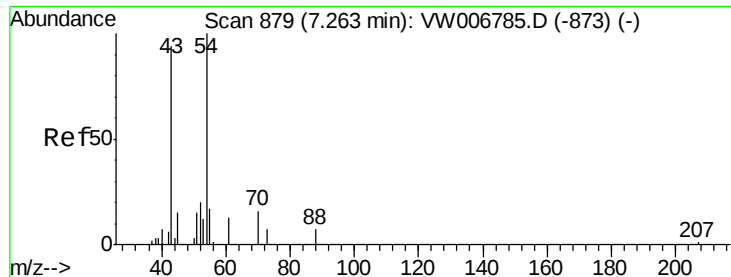
#36
1,1-Dichloropropene
Concen: 21.319 ug/l
RT: 8.09 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VW006791.D
Acq: 09 Nov 2018 17:41

Tgt Ion: 75 Resp: 83538
Ion Ratio Lower Upper
75 100
110 38.5 19.6 58.7
77 30.8 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

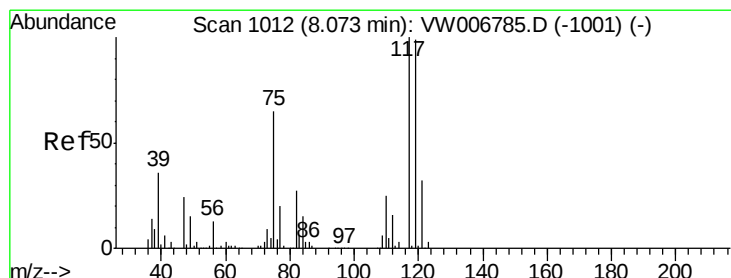
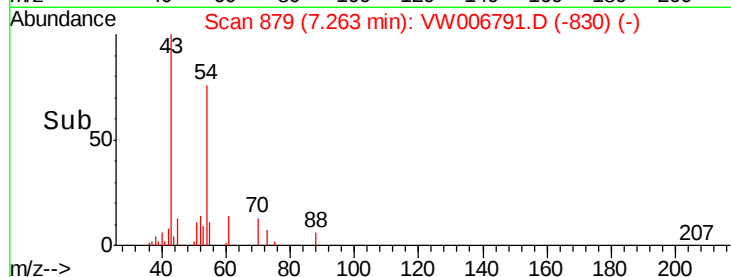
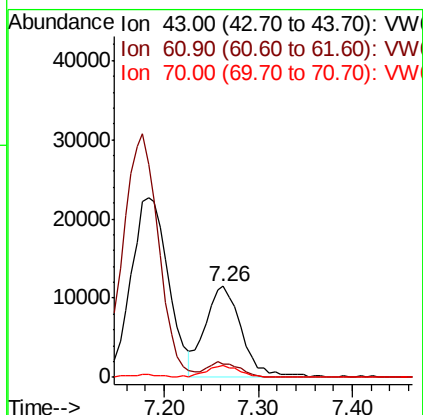
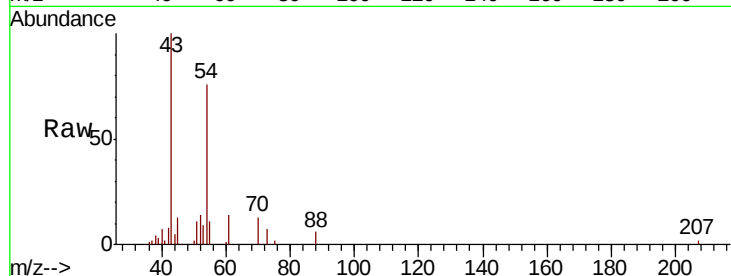




#37
Ethyl Acetate
Concen: 21.972 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: VW006791.D
Acq: 09 Nov 2018 17:41

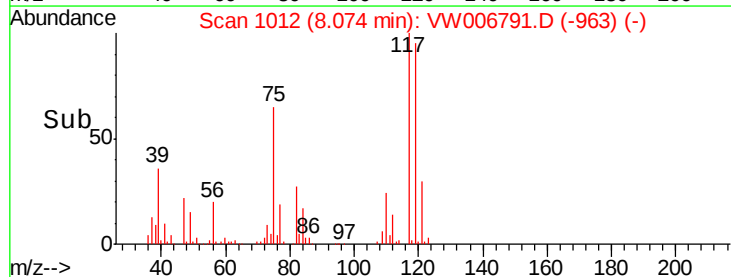
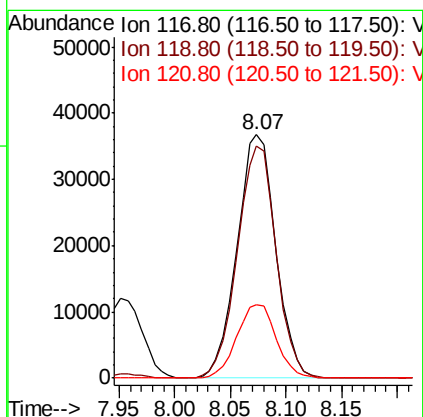
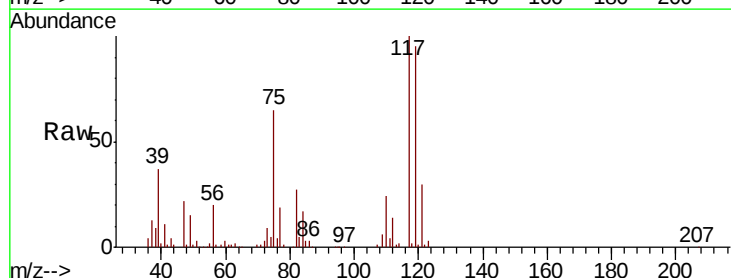
Instrument :
MSVOA_W
ClientSampleId :
VW1109SBS01

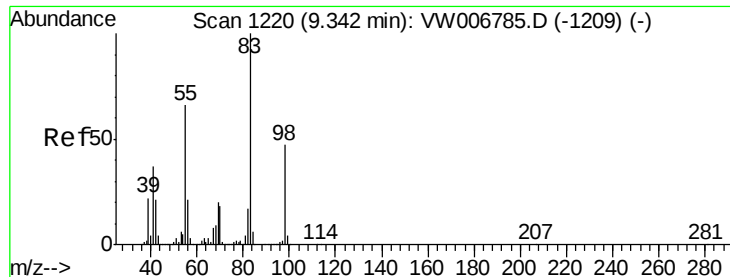
Tot Ion: 43 Resp: 30576
Ion Ratio Lower Upper
43 100
61 14.5 12.2 18.2
70 11.6 9.8 14.8



#38
Carbon Tetrachloride
Concen: 21.164 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW006791.D
Acq: 09 Nov 2018 17:41

Tgt Ion: 117 Resp: 88606
Ion Ratio Lower Upper
117 100
119 95.3 78.9 118.3
121 30.0 25.3 37.9

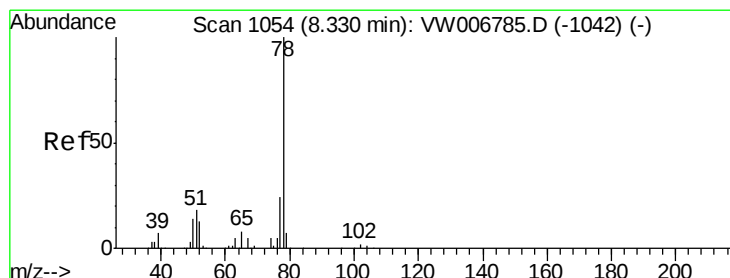
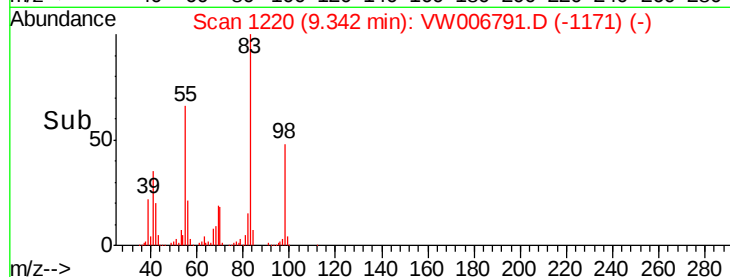
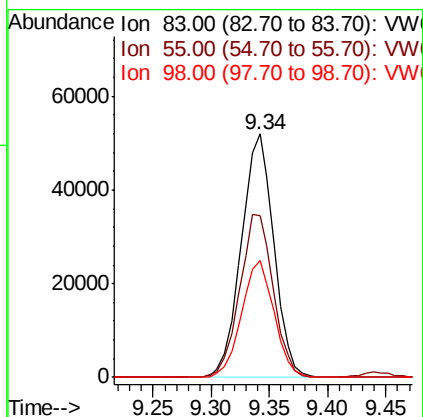
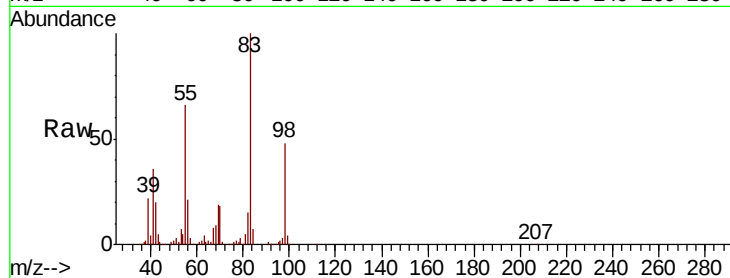




#39
Methvlcvclohexane
Concen: 20.334 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW006791.D
Acq: 09 Nov 2018 17:41

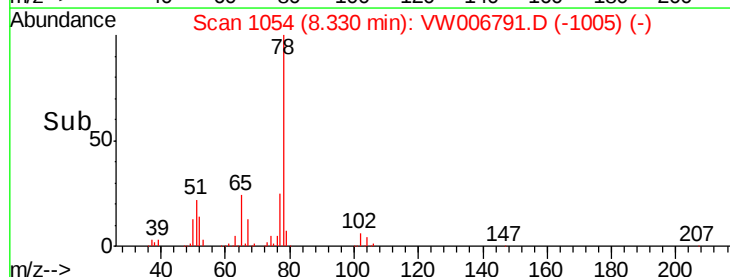
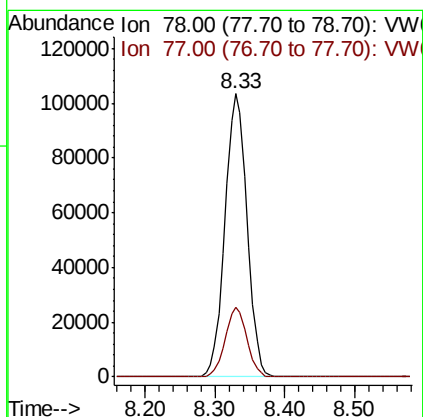
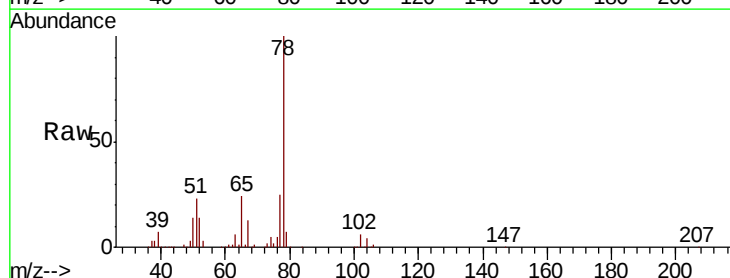
Instrument :
MSVOA_W
ClientSampleId :
VW1109SBS01

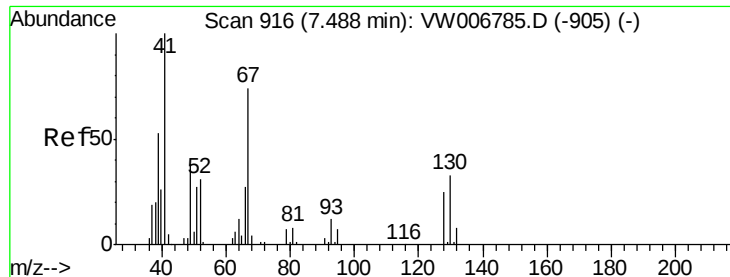
Tot Ion	83	Resp	101445
Ion	Ratio	Lower	Upper
83	100		
55	66.3	53.0	79.4
98	48.0	37.9	56.9



#40
Benzene
Concen: 20.431 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW006791.D
Acq: 09 Nov 2018 17:41

Tgt Ion	78	Resp	226067
Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.4	29.2

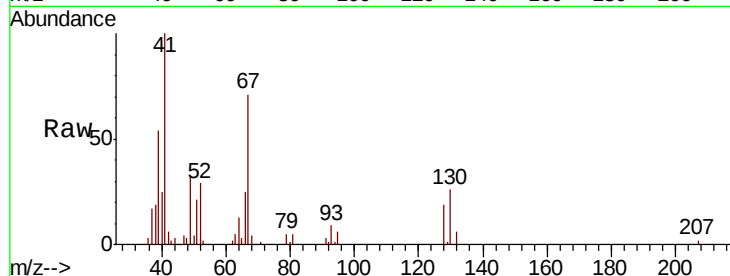




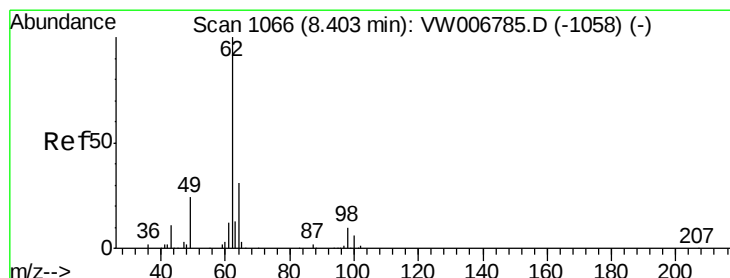
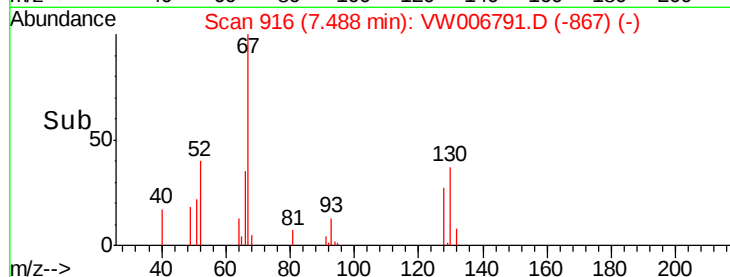
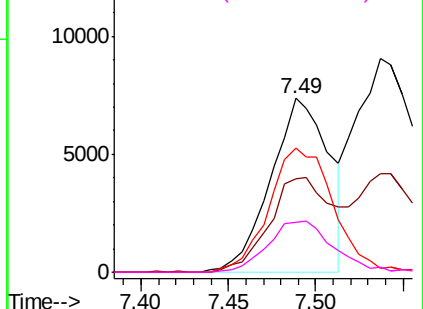
#41
Methacrylonitrile
Concen: 21.284 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006791.D
Acq: 09 Nov 2018 17:41

Instrument :
MSVOA_W
ClientSampleId :
VW1109SBS01

Tot Ion: 41 Resp: 17183
Ion Ratio Lower Upper
41 100
39 56.7 49.3 73.9
67 78.8 69.3 103.9
52 33.1 28.2 42.4

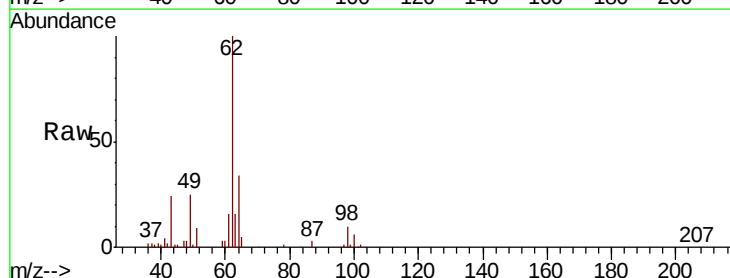


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

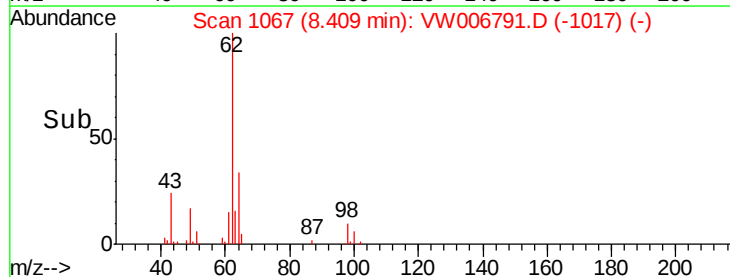
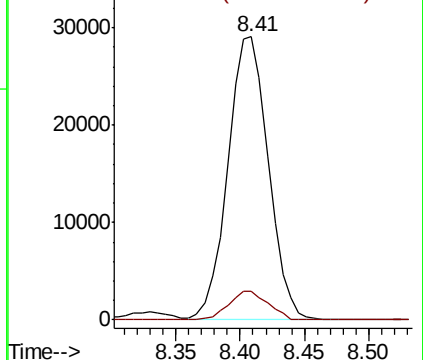


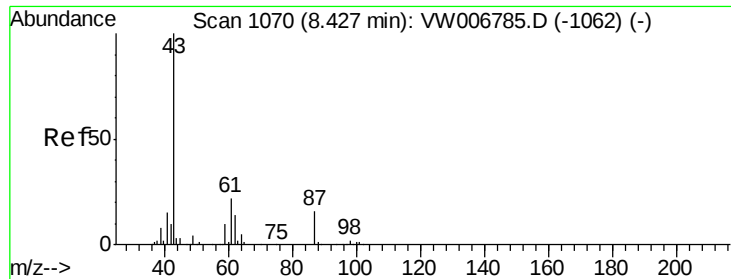
#42
1,2-Dichloroethane
Concen: 21.075 ug/l
RT: 8.41 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VW006791.D
Acq: 09 Nov 2018 17:41

Tgt Ion: 62 Resp: 63475
Ion Ratio Lower Upper
62 100
98 9.9 0.0 19.4



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



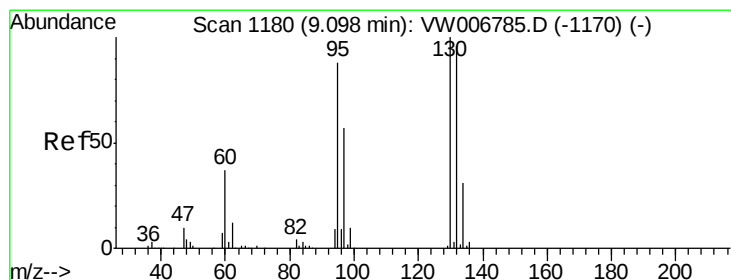
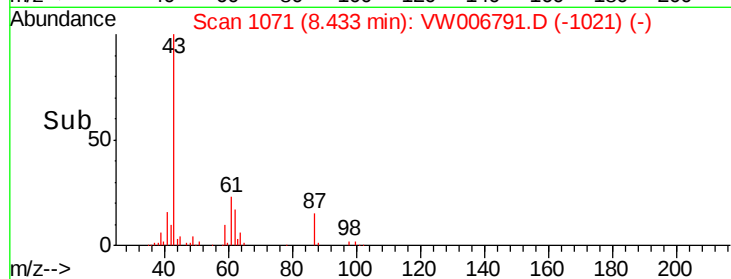
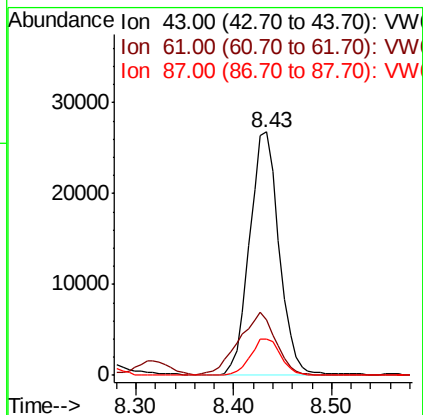
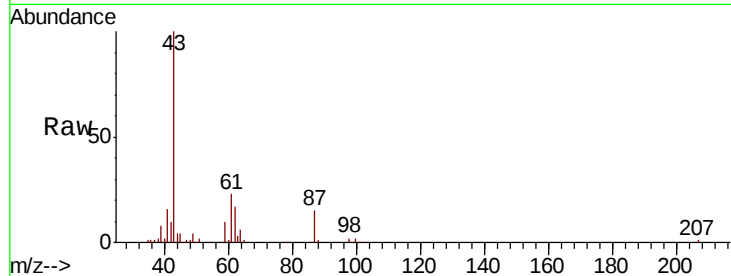


#43

Isopropyl Acetate
 Concen: 21.611 ug/l
 RT: 8.43 min Scan# 1071
 Delta R.T. 0.01 min
 Lab File: VW006791.D
 Acq: 09 Nov 2018 17:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1109SBS01

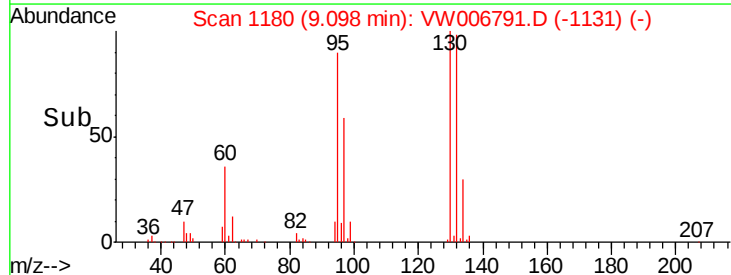
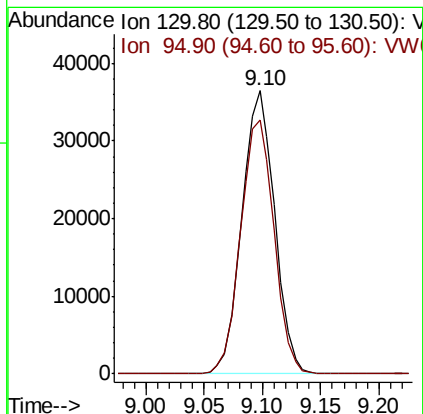
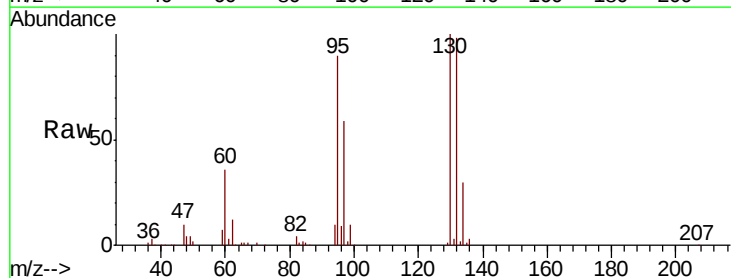
Tot Ion	43	Resp	56376
Ion Ratio	Lower	Upper	
43	100		
61	32.4	26.5	39.7
87	15.4	12.8	19.2

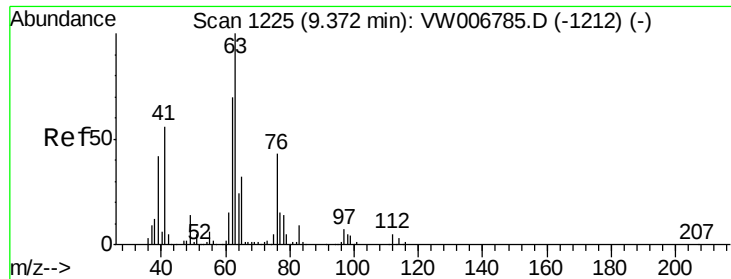


#44

Trichloroethene
 Concen: 20.975 ug/l
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VW006791.D
 Acq: 09 Nov 2018 17:41

Tgt Ion	130	Resp	71357
Ion Ratio	Lower	Upper	
130	100		
95	89.8	0.0	175.0

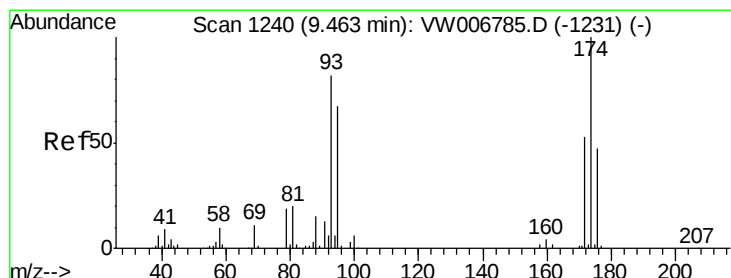
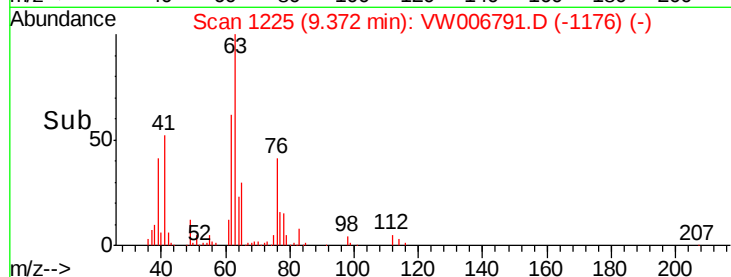
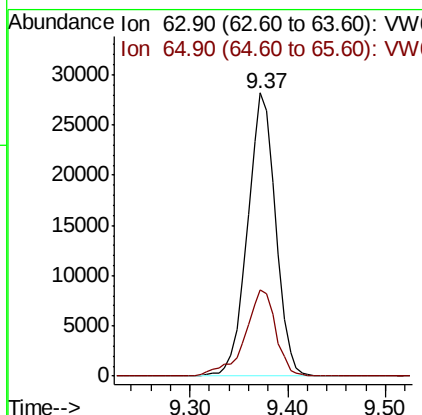
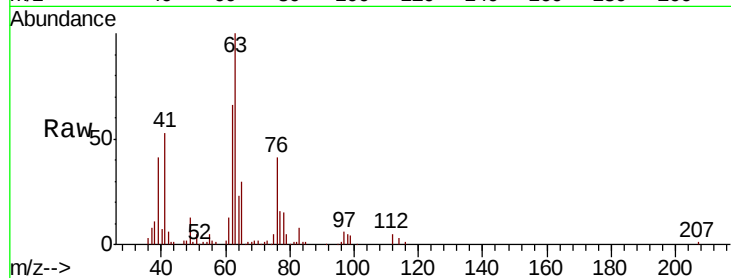




#45
 1,2-Dichloropropane
 Concen: 21.478 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006791.D
 Acq: 09 Nov 2018 17:41

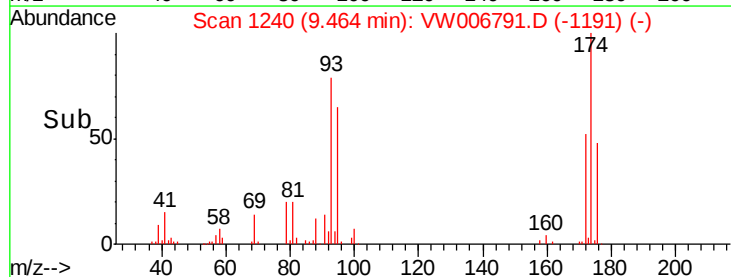
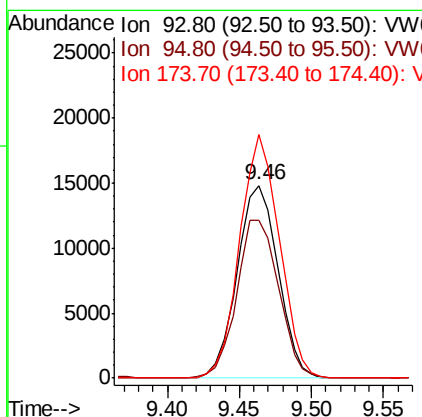
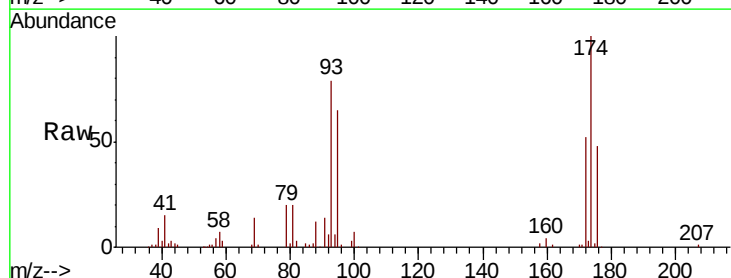
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1109SBS01

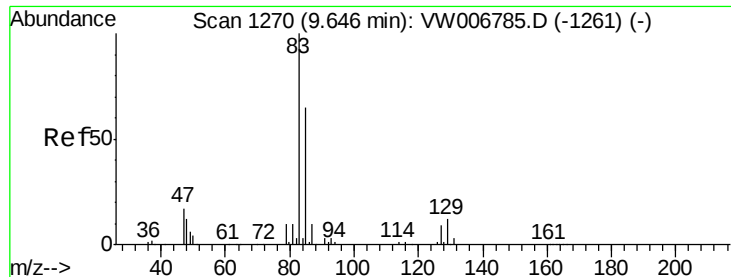
Tot Ion: 63 Resp: 55815
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.5 38.3



#46
 Dibromomethane
 Concen: 20.047 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW006791.D
 Acq: 09 Nov 2018 17:41

Tgt Ion: 93 Resp: 29249
 Ion Ratio Lower Upper
 93 100
 95 83.8 65.4 98.0
 174 122.5 96.4 144.6





#47

Bromodichloromethane

Concen: 21.092 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006791.D

Acq: 09 Nov 2018 17:41

Instrument :

MSVOA_W

ClientSampleId :

VW1109SBS01

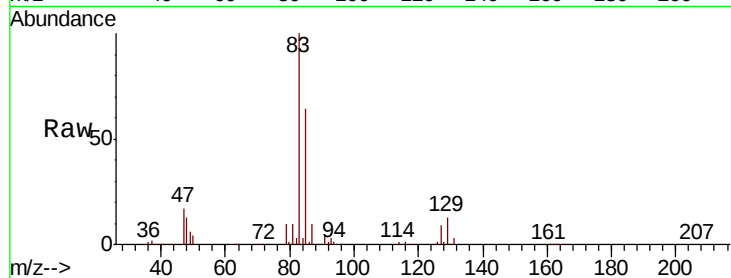
Tot Ion: 83 Resp: 74672

Ion Ratio Lower Upper

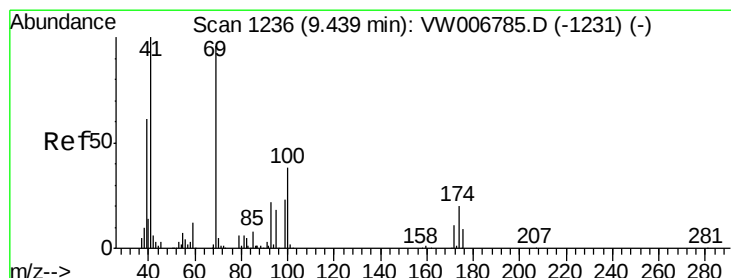
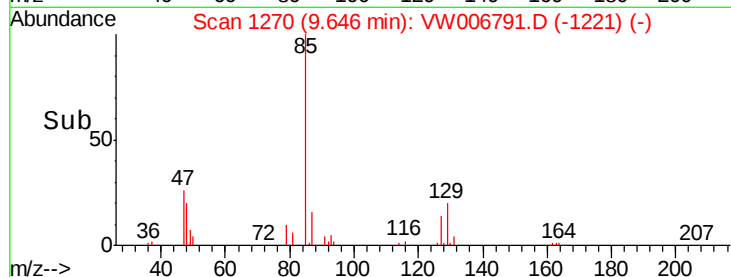
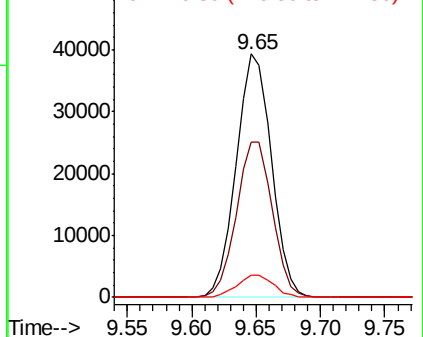
83 100

85 63.9 51.6 77.4

127 9.0 7.4 11.2



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



#48

Methyl methacrylate

Concen: 21.326 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW006791.D

Acq: 09 Nov 2018 17:41

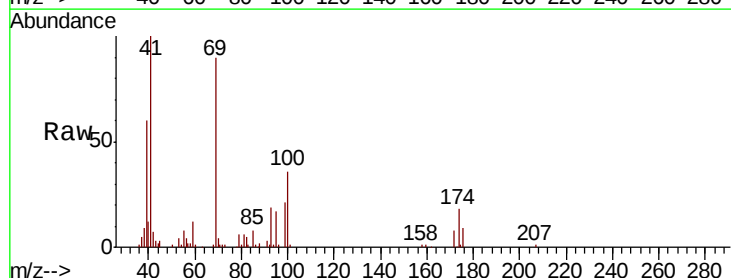
Tgt Ion: 41 Resp: 26201

Ion Ratio Lower Upper

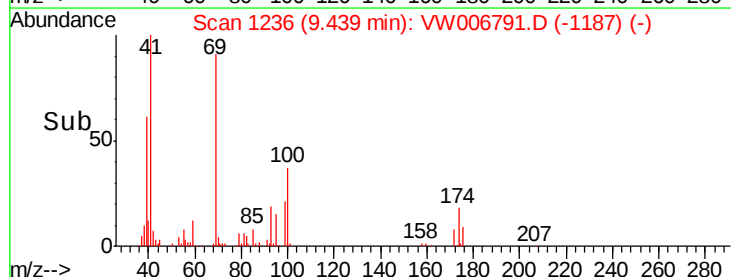
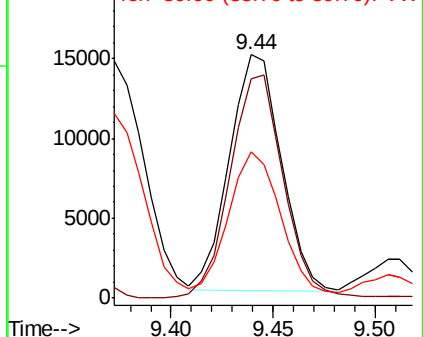
41 100

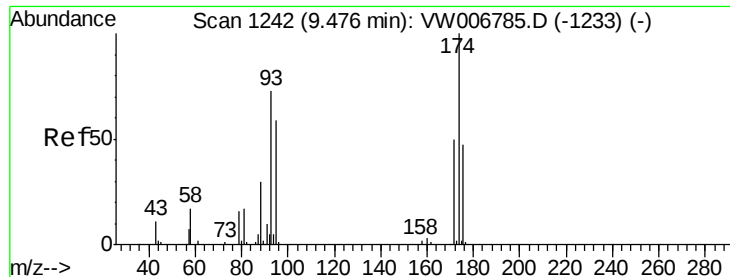
69 97.4 81.5 122.3

39 58.5 48.0 72.0



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: 379.988 ug/l

RT: 9.48 min Scan# 1243

Delta R.T. 0.01 min

Lab File: VW006791.D

Acq: 09 Nov 2018 17:41

Instrument :

MSVOA_W

ClientSampleId :

VW1109SBS01

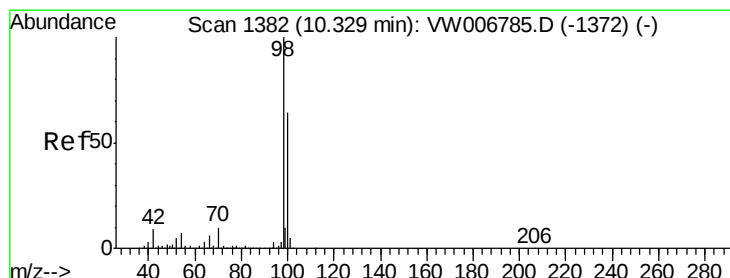
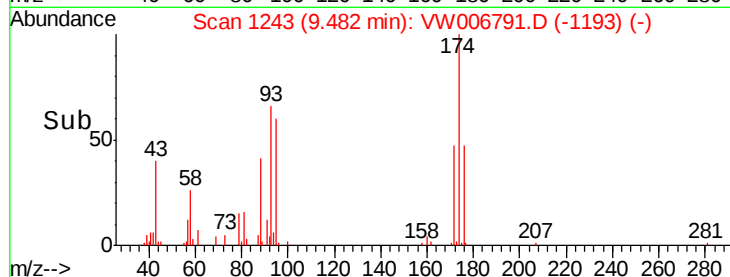
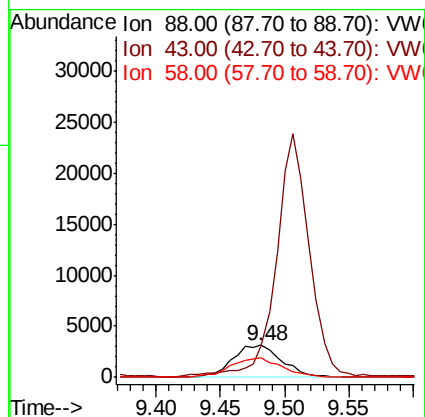
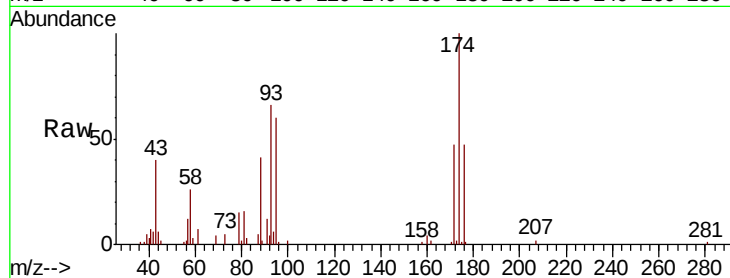
Tot Ion: 88 Resp: 8300

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 65.0 53.7 80.5



#50

Toluene-d8

Concen: 49.305 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006791.D

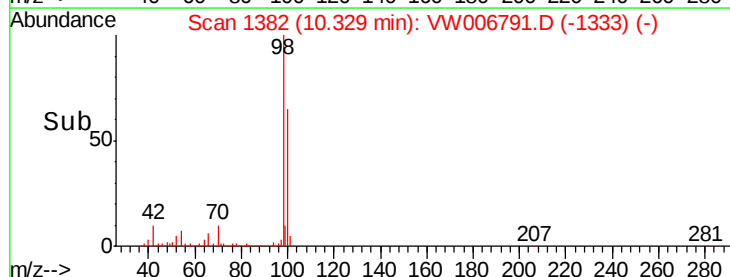
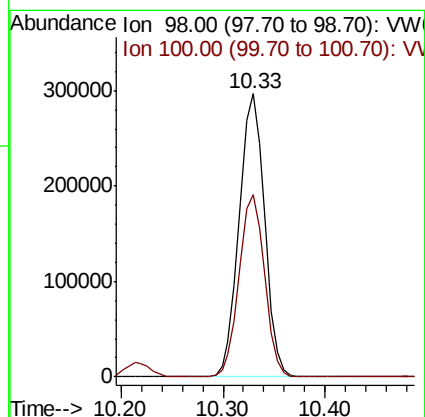
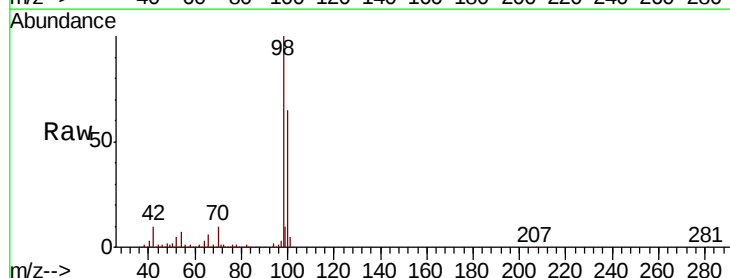
Acq: 09 Nov 2018 17:41

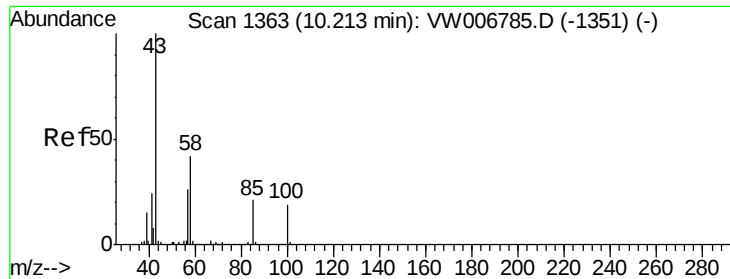
Tgt Ion: 98 Resp: 510024

Ion Ratio Lower Upper

98 100

100 64.6 51.4 77.0

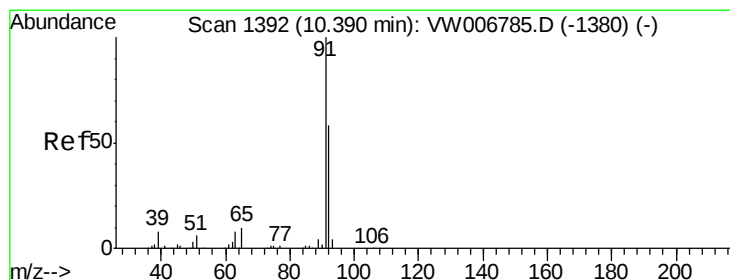
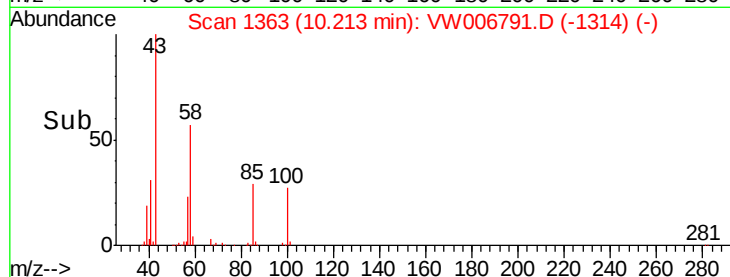
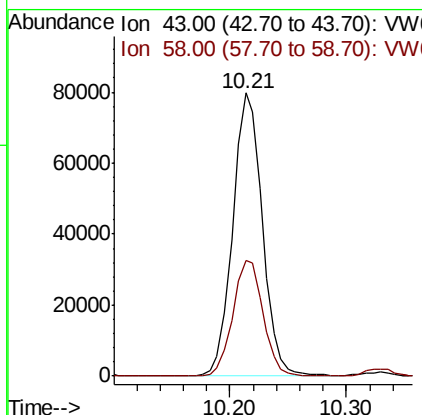
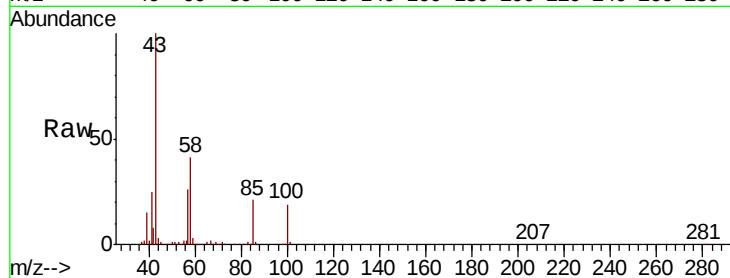




#51
 4-Methyl-2-Pentanone
 Concen: 105.047 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW006791.D
 Acq: 09 Nov 2018 17:41

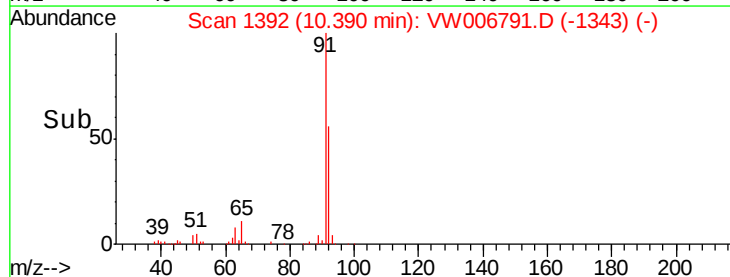
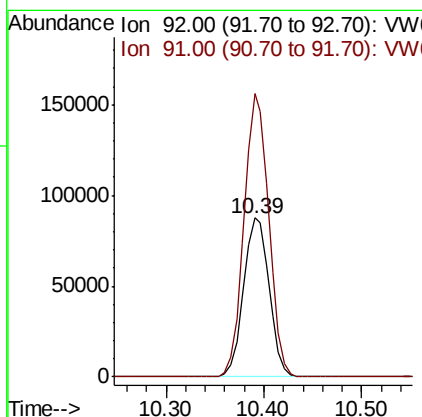
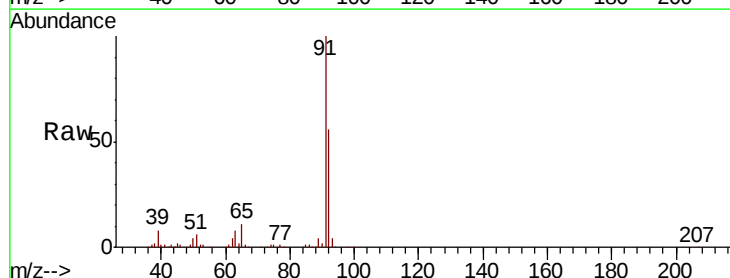
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1109SBS01

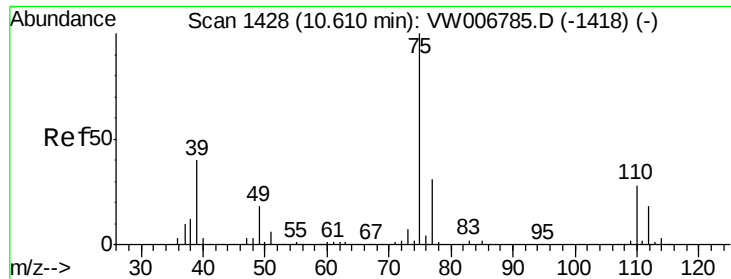
Tot Ion: 43 Resp: 140791
 Ion Ratio Lower Upper
 43 100
 58 41.9 33.2 49.8



#52
 Toluene
 Concen: 20.335 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW006791.D
 Acq: 09 Nov 2018 17:41

Tgt Ion: 92 Resp: 158189
 Ion Ratio Lower Upper
 92 100
 91 172.8 138.6 207.8

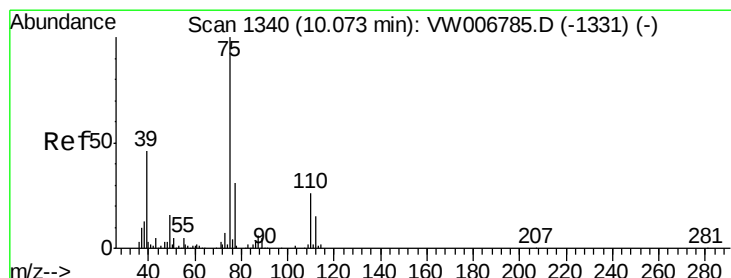
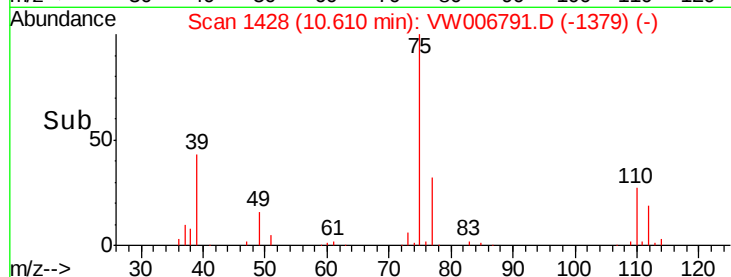
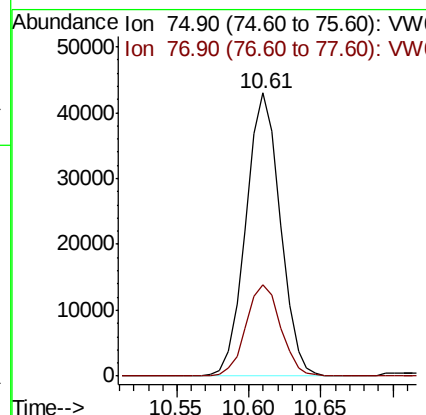
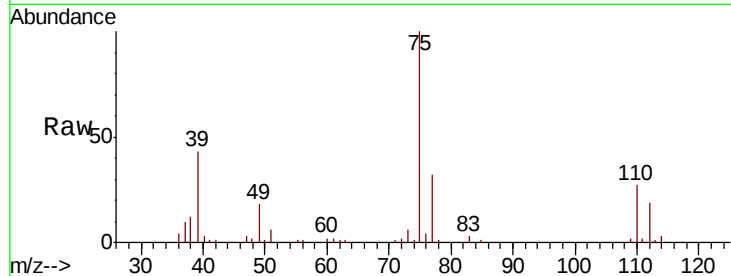




#53
t-1,3-Dichloropropene
Concen: 20.724 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.00 min
Lab File: VW006791.D
Acq: 09 Nov 2018 17:41

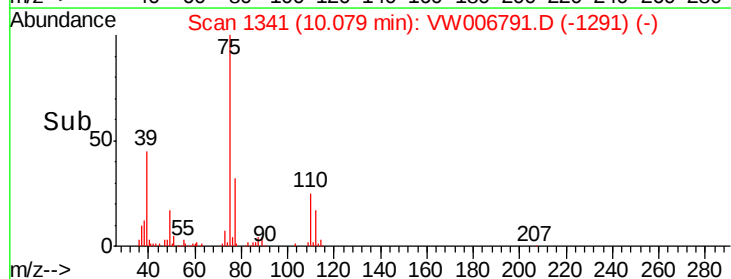
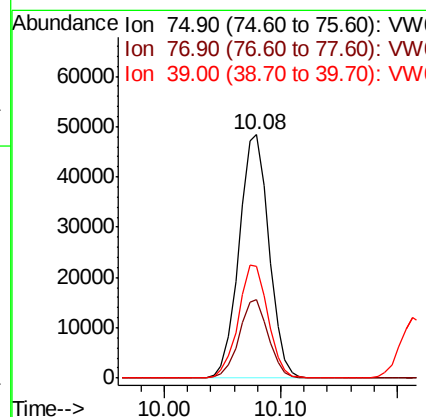
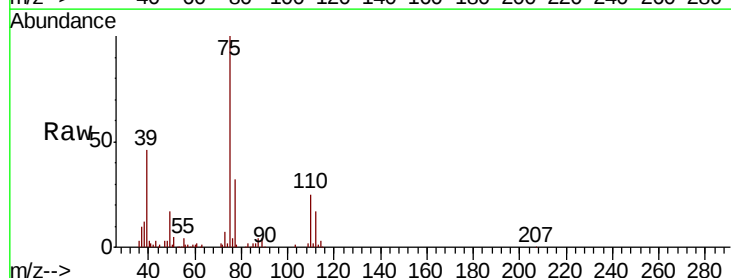
Instrument :
MSVOA_W
ClientSampleId :
VW1109SBS01

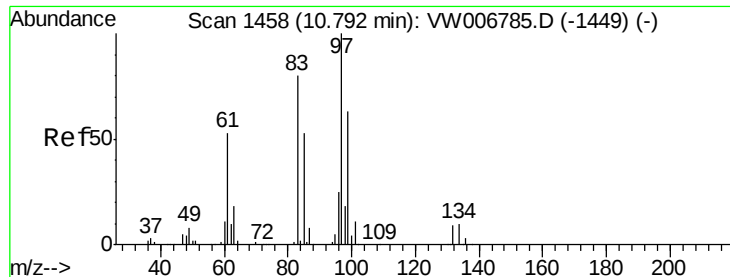
Tot Ion: 75 Resp: 71145
Ion Ratio Lower Upper
75 100
77 32.1 25.1 37.7



#54
cis-1,3-Dichloropropene
Concen: 21.350 ug/l
RT: 10.08 min Scan# 1341
Delta R.T. 0.01 min
Lab File: VW006791.D
Acq: 09 Nov 2018 17:41

Tgt Ion: 75 Resp: 86900
Ion Ratio Lower Upper
75 100
77 32.2 24.6 37.0
39 45.9 37.1 55.7

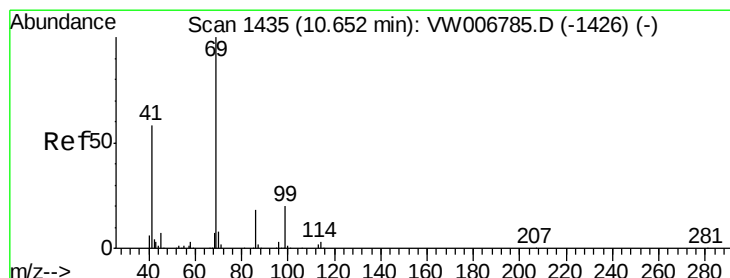
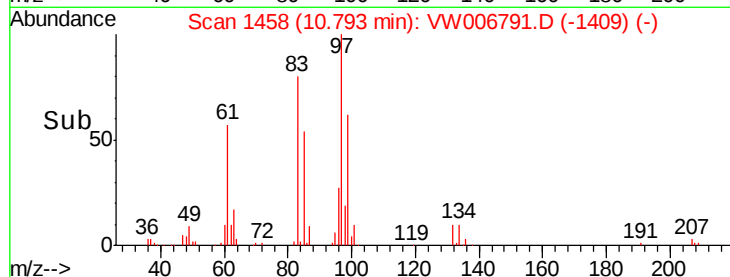
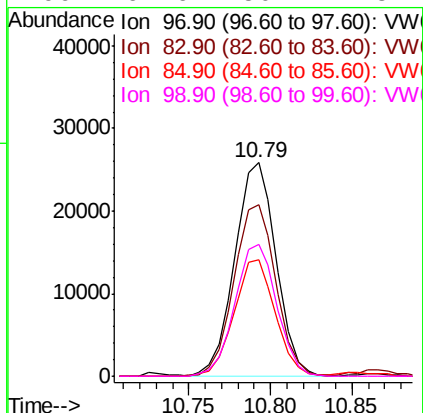
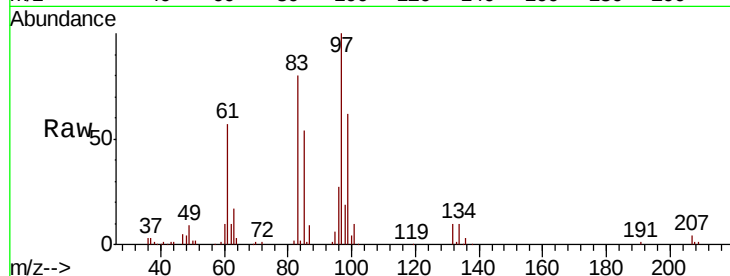




#55
 1,1,2-Trichloroethane
 Concen: 21.210 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW006791.D
 Acq: 09 Nov 2018 17:41

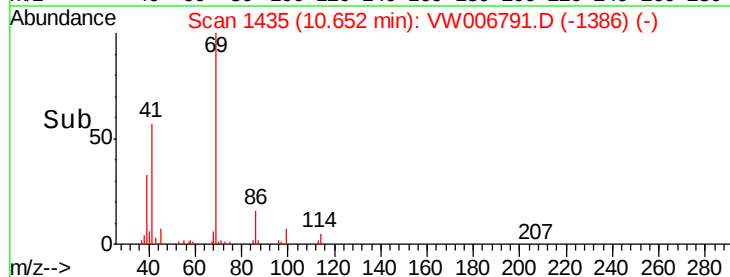
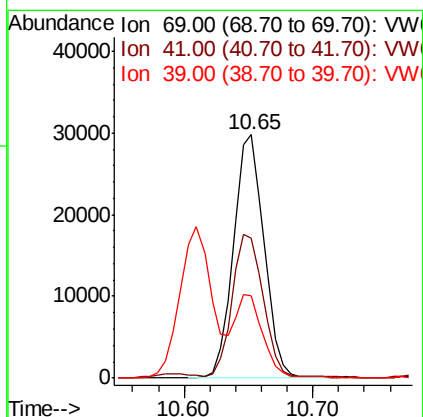
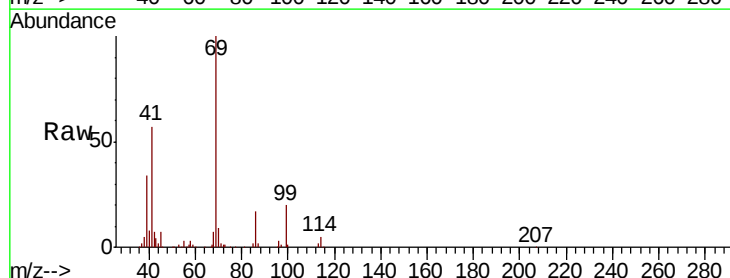
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1109SBS01

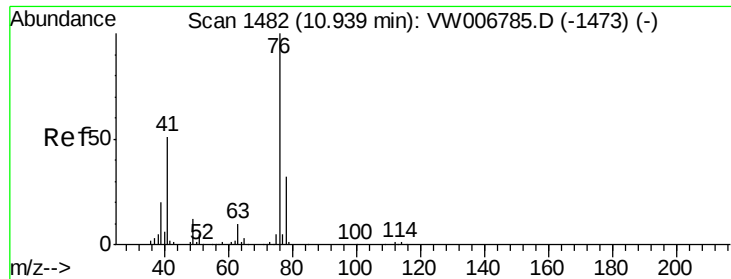
Tot Ion:	97	Resp:	45587
Ion	Ratio	Lower	Upper
97	100		
83	79.6	64.4	96.6
85	54.2	42.6	63.8
99	61.6	50.2	75.2



#56
 Ethyl methacrylate
 Concen: 20.705 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VW006791.D
 Acq: 09 Nov 2018 17:41

Tgt Ion:	69	Resp:	49143
Ion	Ratio	Lower	Upper
69	100		
41	59.4	47.2	70.8
39	30.2	23.4	35.0





#57

1,3-Dichloropropane

Concen: 21.190 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VW006791.D

Acq: 09 Nov 2018 17:41

Instrument :

MSVOA_W

ClientSampleId :

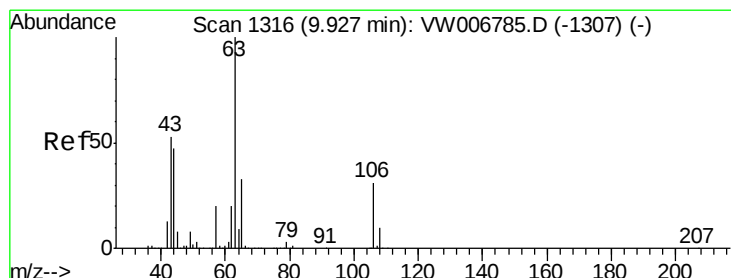
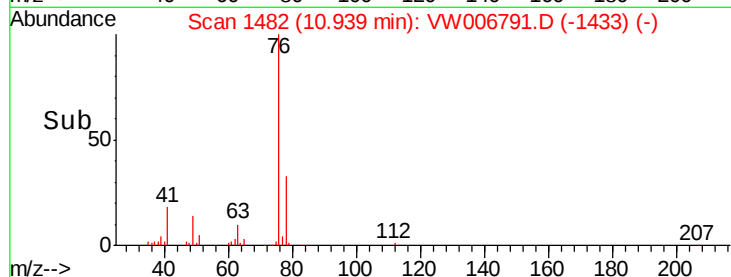
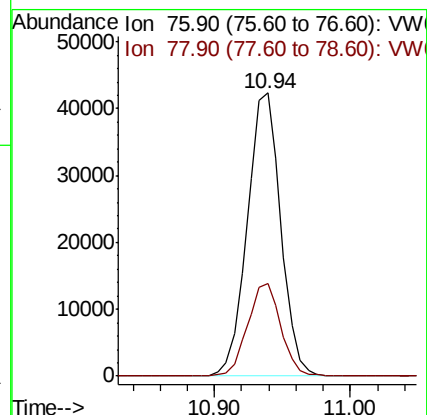
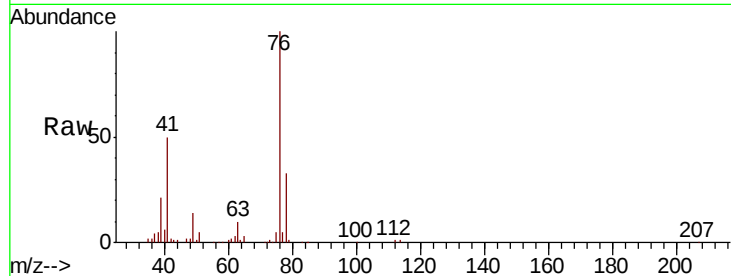
VW1109SBS01

Tot Ion: 76 Resp: 72807

Ion Ratio Lower Upper

76 100

78 32.3 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 111.501 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW006791.D

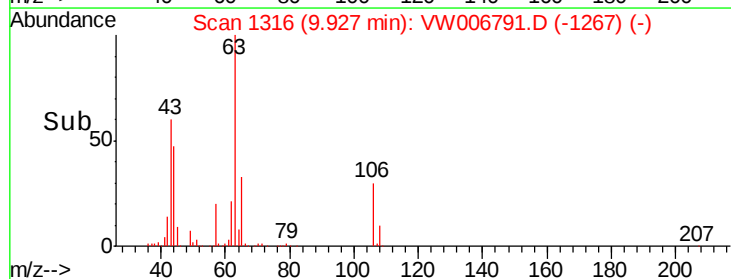
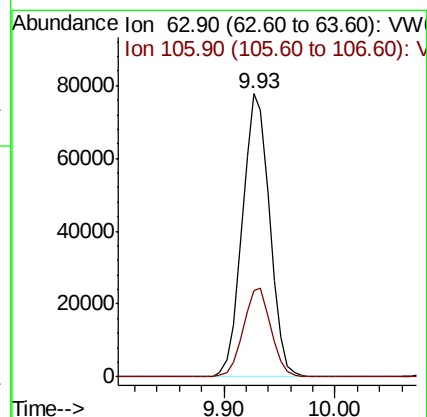
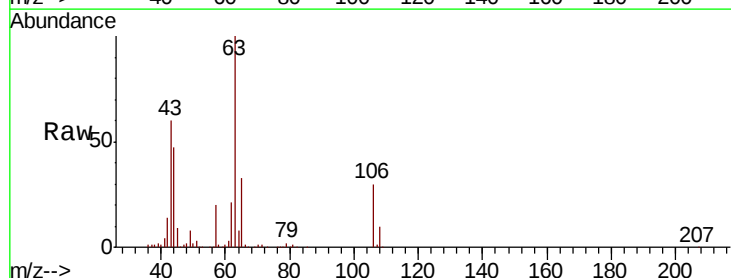
Acq: 09 Nov 2018 17:41

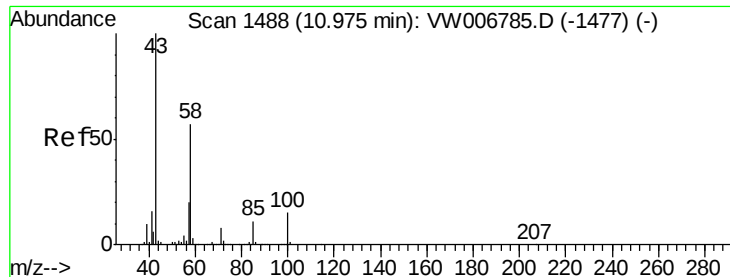
Tgt Ion: 63 Resp: 131795

Ion Ratio Lower Upper

63 100

106 31.5 25.3 37.9

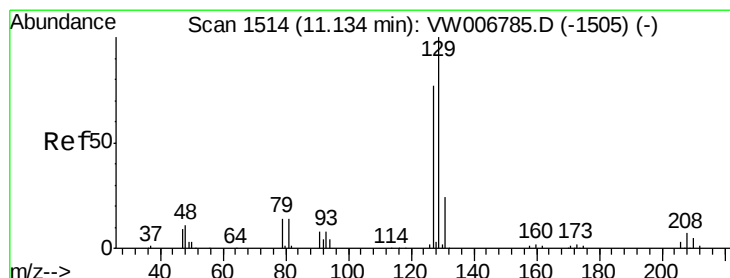
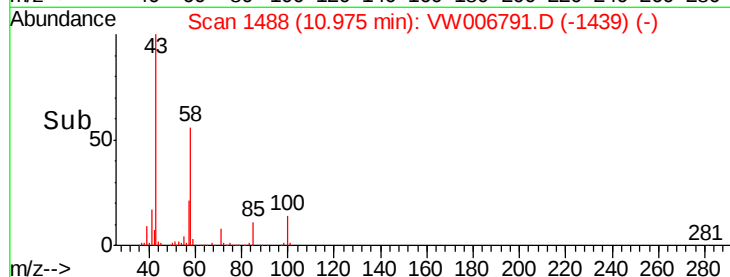
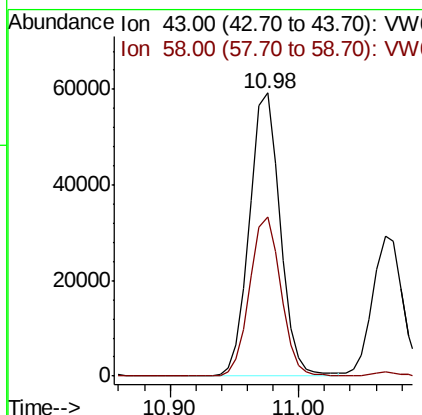
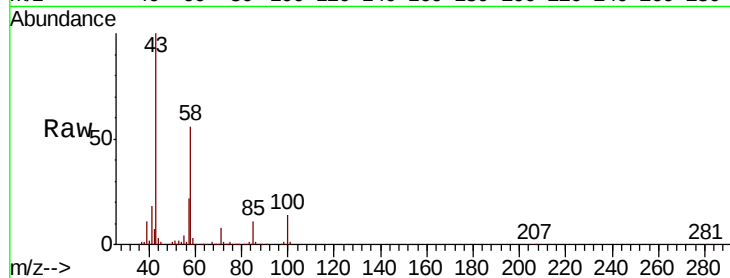




#59
2-Hexanone
Concen: 107.176 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW006791.D
Acq: 09 Nov 2018 17:41

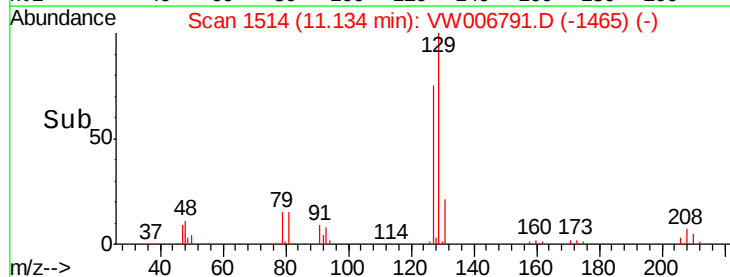
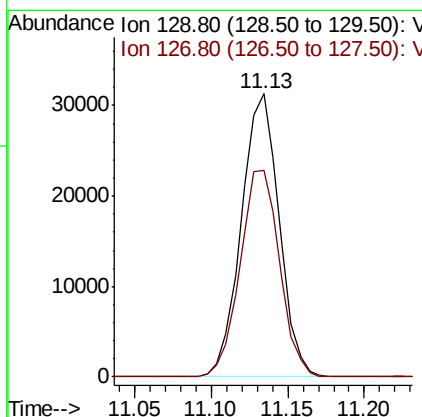
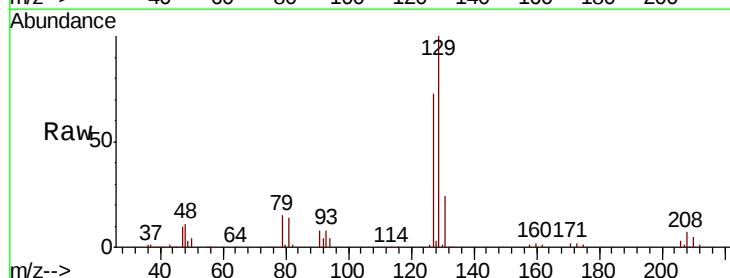
Instrument :
MSVOA_W
ClientSampleId :
VW1109SBS01

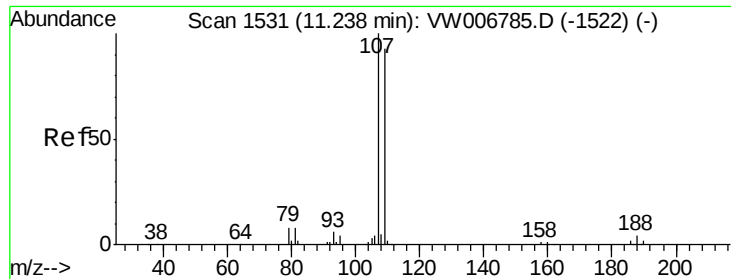
Tot Ion: 43 Resp: 97349
Ion Ratio Lower Upper
43 100
58 56.9 28.5 85.5



#60
Dibromochloromethane
Concen: 20.797 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW006791.D
Acq: 09 Nov 2018 17:41

Tgt Ion: 129 Resp: 53730
Ion Ratio Lower Upper
129 100
127 76.3 38.5 115.3

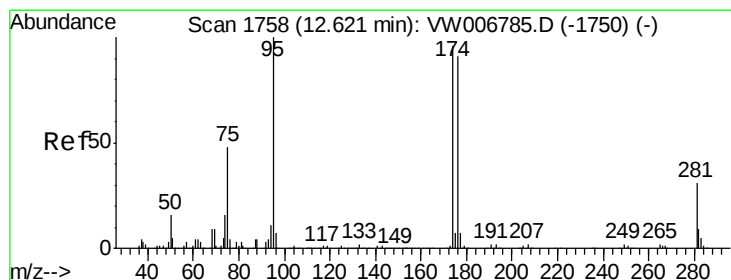
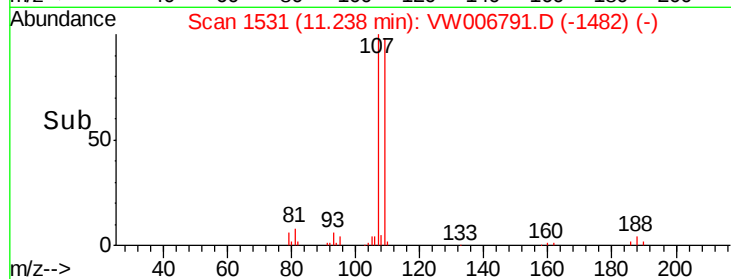
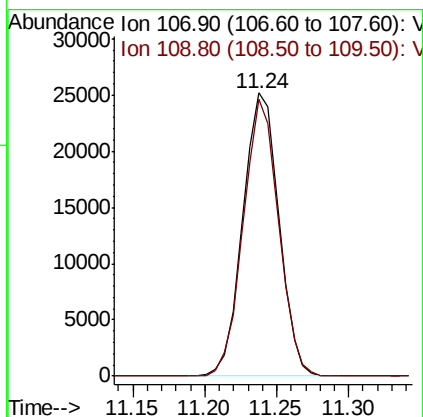
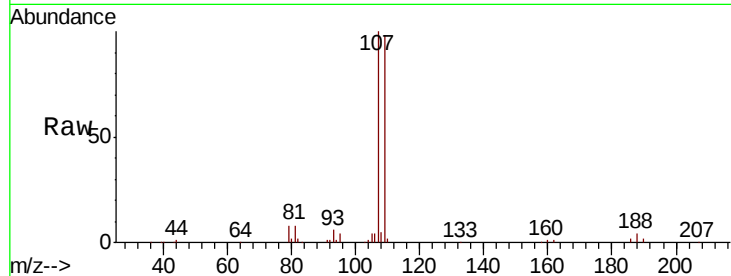




#61
1,2-Dibromoethane
Concen: 21.063 ug/l
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW006791.D
Acq: 09 Nov 2018 17:41

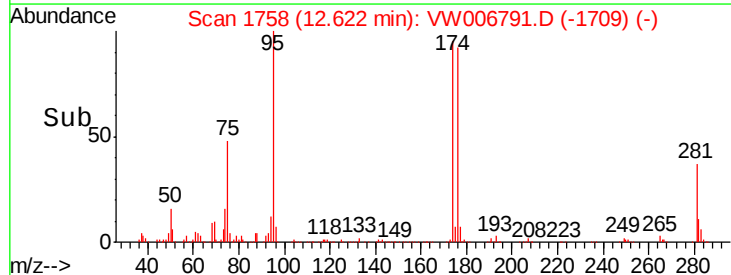
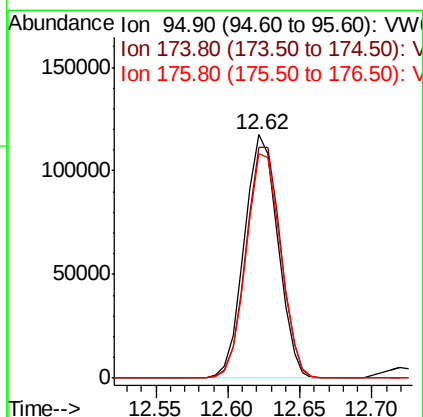
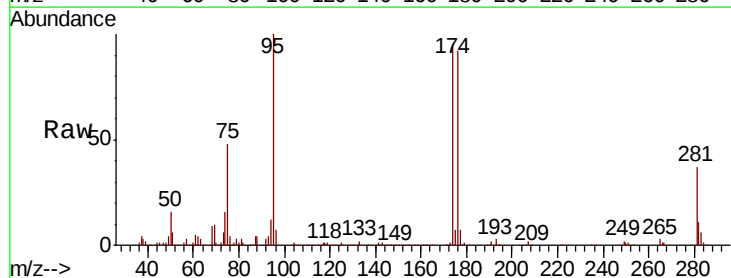
Instrument :
MSVOA_W
ClientSampleId :
VW1109SBS01

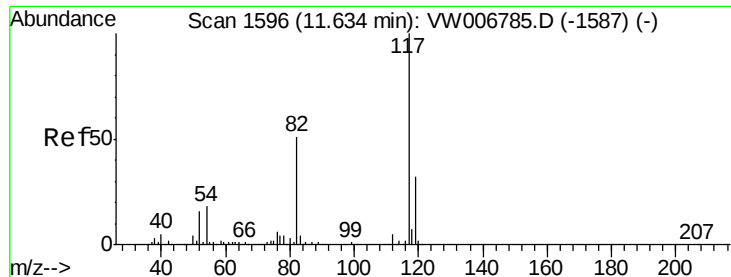
Tot Ion:107 Resp: 43555
Ion Ratio Lower Upper
107 100
109 95.8 75.5 113.3



#62
4-Bromofluorobenzene
Concen: 50.301 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW006791.D
Acq: 09 Nov 2018 17:41

Tgt Ion: 95 Resp: 189502
Ion Ratio Lower Upper
95 100
174 97.7 0.0 196.2
176 94.6 0.0 190.8

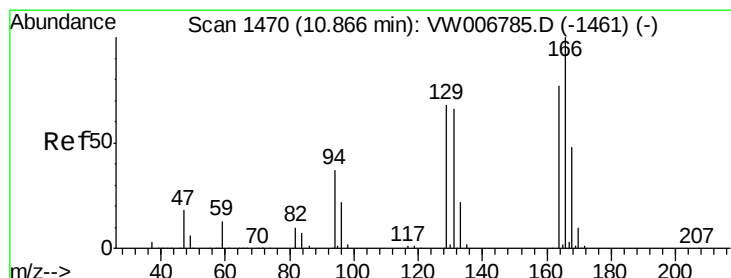
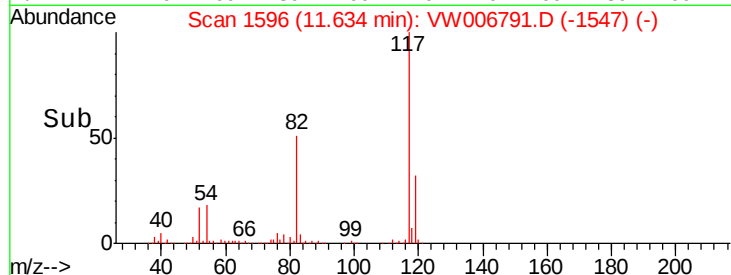
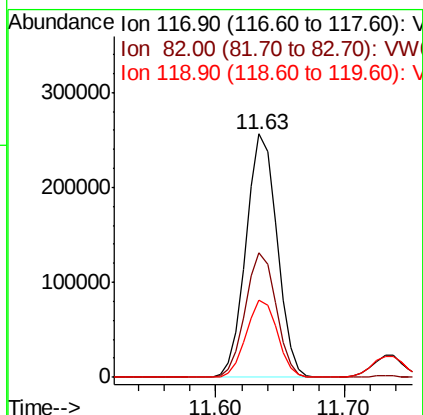
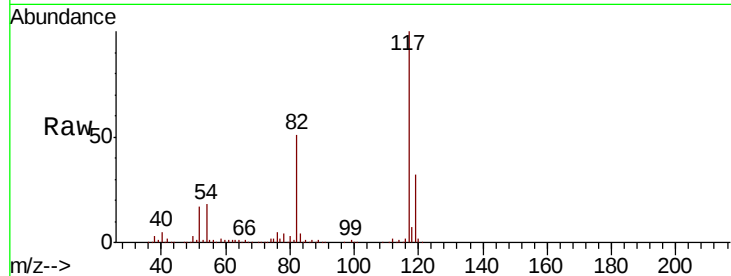




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006791.D
Acq: 09 Nov 2018 17:41

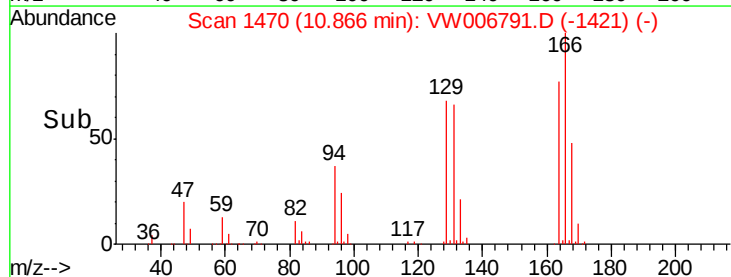
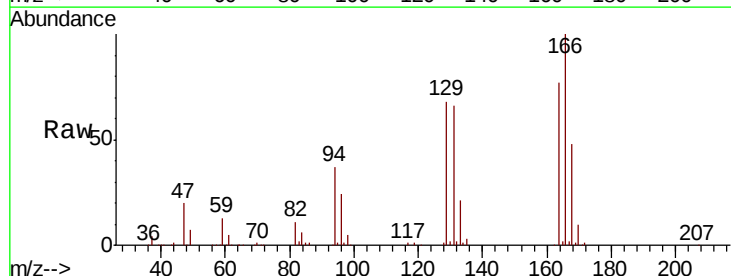
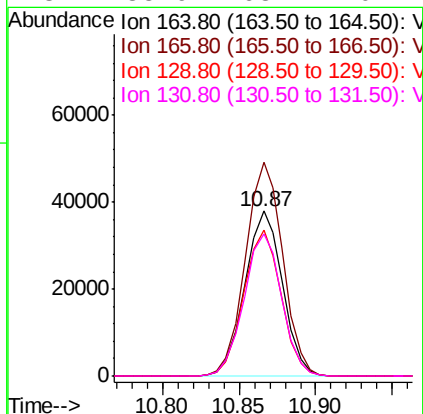
Instrument :
MSVOA_W
ClientSampleId :
VW1109SBS01

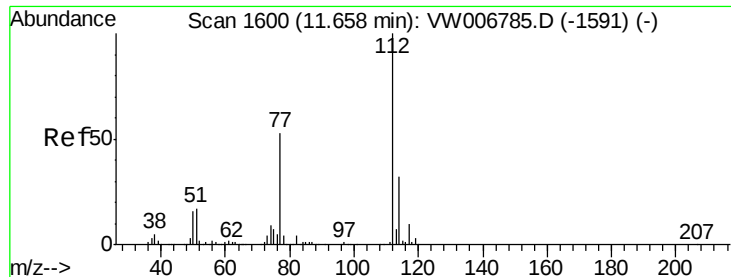
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	40.9	61.3
119	31.8	25.8	38.8



#64
Tetrachloroethene
Concen: 19.894 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006791.D
Acq: 09 Nov 2018 17:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	103.7	155.5
129	88.3	70.4	105.6
131	85.9	68.2	102.2

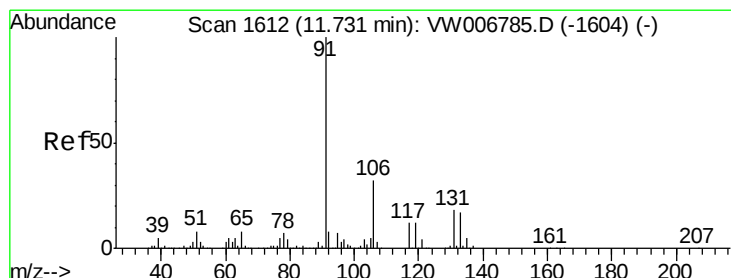
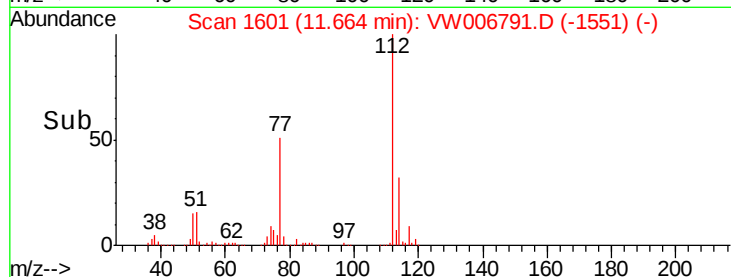
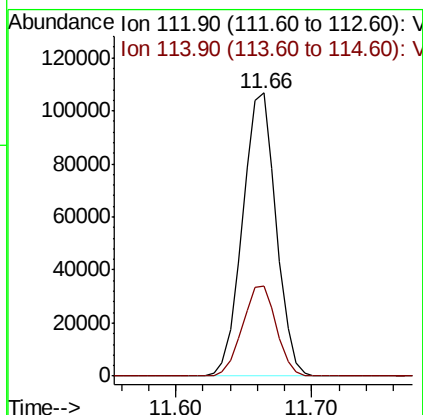
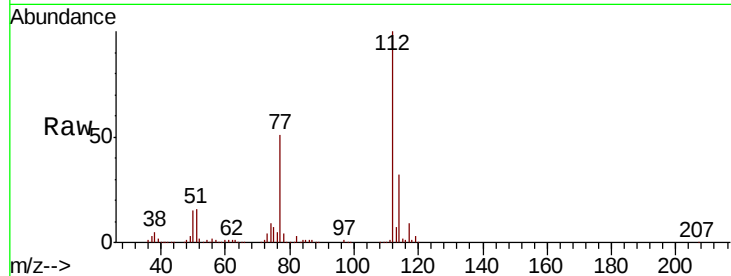




#65
Chlorobenzene
Concen: 20.239 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VW006791.D
Acq: 09 Nov 2018 17:41

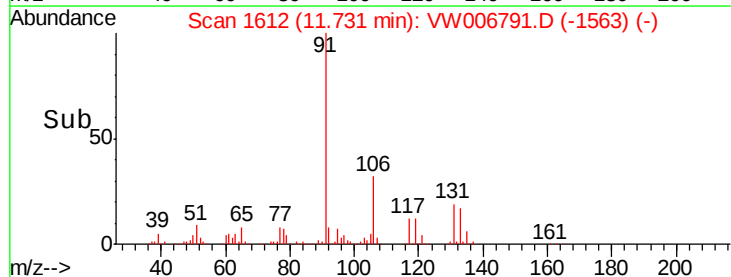
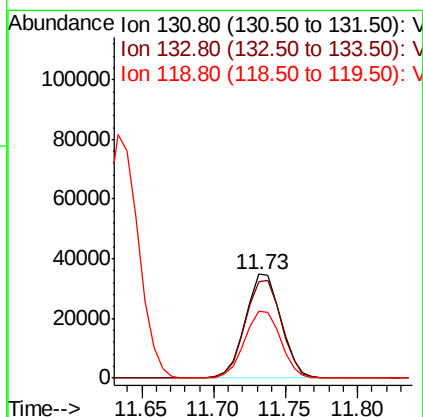
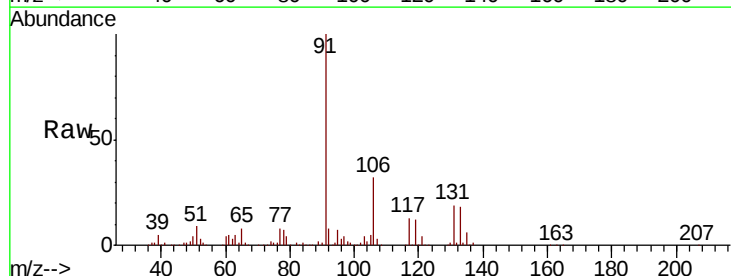
Instrument :
MSVOA_W
ClientSampleId :
VW1109SBS01

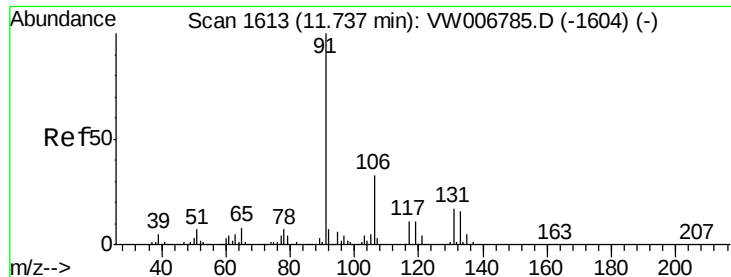
Tot Ion:112 Resp: 183439
Ion Ratio Lower Upper
112 100
114 31.8 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.518 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW006791.D
Acq: 09 Nov 2018 17:41

Tgt Ion:131 Resp: 59574
Ion Ratio Lower Upper
131 100
133 95.9 47.9 143.6
119 65.4 32.3 96.8

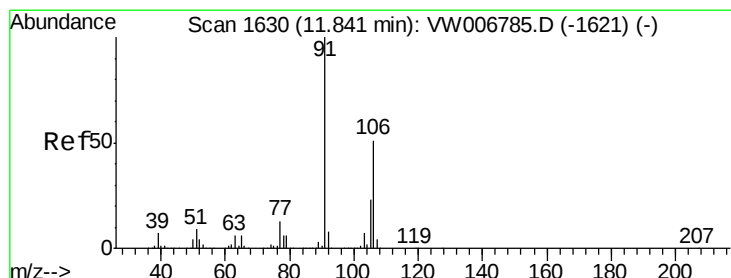
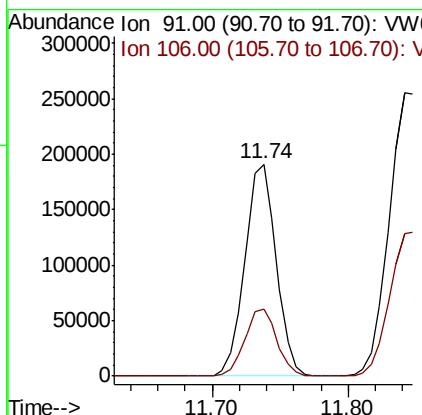
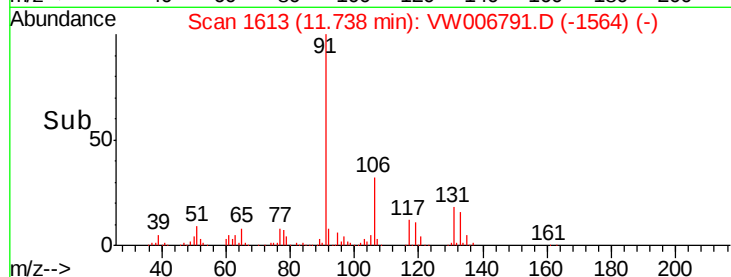
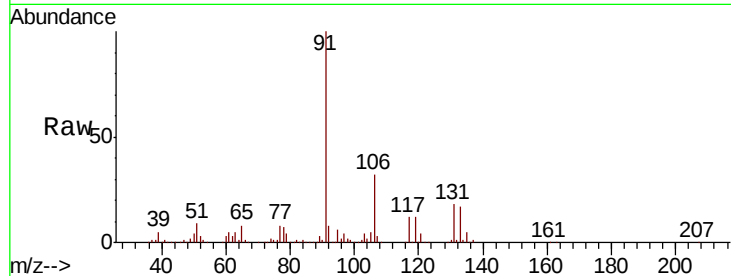




#67
Ethyl Benzene
Concen: 20.162 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006791.D
Acq: 09 Nov 2018 17:41

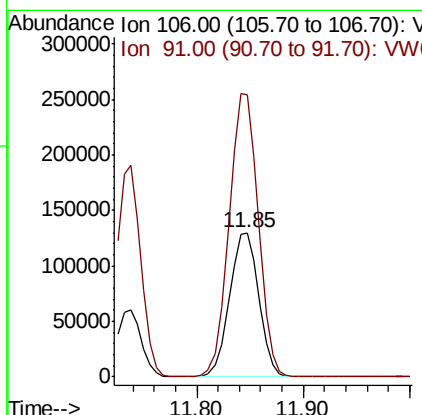
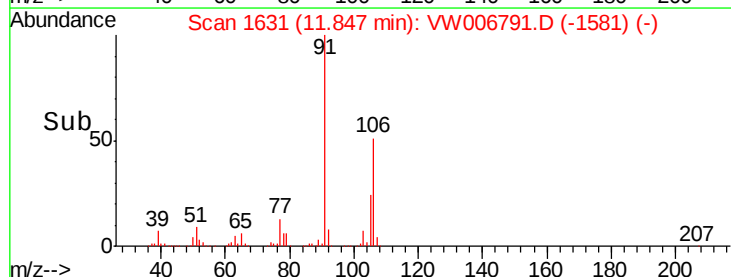
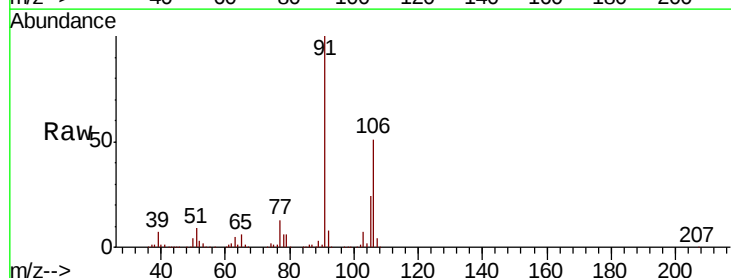
Instrument :
MSVOA_W
ClientSampleId :
VW1109SBS01

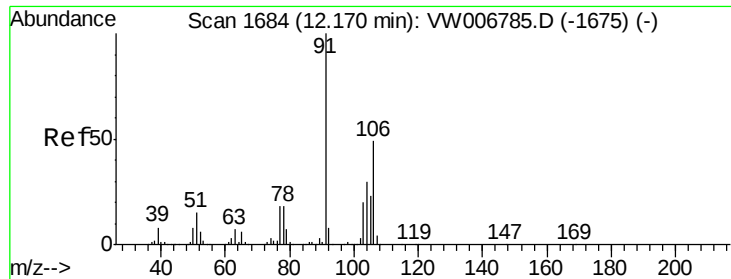
Tot Ion: 91 Resp: 307429
Ion Ratio Lower Upper
91 100
106 31.9 26.3 39.5



#68
m/p-Xylenes
Concen: 40.141 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW006791.D
Acq: 09 Nov 2018 17:41

Tgt Ion: 106 Resp: 249654
Ion Ratio Lower Upper
106 100
91 195.6 155.3 232.9

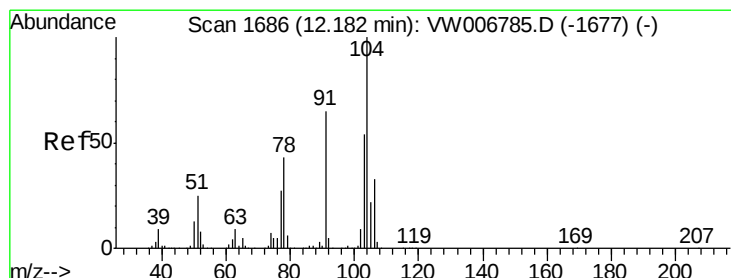
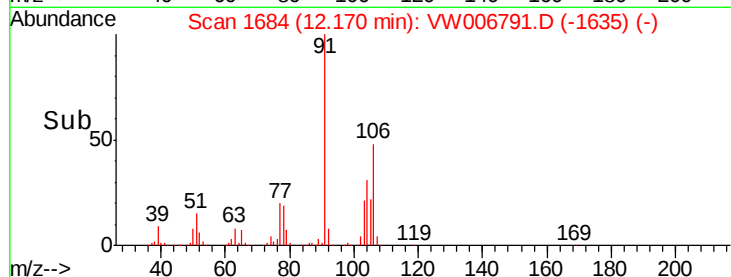
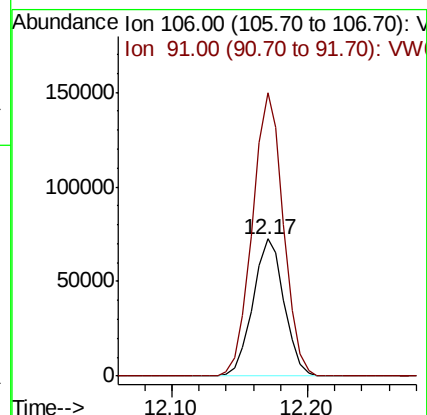
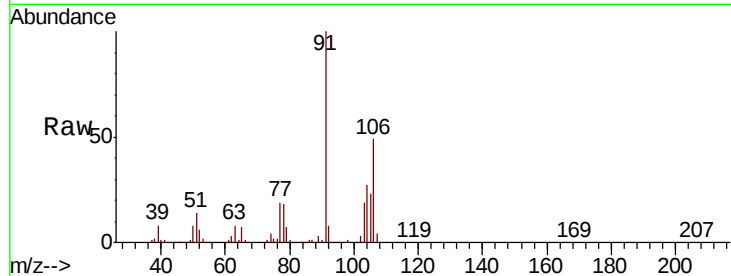




#69
o-Xylene
Concen: 20.441 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006791.D
Acq: 09 Nov 2018 17:41

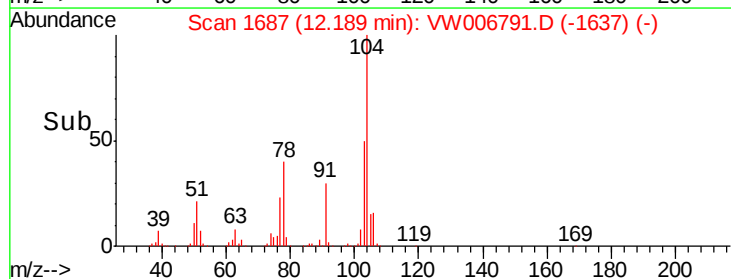
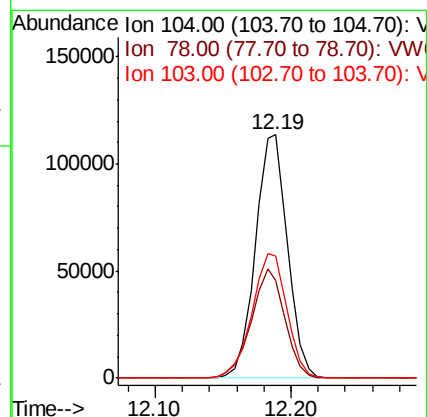
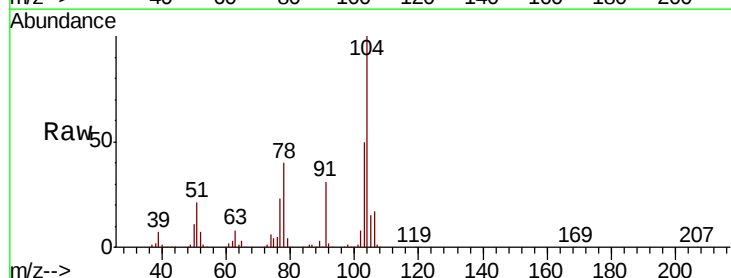
Instrument :
MSVOA_W
ClientSampleId :
VW1109SBS01

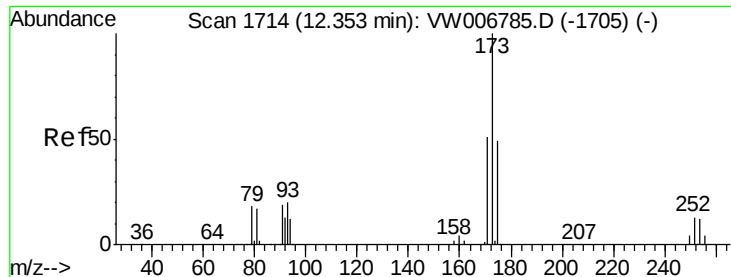
Tot Ion:106 Resp: 117043
Ion Ratio Lower Upper
106 100
91 204.5 103.0 308.9



#70
Styrene
Concen: 20.210 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VW006791.D
Acq: 09 Nov 2018 17:41

Tgt Ion:104 Resp: 188092
Ion Ratio Lower Upper
104 100
78 46.9 37.1 55.7
103 55.6 44.4 66.6

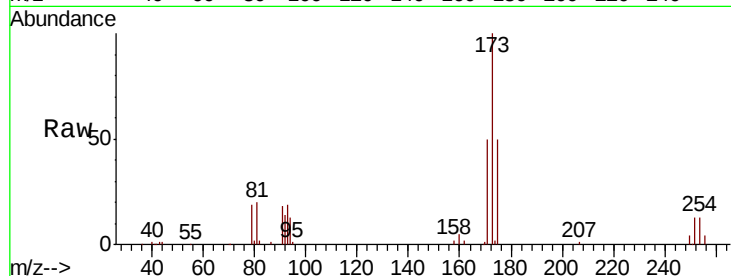




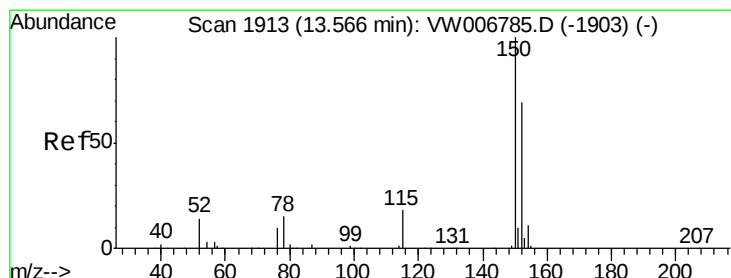
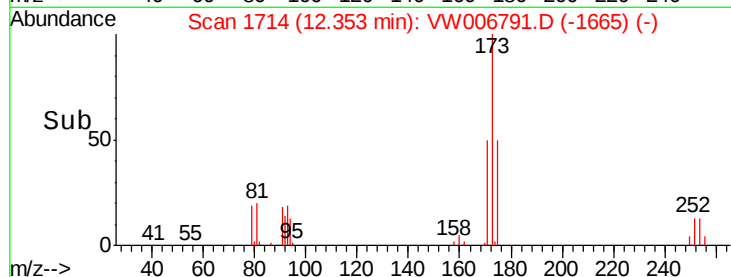
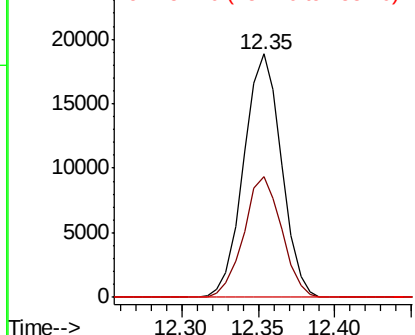
#71
Bromoform
Concen: 20.055 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW006791.D
Acq: 09 Nov 2018 17:41

Instrument :
MSVOA_W
ClientSampleId :
VW1109SBS01

Tot Ion:173 Resp: 32256
Ion Ratio Lower Upper
173 100
175 49.8 24.3 72.8
254 0.1 0.1 0.1#

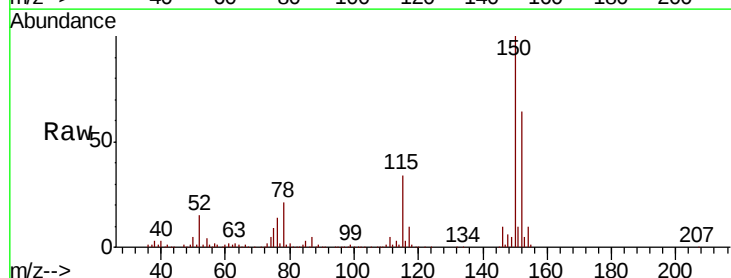


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

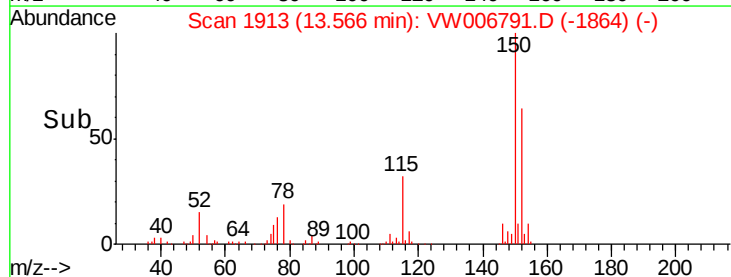
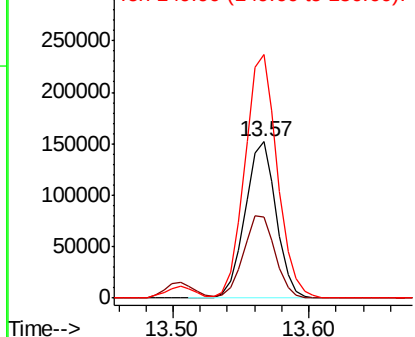


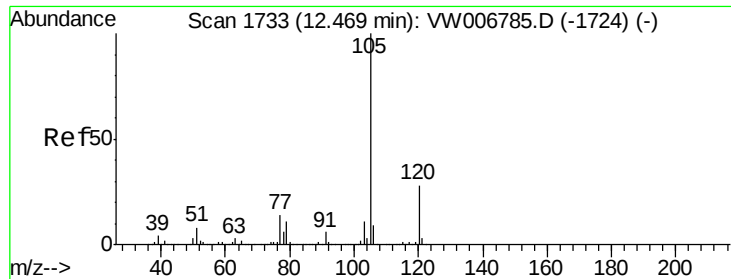
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006791.D
Acq: 09 Nov 2018 17:41

Tgt Ion:152 Resp: 241153
Ion Ratio Lower Upper
152 100
115 54.0 26.7 80.0
150 163.6 0.0 348.0



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: 20.330 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006791.D

Acq: 09 Nov 2018 17:41

Instrument :

MSVOA_W

ClientSampleId :

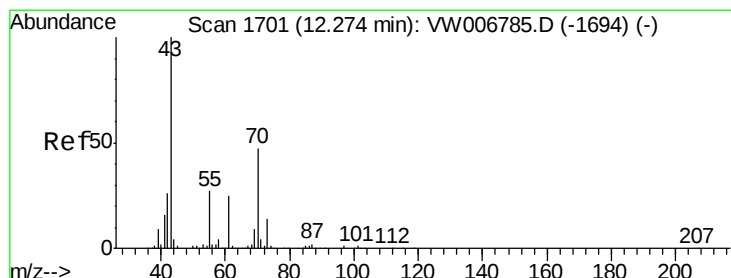
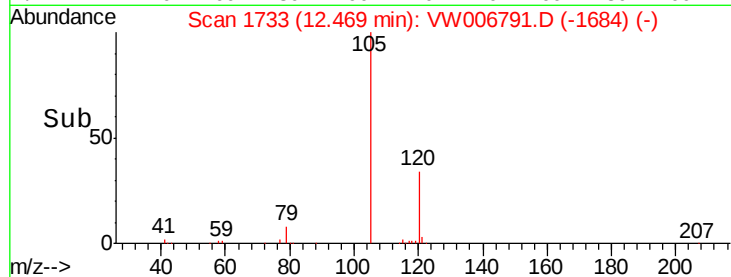
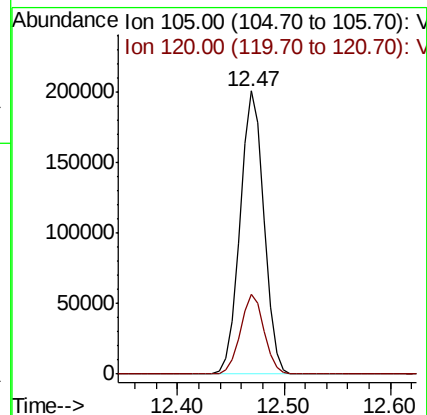
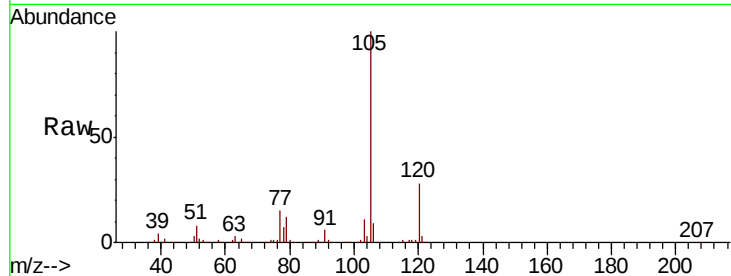
VW1109SBS01

Tot Ion:105 Resp: 315435

Ion Ratio Lower Upper

105 100

120 27.9 13.9 41.6



#74

N-ethyl acetate

Concen: 20.744 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.01 min

Lab File: VW006791.D

Acq: 09 Nov 2018 17:41

Tgt Ion: 43 Resp: 52462

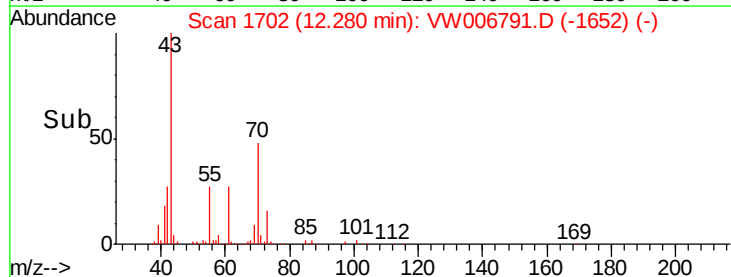
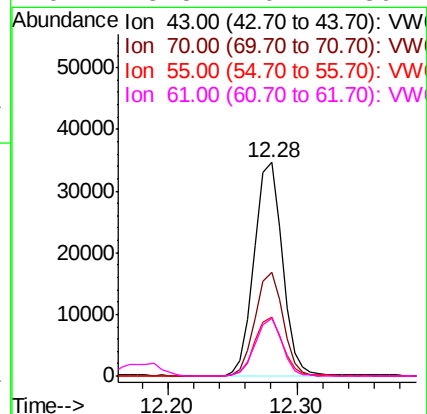
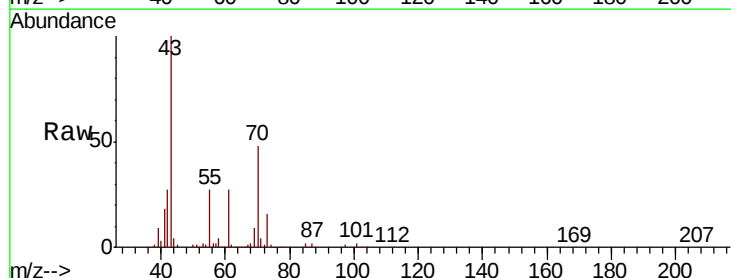
Ion Ratio Lower Upper

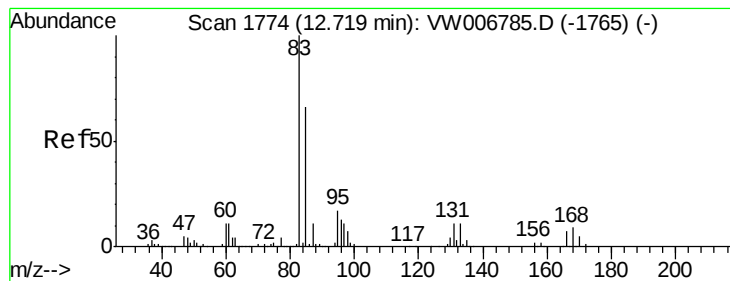
43 100

70 47.9 38.3 57.5

55 27.4 22.3 33.5

61 25.8 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.916 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006791.D

Acq: 09 Nov 2018 17:41

Instrument :

MSVOA_W

ClientSampleId :

VW1109SBS01

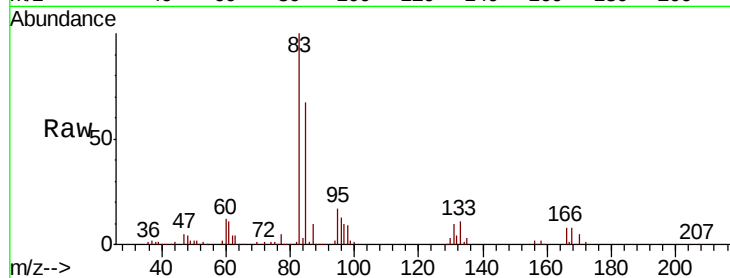
Tot Ion: 83 Resp: 48350

Ion	Ratio	Lower	Upper
83	100		
131	11.3	6.0	18.0
85	64.8	32.3	96.8

83 100

131 11.3 6.0 18.0

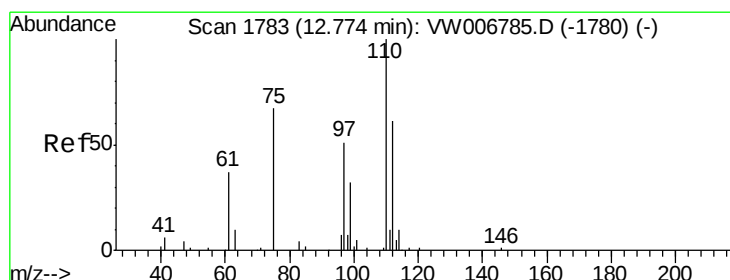
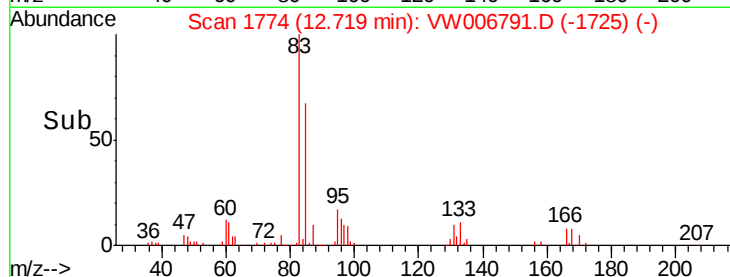
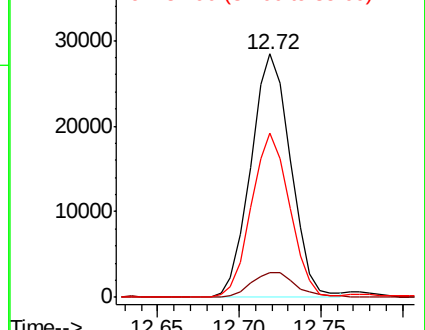
85 64.8 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 35.320 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006791.D

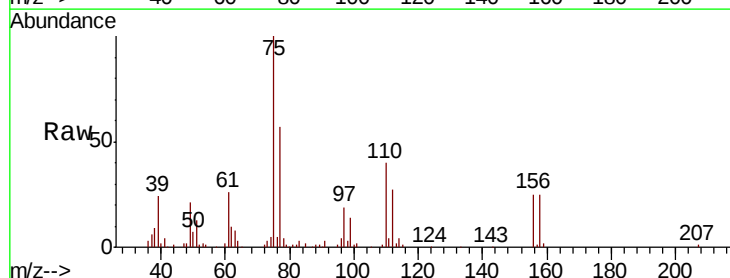
Acq: 09 Nov 2018 17:41

Tgt Ion: 75 Resp: 62114

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

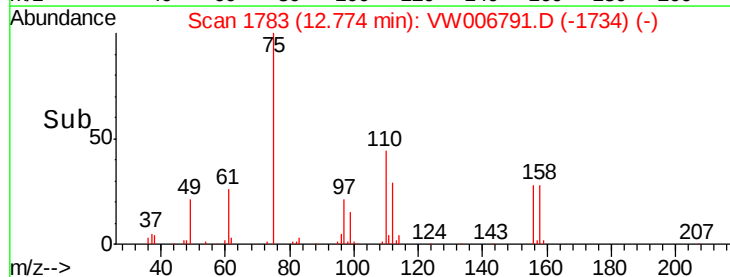
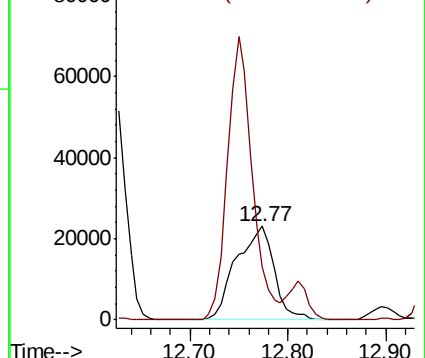
75 100

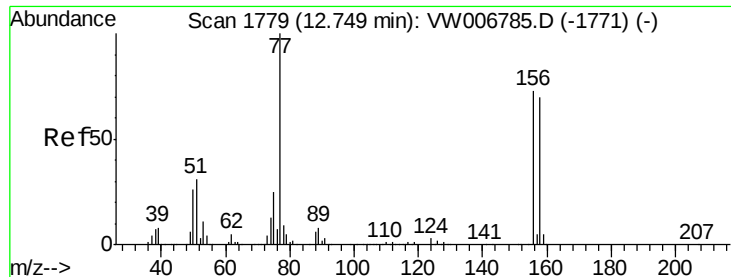
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.525 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006791.D

Acq: 09 Nov 2018 17:41

Instrument :

MSVOA_W

ClientSampleId :

VW1109SBS01

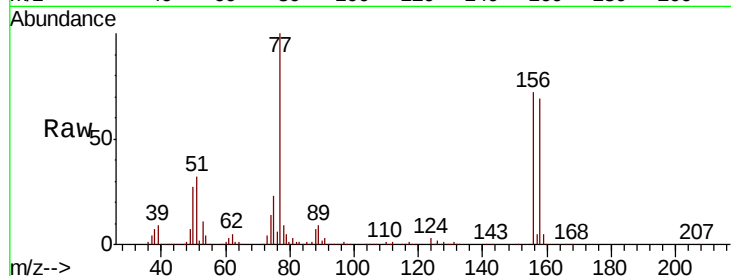
Tot Ion:156 Resp: 82344

Ion Ratio Lower Upper

156 100

77 150.7 75.4 226.3

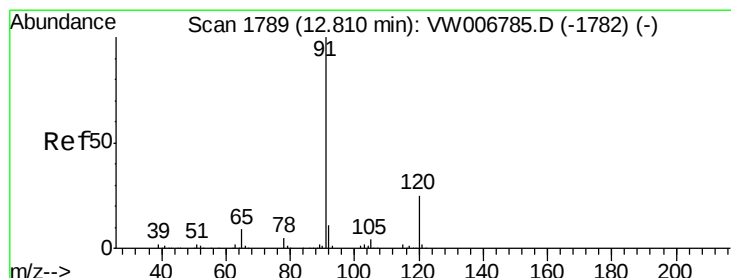
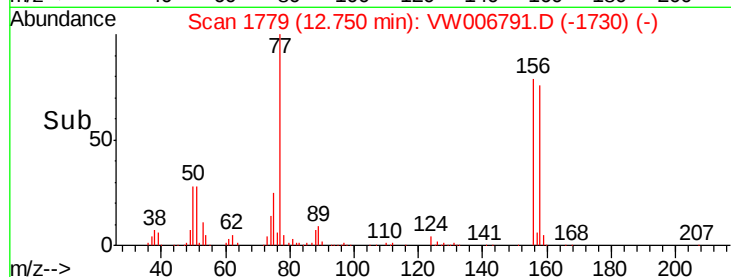
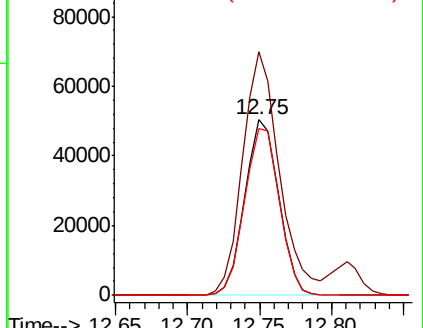
158 97.5 48.7 146.1



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.355 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006791.D

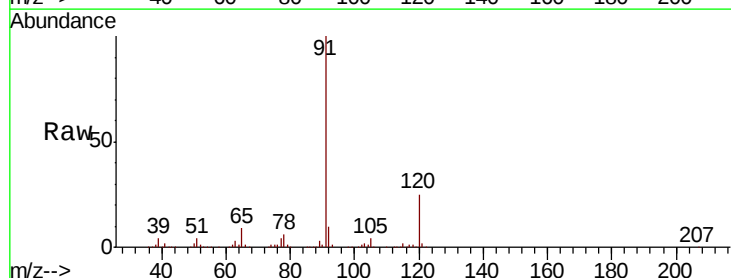
Acq: 09 Nov 2018 17:41

Tgt Ion: 91 Resp: 375267

Ion Ratio Lower Upper

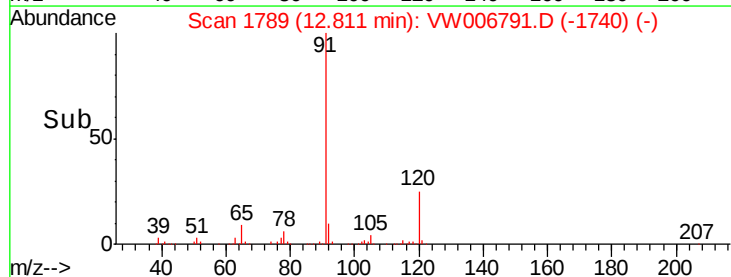
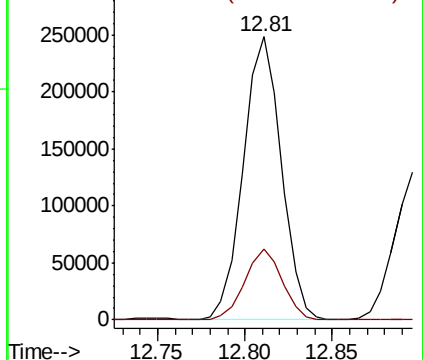
91 100

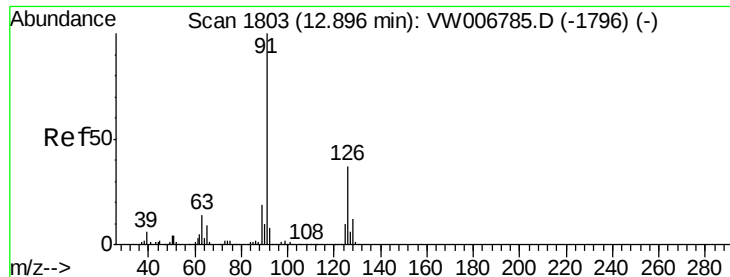
120 24.6 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.336 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006791.D

Acq: 09 Nov 2018 17:41

Instrument :

MSVOA_W

ClientSampleId :

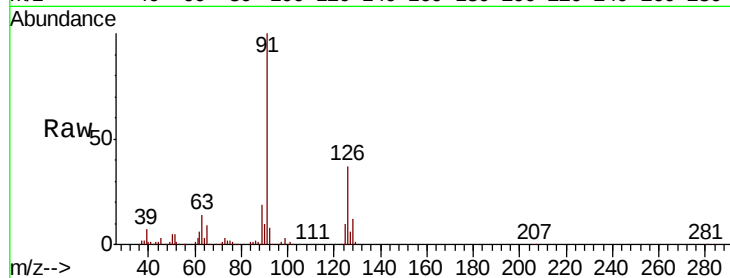
VW1109SBS01

Tot Ion: 91 Resp: 211200

Ion Ratio Lower Upper

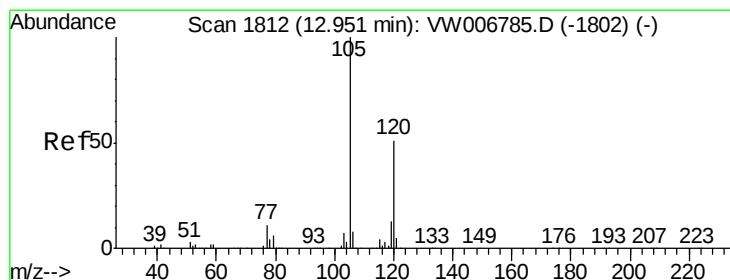
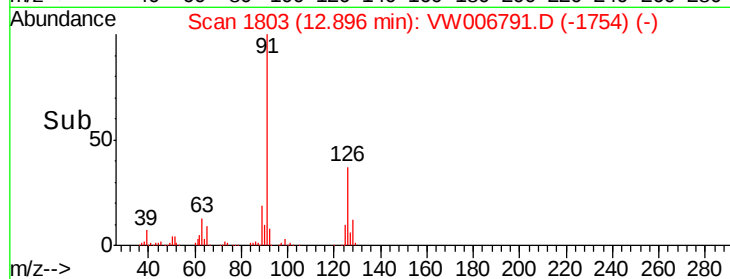
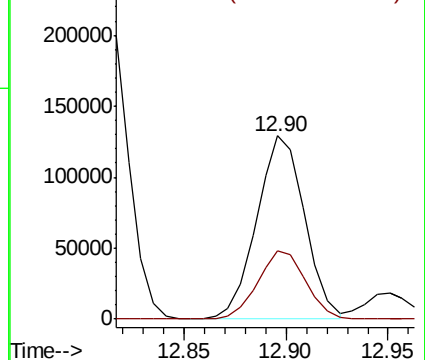
91 100

126 37.1 18.4 55.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.300 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006791.D

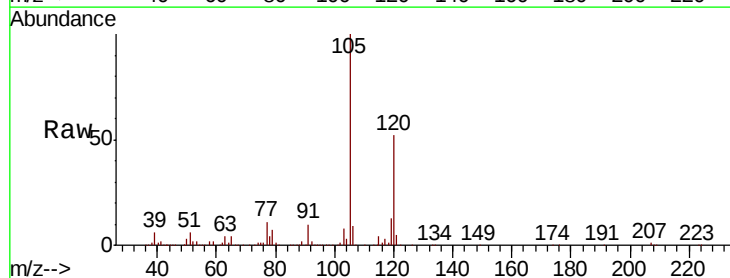
Acq: 09 Nov 2018 17:41

Tgt Ion:105 Resp: 272900

Ion Ratio Lower Upper

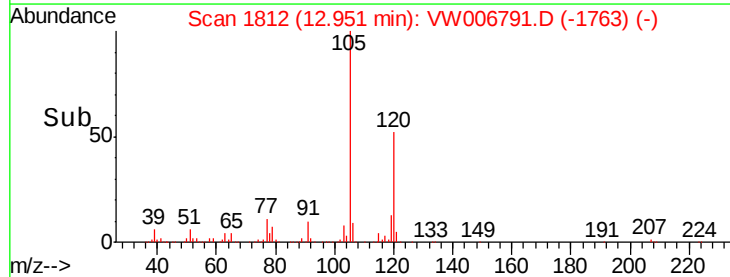
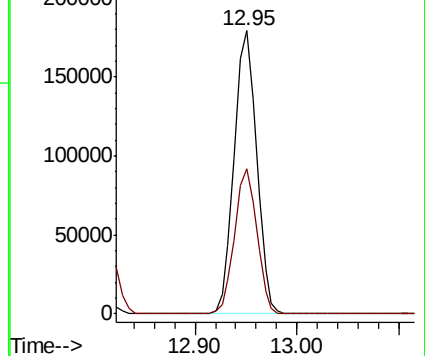
105 100

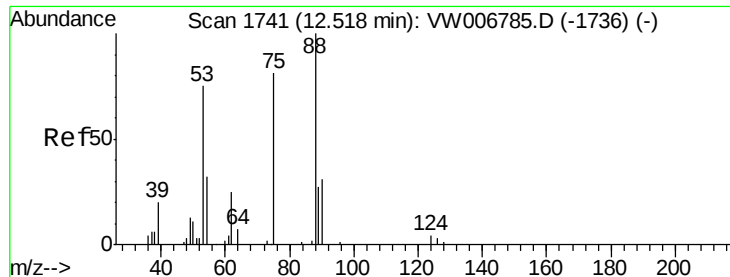
120 50.9 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

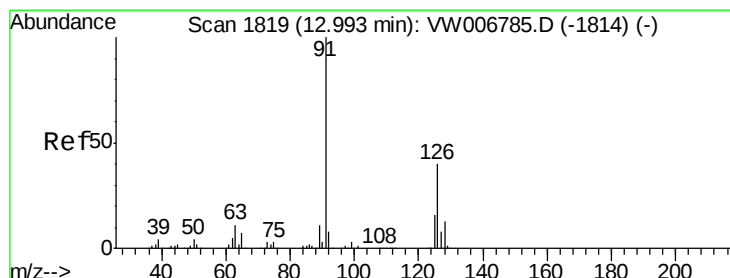
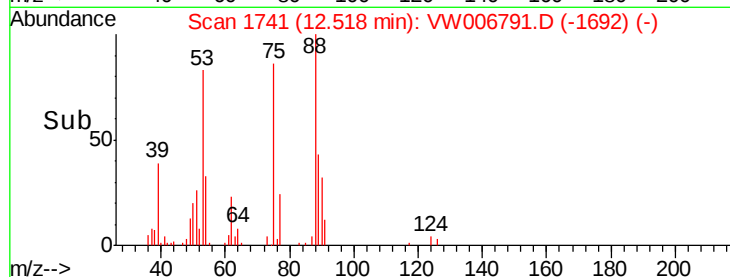
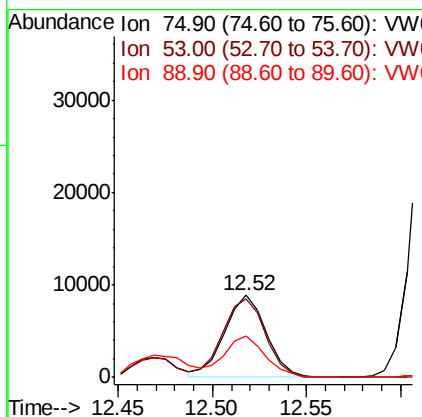
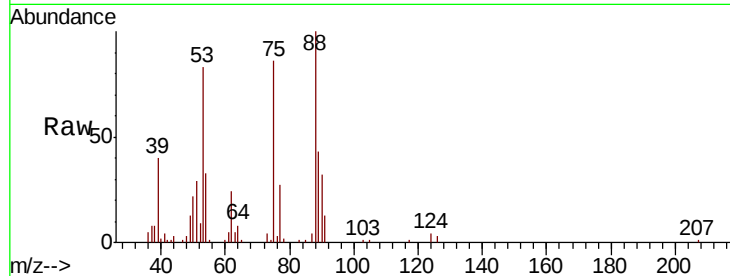




#81
trans-1,4-Dichloro-2-butene
Concen: 20.571 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW006791.D
Acq: 09 Nov 2018 17:41

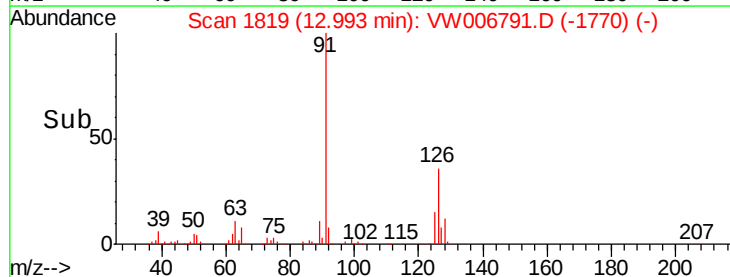
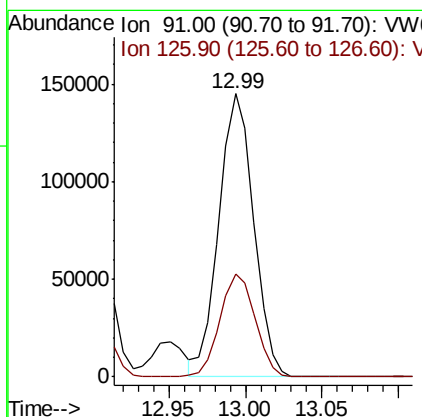
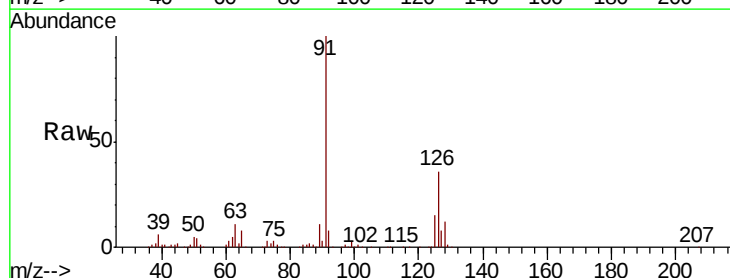
Instrument :
MSVOA_W
ClientSampleId :
VW1109SBS01

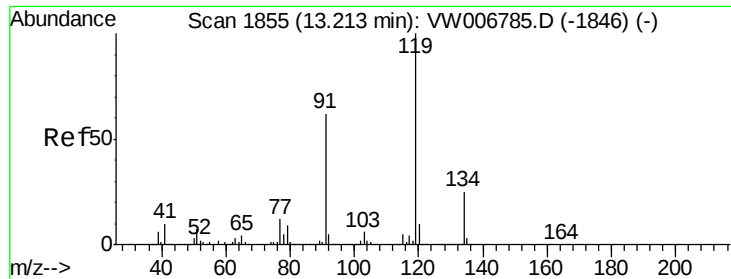
Tot Ion: 75 Resp: 13606
Ion Ratio Lower Upper
75 100
53 98.7 74.0 111.0
89 50.3 38.1 57.1



#82
4-Chlorotoluene
Concen: 20.611 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW006791.D
Acq: 09 Nov 2018 17:41

Tgt Ion: 91 Resp: 228778
Ion Ratio Lower Upper
91 100
126 36.7 18.6 55.6

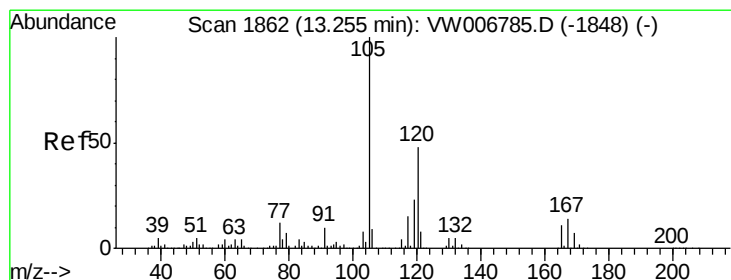
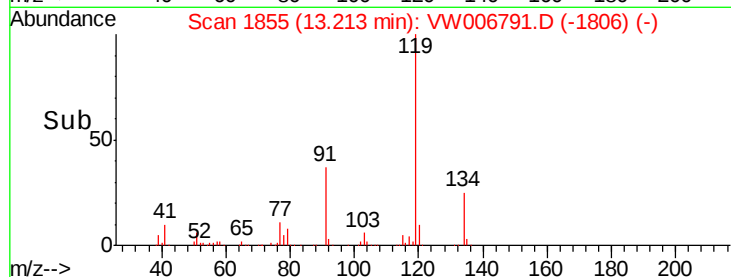
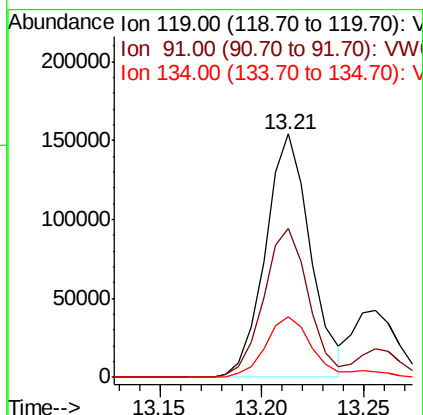
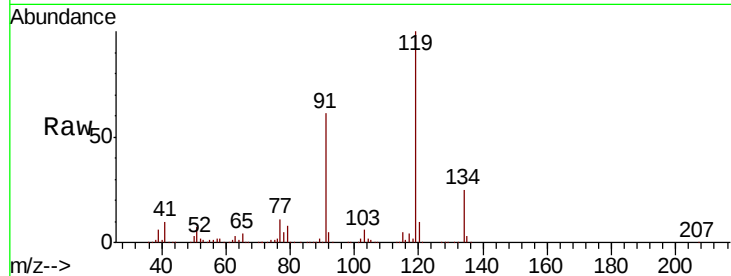




#83
tert-Butylbenzene
Concen: 20.340 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW006791.D
Acq: 09 Nov 2018 17:41

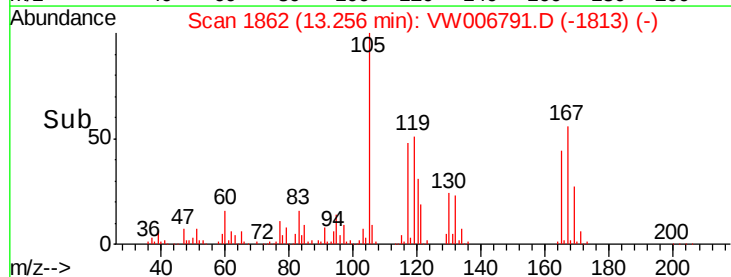
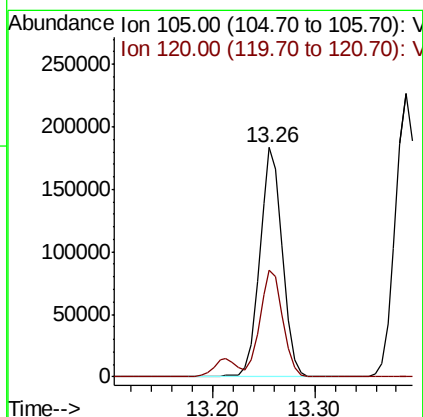
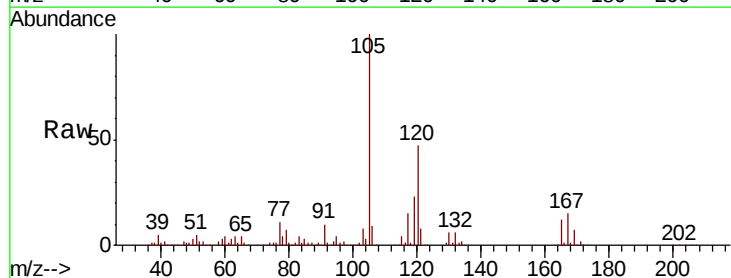
Instrument :
MSVOA_W
ClientSampleId :
VW1109SBS01

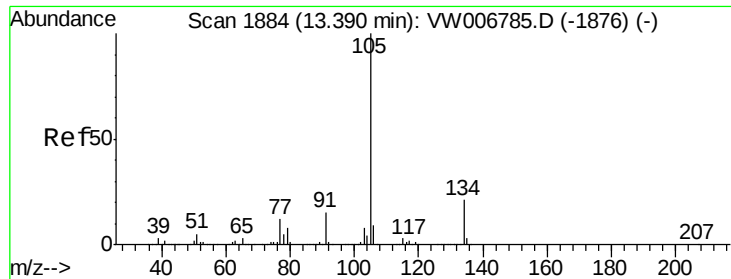
Tot Ion:119 Resp: 236280
Ion Ratio Lower Upper
119 100
91 61.4 30.4 91.2
134 25.3 13.6 40.7



#84
1,2,4-Trimethylbenzene
Concen: 20.533 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006791.D
Acq: 09 Nov 2018 17:41

Tgt Ion:105 Resp: 282820
Ion Ratio Lower Upper
105 100
120 46.7 23.4 70.0





#85

sec-Butylbenzene

Concen: 20.432 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006791.D

Acq: 09 Nov 2018 17:41

Instrument :

MSVOA_W

ClientSampleId :

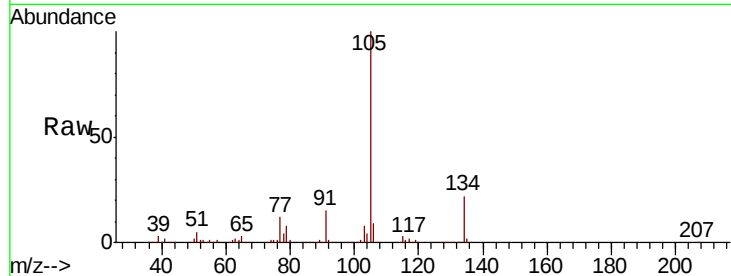
VW1109SBS01

Tot Ion:105 Resp: 339686

Ion Ratio Lower Upper

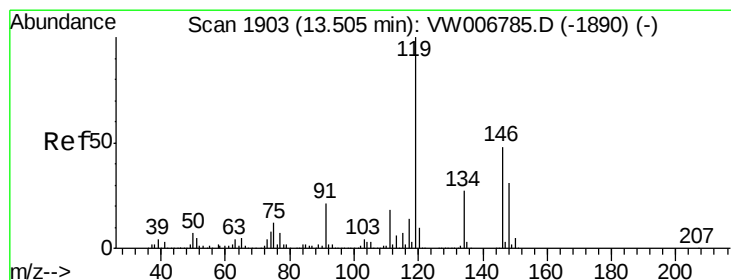
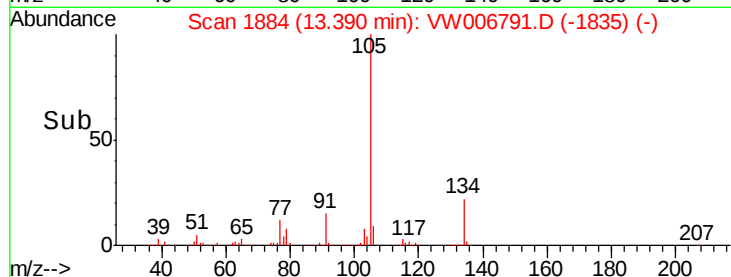
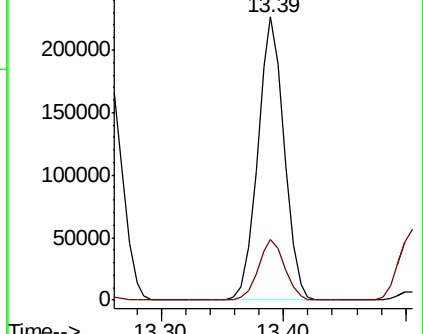
105 100

134 21.3 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.405 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006791.D

Acq: 09 Nov 2018 17:41

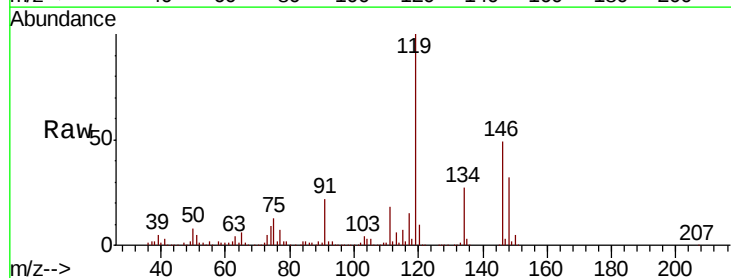
Tgt Ion:119 Resp: 309433

Ion Ratio Lower Upper

119 100

134 27.2 13.6 40.7

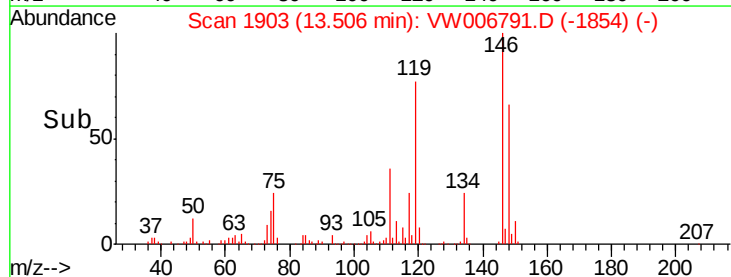
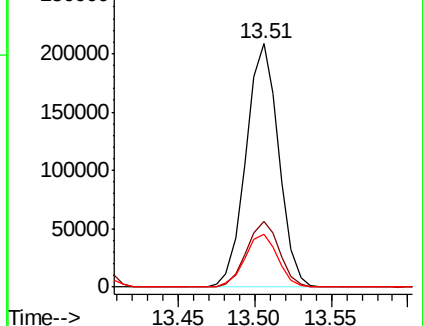
91 21.9 10.8 32.4

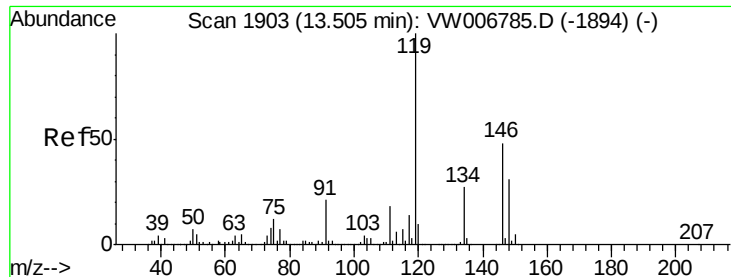


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

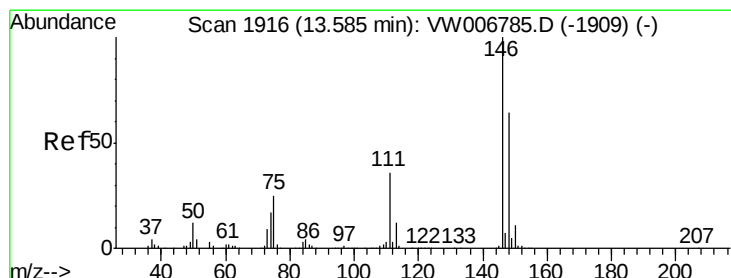
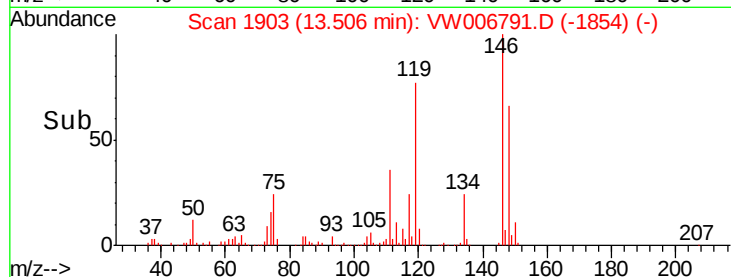
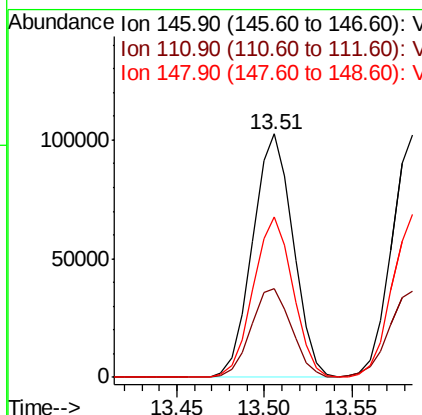
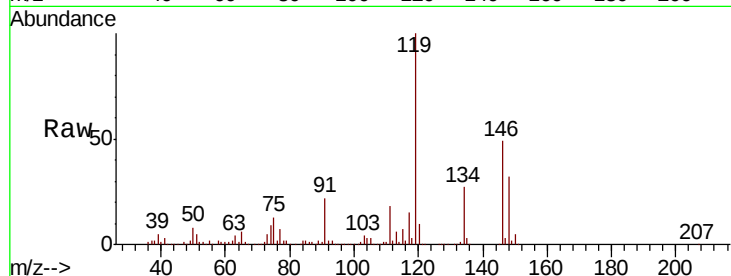




#87
 1,3-Dichlorobenzene
 Concen: 20.245 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006791.D
 Acq: 09 Nov 2018 17:41

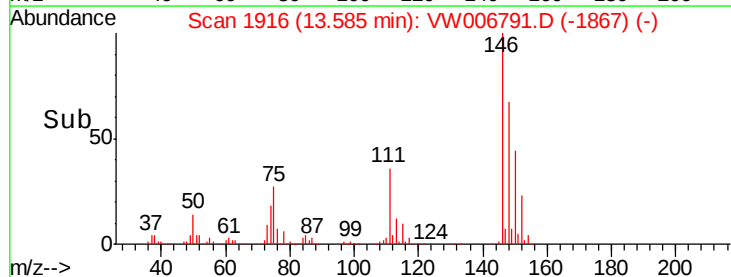
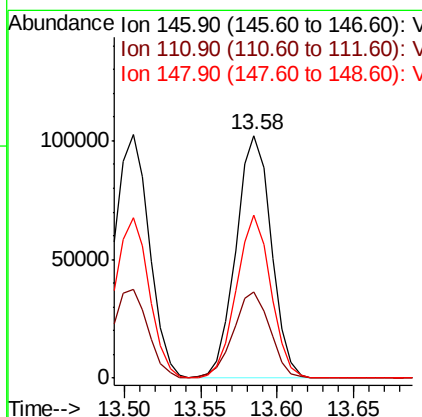
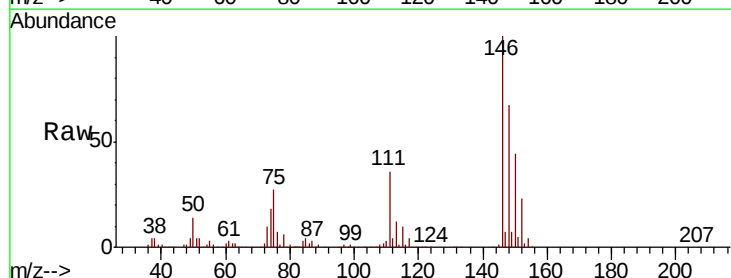
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1109SBS01

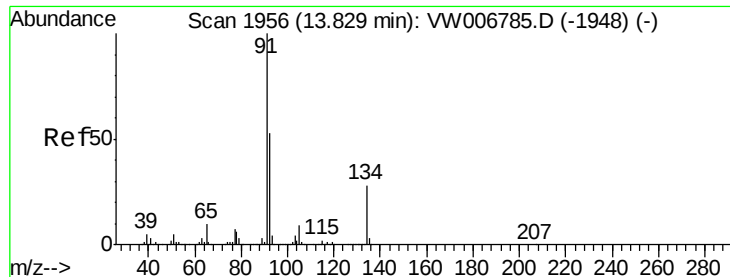
Tot Ion:146 Resp: 165010
 Ion Ratio Lower Upper
 146 100
 111 36.5 18.4 55.0
 148 64.6 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 20.203 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006791.D
 Acq: 09 Nov 2018 17:41

Tgt Ion:146 Resp: 164005
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.1 54.1
 148 65.4 32.2 96.6





#89

n-Butylbenzene

Concen: 20.079 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006791.D

Acq: 09 Nov 2018 17:41

Instrument :

MSVOA_W

ClientSampleId :

VW1109SBS01

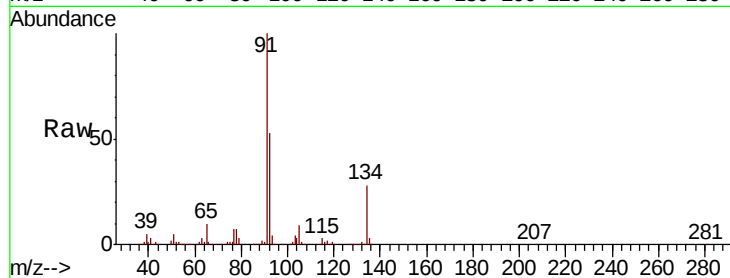
Tot Ion: 91 Resp: 281040

Ion Ratio Lower Upper

91 100

92 53.2 26.1 78.2

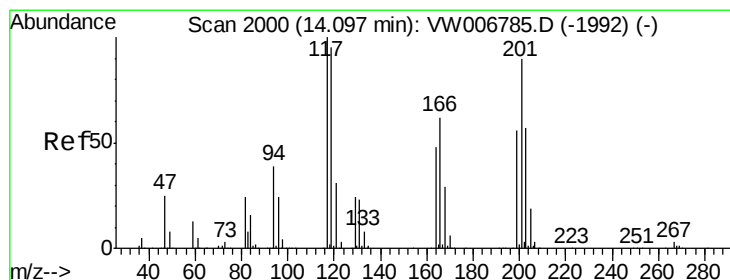
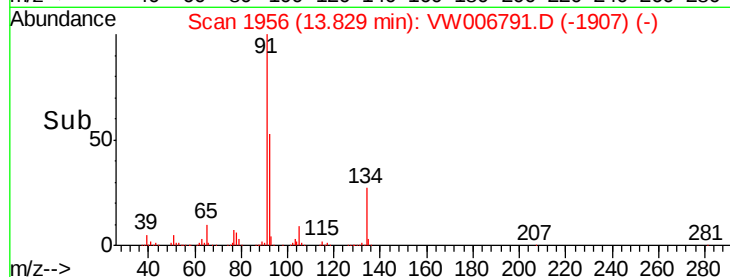
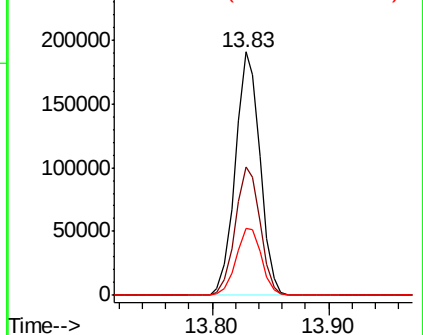
134 28.5 14.2 42.8



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: 20.382 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW006791.D

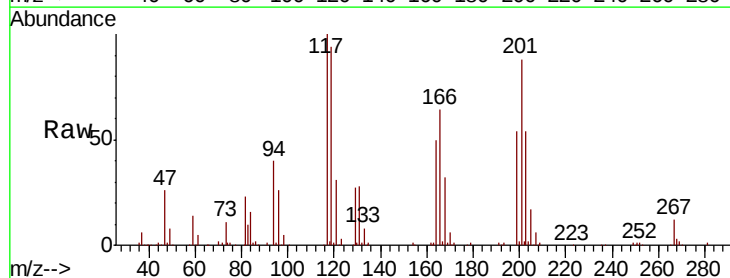
Acq: 09 Nov 2018 17:41

Tgt Ion: 117 Resp: 48492

Ion Ratio Lower Upper

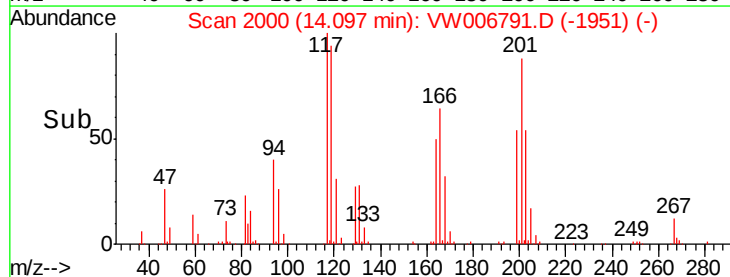
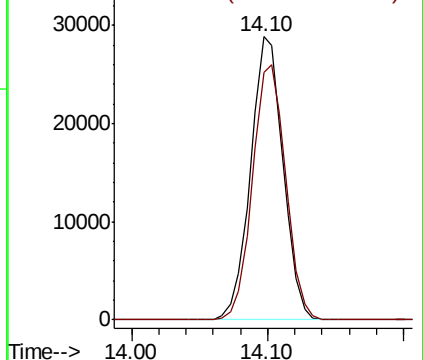
117 100

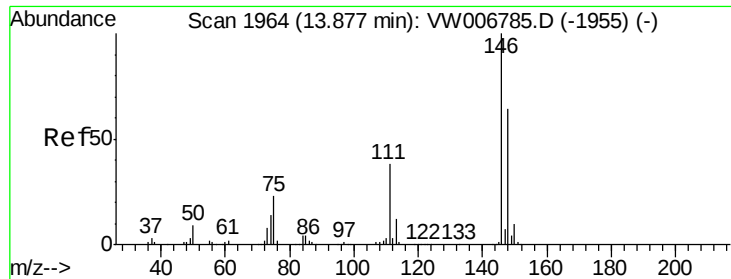
201 91.7 47.0 141.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.331 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006791.D

Acq: 09 Nov 2018 17:41

Instrument :

MSVOA_W

ClientSampleId :

VW1109SBS01

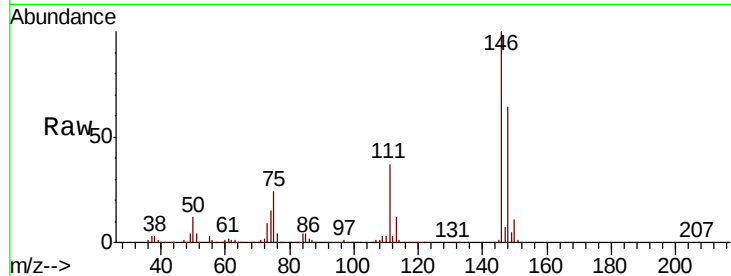
Tot Ion:146 Resp: 144965

Ion Ratio Lower Upper

146 100

111 38.0 19.1 57.3

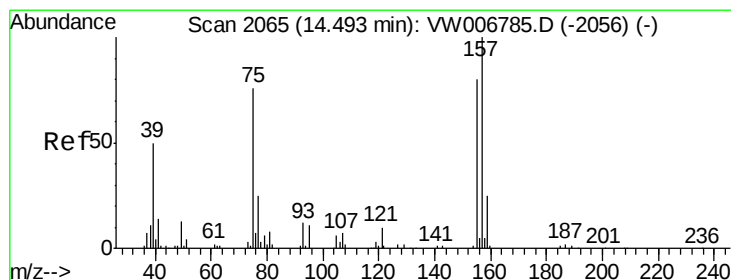
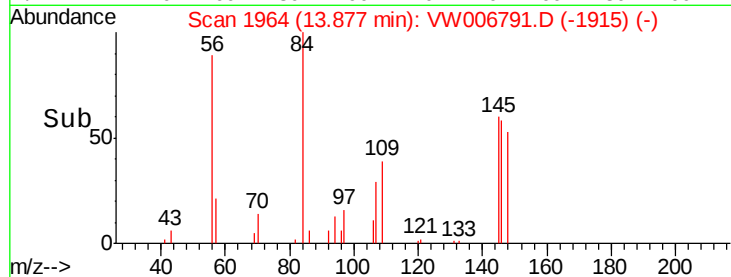
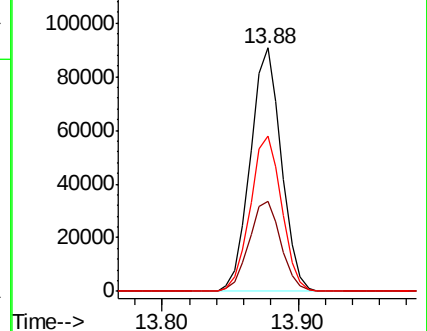
148 64.9 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.517 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

Lab File: VW006791.D

Acq: 09 Nov 2018 17:41

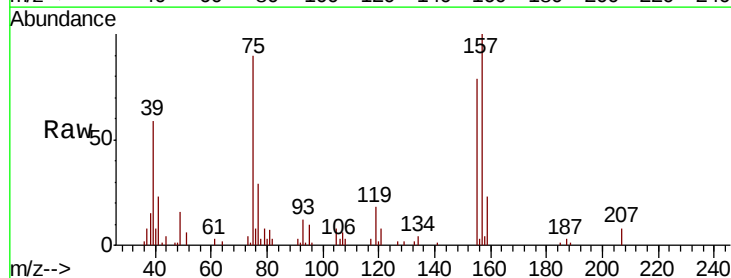
Tgt Ion: 75 Resp: 7658

Ion Ratio Lower Upper

75 100

155 104.0 51.0 153.1

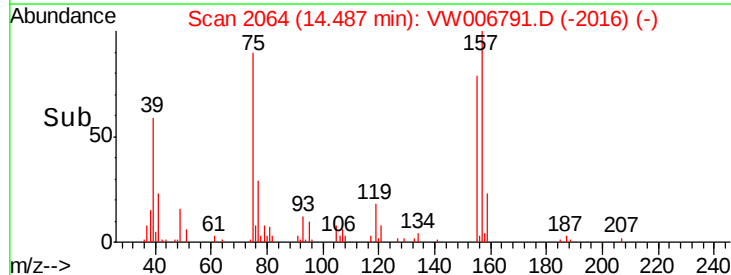
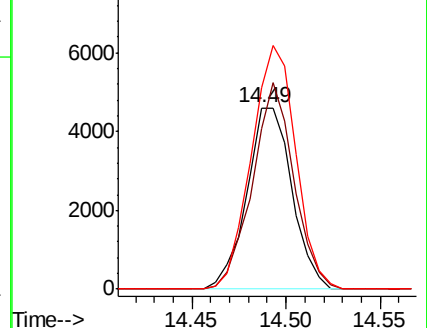
157 131.6 65.5 196.5

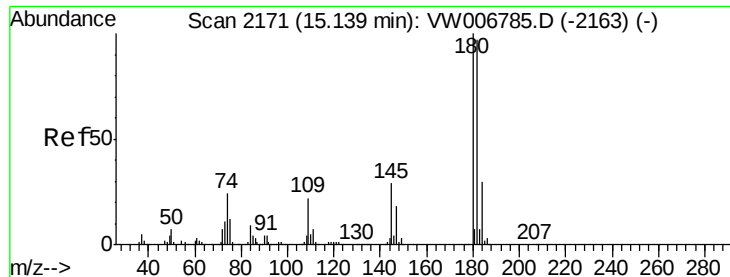


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

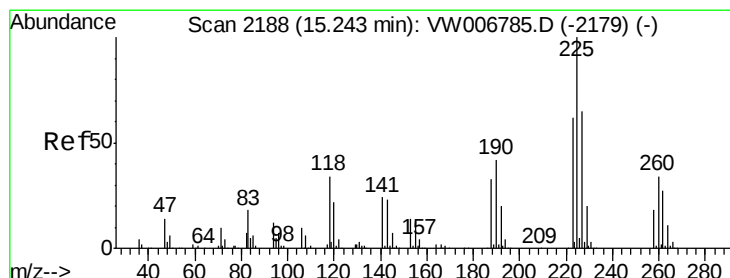
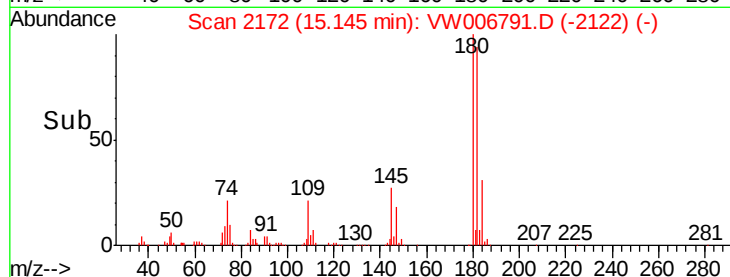
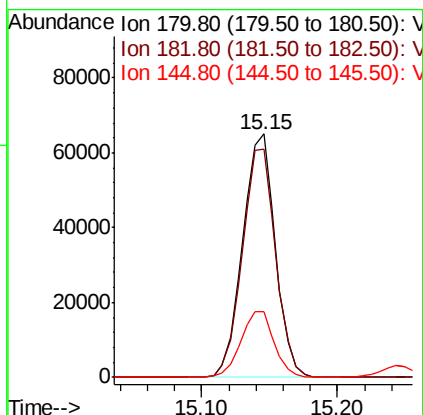
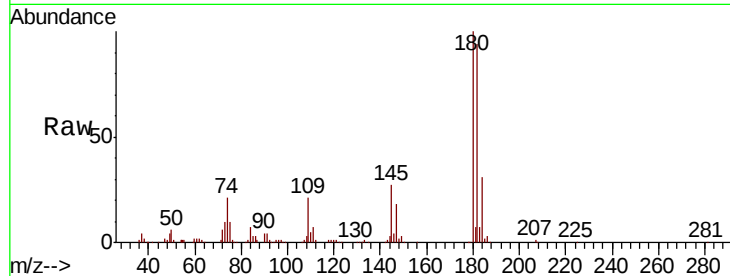




#93
 1,2,4-Trichlorobenzene
 Concen: 20.632 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.01 min
 Lab File: VW006791.D
 Acq: 09 Nov 2018 17:41

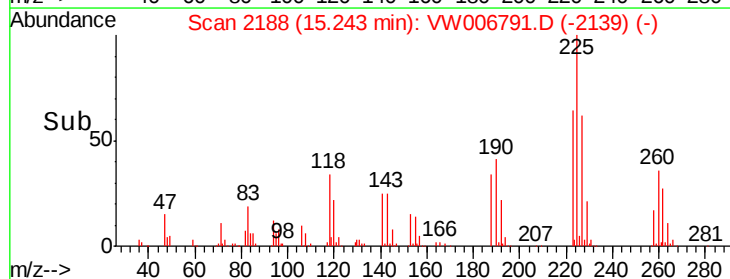
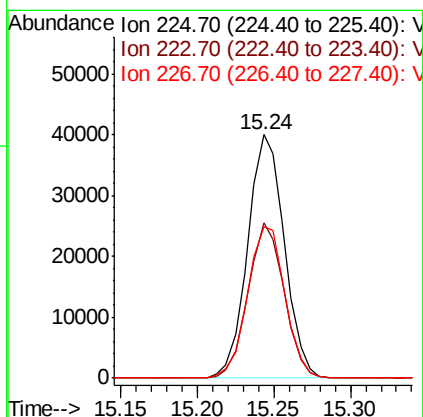
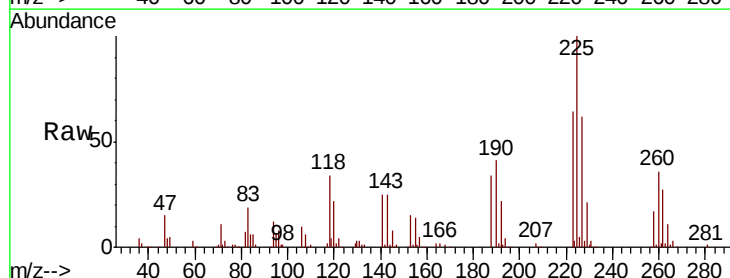
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1109SBS01

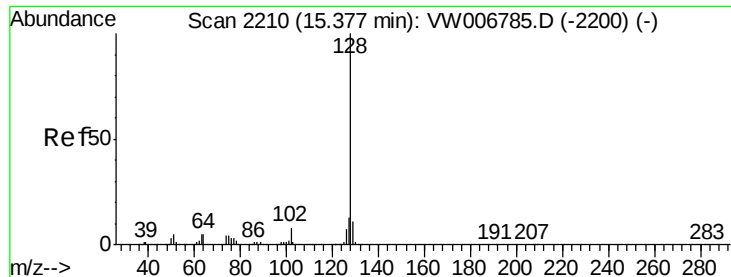
Tot Ion:180 Resp: 108905
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.9 143.8
 145 27.6 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 19.994 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006791.D
 Acq: 09 Nov 2018 17:41

Tgt Ion:225 Resp: 66418
 Ion Ratio Lower Upper
 225 100
 223 62.8 30.9 92.5
 227 63.9 31.9 95.7





#95

Naphthalene

Concen: 20.571 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW006791.D

Acq: 09 Nov 2018 17:41

Instrument :

MSVOA_W

ClientSampleId :

VW1109SBS01

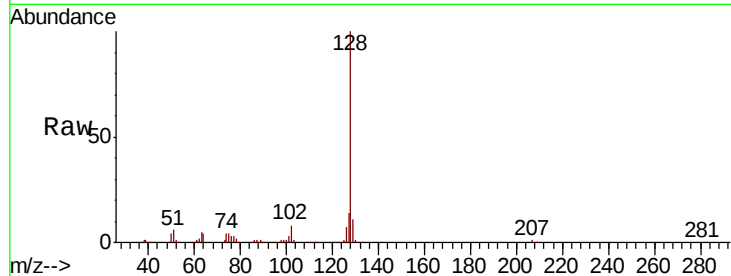
Tot Ion:128 Resp: 166143

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

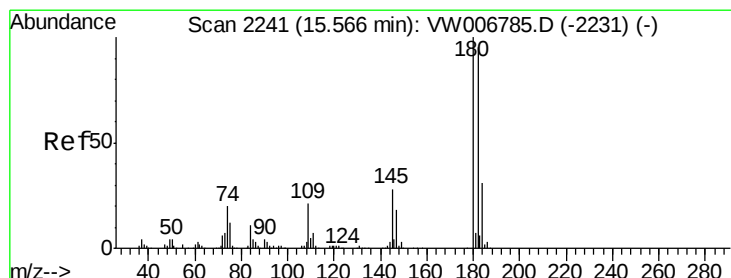
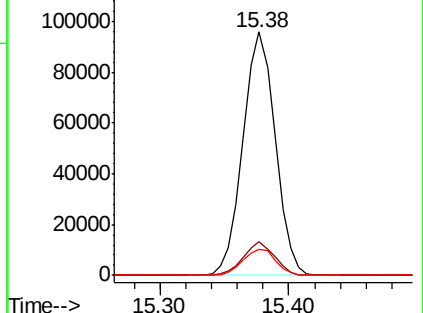
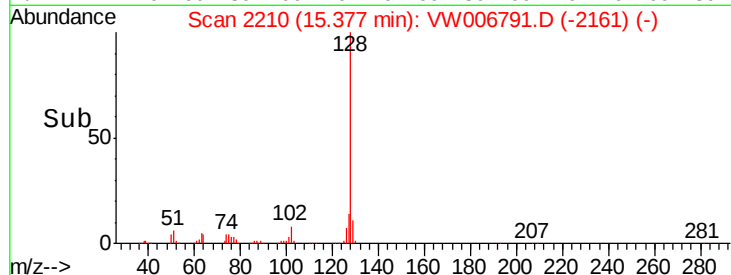
129 10.9 8.8 13.2



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: 20.711 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW006791.D

Acq: 09 Nov 2018 17:41

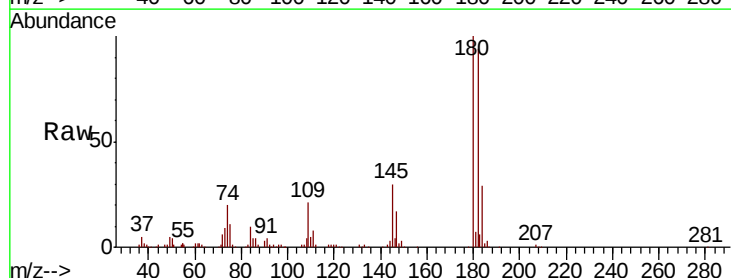
Tgt Ion:180 Resp: 94569

Ion Ratio Lower Upper

180 100

182 94.8 47.8 143.4

145 29.7 14.5 43.6



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

