

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV100219\
 Data File : VW013377.D
 Acq On : 02 Oct 2019 14:45
 Operator : SY/VA
 Sample : VW1002SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 02 16:09:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	324427	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	450725	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	386144	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	198500	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	129650	53.52	ug/l	0.00
Spiked Amount						
			Recovery	=	107.04%	
35) Dibromofluoromethane	7.88	113	126166	53.35	ug/l	0.00
Spiked Amount						
			Recovery	=	106.70%	
50) Toluene-d8	10.32	98	522802	53.27	ug/l	0.00
Spiked Amount						
			Recovery	=	106.54%	
62) 4-Bromofluorobenzene	12.62	95	177432	54.14	ug/l	0.00
Spiked Amount						
			Recovery	=	108.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	23658	18.853	ug/l	98
3) Chloromethane	2.20	50	39820	19.230	ug/l	98
4) Vinyl Chloride	2.36	62	55409	18.855	ug/l	99
5) Bromomethane	2.76	94	32436	17.965	ug/l	98
6) Chloroethane	2.91	64	29208	17.212	ug/l	99
7) Trichlorofluoromethane	3.25	101	22560	17.695	ug/l	96
8) Diethyl Ether	3.67	74	29362	19.897	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	53246	18.837	ug/l	97
10) Methyl Iodide	4.26	142	82473	18.067	ug/l	99
11) Tert butyl alcohol	5.18	59	22232	95.961	ug/l #	94
12) 1,1-Dichloroethene	4.03	96	55978	18.744	ug/l	99
13) Acrolein	3.89	56	28057	120.286	ug/l	98
14) Allyl chloride	4.66	41	79411	17.974	ug/l	98
15) Acrylonitrile	5.36	53	74176	111.193	ug/l	98
16) Acetone	4.12	43	66106	89.030	ug/l	89
17) Carbon Disulfide	4.38	76	154200	18.508	ug/l	99
18) Methyl Acetate	4.66	43	36244	20.855	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	85140	19.370	ug/l	99
20) Methylene Chloride	4.92	84	59789	18.148	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	59001	18.551	ug/l	98
22) Diisopropyl ether	6.31	45	156764	18.374	ug/l	98
23) Vinyl Acetate	6.24	43	522517	102.063	ug/l	99
24) 1,1-Dichloroethane	6.21	63	97211	18.706	ug/l	97
25) 2-Butanone	7.17	43	103243	108.665	ug/l	95
26) 2,2-Dichloropropane	7.17	77	62380	19.742	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	61292	18.411	ug/l	99
28) Bromochloromethane	7.51	49	32604	17.352	ug/l	92
29) Tetrahydrofuran	7.53	42	62936	119.165	ug/l	97
30) Chloroform	7.67	83	92468	18.146	ug/l	99
31) Cyclohexane	7.95	56	101210	18.262	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	74858	18.751	ug/l	99
36) 1,1-Dichloropropene	8.08	75	81139	19.382	ug/l	99
37) Ethyl Acetate	7.25	43	44514	24.170	ug/l	98
38) Carbon Tetrachloride	8.06	117	70814	19.527	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	106953	19.399	ug/l	98
40) Benzene	8.32	78	225163	19.000	ug/l	100
41) Methacrylonitrile	7.48	41	25649	23.024	ug/l	95
42) 1,2-Dichloroethane	8.40	62	61025	20.036	ug/l	100
43) Isopropyl Acetate	8.42	43	75485	21.707	ug/l	96
44) Trichloroethene	9.09	130	63090	18.905	ug/l	93
45) 1,2-Dichloropropane	9.37	63	54353	19.102	ug/l	96
46) Dibromomethane	9.46	93	28434	20.063	ug/l	100
47) Bromodichloromethane	9.64	83	65545	18.787	ug/l	99
48) Methyl methacrylate	9.43	41	37490	22.438	ug/l	96
49) 1,4-Dioxane	9.46	88	11594	520.482	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	205079	112.248	ug/l	99
52) Toluene	10.38	92	145575	19.045	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	70613	19.458	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	84584	19.224	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	43405	20.530	ug/l	96
56) Ethyl methacrylate	10.65	69	59951	21.067	ug/l	96
57) 1,3-Dichloropropane	10.93	76	73587	20.021	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	138680	118.637	ug/l	99
59) 2-Hexanone	10.96	43	143180	113.065	ug/l	99
60) Dibromochloromethane	11.13	129	48172	19.917	ug/l	99
61) 1,2-Dibromoethane	11.23	107	42890	20.994	ug/l	99
64) Tetrachloroethene	10.86	164	54909	18.691	ug/l	95
65) Chlorobenzene	11.66	112	149627	18.914	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	51825	19.234	ug/l	98
67) Ethyl Benzene	11.73	91	272350	19.209	ug/l	99
68) m/p-Xylenes	11.84	106	212411	38.813	ug/l	99
69) o-Xylene	12.16	106	97946	19.357	ug/l	97
70) Styrene	12.18	104	169135	19.554	ug/l	99
71) Bromoform	12.35	173	31024	21.237	ug/l #	100
73) Isopropylbenzene	12.46	105	276560	19.047	ug/l	100
74) N-amyl acetate	12.27	43	66372	21.479	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	51664	21.022	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	65501	37.128	ug/l #	100
77) Bromobenzene	12.74	156	65152	18.687	ug/l	98
78) n-propylbenzene	12.80	91	318029	19.041	ug/l	100
79) 2-Chlorotoluene	12.89	91	177641	19.149	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	230785	19.134	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	17551	23.579	ug/l	98
82) 4-Chlorotoluene	12.99	91	188004	19.347	ug/l	100
83) tert-Butylbenzene	13.21	119	202192	19.192	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	226747	18.911	ug/l	99
85) sec-Butylbenzene	13.38	105	282257	19.432	ug/l	99
86) p-Isopropyltoluene	13.50	119	263979	19.610	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	124224	18.939	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	125398	19.093	ug/l	99
89) n-Butylbenzene	13.82	91	237632	19.580	ug/l	100
90) Hexachloroethane	14.09	117	42846	19.265	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	113602	19.592	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8779	23.882	ug/l	96

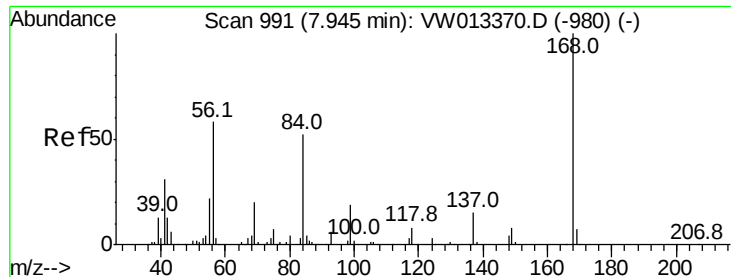
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	80698	19.392	ug/l	99
94) Hexachlorobutadiene	15.24	225	52947	19.587	ug/l	100
95) Naphthalene	15.36	128	146624	20.887	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	69072	19.011	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

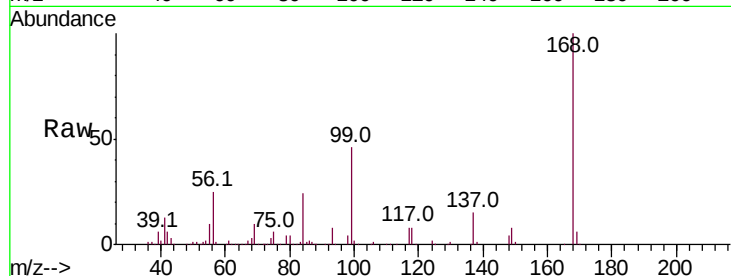
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 324427

Ion Ratio Lower Upper

168 100

99 45.8 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

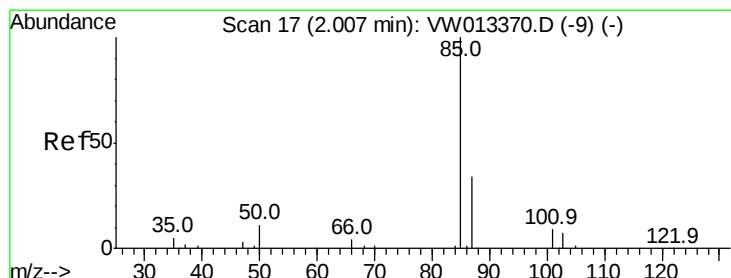
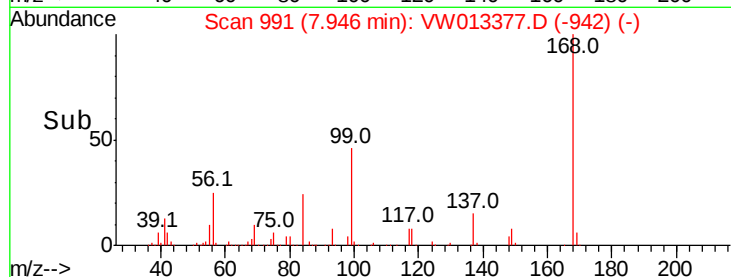
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.853 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW013377.D

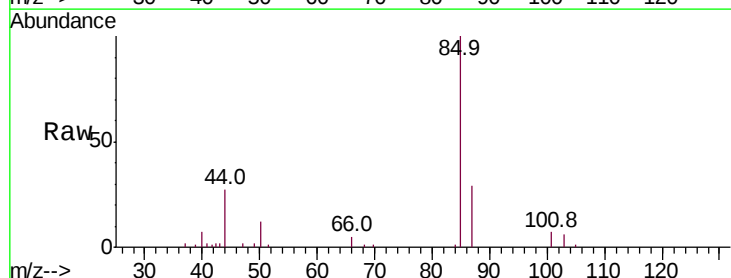
Acq: 02 Oct 2019 14:45

Tgt Ion: 85 Resp: 23658

Ion Ratio Lower Upper

85 100

87 29.2 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

10000

8000

6000

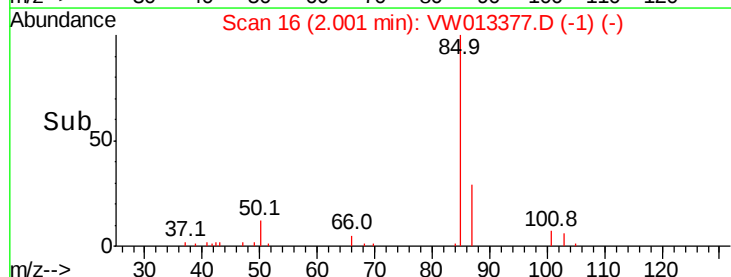
4000

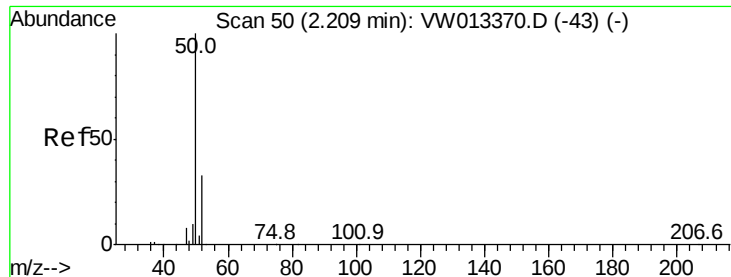
2000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 19.230 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

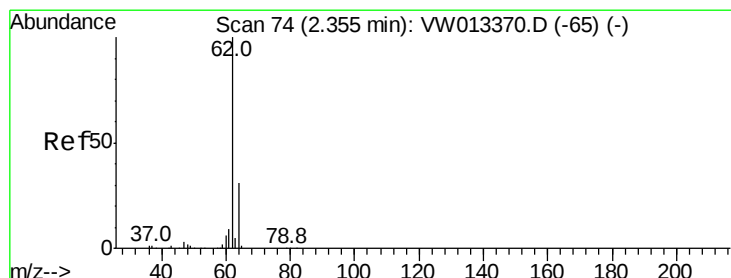
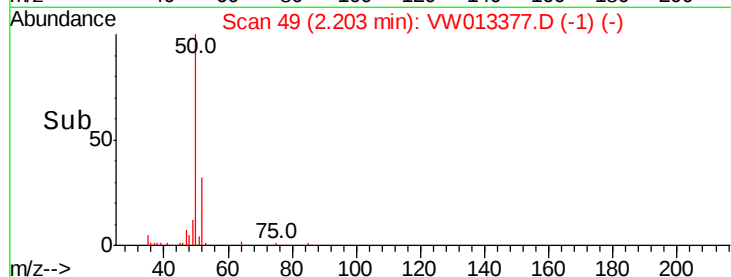
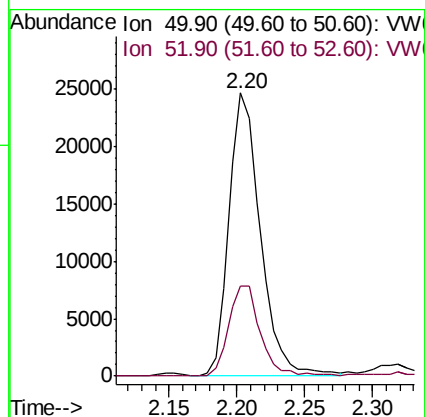
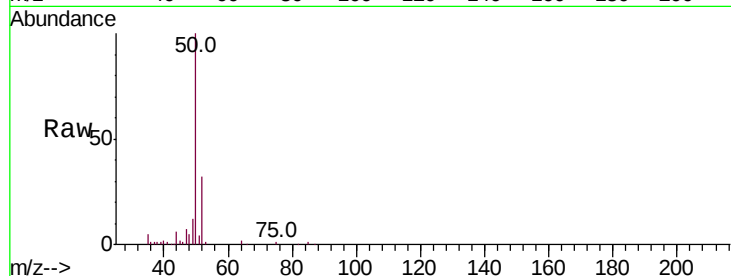
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 50 Resp: 39820

Ion Ratio Lower Upper

50 100

52 31.7 26.1 39.1



#4

Vinyl Chloride

Concen: 18.855 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW013377.D

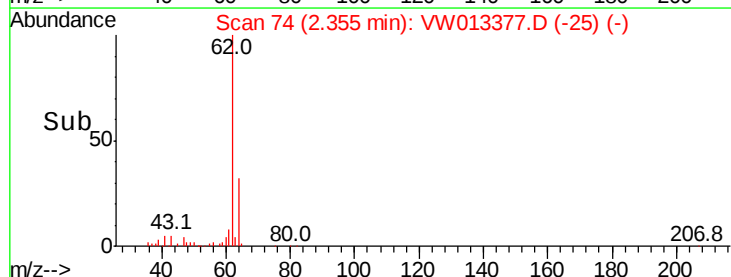
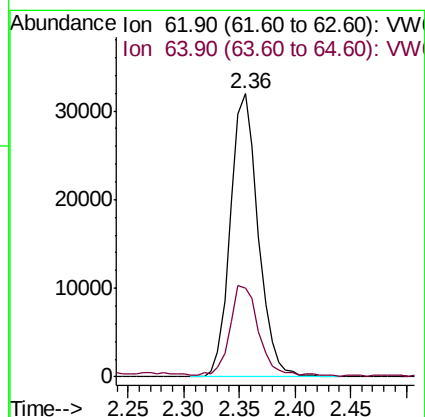
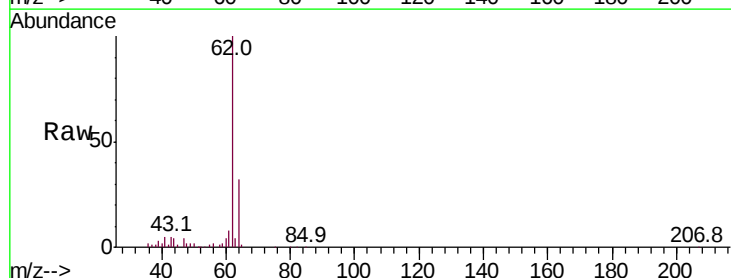
Acq: 02 Oct 2019 14:45

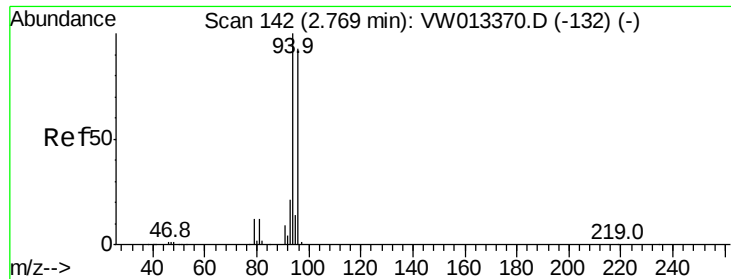
Tgt Ion: 62 Resp: 55409

Ion Ratio Lower Upper

62 100

64 31.2 25.3 37.9





#5

Bromomethane

Concen: 17.965 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

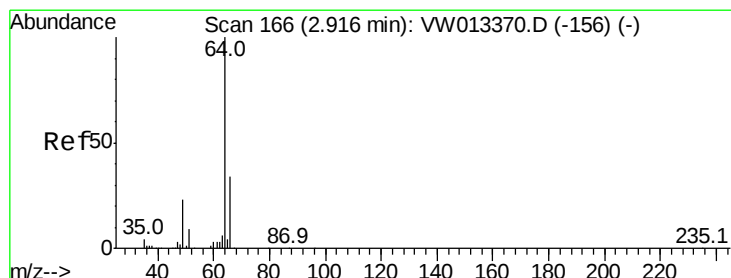
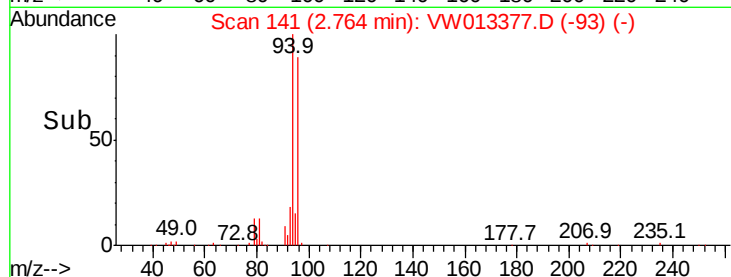
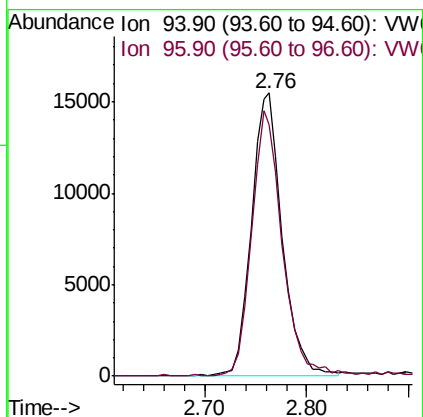
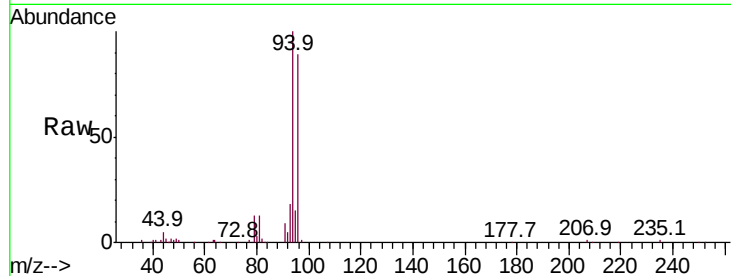
ClientSampleId :

Tot Ion: 94 Resp: 32436

Ion Ratio Lower Upper

94 100

96 88.7 69.7 104.5



#6

Chloroethane

Concen: 17.212 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013377.D

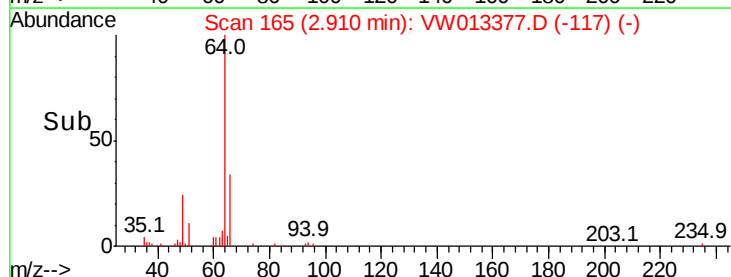
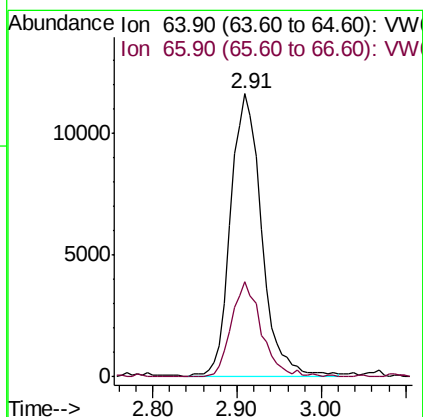
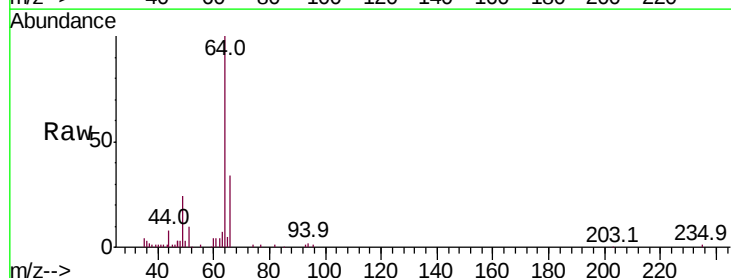
Acq: 02 Oct 2019 14:45

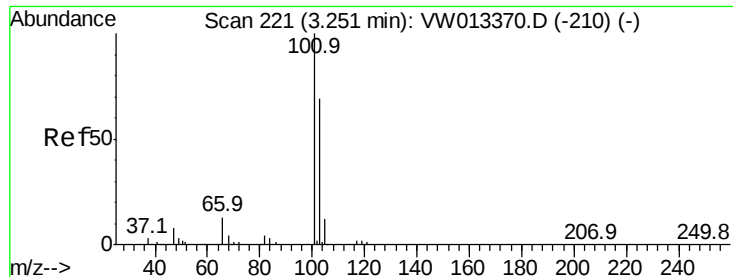
Tgt Ion: 64 Resp: 29208

Ion Ratio Lower Upper

64 100

66 33.6 26.6 39.8



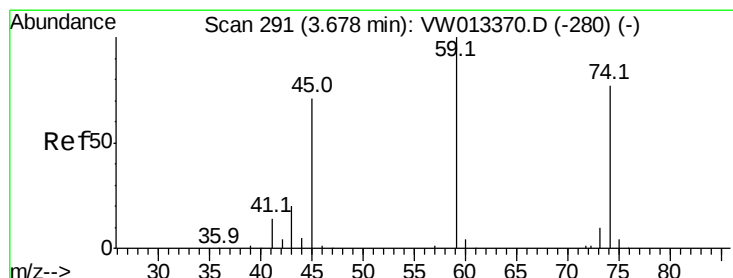
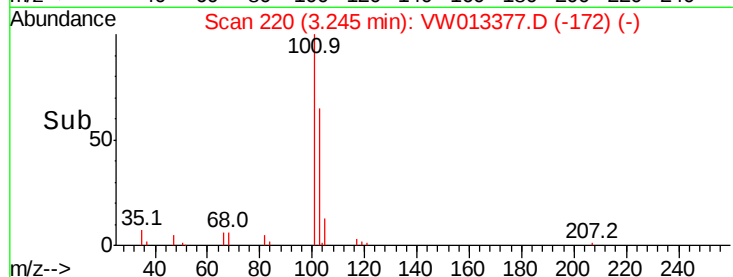
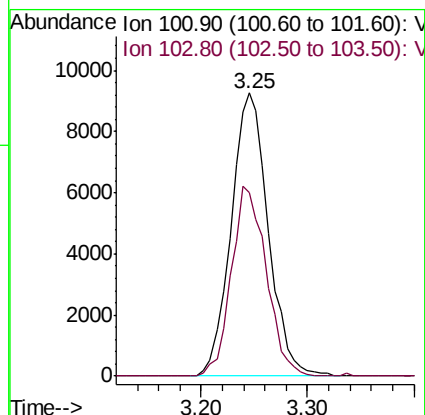
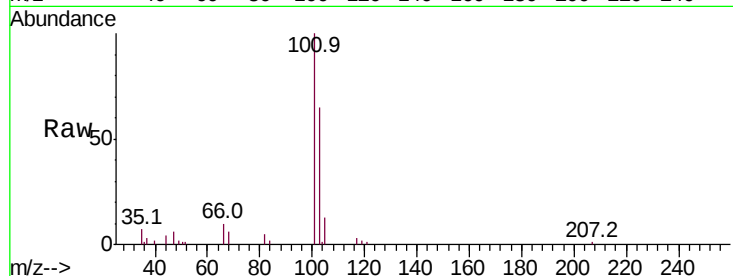


#7

Trichlorofluoromethane
Concen: 17.695 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Instrument :
MSVOA_W
ClientSampled :

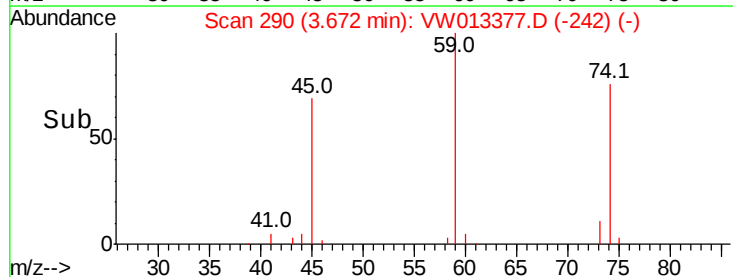
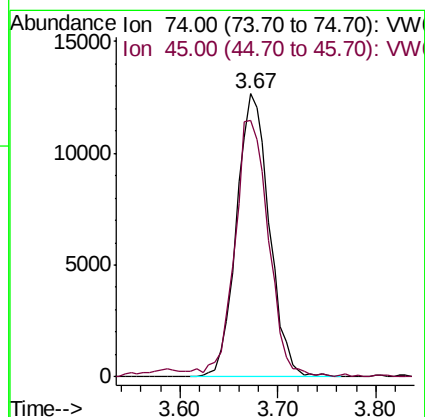
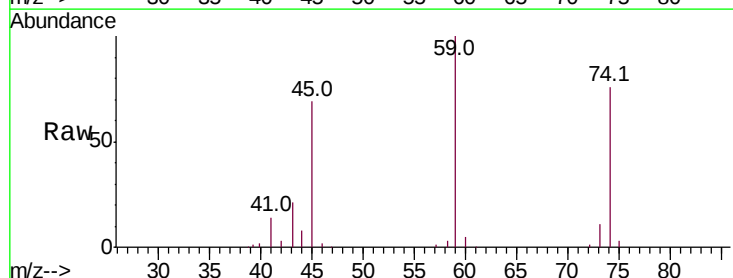
Tot Ion:101 Resp: 22560
Ion Ratio Lower Upper
101 100
103 64.9 49.7 74.5

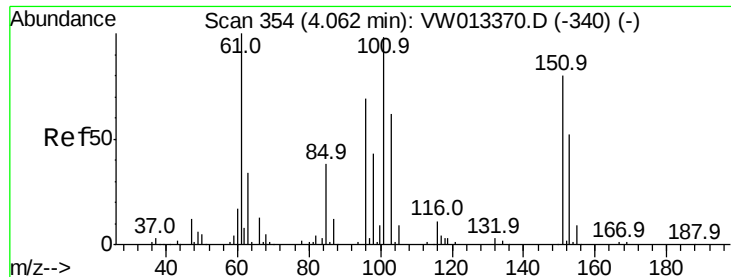


#8

Diethyl Ether
Concen: 19.897 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Tgt Ion: 74 Resp: 29362
Ion Ratio Lower Upper
74 100
45 94.1 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.837 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

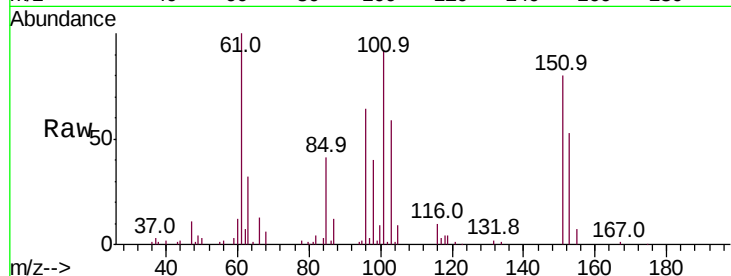
Tot Ion:101 Resp: 53246

Ion Ratio Lower Upper

101 100

85 40.0 33.4 50.0

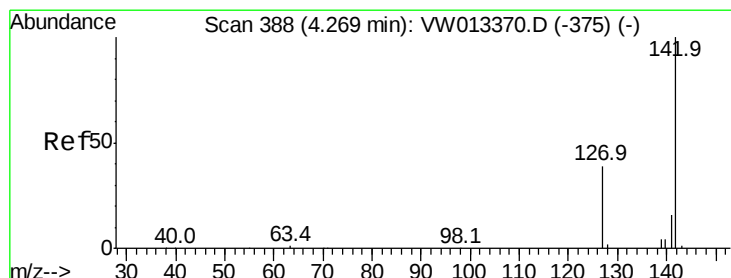
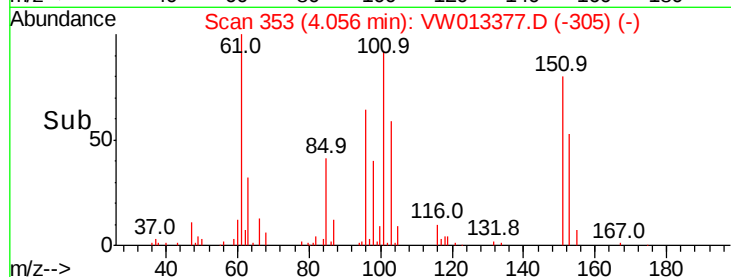
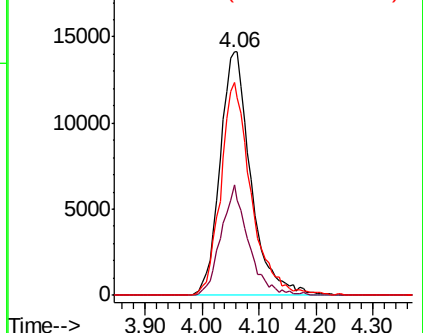
151 85.8 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.067 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

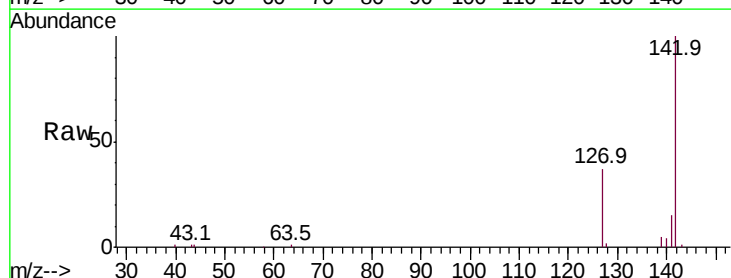
Tgt Ion:142 Resp: 82473

Ion Ratio Lower Upper

142 100

127 37.7 30.9 46.3

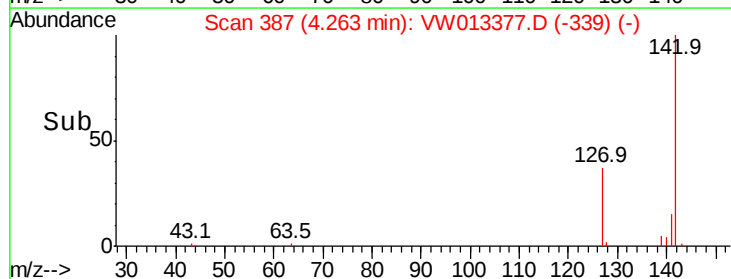
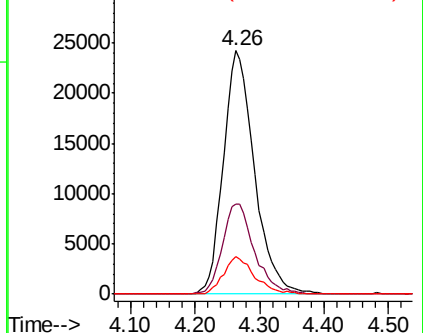
141 15.1 11.7 17.5

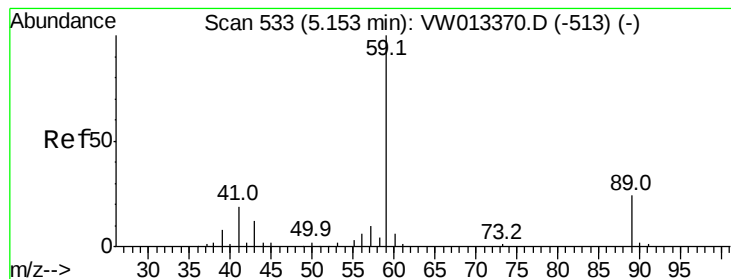


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



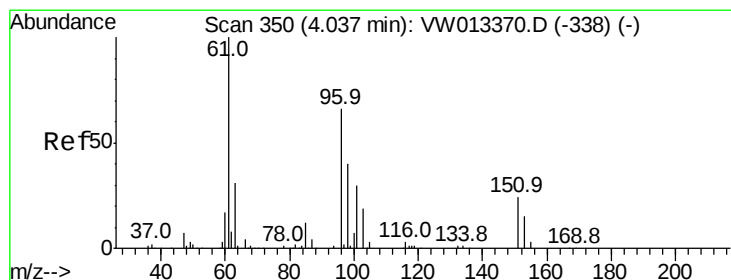
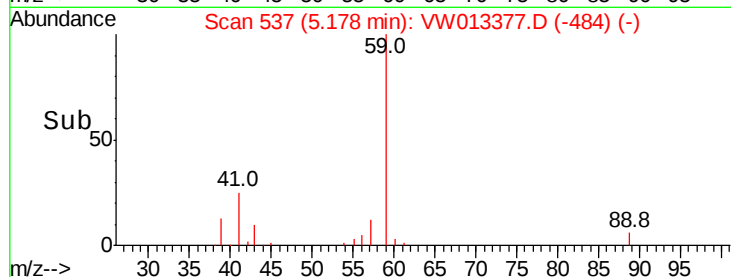
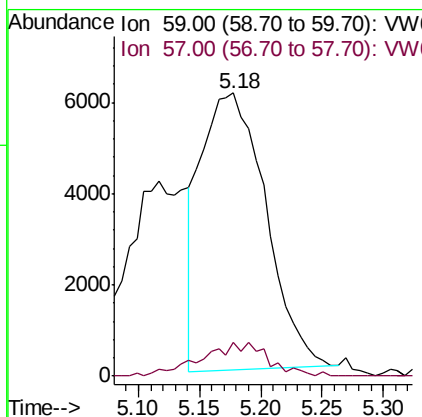
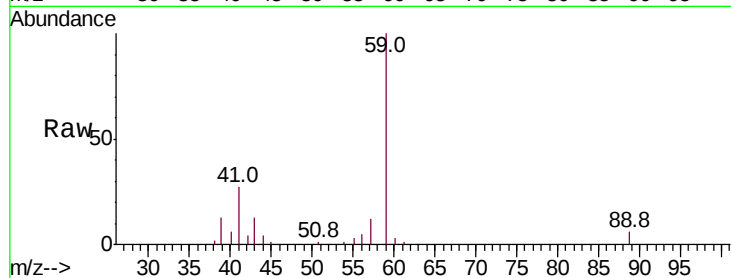


#11

Tert butyl alcohol
 Concen: 95.961 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.02 min
 Lab File: VW013377.D
 Acq: 02 Oct 2019 14:45

Instrument :
 MSVOA_W
 ClientSampleId :

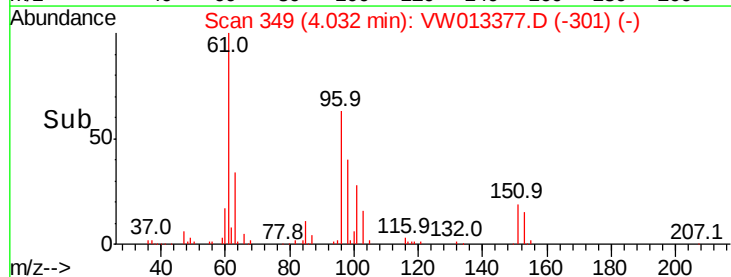
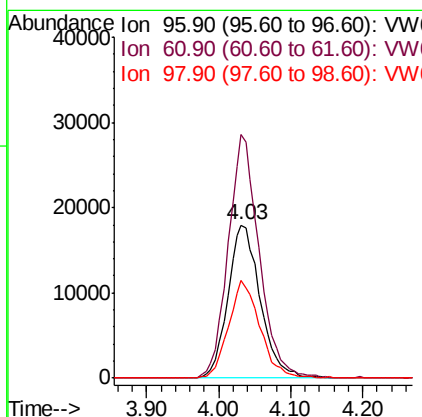
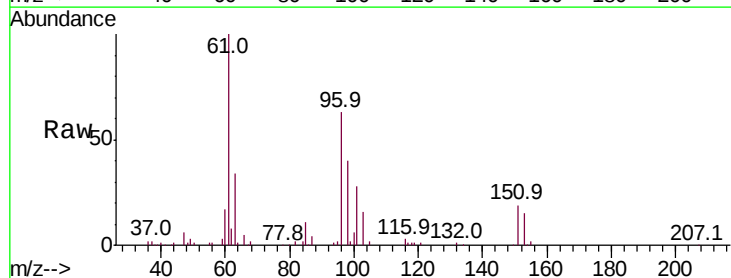
Tot Ion: 59 Resp: 22232
 Ion Ratio Lower Upper
 59 100
 57 12.5 8.2 12.2#

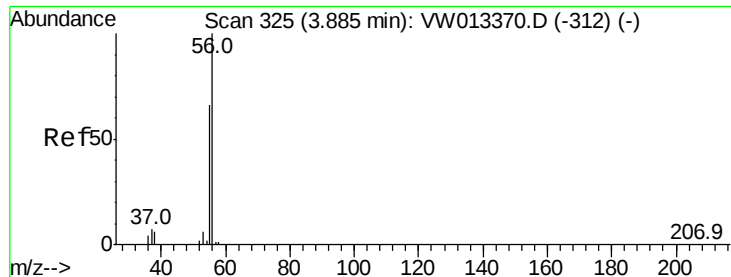


#12

1,1-Dichloroethene
 Concen: 18.744 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW013377.D
 Acq: 02 Oct 2019 14:45

Tgt Ion: 96 Resp: 55978
 Ion Ratio Lower Upper
 96 100
 61 159.0 125.1 187.7
 98 63.5 50.8 76.2





#13

Acrolein

Concen: 120.286 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

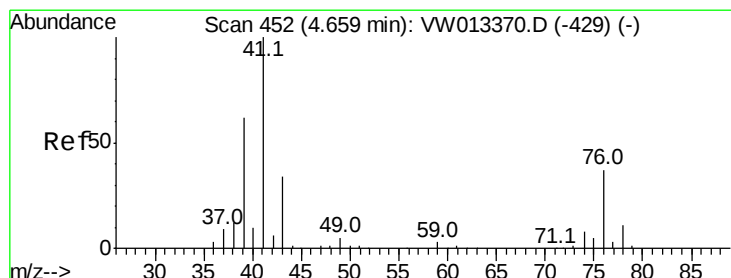
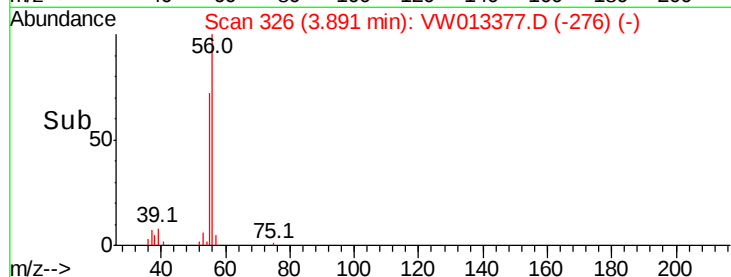
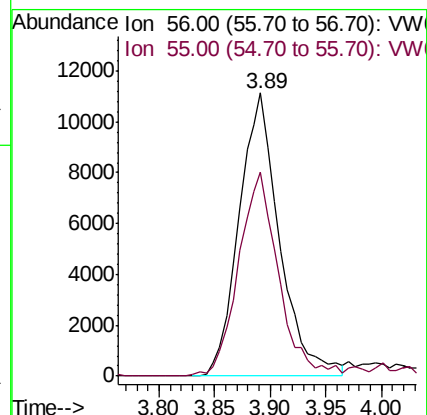
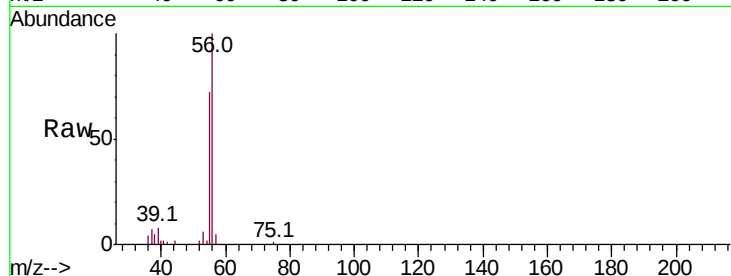
ClientSampleId :

Tot Ion: 56 Resp: 28057

Ion Ratio Lower Upper

56 100

55 71.2 55.4 83.0



#14

Allyl chloride

Concen: 17.974 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

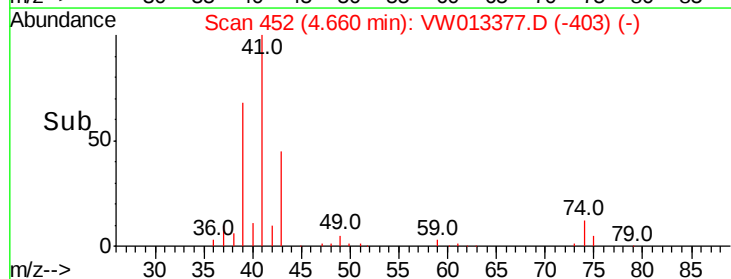
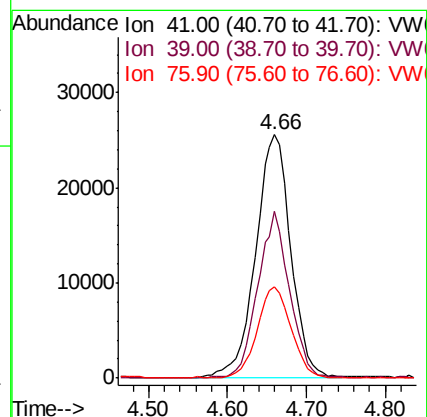
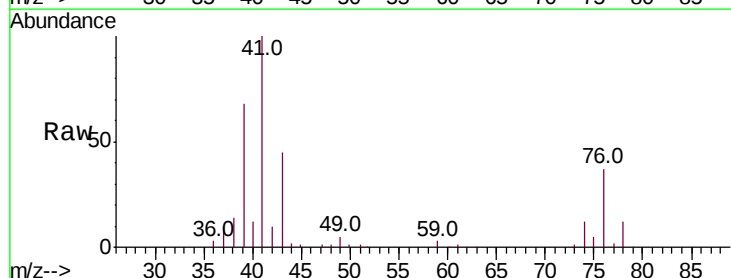
Tgt Ion: 41 Resp: 79411

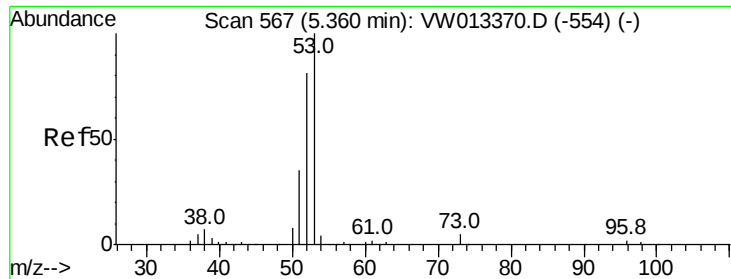
Ion Ratio Lower Upper

41 100

39 62.0 51.0 76.4

76 35.9 28.4 42.6





#15

Acrylonitrile

Concen: 111.193 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

ClientSampled :

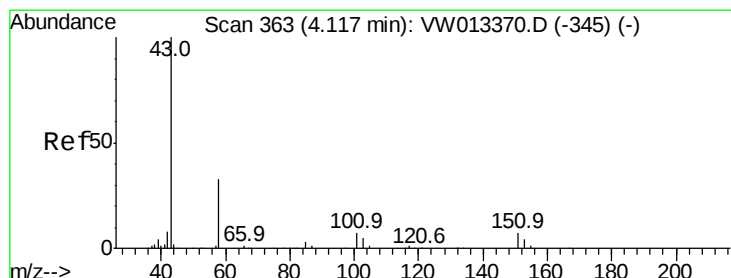
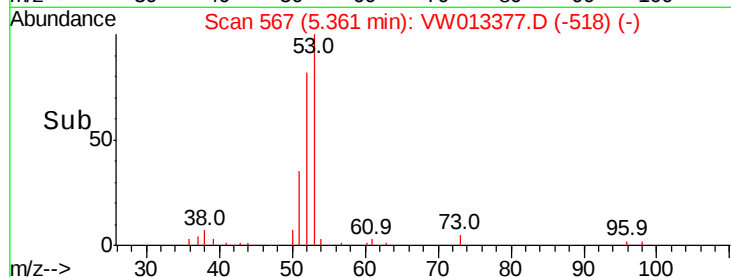
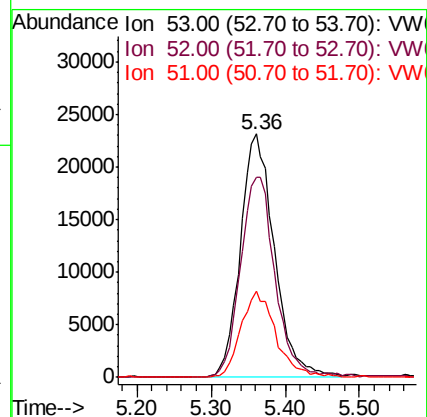
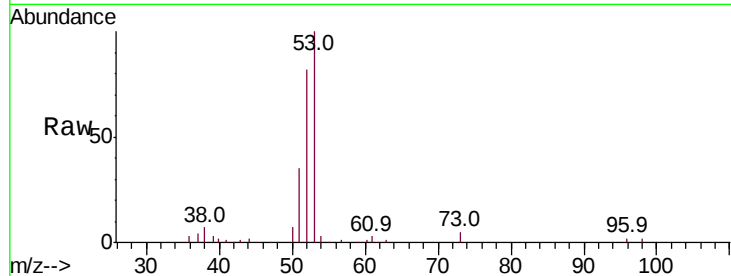
Tot Ion: 53 Resp: 74176

Ion Ratio Lower Upper

53 100

52 84.1 65.3 97.9

51 36.4 29.0 43.4



#16

Acetone

Concen: 89.030 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW013377.D

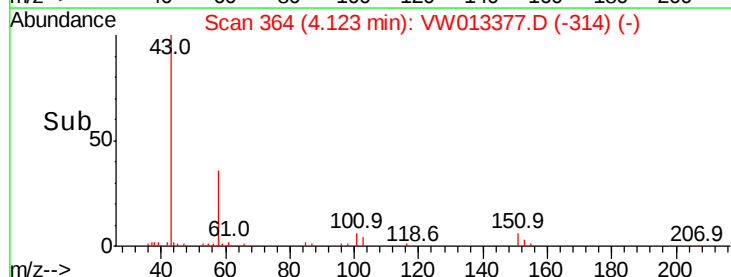
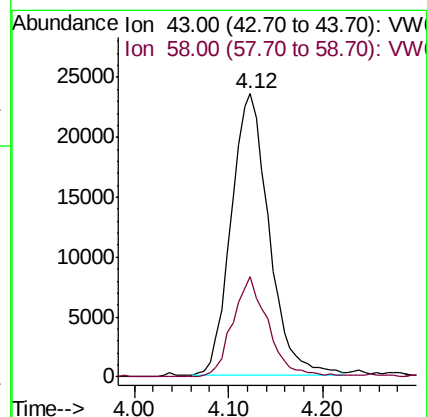
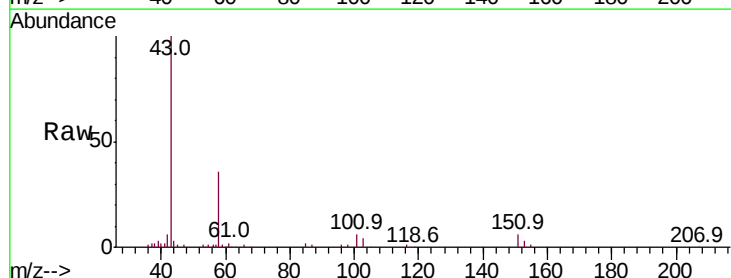
Acq: 02 Oct 2019 14:45

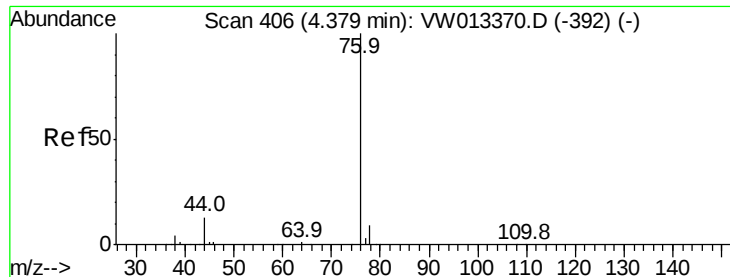
Tgt Ion: 43 Resp: 66106

Ion Ratio Lower Upper

43 100

58 35.8 24.1 36.1

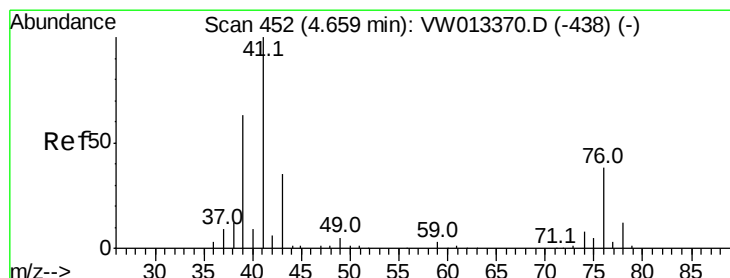
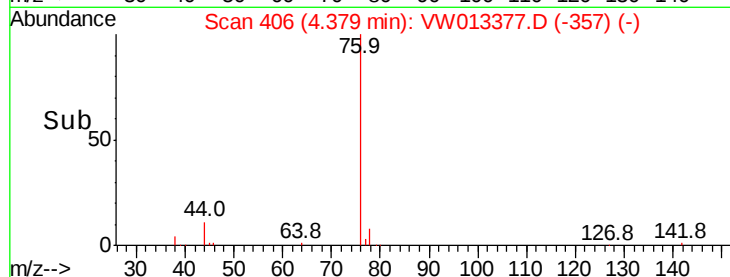
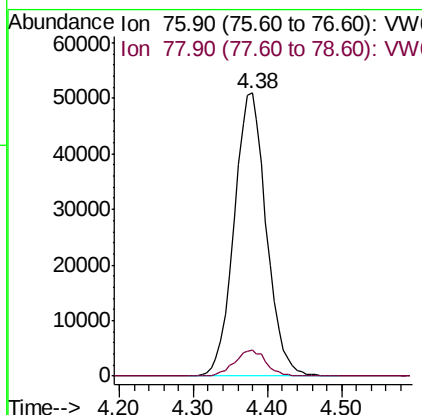
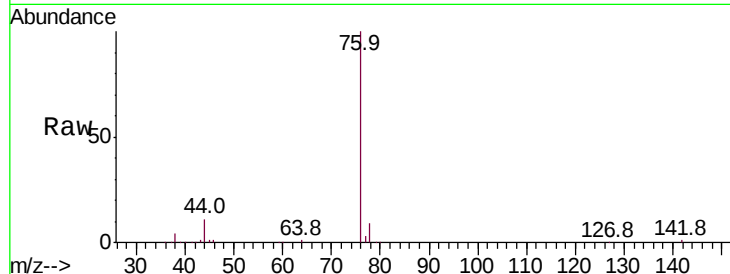




#17
Carbon Disulfide
Concen: 18.508 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

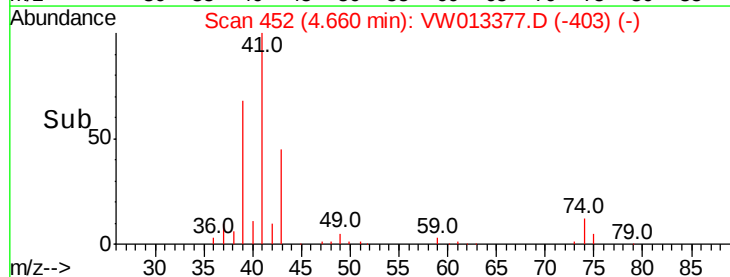
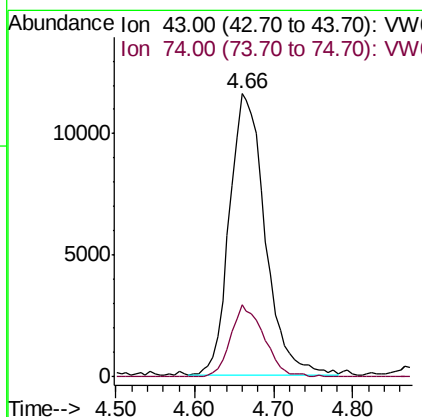
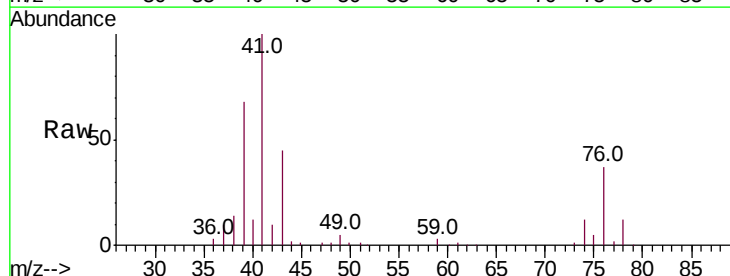
Instrument :
MSVOA_W
ClientSampleId :

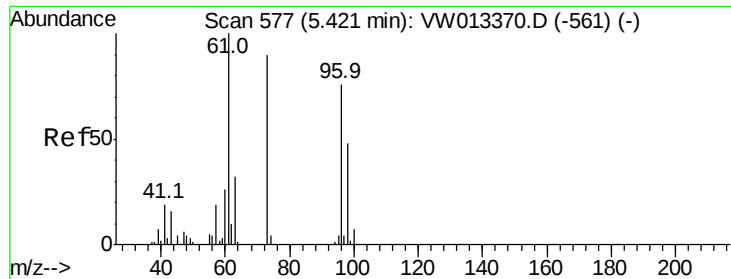
Tot Ion: 76 Resp: 154200
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.4



#18
Methyl Acetate
Concen: 20.855 ug/l
RT: 4.66 min Scan# 452
Delta R.T. 0.00 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Tgt Ion: 43 Resp: 36244
Ion Ratio Lower Upper
43 100
74 24.0 19.3 28.9

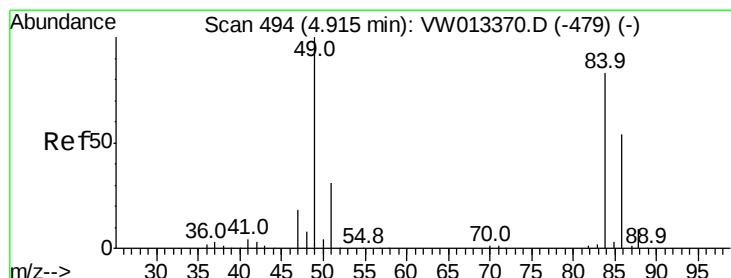
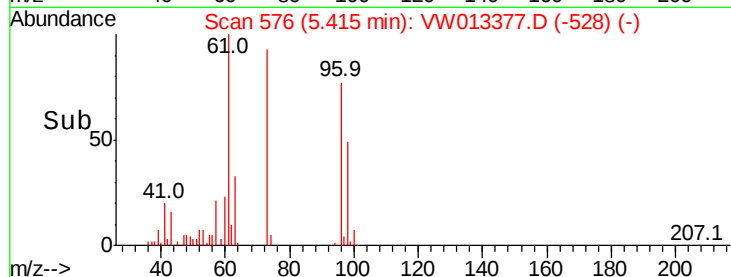
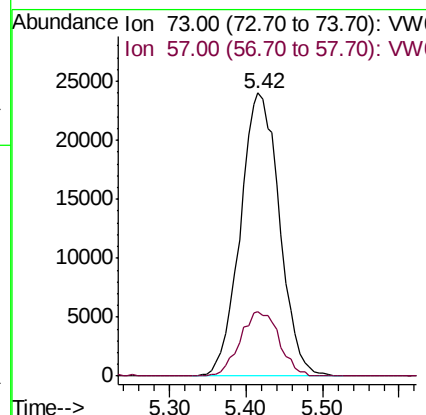
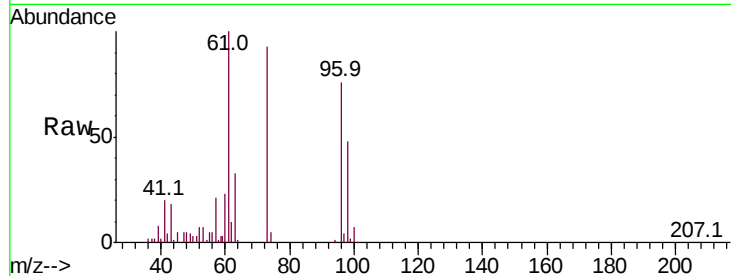




#19
Methvl tert-butvl Ether
Concen: 19.370 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

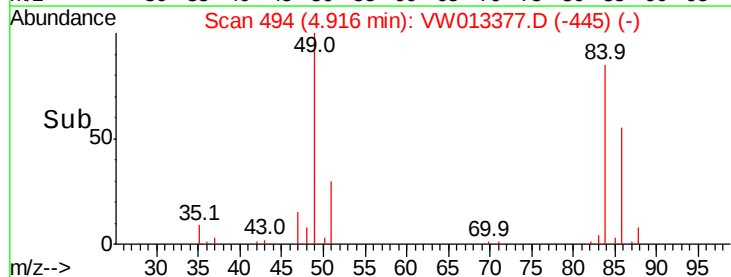
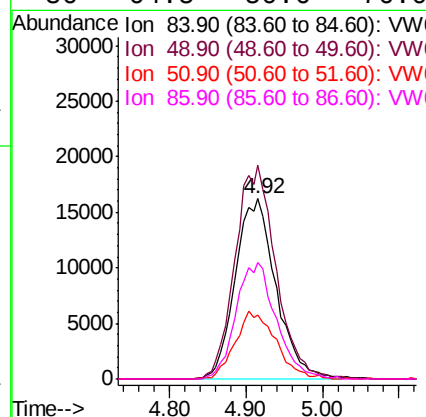
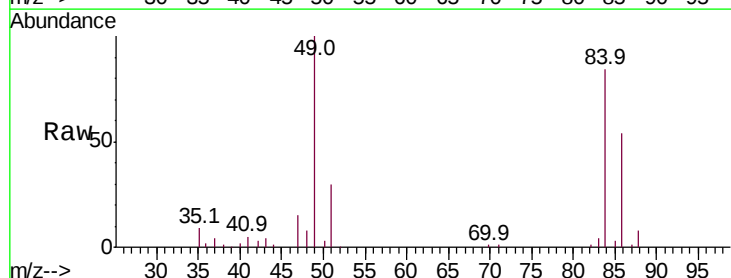
Instrument :
MSVOA_W
ClientSampleId :

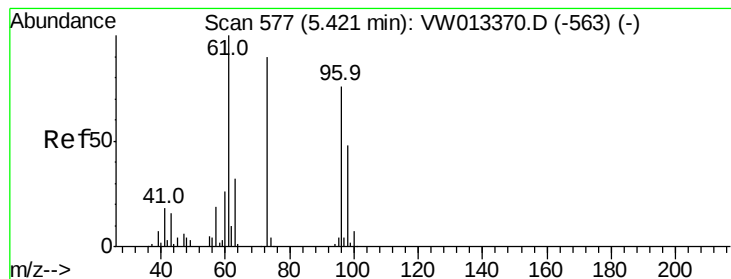
Tot Ion: 73 Resp: 85140
Ion Ratio Lower Upper
73 100
57 22.6 17.6 26.4



#20
Methylene Chloride
Concen: 18.148 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Tgt Ion: 84 Resp: 59789
Ion Ratio Lower Upper
84 100
49 118.6 97.6 146.4
51 35.7 30.2 45.2
86 64.5 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 18.551 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

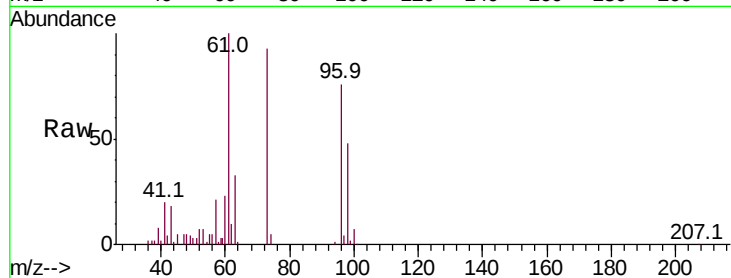
Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 96 Resp: 59001

Ion	Ratio	Lower	Upper
96	100		
61	130.8	106.6	159.8
98	63.4	49.8	74.8

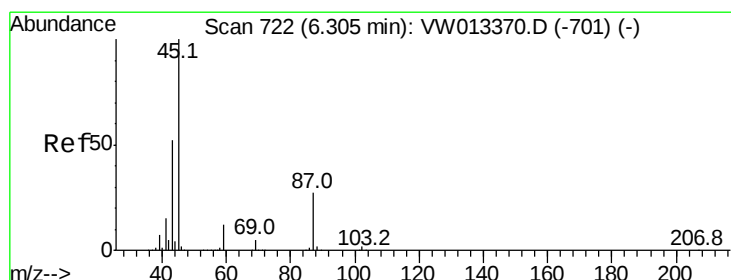
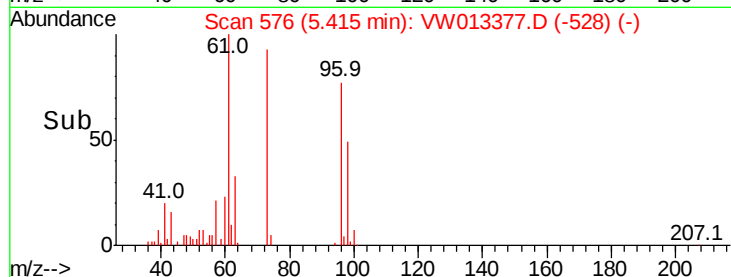
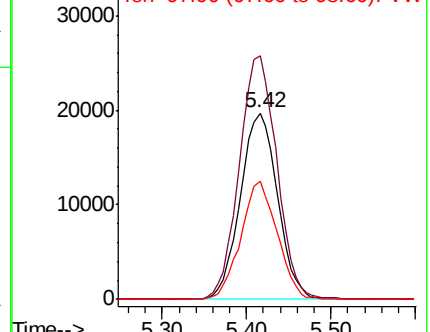


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 18.374 ug/l

RT: 6.31 min Scan# 722

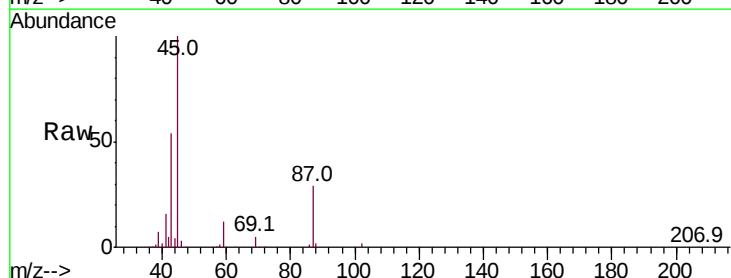
Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Tgt Ion: 45 Resp: 156764

Ion	Ratio	Lower	Upper
45	100		
43	52.9	42.4	63.6
87	28.8	20.4	30.6
59	11.6	8.8	13.2



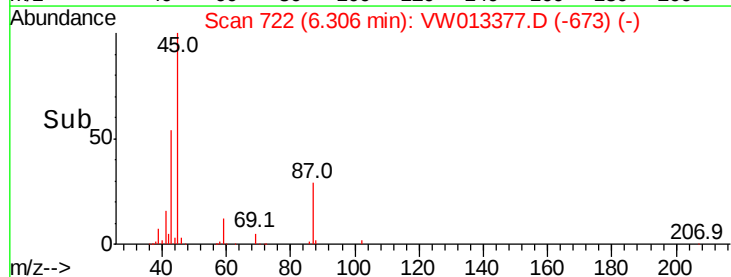
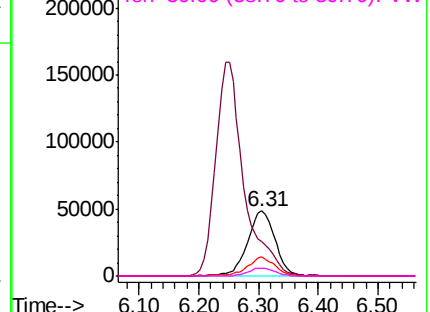
Abundance

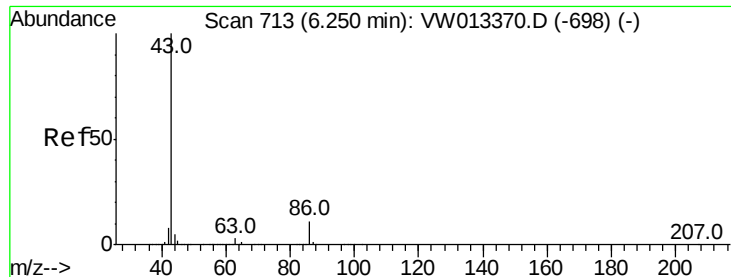
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 102.063 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

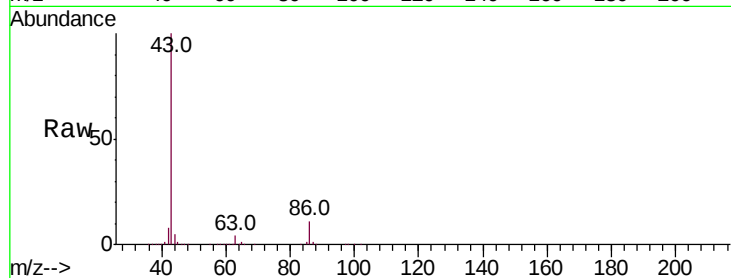
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 522517

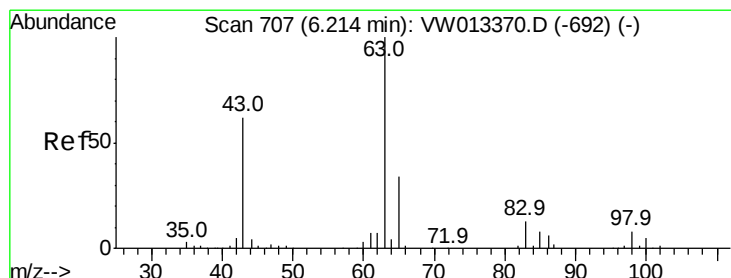
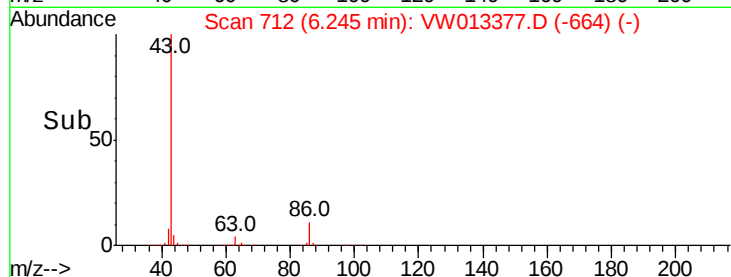
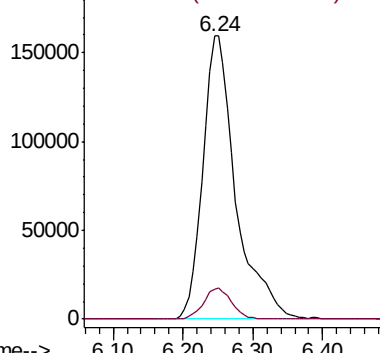
Ion Ratio Lower Upper

43 100

86 10.8 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 18.706 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

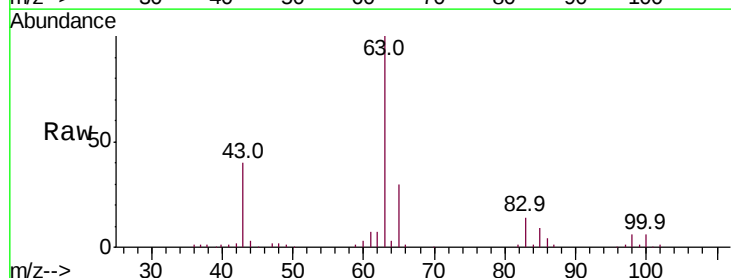
Tgt Ion: 63 Resp: 97211

Ion Ratio Lower Upper

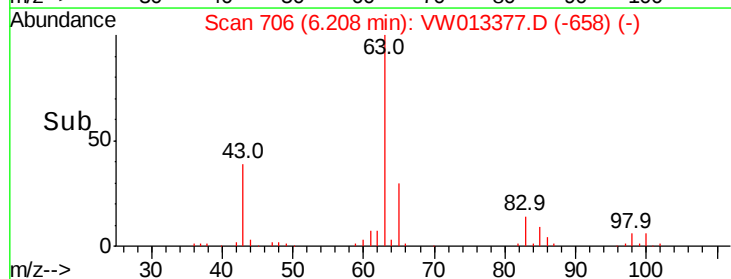
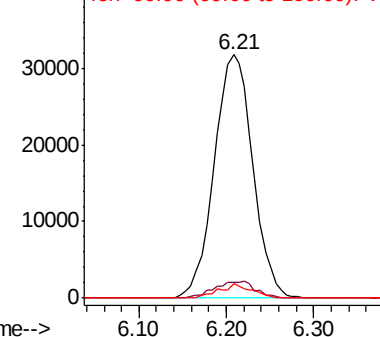
63 100

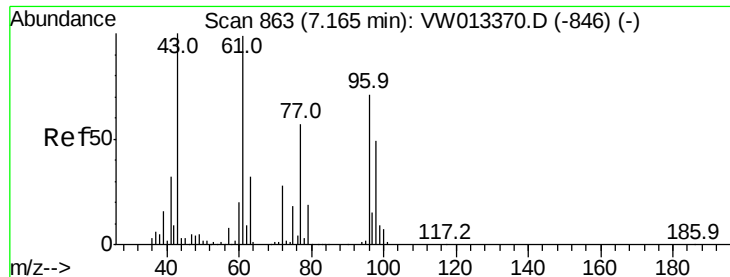
98 6.4 3.5 10.5

100 5.9 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 97.90 (97.60 to 98.60): VW
Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 108.665 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

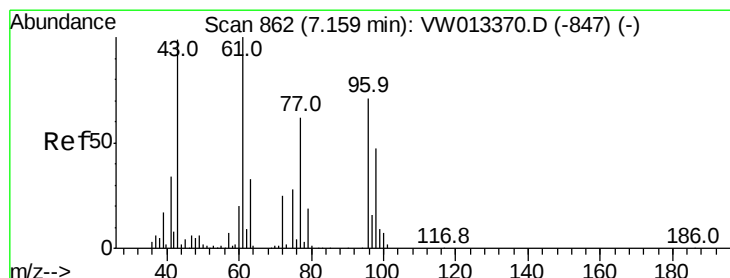
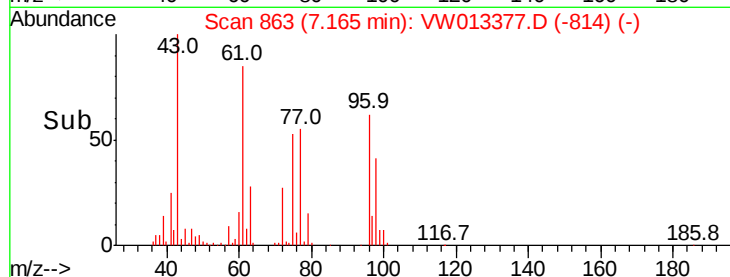
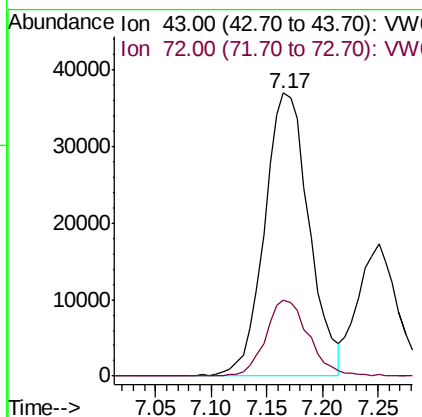
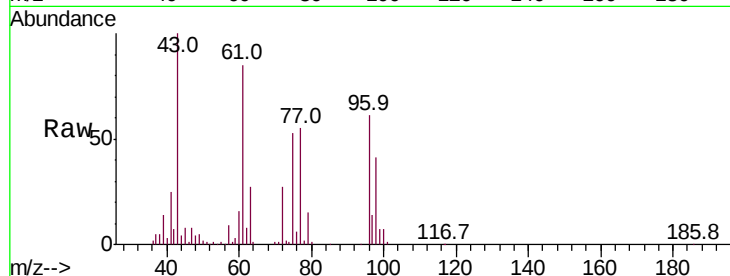
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 103243

Ion Ratio Lower Upper

43 100

72 26.6 19.4 29.0



#26

2,2-Dichloropropane

Concen: 19.742 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW013377.D

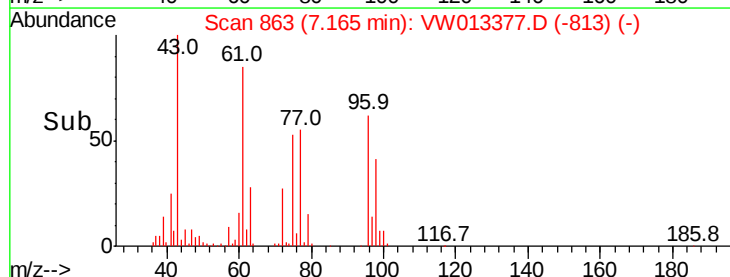
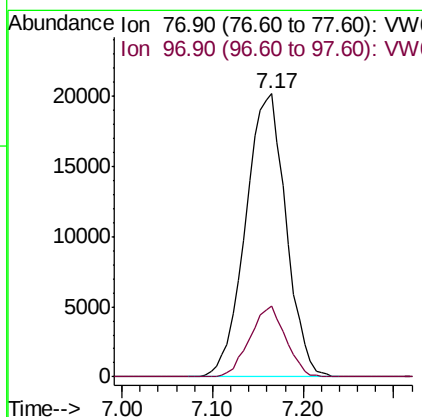
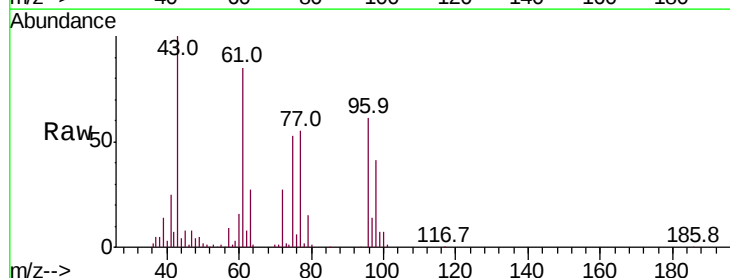
Acq: 02 Oct 2019 14:45

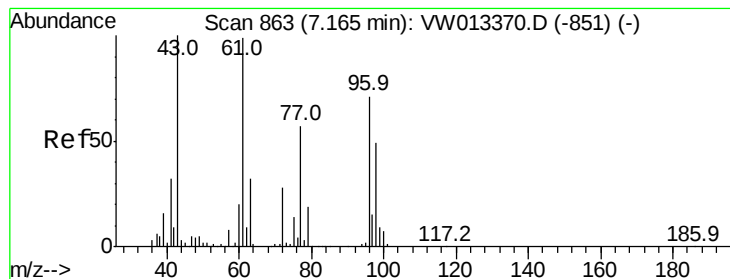
Tgt Ion: 77 Resp: 62380

Ion Ratio Lower Upper

77 100

97 22.2 11.8 35.4



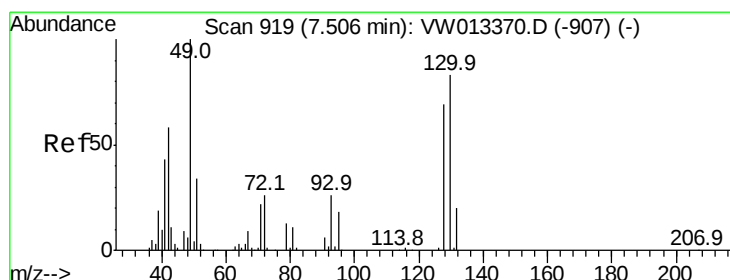
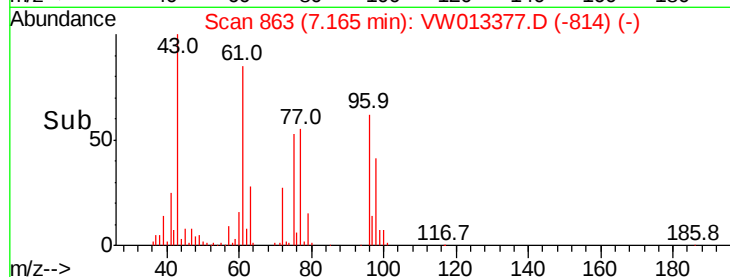
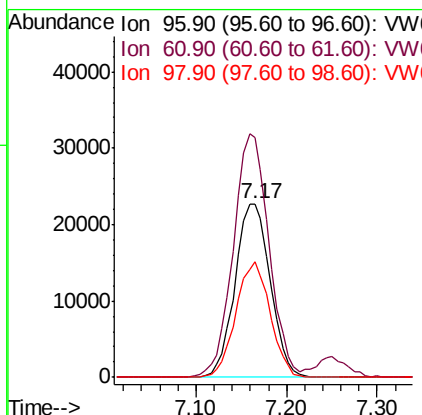
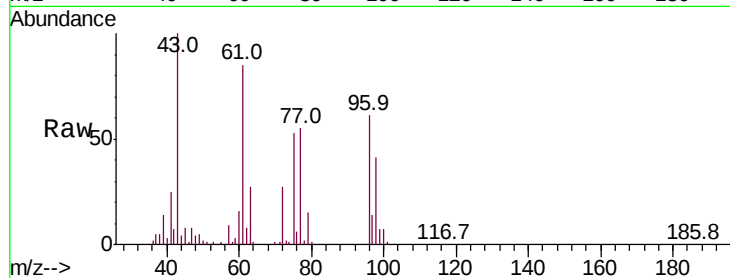


#27

cis-1,2-Dichloroethene
Concen: 18.411 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Instrument :
MSVOA_W
ClientSampled :

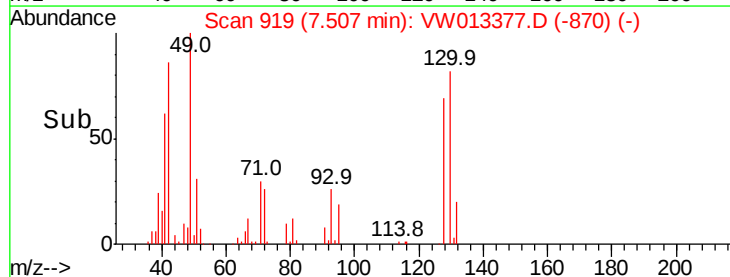
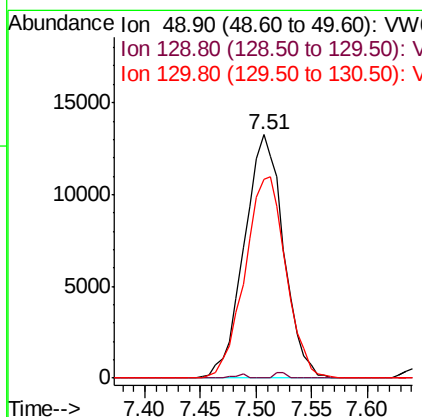
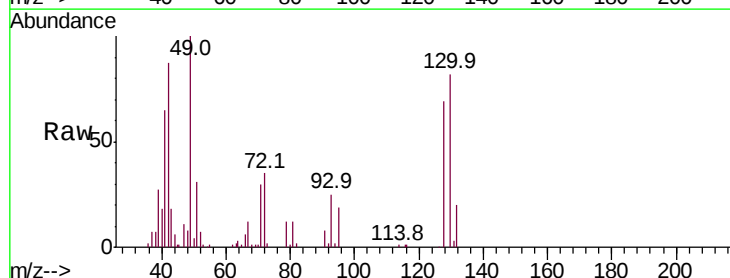
Tot Ion: 96 Resp: 61292
Ion Ratio Lower Upper
96 100
61 141.8 0.0 282.4
98 65.0 0.0 128.2

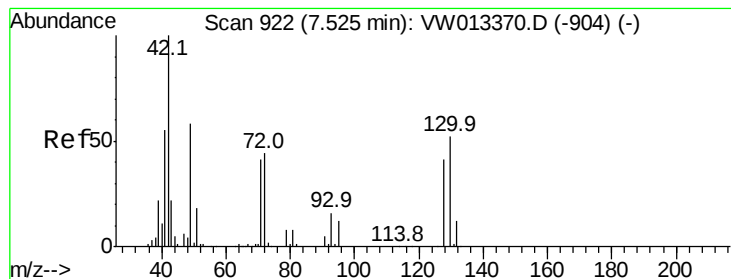


#28

Bromochloromethane
Concen: 17.352 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Tgt Ion: 49 Resp: 32604
Ion Ratio Lower Upper
49 100
129 0.6 0.0 1.0
130 86.0 63.4 95.2





#29

Tetrahydrofuran

Concen: 119.165 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

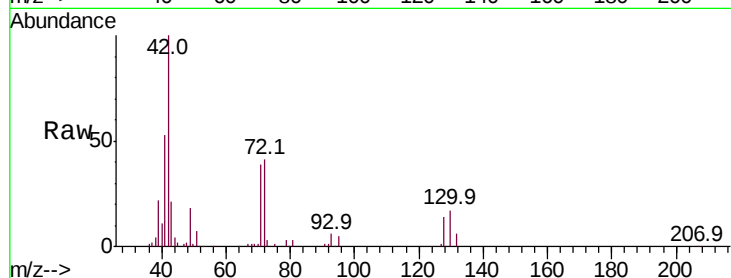
Tot Ion: 42 Resp: 62936

Ion Ratio Lower Upper

42 100

72 44.5 33.9 50.9

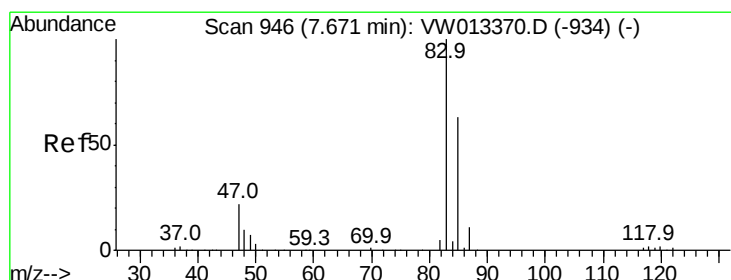
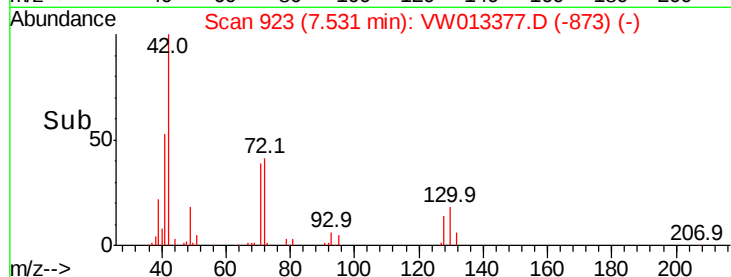
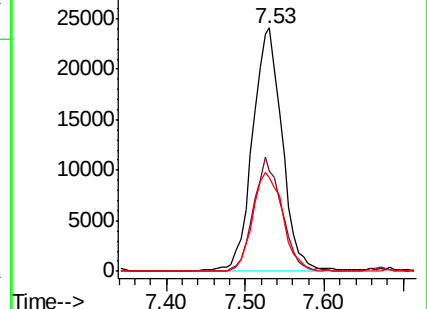
71 41.7 31.9 47.9



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 18.146 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW013377.D

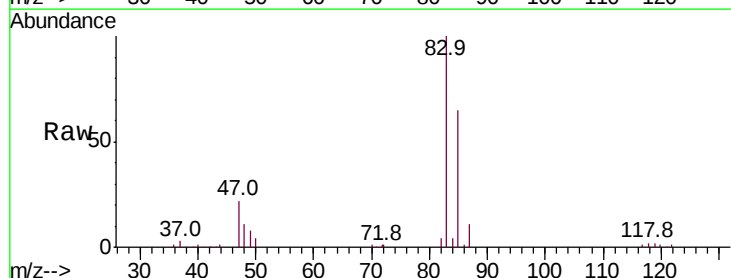
Acq: 02 Oct 2019 14:45

Tgt Ion: 83 Resp: 92468

Ion Ratio Lower Upper

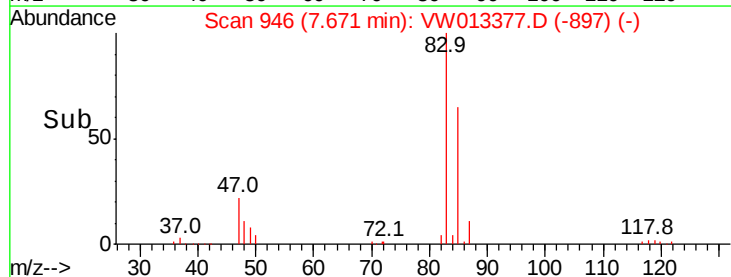
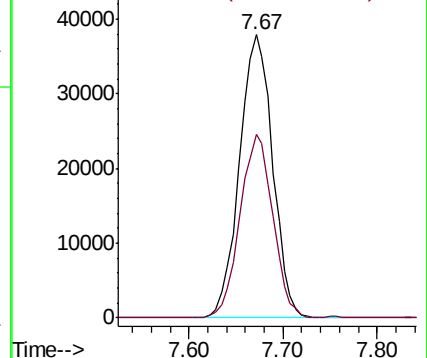
83 100

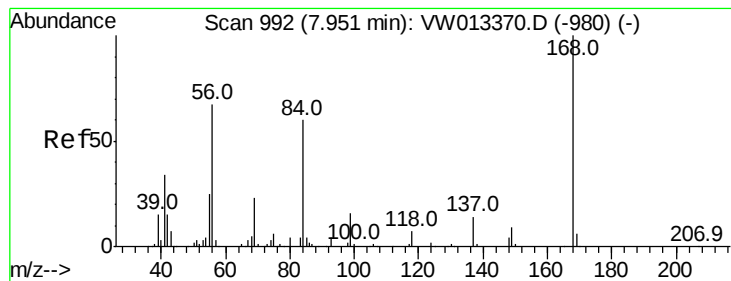
85 64.8 52.3 78.5



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 18.262 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :

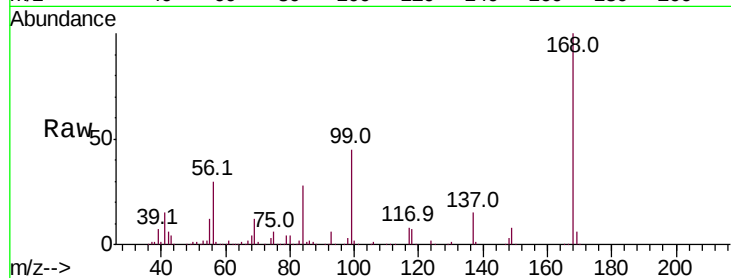
Tot Ion: 56 Resp: 101210

Ion Ratio Lower Upper

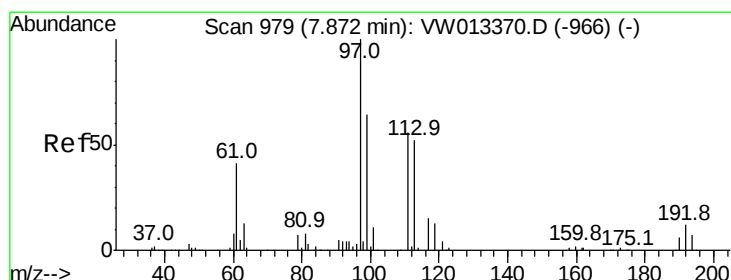
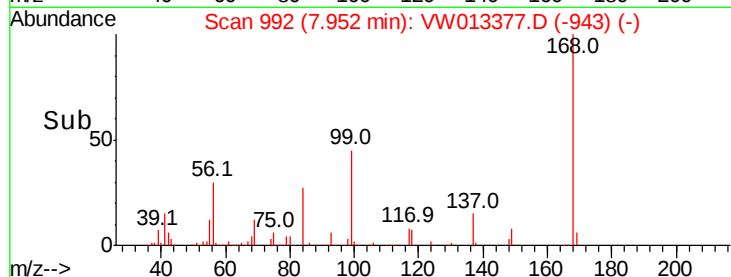
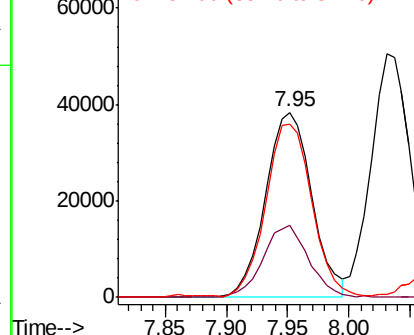
56 100

69 39.2 27.2 40.8

84 92.8 70.8 106.2



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: 18.751 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

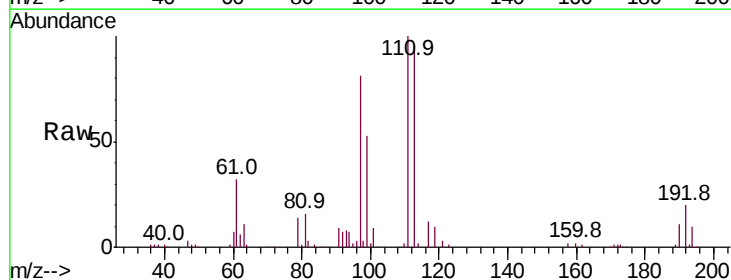
Tgt Ion: 97 Resp: 74858

Ion Ratio Lower Upper

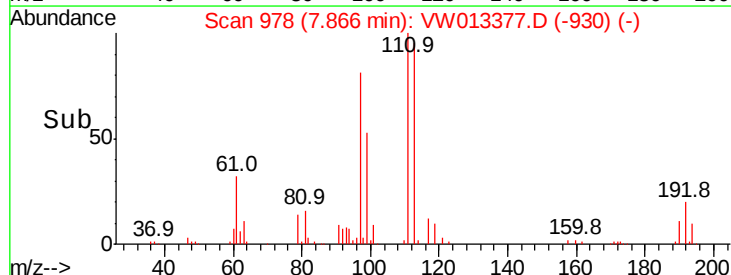
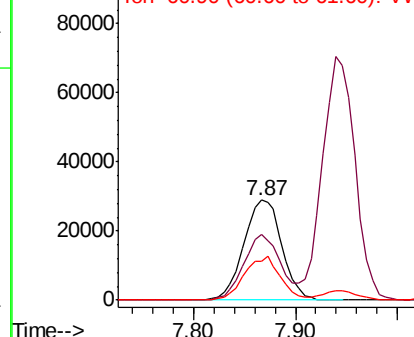
97 100

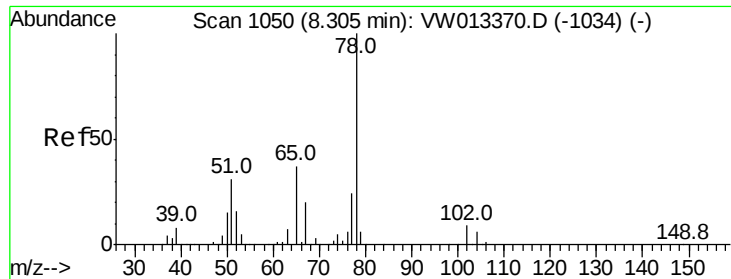
99 64.4 51.7 77.5

61 41.6 34.6 51.8



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





#33

1,2-Dichloroethane-d4

Concen: 53.521 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

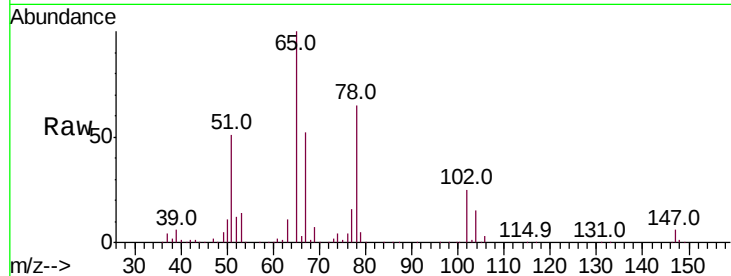
ClientSampled :

Tot Ion: 65 Resp: 129650

Ion Ratio Lower Upper

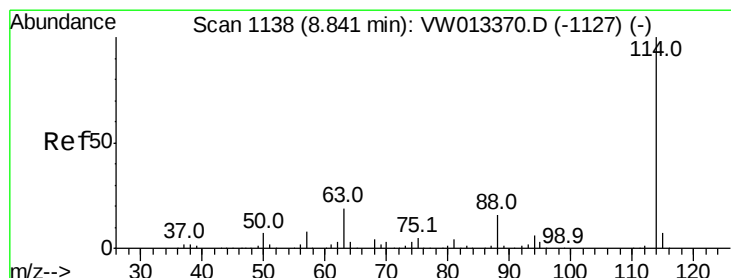
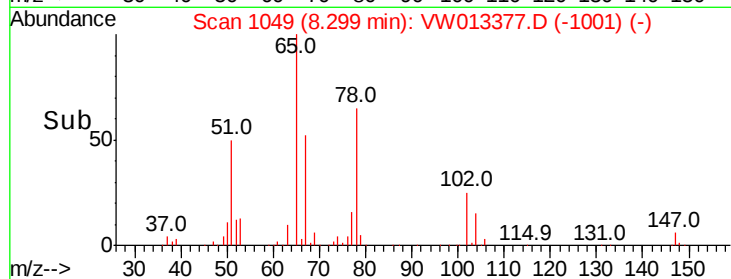
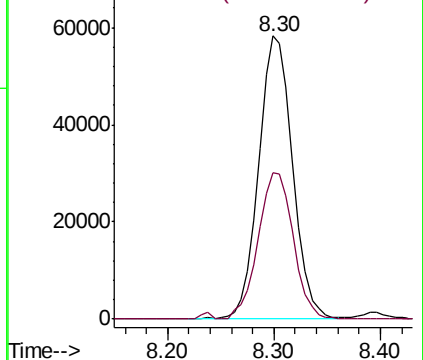
65 100

67 53.6 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

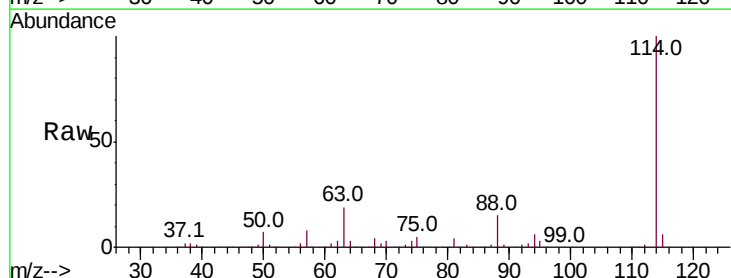
Tgt Ion: 114 Resp: 450725

Ion Ratio Lower Upper

114 100

63 19.0 0.0 41.4

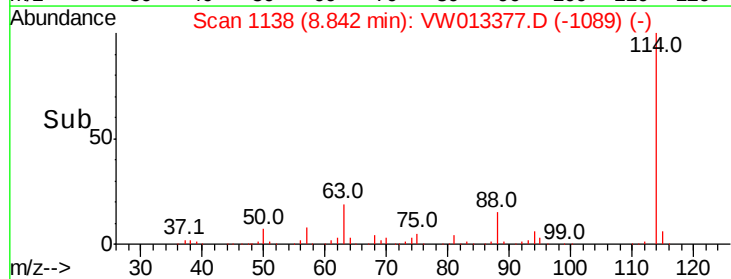
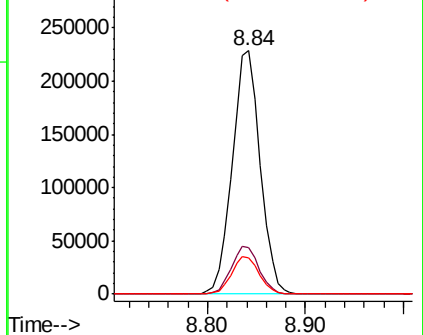
88 14.9 0.0 32.0

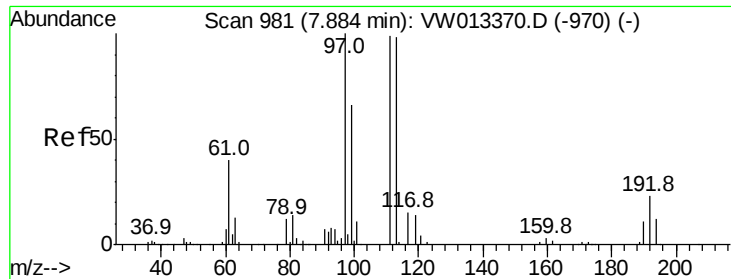


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

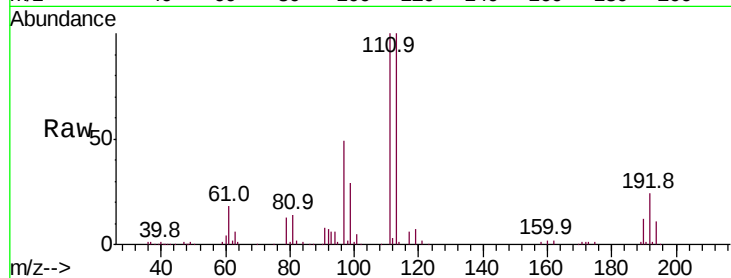




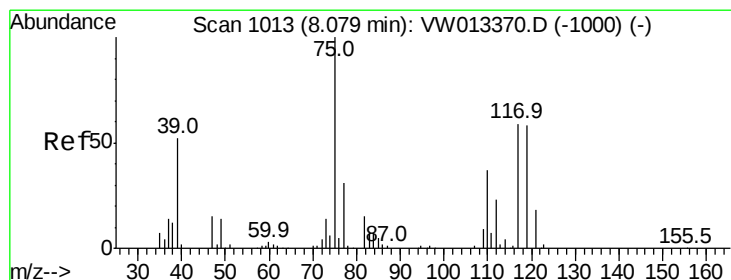
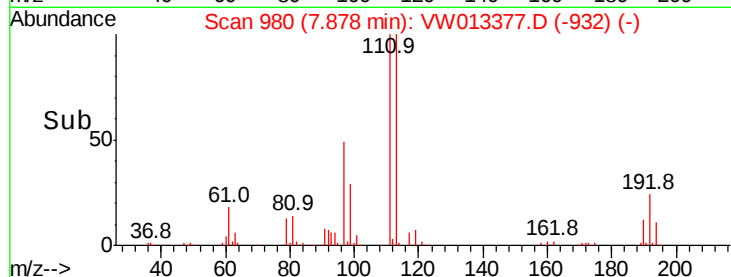
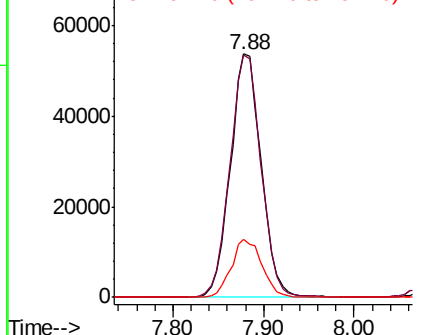
#35
 Dibromofluoromethane
 Concen: 53.346 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW013377.D
 Acq: 02 Oct 2019 14:45

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:113 Resp: 126166
 Ion Ratio Lower Upper
 113 100
 111 100.9 81.9 122.9
 192 23.6 19.1 28.7

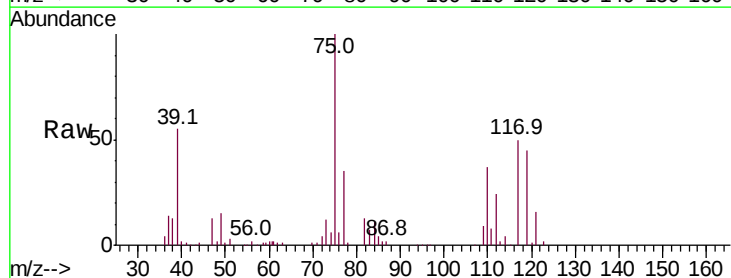


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

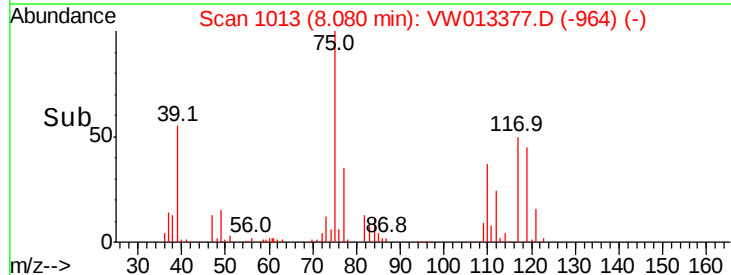
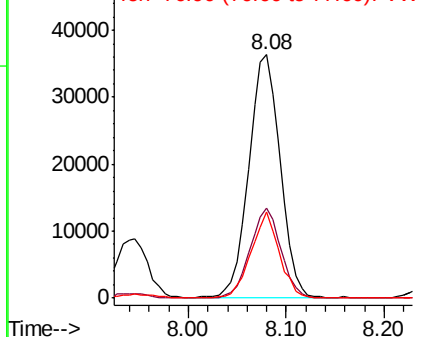


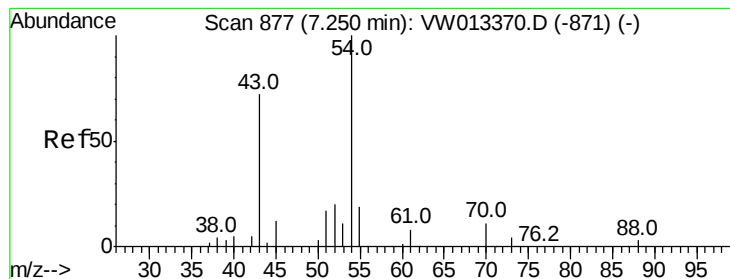
#36
 1,1-Dichloropropene
 Concen: 19.382 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW013377.D
 Acq: 02 Oct 2019 14:45

Tgt Ion: 75 Resp: 81139
 Ion Ratio Lower Upper
 75 100
 110 36.4 18.1 54.3
 77 31.7 25.8 38.6



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: 24.170 ug/l

RT: 7.25 min Scan# 877

Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

ClientSampled :

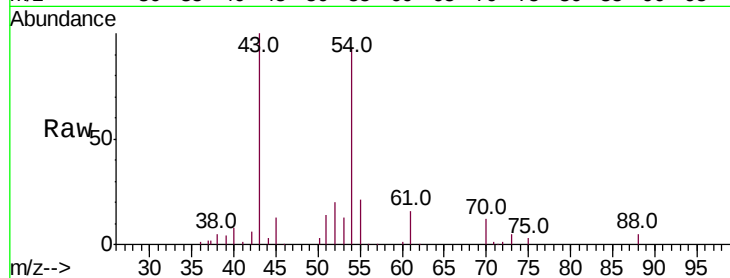
Tot Ion: 43 Resp: 44514

Ion Ratio Lower Upper

43 100

61 13.2 10.9 16.3

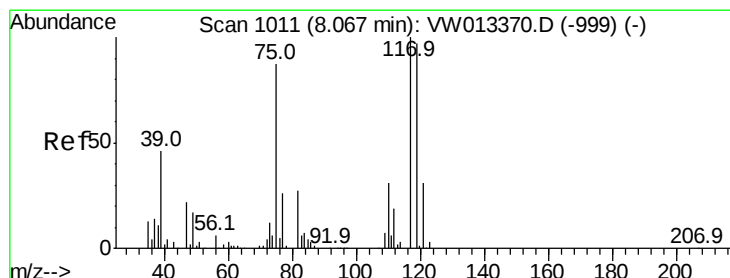
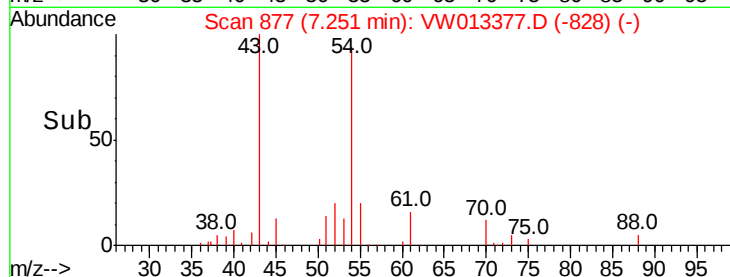
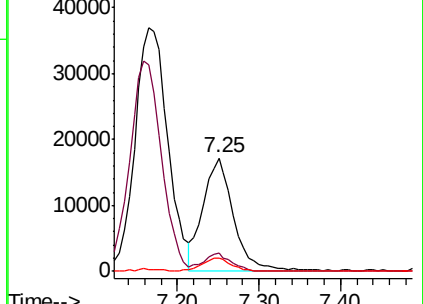
70 11.4 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 19.527 ug/l

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

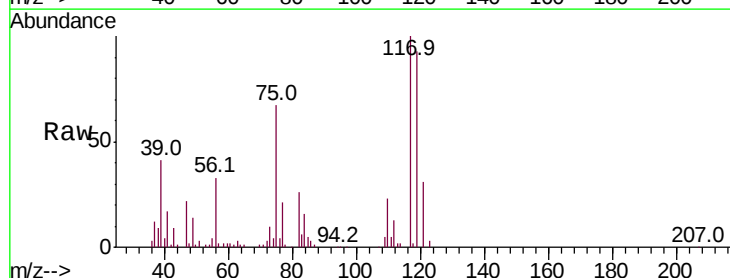
Tgt Ion: 117 Resp: 70814

Ion Ratio Lower Upper

117 100

119 93.2 73.5 110.3

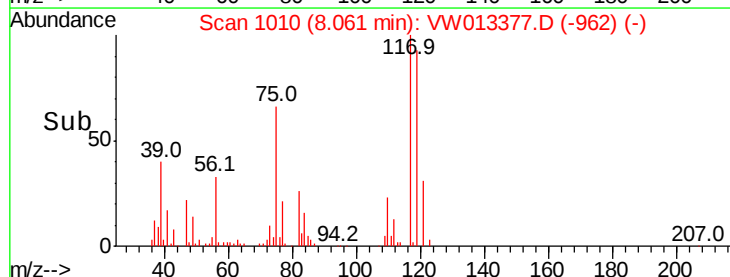
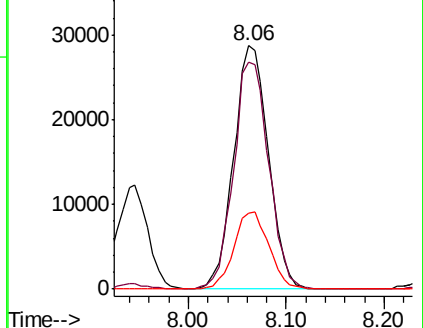
121 31.0 25.0 37.6

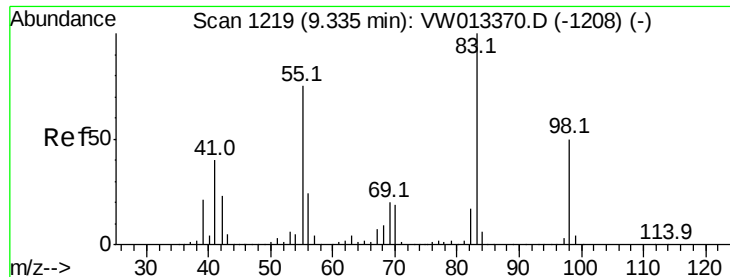


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

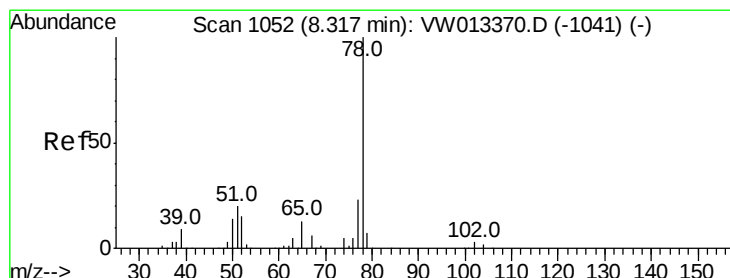
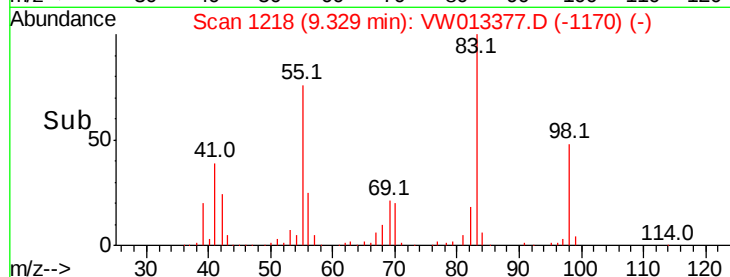
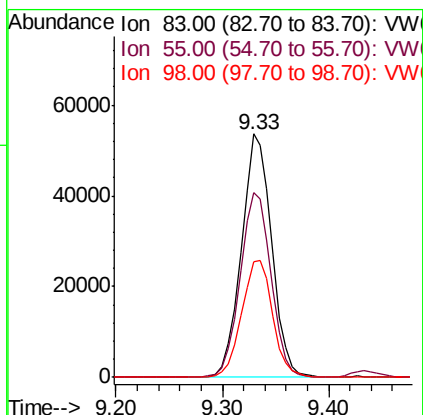
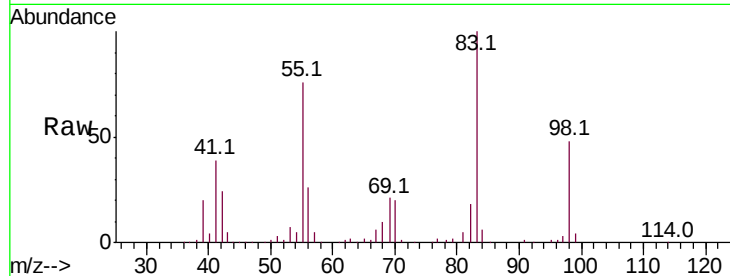




#39
Methvlcvclohexane
Concen: 19.399 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

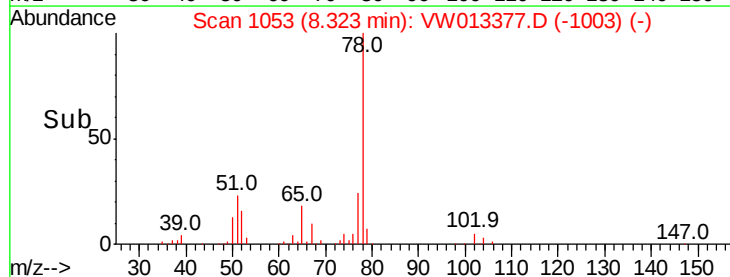
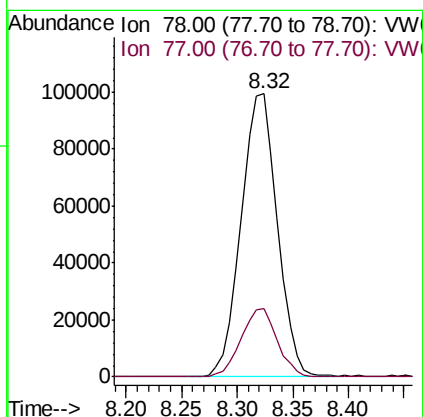
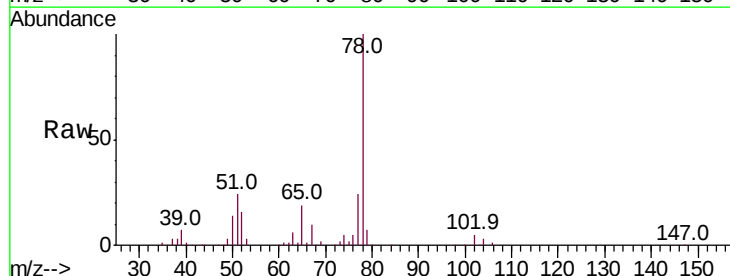
Instrument :
MSVOA_W
ClientSampled :

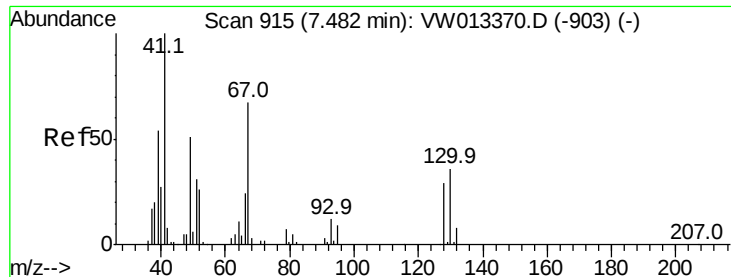
Tot Ion: 83 Resp: 106953
Ion Ratio Lower Upper
83 100
55 75.9 60.4 90.6
98 47.6 40.0 60.0



#40
Benzene
Concen: 19.000 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Tgt Ion: 78 Resp: 225163
Ion Ratio Lower Upper
78 100
77 24.0 19.1 28.7

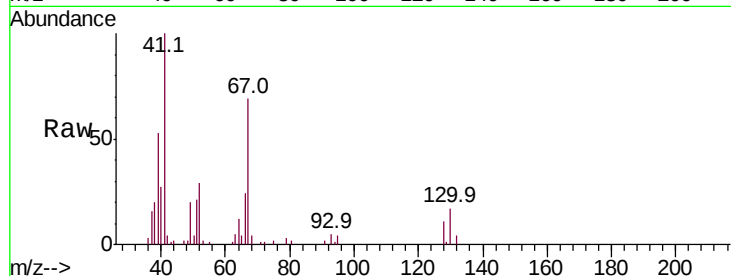




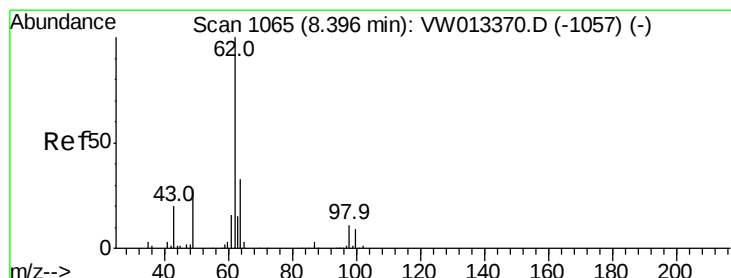
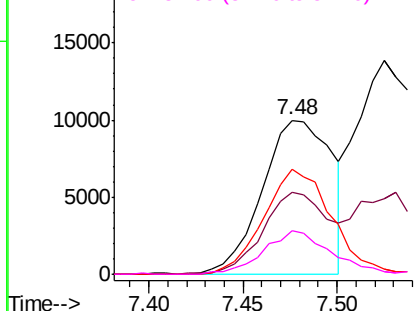
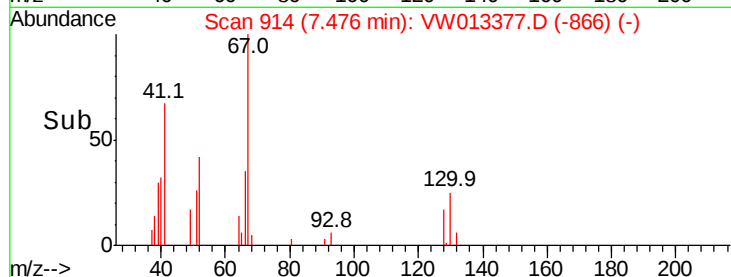
#41
Methacrylonitrile
Concen: 23.024 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	25649
Ion	Ratio	Lower	Upper
41	100		
39	50.0	45.9	68.9
67	66.7	54.5	81.7
52	26.9	22.5	33.7

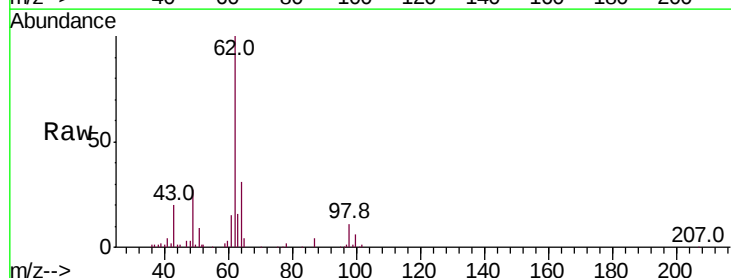


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

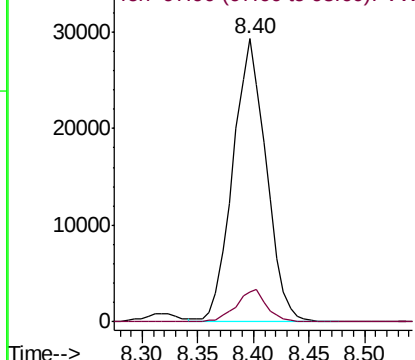
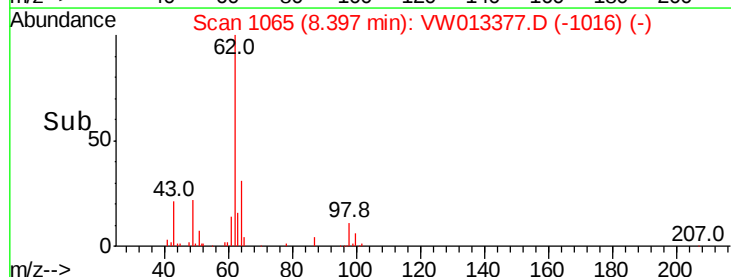


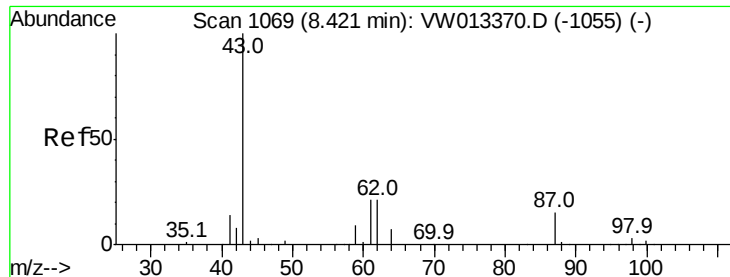
#42
1,2-Dichloroethane
Concen: 20.036 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Tgt Ion:	62	Resp:	61025
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.6



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





#43

Isopropyl Acetate

Concen: 21.707 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

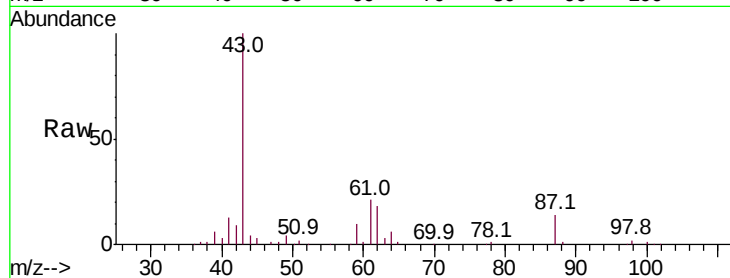
Tot Ion: 43 Resp: 75485

Ion Ratio Lower Upper

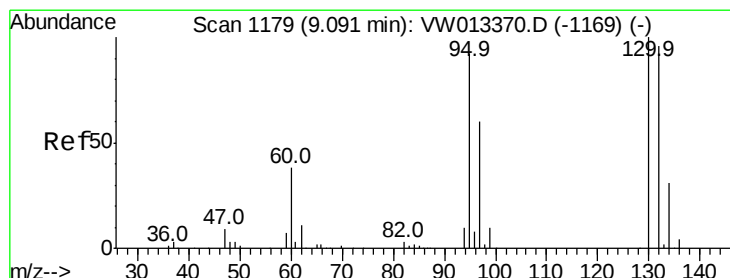
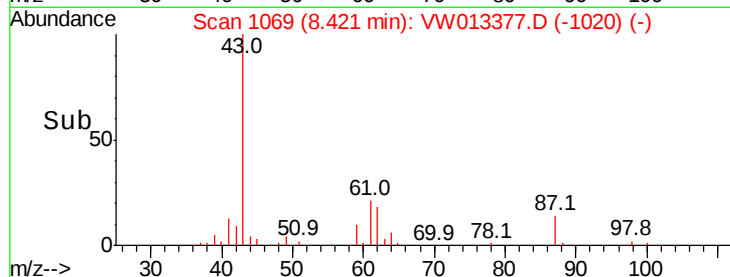
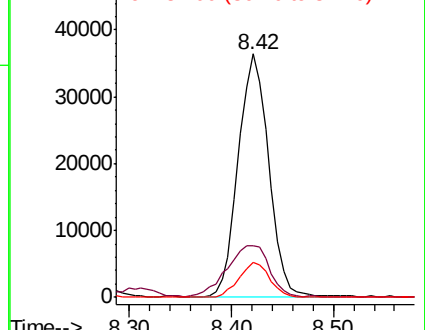
43 100

61 29.2 25.5 38.3

87 14.3 11.0 16.4



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



#44

Trichloroethene

Concen: 18.905 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW013377.D

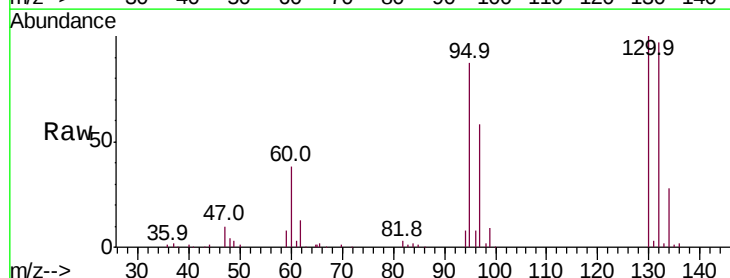
Acq: 02 Oct 2019 14:45

Tgt Ion: 130 Resp: 63090

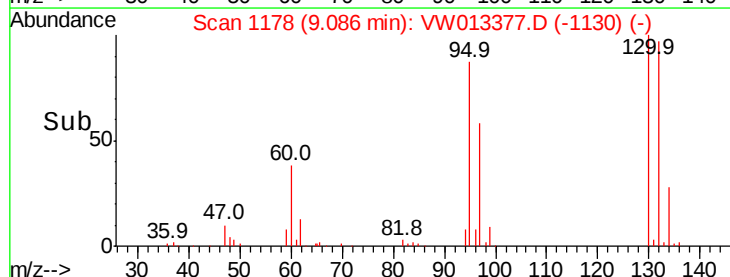
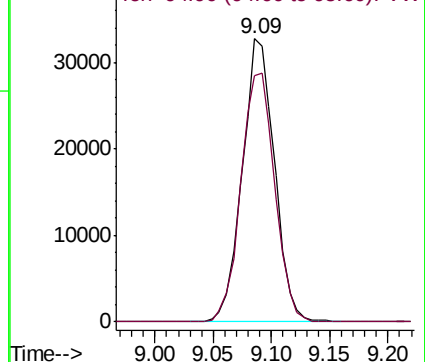
Ion Ratio Lower Upper

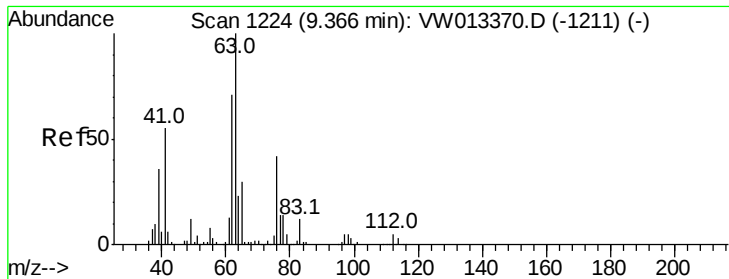
130 100

95 87.0 0.0 188.0



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





#45

1,2-Dichloropropane

Concen: 19.102 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

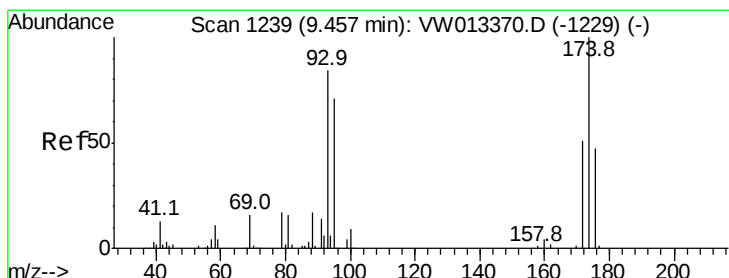
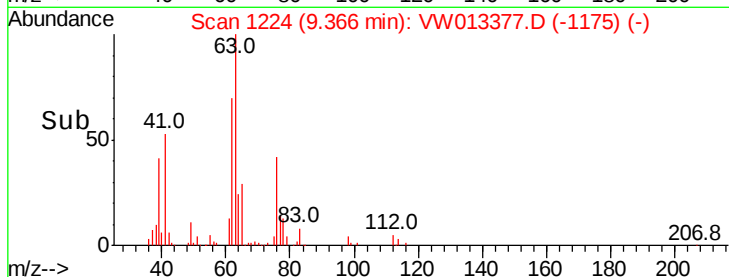
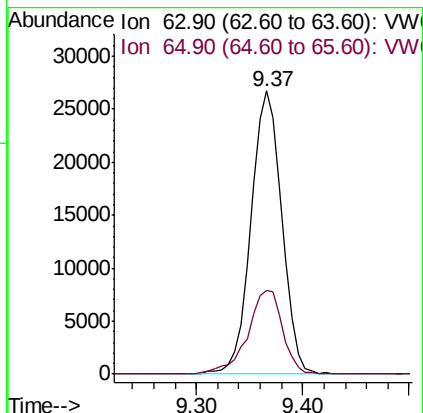
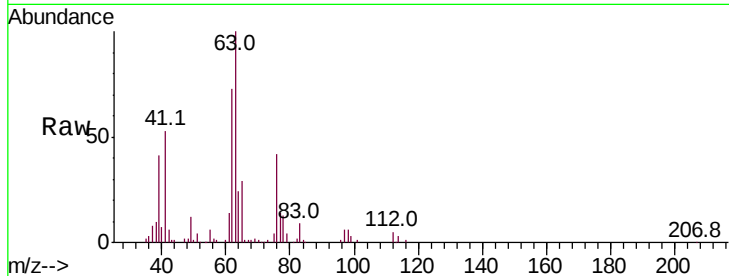
ClientSampleId :

Tot Ion: 63 Resp: 54353

Ion Ratio Lower Upper

63 100

65 29.4 25.3 37.9



#46

Dibromomethane

Concen: 20.063 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

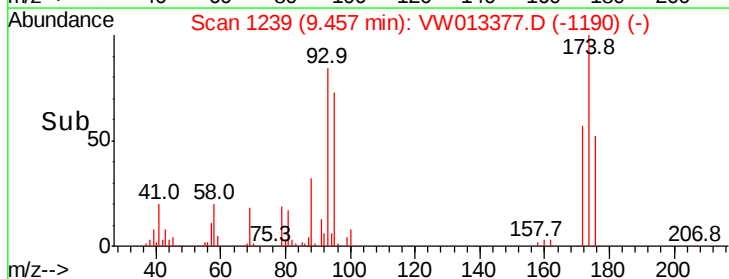
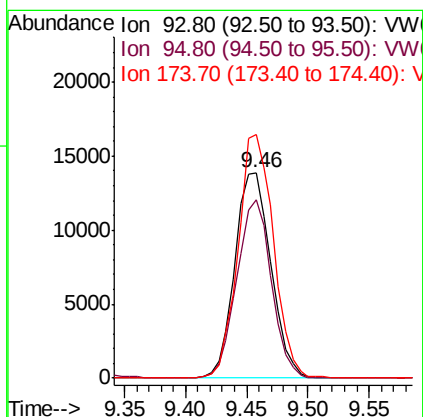
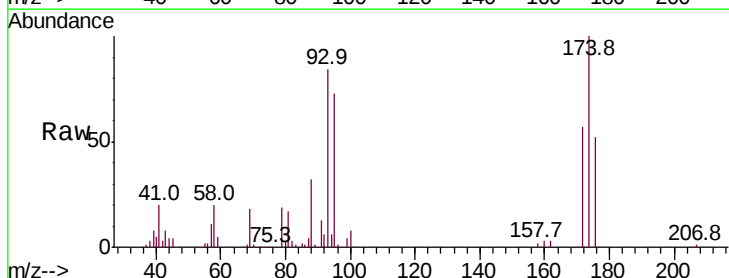
Tgt Ion: 93 Resp: 28434

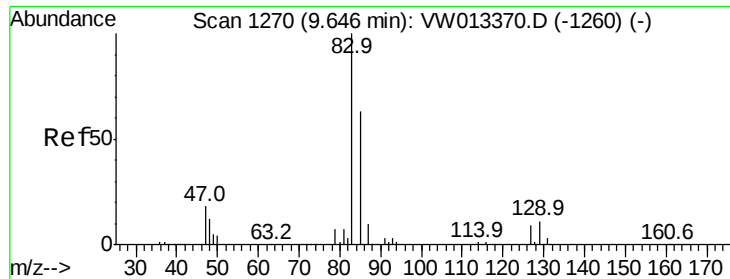
Ion Ratio Lower Upper

93 100

95 83.4 66.4 99.6

174 116.4 93.0 139.6





#47

Bromodichloromethane

Concen: 18.787 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

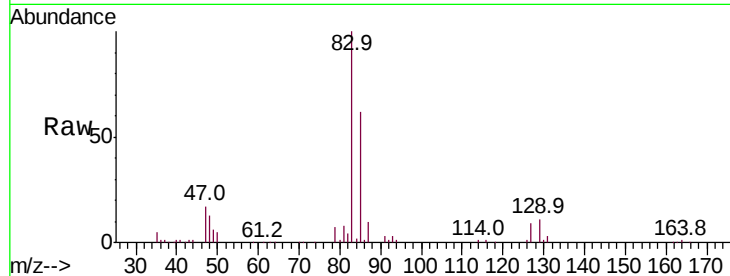
Tot Ion: 83 Resp: 65545

Ion Ratio Lower Upper

83 100

85 62.3 49.4 74.2

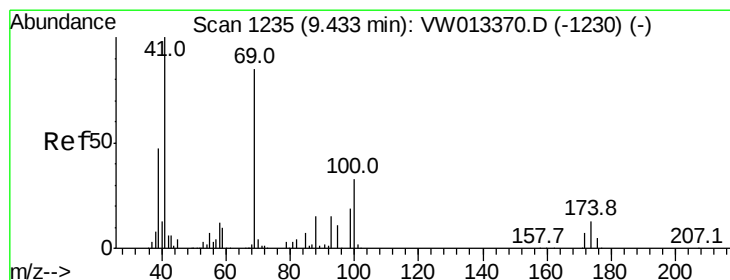
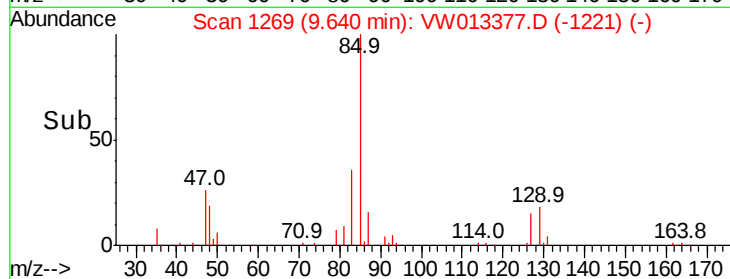
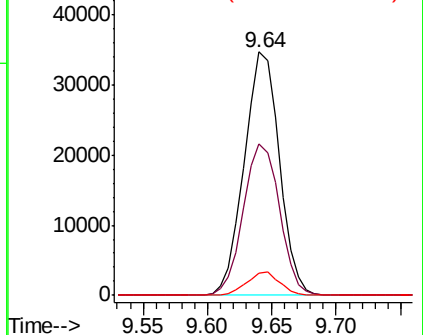
127 9.3 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 22.438 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

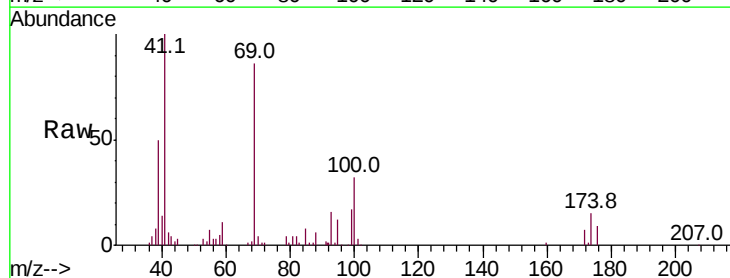
Tgt Ion: 41 Resp: 37490

Ion Ratio Lower Upper

41 100

69 84.7 69.7 104.5

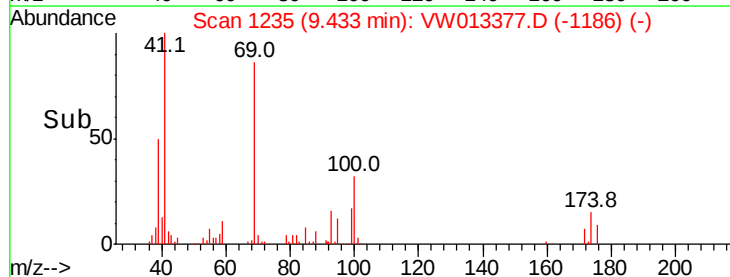
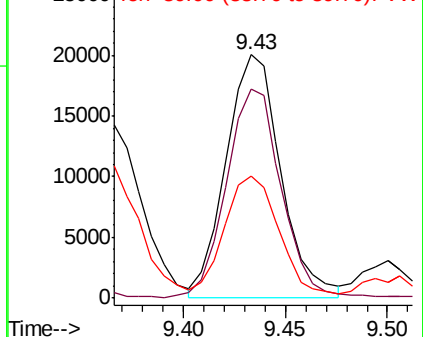
39 46.9 41.1 61.7

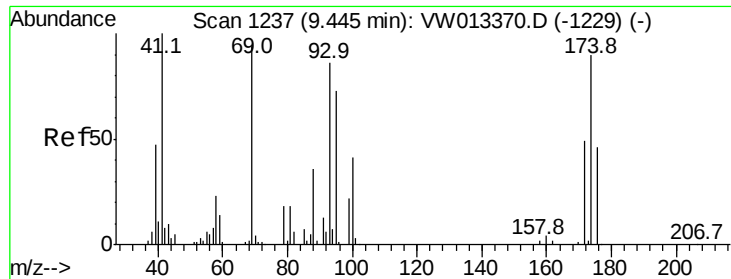


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 520.482 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

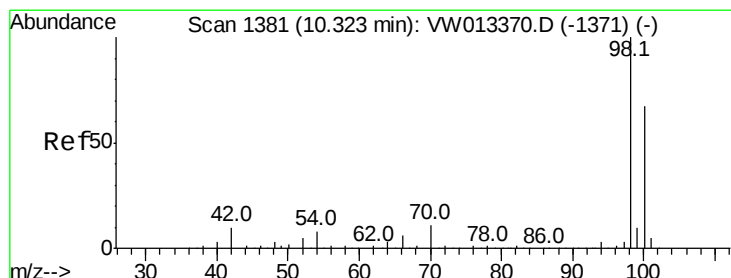
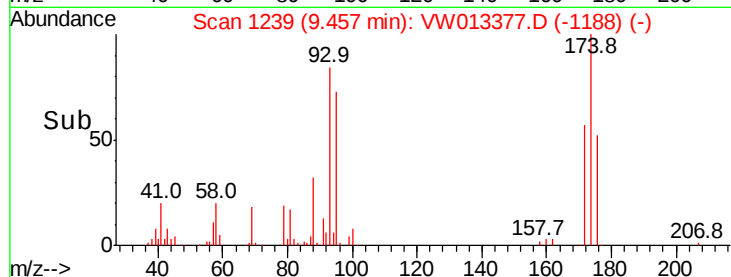
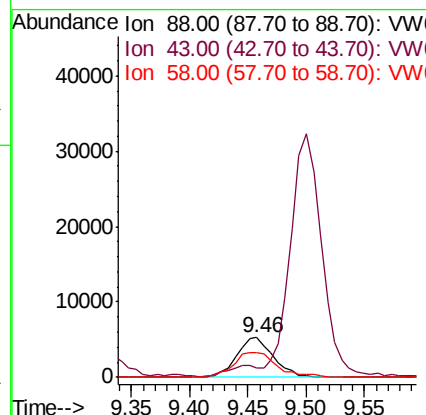
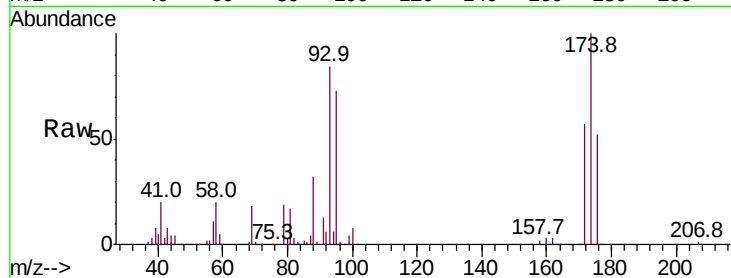
Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 88 Resp: 11594

Ion	Ratio	Lower	Upper
88	100		
43	26.2	0.0	0.0#
58	73.4	65.4	98.0



#50

Toluene-d8

Concen: 53.268 ug/l

RT: 10.32 min Scan# 1381

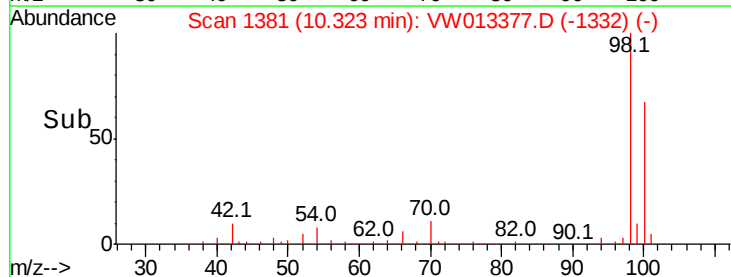
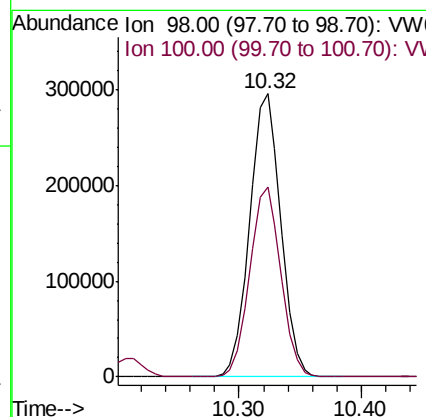
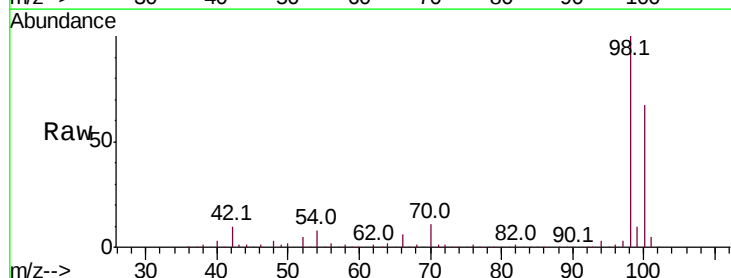
Delta R.T. 0.00 min

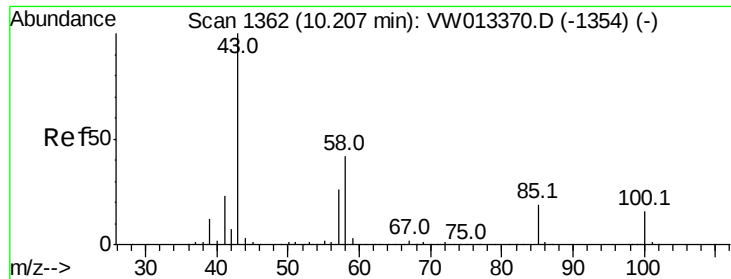
Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Tgt Ion: 98 Resp: 522802

Ion	Ratio	Lower	Upper
98	100		
100	66.9	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 112.248 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

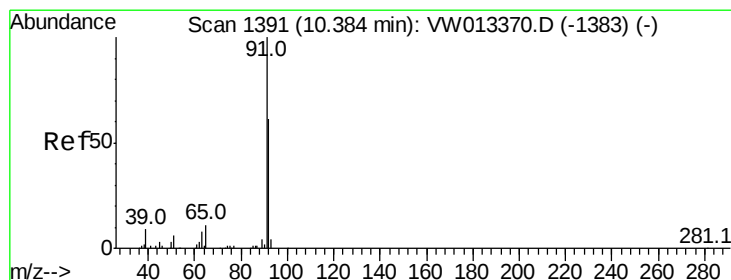
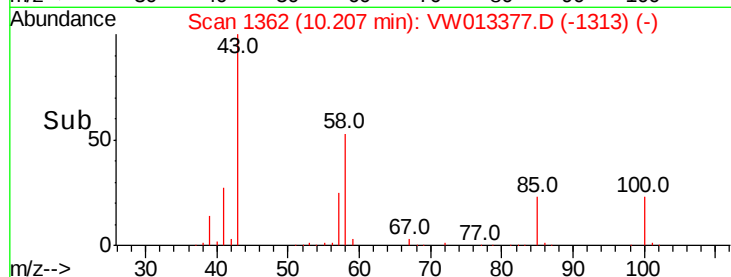
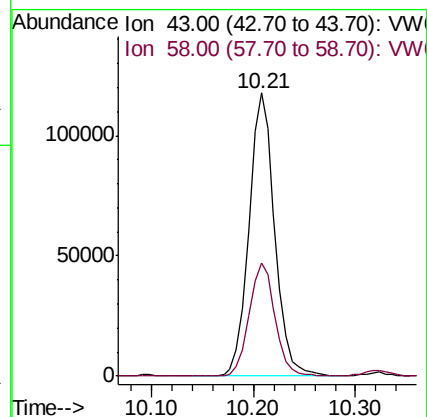
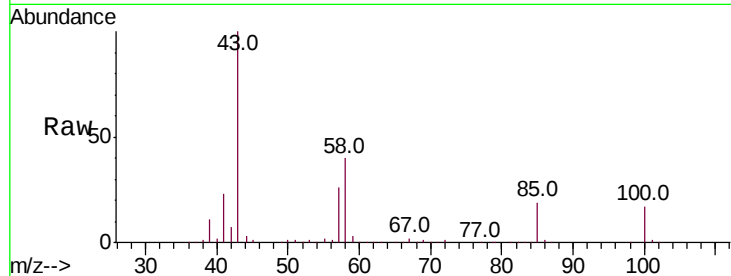
ClientSampleId :

Tot Ion: 43 Resp: 205079

Ion Ratio Lower Upper

43 100

58 40.3 31.7 47.5



#52

Toluene

Concen: 19.045 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013377.D

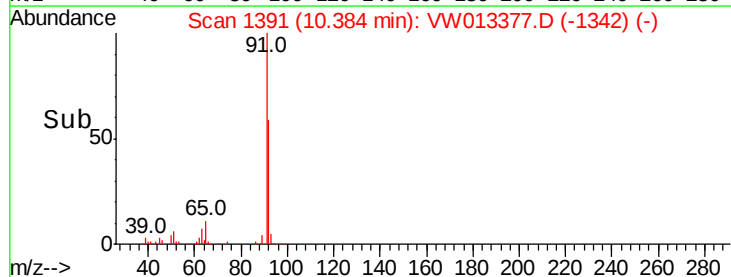
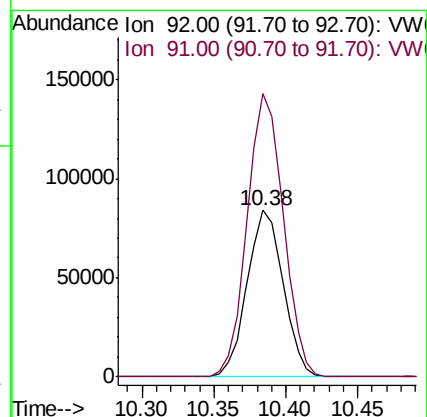
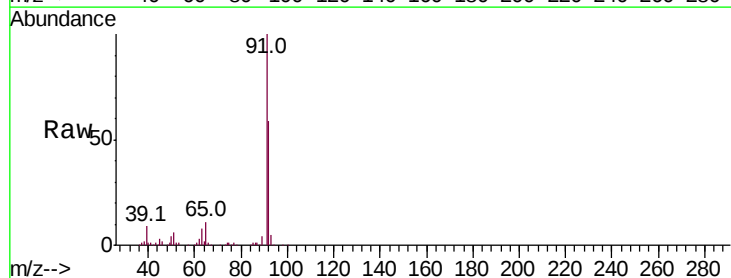
Acq: 02 Oct 2019 14:45

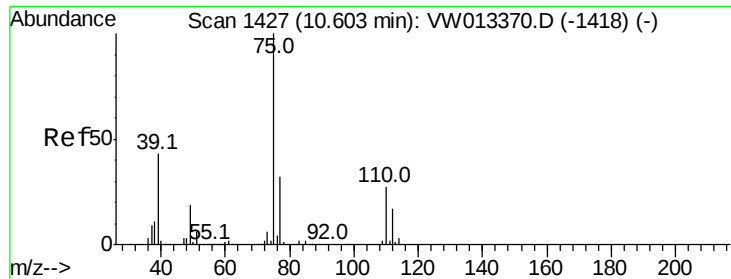
Tgt Ion: 92 Resp: 145575

Ion Ratio Lower Upper

92 100

91 170.9 135.7 203.5

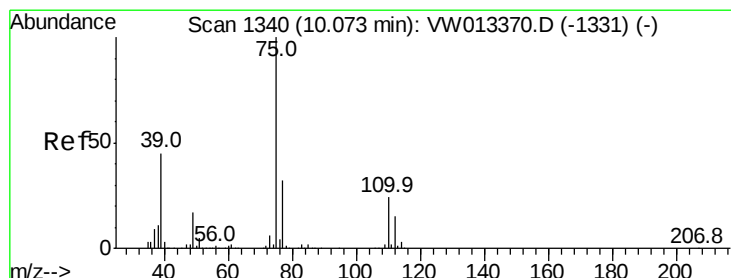
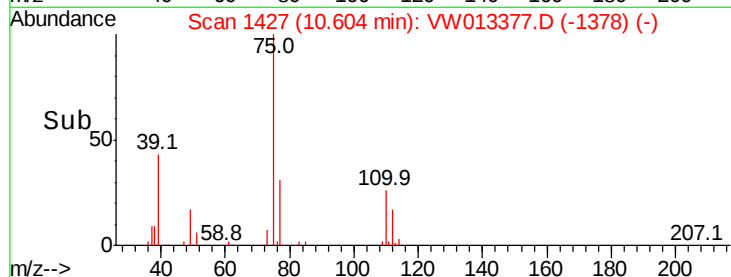
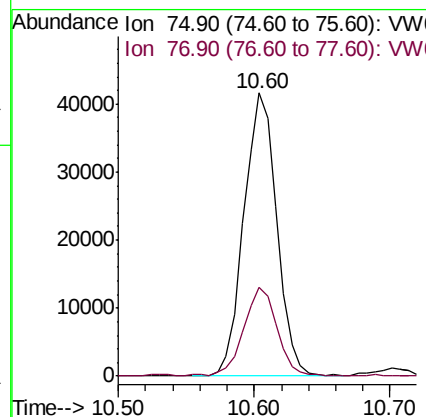
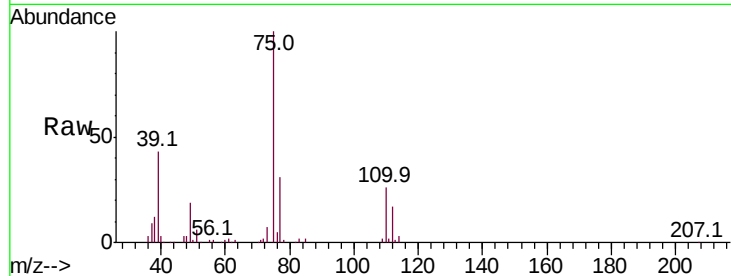




#53
 t-1,3-Dichloropropene
 Concen: 19.458 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW013377.D
 Acq: 02 Oct 2019 14:45

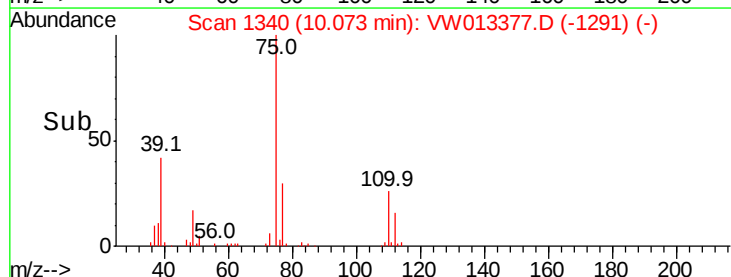
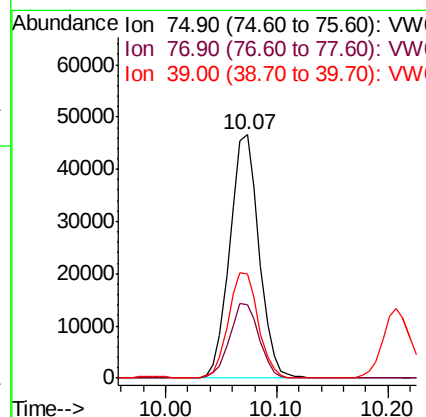
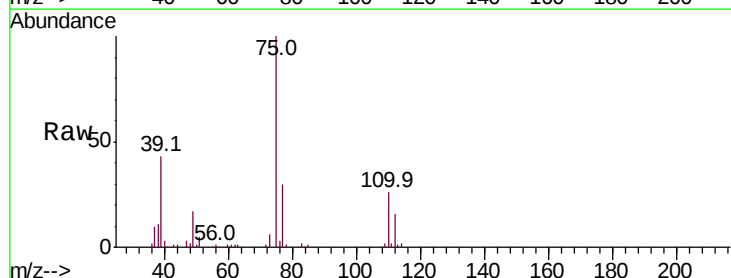
Instrument :
 MSVOA_W
 ClientSampleId :

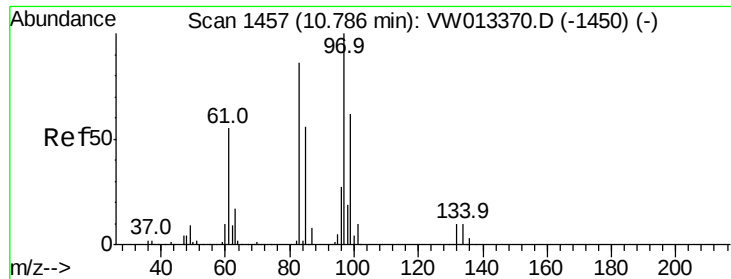
Tot Ion: 75 Resp: 70613
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.5 38.3



#54
 cis-1,3-Dichloropropene
 Concen: 19.224 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW013377.D
 Acq: 02 Oct 2019 14:45

Tgt Ion: 75 Resp: 84584
 Ion Ratio Lower Upper
 75 100
 77 29.9 25.2 37.8
 39 42.5 36.6 55.0





#55

1,1,2-Trichloroethane

Concen: 20.530 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 97 Resp: 43405

Ion	Ratio	Lower	Upper
97	100		
83	82.2	67.6	101.4
85	58.9	41.9	62.9
99	62.9	50.1	75.1

Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW

10.79

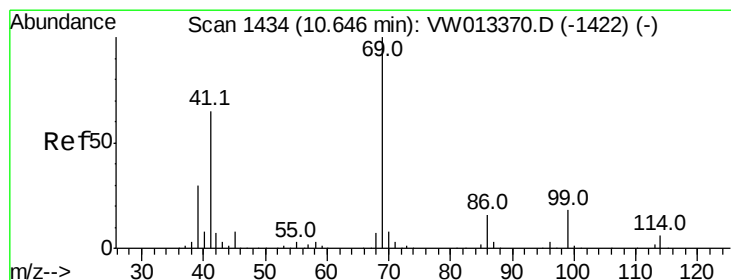
20000

10000

0

Time-->

10.70 10.75 10.80 10.85



#56

Ethyl methacrylate

Concen: 21.067 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Tgt Ion: 69 Resp: 59951

Ion	Ratio	Lower	Upper
69	100		
41	64.1	53.9	80.9
39	27.2	23.8	35.6

Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

10.65

40000

30000

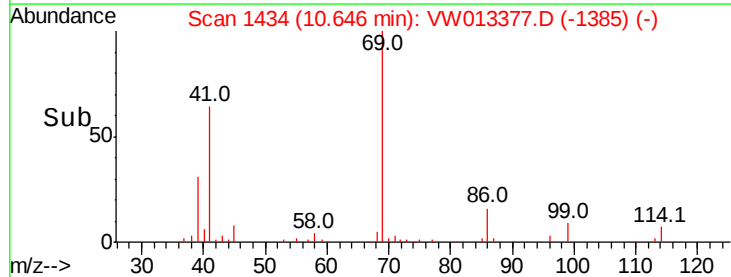
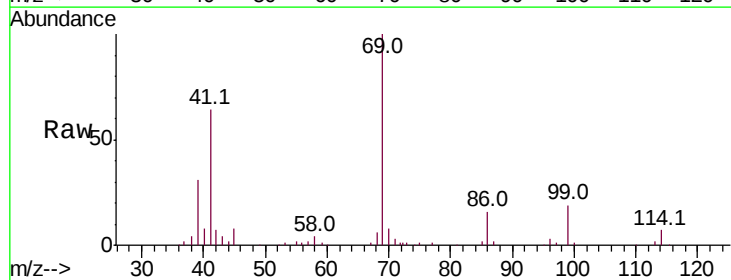
20000

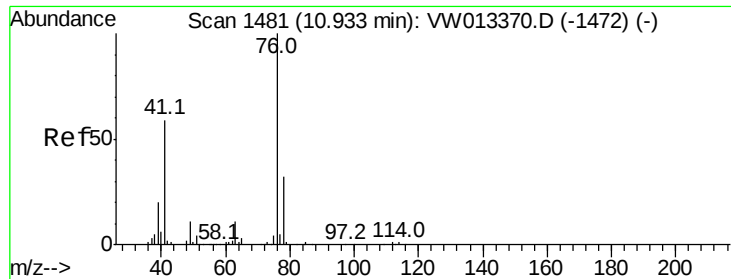
10000

0

Time-->

10.60 10.65 10.70





#57

1,3-Dichloropropane

Concen: 20.021 ug/l

RT: 10.93 min Scan# 1480

Delta R.T. -0.01 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

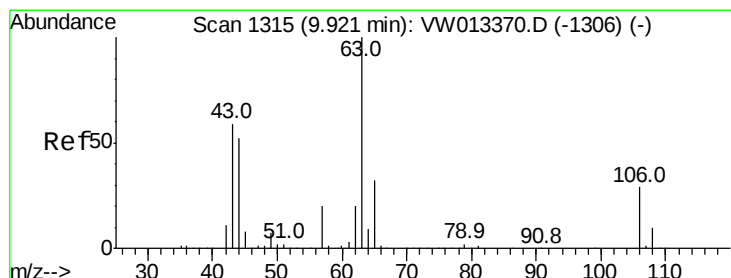
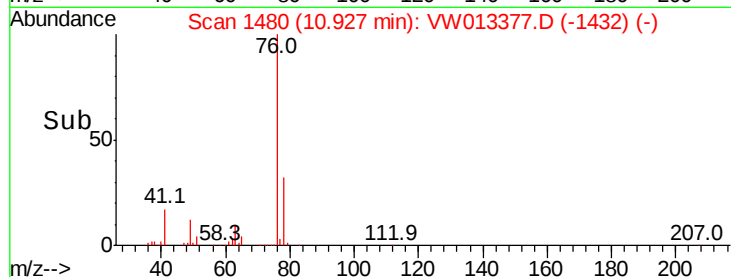
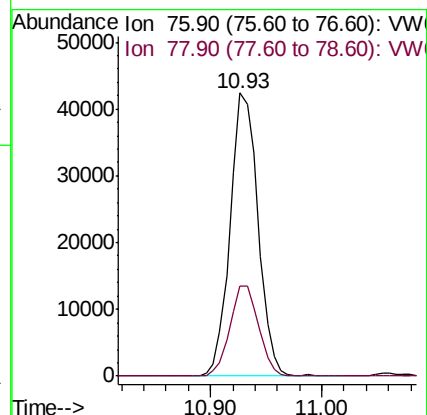
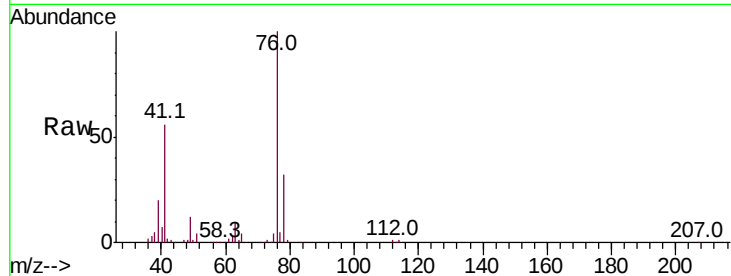
ClientSampleId :

Tot Ion: 76 Resp: 73587

Ion Ratio Lower Upper

76 100

78 32.9 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 118.637 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW013377.D

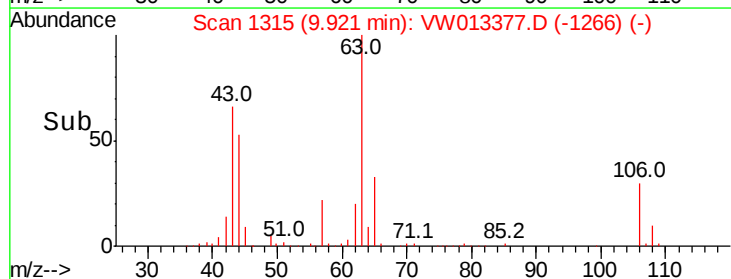
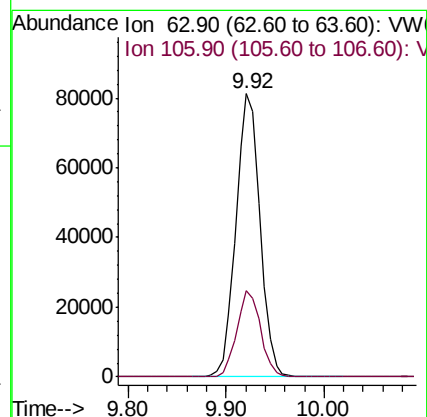
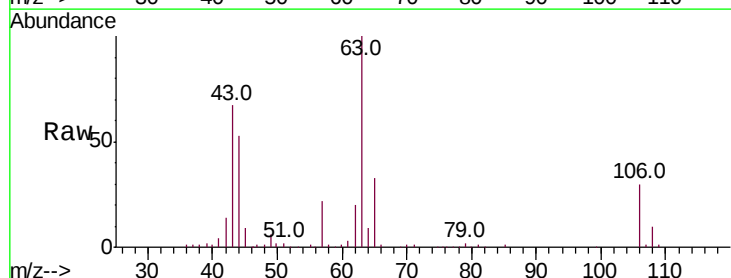
Acq: 02 Oct 2019 14:45

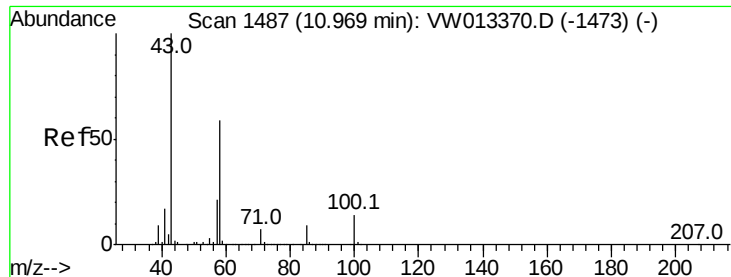
Tgt Ion: 63 Resp: 138680

Ion Ratio Lower Upper

63 100

106 29.9 23.4 35.0

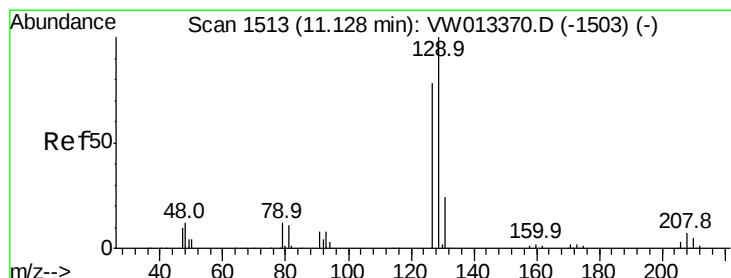
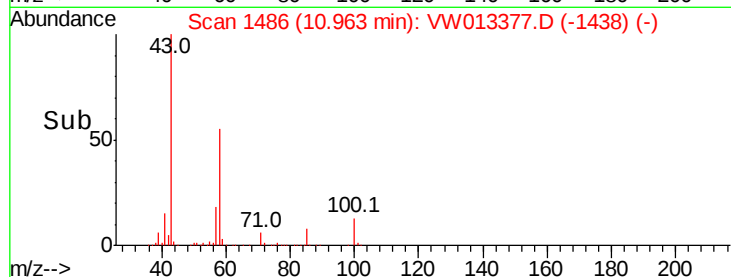
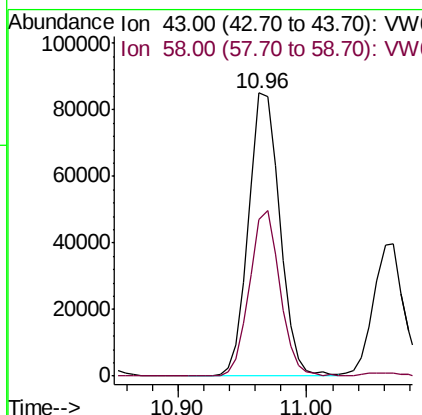
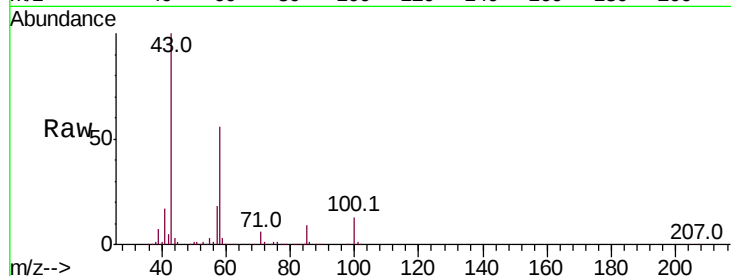




#59
2-Hexanone
Concen: 113.065 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

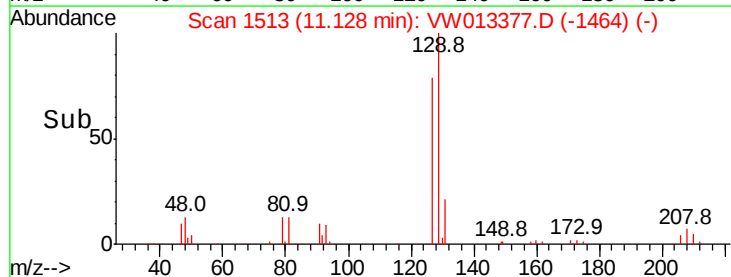
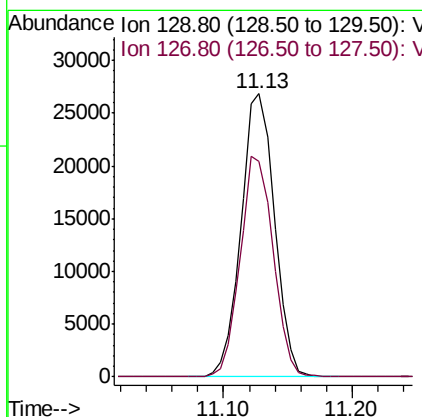
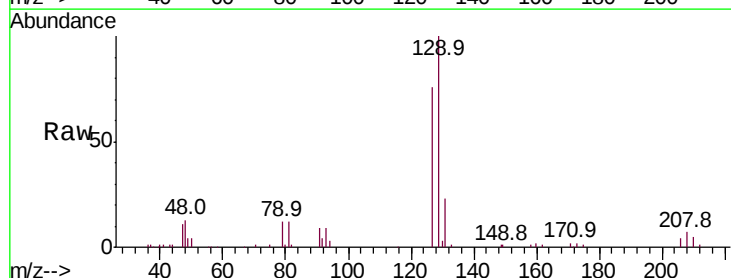
Instrument :
MSVOA_W
ClientSampleId :

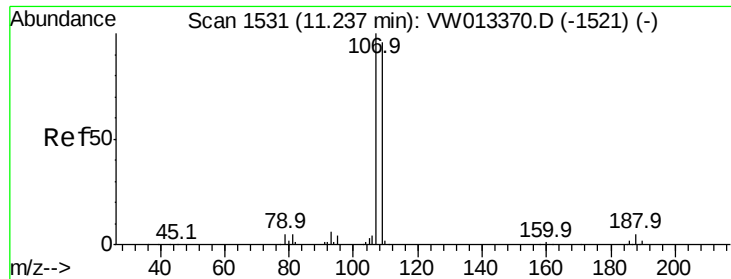
Tot Ion: 43 Resp: 143180
Ion Ratio Lower Upper
43 100
58 56.9 28.1 84.2



#60
Dibromochloromethane
Concen: 19.917 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Tgt Ion: 129 Resp: 48172
Ion Ratio Lower Upper
129 100
127 77.0 38.8 116.4

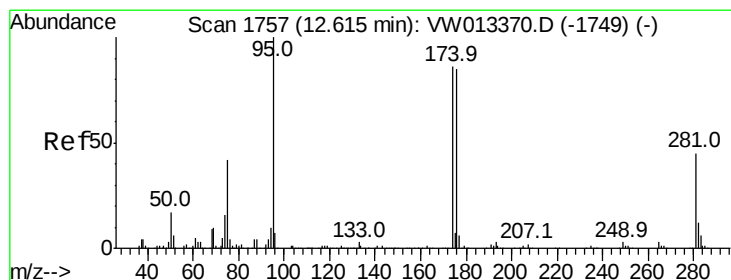
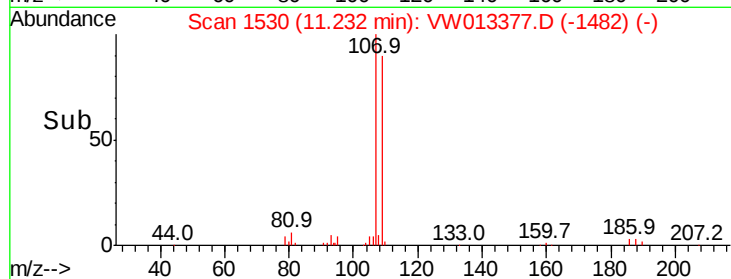
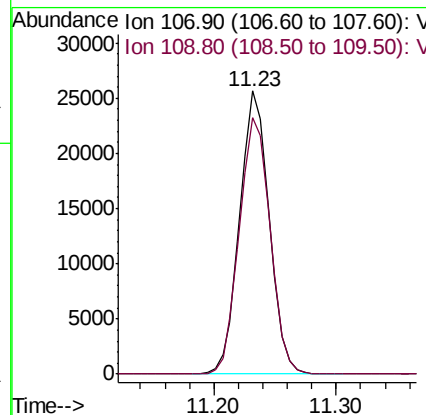
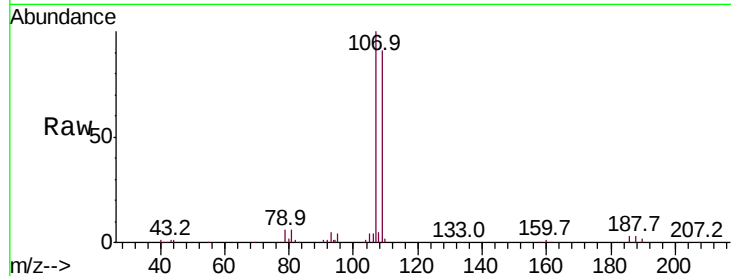




#61
 1,2-Dibromoethane
 Concen: 20.994 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013377.D
 Acq: 02 Oct 2019 14:45

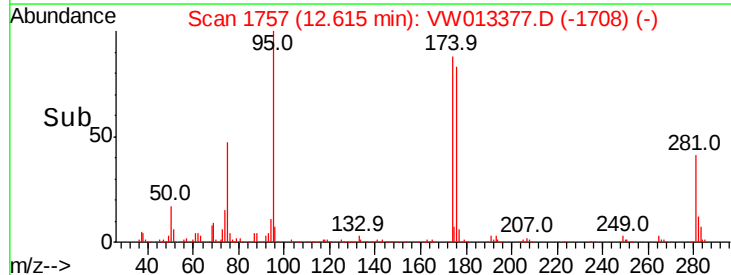
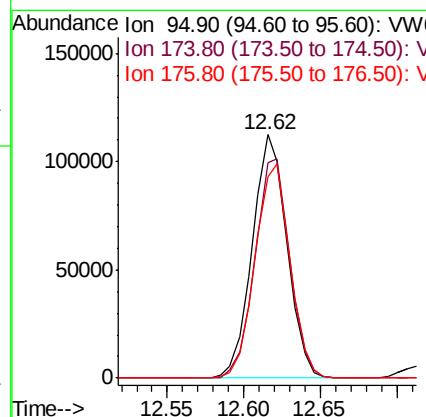
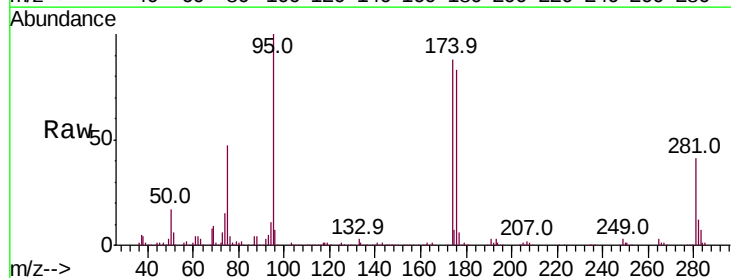
Instrument :
 MSVOA_W
 ClientSampleId :

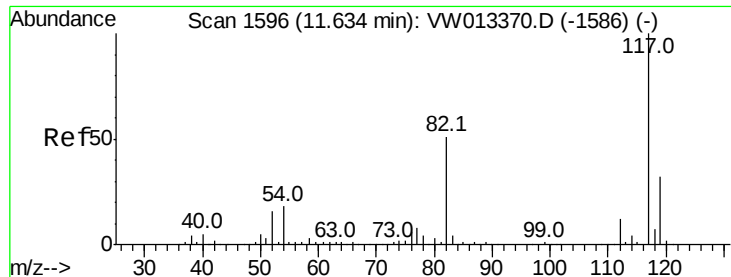
Tot Ion:107 Resp: 42890
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 54.137 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013377.D
 Acq: 02 Oct 2019 14:45

Tgt Ion: 95 Resp: 177432
 Ion Ratio Lower Upper
 95 100
 174 90.9 0.0 178.4
 176 88.7 0.0 172.2

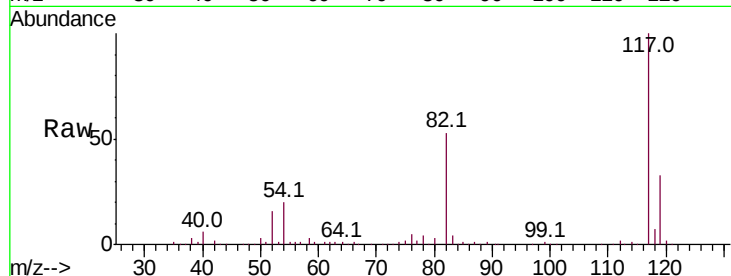




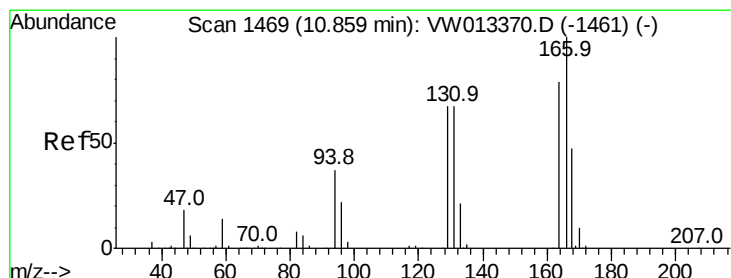
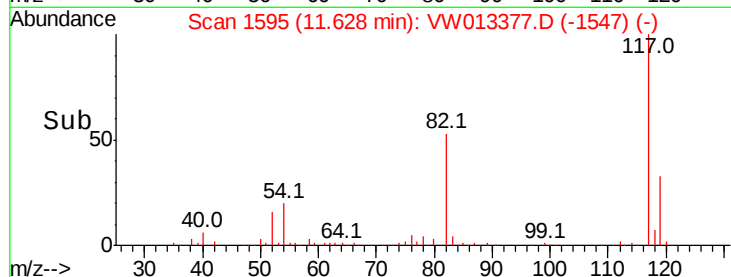
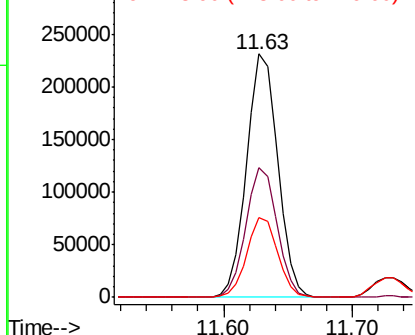
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 386144
Ion Ratio Lower Upper
117 100
82 53.2 45.9 68.9
119 32.8 26.2 39.2



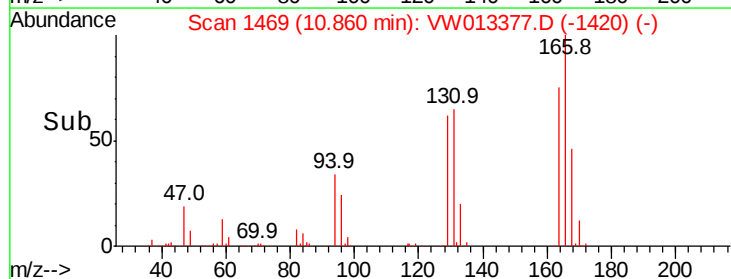
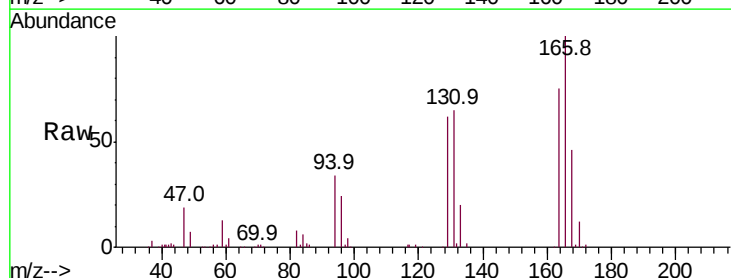
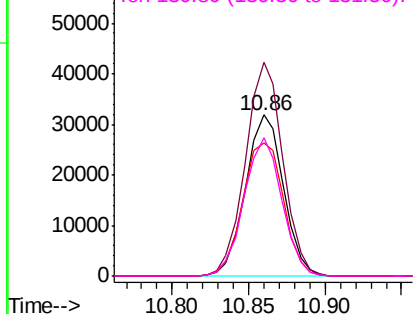
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VV
Ion 118.90 (118.60 to 119.60): V

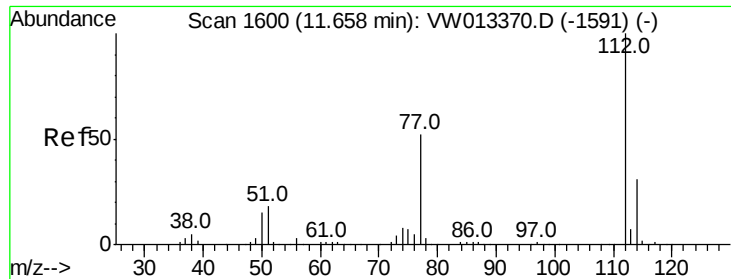


#64
Tetrachloroethene
Concen: 18.691 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Tgt Ion:164 Resp: 54909
Ion Ratio Lower Upper
164 100
166 132.9 101.2 151.8
129 82.9 68.8 103.2
131 86.1 65.2 97.8

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

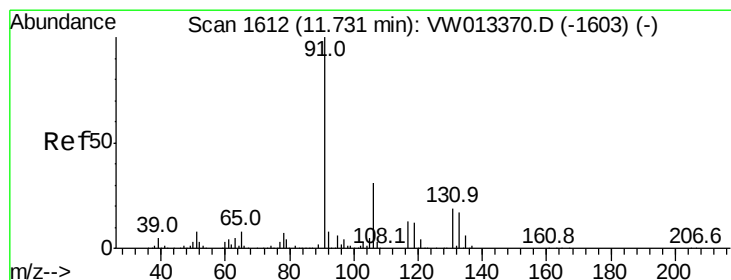
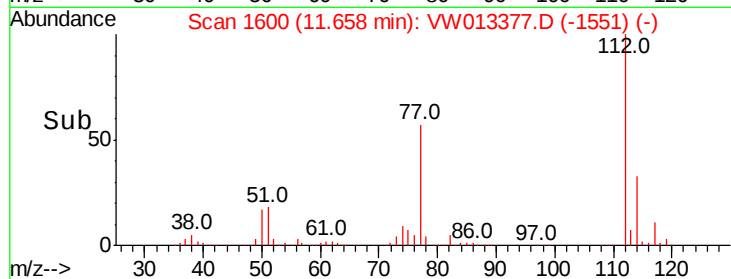
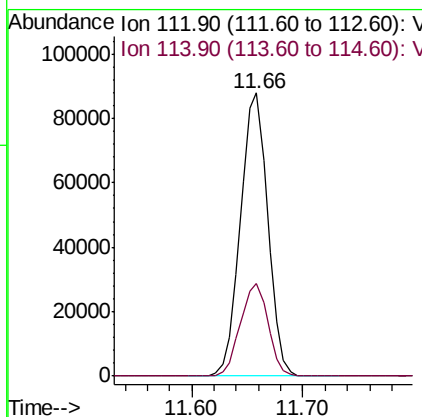
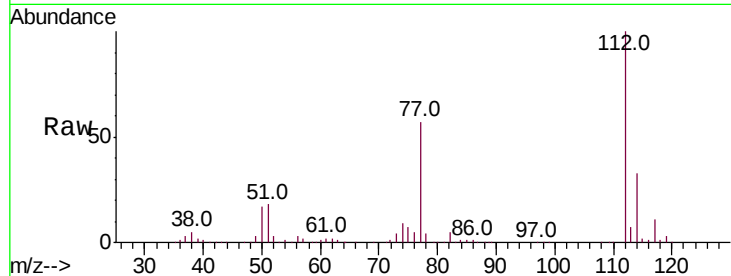




#65
Chlorobenzene
Concen: 18.914 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

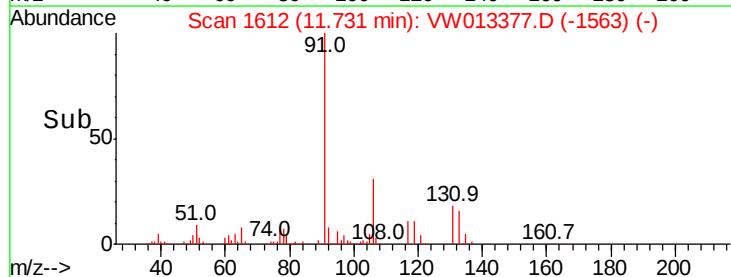
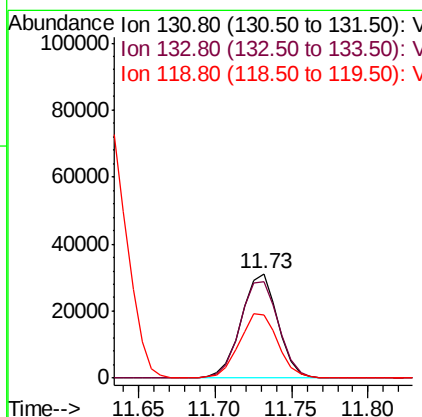
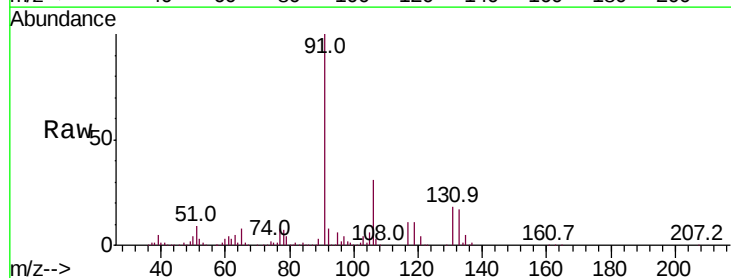
Instrument :
MSVOA_W
ClientSampled :

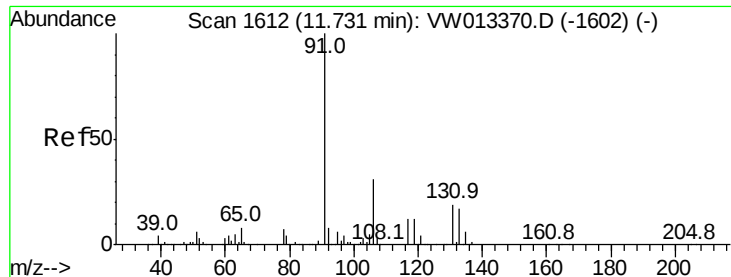
Tot Ion:112 Resp: 149627
Ion Ratio Lower Upper
112 100
114 32.9 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 19.234 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Tgt Ion:131 Resp: 51825
Ion Ratio Lower Upper
131 100
133 97.2 47.5 142.6
119 64.6 32.5 97.5

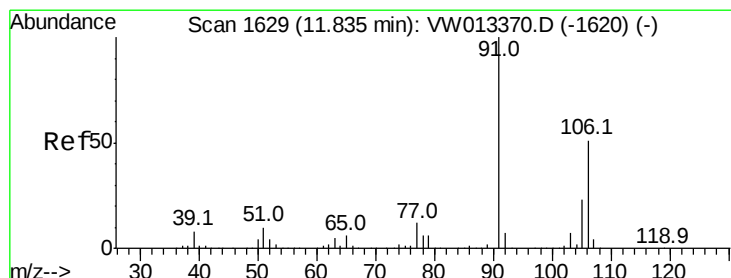
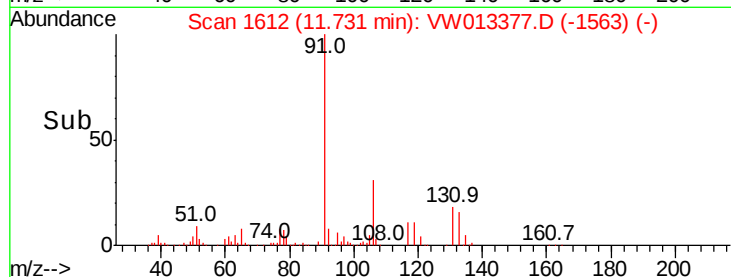
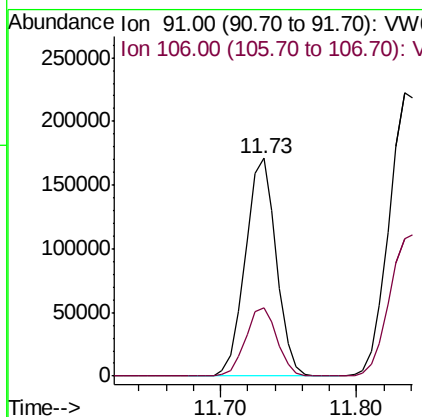
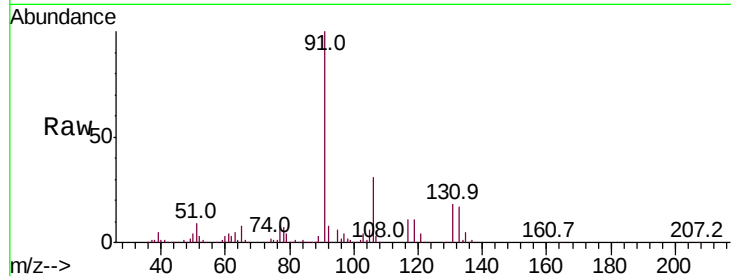




#67
Ethyl Benzene
Concen: 19.209 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

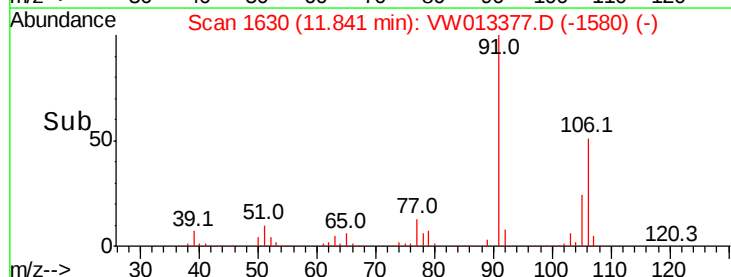
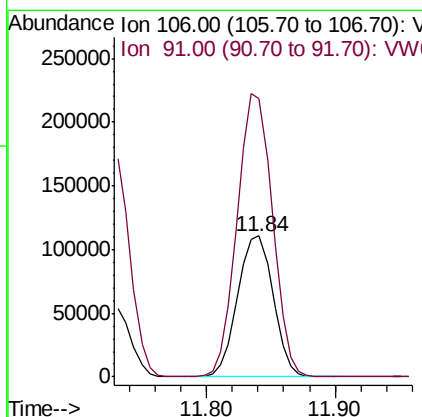
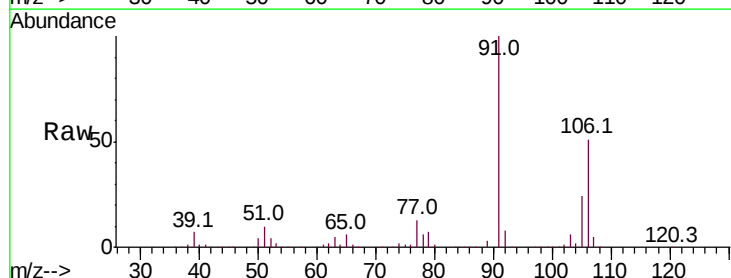
Instrument :
MSVOA_W
ClientSampled :

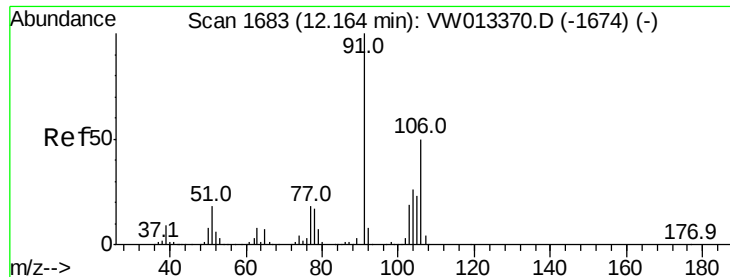
Tot Ion: 91 Resp: 272350
Ion Ratio Lower Upper
91 100
106 31.4 24.9 37.3



#68
m/p-Xylenes
Concen: 38.813 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Tgt Ion: 106 Resp: 212411
Ion Ratio Lower Upper
106 100
91 198.7 157.9 236.9

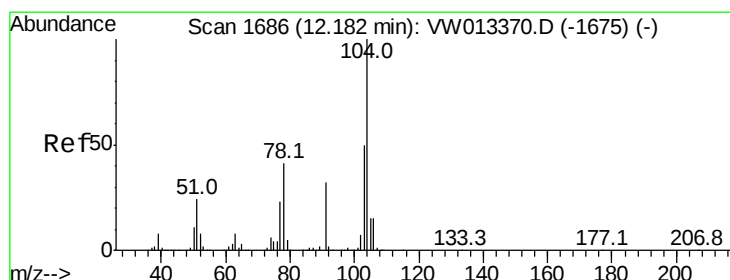
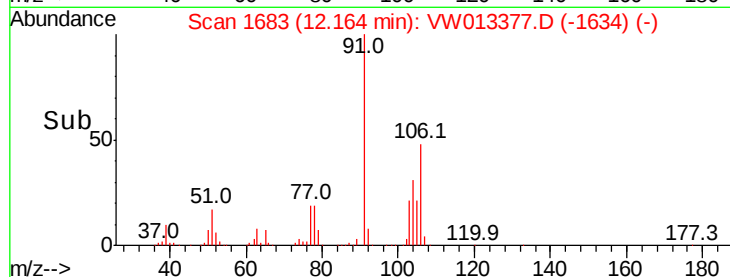
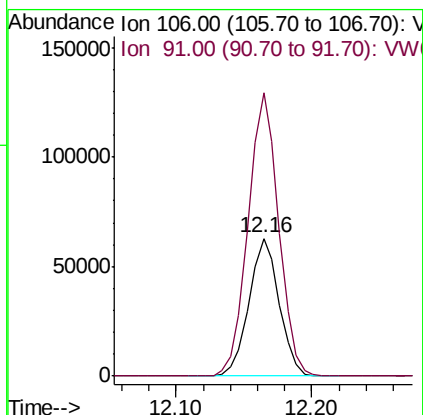
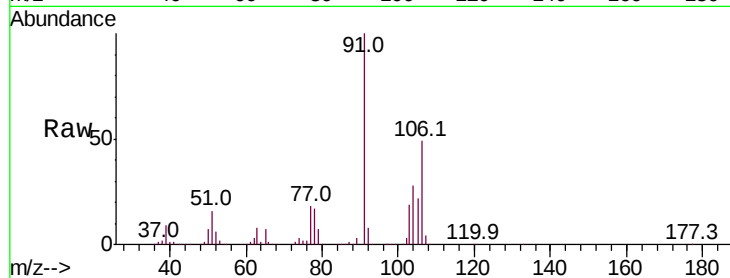




#69
o-Xylene
Concen: 19.357 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

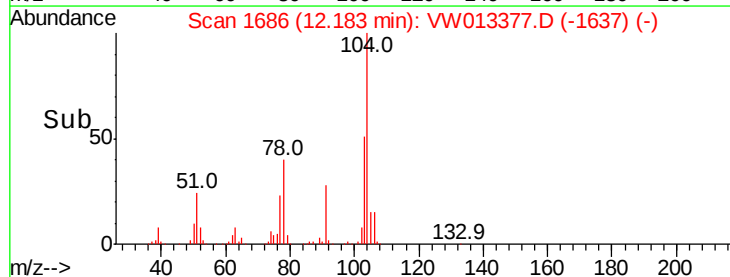
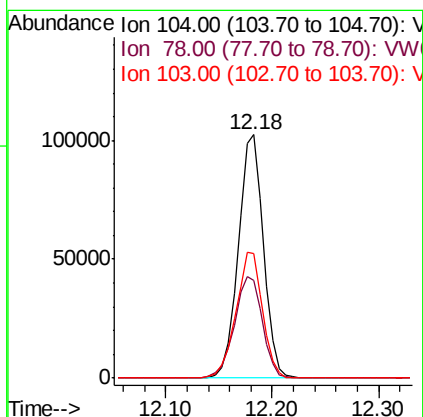
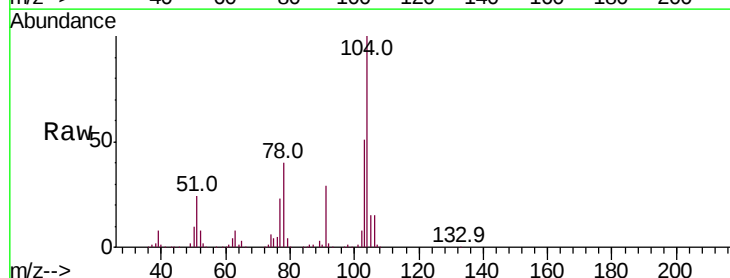
Instrument :
MSVOA_W
ClientSampled :

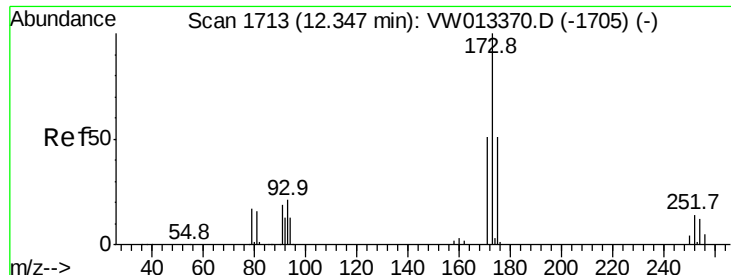
Tot Ion:106 Resp: 97946
Ion Ratio Lower Upper
106 100
91 208.0 106.5 319.5



#70
Styrene
Concen: 19.554 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Tgt Ion:104 Resp: 169135
Ion Ratio Lower Upper
104 100
78 46.5 38.4 57.6
103 54.7 43.3 64.9

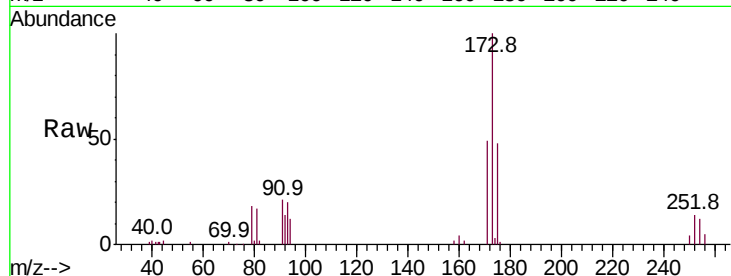




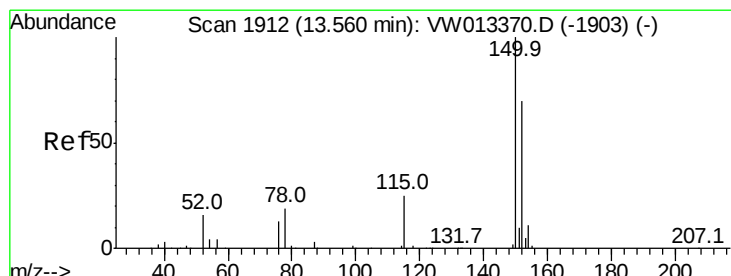
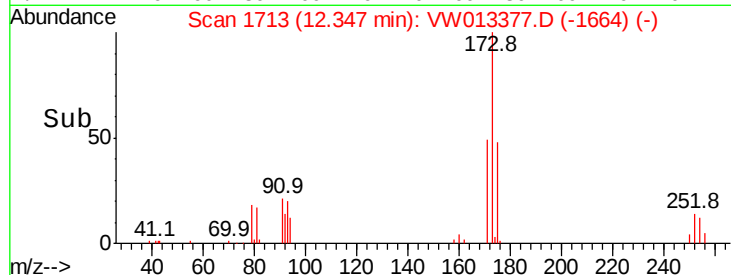
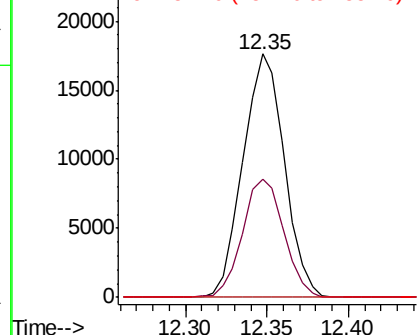
#71
Bromoform
Concen: 21.237 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:173 Resp: 31024
Ion Ratio Lower Upper
173 100
175 49.0 24.3 73.0
254 0.0 0.1 0.1#

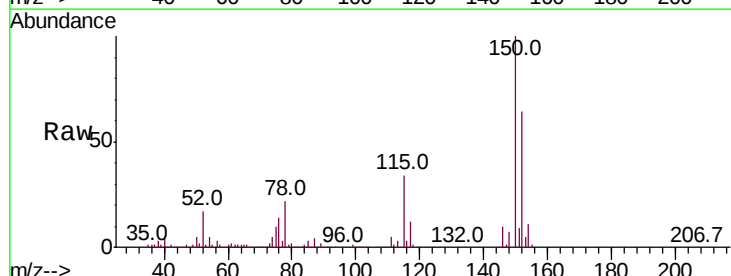


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

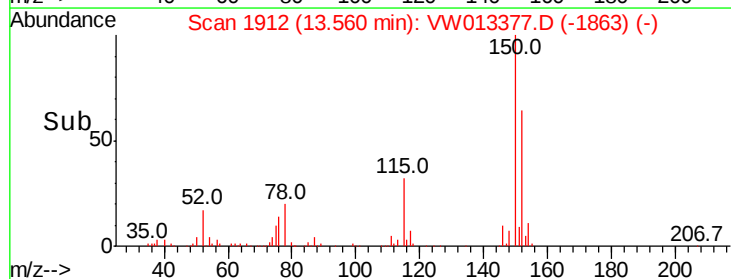
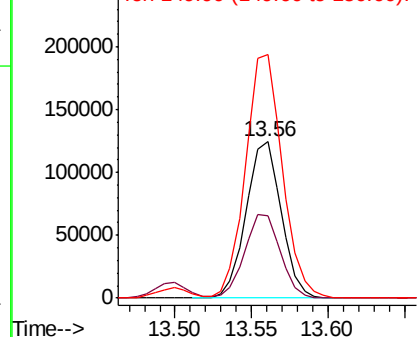


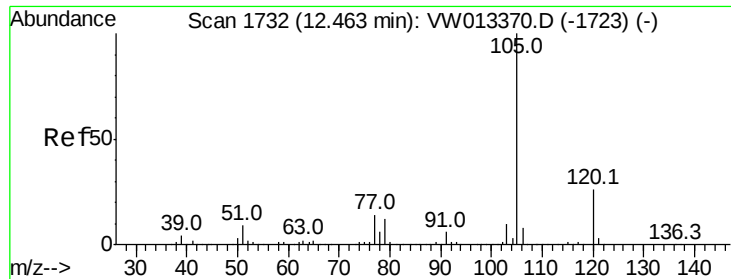
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Tgt Ion:152 Resp: 198500
Ion Ratio Lower Upper
152 100
115 54.4 27.3 81.9
150 163.6 0.0 349.0



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: 19.047 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

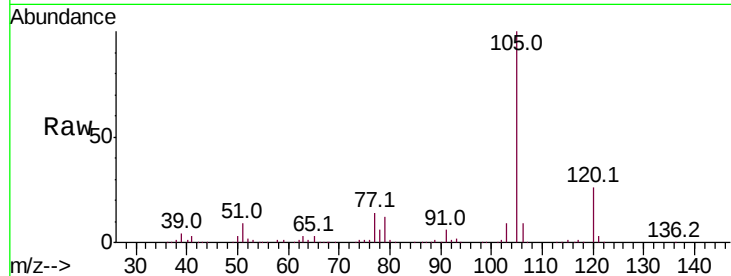
ClientSampleId :

Tot Ion:105 Resp: 276560

Ion Ratio Lower Upper

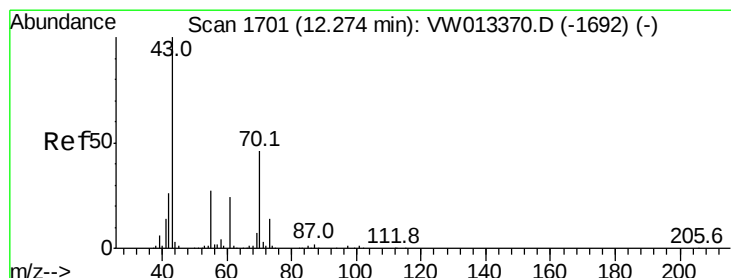
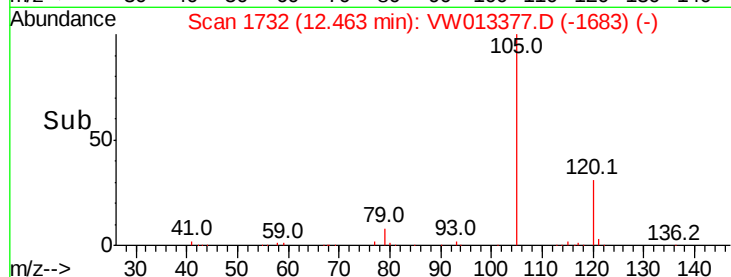
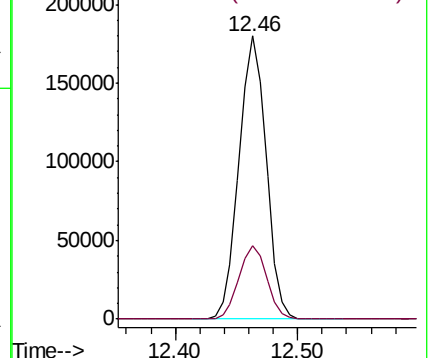
105 100

120 26.5 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.479 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Tgt Ion: 43 Resp: 66372

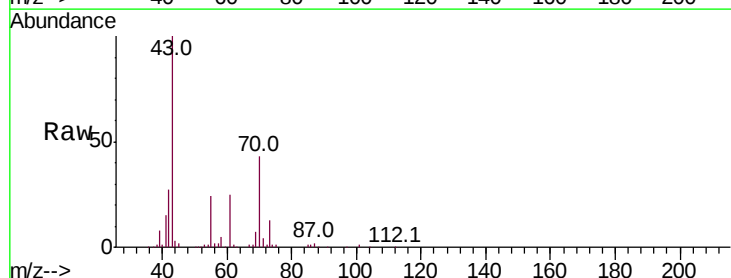
Ion Ratio Lower Upper

43 100

70 42.6 35.1 52.7

55 24.6 19.9 29.9

61 24.5 19.5 29.3

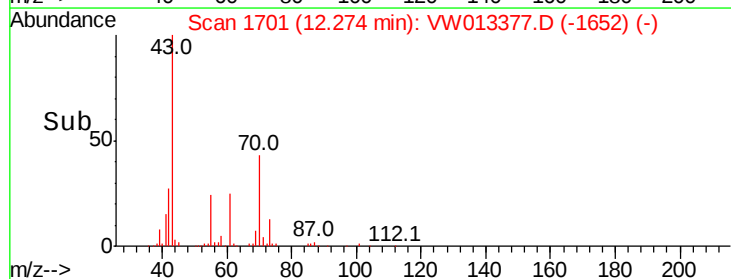
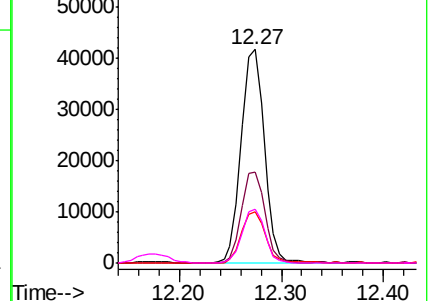


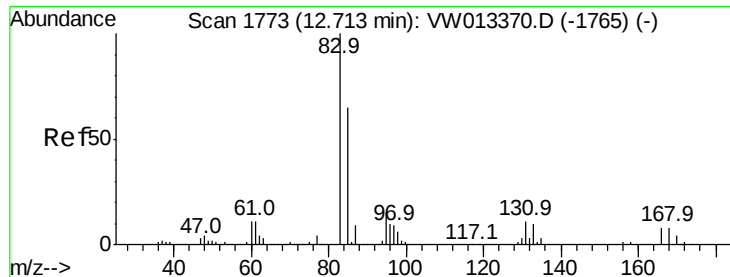
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 21.022 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

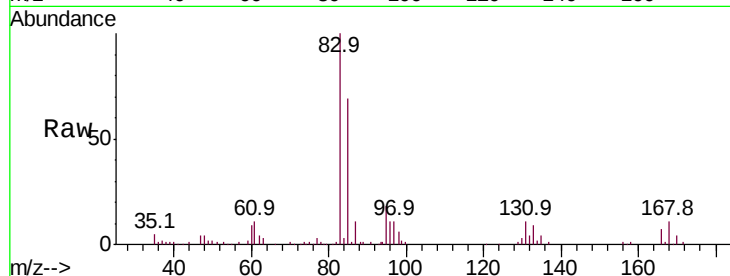
Tot Ion: 83 Resp: 51664

Ion Ratio Lower Upper

83 100

131 11.3 5.4 16.2

85 65.4 31.9 95.9

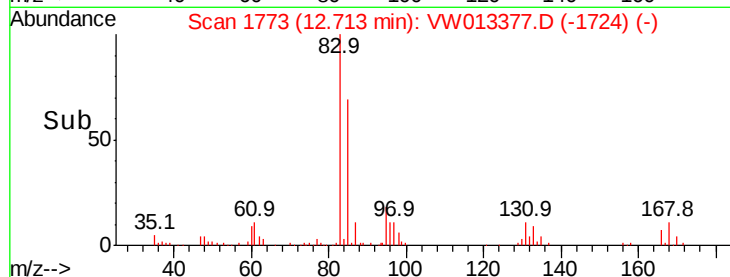


Abundance Ion 82.90 (82.60 to 83.60): VW013377.D (-1724) (-)

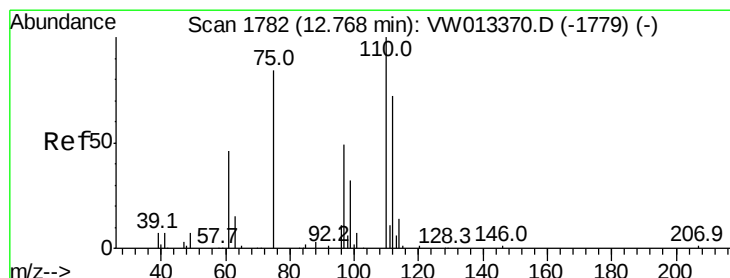
Ion 130.80 (130.50 to 131.50): VW013377.D (-1724) (-)

Ion 84.90 (84.60 to 85.60): VW013377.D (-1724) (-)

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 37.128 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013377.D

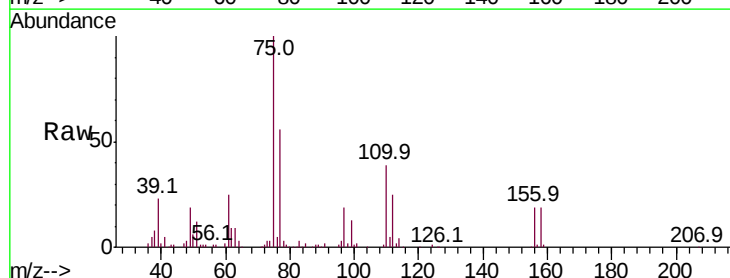
Acq: 02 Oct 2019 14:45

Tgt Ion: 75 Resp: 65501

Ion Ratio Lower Upper

75 100

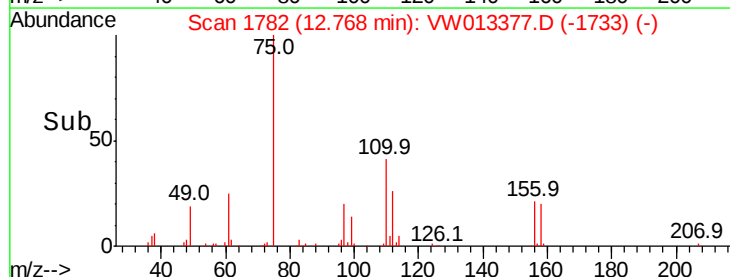
77 0.0 0.0 0.0



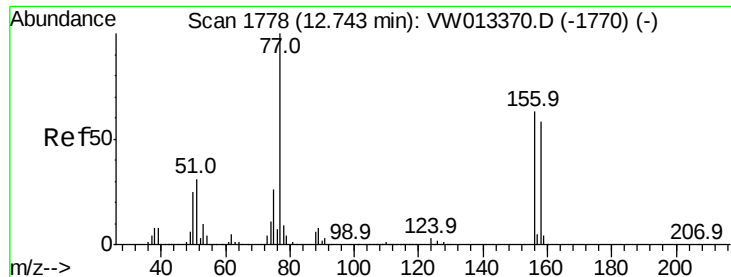
Abundance Ion 74.90 (74.60 to 75.60): VW013377.D (-1733) (-)

Ion 77.00 (76.70 to 77.70): VW013377.D (-1733) (-)

Time-->



Time-->



#77

Bromobenzene

Concen: 18.687 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

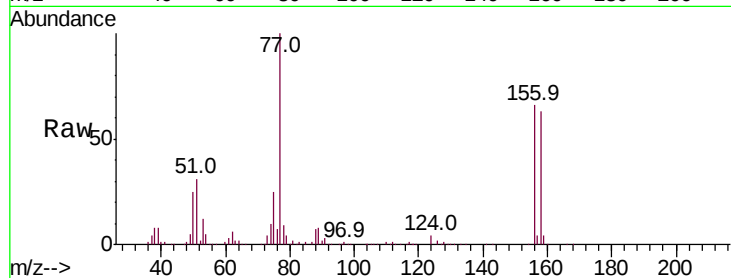
Tot Ion:156 Resp: 65152

Ion Ratio Lower Upper

156 100

77 172.9 85.7 257.1

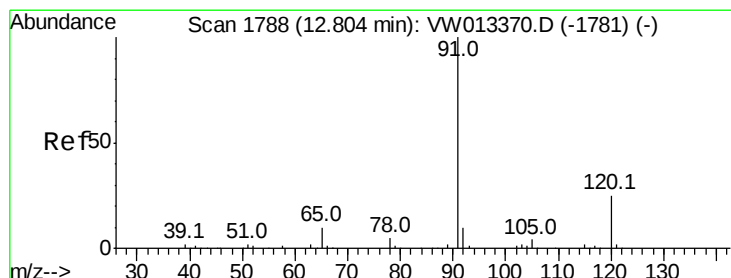
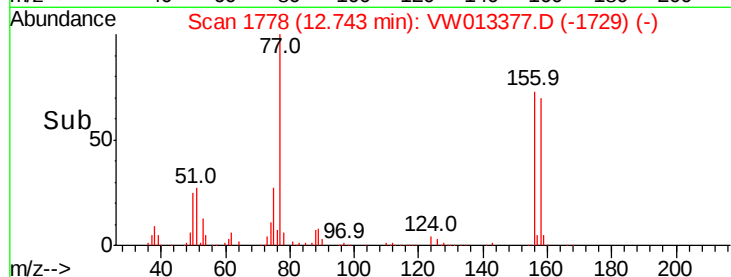
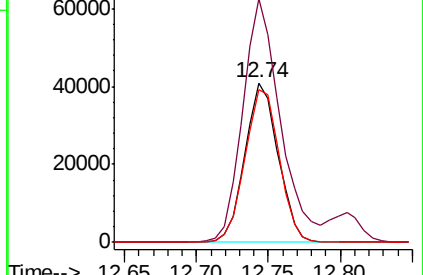
158 99.1 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.041 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013377.D

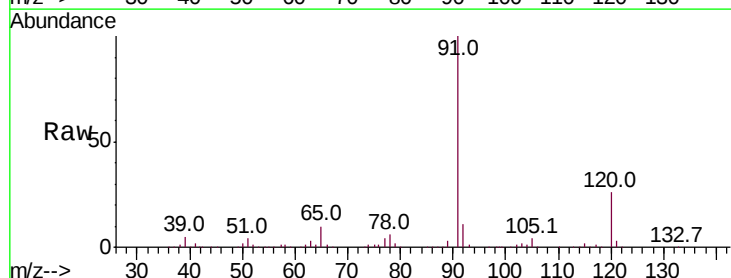
Acq: 02 Oct 2019 14:45

Tgt Ion: 91 Resp: 318029

Ion Ratio Lower Upper

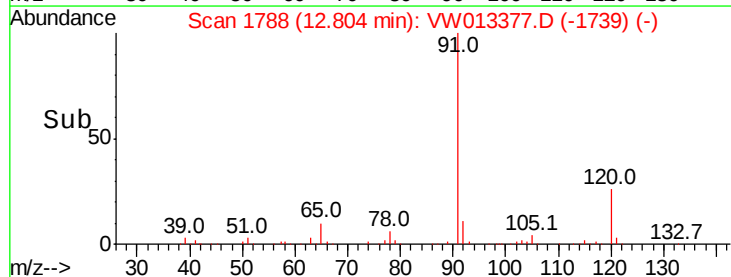
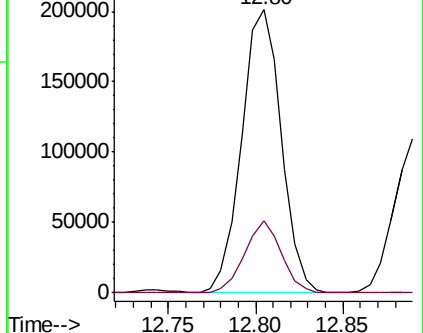
91 100

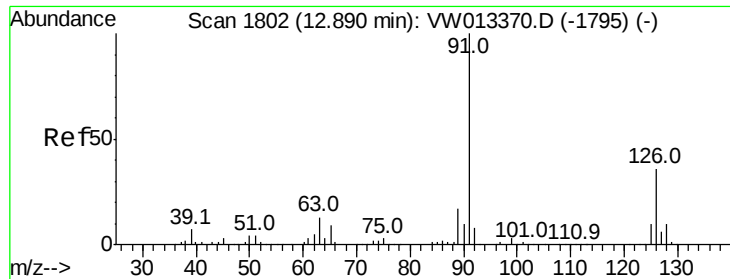
120 23.6 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.149 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

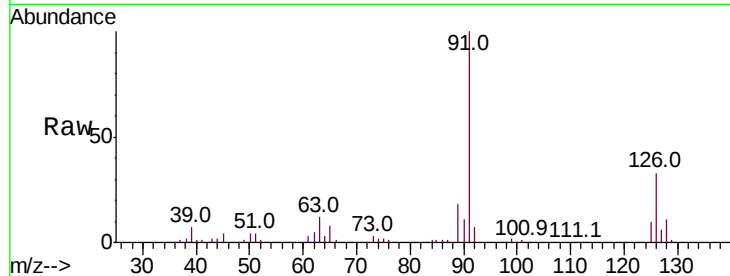
ClientSampled :

Tot Ion: 91 Resp: 177641

Ion Ratio Lower Upper

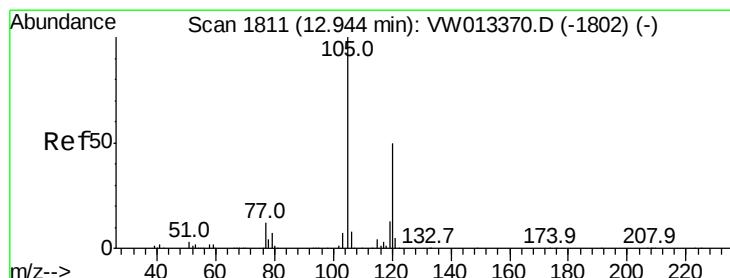
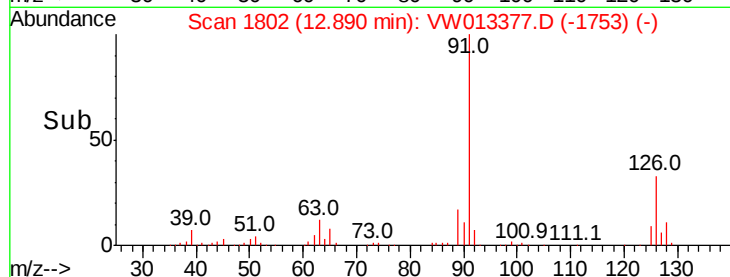
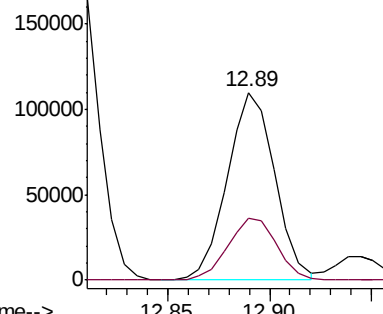
91 100

126 34.0 17.2 51.5



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: 19.134 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013377.D

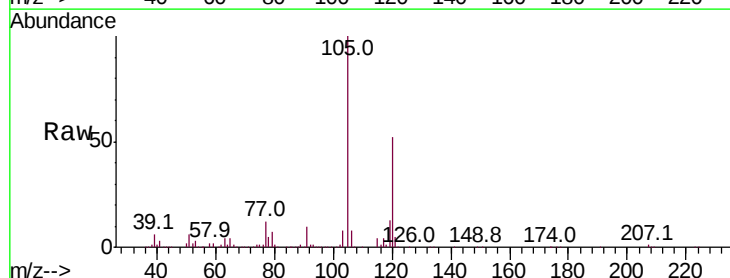
Acq: 02 Oct 2019 14:45

Tgt Ion:105 Resp: 230785

Ion Ratio Lower Upper

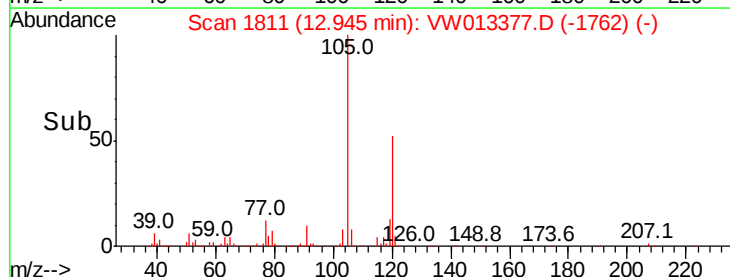
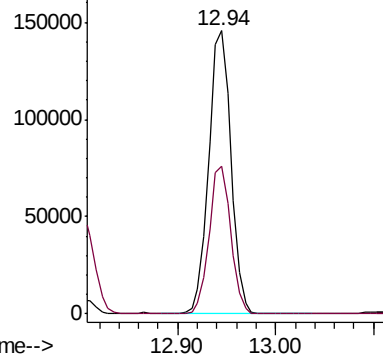
105 100

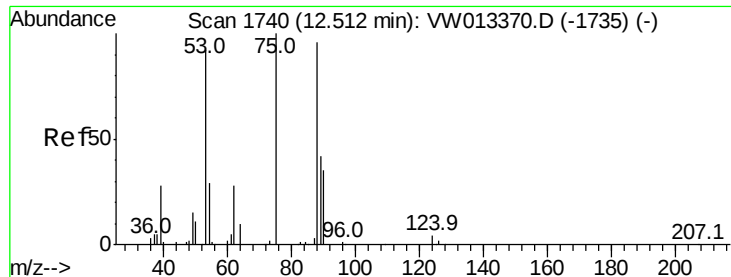
120 50.5 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

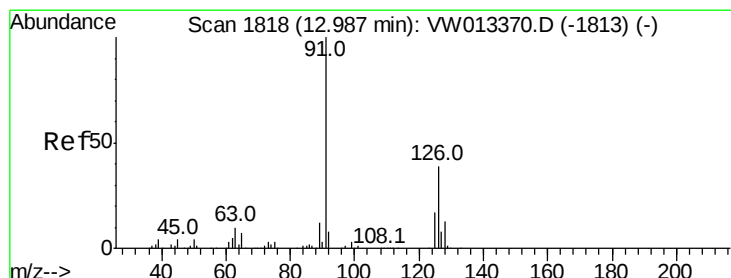
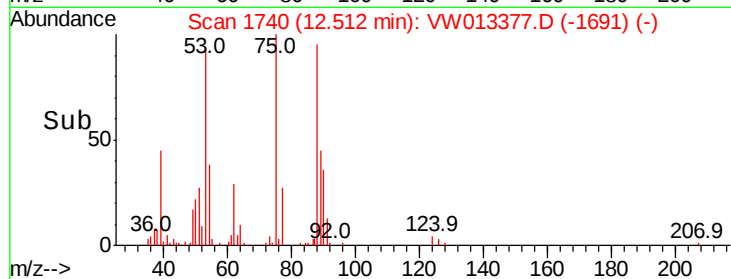
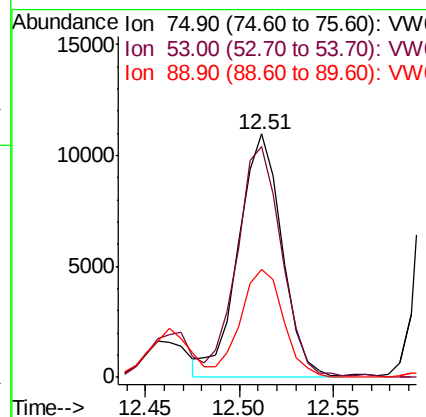
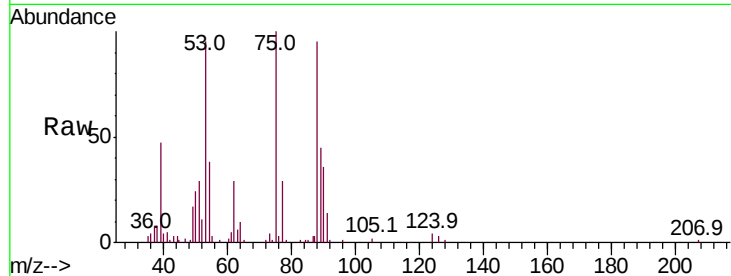




#81
trans-1,4-Dichloro-2-butene
Concen: 23.579 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

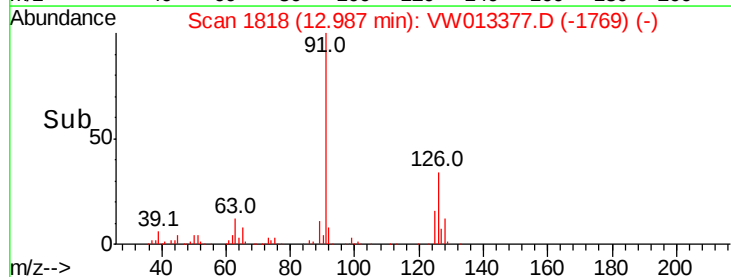
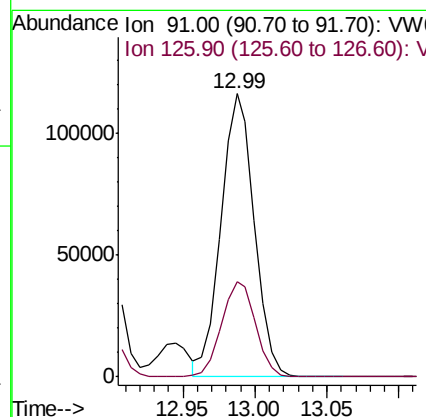
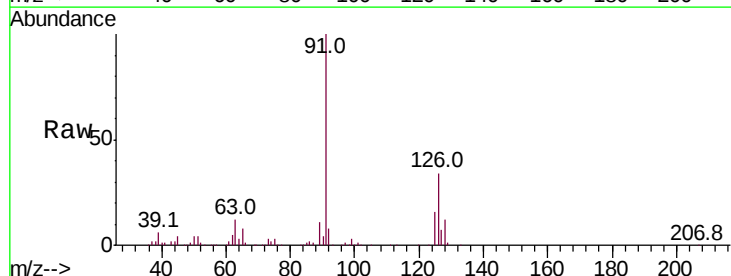
Instrument :
MSVOA_W
ClientSampled :

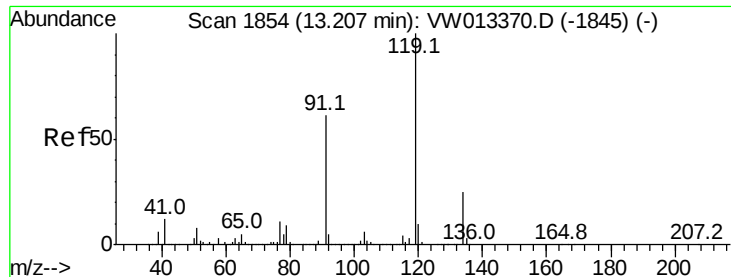
Tot Ion: 75 Resp: 17551
Ion Ratio Lower Upper
75 100
53 97.7 76.6 114.8
89 43.5 33.5 50.3



#82
4-Chlorotoluene
Concen: 19.347 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Tgt Ion: 91 Resp: 188004
Ion Ratio Lower Upper
91 100
126 34.4 17.3 51.7





#83

tert-Butylbenzene

Concen: 19.192 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

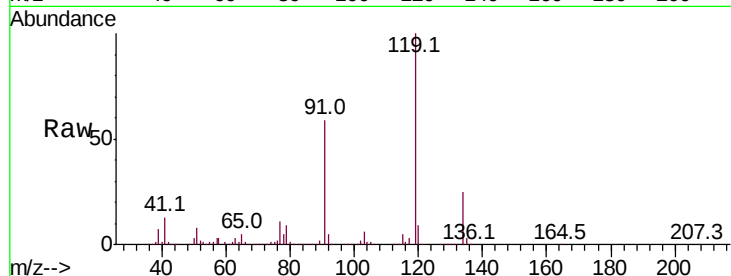
Tot Ion:119 Resp: 202192

Ion Ratio Lower Upper

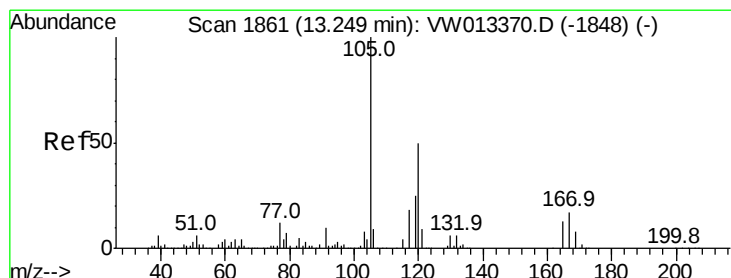
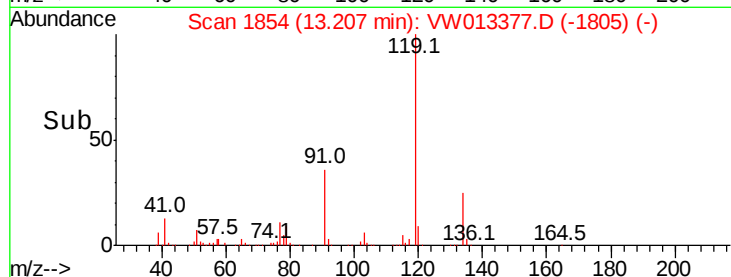
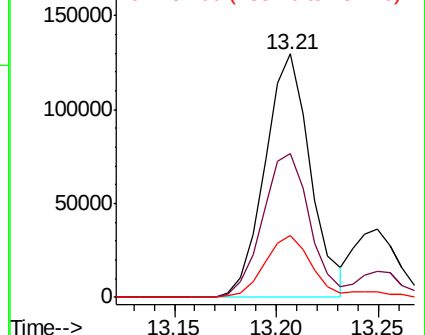
119 100

91 61.0 30.7 92.1

134 25.8 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 18.911 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VW013377.D

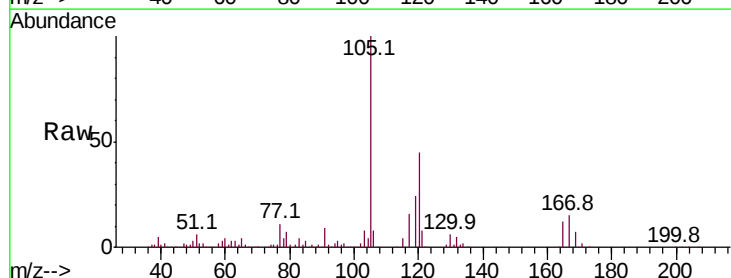
Acq: 02 Oct 2019 14:45

Tgt Ion:105 Resp: 226747

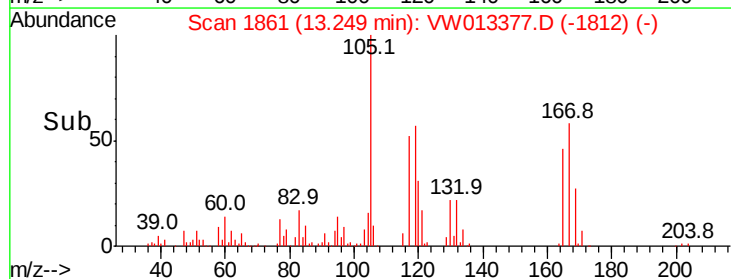
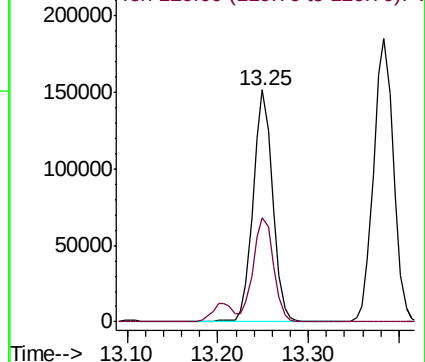
Ion Ratio Lower Upper

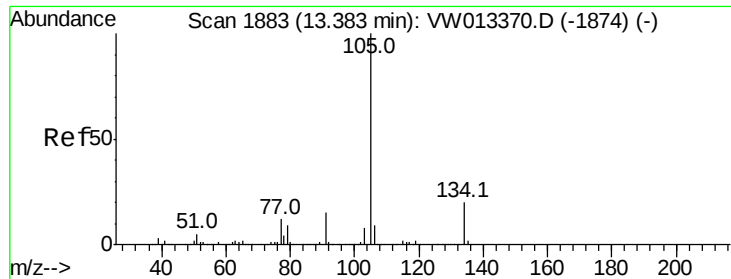
105 100

120 46.4 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.432 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

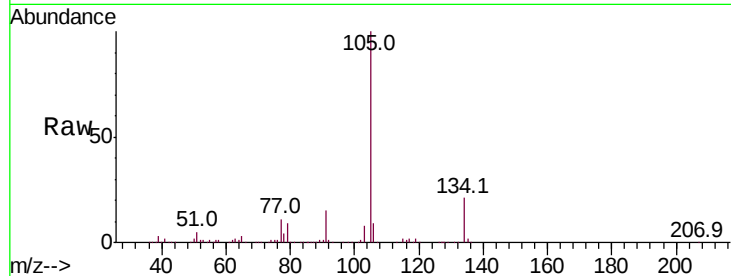
ClientSampleId :

Tot Ion:105 Resp: 282257

Ion Ratio Lower Upper

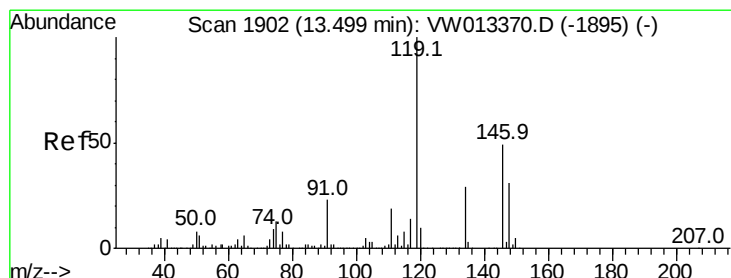
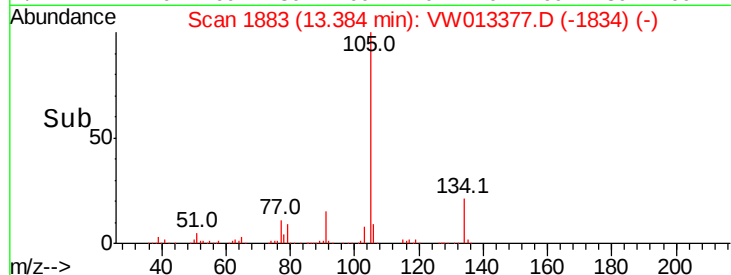
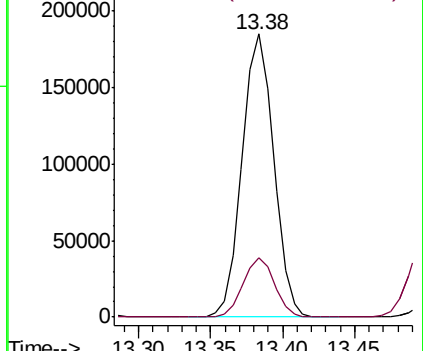
105 100

134 20.8 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.610 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

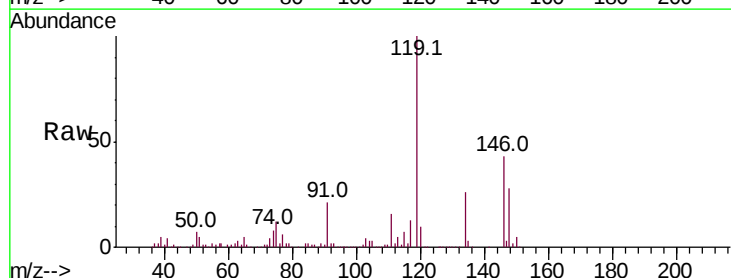
Tgt Ion:119 Resp: 263979

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

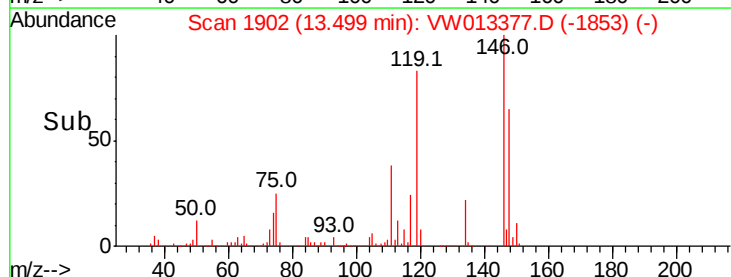
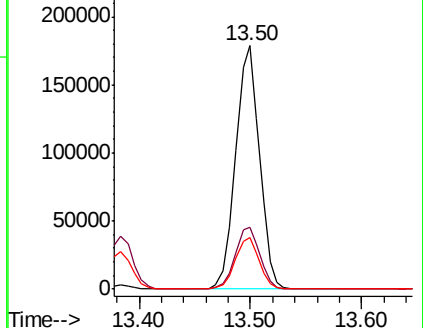
91 21.3 10.8 32.4

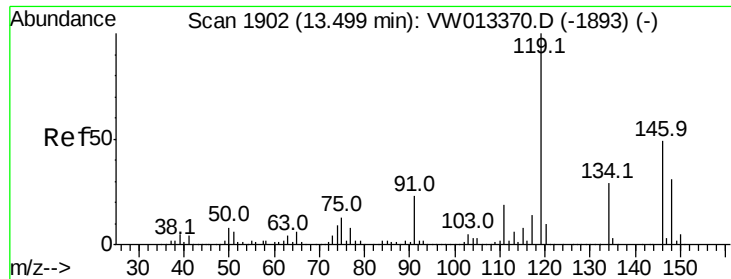


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

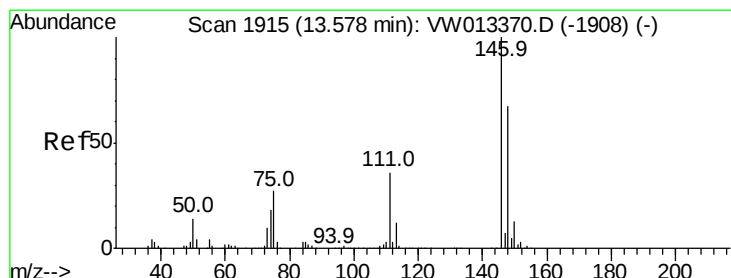
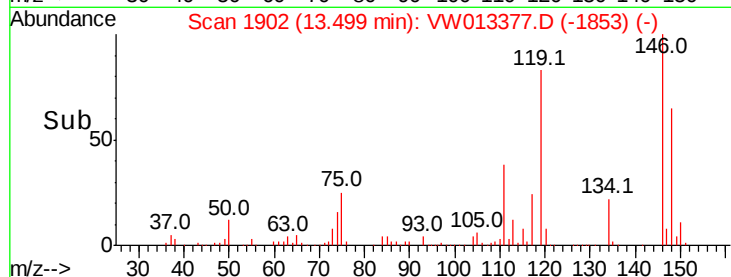
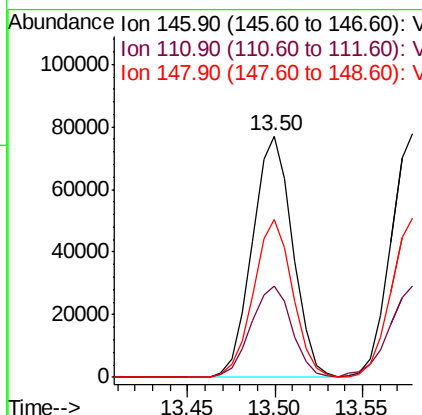
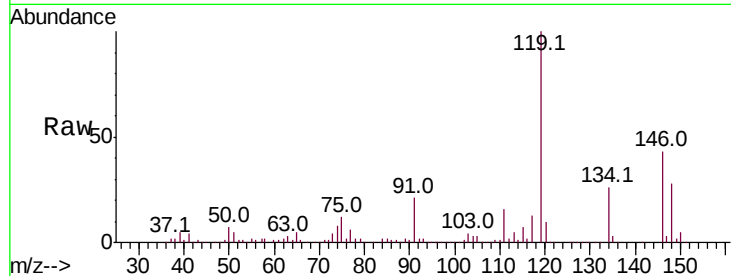




#87
 1,3-Dichlorobenzene
 Concen: 18.939 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013377.D
 Acq: 02 Oct 2019 14:45

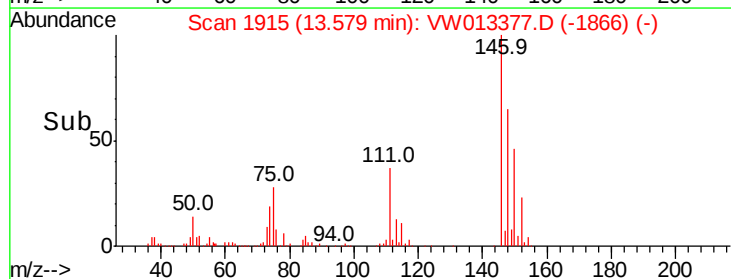
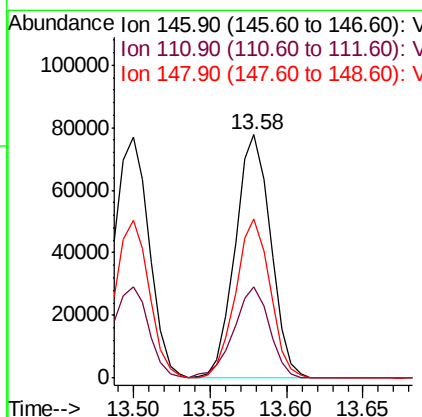
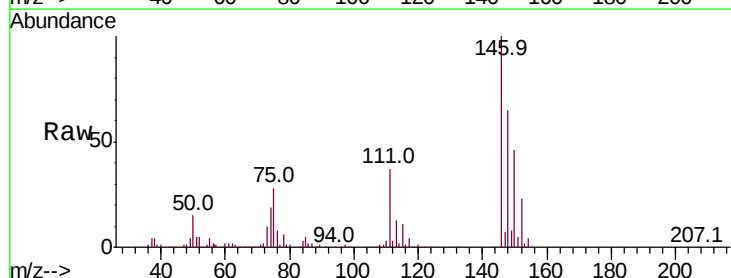
Instrument :
 MSVOA_W
 ClientSampled :

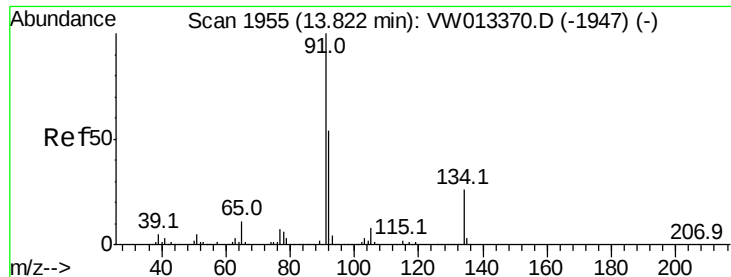
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.9	56.9
148	63.5	31.9	95.5



#88
 1,4-Dichlorobenzene
 Concen: 19.093 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013377.D
 Acq: 02 Oct 2019 14:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.4	55.0
148	63.8	32.1	96.3





#89

n-Butylbenzene

Concen: 19.580 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

ClientSampled :

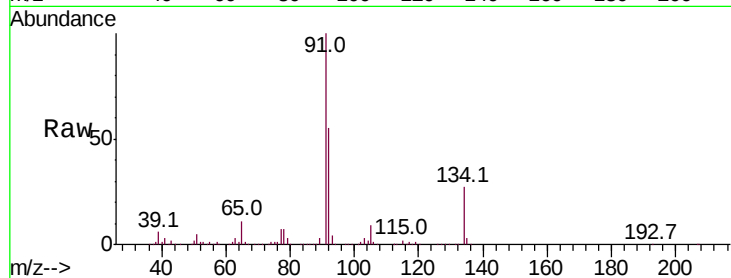
Tot Ion: 91 Resp: 237632

Ion Ratio Lower Upper

91 100

92 54.8 27.6 82.8

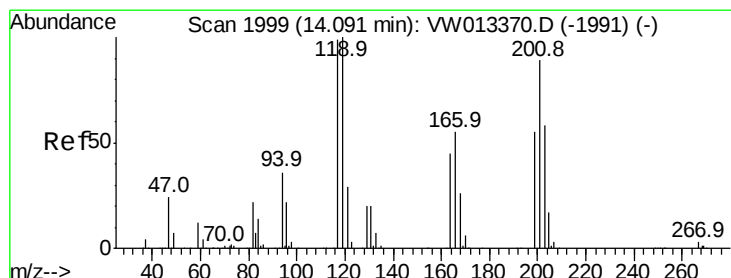
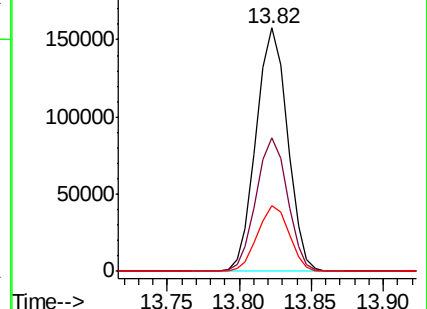
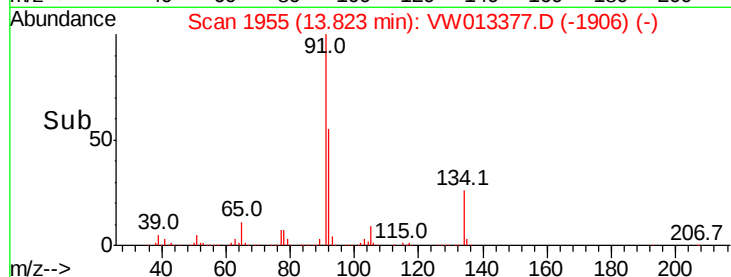
134 27.3 13.7 41.1



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: 19.265 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW013377.D

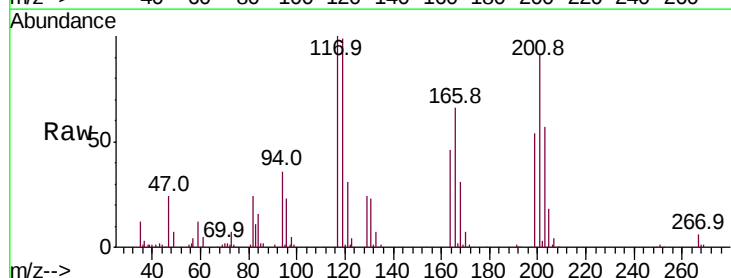
Acq: 02 Oct 2019 14:45

Tgt Ion: 117 Resp: 42846

Ion Ratio Lower Upper

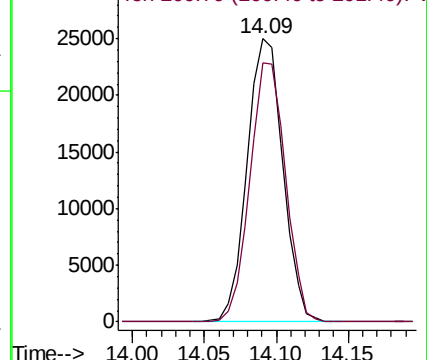
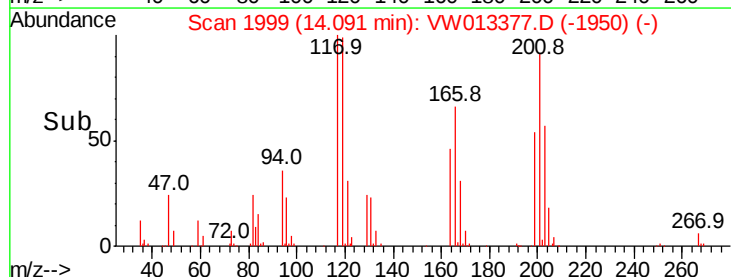
117 100

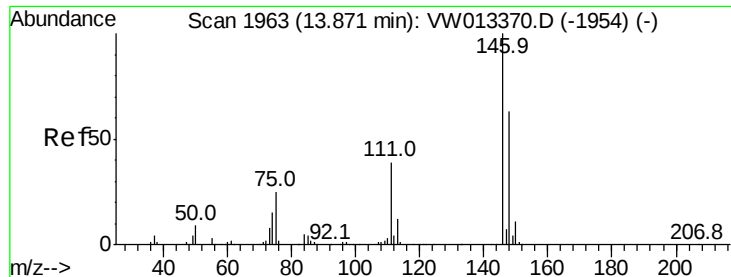
201 91.0 44.5 133.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 19.592 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

ClientSampled :

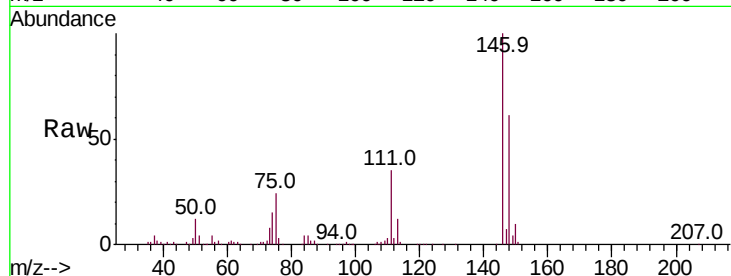
Tot Ion:146 Resp: 113602

Ion Ratio Lower Upper

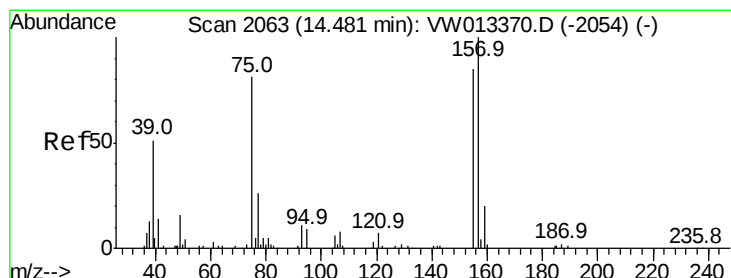
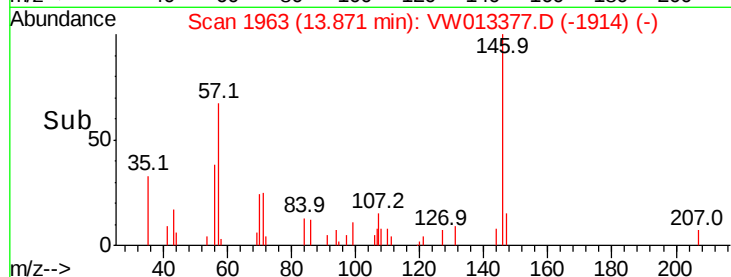
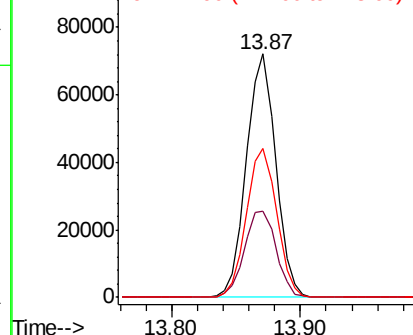
146 100

111 38.1 20.1 60.3

148 63.0 32.0 96.0



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: 23.882 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.01 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

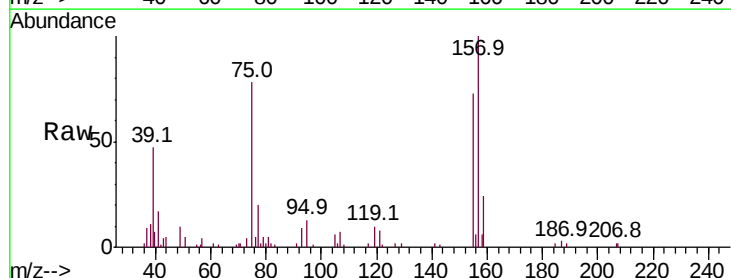
Tgt Ion: 75 Resp: 8779

Ion Ratio Lower Upper

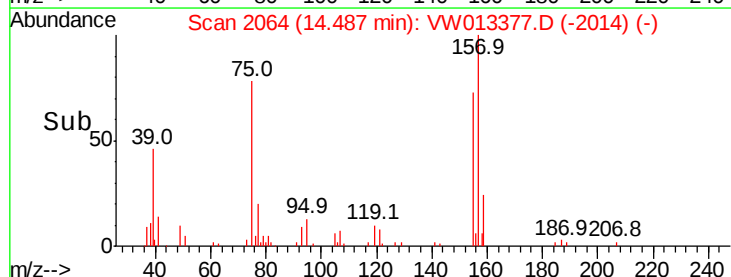
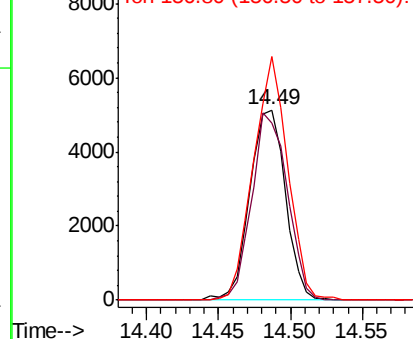
75 100

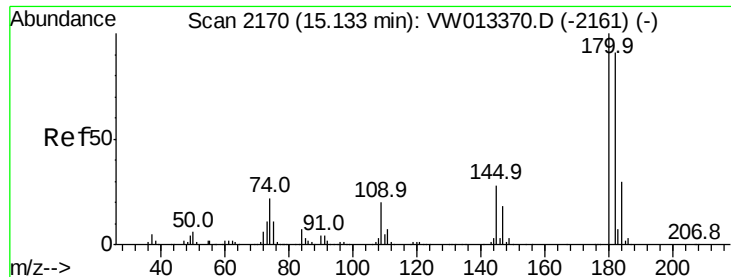
155 98.4 46.1 138.3

157 123.3 60.4 181.2



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

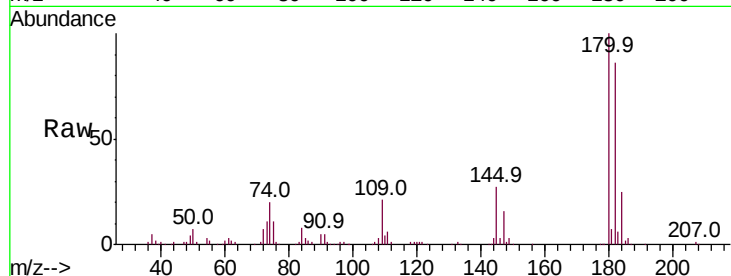




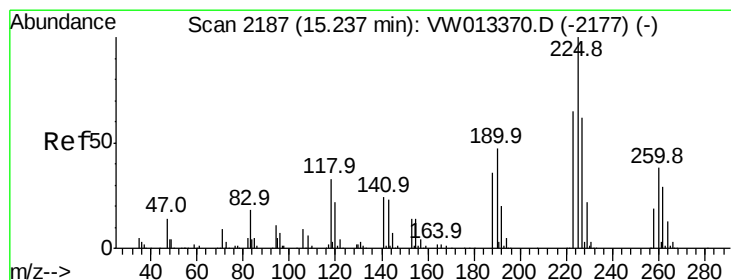
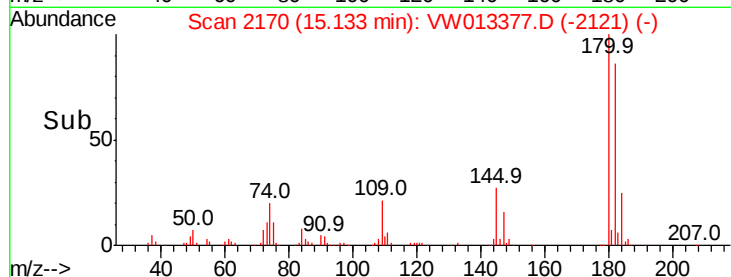
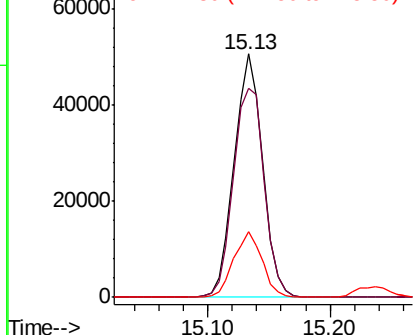
#93
 1,2,4-Trichlorobenzene
 Concen: 19.392 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013377.D
 Acq: 02 Oct 2019 14:45

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 80698
 Ion Ratio Lower Upper
 180 100
 182 93.9 47.3 142.0
 145 27.1 14.2 42.8

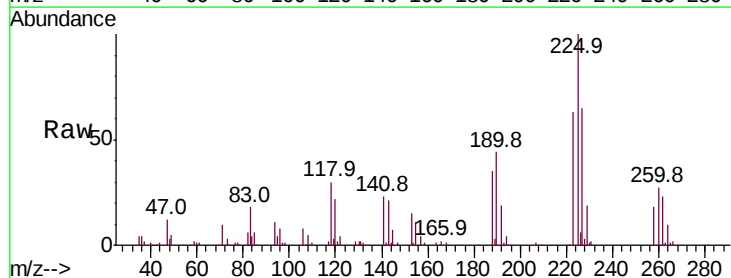


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

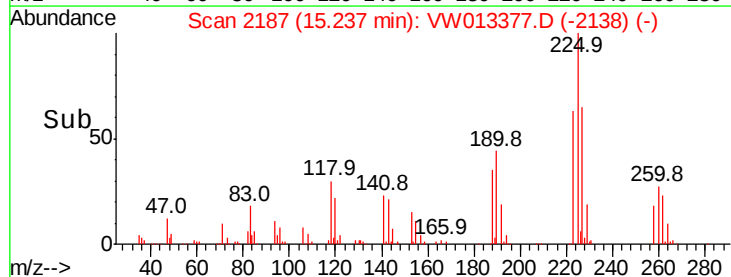
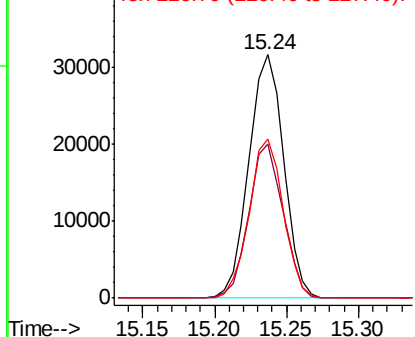


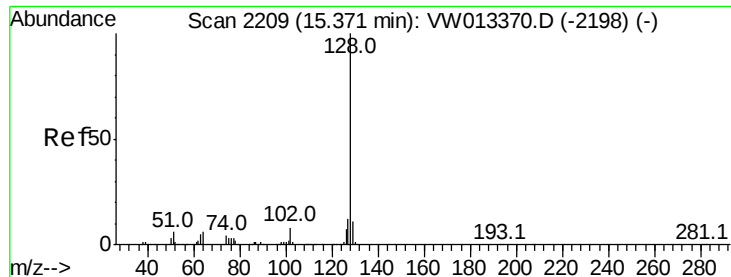
#94
 Hexachlorobutadiene
 Concen: 19.587 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW013377.D
 Acq: 02 Oct 2019 14:45

Tgt Ion:225 Resp: 52947
 Ion Ratio Lower Upper
 225 100
 223 62.0 30.6 91.8
 227 63.9 31.9 95.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

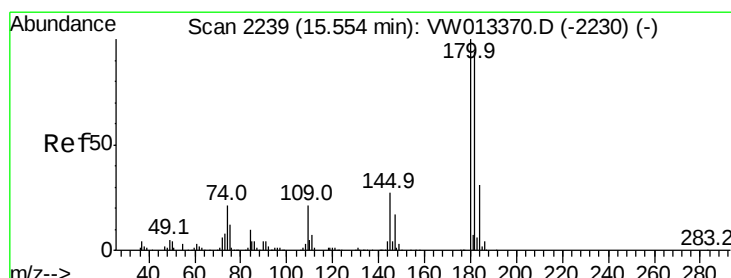
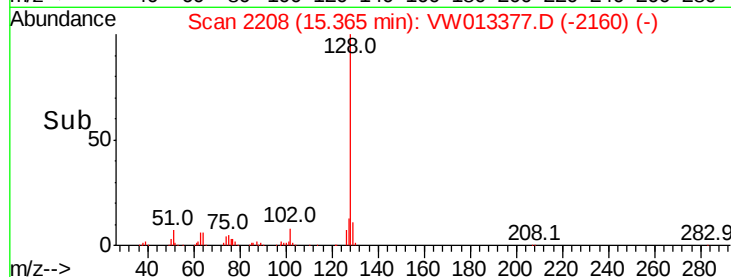
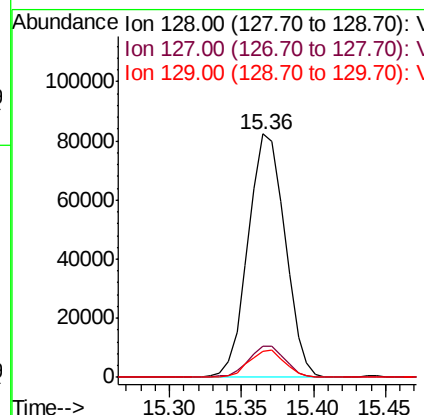
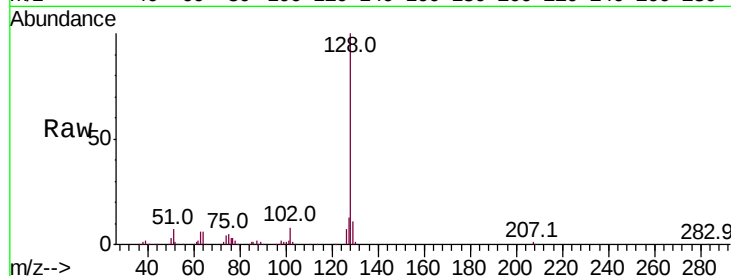




#95
Naphthalene
Concen: 20.887 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:128 Resp: 146624
Ion Ratio Lower Upper
128 100
127 13.0 10.6 15.8
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.011 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Tgt Ion:180 Resp: 69072
Ion Ratio Lower Upper
180 100
182 96.3 47.9 143.7
145 30.7 15.0 45.0

