

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100419\
 Data File : VW013433.D
 Acq On : 04 Oct 2019 12:43
 Operator : SY/VA
 Sample : VW1004SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 04 15:30:41 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	294712	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	416982	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	357222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	182950	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	114934	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
35) Dibromofluoromethane	7.88	113	113340	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
50) Toluene-d8	10.32	98	477245	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	
62) 4-Bromofluorobenzene	12.62	95	160710	53.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	20519	18.001	ug/l	95
3) Chloromethane	2.21	50	37990	20.196	ug/l	99
4) Vinyl Chloride	2.35	62	56098	21.014	ug/l	93
5) Bromomethane	2.78	94	30618	18.668	ug/l	96
6) Chloroethane	2.92	64	28893	18.743	ug/l	100
7) Trichlorofluoromethane	3.25	101	25627	22.127	ug/l	97
8) Diethyl Ether	3.68	74	26930	20.089	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	50809	19.787	ug/l	97
10) Methyl Iodide	4.27	142	81833	19.734	ug/l	98
11) Tert butyl alcohol	5.12	59	3722	Below Cal	#	73
12) 1,1-Dichloroethene	4.03	96	53882	19.861	ug/l	96
13) Acrolein	3.89	56	23679	112.502	ug/l	96
14) Allyl chloride	4.66	41	82503	20.557	ug/l	99
15) Acrylonitrile	5.37	53	67672	111.671	ug/l	98
16) Acetone	4.13	43	60424	89.583	ug/l	97
17) Carbon Disulfide	4.38	76	154426	20.404	ug/l	98
18) Methyl Acetate	4.67	43	34379	21.777	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	82570	20.679	ug/l	99
20) Methylene Chloride	4.91	84	57167	19.199	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	58266	20.167	ug/l	99
22) Diisopropyl ether	6.31	45	153593	19.817	ug/l	96
23) Vinyl Acetate	6.25	43	491400	105.663	ug/l	99
24) 1,1-Dichloroethane	6.21	63	91987	19.486	ug/l	98
25) 2-Butanone	7.17	43	89012	103.133	ug/l	93
26) 2,2-Dichloropropane	7.16	77	59601	20.854	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	59229	19.585	ug/l	98
28) Bromochloromethane	7.51	49	31431	18.415	ug/l	96
29) Tetrahydrofuran	7.53	42	57097	119.022	ug/l	98
30) Chloroform	7.67	83	87607	18.926	ug/l	99
31) Cyclohexane	7.95	56	100631	19.989	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	72366	19.955	ug/l	100
36) 1,1-Dichloropropene	8.09	75	79116	20.428	ug/l	99
37) Ethyl Acetate	7.25	43	39438	23.153	ug/l	98
38) Carbon Tetrachloride	8.07	117	68119	20.304	ug/l	98

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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	9.34	83	102847	20.164	ug/l	99
40) Benzene	8.32	78	220220	20.087	ug/l	99
41) Methacrylonitrile	7.48	41	21492	20.854	ug/l	94
42) 1,2-Dichloroethane	8.40	62	57722	20.485	ug/l	99
43) Isopropyl Acetate	8.42	43	70822	22.014	ug/l	98
44) Trichloroethene	9.09	130	60683	19.655	ug/l	95
45) 1,2-Dichloropropane	9.37	63	53332	20.260	ug/l	95
46) Dibromomethane	9.46	93	26639	20.317	ug/l	95
47) Bromodichloromethane	9.65	83	64101	19.860	ug/l	96
48) Methyl methacrylate	9.43	41	34753	22.483	ug/l	95
49) 1,4-Dioxane	9.46	88	11300	549.474	ug/l #	84
51) 4-Methyl-2-Pentanone	10.21	43	188331	111.423	ug/l	99
52) Toluene	10.38	92	142614	20.167	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	67293	20.044	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	80537	19.785	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	40734	20.826	ug/l	95
56) Ethyl methacrylate	10.65	69	54582	20.733	ug/l	98
57) 1,3-Dichloropropane	10.93	76	69403	20.411	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	131712	121.794	ug/l	98
59) 2-Hexanone	10.97	43	131899	112.585	ug/l	99
60) Dibromochloromethane	11.13	129	46243	20.666	ug/l	97
61) 1,2-Dibromoethane	11.24	107	39379	20.835	ug/l	99
64) Tetrachloroethene	10.86	164	54761	20.150	ug/l	96
65) Chlorobenzene	11.66	112	144681	19.769	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	50087	20.094	ug/l	99
67) Ethyl Benzene	11.73	91	261146	19.910	ug/l	100
68) m/p-Xylenes	11.84	106	207639	41.013	ug/l	97
69) o-Xylene	12.16	106	93592	19.994	ug/l	98
70) Styrene	12.18	104	160300	20.033	ug/l	99
71) Bromoform	12.35	173	28851	21.349	ug/l #	98
73) Isopropylbenzene	12.46	105	262285	19.599	ug/l	100
74) N-amyl acetate	12.27	43	61735	21.676	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	47802	21.104	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	61704	37.948	ug/l #	100
77) Bromobenzene	12.75	156	61890	19.260	ug/l	98
78) n-propylbenzene	12.80	91	306763	19.928	ug/l	99
79) 2-Chlorotoluene	12.89	91	169443	19.818	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	221645	19.938	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16158	23.557	ug/l	97
82) 4-Chlorotoluene	12.99	91	179242	20.013	ug/l	100
83) tert-Butylbenzene	13.21	119	192768	19.853	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	216556	19.596	ug/l	100
85) sec-Butylbenzene	13.38	105	266905	19.937	ug/l	100
86) p-Isopropyltoluene	13.50	119	251754	20.291	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	118747	19.642	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	116447	19.238	ug/l	99
89) n-Butylbenzene	13.82	91	226306	20.232	ug/l	99
90) Hexachloroethane	14.09	117	40760	19.885	ug/l	92
91) 1,2-Dichlorobenzene	13.87	146	105259	19.696	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7538	22.249	ug/l	86

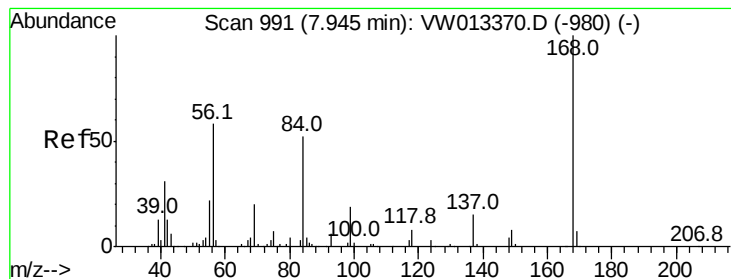
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	74423	19.405	ug/l	99
94) Hexachlorobutadiene	15.24	225	51116	20.517	ug/l	97
95) Naphthalene	15.36	128	135089	20.880	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	64611	19.295	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: VW013433.D

Acq: 04 Oct 2019 12:43

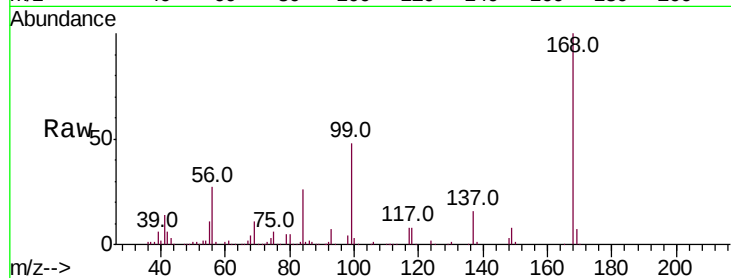
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 294712

Ion Ratio Lower Upper

168 100

99 48.3 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

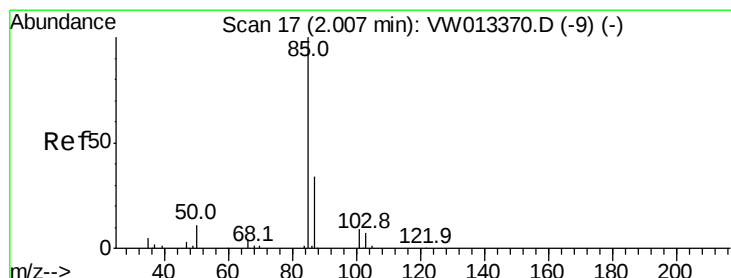
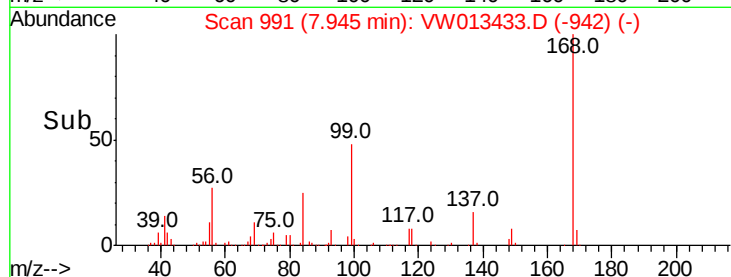
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 18.001 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013433.D

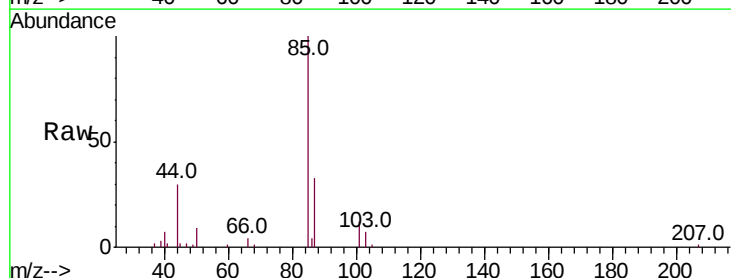
Acq: 04 Oct 2019 12:43

Tgt Ion: 85 Resp: 20519

Ion Ratio Lower Upper

85 100

87 32.8 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

8000

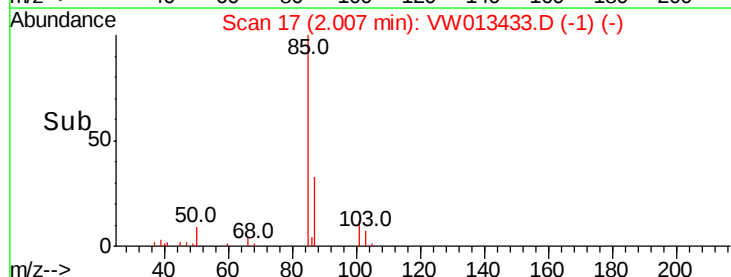
6000

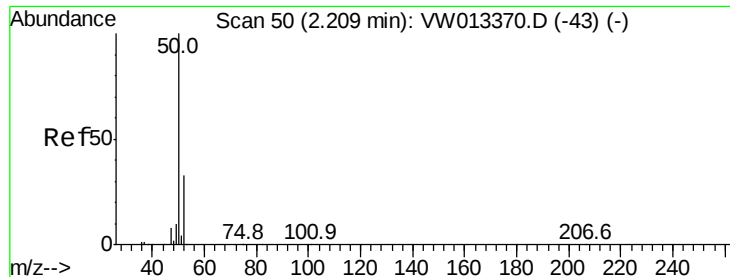
4000

2000

0

Time--> 1.90 2.00 2.10

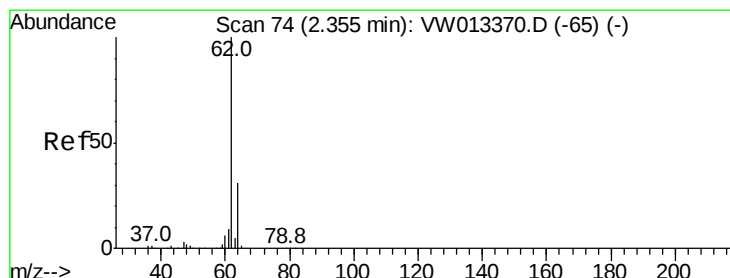
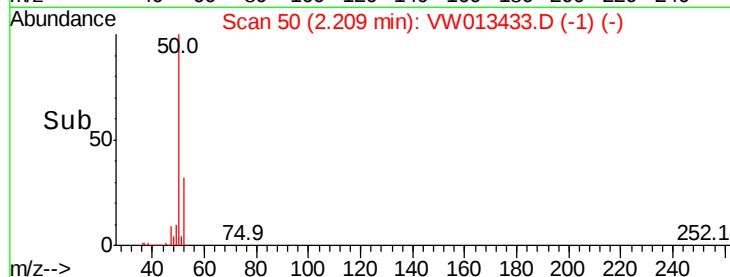
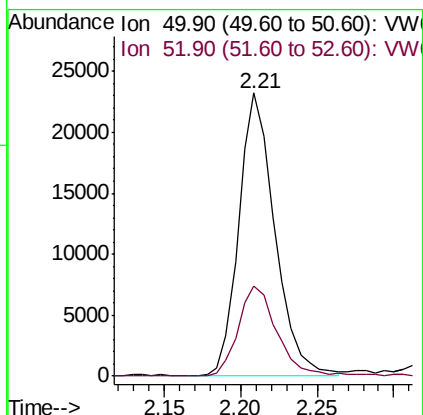
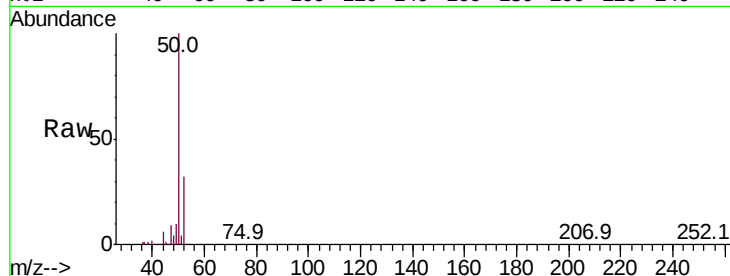




#3
Chloromethane
Concen: 20.196 ug/l
RT: 2.21 min Scan# 50
Delta R.T. 0.00 min
Lab File: VW013433.D
Acq: 04 Oct 2019 12:43

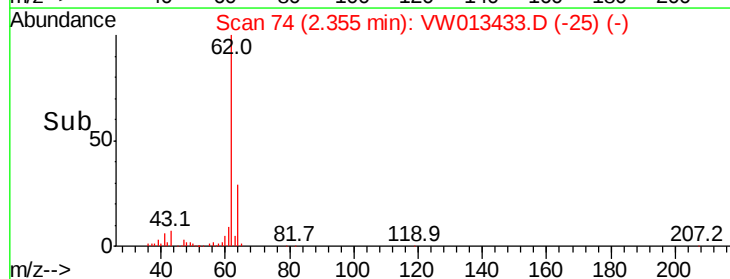
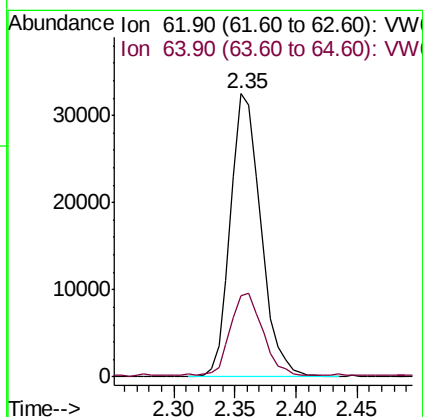
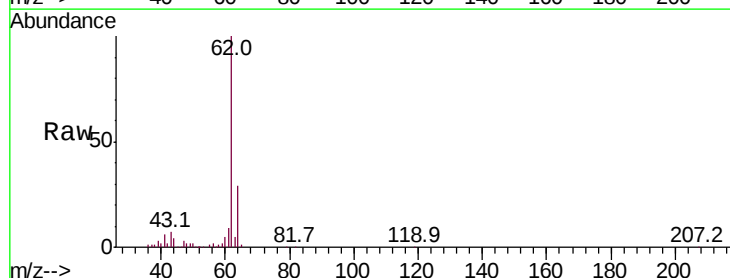
Instrument :
MSVOA_W
ClientSampled :

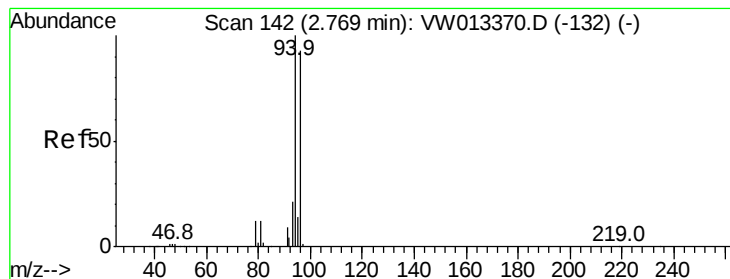
Tot Ion: 50 Resp: 37990
Ion Ratio Lower Upper
50 100
52 32.0 26.1 39.1



#4
Vinyl Chloride
Concen: 21.014 ug/l
RT: 2.35 min Scan# 74
Delta R.T. 0.00 min
Lab File: VW013433.D
Acq: 04 Oct 2019 12:43

Tgt Ion: 62 Resp: 56098
Ion Ratio Lower Upper
62 100
64 27.7 25.3 37.9





#5

Bromomethane

Concen: 18.668 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW013433.D

Acq: 04 Oct 2019 12:43

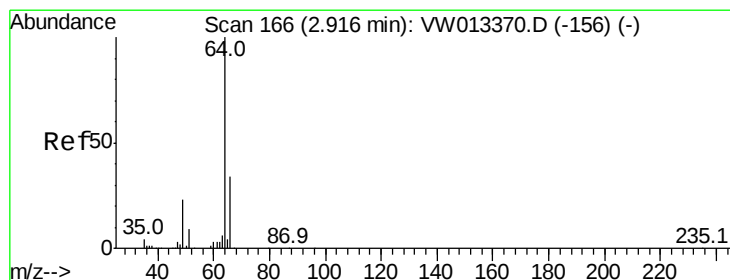
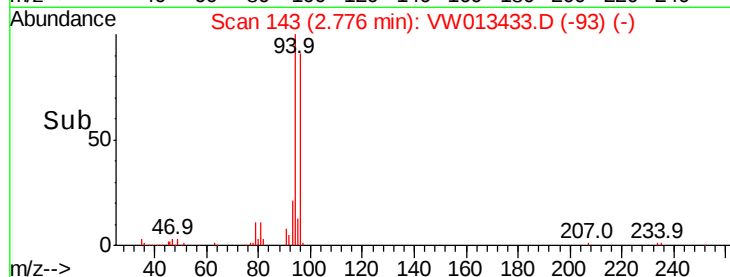
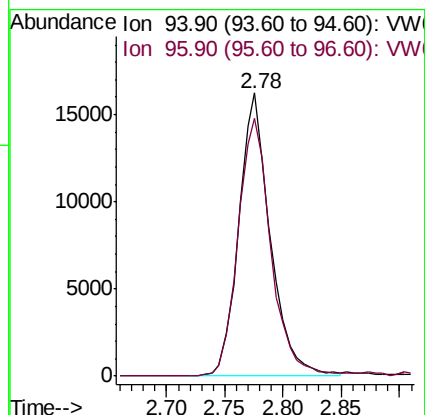
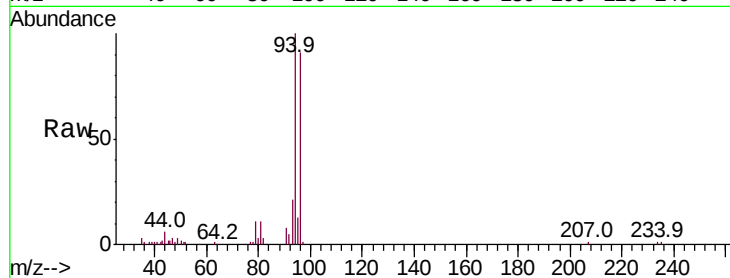
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 94 Resp: 30618

Ion Ratio Lower Upper

94 100

96 90.8 69.7 104.5



#6

Chloroethane

Concen: 18.743 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW013433.D

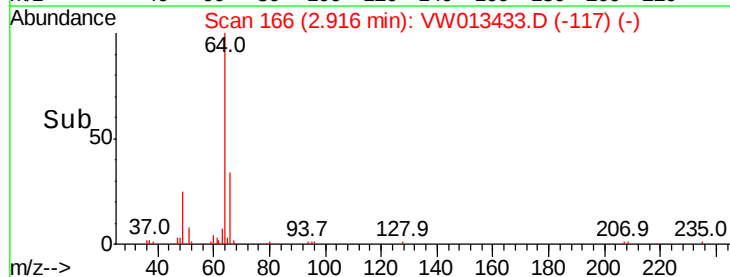
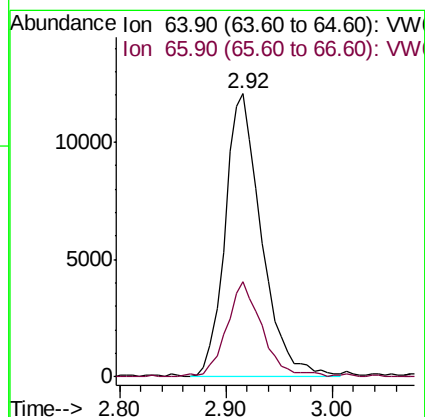
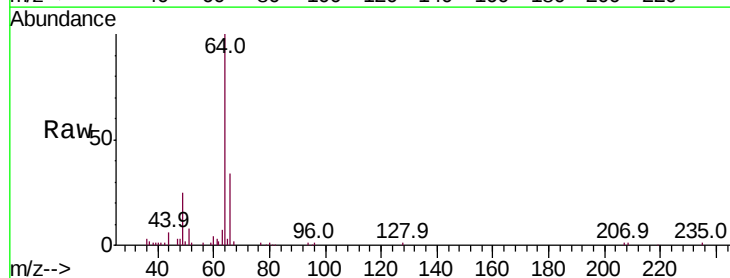
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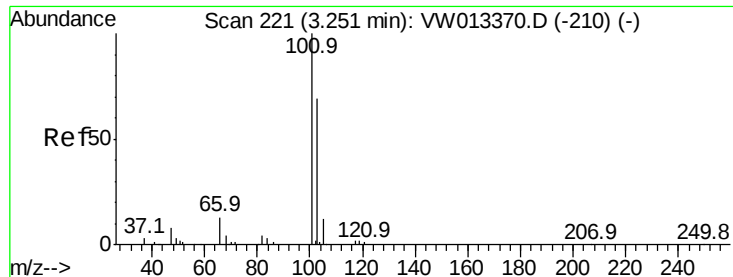
Tgt Ion: 64 Resp: 28893

Ion Ratio Lower Upper

64 100

66 33.0 26.6 39.8



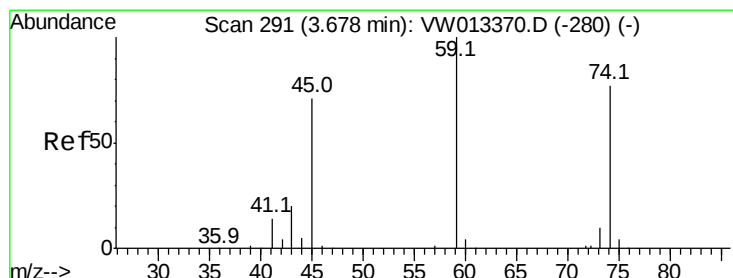
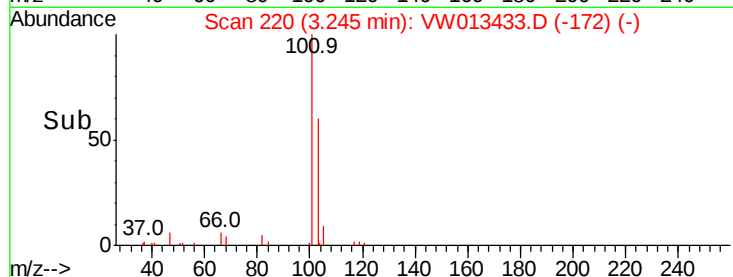
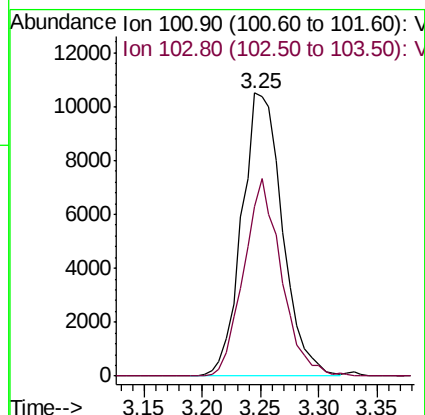
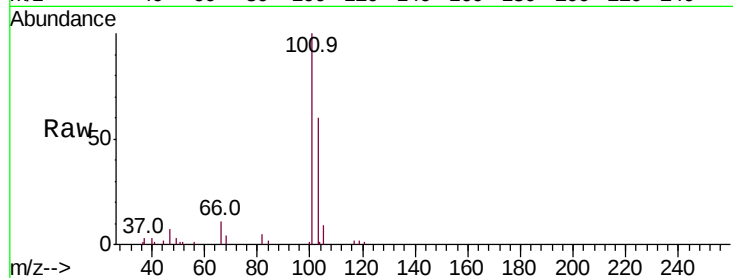


#7

Trichlorofluoromethane
 Concen: 22.127 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW013433.D
 Acq: 04 Oct 2019 12:43

Instrument :
 MSVOA_W
 ClientSampled :

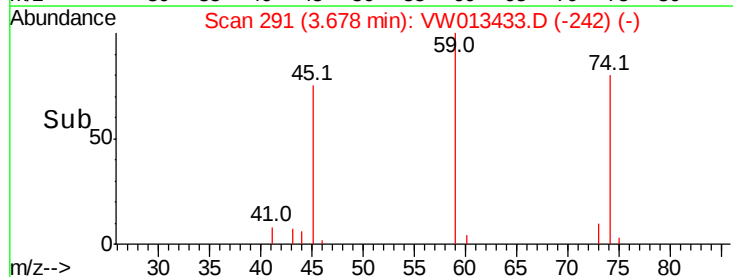
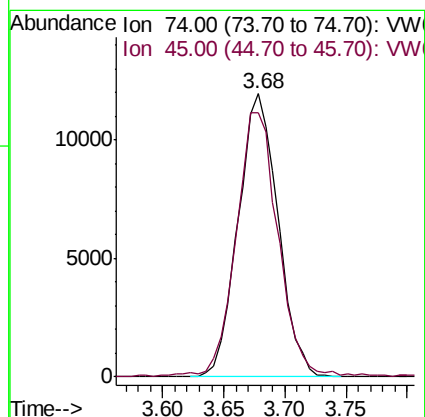
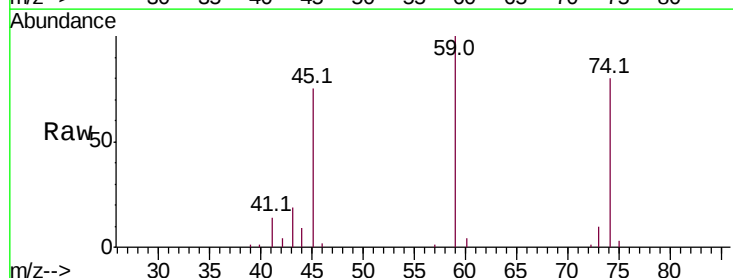
Tot Ion:101 Resp: 25627
 Ion Ratio Lower Upper
 101 100
 103 59.8 49.7 74.5

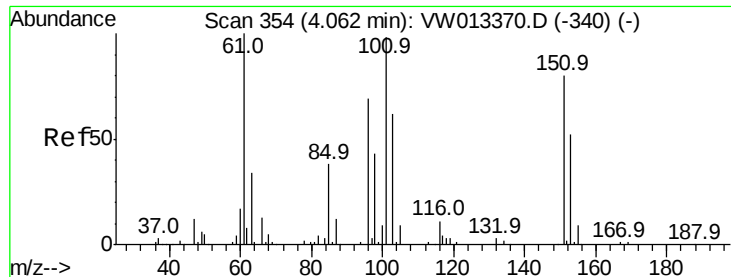


#8

Diethyl Ether
 Concen: 20.089 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW013433.D
 Acq: 04 Oct 2019 12:43

Tgt Ion: 74 Resp: 26930
 Ion Ratio Lower Upper
 74 100
 45 99.8 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.787 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013433.D

Acq: 04 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampled :

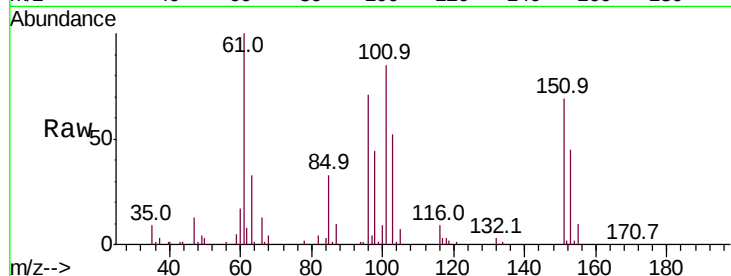
Tot Ion:101 Resp: 50809

Ion Ratio Lower Upper

101 100

85 43.8 33.4 50.0

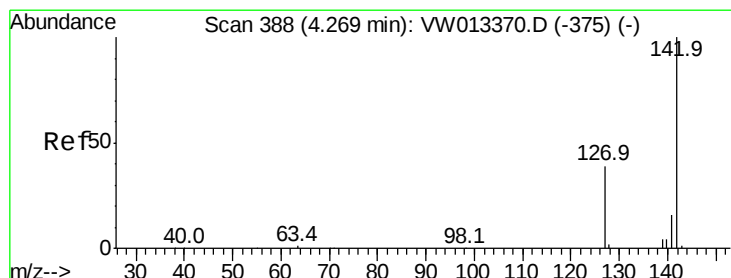
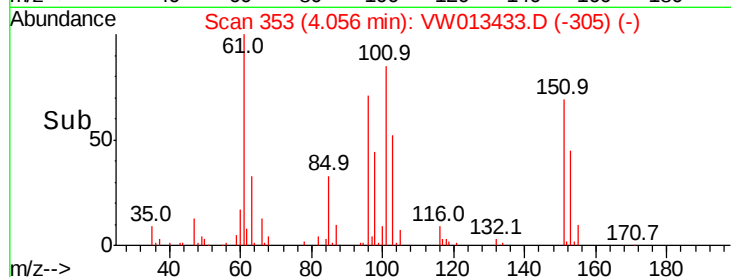
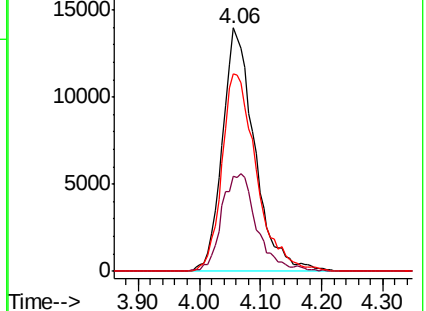
151 86.8 66.9 100.3



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: 19.734 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW013433.D

Acq: 04 Oct 2019 12:43

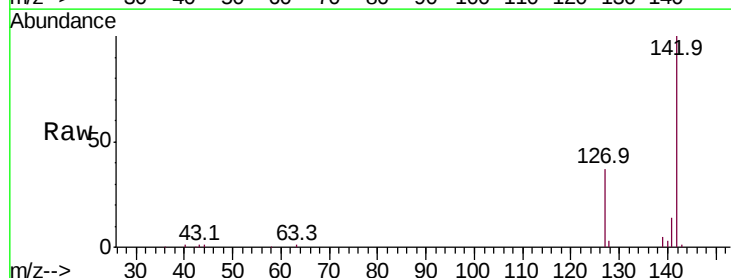
Tgt Ion:142 Resp: 81833

Ion Ratio Lower Upper

142 100

127 37.3 30.9 46.3

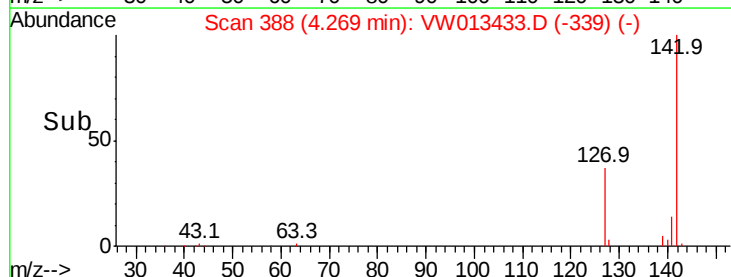
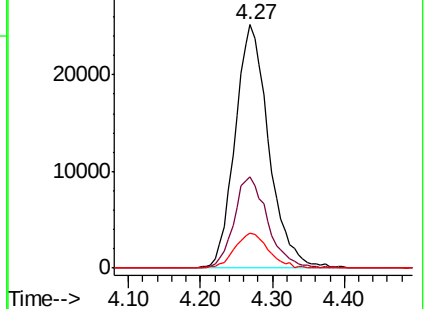
141 14.4 11.7 17.5

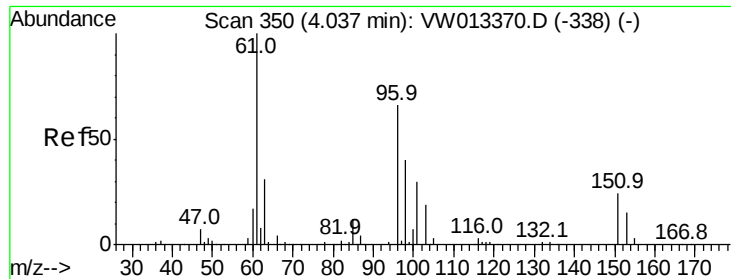


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

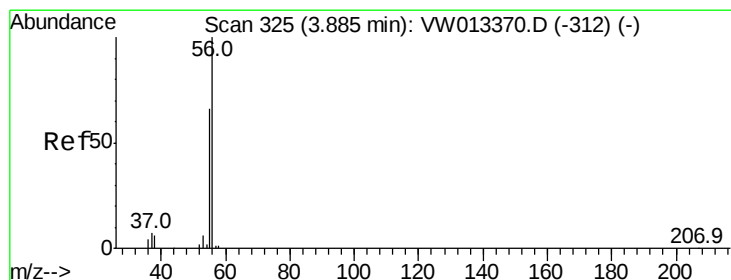
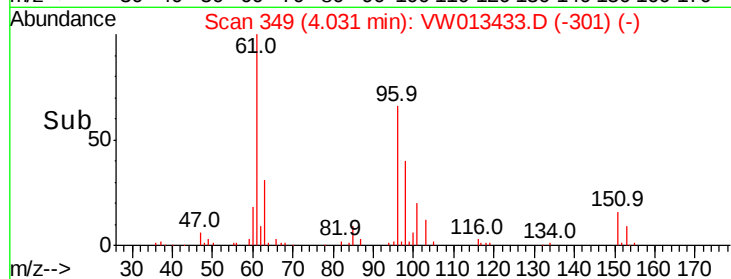
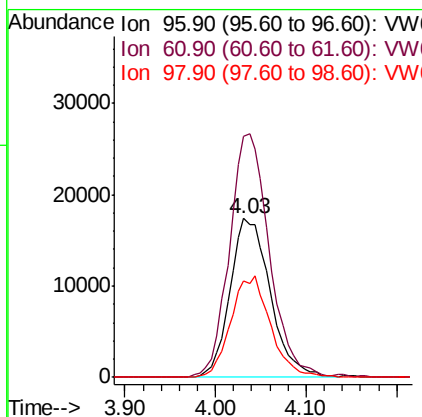
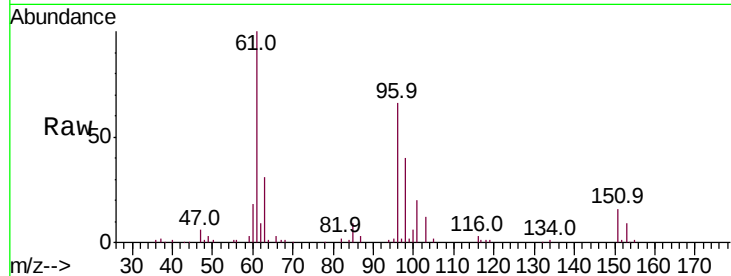




#12
 1,1-Dichloroethene
 Concen: 19.861 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW013433.D
 Acq: 04 Oct 2019 12:43

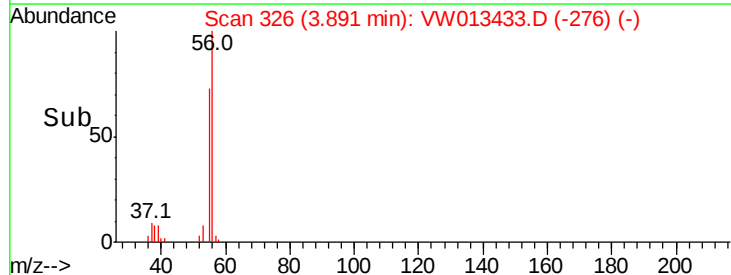
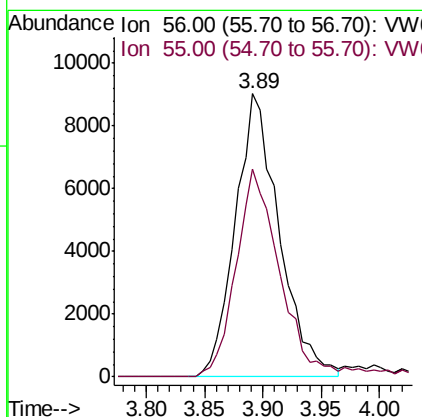
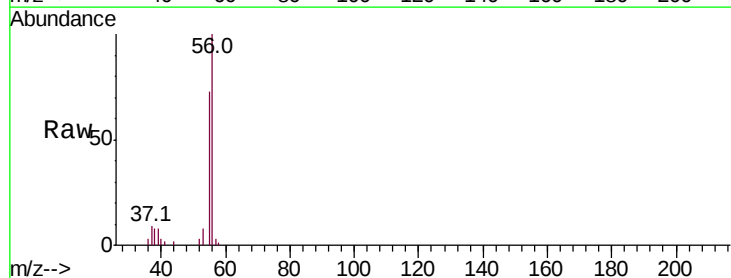
Instrument :
 MSVOA_W
 ClientSampleId :

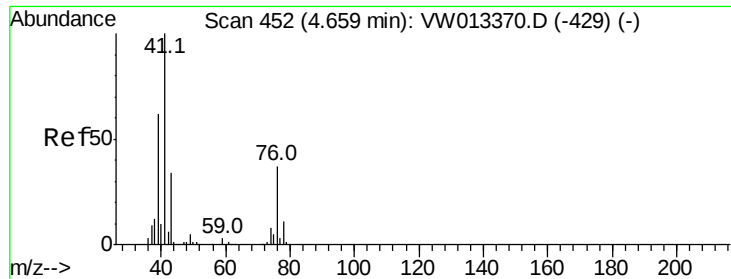
Tot Ion: 96 Resp: 53882
 Ion Ratio Lower Upper
 96 100
 61 151.6 125.1 187.7
 98 61.0 50.8 76.2



#13
 Acrolein
 Concen: 112.502 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. 0.01 min
 Lab File: VW013433.D
 Acq: 04 Oct 2019 12:43

Tgt Ion: 56 Resp: 23679
 Ion Ratio Lower Upper
 56 100
 55 72.1 55.4 83.0

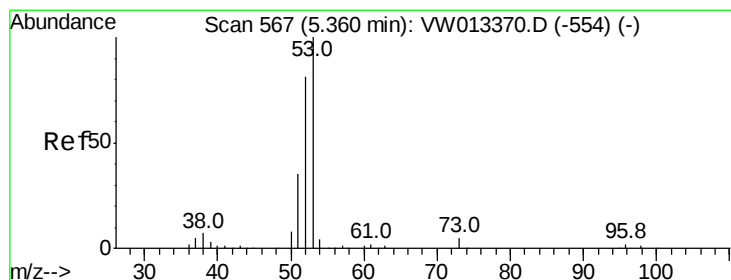
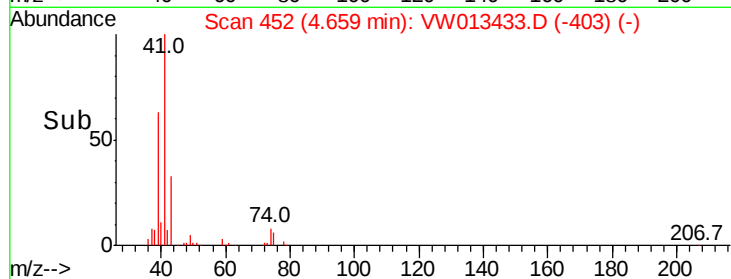
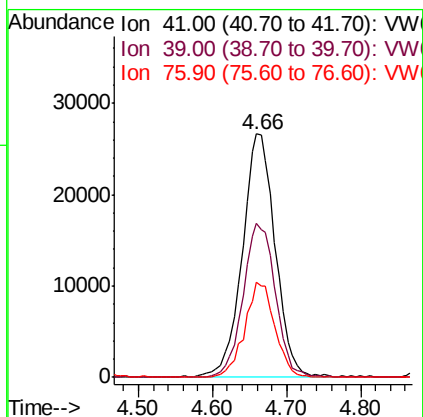
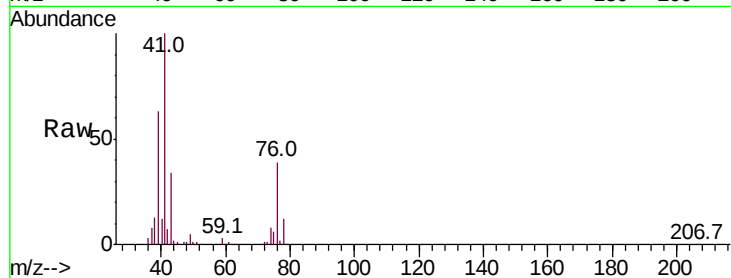




#14
Allvl chloride
Concen: 20.557 ug/l
RT: 4.66 min Scan# 452
Delta R.T. 0.00 min
Lab File: VW013433.D
Acq: 04 Oct 2019 12:43

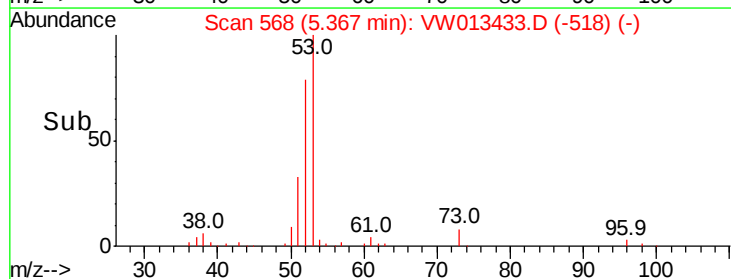
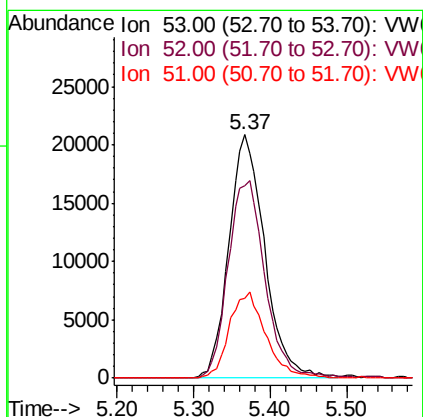
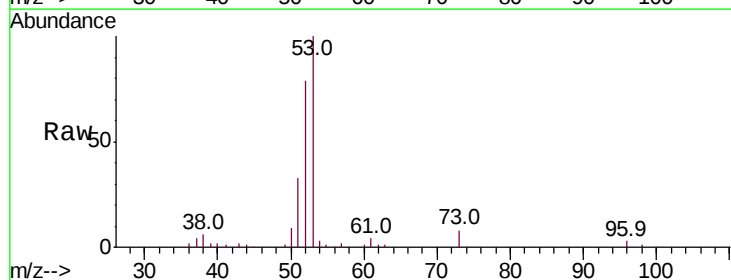
Instrument :
MSVOA_W
ClientSampleId :

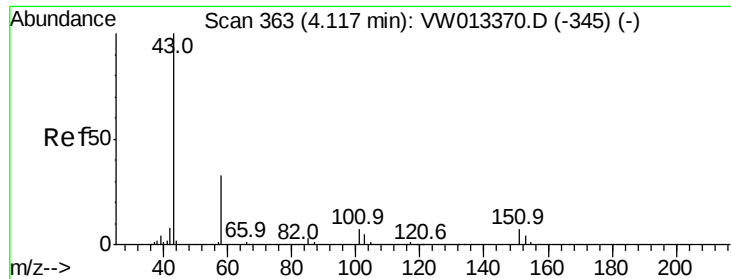
Tot Ion: 41 Resp: 82503
Ion Ratio Lower Upper
41 100
39 62.2 51.0 76.4
76 35.8 28.4 42.6



#15
Acrylonitrile
Concen: 111.671 ug/l
RT: 5.37 min Scan# 568
Delta R.T. 0.01 min
Lab File: VW013433.D
Acq: 04 Oct 2019 12:43

Tgt Ion: 53 Resp: 67672
Ion Ratio Lower Upper
53 100
52 83.4 65.3 97.9
51 35.7 29.0 43.4





#16

Acetone

Concen: 89.583 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW013433.D

Acq: 04 Oct 2019 12:43

Instrument :

MSVOA_W

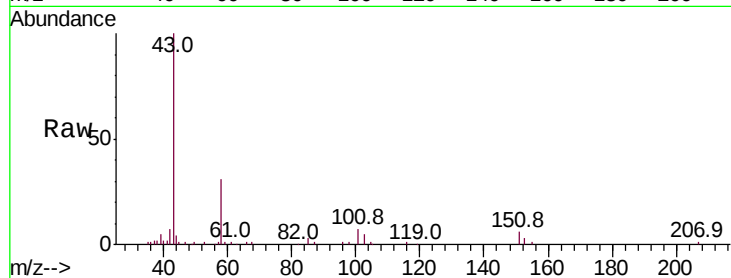
ClientSampled :

Tot Ion: 43 Resp: 60424

Ion Ratio Lower Upper

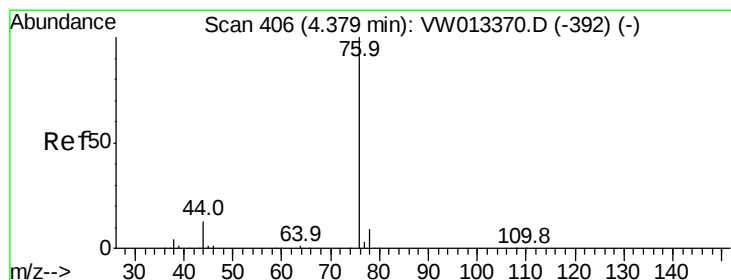
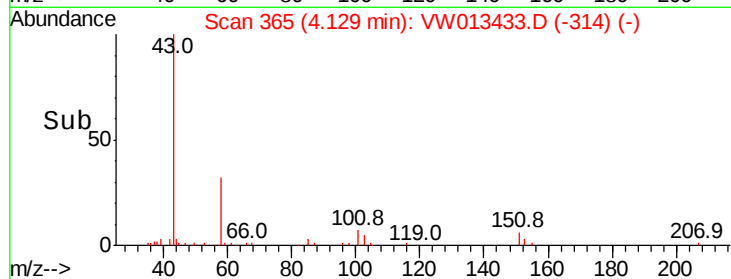
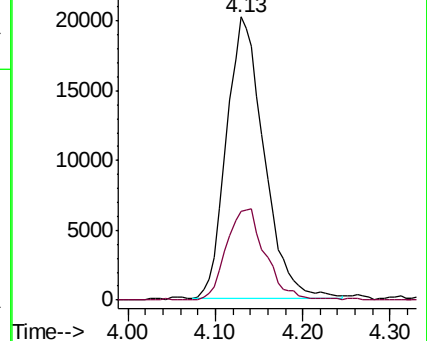
43 100

58 31.5 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#17

Carbon Disulfide

Concen: 20.404 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW013433.D

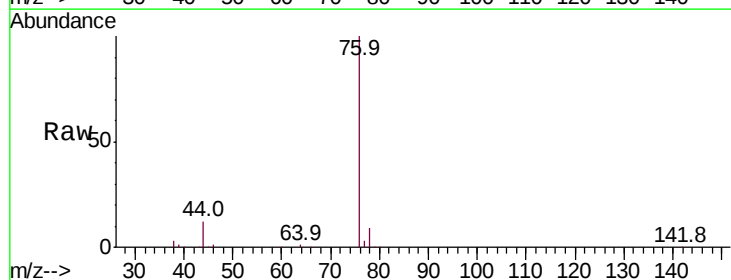
Acq: 04 Oct 2019 12:43

Tgt Ion: 76 Resp: 154426

Ion Ratio Lower Upper

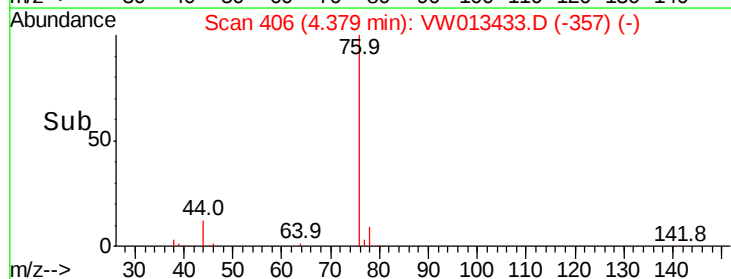
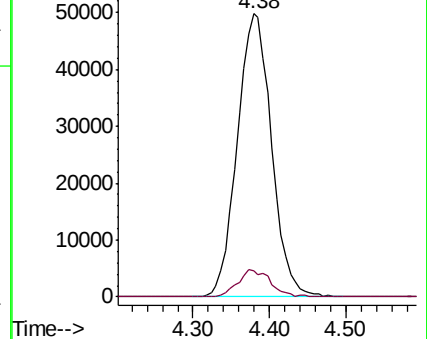
76 100

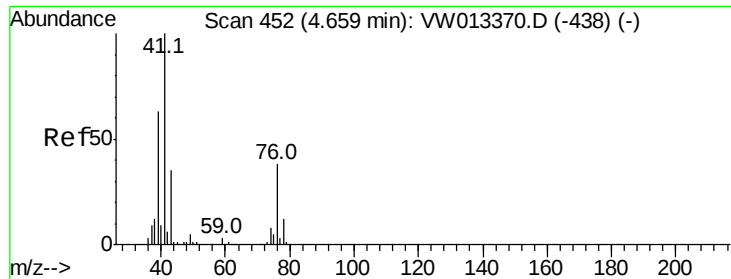
78 9.4 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

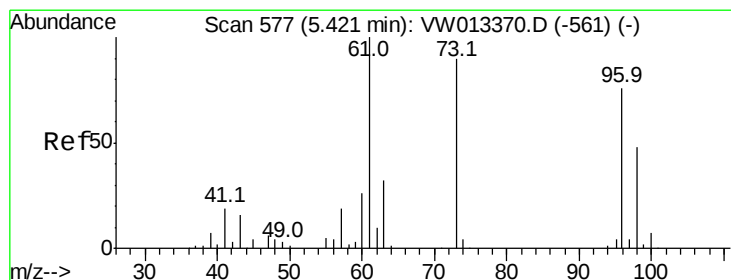
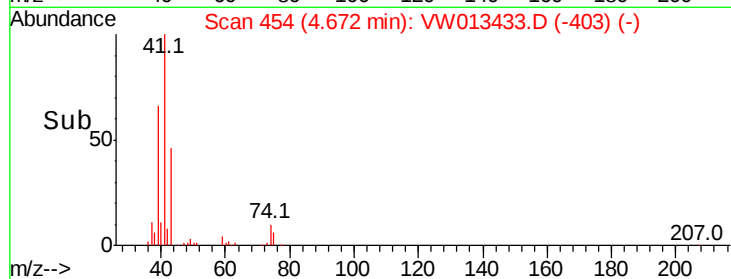
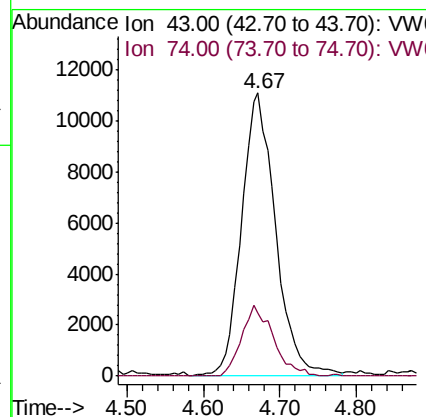
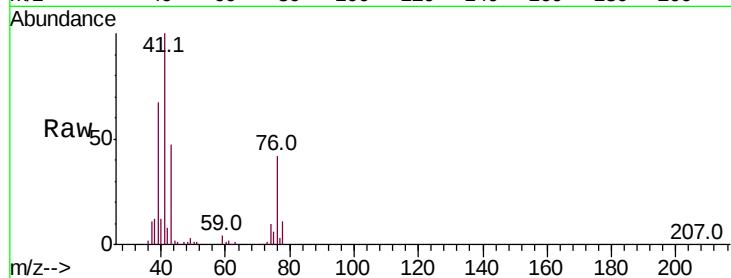




#18
Methyl Acetate
Concen: 21.777 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW013433.D
Acq: 04 Oct 2019 12:43

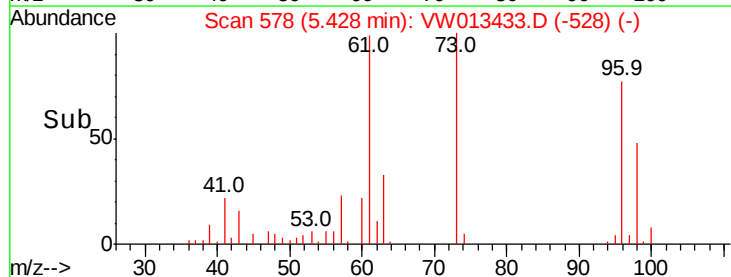
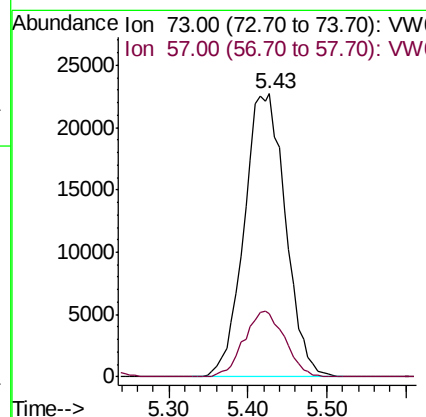
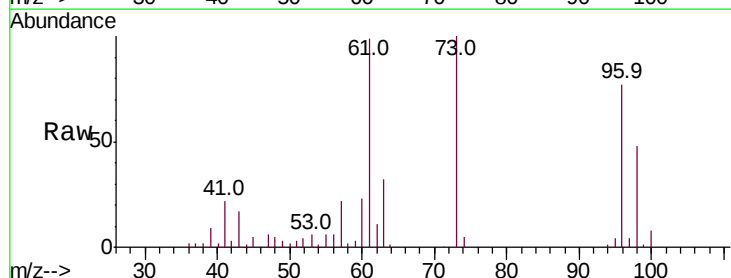
Instrument :
MSVOA_W
ClientSampleId :

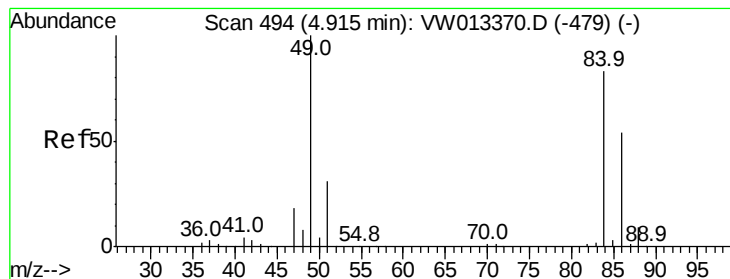
Tot Ion: 43 Resp: 34379
Ion Ratio Lower Upper
43 100
74 23.3 19.3 28.9



#19
Methyl tert-butyl Ether
Concen: 20.679 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW013433.D
Acq: 04 Oct 2019 12:43

Tgt Ion: 73 Resp: 82570
Ion Ratio Lower Upper
73 100
57 22.4 17.6 26.4





#20

Methylene Chloride

Concen: 19.199 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW013433.D

Acq: 04 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 84 Resp: 57167

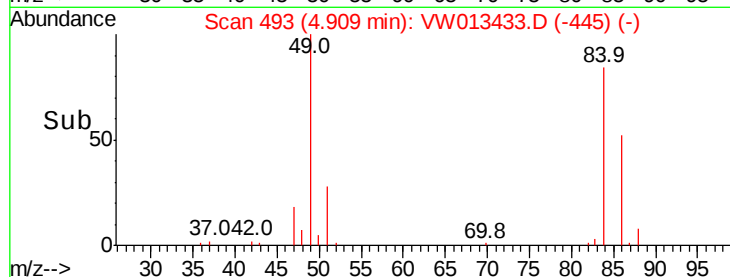
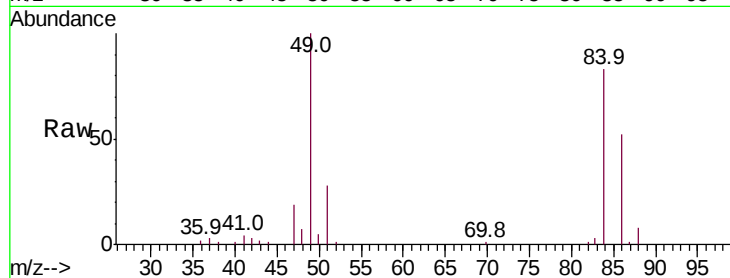
Ion Ratio Lower Upper

84 100

49 120.0 97.6 146.4

51 34.0 30.2 45.2

86 62.8 50.6 76.0

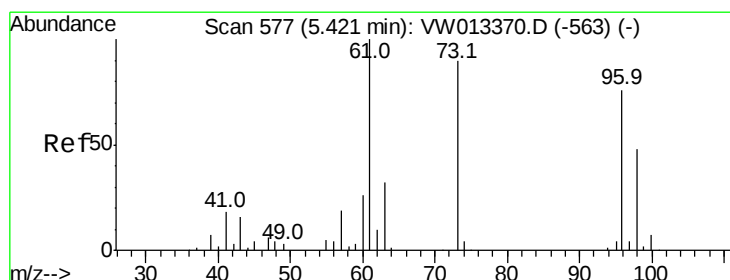
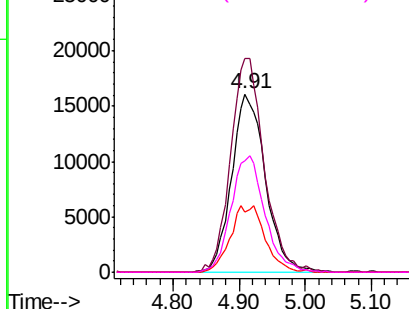


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#21

trans-1,2-Dichloroethene

Concen: 20.167 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW013433.D

Acq: 04 Oct 2019 12:43

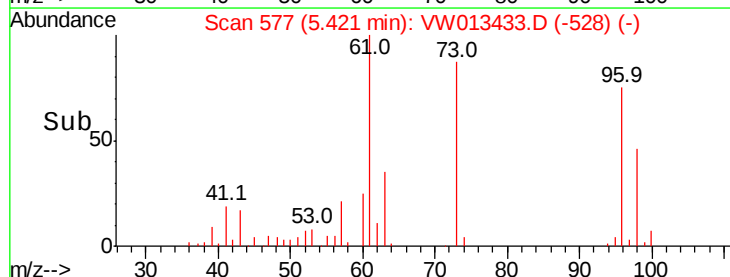
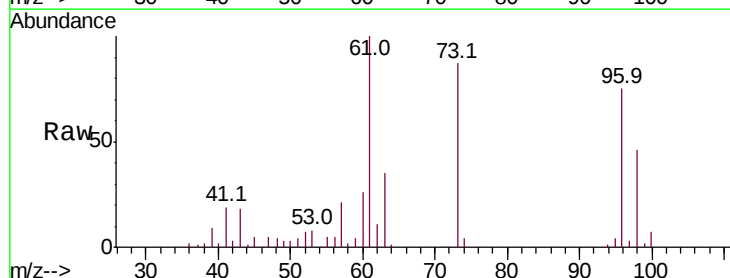
Tgt Ion: 96 Resp: 58266

Ion Ratio Lower Upper

96 100

61 132.5 106.6 159.8

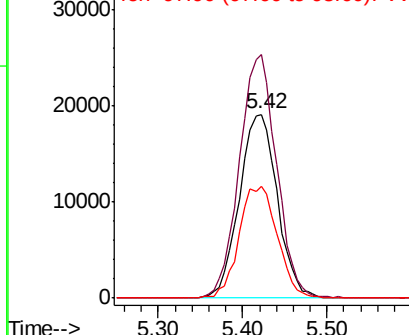
98 60.7 49.8 74.8

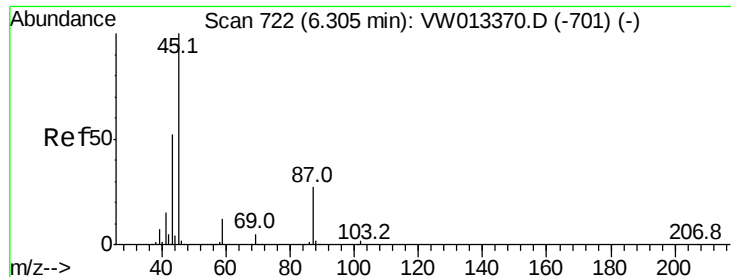


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



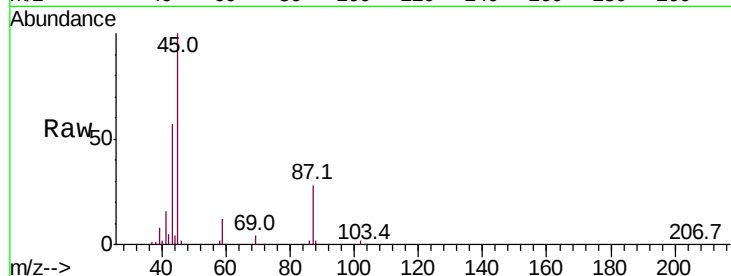


#22

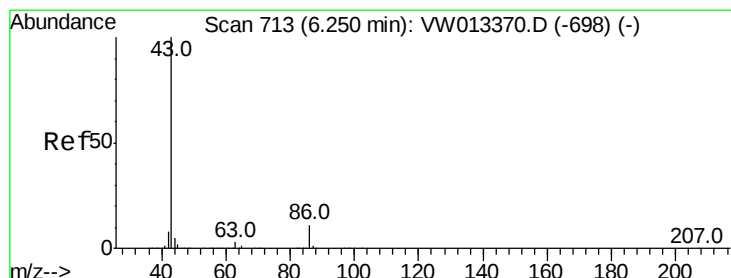
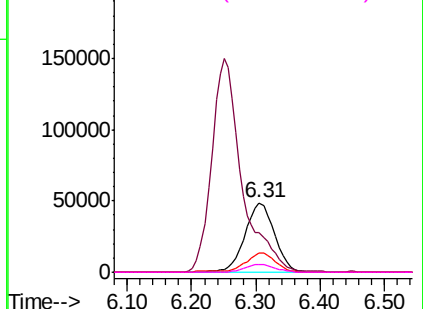
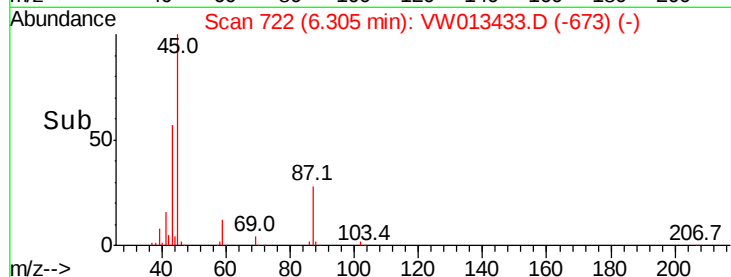
Diisopropyl ether
 Concen: 19.817 ug/l
 RT: 6.31 min Scan# 722
 Delta R.T. 0.00 min
 Lab File: VW013433.D
 Acq: 04 Oct 2019 12:43

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:	45	Resp:	153593
Ion	Ratio	Lower	Upper
45	100		
43	56.1	42.4	63.6
87	27.9	20.4	30.6
59	11.9	8.8	13.2



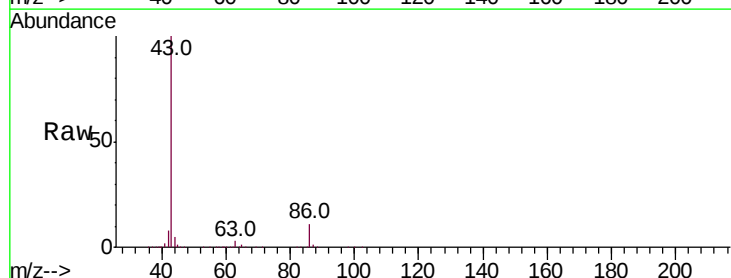
Abundance Ion 45.00 (44.70 to 45.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 87.00 (86.70 to 87.70): VW
 Ion 59.00 (58.70 to 59.70): VW



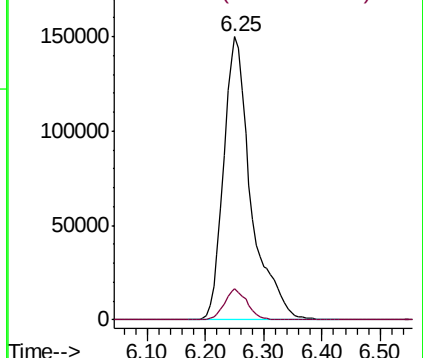
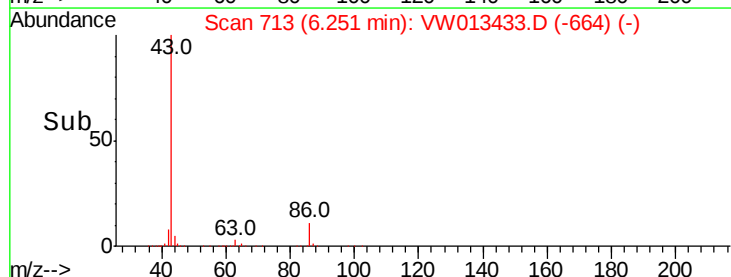
#23

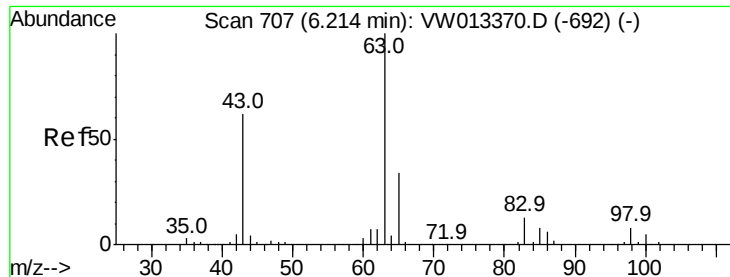
Vinyl Acetate
 Concen: 105.663 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VW013433.D
 Acq: 04 Oct 2019 12:43

Tgt Ion:	43	Resp:	491400
Ion	Ratio	Lower	Upper
43	100		
86	10.9	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: 19.486 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013433.D

Acq: 04 Oct 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :

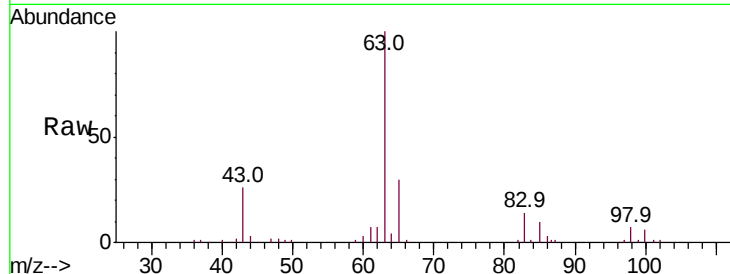
Tot Ion: 63 Resp: 91987

Ion Ratio Lower Upper

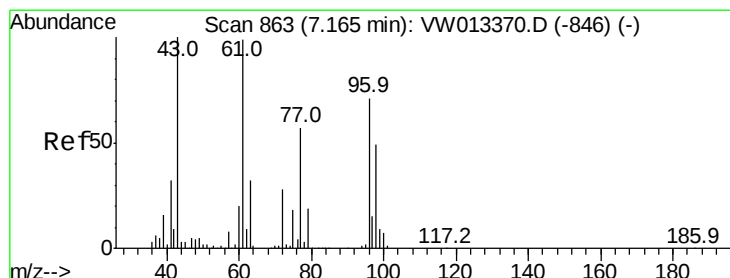
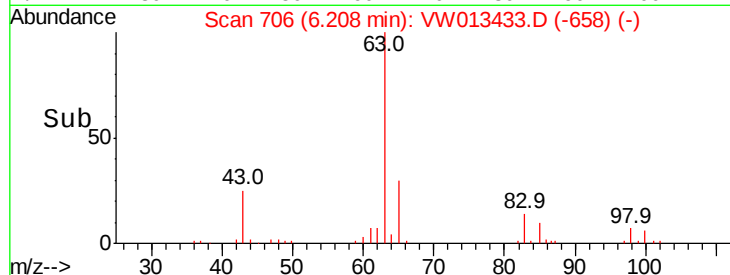
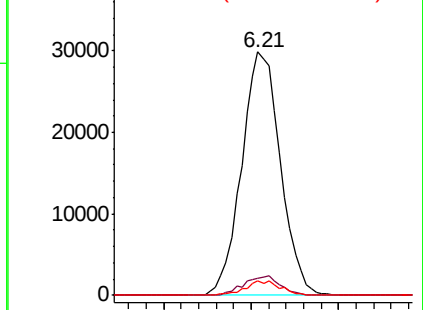
63 100

98 7.2 3.5 10.5

100 6.2 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: 103.133 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013433.D

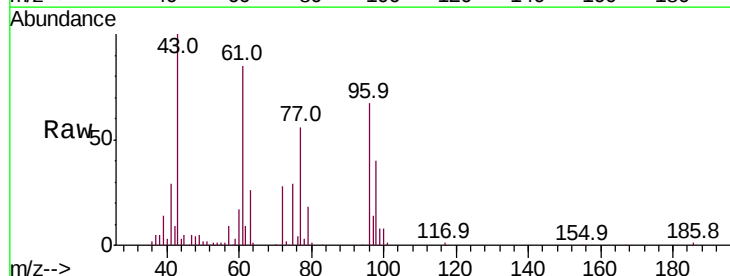
Acq: 04 Oct 2019 12:43

Tgt Ion: 43 Resp: 89012

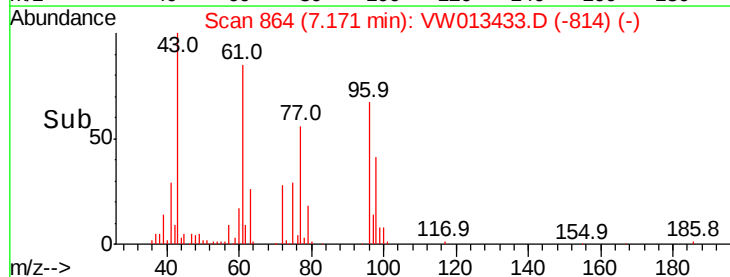
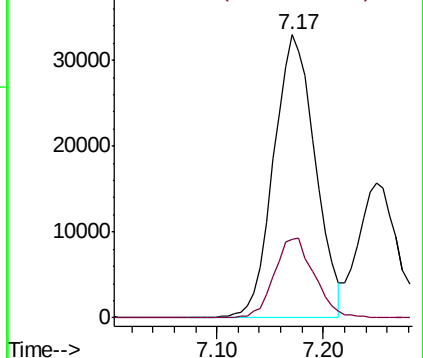
Ion Ratio Lower Upper

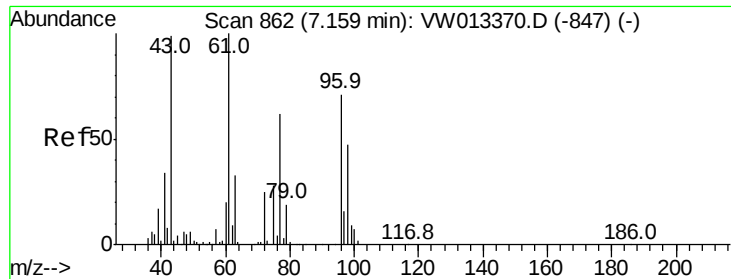
43 100

72 27.6 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

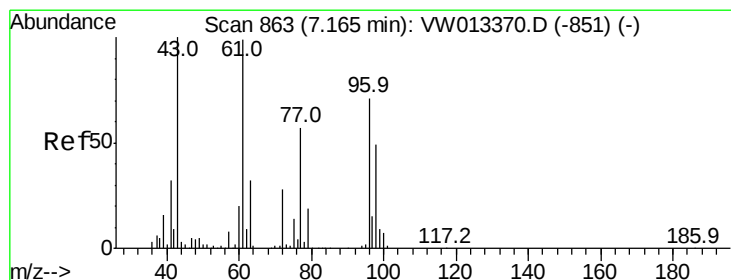
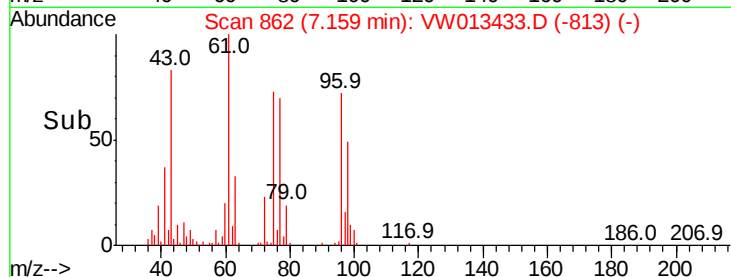
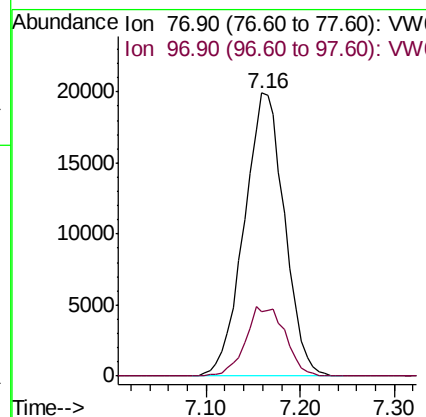
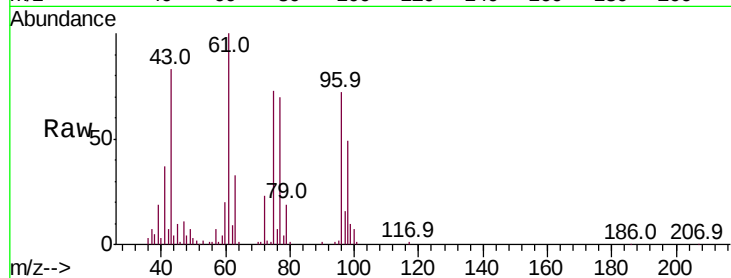




#26
 2,2-Dichloropropane
 Concen: 20.854 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VW013433.D
 Acq: 04 Oct 2019 12:43

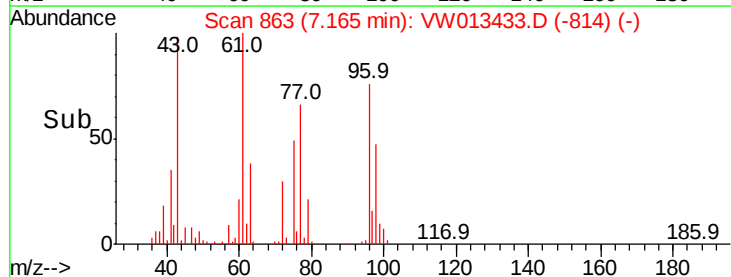
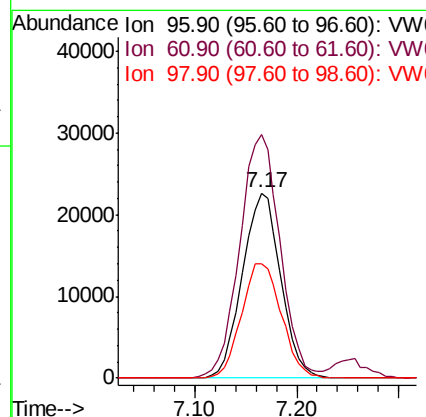
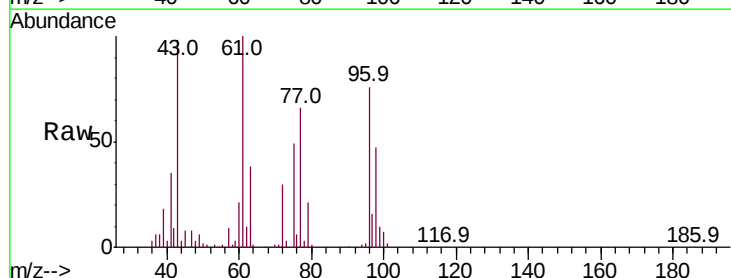
Instrument :
 MSVOA_W
 ClientSampled :

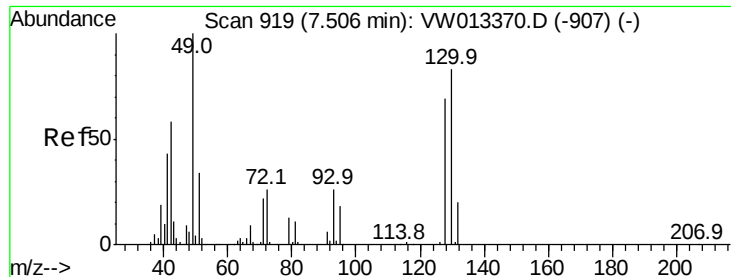
Tot Ion: 77 Resp: 59601
 Ion Ratio Lower Upper
 77 100
 97 24.0 11.8 35.4



#27
 cis-1,2-Dichloroethene
 Concen: 19.585 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW013433.D
 Acq: 04 Oct 2019 12:43

Tgt Ion: 96 Resp: 59229
 Ion Ratio Lower Upper
 96 100
 61 138.6 0.0 282.4
 98 64.3 0.0 128.2

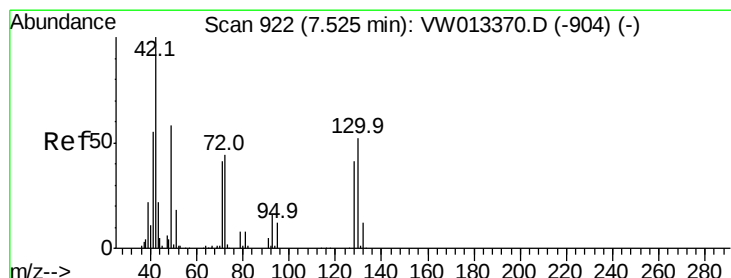
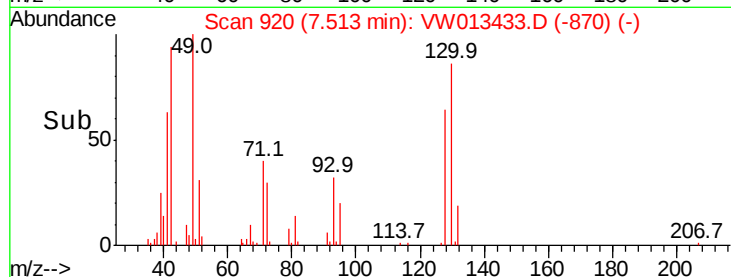
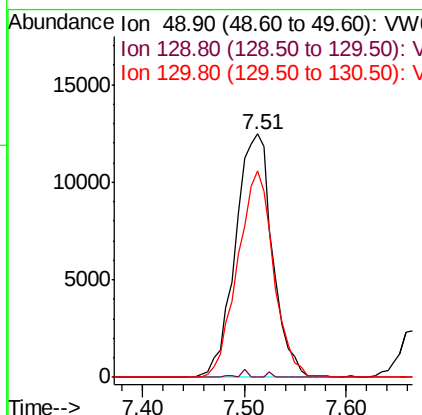
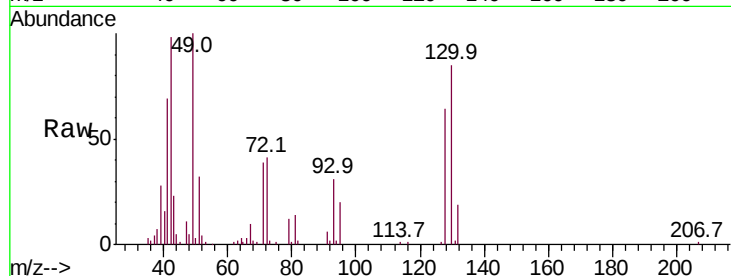




#28
Bromochloromethane
Concen: 18.415 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW013433.D
Acq: 04 Oct 2019 12:43

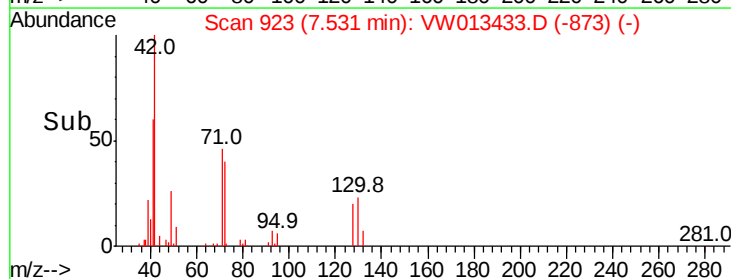
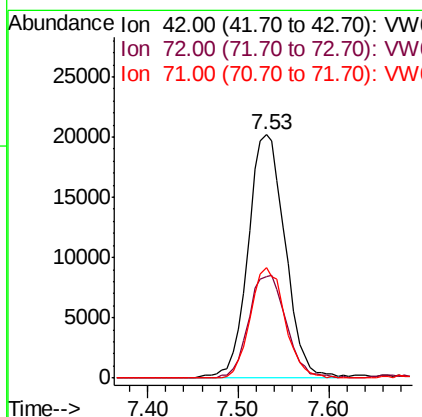
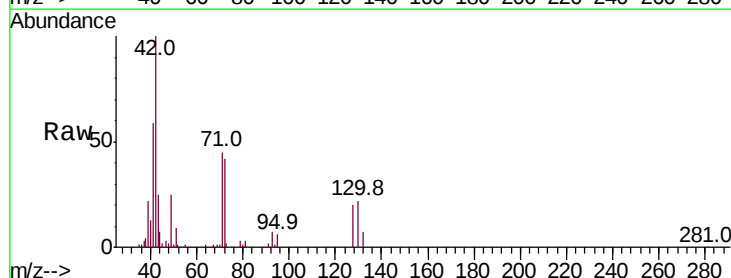
Instrument :
MSVOA_W
ClientSampleId :

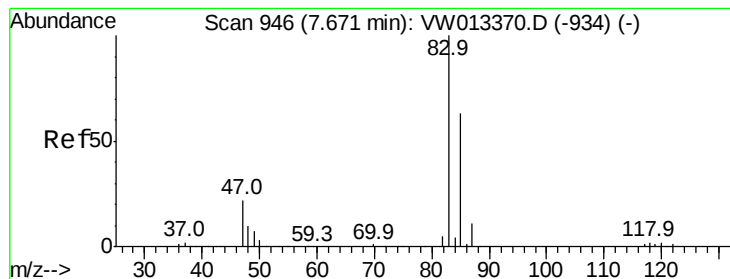
Tot Ion: 49 Resp: 31431
Ion Ratio Lower Upper
49 100
129 0.3 0.0 1.0
130 82.6 63.4 95.2



#29
Tetrahydrofuran
Concen: 119.022 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013433.D
Acq: 04 Oct 2019 12:43

Tgt Ion: 42 Resp: 57097
Ion Ratio Lower Upper
42 100
72 42.9 33.9 50.9
71 42.3 31.9 47.9





#30

Chloroform

Concen: 18.926 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW013433.D

Acq: 04 Oct 2019 12:43

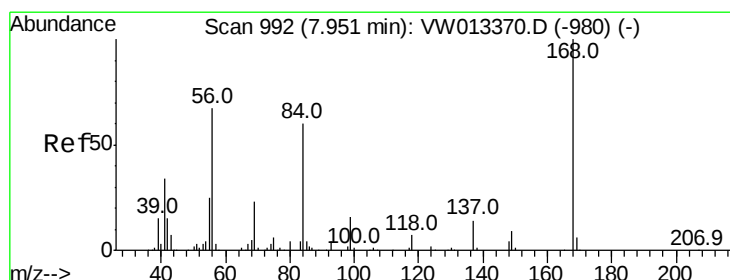
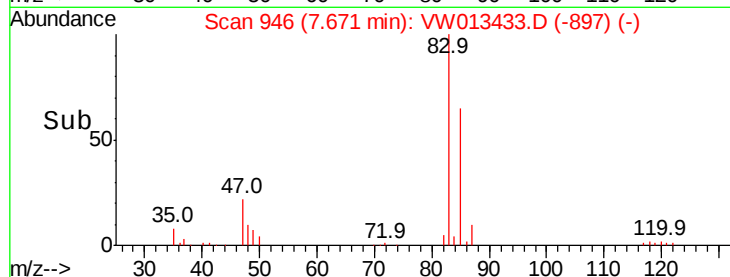
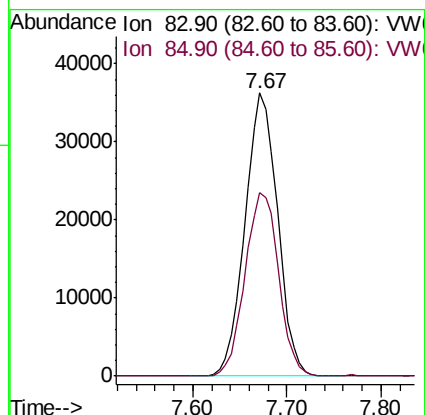
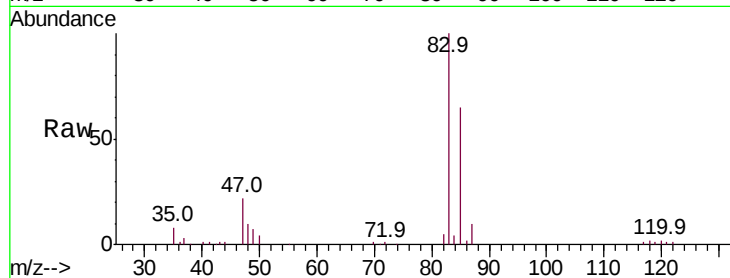
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 87607

Ion Ratio Lower Upper

83 100

85 64.8 52.3 78.5



#31

Cyclohexane

Concen: 19.989 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013433.D

Acq: 04 Oct 2019 12:43

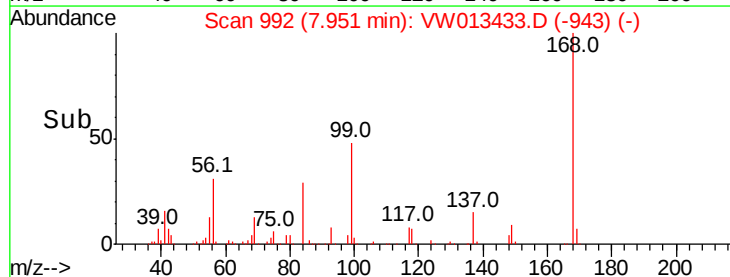
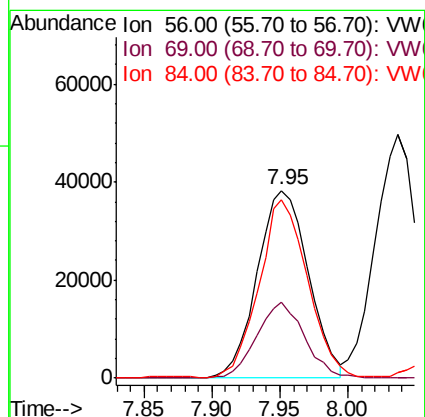
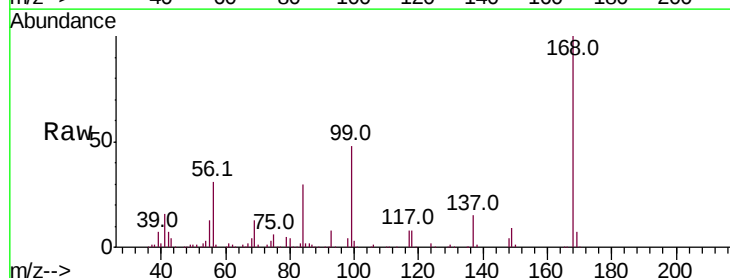
Tgt Ion: 56 Resp: 100631

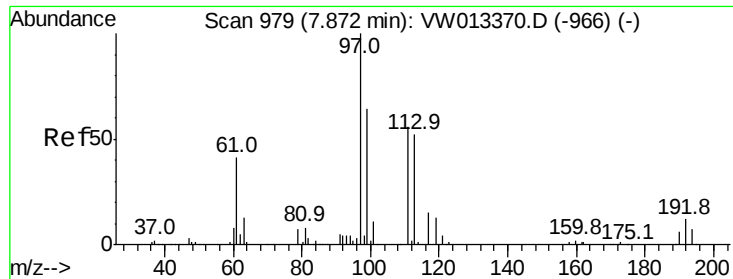
Ion Ratio Lower Upper

56 100

69 40.6 27.2 40.8

84 93.9 70.8 106.2





#32

1,1,1-Trichloroethane

Concen: 19.955 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

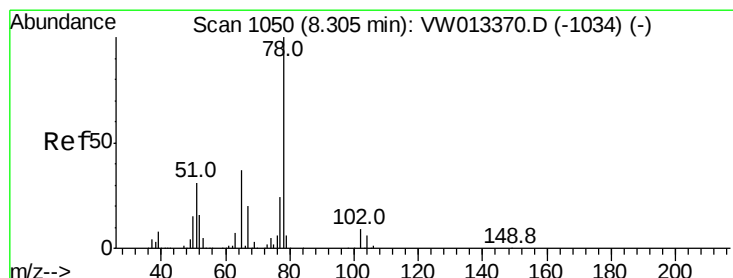
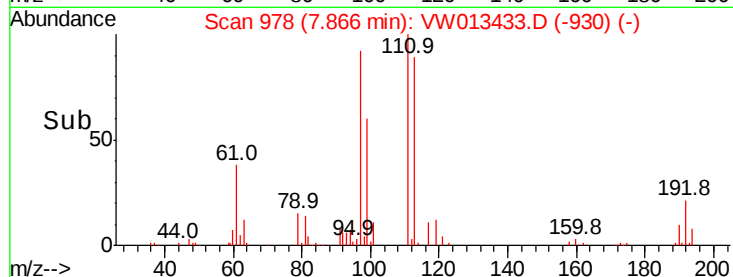
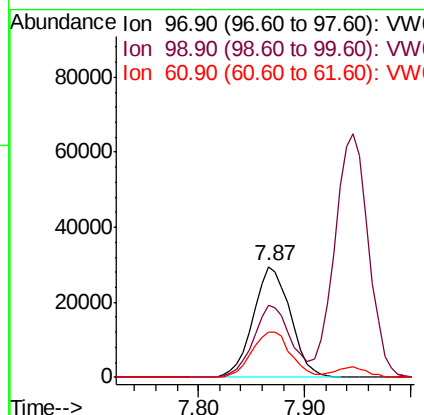
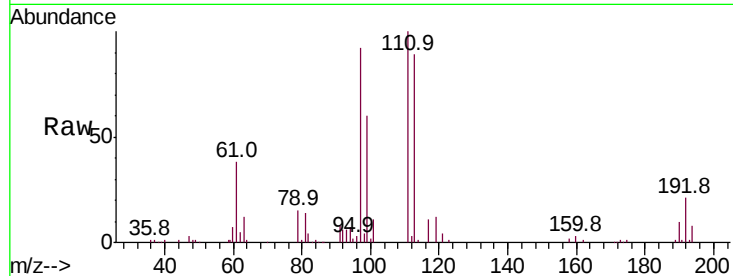
Lab File: VW013433.D

Acq: 04 Oct 2019 12:43

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 97 Resp: 72366

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.7	77.5
61	42.9	34.6	51.8



#33

1,2-Dichloroethane-d4

Concen: 52.230 ug/l

RT: 8.31 min Scan# 1050

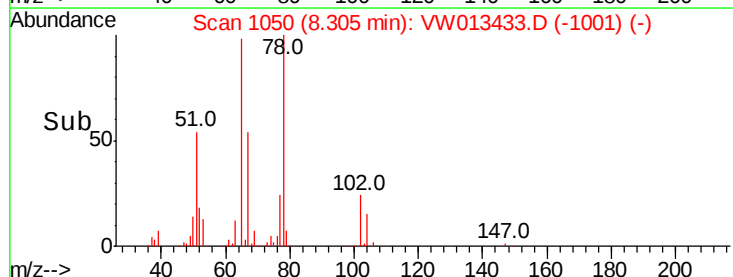
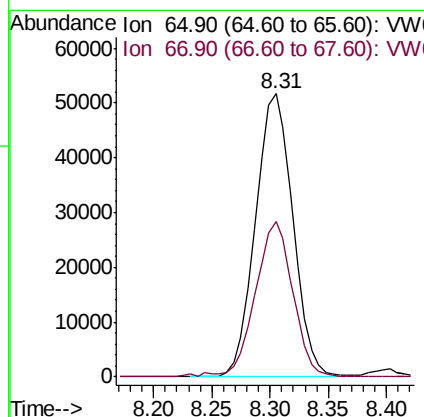
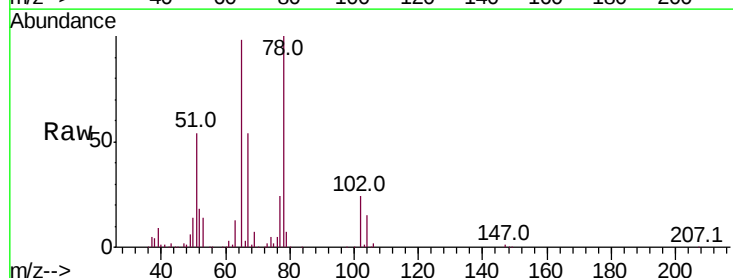
Delta R.T. 0.00 min

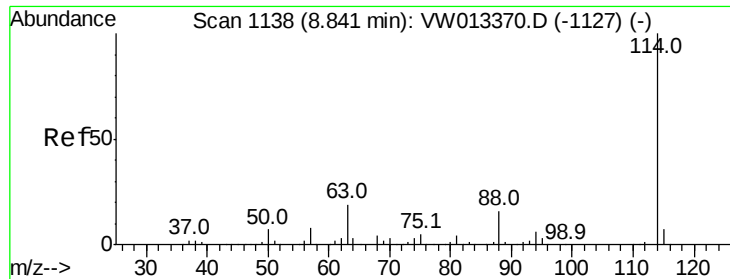
Lab File: VW013433.D

Acq: 04 Oct 2019 12:43

Tgt Ion: 65 Resp: 114934

Ion	Ratio	Lower	Upper
65	100		
67	55.2	0.0	106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW013433.D

Acq: 04 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampled :

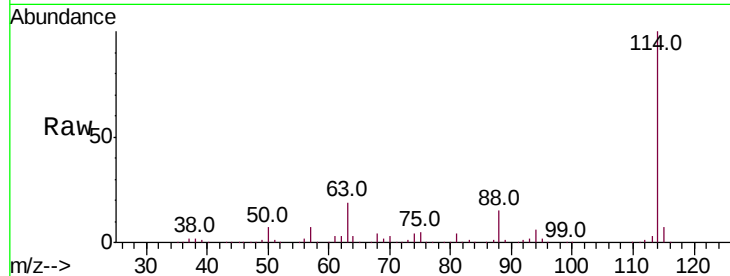
Tot Ion:114 Resp: 416982

Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.4

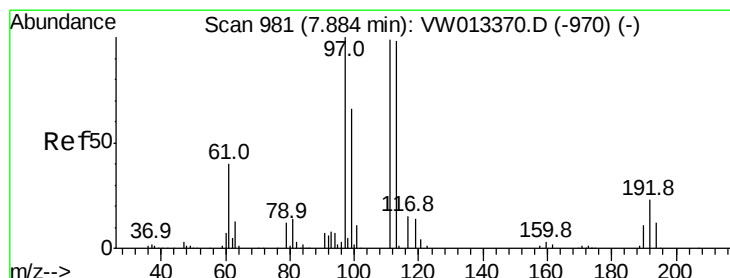
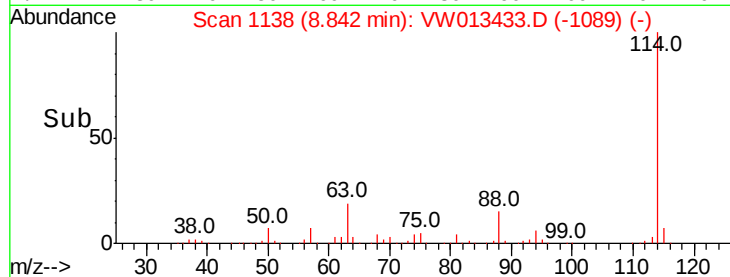
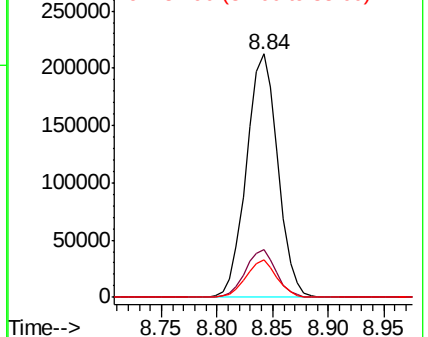
88 15.4 0.0 32.0



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: 51.801 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013433.D

Acq: 04 Oct 2019 12:43

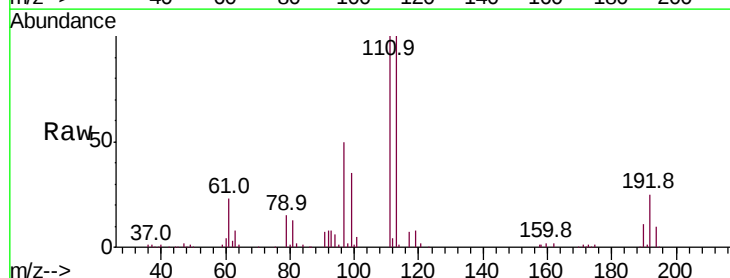
Tgt Ion:113 Resp: 113340

Ion Ratio Lower Upper

113 100

111 103.2 81.9 122.9

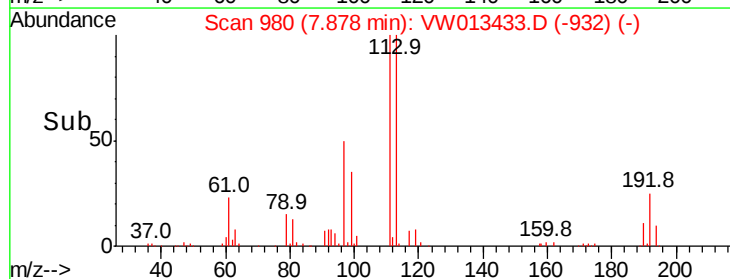
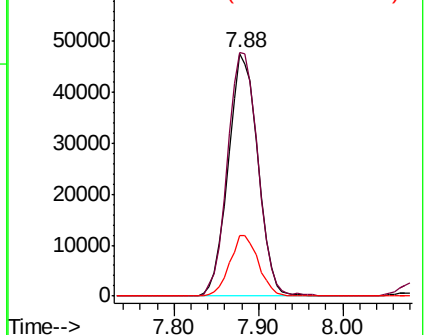
192 24.1 19.1 28.7

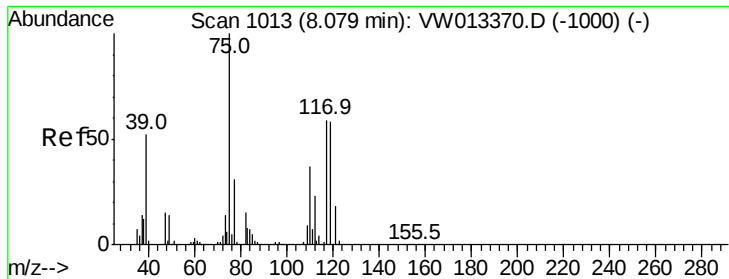


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

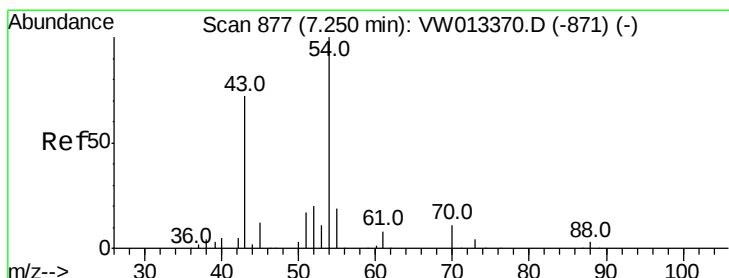
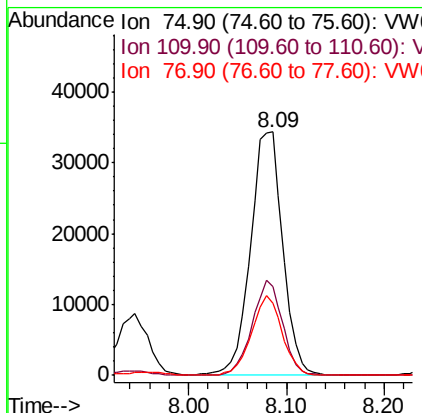
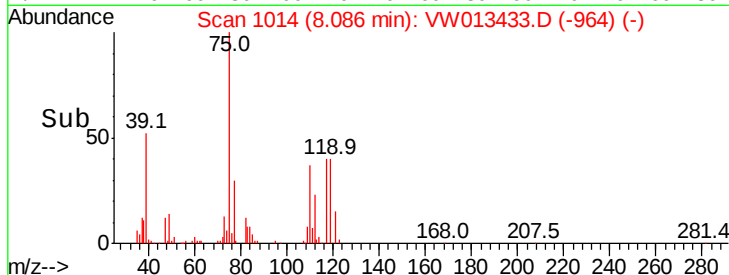
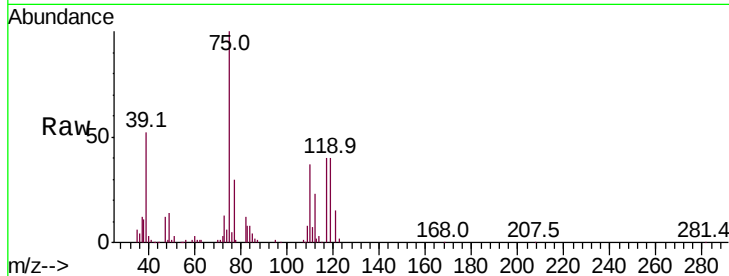




#36
 1,1-Dichloropropene
 Concen: 20.428 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VW013433.D
 Acq: 04 Oct 2019 12:43

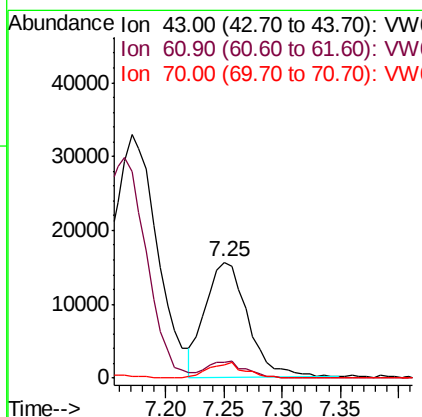
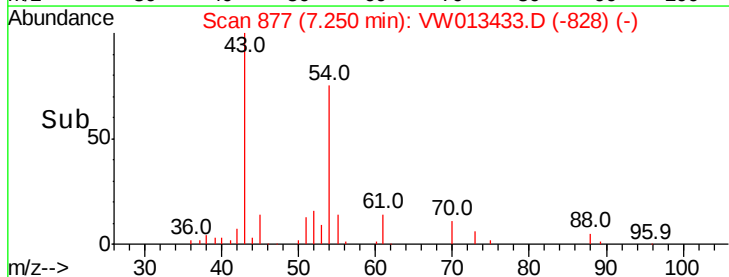
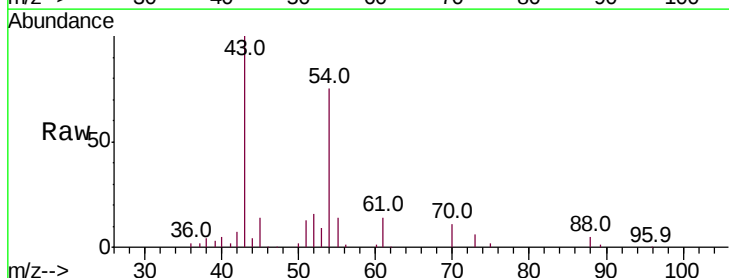
Instrument :
 MSVOA_W
 ClientSampled :

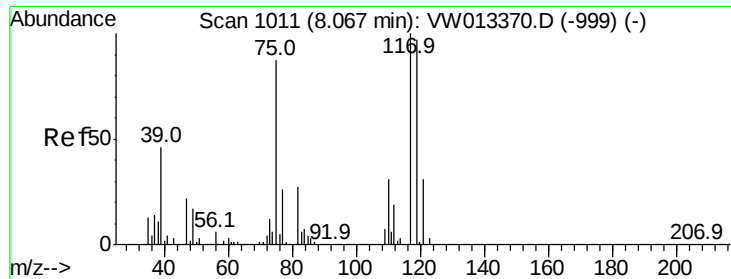
Tot Ion: 75 Resp: 79116
 Ion Ratio Lower Upper
 75 100
 110 36.4 18.1 54.3
 77 31.1 25.8 38.6



#37
 Ethyl Acetate
 Concen: 23.153 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. 0.00 min
 Lab File: VW013433.D
 Acq: 04 Oct 2019 12:43

Tgt Ion: 43 Resp: 39438
 Ion Ratio Lower Upper
 43 100
 61 13.4 10.9 16.3
 70 11.9 8.2 12.2





#38

Carbon Tetrachloride

Concen: 20.304 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW013433.D

Acq: 04 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

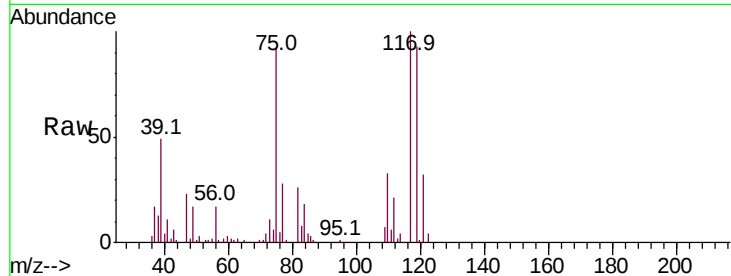
Tot Ion:117 Resp: 68119

Ion Ratio Lower Upper

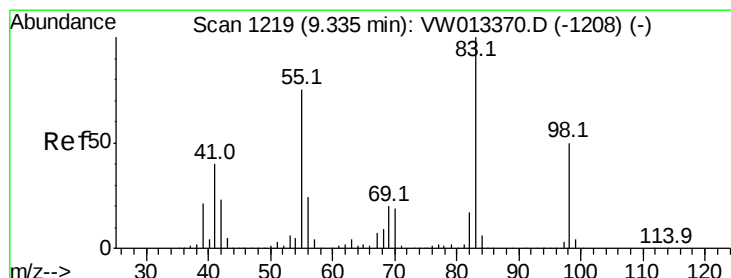
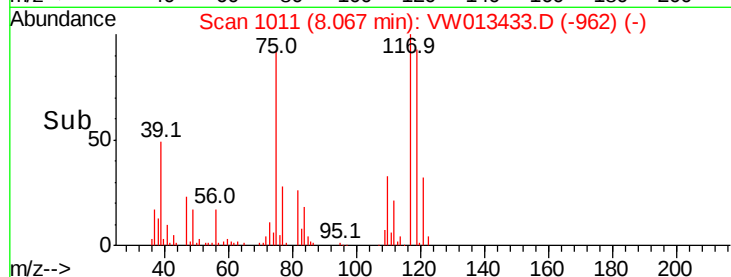
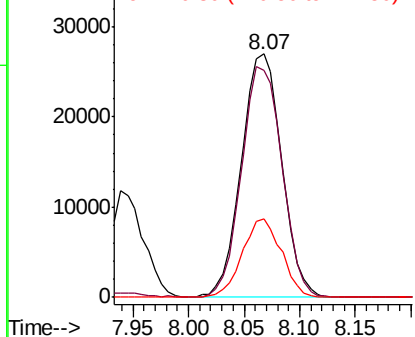
117 100

119 93.5 73.5 110.3

121 32.1 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

Methylcyclohexane

Concen: 20.164 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW013433.D

Acq: 04 Oct 2019 12:43

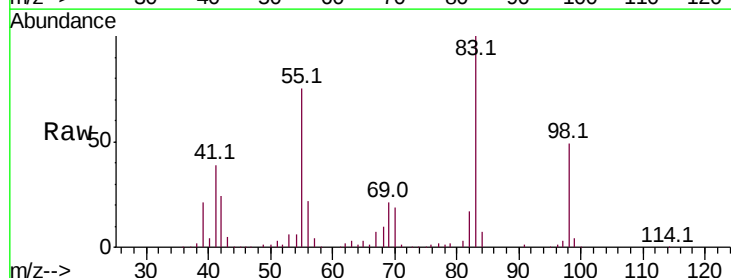
Tgt Ion: 83 Resp: 102847

Ion Ratio Lower Upper

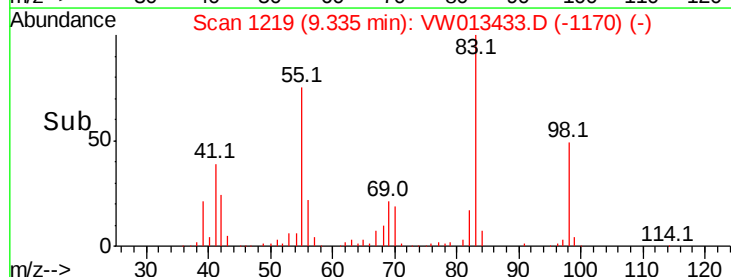
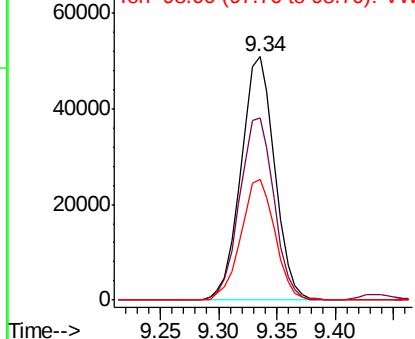
83 100

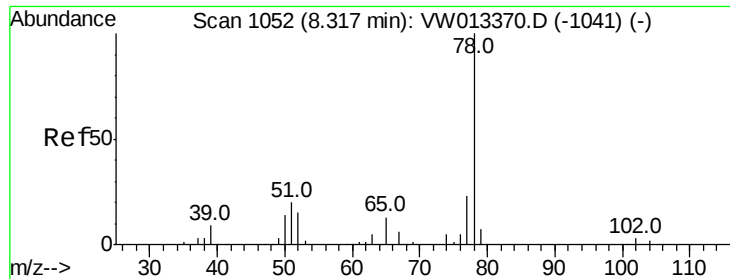
55 74.9 60.4 90.6

98 49.4 40.0 60.0



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 20.087 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VW013433.D

Acq: 04 Oct 2019 12:43

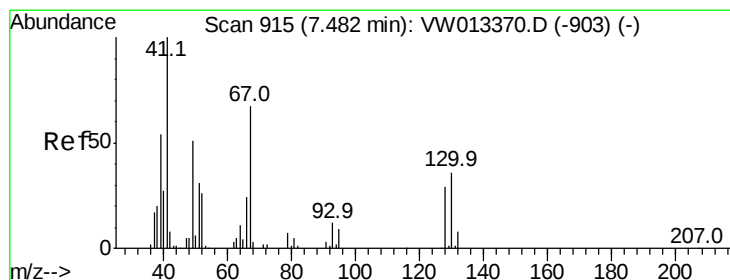
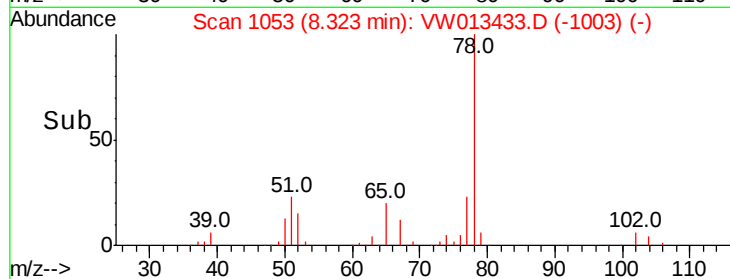
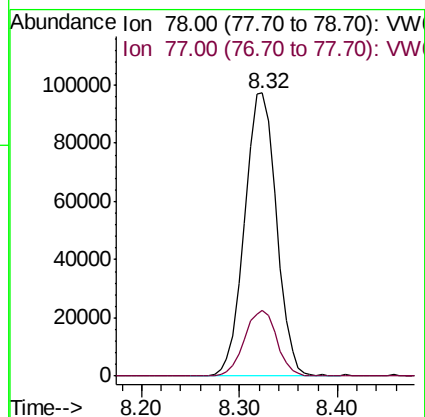
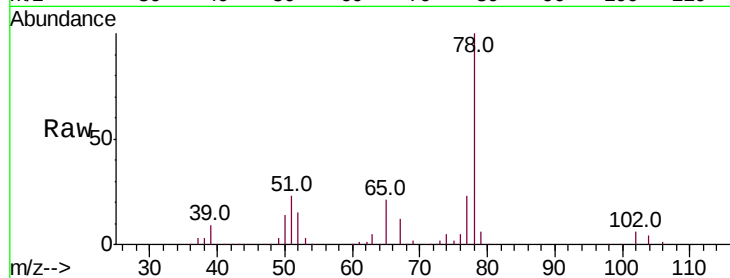
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 78 Resp: 220220

Ion Ratio Lower Upper

78 100

77 23.4 19.1 28.7



#41

Methacrylonitrile

Concen: 20.854 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW013433.D

Acq: 04 Oct 2019 12:43

Tgt Ion: 41 Resp: 21492

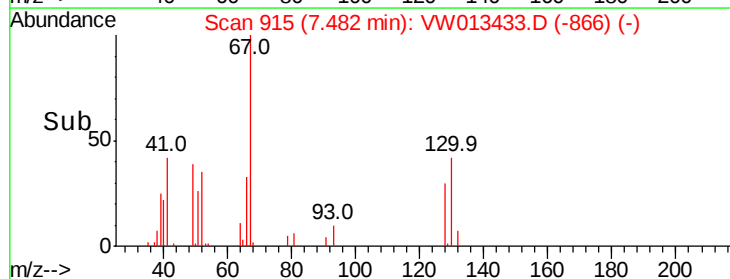
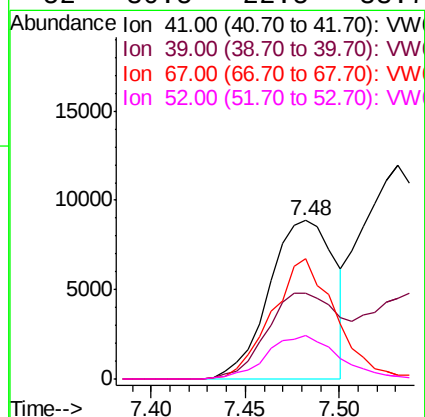
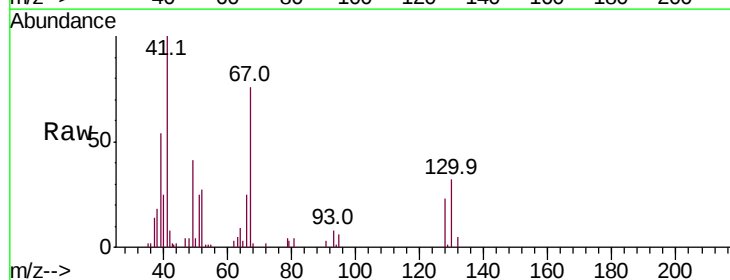
Ion Ratio Lower Upper

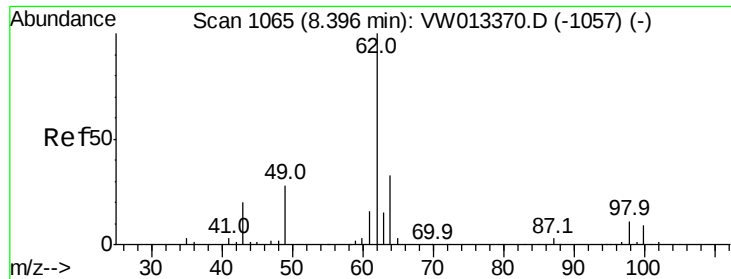
41 100

39 61.4 45.9 68.9

67 73.3 54.5 81.7

52 30.5 22.5 33.7





#42

1,2-Dichloroethane

Concen: 20.485 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW013433.D

Acq: 04 Oct 2019 12:43

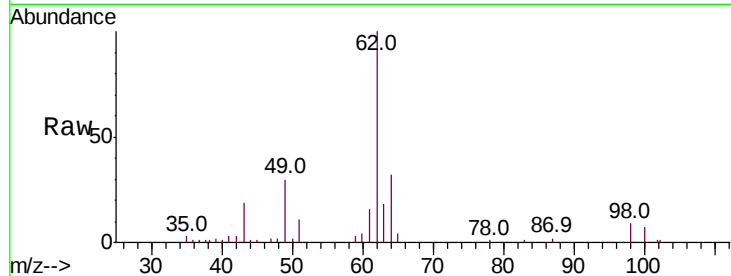
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 62 Resp: 57722

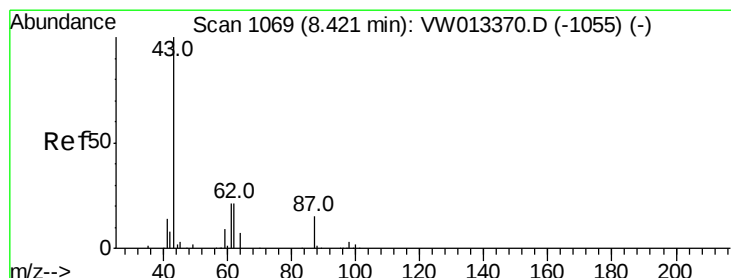
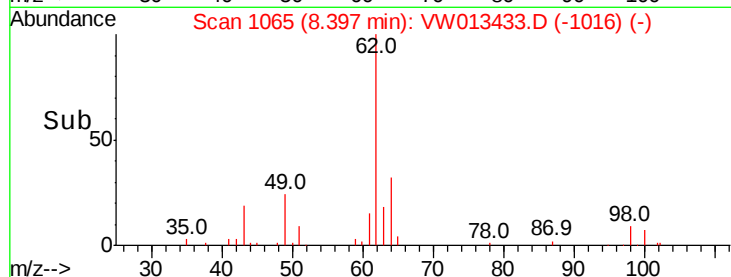
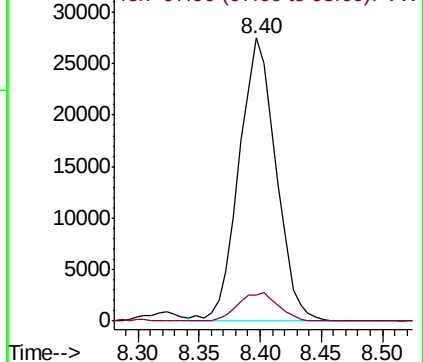
Ion Ratio Lower Upper

62 100

98 10.9 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: 22.014 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013433.D

Acq: 04 Oct 2019 12:43

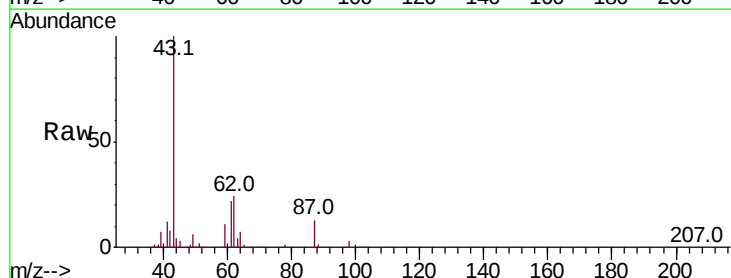
Tgt Ion: 43 Resp: 70822

Ion Ratio Lower Upper

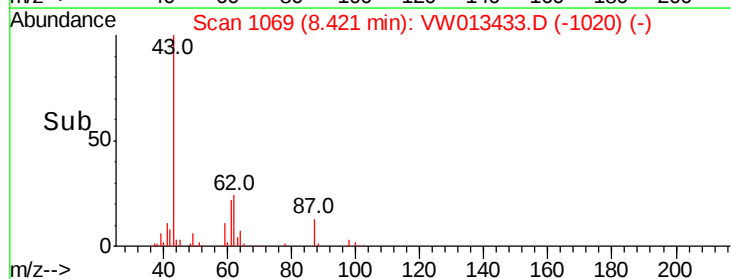
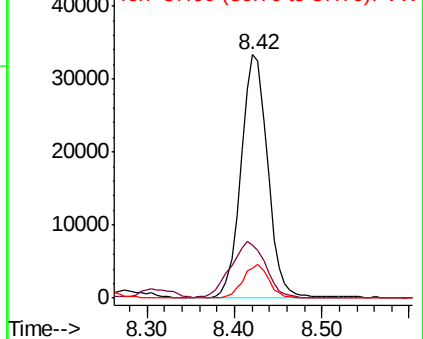
43 100

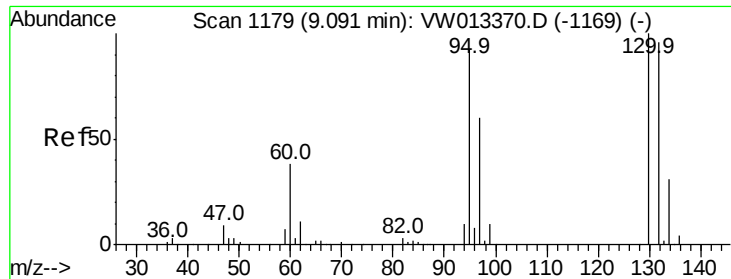
61 30.3 25.5 38.3

87 13.3 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

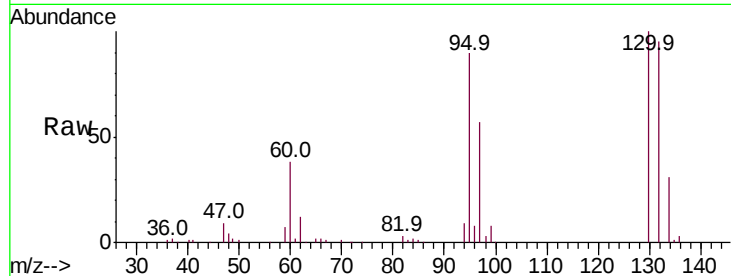




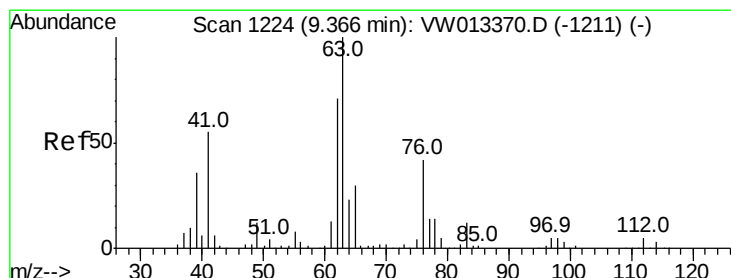
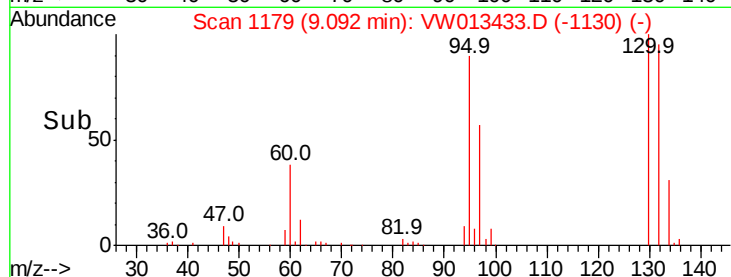
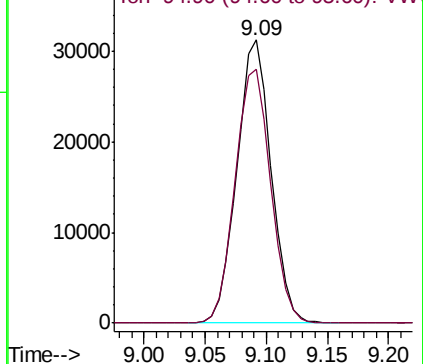
#44
 Trichloroethene
 Concen: 19.655 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW013433.D
 Acq: 04 Oct 2019 12:43

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:130 Resp: 60683
 Ion Ratio Lower Upper
 130 100
 95 89.7 0.0 188.0

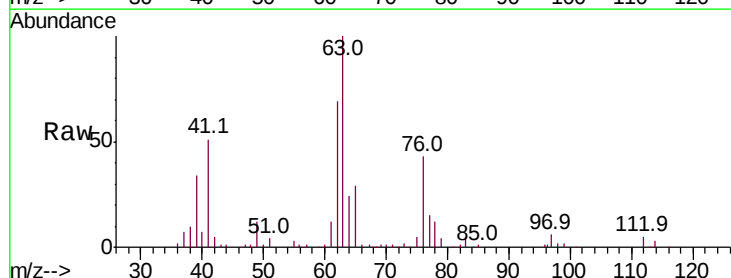


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VW

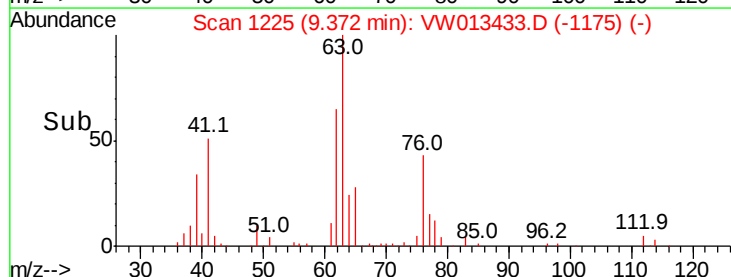
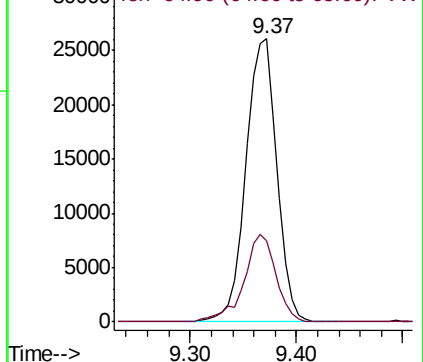


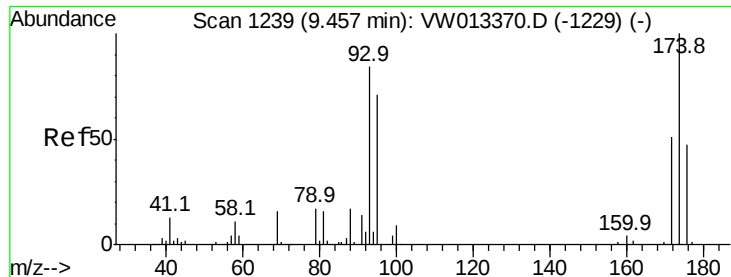
#45
 1,2-Dichloropropane
 Concen: 20.260 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW013433.D
 Acq: 04 Oct 2019 12:43

Tgt Ion: 63 Resp: 53332
 Ion Ratio Lower Upper
 63 100
 65 28.7 25.3 37.9



Abundance Ion 62.90 (62.60 to 63.60): VW
 Ion 64.90 (64.60 to 65.60): VW

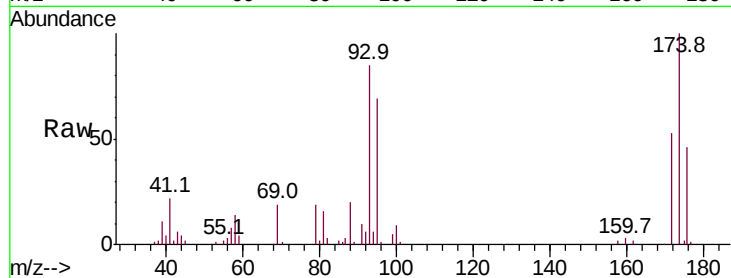




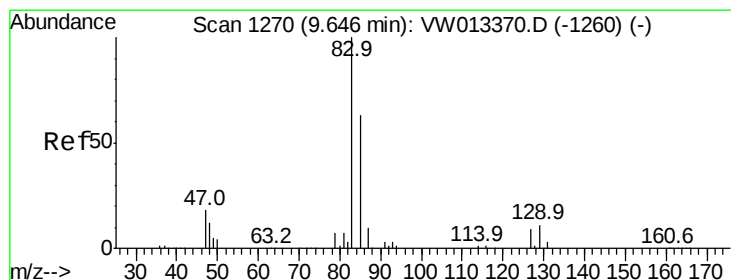
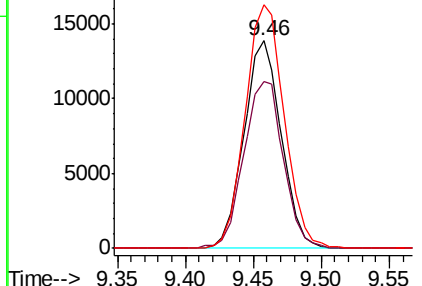
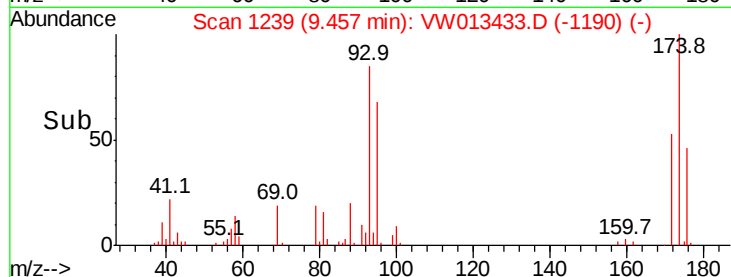
#46
Dibromomethane
Concen: 20.317 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VW013433.D
Acq: 04 Oct 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 93 Resp: 26639
Ion Ratio Lower Upper
93 100
95 85.2 66.4 99.6
174 122.9 93.0 139.6

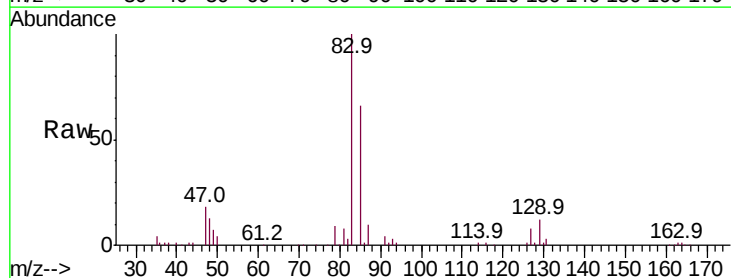


Abundance Ion 92.80 (92.50 to 93.50): VW
Ion 94.80 (94.50 to 95.50): VW
Ion 173.70 (173.40 to 174.40): V

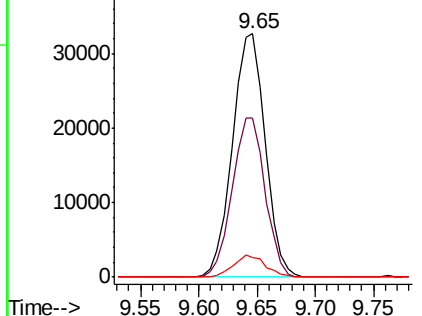
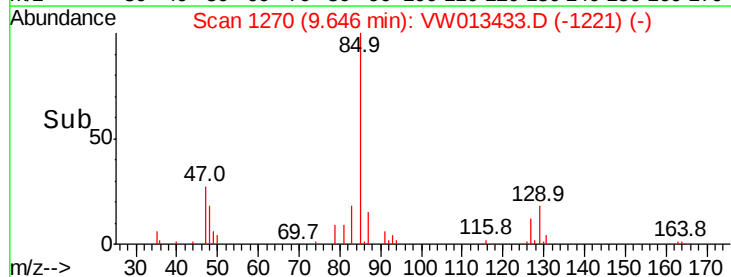


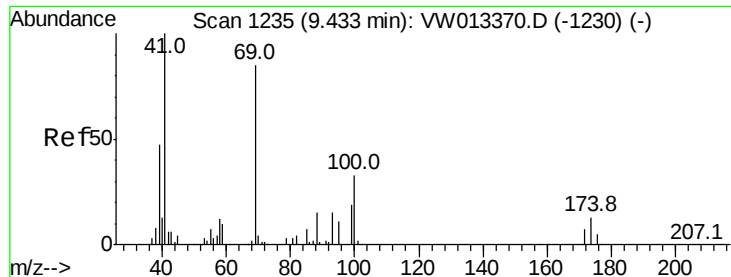
#47
Bromodichloromethane
Concen: 19.860 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW013433.D
Acq: 04 Oct 2019 12:43

Tgt Ion: 83 Resp: 64101
Ion Ratio Lower Upper
83 100
85 65.5 49.4 74.2
127 8.0 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): V

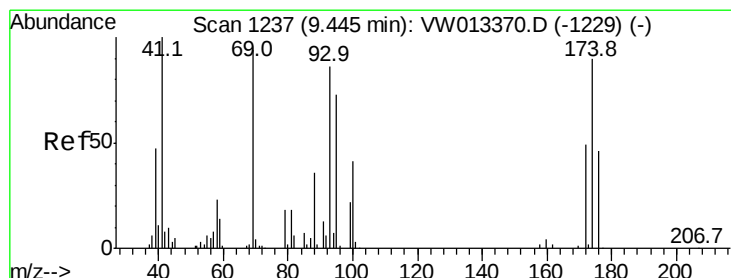
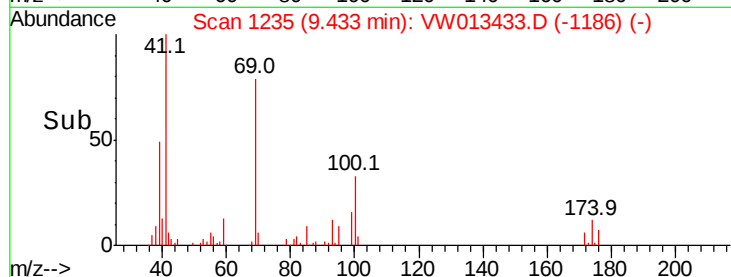
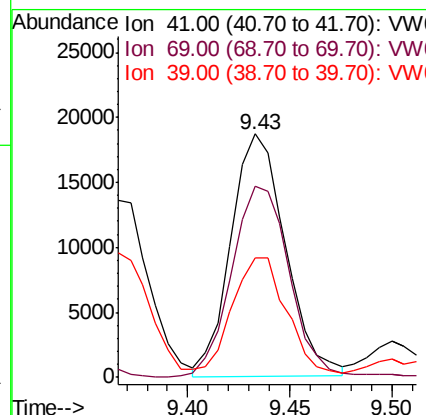
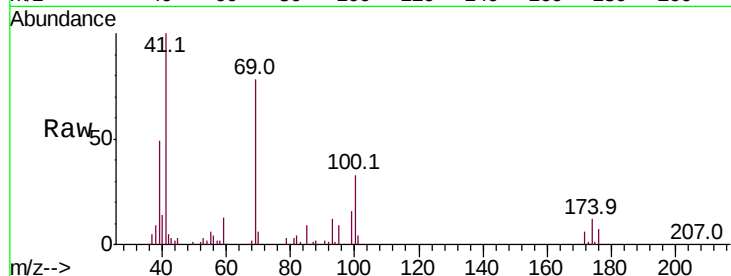




#48
Methvl methacrylate
Concen: 22.483 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW013433.D
Acq: 04 Oct 2019 12:43

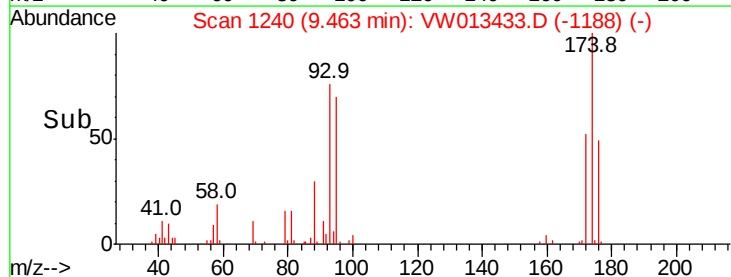
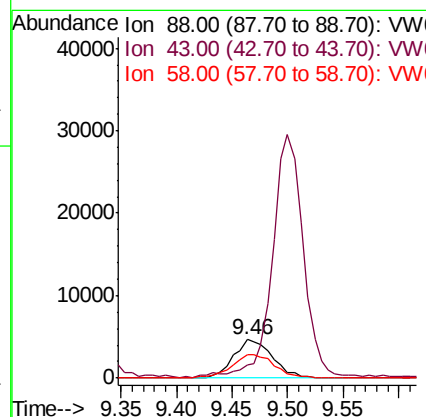
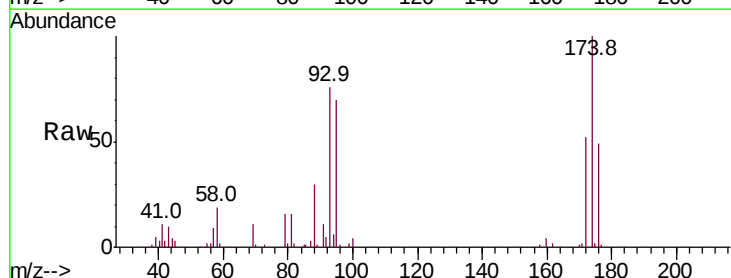
Instrument :
MSVOA_W
ClientSampled :

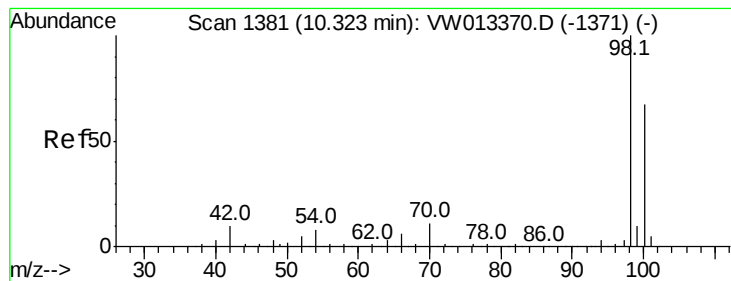
Tot Ion: 41 Resp: 34753
Ion Ratio Lower Upper
41 100
69 83.2 69.7 104.5
39 46.6 41.1 61.7



#49
1,4-Dioxane
Concen: 549.474 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.02 min
Lab File: VW013433.D
Acq: 04 Oct 2019 12:43

Tgt Ion: 88 Resp: 11300
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 67.8 65.4 98.0





#50

Toluene-d8

Concen: 52.561 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013433.D

Acq: 04 Oct 2019 12:43

Instrument :

MSVOA_W

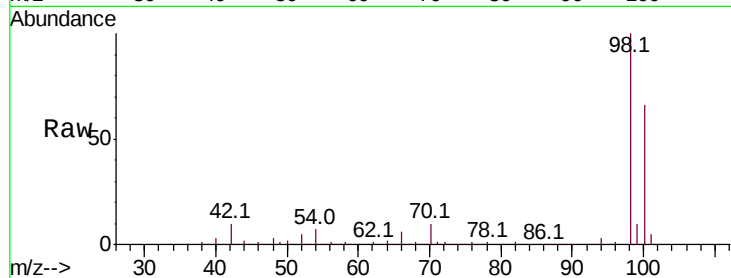
ClientSampled :

Tot Ion: 98 Resp: 477245

Ion Ratio Lower Upper

98 100

100 66.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

250000

200000

150000

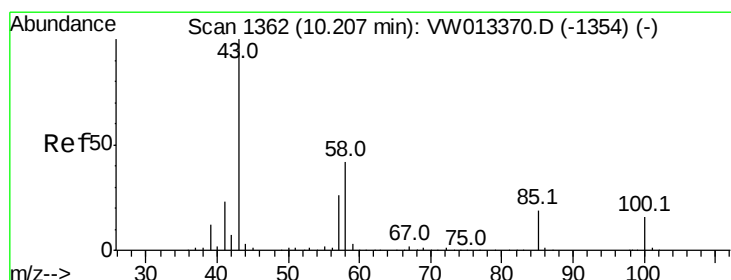
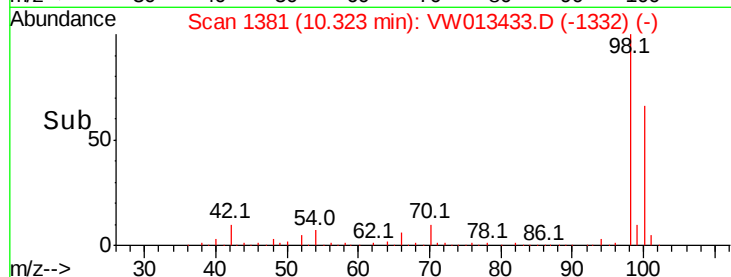
100000

50000

0

Time-->

10.20 10.30 10.40 10.50



#51

4-Methyl-2-Pentanone

Concen: 111.423 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013433.D

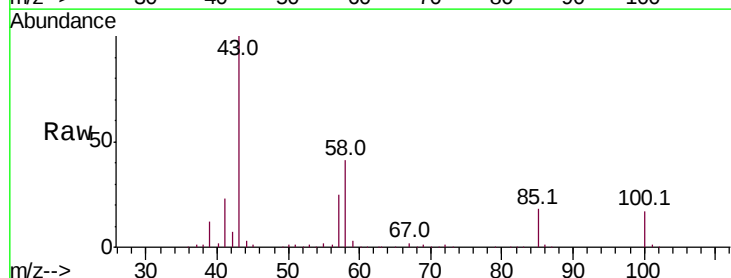
Acq: 04 Oct 2019 12:43

Tgt Ion: 43 Resp: 188331

Ion Ratio Lower Upper

43 100

58 40.5 31.7 47.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

120000

100000

80000

60000

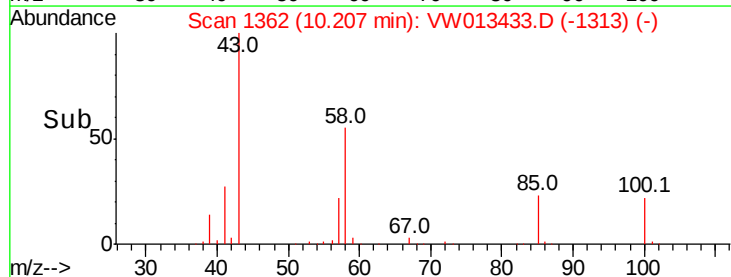
40000

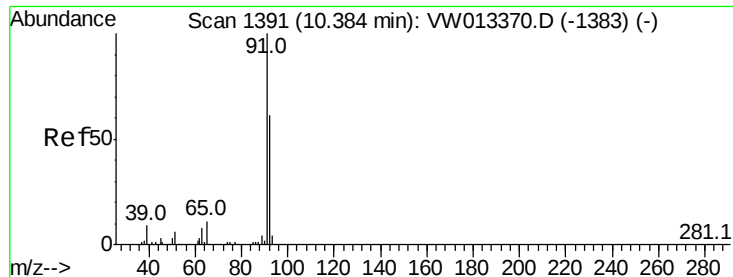
20000

0

Time-->

10.10 10.20 10.30





#52

Toluene

Concen: 20.167 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013433.D

Acq: 04 Oct 2019 12:43

Instrument :

MSVOA_W

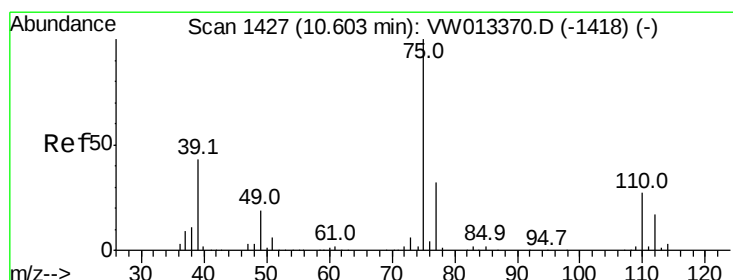
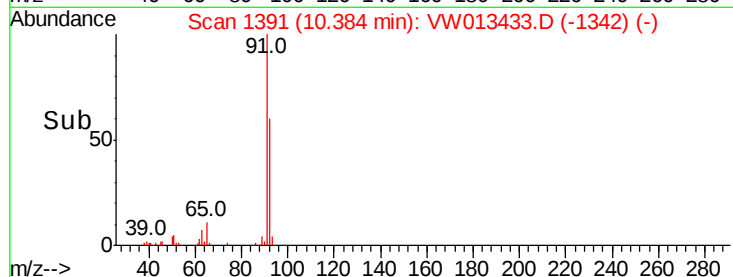
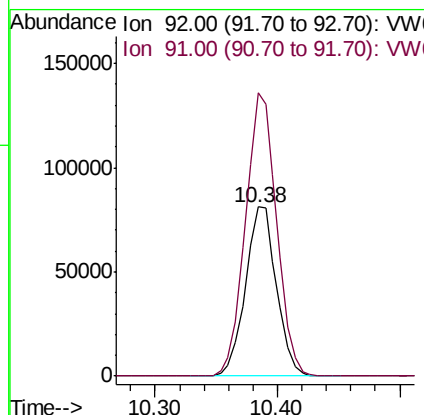
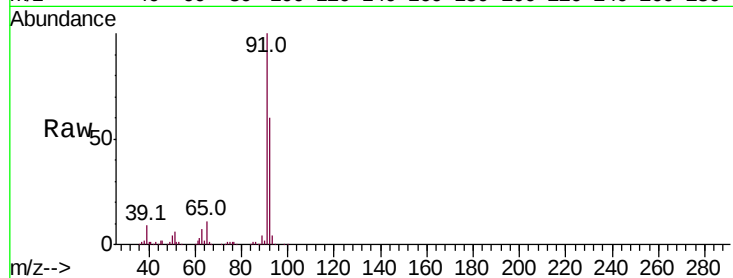
ClientSampled :

Tot Ion: 92 Resp: 142614

Ion Ratio Lower Upper

92 100

91 168.1 135.7 203.5



#53

t-1,3-Dichloropropene

Concen: 20.044 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013433.D

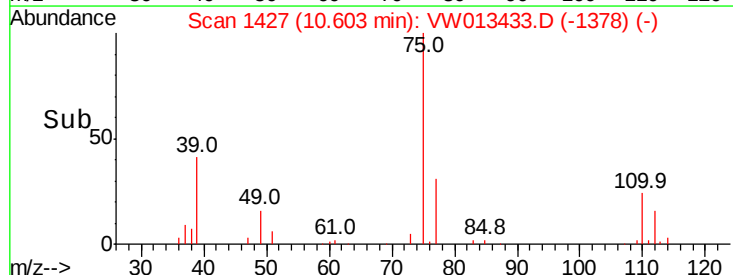
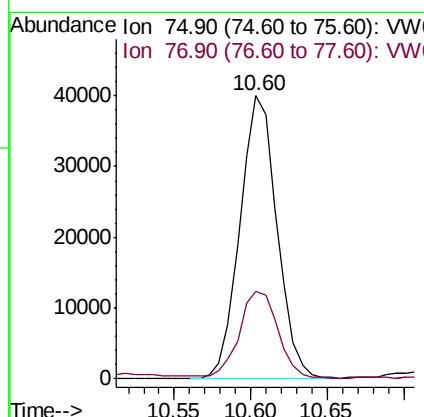
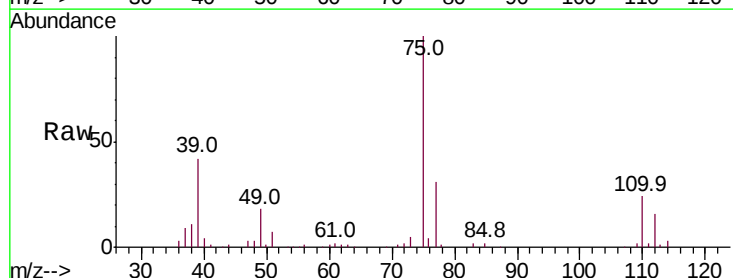
Acq: 04 Oct 2019 12:43

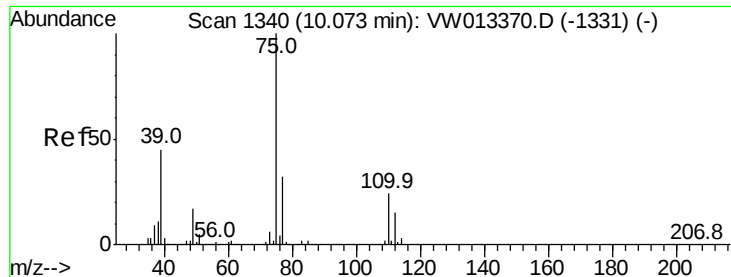
Tgt Ion: 75 Resp: 67293

Ion Ratio Lower Upper

75 100

77 30.5 25.5 38.3





#54

cis-1,3-Dichloropropene

Concen: 19.785 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013433.D

Acq: 04 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

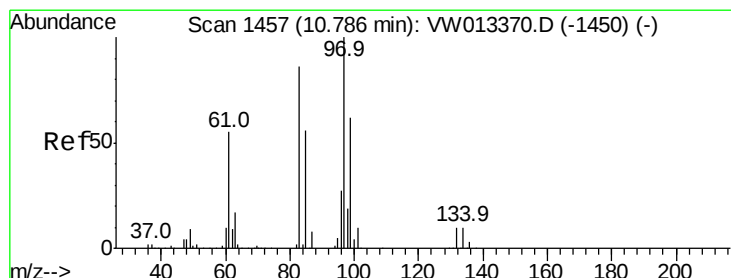
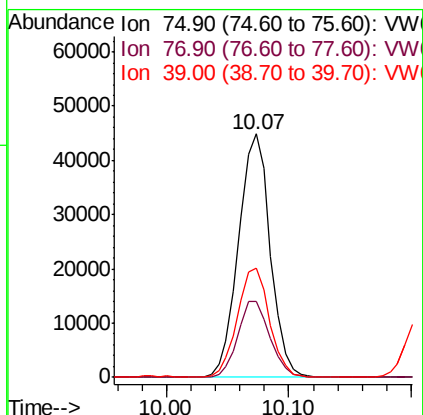
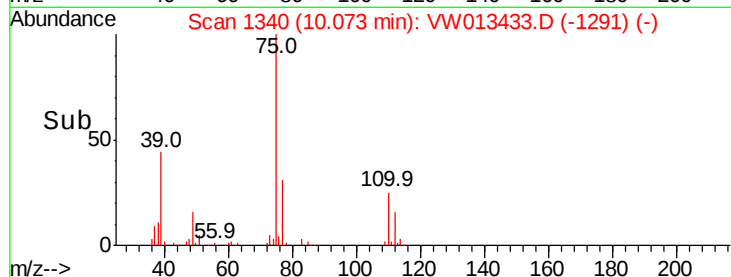
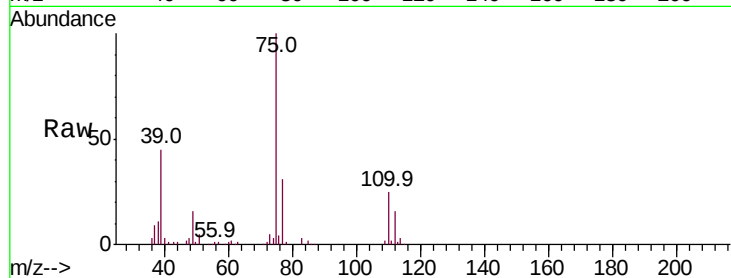
Tot Ion: 75 Resp: 80537

Ion Ratio Lower Upper

75 100

77 31.4 25.2 37.8

39 44.9 36.6 55.0



#55

1,1,2-Trichloroethane

Concen: 20.826 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW013433.D

Acq: 04 Oct 2019 12:43

Tgt Ion: 97 Resp: 40734

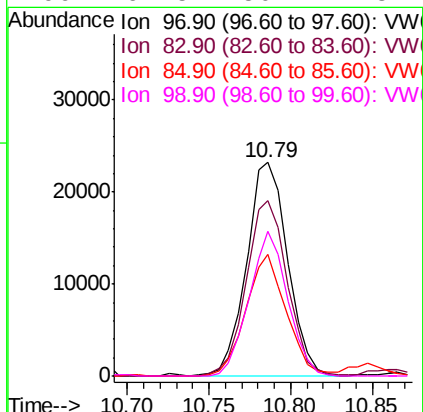
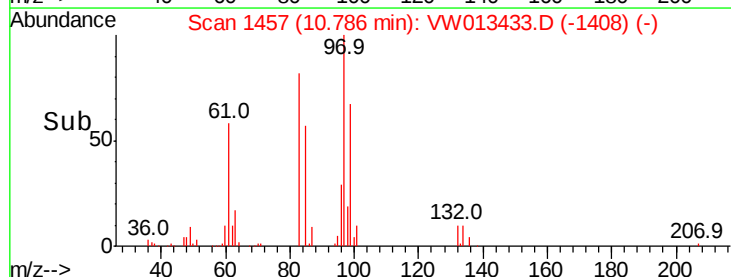
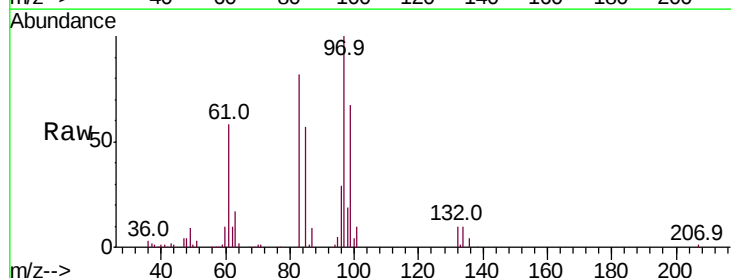
Ion Ratio Lower Upper

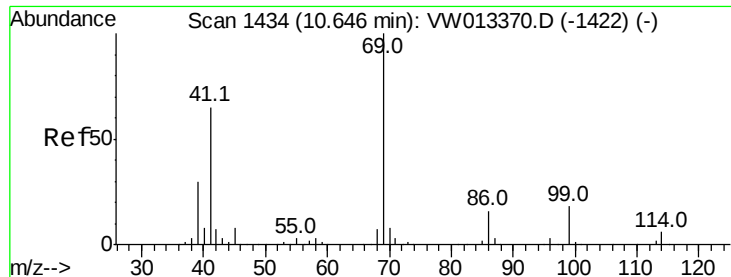
97 100

83 81.9 67.6 101.4

85 56.9 41.9 62.9

99 67.5 50.1 75.1





#56

Ethyl methacrylate

Concen: 20.733 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW013433.D

Acq: 04 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampled :

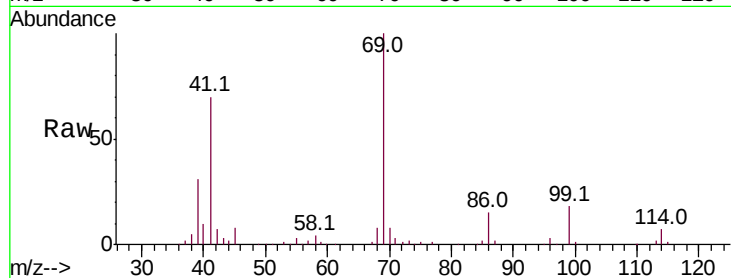
Tot Ion: 69 Resp: 54582

Ion Ratio Lower Upper

69 100

41 64.8 53.9 80.9

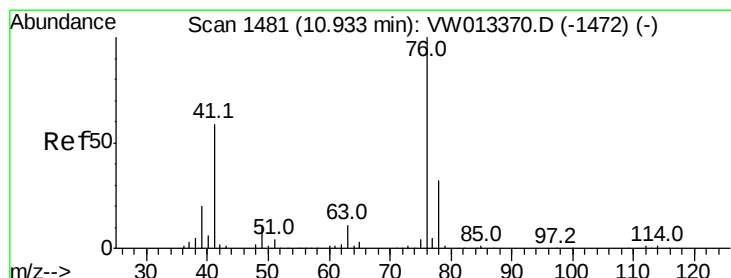
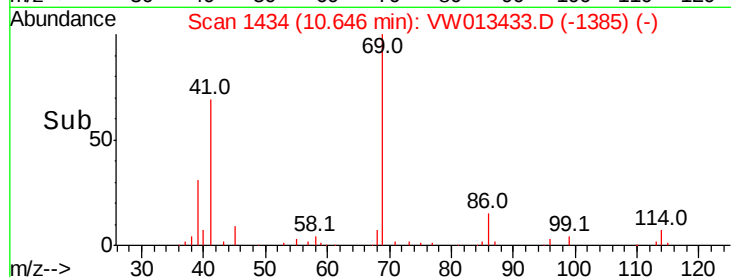
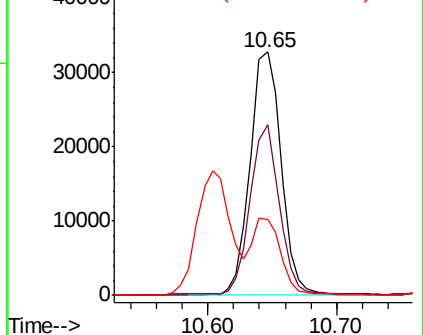
39 29.8 23.8 35.6



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



#57

1,3-Dichloropropane

Concen: 20.411 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW013433.D

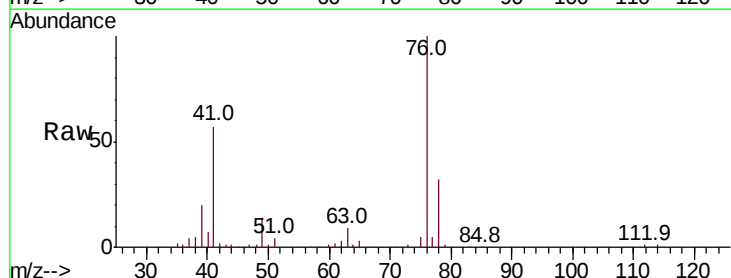
Acq: 04 Oct 2019 12:43

Tgt Ion: 76 Resp: 69403

Ion Ratio Lower Upper

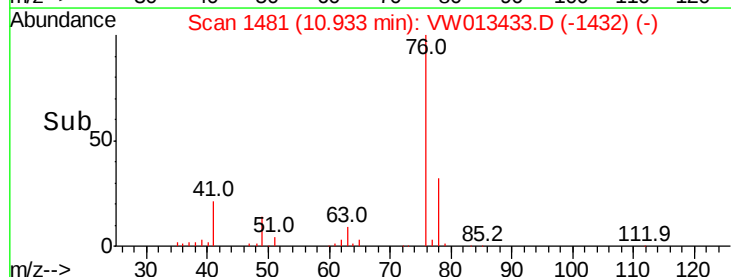
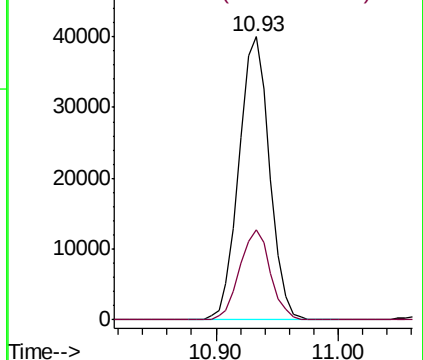
76 100

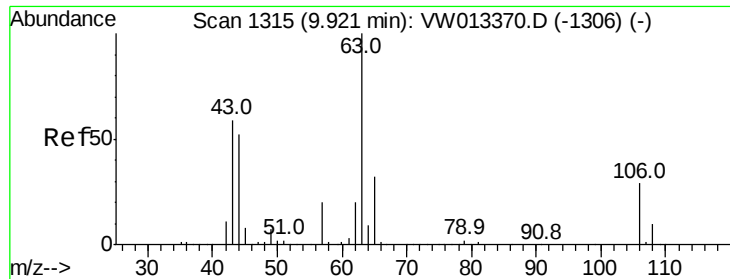
78 31.9 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW





#58

2-Chloroethyl Vinyl ether

Concen: 121.794 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW013433.D

Acq: 04 Oct 2019 12:43

Instrument :

MSVOA_W

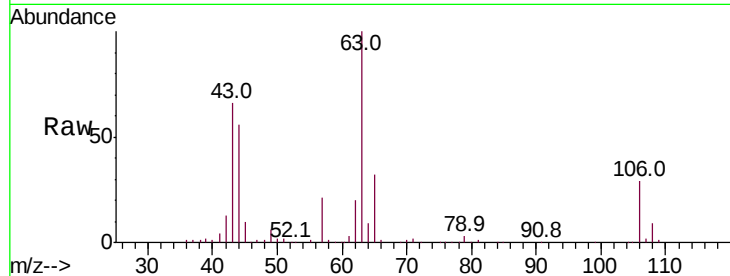
ClientSampleId :

Tot Ion: 63 Resp: 131712

Ion Ratio Lower Upper

63 100

106 30.4 23.4 35.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): VW

9.92

80000

60000

40000

20000

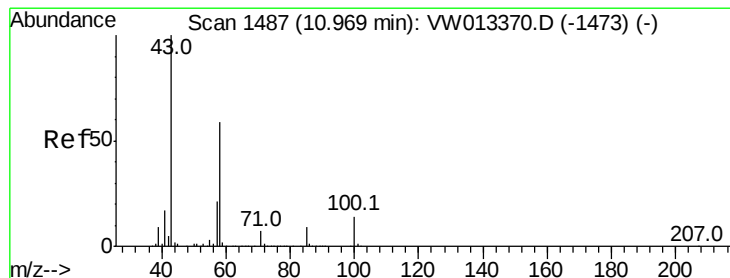
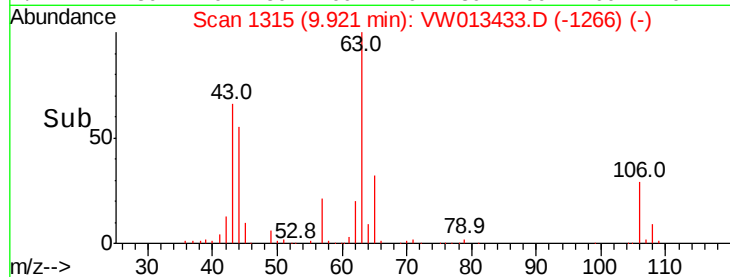
0

Time-->

9.80

9.90

10.00



#59

2-Hexanone

Concen: 112.585 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW013433.D

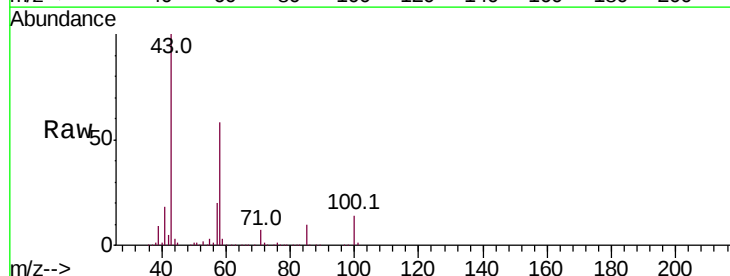
Acq: 04 Oct 2019 12:43

Tgt Ion: 43 Resp: 131899

Ion Ratio Lower Upper

43 100

58 55.2 28.1 84.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.97

80000

60000

40000

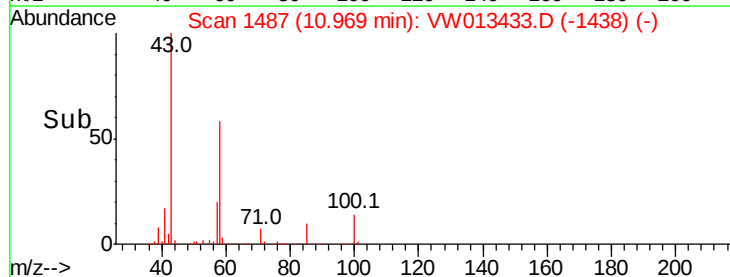
20000

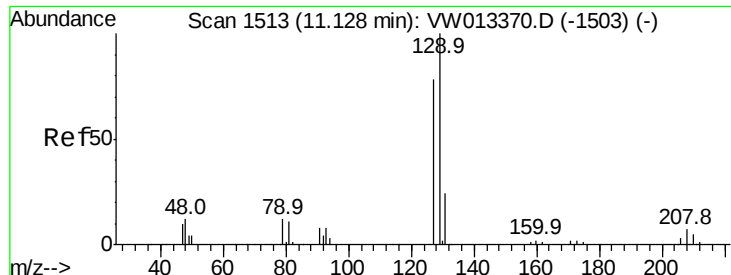
0

Time-->

10.90

11.00

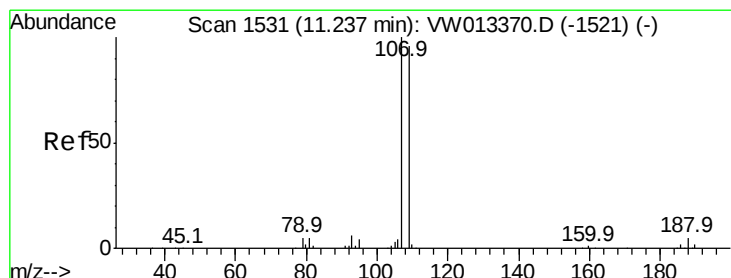
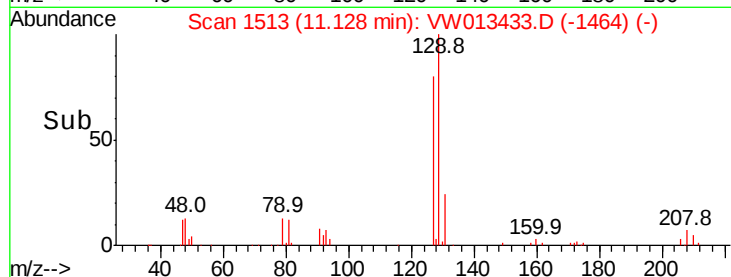
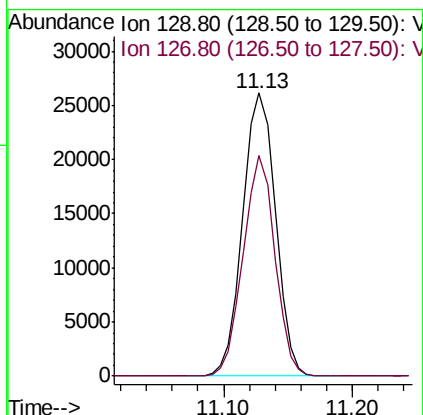
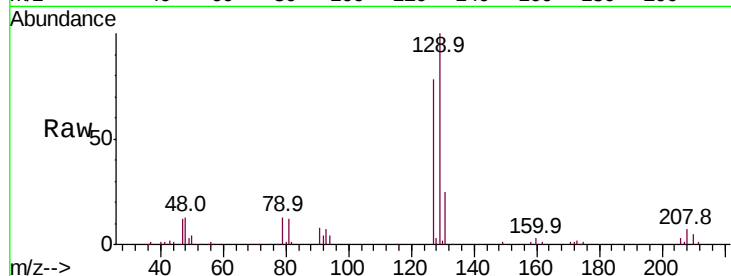




#60
Dibromochloromethane
Concen: 20.666 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013433.D
Acq: 04 Oct 2019 12:43

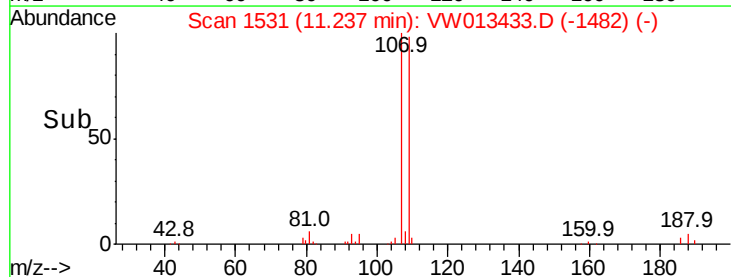
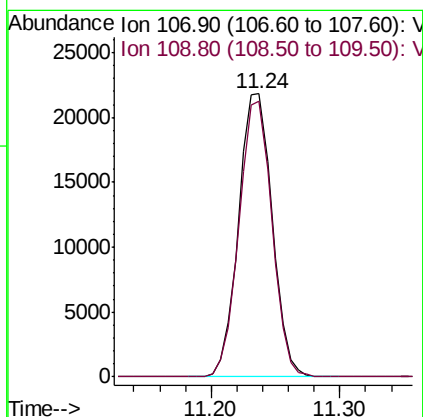
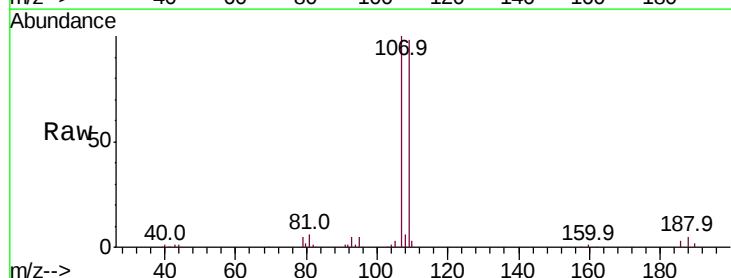
Instrument :
MSVOA_W
ClientSampleId :

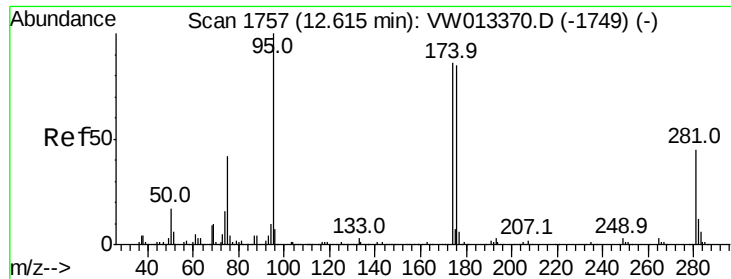
Tot Ion:129 Resp: 46243
Ion Ratio Lower Upper
129 100
127 75.1 38.8 116.4



#61
1,2-Dibromoethane
Concen: 20.835 ug/l
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW013433.D
Acq: 04 Oct 2019 12:43

Tgt Ion:107 Resp: 39379
Ion Ratio Lower Upper
107 100
109 95.4 75.2 112.8

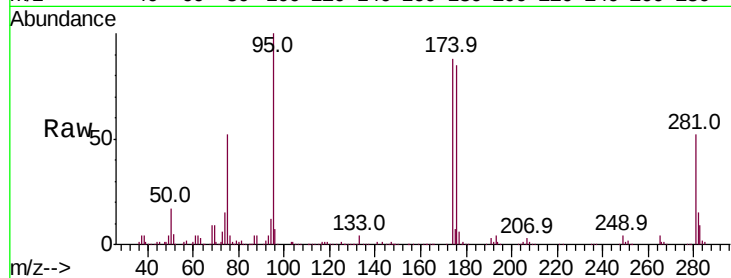




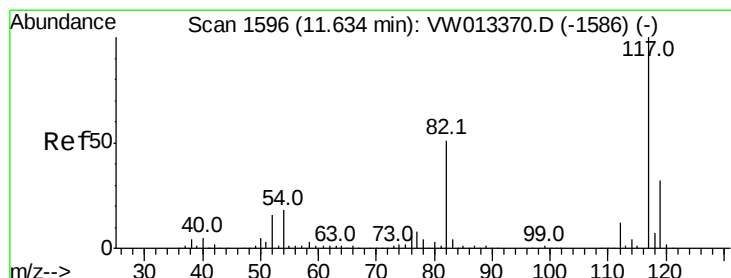
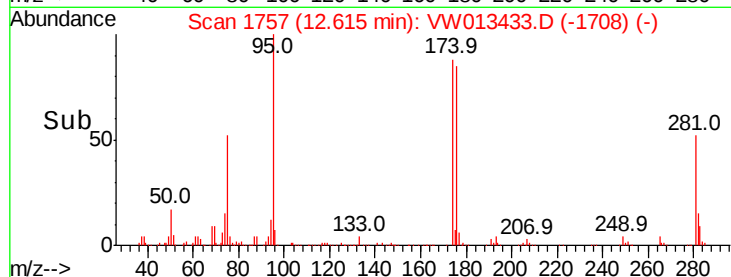
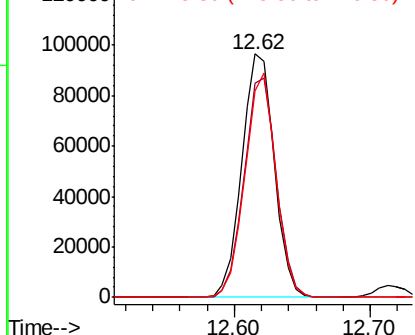
#62
4-Bromofluorobenzene
Concen: 53.003 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW013433.D
Acq: 04 Oct 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 95 Resp: 160710
Ion Ratio Lower Upper
95 100
174 90.1 0.0 178.4
176 88.2 0.0 172.2

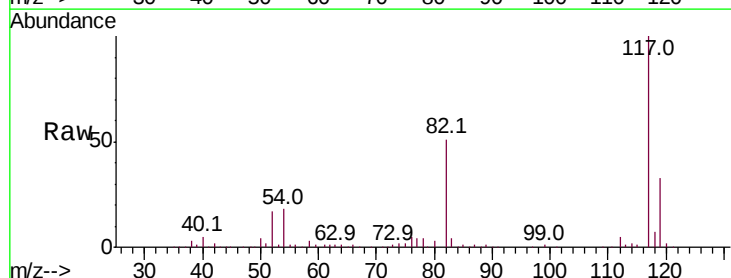


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

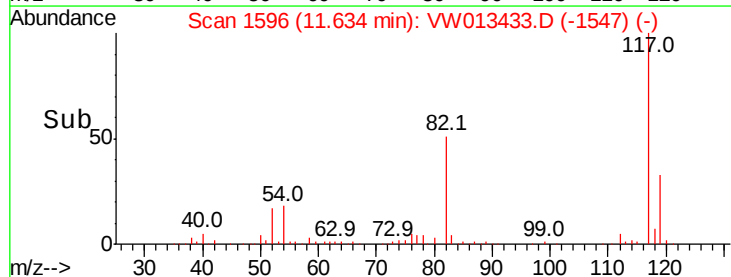
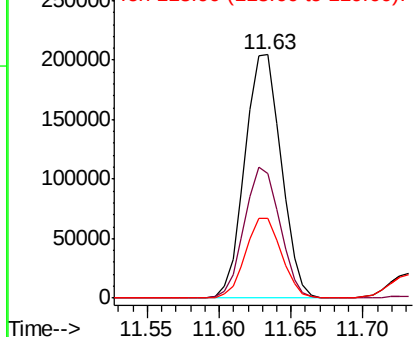


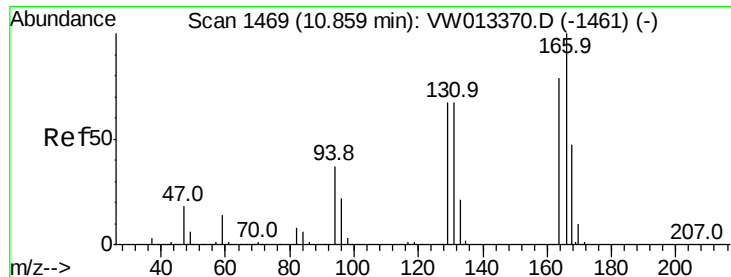
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW013433.D
Acq: 04 Oct 2019 12:43

Tgt Ion: 117 Resp: 357222
Ion Ratio Lower Upper
117 100
82 51.0 45.9 68.9
119 32.9 26.2 39.2



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

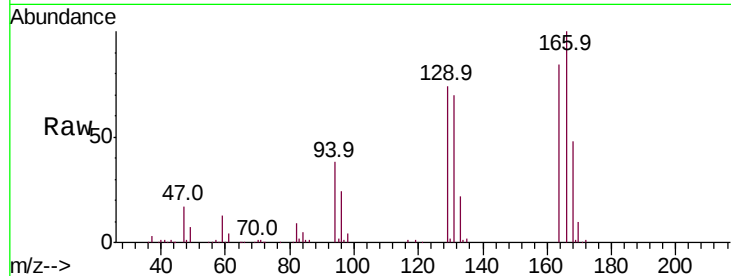




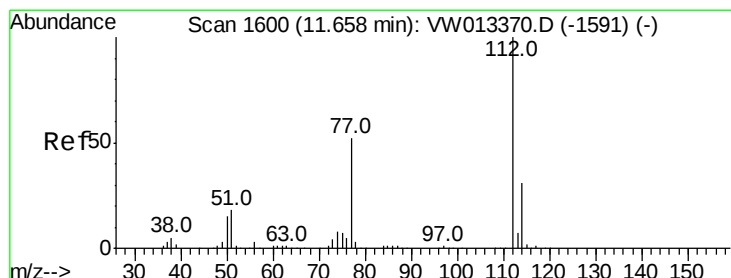
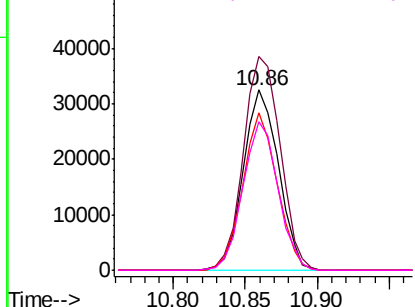
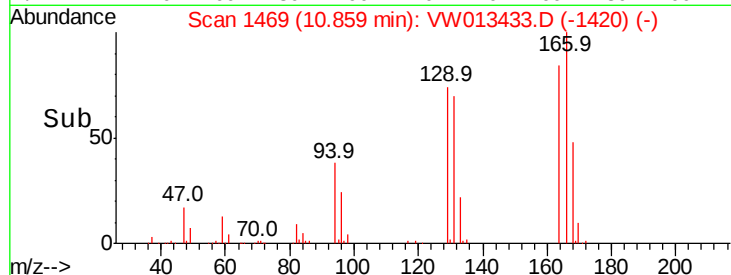
#64
Tetrachloroethene
Concen: 20.150 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013433.D
Acq: 04 Oct 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:164 Resp: 54761
Ion Ratio Lower Upper
164 100
166 118.7 101.2 151.8
129 87.5 68.8 103.2
131 82.8 65.2 97.8

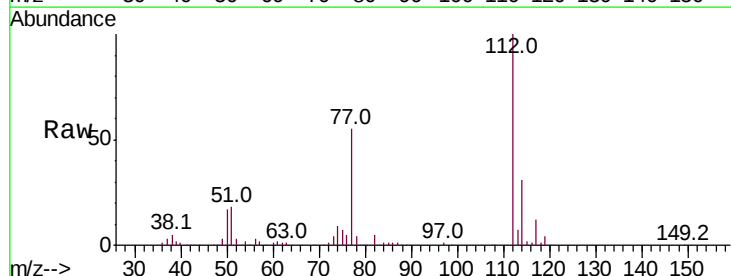


Abundance Ion 163.80 (163.50 to 164.50): V
60000 Ion 165.80 (165.50 to 166.50): V
50000 Ion 128.80 (128.50 to 129.50): V
40000 Ion 130.80 (130.50 to 131.50): V

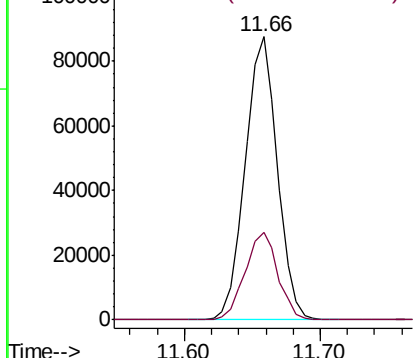
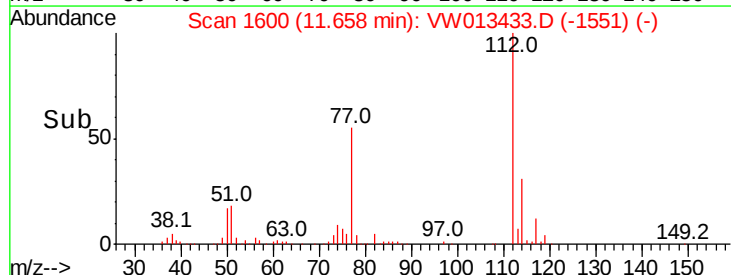


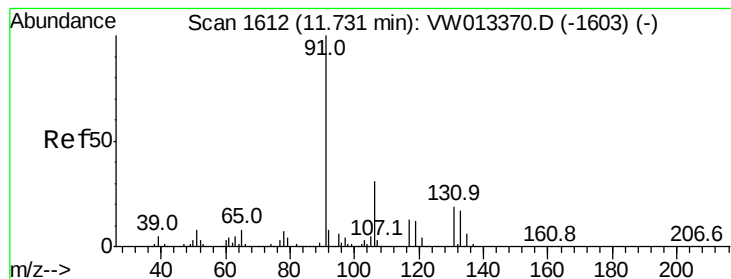
#65
Chlorobenzene
Concen: 19.769 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013433.D
Acq: 04 Oct 2019 12:43

Tgt Ion:112 Resp: 144681
Ion Ratio Lower Upper
112 100
114 30.9 26.5 39.7



Abundance Ion 111.90 (111.60 to 112.60): V
100000 Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 20.094 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW013433.D

Acq: 04 Oct 2019 12:43

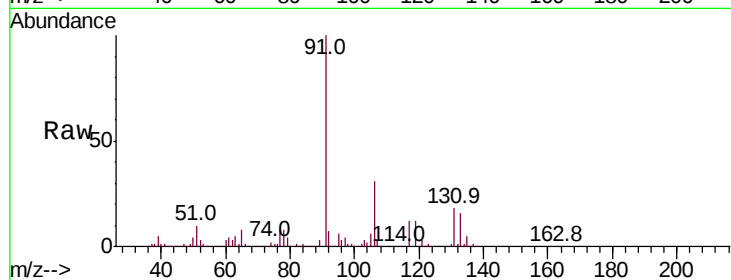
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:131 Resp: 50087

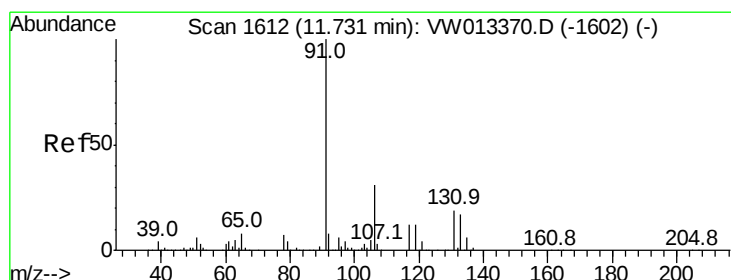
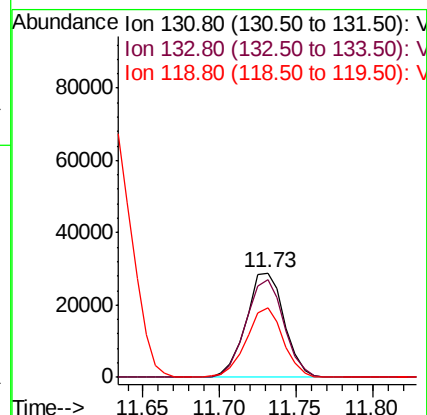
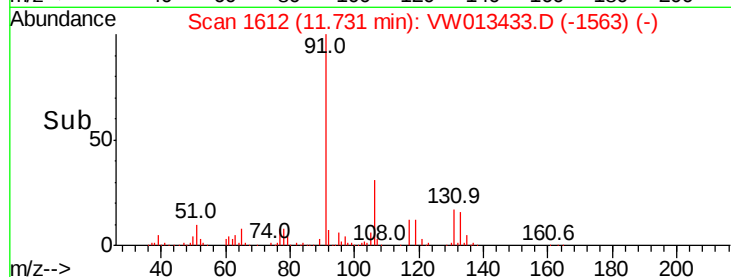
Ion	Ratio	Lower	Upper
131	100		
133	93.6	47.5	142.6
119	65.0	32.5	97.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 19.910 ug/l

RT: 11.73 min Scan# 1612

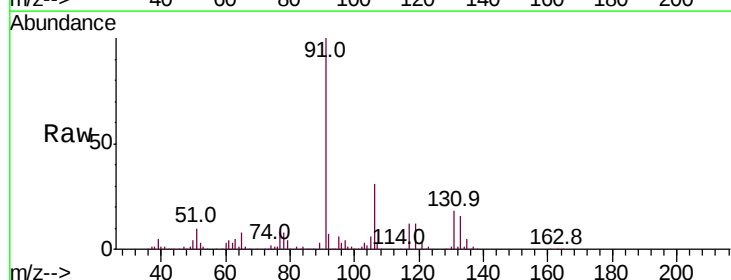
Delta R.T. 0.00 min

Lab File: VW013433.D

Acq: 04 Oct 2019 12:43

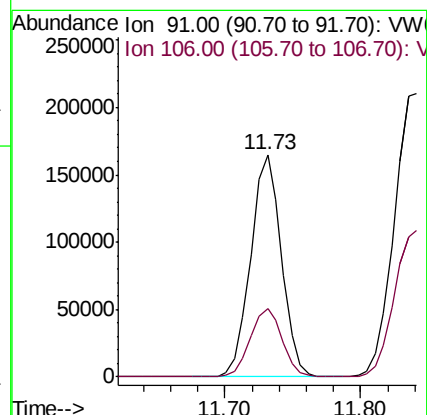
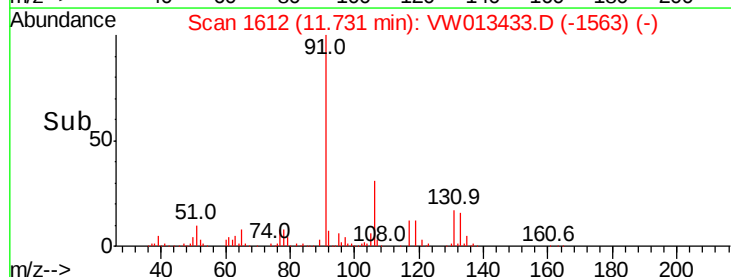
Tgt Ion: 91 Resp: 261146

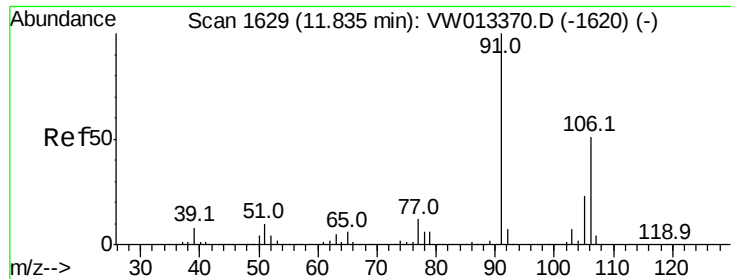
Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.9	37.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

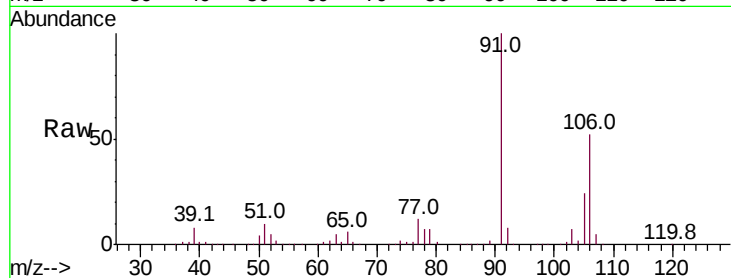




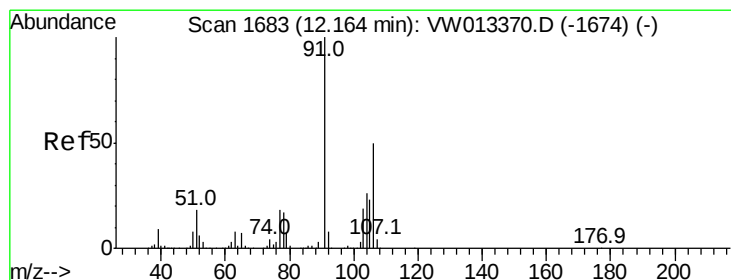
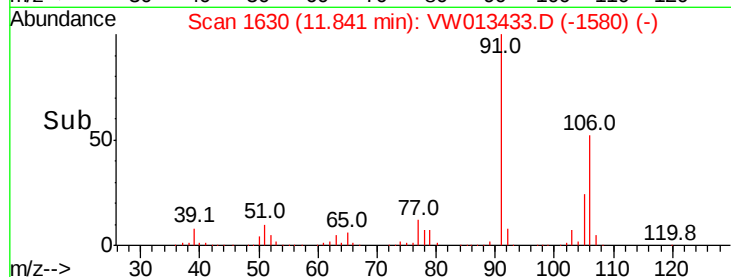
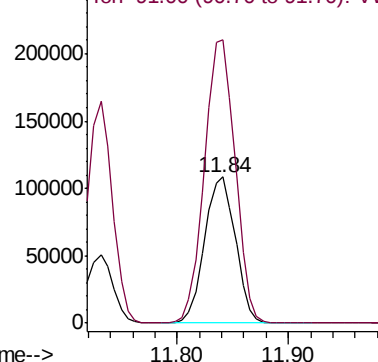
#68
m/p-Xylenes
Concen: 41.013 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW013433.D
Acq: 04 Oct 2019 12:43

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 207639
Ion Ratio Lower Upper
106 100
91 193.3 157.9 236.9

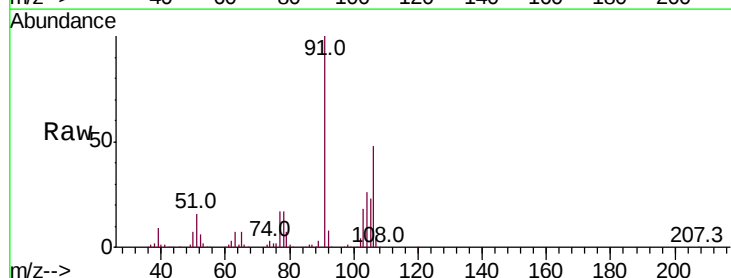


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

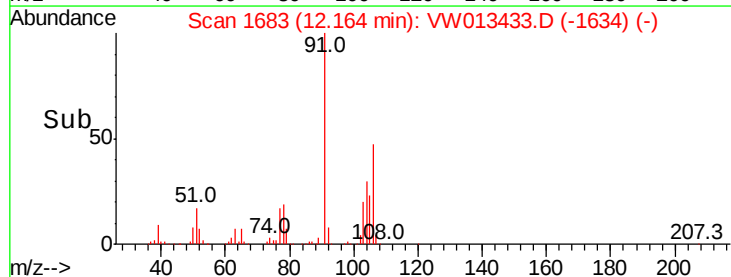
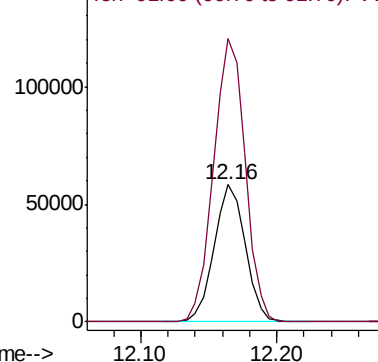


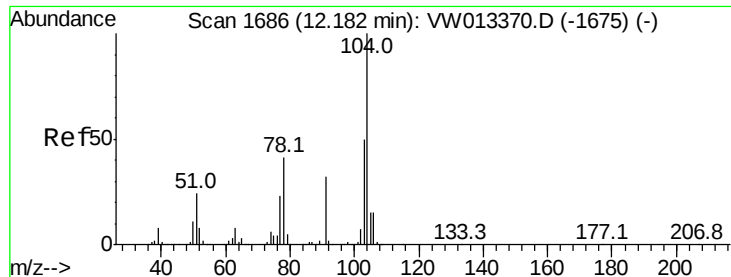
#69
o-Xylene
Concen: 19.994 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013433.D
Acq: 04 Oct 2019 12:43

Tgt Ion:106 Resp: 93592
Ion Ratio Lower Upper
106 100
91 209.7 106.5 319.5



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

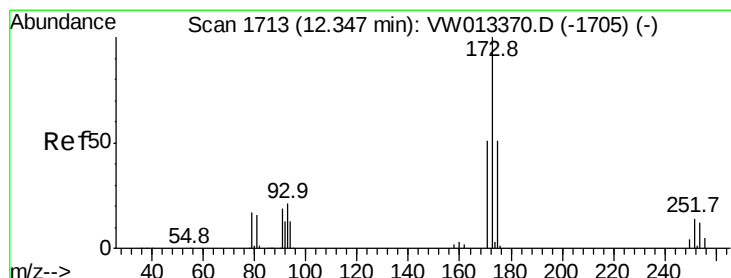
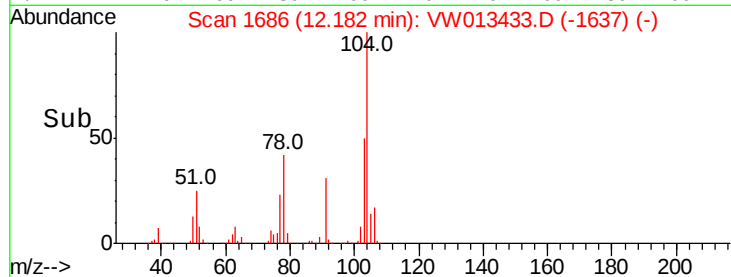
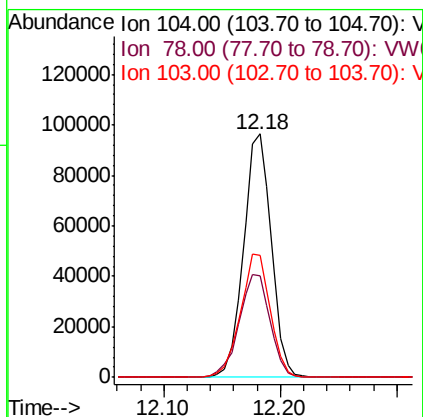
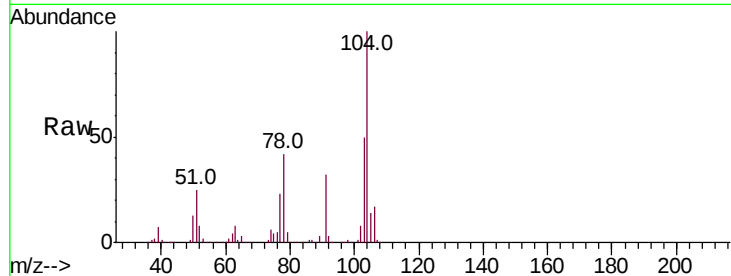




#70
Stvrene
Concen: 20.033 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013433.D
Acq: 04 Oct 2019 12:43

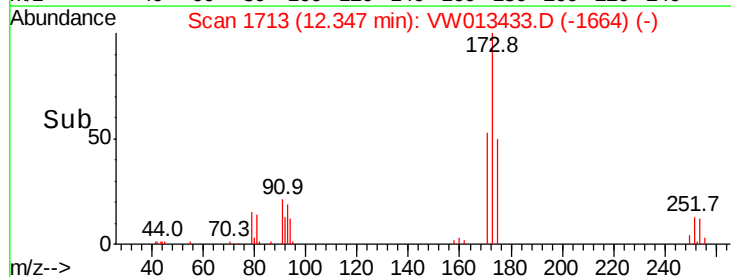
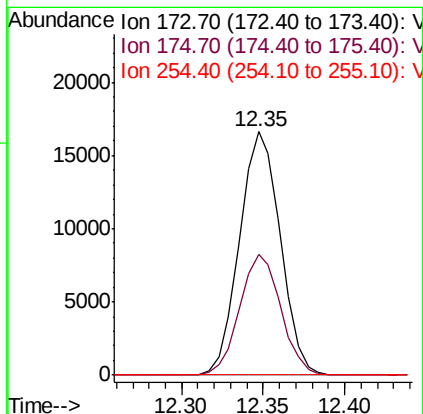
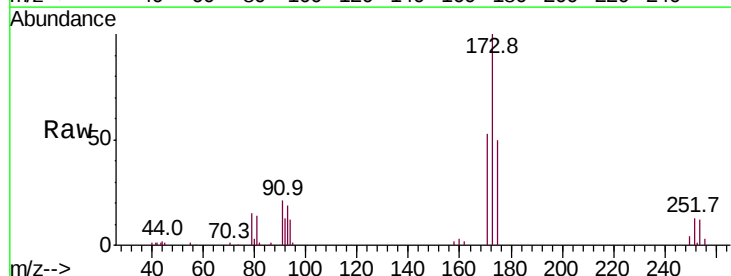
Instrument :
MSVOA_W
ClientSampleId :

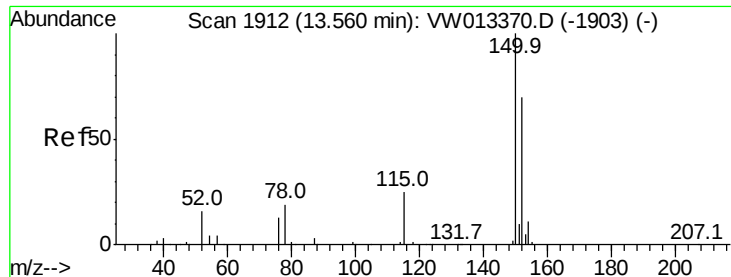
Tot Ion:104 Resp: 160300
Ion Ratio Lower Upper
104 100
78 47.0 38.4 57.6
103 54.4 43.3 64.9



#71
Bromoform
Concen: 21.349 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW013433.D
Acq: 04 Oct 2019 12:43

Tgt Ion:173 Resp: 28851
Ion Ratio Lower Upper
173 100
175 49.8 24.3 73.0
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW013433.D

Acq: 04 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

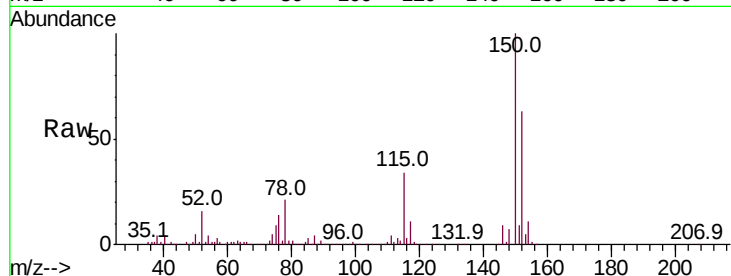
Tot Ion:152 Resp: 182950

Ion Ratio Lower Upper

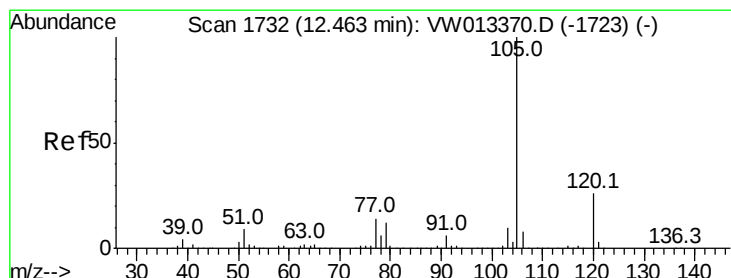
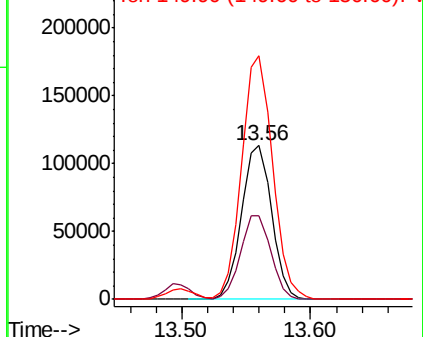
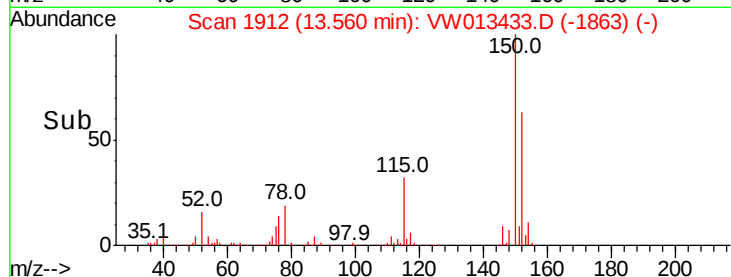
152 100

115 54.7 27.3 81.9

150 162.9 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: 19.599 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013433.D

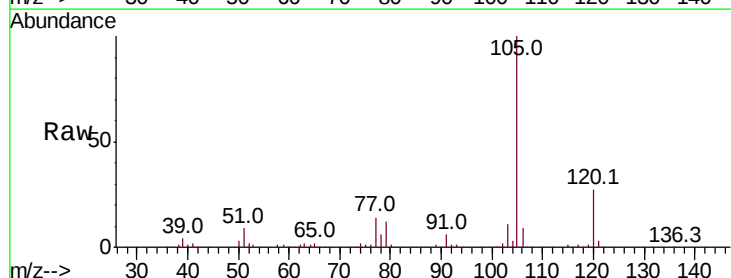
Acq: 04 Oct 2019 12:43

Tgt Ion:105 Resp: 262285

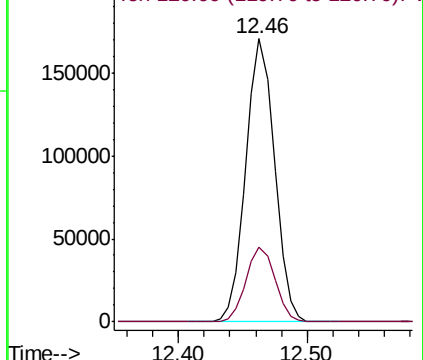
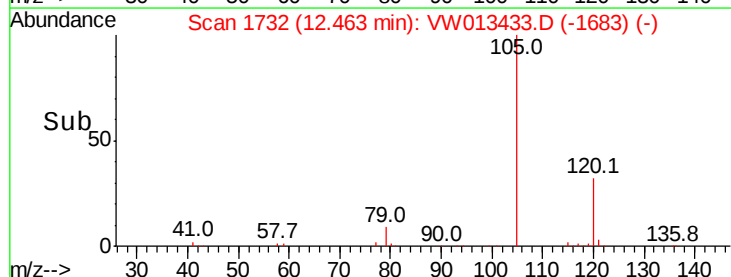
Ion Ratio Lower Upper

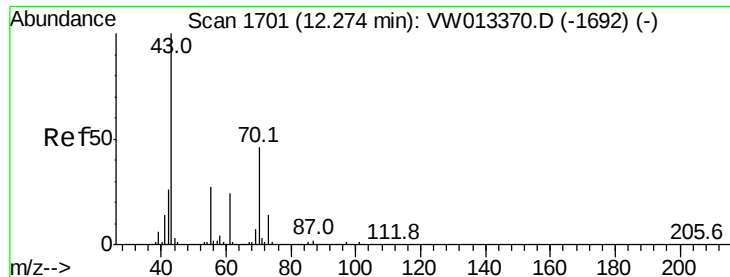
105 100

120 26.6 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-amvl acetate

Concen: 21.676 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013433.D

Acq: 04 Oct 2019 12:43

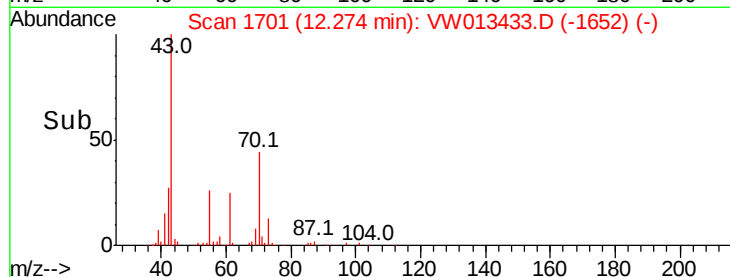
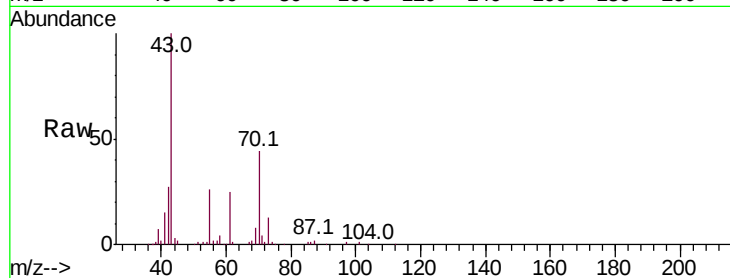
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 61735

Ion	Ratio	Lower	Upper
43	100		
70	43.9	35.1	52.7
55	24.9	19.9	29.9
61	25.5	19.5	29.3

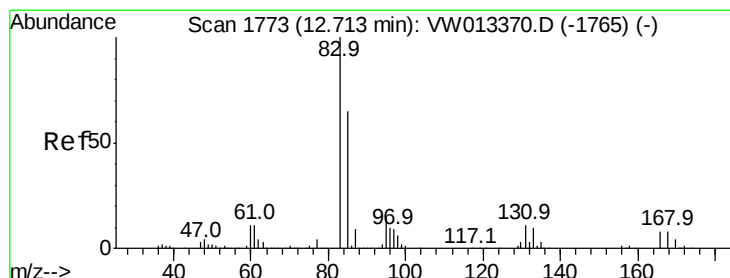


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 21.104 ug/l

RT: 12.71 min Scan# 1773

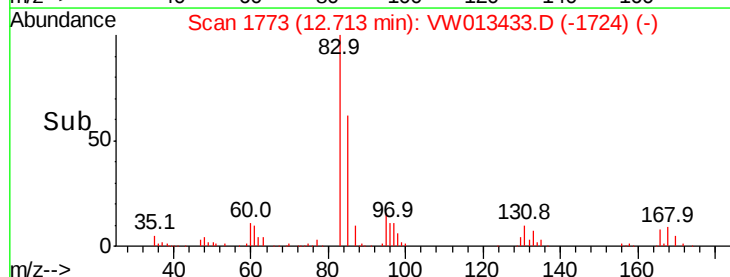
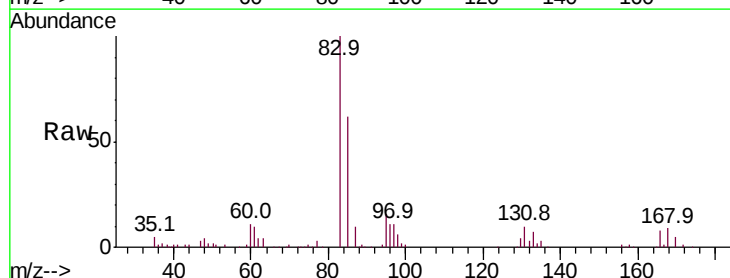
Delta R.T. 0.00 min

Lab File: VW013433.D

Acq: 04 Oct 2019 12:43

Tgt Ion: 83 Resp: 47802

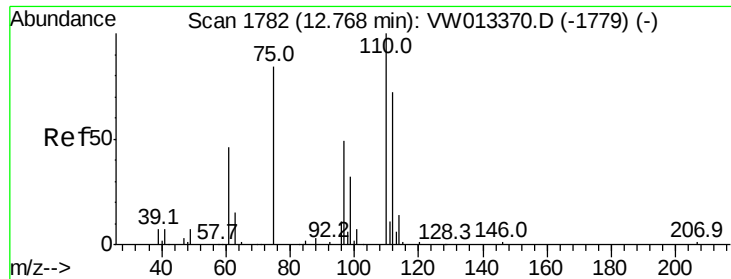
Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.4	16.2
85	64.6	31.9	95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

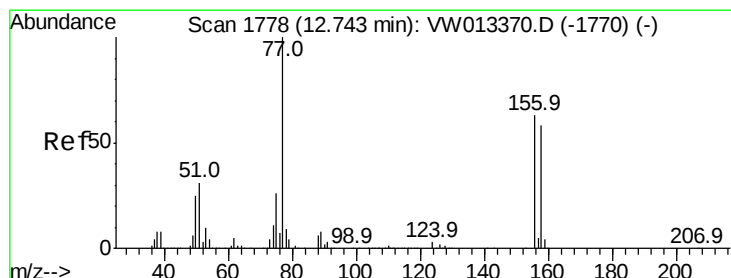
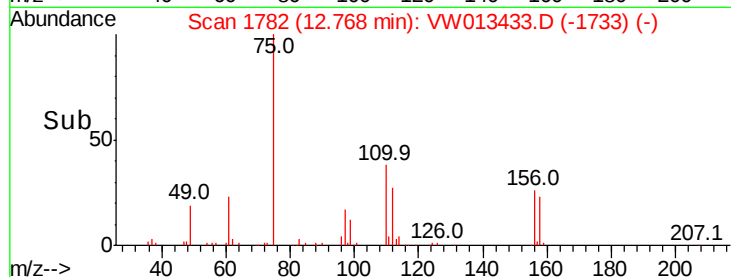
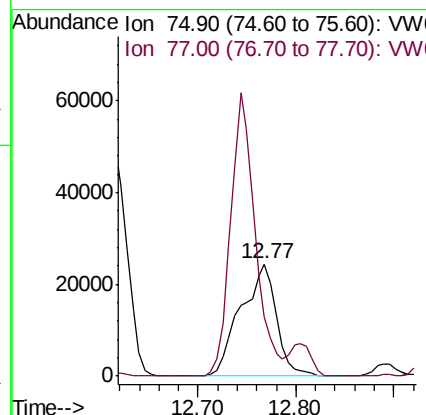
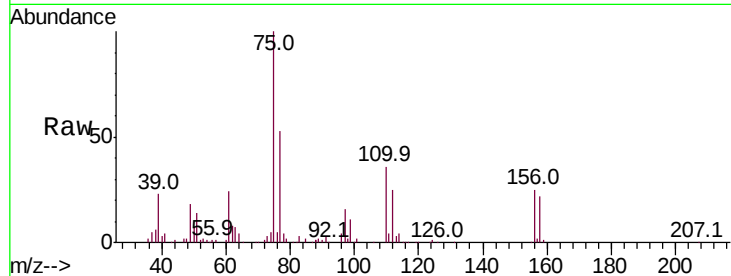
Ion 84.90 (84.60 to 85.60): VW



#76
 1,2,3-Trichloropropane
 Concen: 37.948 ug/l
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW013433.D
 Acq: 04 Oct 2019 12:43

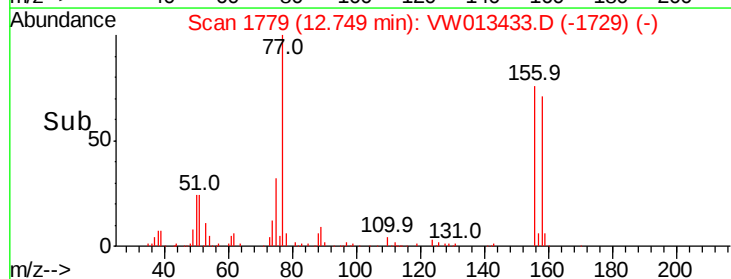
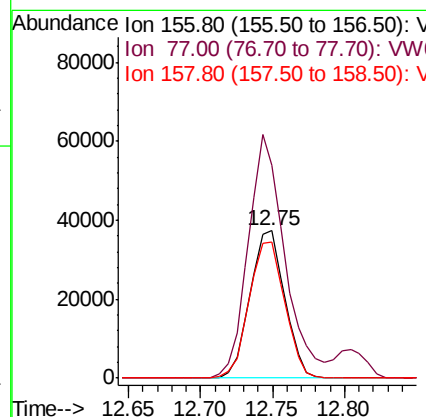
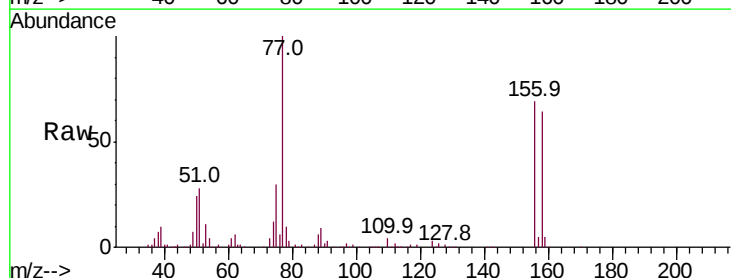
Instrument :
 MSVOA_W
 ClientSampled :

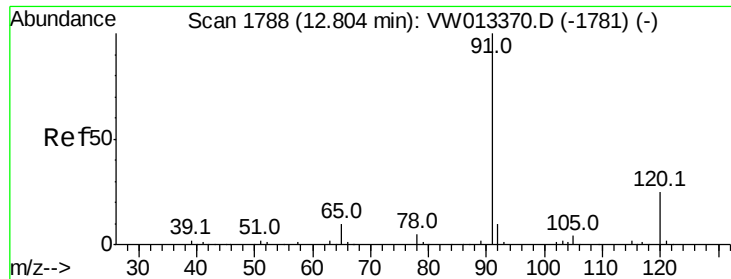
Tot Ion: 75 Resp: 61704
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#77
 Bromobenzene
 Concen: 19.260 ug/l
 RT: 12.75 min Scan# 1779
 Delta R.T. 0.01 min
 Lab File: VW013433.D
 Acq: 04 Oct 2019 12:43

Tgt Ion: 156 Resp: 61890
 Ion Ratio Lower Upper
 156 100
 77 174.6 85.7 257.1
 158 95.7 48.1 144.4





#78

n-propylbenzene

Concen: 19.928 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013433.D

Acq: 04 Oct 2019 12:43

Instrument :

MSVOA_W

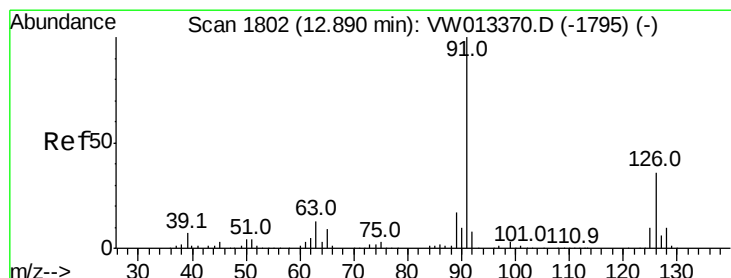
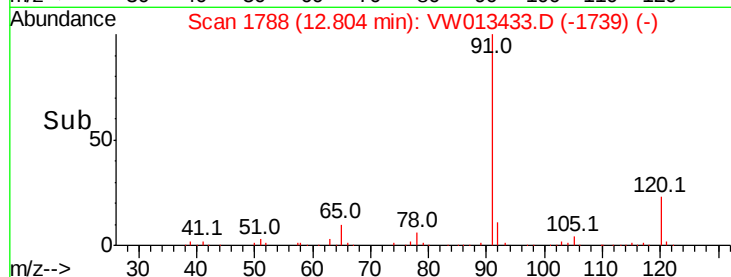
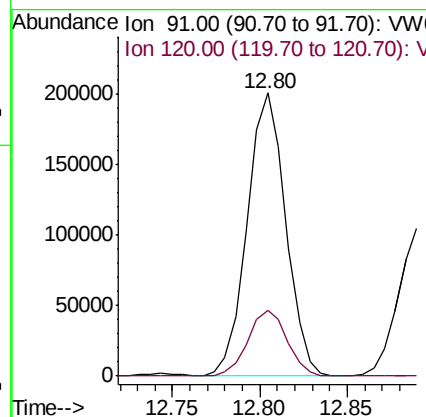
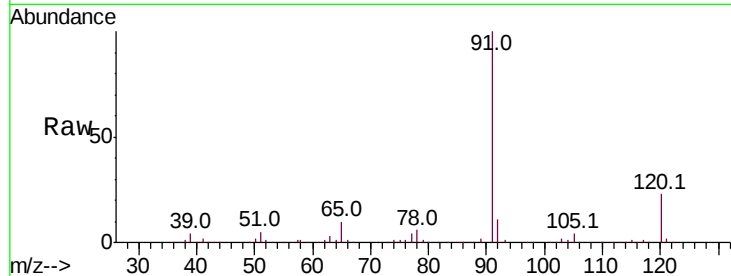
ClientSampled :

Tot Ion: 91 Resp: 306763

Ion Ratio Lower Upper

91 100

120 23.8 11.7 35.1



#79

2-Chlorotoluene

Concen: 19.818 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013433.D

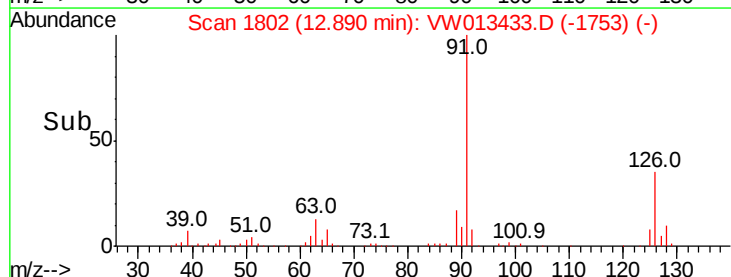
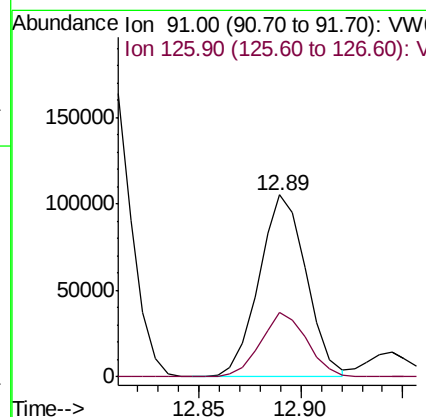
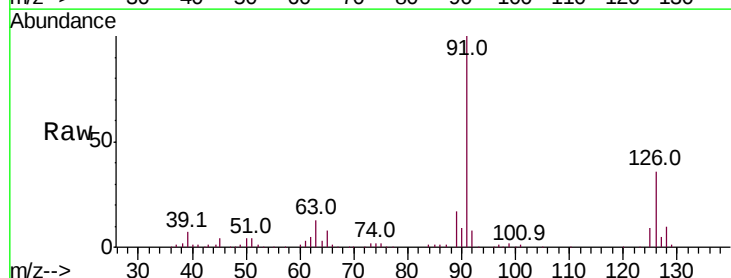
Acq: 04 Oct 2019 12:43

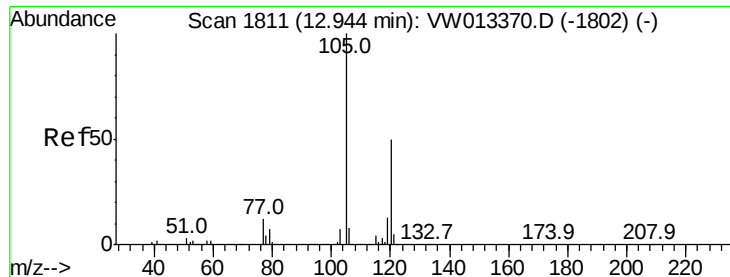
Tgt Ion: 91 Resp: 169443

Ion Ratio Lower Upper

91 100

126 34.8 17.2 51.5

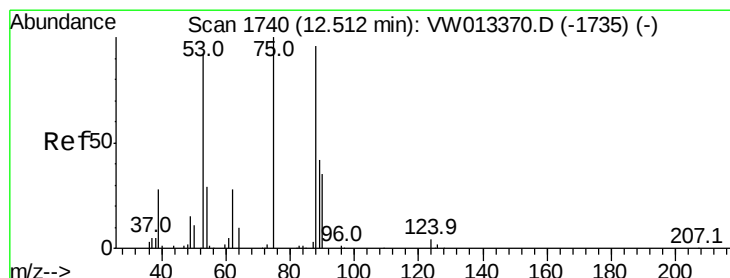
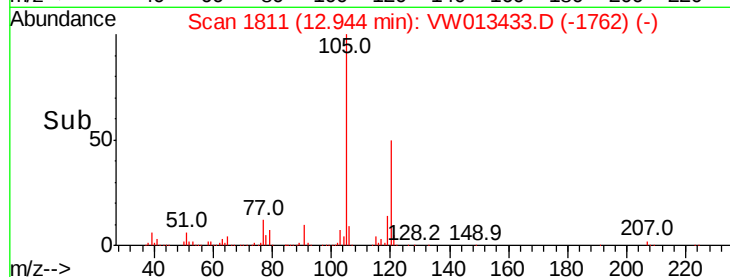
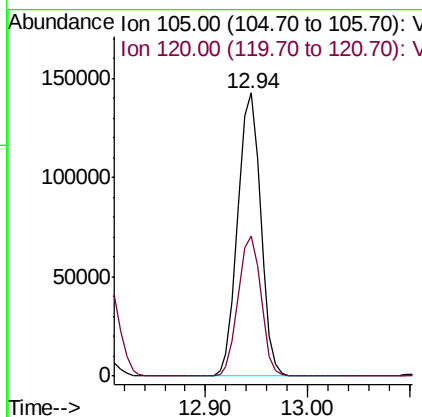
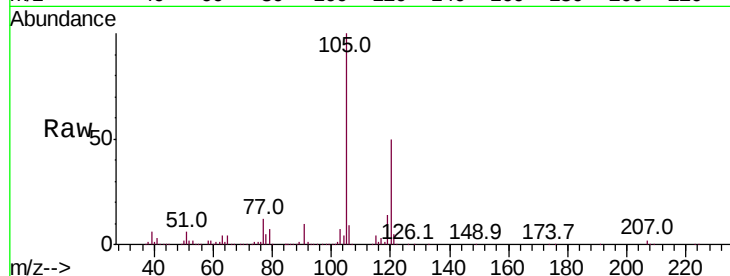




#80
 1,3,5-Trimethylbenzene
 Concen: 19.938 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW013433.D
 Acq: 04 Oct 2019 12:43

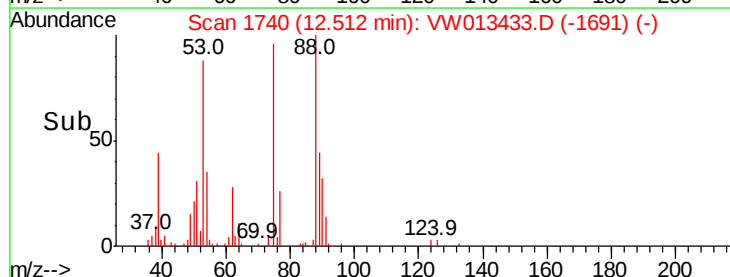
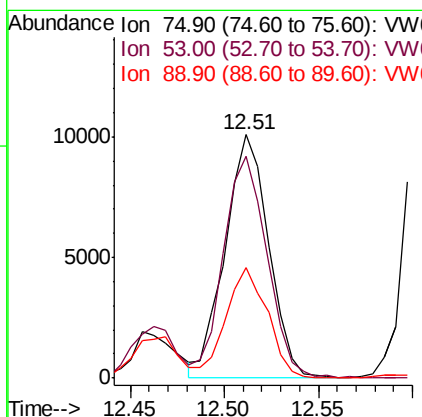
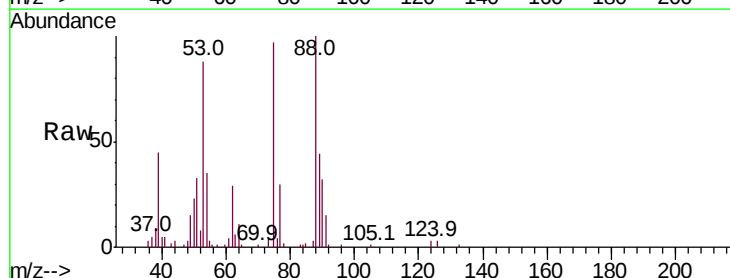
Instrument :
 MSVOA_W
 ClientSampleId :

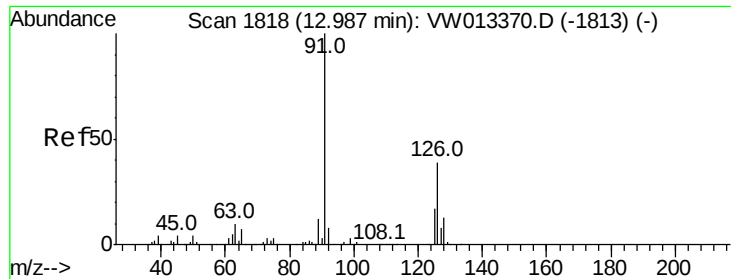
Tot Ion:105 Resp: 221645
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.9 74.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 23.557 ug/l
 RT: 12.51 min Scan# 1740
 Delta R.T. 0.00 min
 Lab File: VW013433.D
 Acq: 04 Oct 2019 12:43

Tgt Ion: 75 Resp: 16158
 Ion Ratio Lower Upper
 75 100
 53 91.9 76.6 114.8
 89 42.5 33.5 50.3

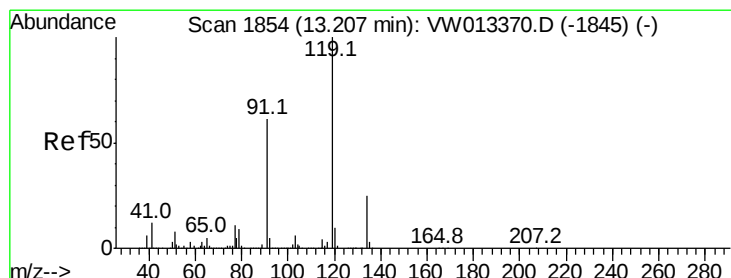
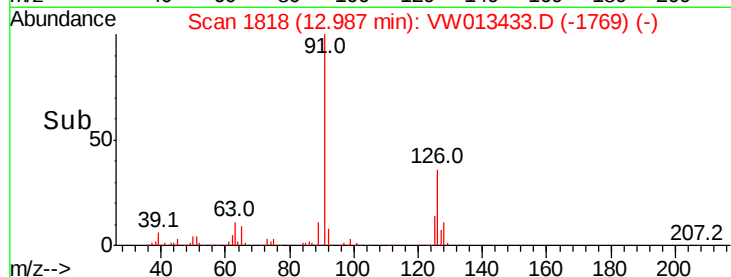
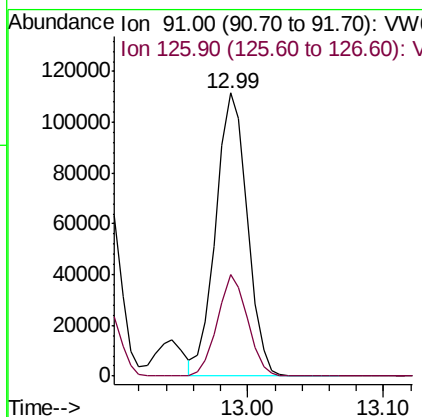
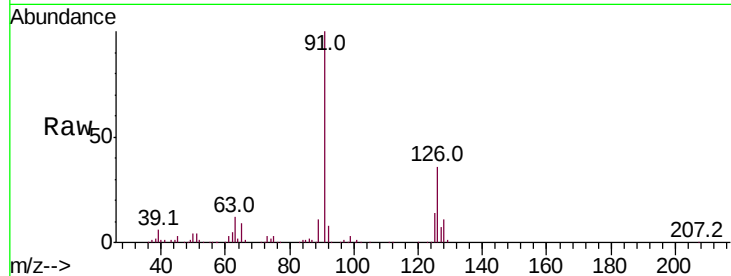




#82
4-Chlorotoluene
Concen: 20.013 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW013433.D
Acq: 04 Oct 2019 12:43

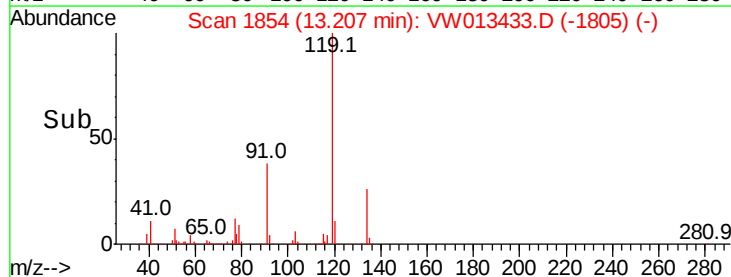
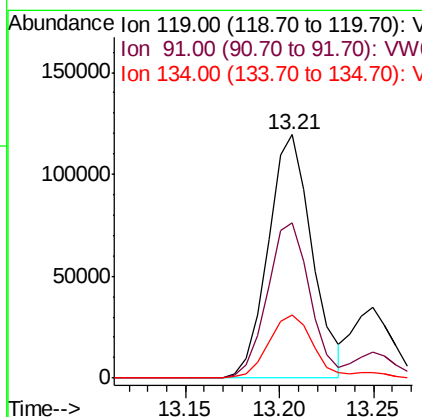
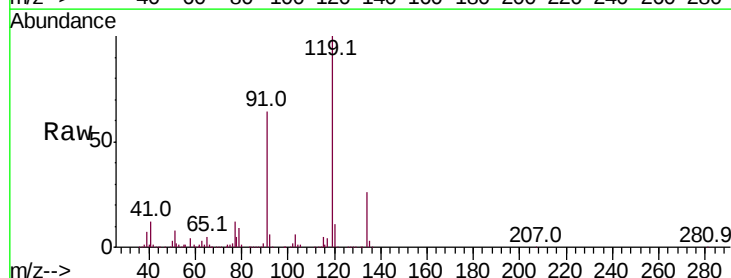
Instrument :
MSVOA_W
ClientSampleId :

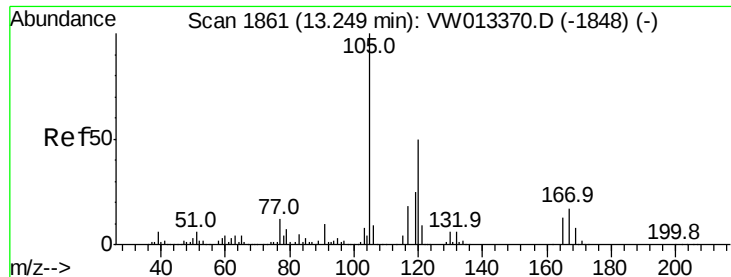
Tot Ion: 91 Resp: 179242
Ion Ratio Lower Upper
91 100
126 34.4 17.3 51.7



#83
tert-Butylbenzene
Concen: 19.853 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW013433.D
Acq: 04 Oct 2019 12:43

Tgt Ion: 119 Resp: 192768
Ion Ratio Lower Upper
119 100
91 61.9 30.7 92.1
134 26.2 12.6 37.6

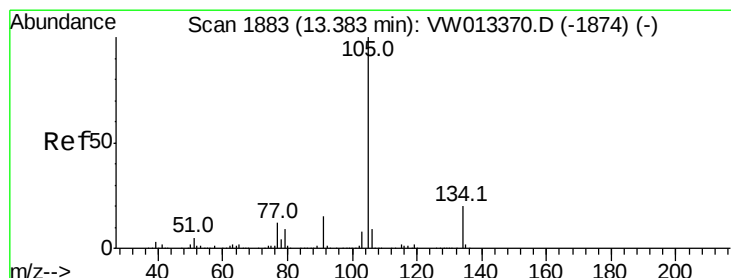
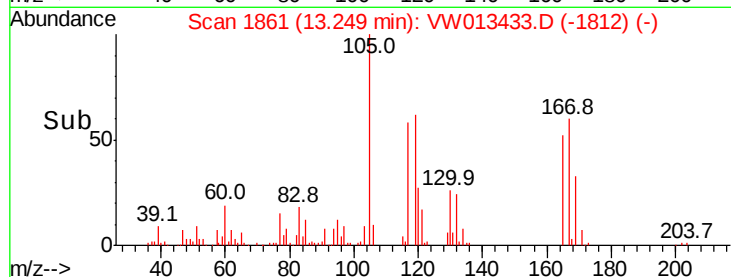
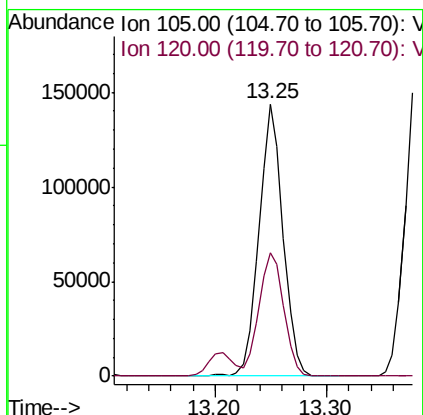
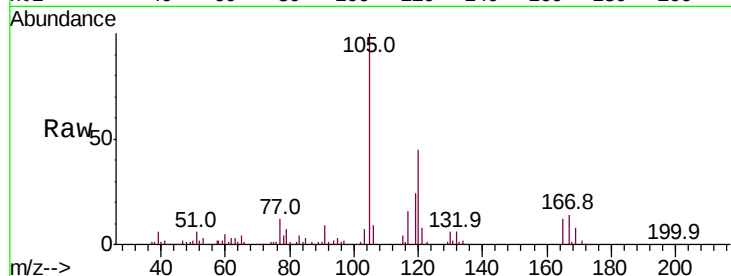




#84
1,2,4-Trimethylbenzene
Concen: 19.596 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013433.D
Acq: 04 Oct 2019 12:43

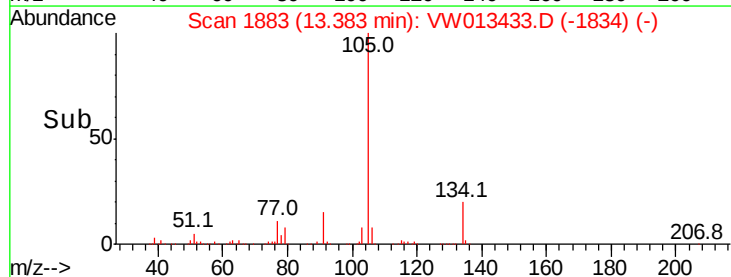
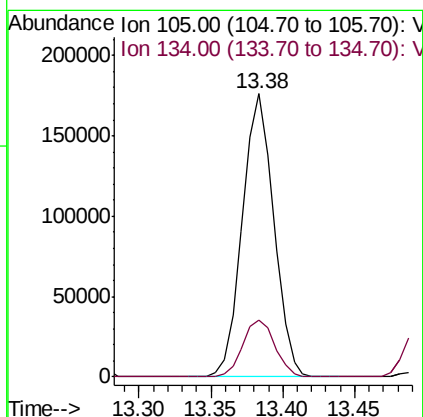
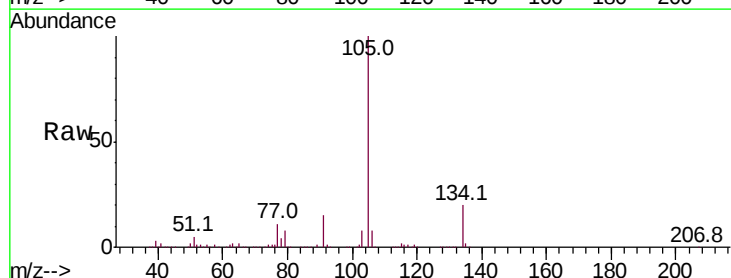
Instrument :
MSVOA_W
ClientSampleId :

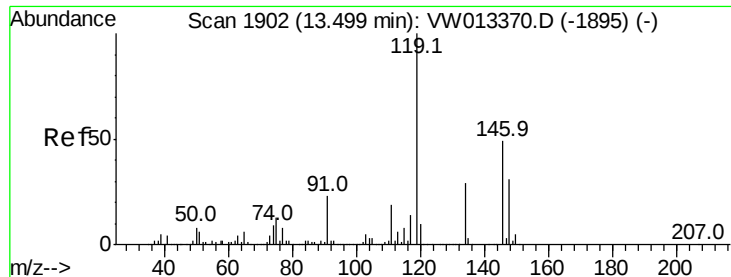
Tot Ion:105 Resp: 216556
Ion Ratio Lower Upper
105 100
120 46.7 23.4 70.3



#85
sec-Butylbenzene
Concen: 19.937 ug/l
RT: 13.38 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VW013433.D
Acq: 04 Oct 2019 12:43

Tgt Ion:105 Resp: 266905
Ion Ratio Lower Upper
105 100
134 20.7 10.3 30.8

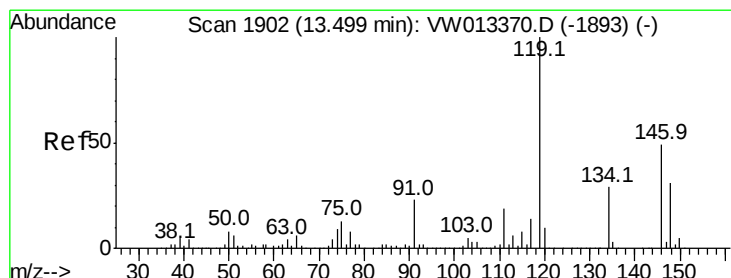
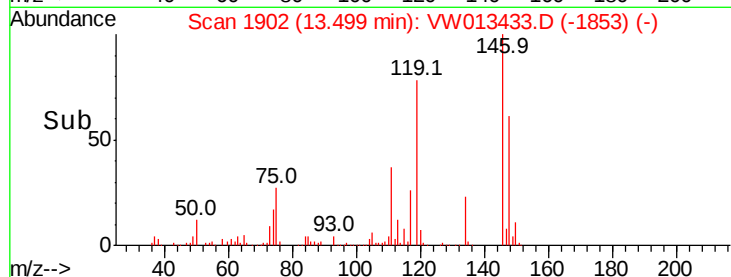
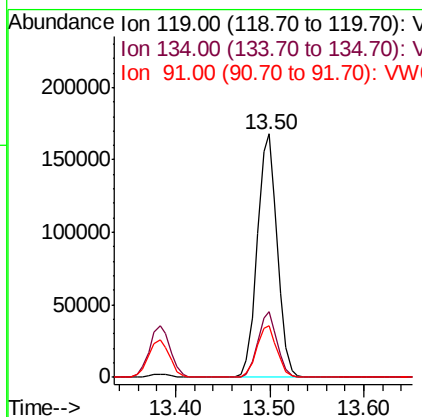
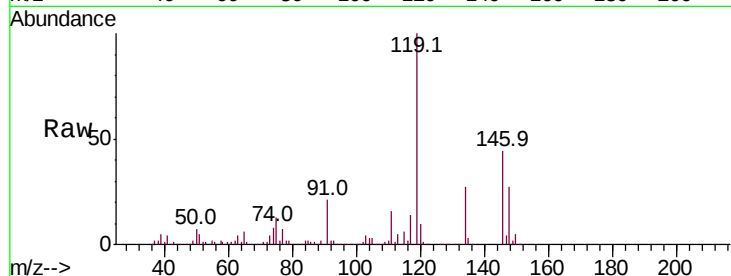




#86
p-Isopropyltoluene
Concen: 20.291 ug/l
RT: 13.50 min Scan# 1902
Delta R.T. 0.00 min
Lab File: VW013433.D
Acq: 04 Oct 2019 12:43

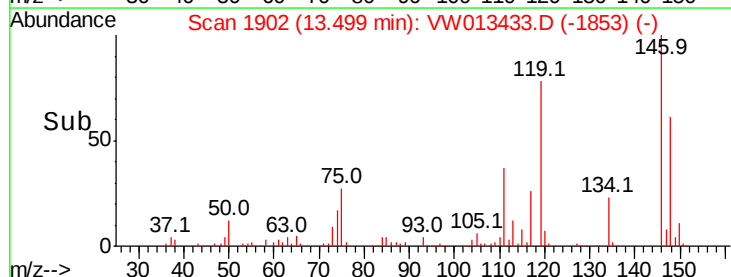
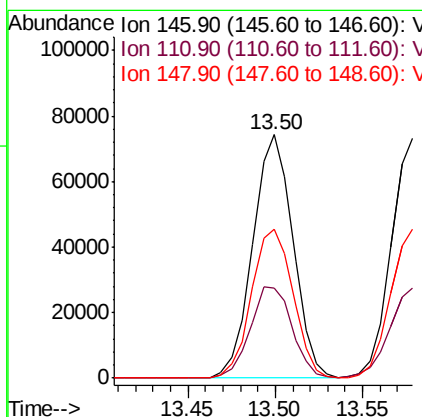
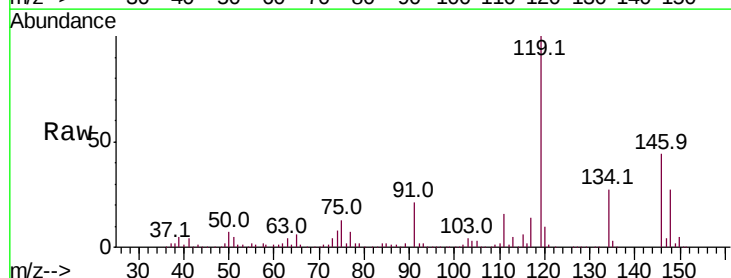
Instrument :
MSVOA_W
ClientSampleId :

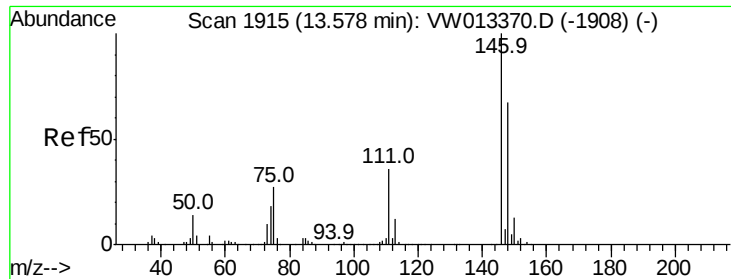
Tot Ion:119 Resp: 251754
Ion Ratio Lower Upper
119 100
134 26.2 13.3 39.8
91 21.3 10.8 32.4



#87
1,3-Dichlorobenzene
Concen: 19.642 ug/l
RT: 13.50 min Scan# 1902
Delta R.T. 0.00 min
Lab File: VW013433.D
Acq: 04 Oct 2019 12:43

Tgt Ion:146 Resp: 118747
Ion Ratio Lower Upper
146 100
111 39.1 18.9 56.9
148 63.1 31.9 95.5

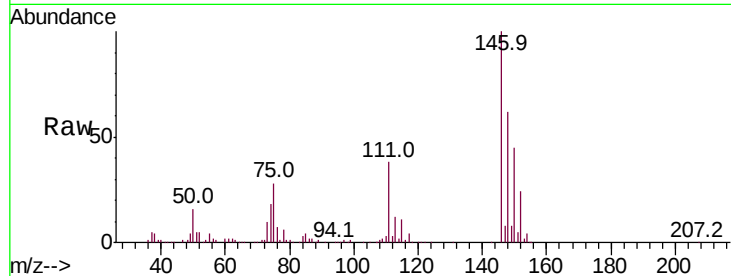




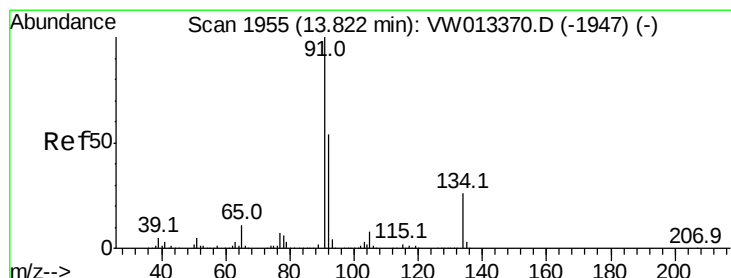
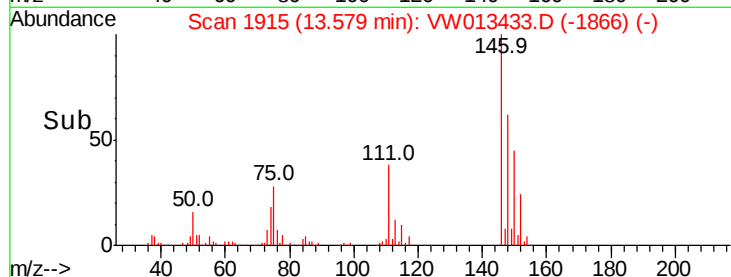
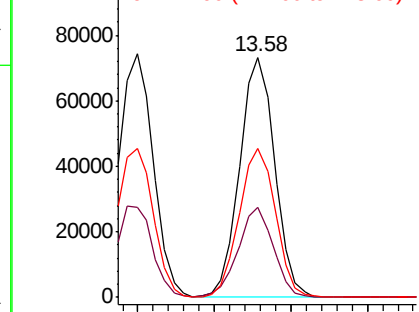
#88
 1,4-Dichlorobenzene
 Concen: 19.238 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013433.D
 Acq: 04 Oct 2019 12:43

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:146 Resp: 116447
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.4 55.0
 148 64.3 32.1 96.3

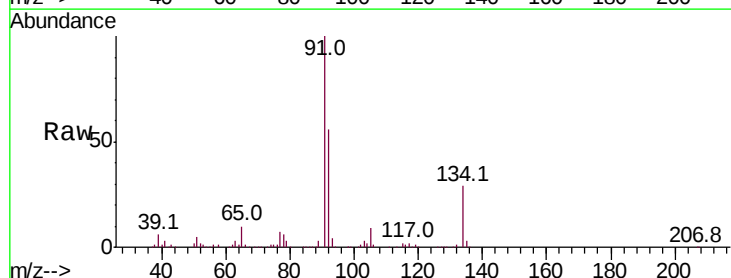


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

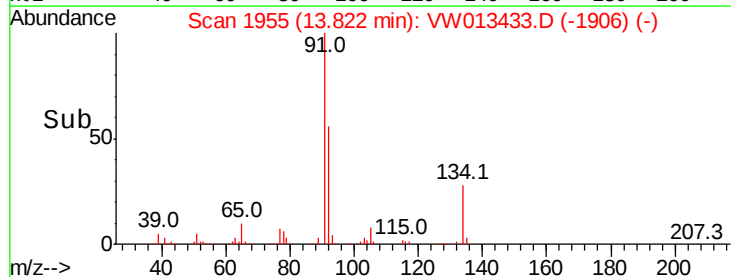
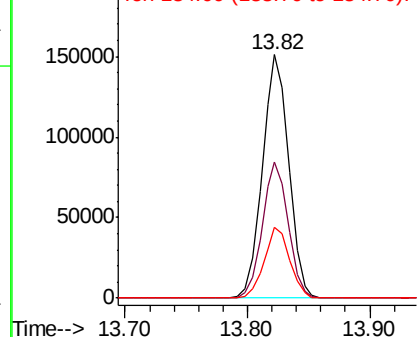


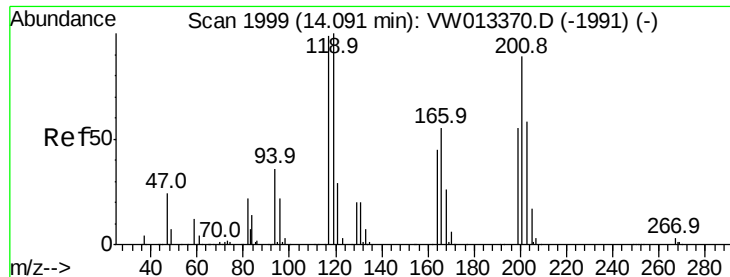
#89
 n-Butylbenzene
 Concen: 20.232 ug/l
 RT: 13.82 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW013433.D
 Acq: 04 Oct 2019 12:43

Tgt Ion: 91 Resp: 226306
 Ion Ratio Lower Upper
 91 100
 92 54.8 27.6 82.8
 134 28.2 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: 19.885 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW013433.D

Acq: 04 Oct 2019 12:43

Instrument :

MSVOA_W

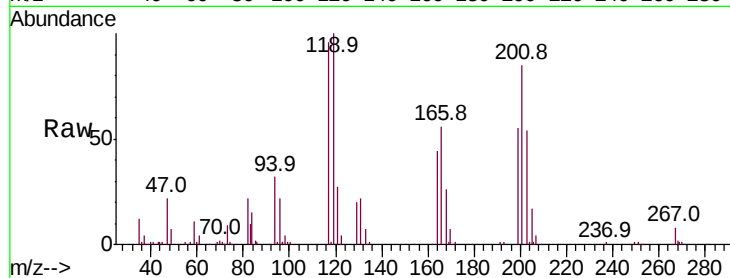
ClientSampleId :

Tot Ion:117 Resp: 40760

Ion Ratio Lower Upper

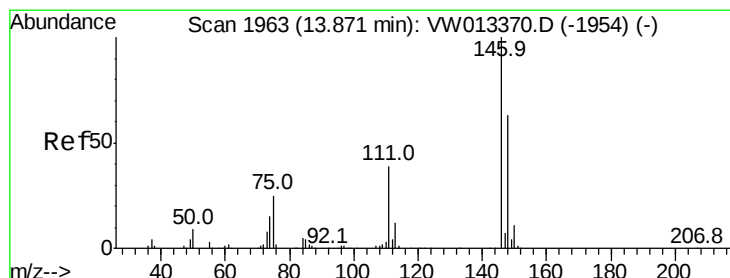
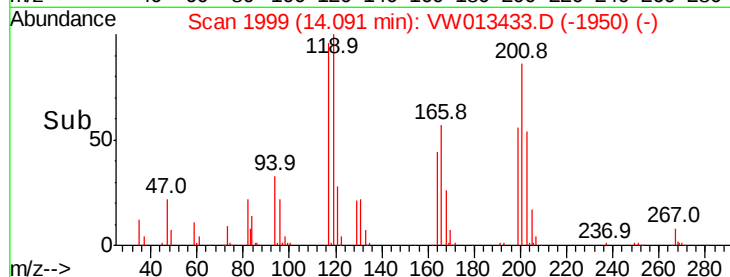
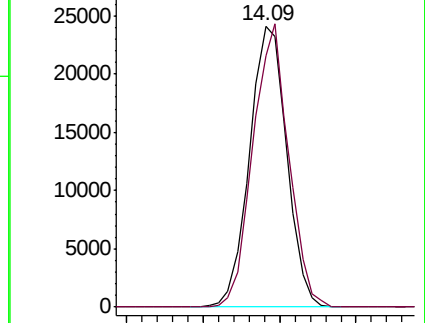
117 100

201 96.8 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: 19.696 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW013433.D

Acq: 04 Oct 2019 12:43

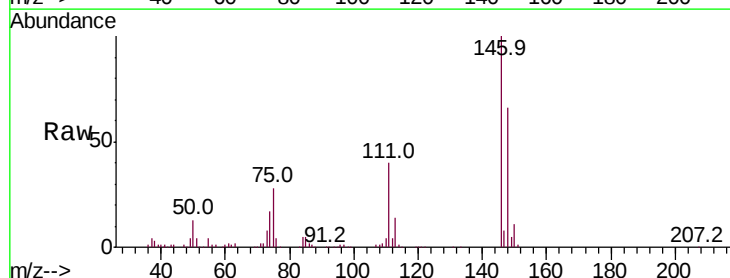
Tgt Ion:146 Resp: 105259

Ion Ratio Lower Upper

146 100

111 38.3 20.1 60.3

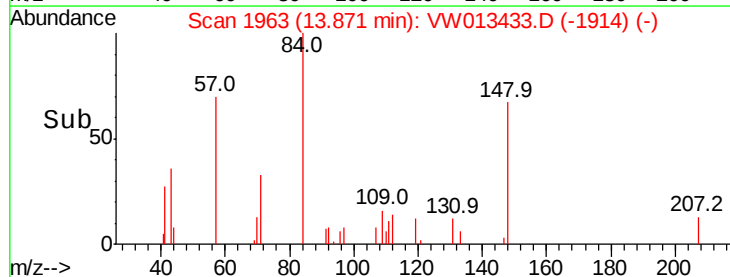
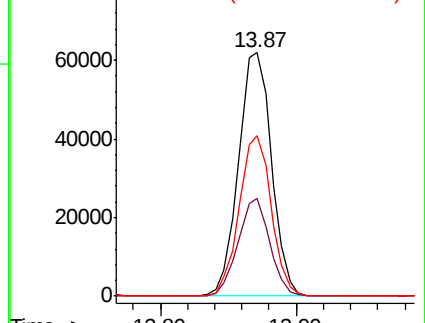
148 64.0 32.0 96.0

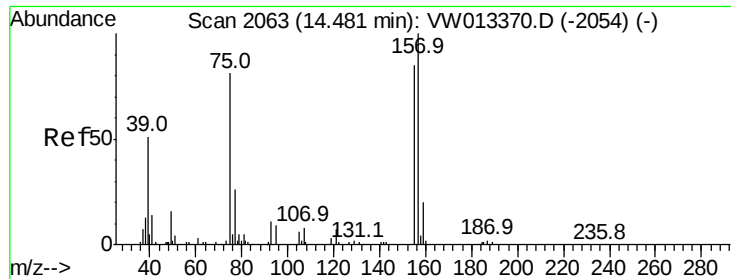


Abundance Ion 145.90 (145.60 to 146.60): V

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: 22.249 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.01 min

Lab File: VW013433.D

Acq: 04 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

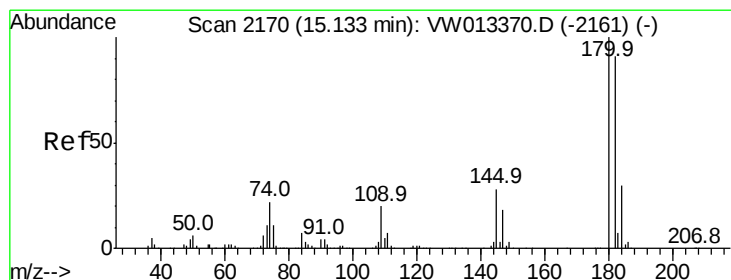
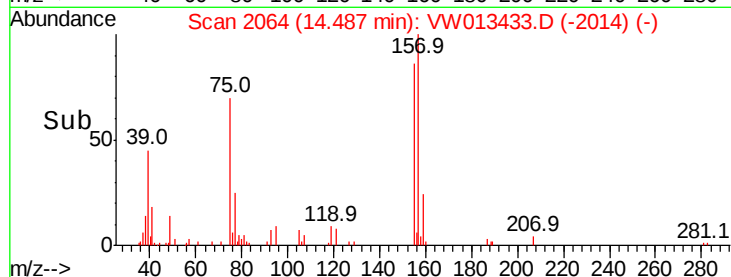
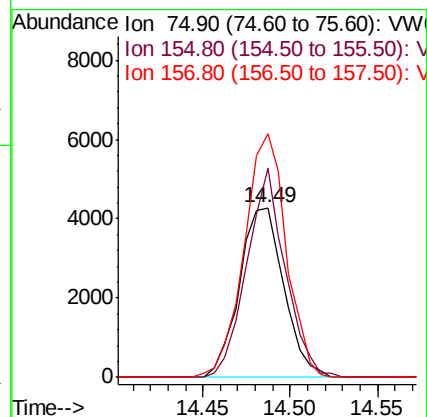
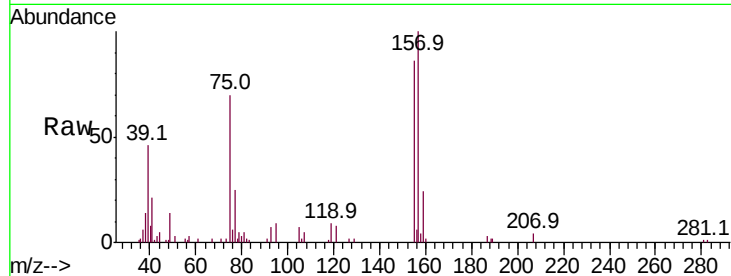
Tot Ion: 75 Resp: 7538

Ion	Ratio	Lower	Upper
75	100		
155	106.7	46.1	138.3
157	136.3	60.4	181.2

75 100

155 106.7 46.1 138.3

157 136.3 60.4 181.2



#93

1,2,4-Trichlorobenzene

Concen: 19.405 ug/l

RT: 15.13 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VW013433.D

Acq: 04 Oct 2019 12:43

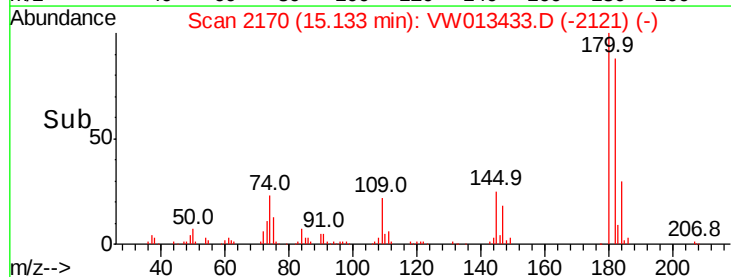
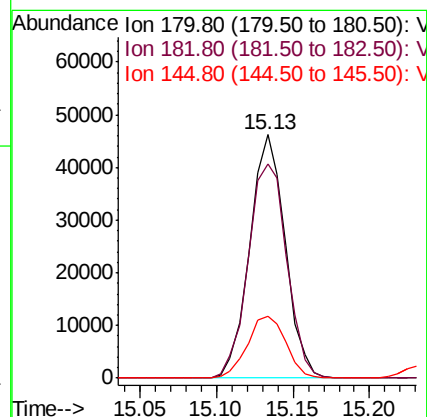
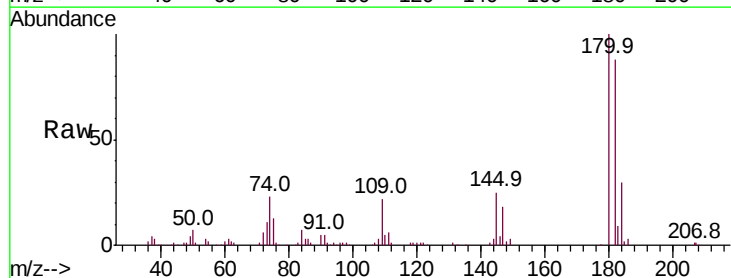
Tgt Ion:180 Resp: 74423

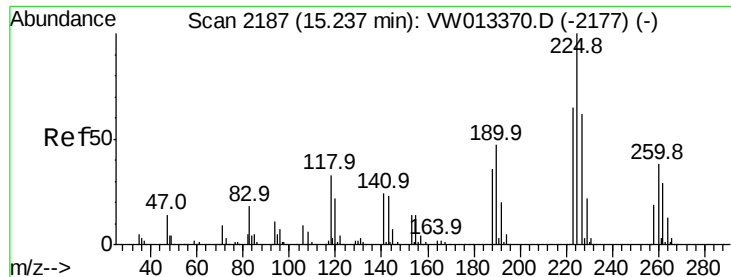
Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.3	142.0
145	27.5	14.2	42.8

180 100

182 95.9 47.3 142.0

145 27.5 14.2 42.8





#94

Hexachlorobutadiene

Concen: 20.517 ug/l

RT: 15.24 min Scan# 2187

Delta R.T. 0.00 min

Lab File: VW013433.D

Acq: 04 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

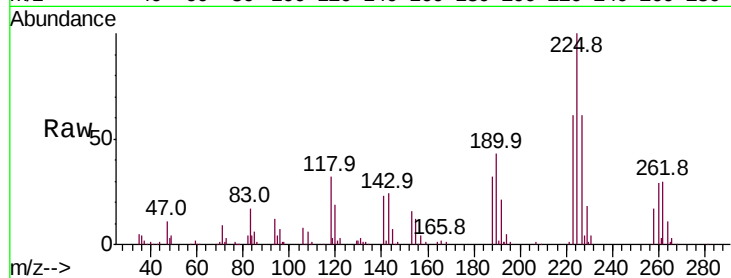
Tot Ion:225 Resp: 51116

Ion Ratio Lower Upper

225 100

223 64.5 30.6 91.8

227 62.7 31.9 95.9

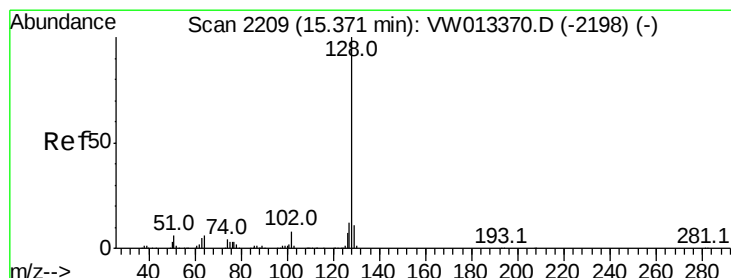
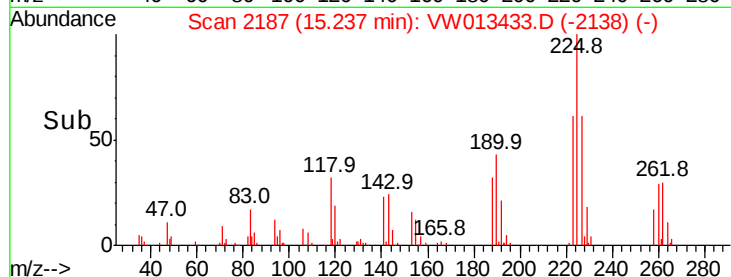
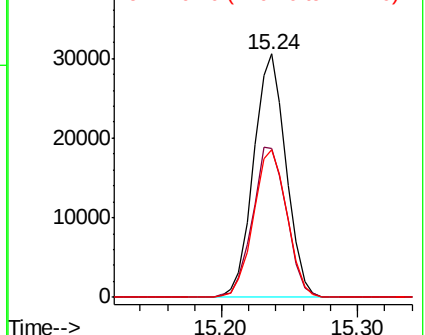


Abundance

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: 20.880 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW013433.D

Acq: 04 Oct 2019 12:43

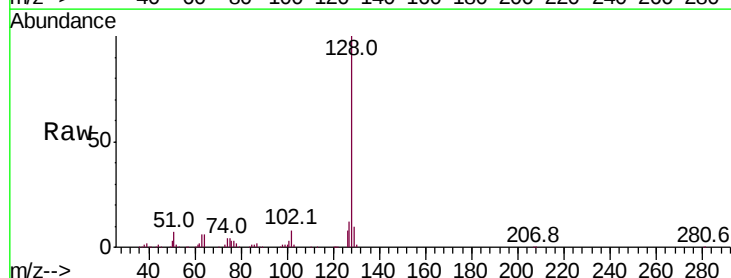
Tgt Ion:128 Resp: 135089

Ion Ratio Lower Upper

128 100

127 13.4 10.6 15.8

129 10.7 8.7 13.1

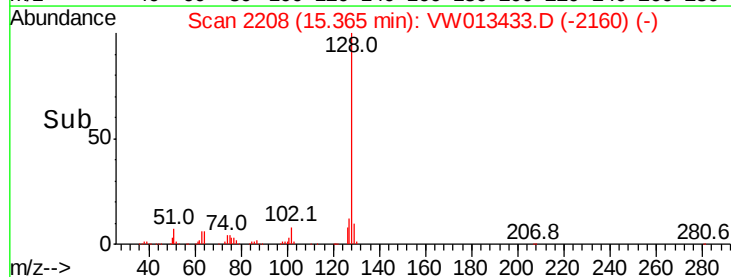
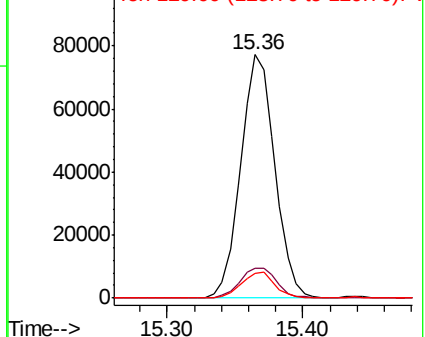


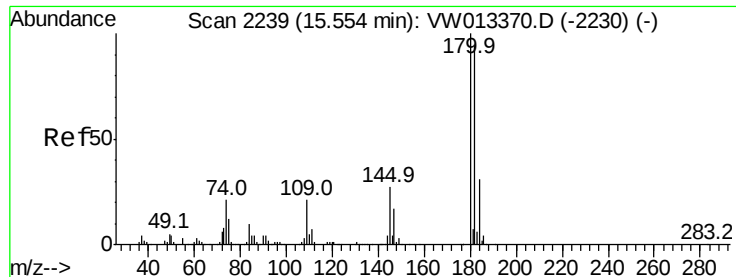
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

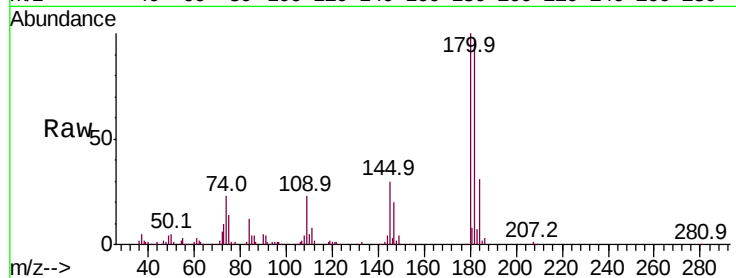




#96
 1,2,3-Trichlorobenzene
 Concen: 19.295 ug/l
 RT: 15.55 min Scan# 2239
 Delta R.T. 0.00 min
 Lab File: VW013433.D
 Acq: 04 Oct 2019 12:43

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	47.9	143.7
145	30.5	15.0	45.0



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

