

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100419\
 Data File : VW013434.D
 Acq On : 04 Oct 2019 13:09
 Operator : SY/VA
 Sample : VW1004SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 04 15:31:03 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	316319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	443991	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	387486	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	197258	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	129368	54.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.54%	
35) Dibromofluoromethane	7.88	113	130064	55.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.66%	
50) Toluene-d8	10.32	98	540165	55.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.74%	
62) 4-Bromofluorobenzene	12.62	95	181451	56.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	22007	17.987	ug/l	96
3) Chloromethane	2.21	50	42676	21.138	ug/l	98
4) Vinyl Chloride	2.35	62	60430	21.090	ug/l	100
5) Bromomethane	2.77	94	35189	19.990	ug/l	96
6) Chloroethane	2.92	64	33703	20.370	ug/l	100
7) Trichlorofluoromethane	3.25	101	28171	22.662	ug/l	93
8) Diethyl Ether	3.68	74	29728	20.662	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	56722	20.581	ug/l	98
10) Methyl Iodide	4.27	142	90069	20.237	ug/l	99
11) Tert butyl alcohol	5.19	59	26753	126.171	ug/l #	78
12) 1,1-Dichloroethene	4.04	96	58973	20.253	ug/l	94
13) Acrolein	3.90	56	24777	109.944	ug/l	95
14) Allyl chloride	4.66	41	91204	21.173	ug/l	99
15) Acrylonitrile	5.37	53	70865	108.952	ug/l	99
16) Acetone	4.13	43	59266	81.864	ug/l	100
17) Carbon Disulfide	4.38	76	168847	20.785	ug/l	100
18) Methyl Acetate	4.67	43	36937	21.799	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	89607	20.909	ug/l	96
20) Methylene Chloride	4.92	84	66358	20.915	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	62529	20.164	ug/l	98
22) Diisopropyl ether	6.31	45	171597	20.628	ug/l	97
23) Vinyl Acetate	6.25	43	526838	105.545	ug/l	99
24) 1,1-Dichloroethane	6.21	63	103026	20.333	ug/l	97
25) 2-Butanone	7.17	43	91722	99.014	ug/l	97
26) 2,2-Dichloropropane	7.16	77	66283	21.669	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	66017	20.339	ug/l	99
28) Bromochloromethane	7.52	49	34466	18.814	ug/l	99
29) Tetrahydrofuran	7.53	42	59449	115.750	ug/l	99
30) Chloroform	7.67	83	100523	20.233	ug/l	95
31) Cyclohexane	7.95	56	111015	20.545	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	81857	21.030	ug/l	98
36) 1,1-Dichloropropene	8.08	75	87678	21.261	ug/l	98
37) Ethyl Acetate	7.25	43	40374	22.267	ug/l	97
38) Carbon Tetrachloride	8.07	117	76463	21.405	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	113950	20.981	ug/l	96
40) Benzene	8.32	78	243911	20.894	ug/l	100
41) Methacrylonitrile	7.48	41	22479	20.484	ug/l	93
42) 1,2-Dichloroethane	8.40	62	62353	20.782	ug/l	96
43) Isopropyl Acetate	8.42	43	72914	21.286	ug/l	100
44) Trichloroethene	9.09	130	70659	21.494	ug/l	99
45) 1,2-Dichloropropane	9.37	63	58710	20.947	ug/l	98
46) Dibromomethane	9.46	93	28718	20.571	ug/l	95
47) Bromodichloromethane	9.65	83	72064	20.969	ug/l	96
48) Methyl methacrylate	9.43	41	34127	20.735	ug/l	96
49) 1,4-Dioxane	9.46	88	11255	512.618	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	193321	107.417	ug/l	98
52) Toluene	10.38	92	156675	20.808	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	76326	21.351	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	90022	20.770	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	44151	21.200	ug/l	95
56) Ethyl methacrylate	10.65	69	60253	21.495	ug/l	98
57) 1,3-Dichloropropane	10.93	76	76776	21.206	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	137599	119.498	ug/l	98
59) 2-Hexanone	10.97	43	134585	107.889	ug/l	99
60) Dibromochloromethane	11.13	129	49800	20.902	ug/l	100
61) 1,2-Dibromoethane	11.23	107	42944	21.339	ug/l	100
64) Tetrachloroethene	10.86	164	60010	20.356	ug/l	98
65) Chlorobenzene	11.66	112	162969	20.529	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	56198	20.785	ug/l	99
67) Ethyl Benzene	11.73	91	297339	20.899	ug/l	99
68) m/p-Xylenes	11.84	106	227846	41.489	ug/l	100
69) o-Xylene	12.16	106	104849	20.650	ug/l	97
70) Styrene	12.18	104	179942	20.731	ug/l	99
71) Bromoform	12.35	173	31249	21.317	ug/l	97
73) Isopropylbenzene	12.46	105	290727	20.149	ug/l	100
74) N-amyl acetate	12.27	43	65586	21.358	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	51348	21.025	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	64430	36.751	ug/l #	100
77) Bromobenzene	12.74	156	69315	20.006	ug/l	99
78) n-propylbenzene	12.80	91	342861	20.657	ug/l	99
79) 2-Chlorotoluene	12.89	91	193362	20.975	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	245316	20.467	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16321	22.334	ug/l	96
82) 4-Chlorotoluene	12.99	91	198178	20.522	ug/l	99
83) tert-Butylbenzene	13.21	119	217241	20.750	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	241973	20.307	ug/l	100
85) sec-Butylbenzene	13.38	105	299373	20.740	ug/l	99
86) p-Isopropyltoluene	13.50	119	274275	20.503	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	132243	20.288	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	127709	19.568	ug/l	97
89) n-Butylbenzene	13.82	91	250072	20.735	ug/l	99
90) Hexachloroethane	14.09	117	46703	21.132	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	117104	20.323	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8162	22.344	ug/l	93

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

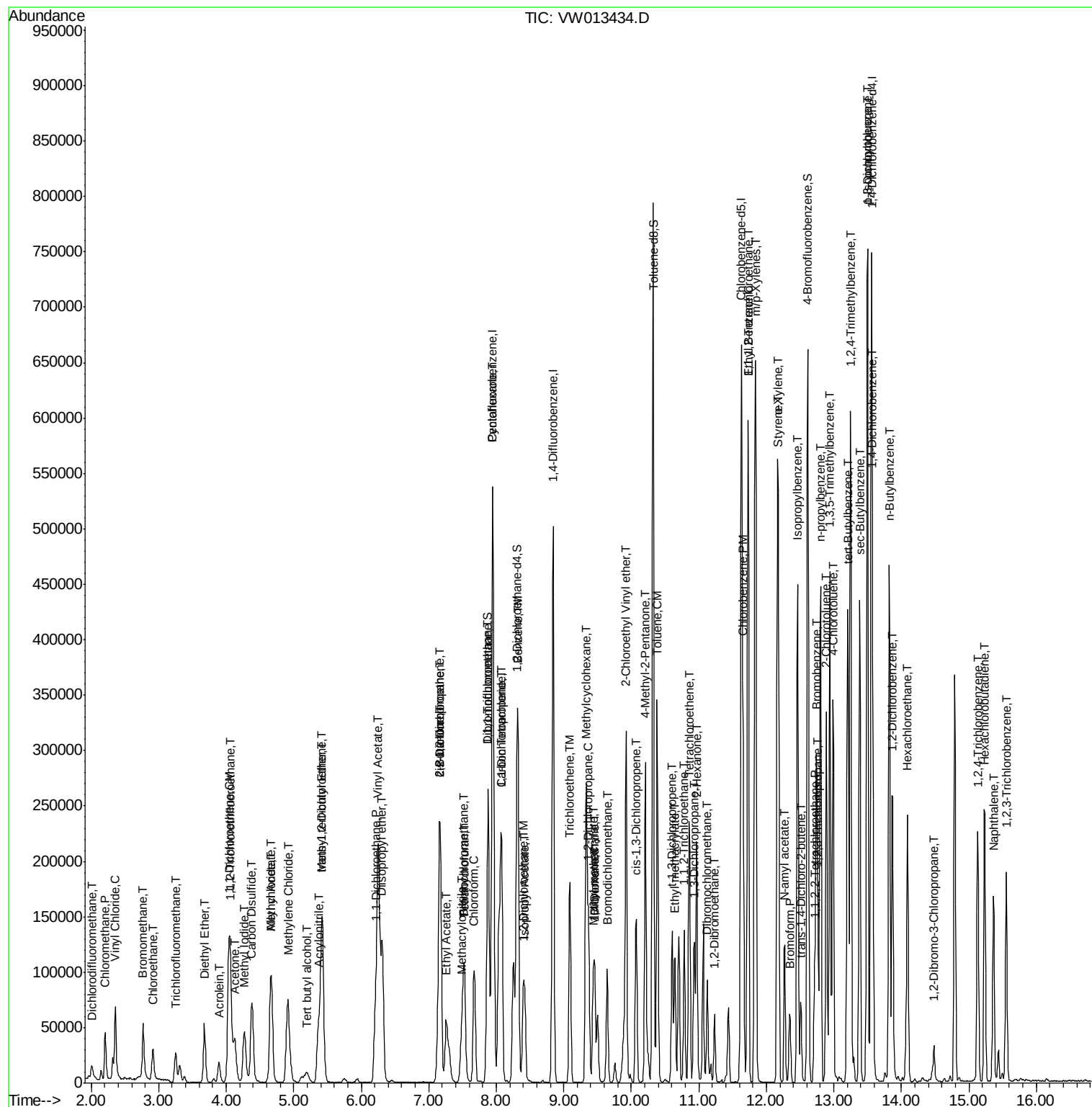
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	82527	19.957	ug/l	99
94) Hexachlorobutadiene	15.24	225	56760	21.130	ug/l	98
95) Naphthalene	15.36	128	145095	20.800	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	72900	20.191	ug/l	99

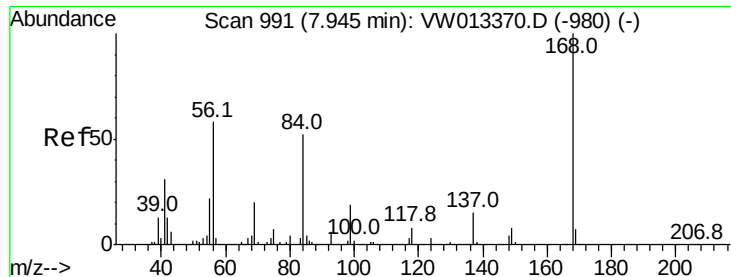
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013434.D

Acq: 04 Oct 2019 13:09

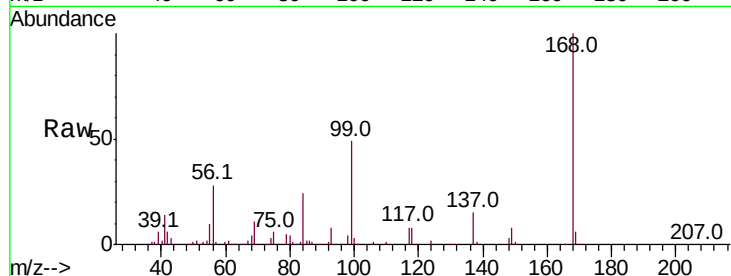
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 316319

Ion Ratio Lower Upper

168 100

99 49.1 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

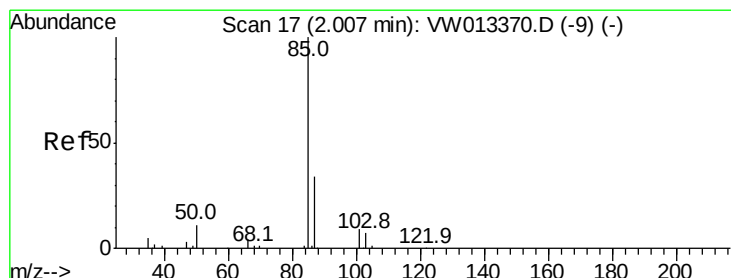
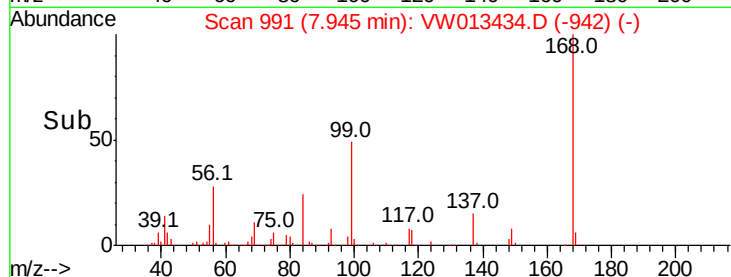
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 17.987 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013434.D

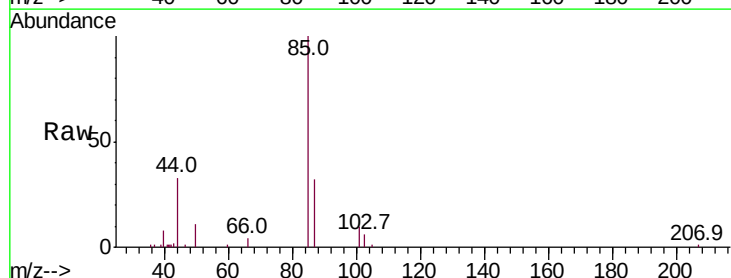
Acq: 04 Oct 2019 13:09

Tgt Ion: 85 Resp: 22007

Ion Ratio Lower Upper

85 100

87 32.1 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

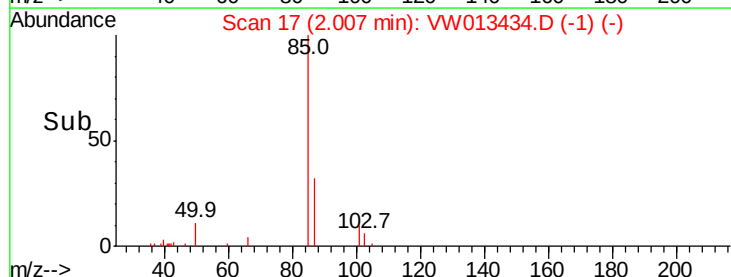
4000

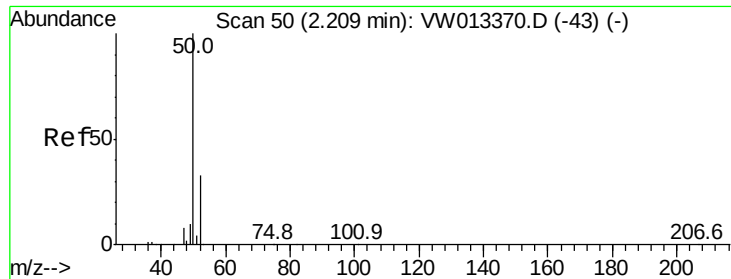
2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 21.138 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013434.D

Acq: 04 Oct 2019 13:09

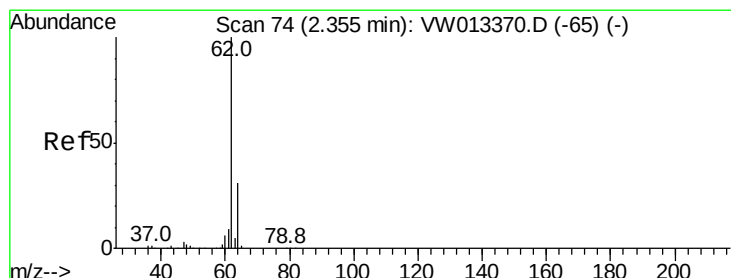
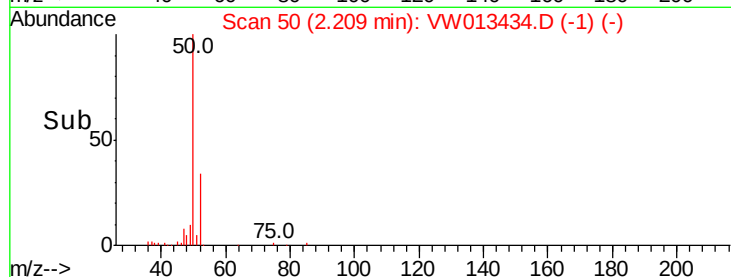
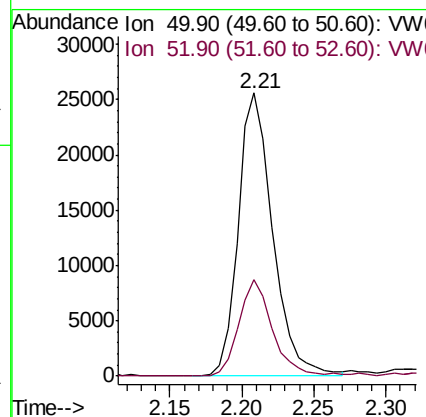
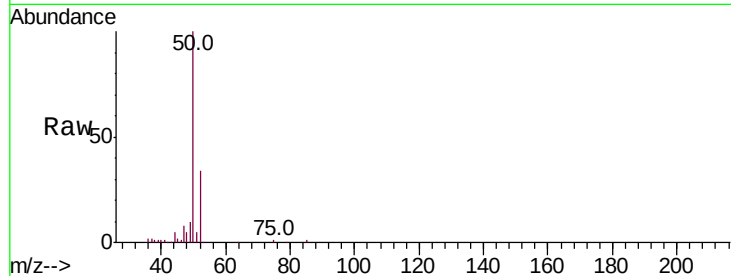
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 50 Resp: 42676

Ion Ratio Lower Upper

50 100

52 33.9 26.1 39.1



#4

Vinyl Chloride

Concen: 21.090 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW013434.D

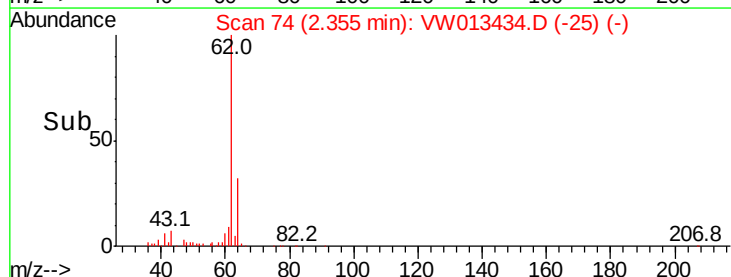
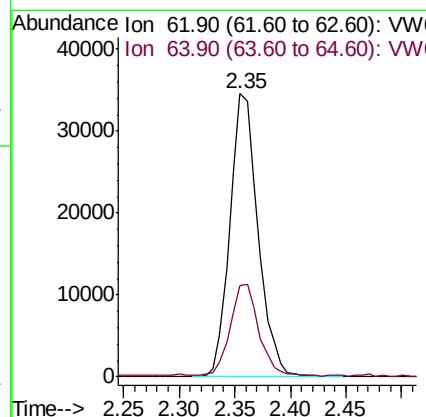
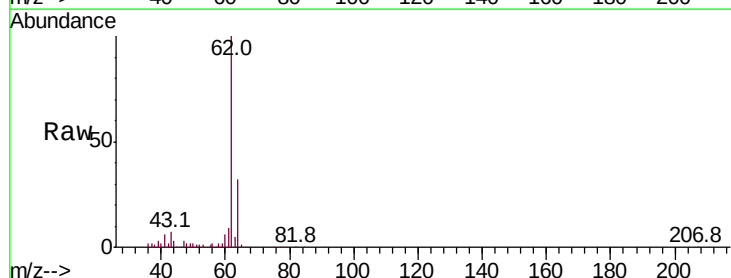
Acq: 04 Oct 2019 13:09

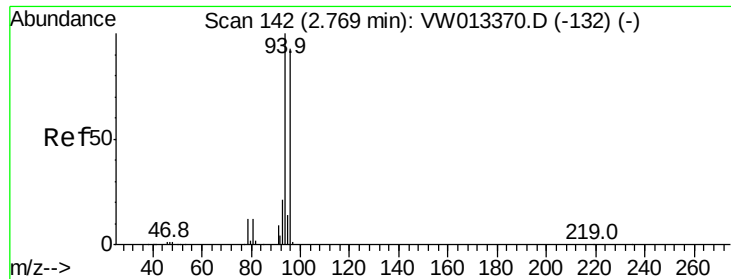
Tgt Ion: 62 Resp: 60430

Ion Ratio Lower Upper

62 100

64 31.8 25.3 37.9





#5

Bromomethane

Concen: 19.990 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW013434.D

Acq: 04 Oct 2019 13:09

Instrument :

MSVOA_W

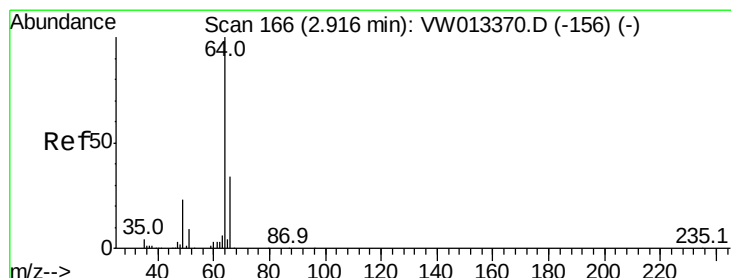
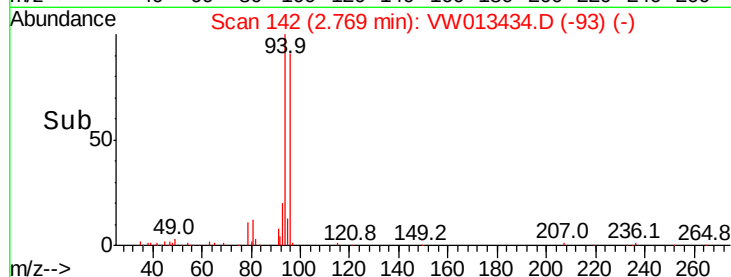
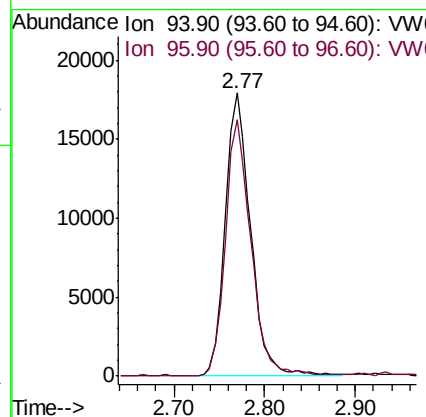
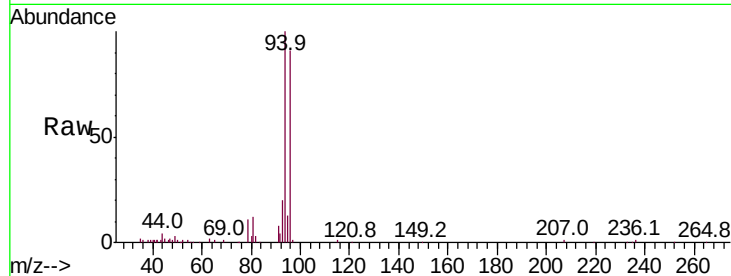
ClientSampled :

Tot Ion: 94 Resp: 35189

Ion Ratio Lower Upper

94 100

96 90.6 69.7 104.5



#6

Chloroethane

Concen: 20.370 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW013434.D

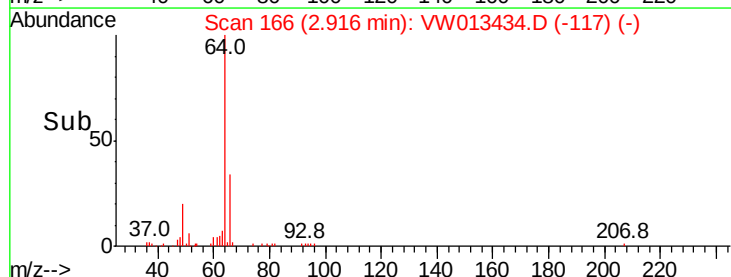
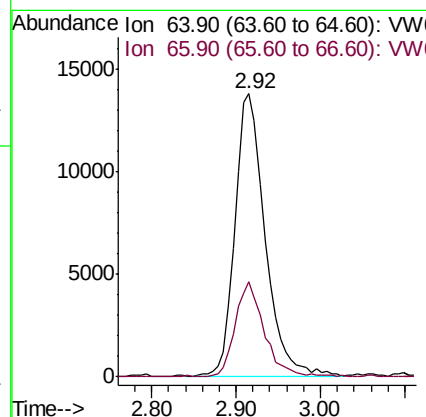
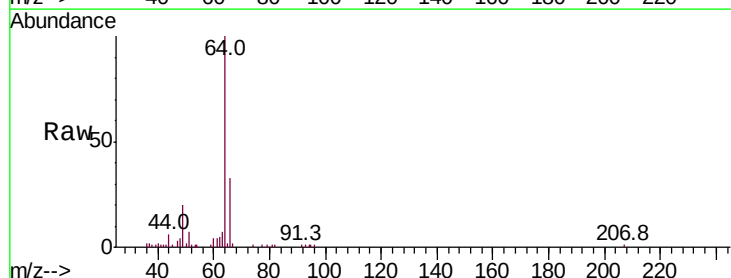
Acq: 04 Oct 2019 13:09

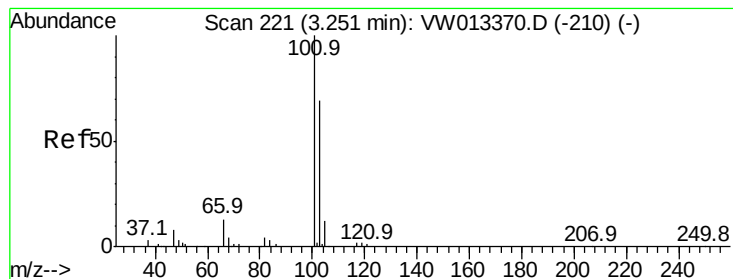
Tgt Ion: 64 Resp: 33703

Ion Ratio Lower Upper

64 100

66 33.5 26.6 39.8



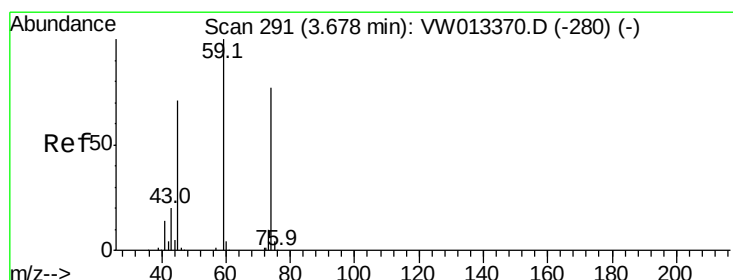
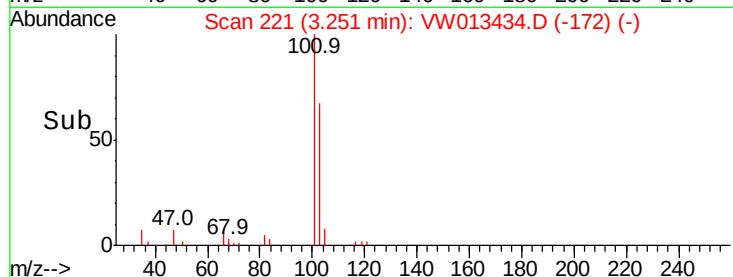
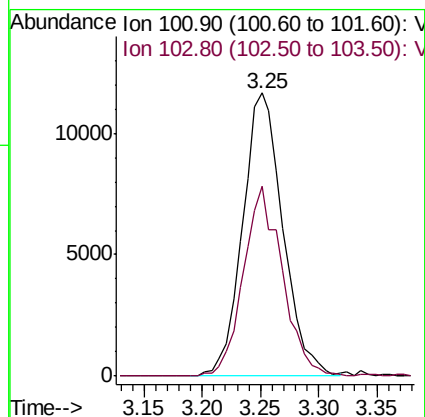
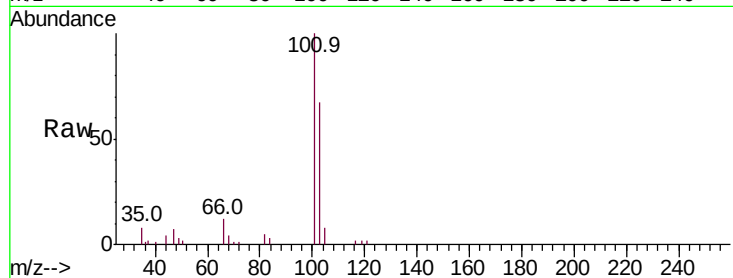


#7

Trichlorofluoromethane
Concen: 22.662 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW013434.D
Acq: 04 Oct 2019 13:09

Instrument :
MSVOA_W
ClientSampled :

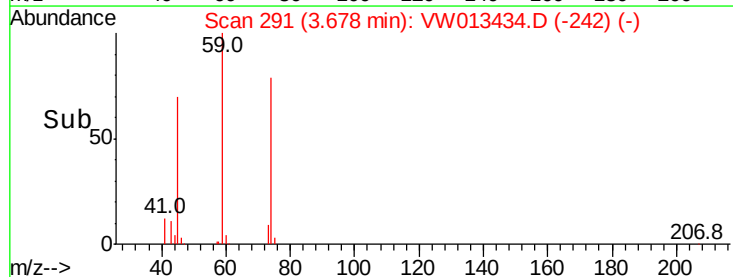
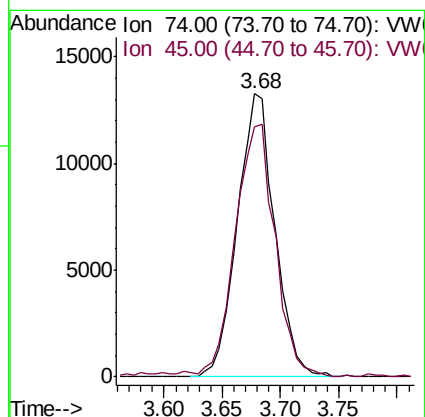
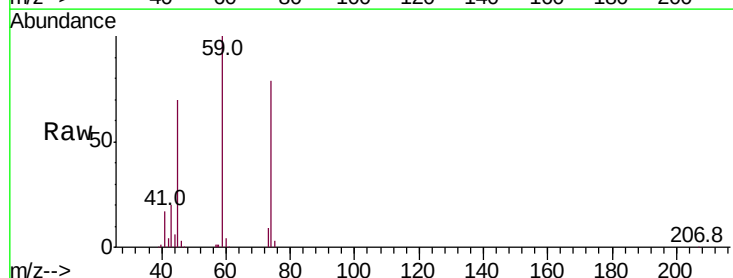
Tot Ion:101 Resp: 28171
Ion Ratio Lower Upper
101 100
103 67.1 49.7 74.5

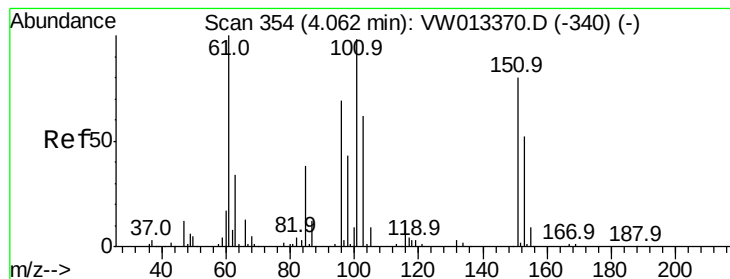


#8

Diethyl Ether
Concen: 20.662 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW013434.D
Acq: 04 Oct 2019 13:09

Tgt Ion: 74 Resp: 29728
Ion Ratio Lower Upper
74 100
45 95.7 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.581 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW013434.D

Acq: 04 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

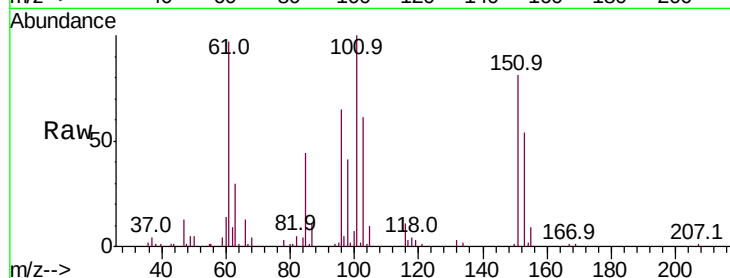
Tot Ion:101 Resp: 56722

Ion Ratio Lower Upper

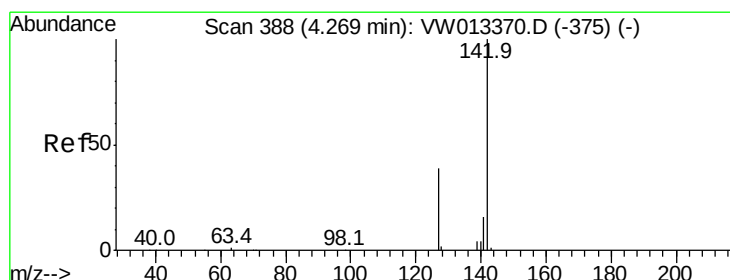
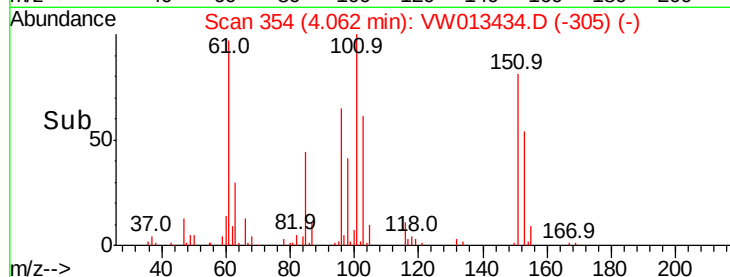
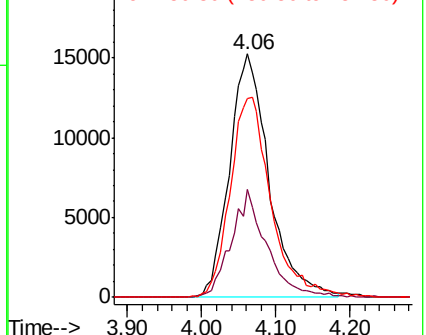
101 100

85 39.6 33.4 50.0

151 85.0 66.9 100.3



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



#10

Methyl Iodide

Concen: 20.237 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW013434.D

Acq: 04 Oct 2019 13:09

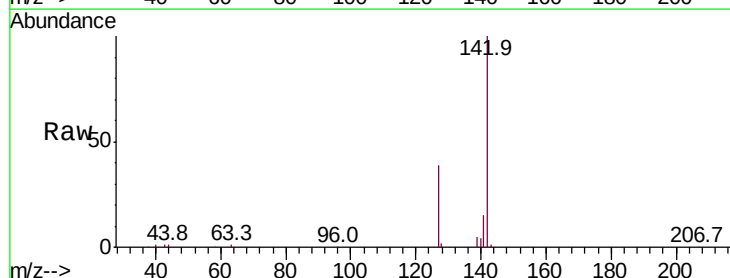
Tgt Ion:142 Resp: 90069

Ion Ratio Lower Upper

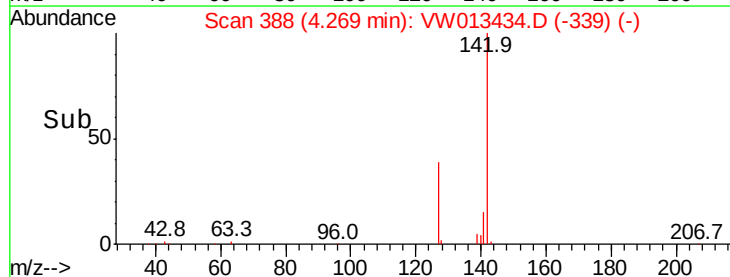
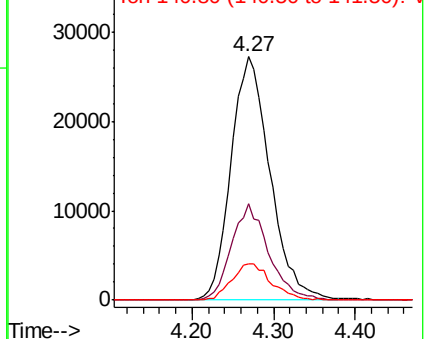
142 100

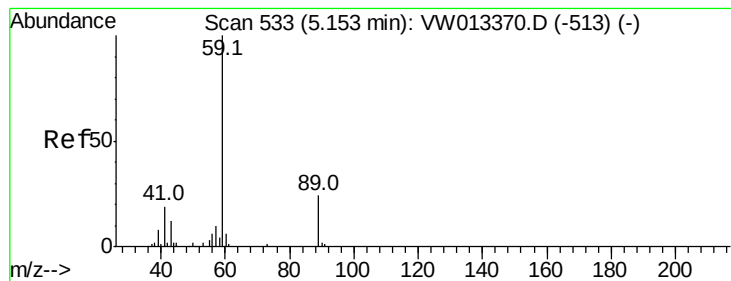
127 37.7 30.9 46.3

141 15.1 11.7 17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



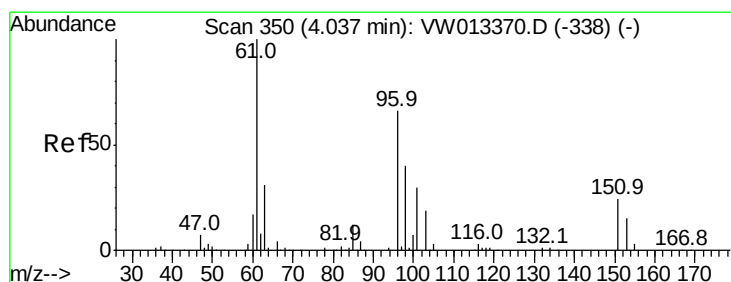
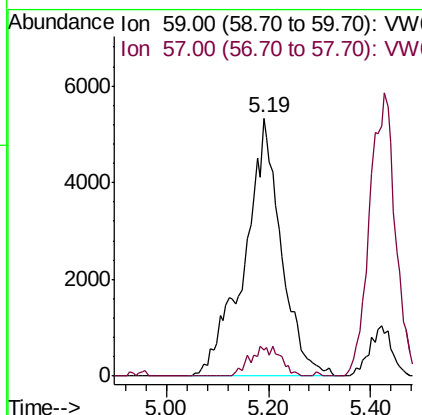
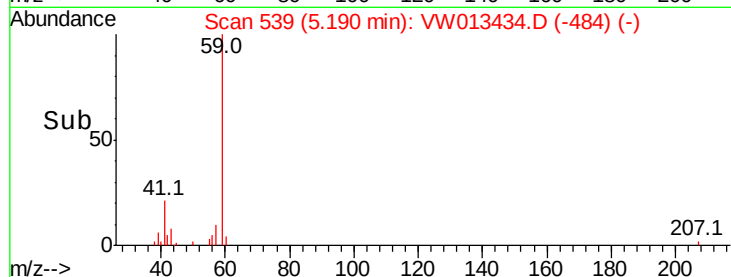
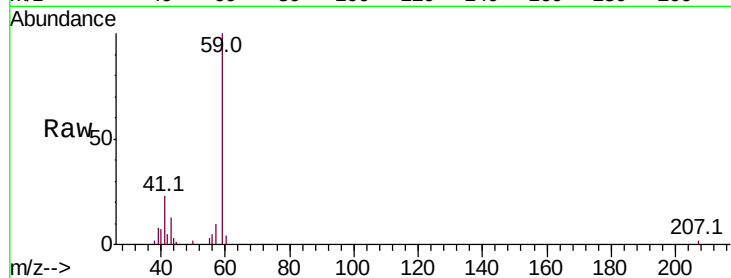


#11

Tert butyl alcohol
Concen: 126.171 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.04 min
Lab File: VW013434.D
Acq: 04 Oct 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :

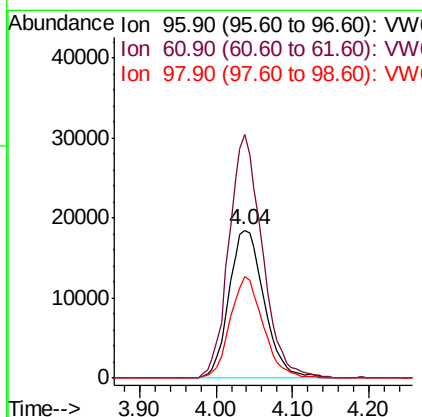
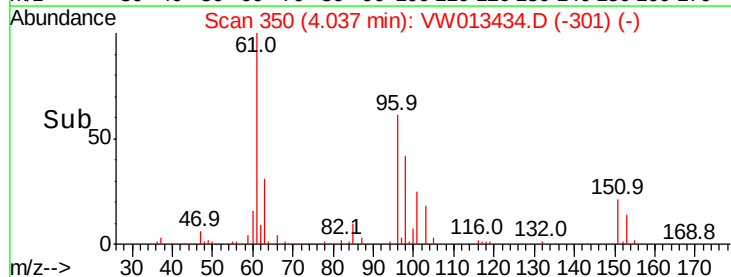
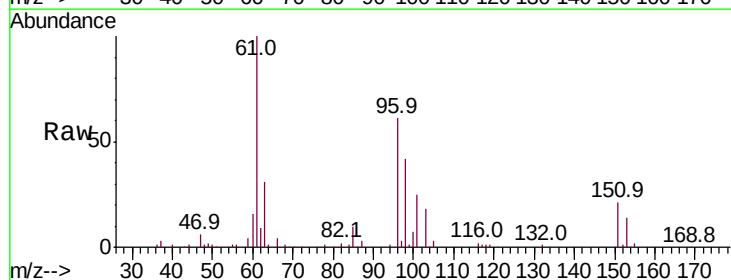
Tot Ion: 59 Resp: 26753
Ion Ratio Lower Upper
59 100
57 2.0 8.2 12.2#

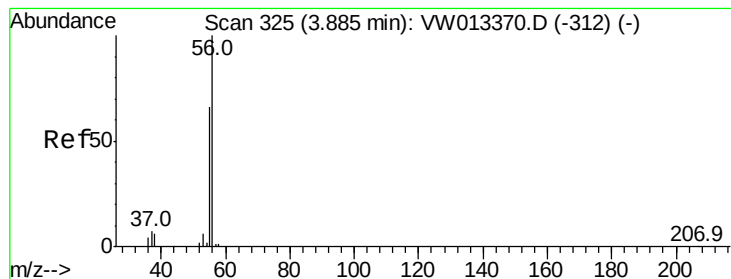


#12

1,1-Dichloroethene
Concen: 20.253 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW013434.D
Acq: 04 Oct 2019 13:09

Tgt Ion: 96 Resp: 58973
Ion Ratio Lower Upper
96 100
61 164.5 125.1 187.7
98 68.8 50.8 76.2





#13

Acrolein

Concen: 109.944 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW013434.D

Acq: 04 Oct 2019 13:09

Instrument :

MSVOA_W

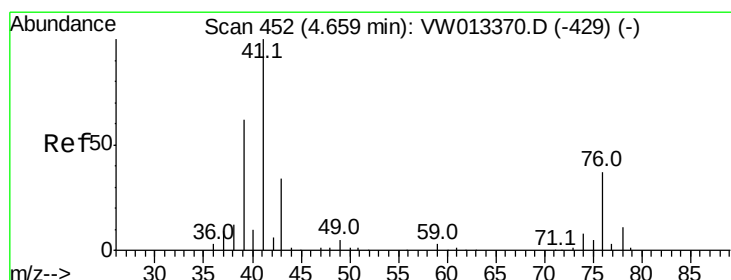
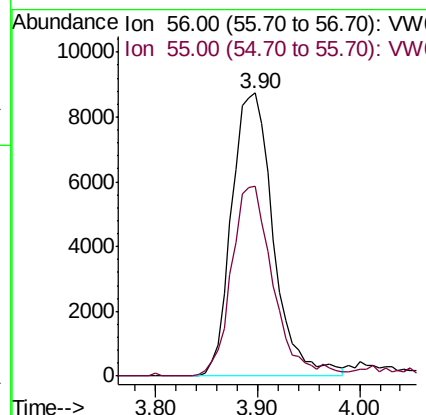
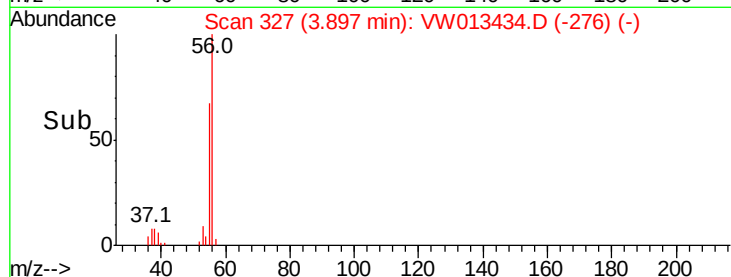
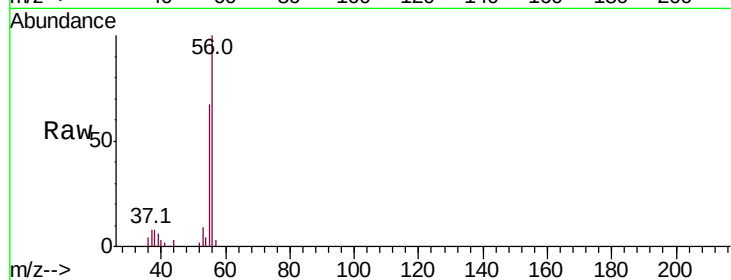
ClientSampleId :

Tot Ion: 56 Resp: 24777

Ion Ratio Lower Upper

56 100

55 65.5 55.4 83.0



#14

Allyl chloride

Concen: 21.173 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW013434.D

Acq: 04 Oct 2019 13:09

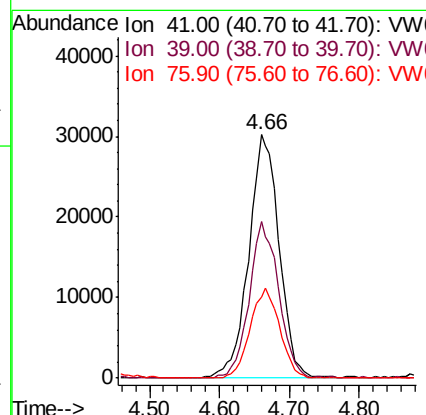
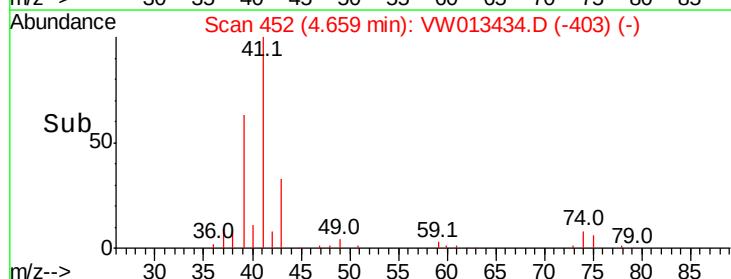
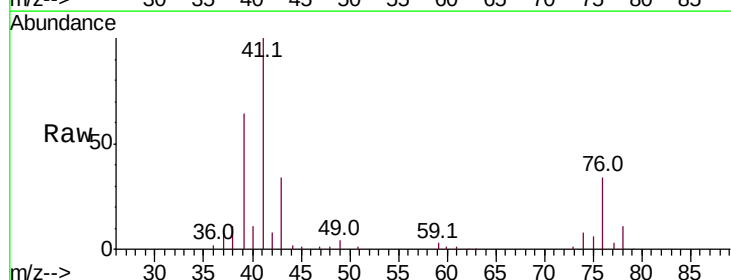
Tgt Ion: 41 Resp: 91204

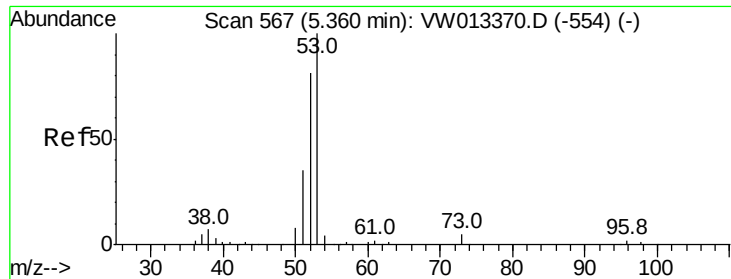
Ion Ratio Lower Upper

41 100

39 62.4 51.0 76.4

76 35.9 28.4 42.6





#15

Acrylonitrile

Concen: 108.952 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW013434.D

Acq: 04 Oct 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :

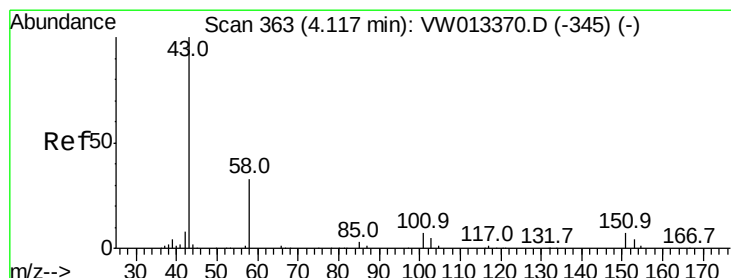
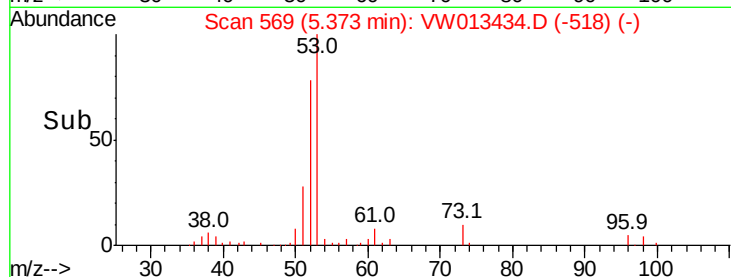
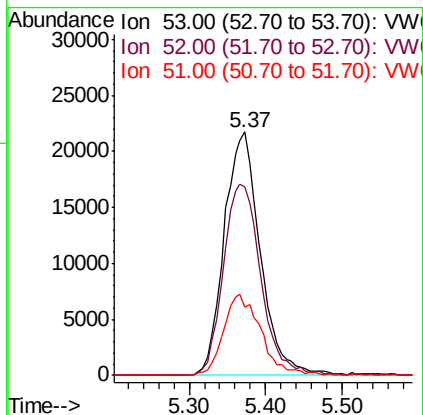
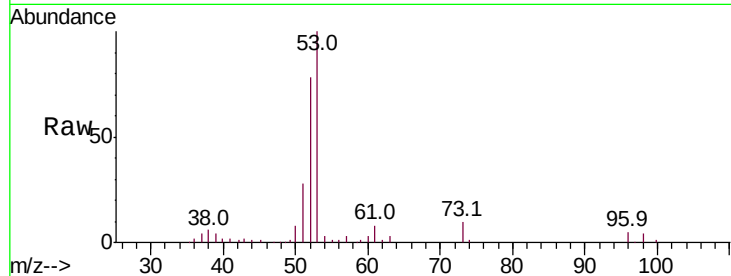
Tot Ion: 53 Resp: 70865

Ion Ratio Lower Upper

53 100

52 81.8 65.3 97.9

51 34.4 29.0 43.4



#16

Acetone

Concen: 81.864 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW013434.D

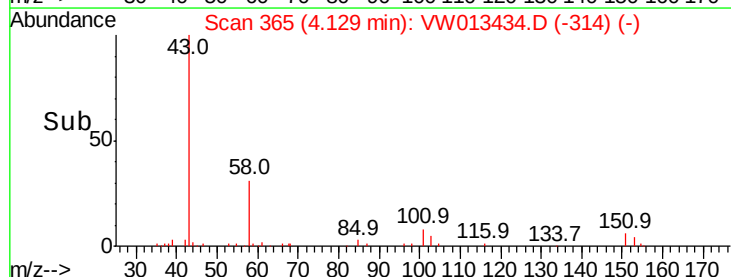
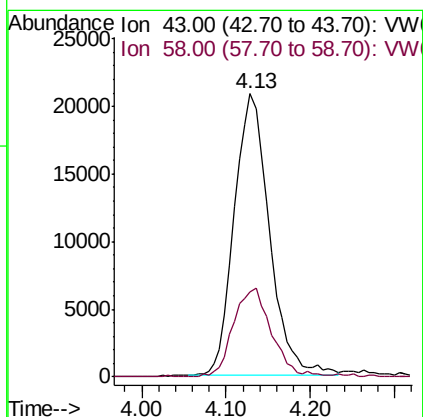
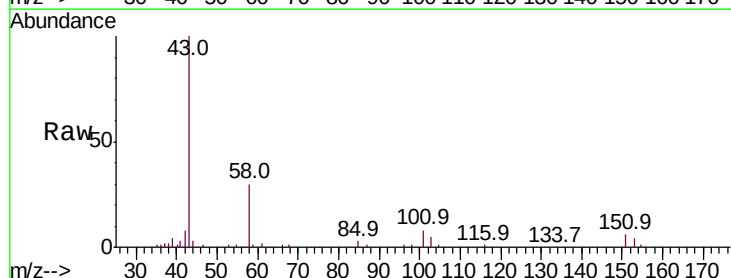
Acq: 04 Oct 2019 13:09

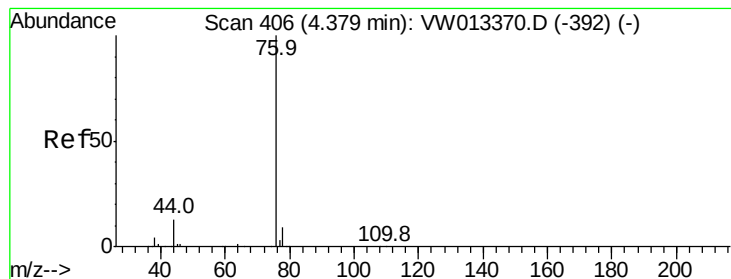
Tgt Ion: 43 Resp: 59266

Ion Ratio Lower Upper

43 100

58 30.4 24.1 36.1





#17

Carbon Disulfide

Concen: 20.785 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW013434.D

Acq: 04 Oct 2019 13:09

Instrument :

MSVOA_W

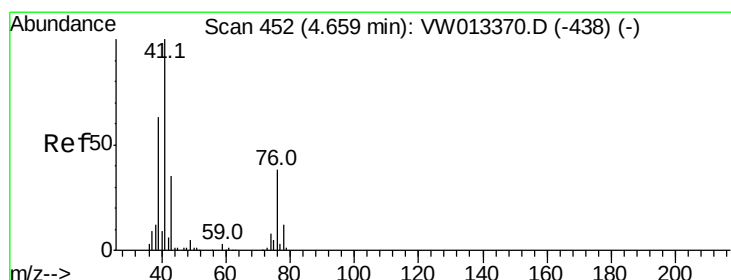
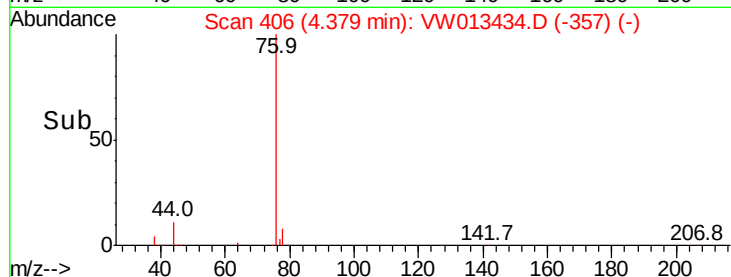
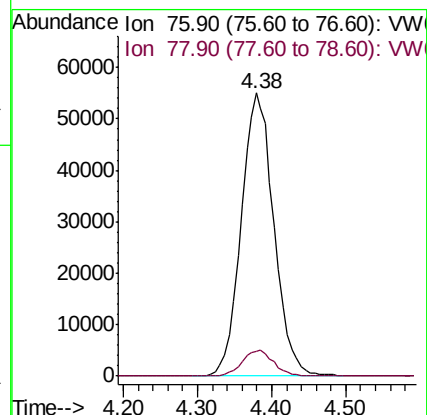
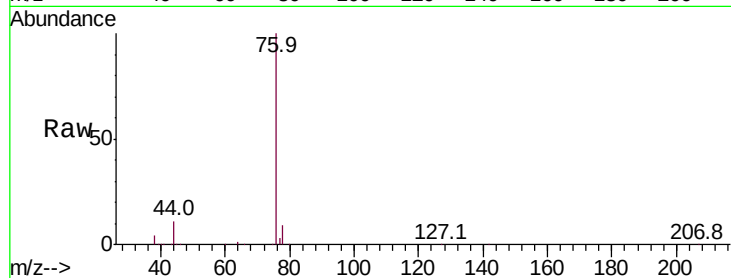
ClientSampled :

Tot Ion: 76 Resp: 168847

Ion Ratio Lower Upper

76 100

78 8.6 7.0 10.4



#18

Methyl Acetate

Concen: 21.799 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013434.D

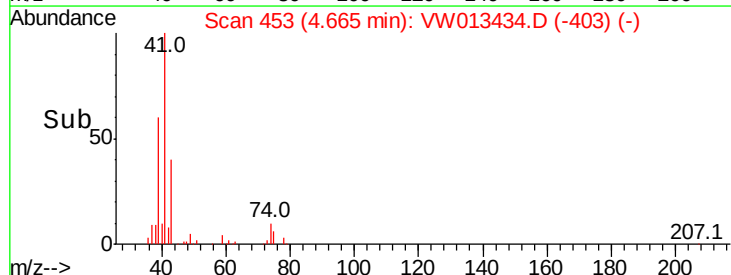
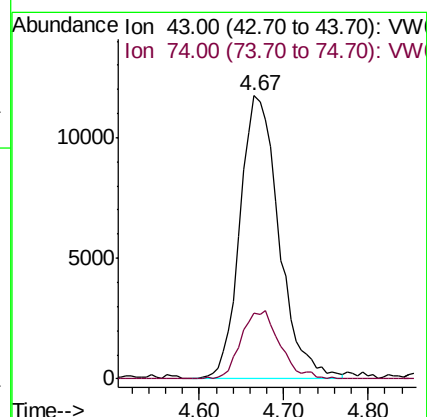
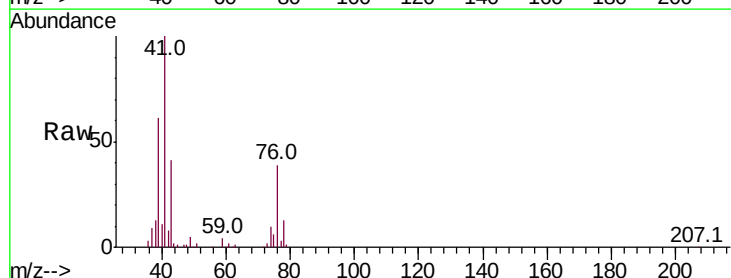
Acq: 04 Oct 2019 13:09

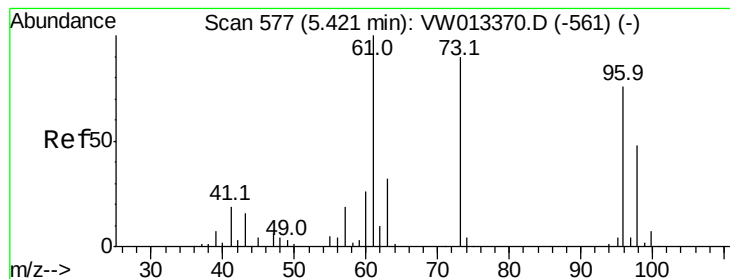
Tgt Ion: 43 Resp: 36937

Ion Ratio Lower Upper

43 100

74 23.7 19.3 28.9





#19

Methyl tert-butyl Ether

Concen: 20.909 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW013434.D

Acq: 04 Oct 2019 13:09

Instrument :

MSVOA_W

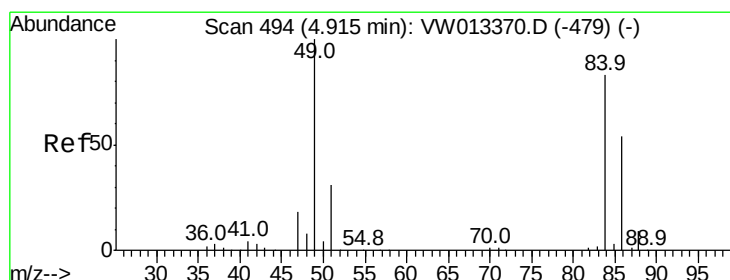
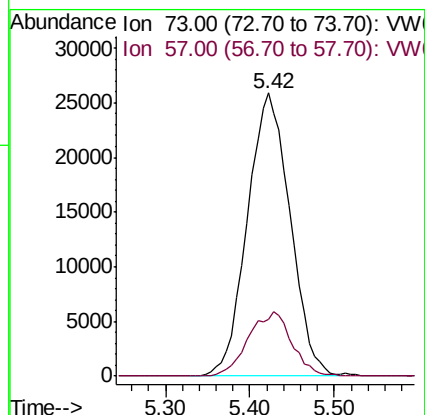
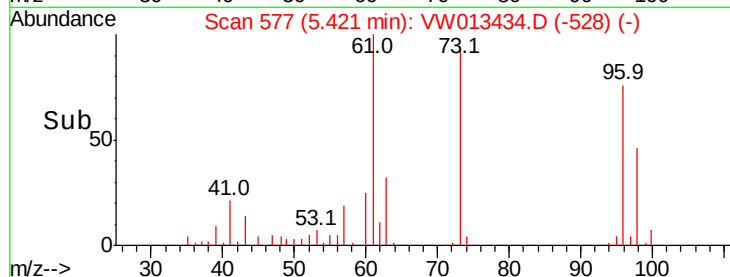
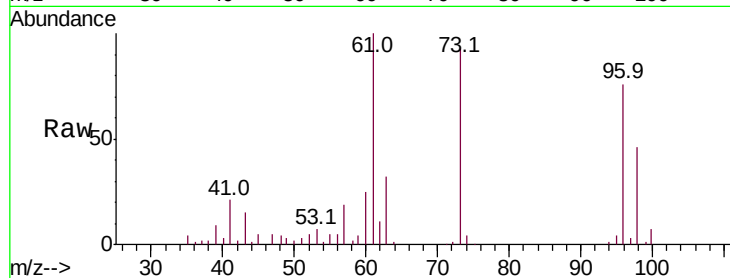
ClientSampled :

Tot Ion: 73 Resp: 89607

Ion Ratio Lower Upper

73 100

57 20.0 17.6 26.4



#20

Methylene Chloride

Concen: 20.915 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW013434.D

Acq: 04 Oct 2019 13:09

Tgt Ion: 84 Resp: 66358

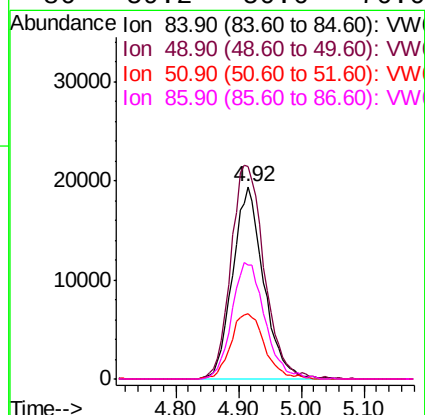
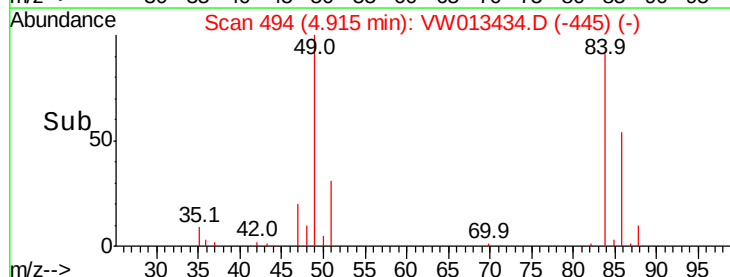
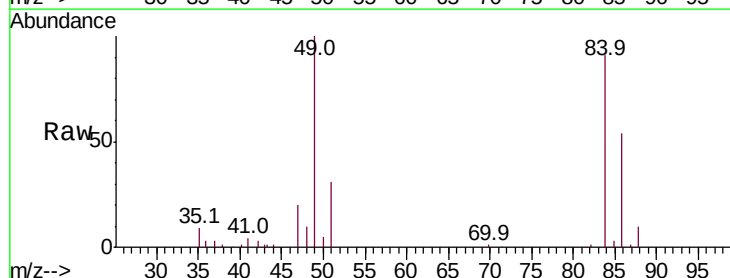
Ion Ratio Lower Upper

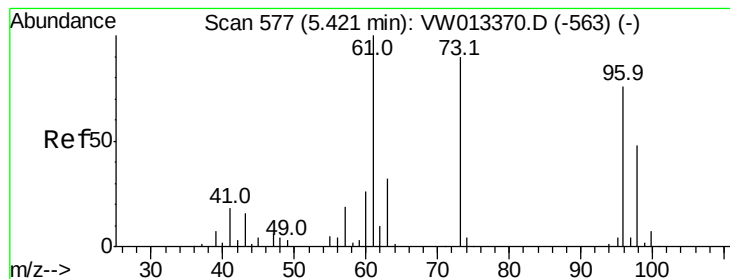
84 100

49 110.4 97.6 146.4

51 34.1 30.2 45.2

86 59.2 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 20.164 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW013434.D

Acq: 04 Oct 2019 13:09

Instrument :
MSVOA_W
ClientSampled :

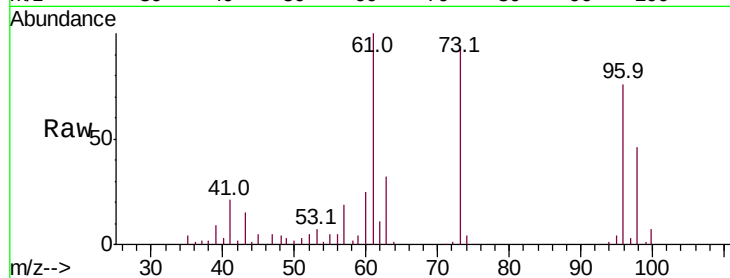
Tot Ion: 96 Resp: 62529

Ion Ratio Lower Upper

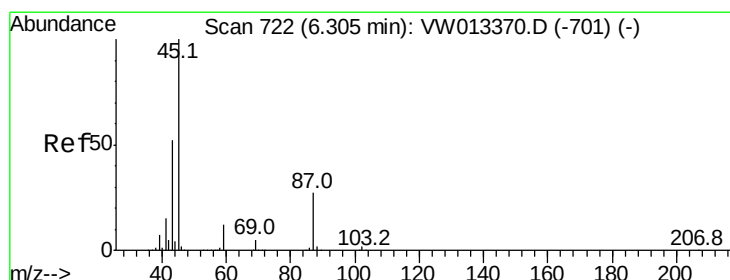
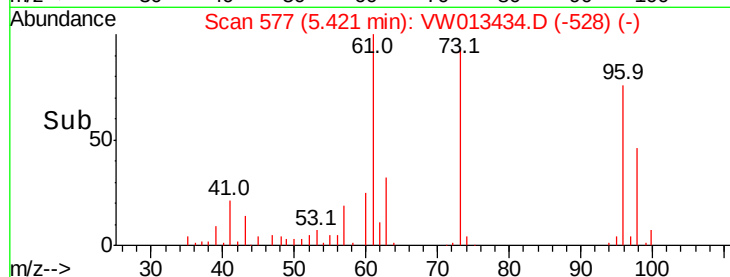
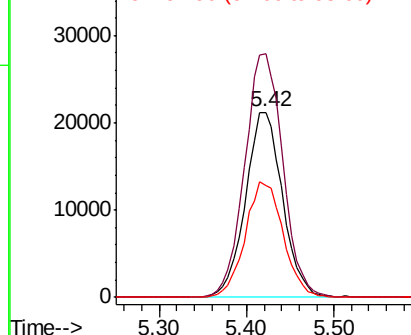
96 100

61 131.7 106.6 159.8

98 60.6 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: 20.628 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW013434.D

Acq: 04 Oct 2019 13:09

Tgt Ion: 45 Resp: 171597

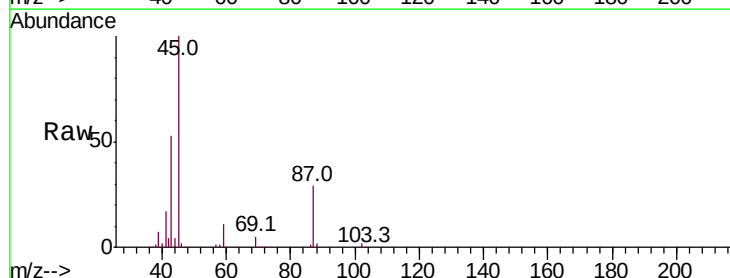
Ion Ratio Lower Upper

45 100

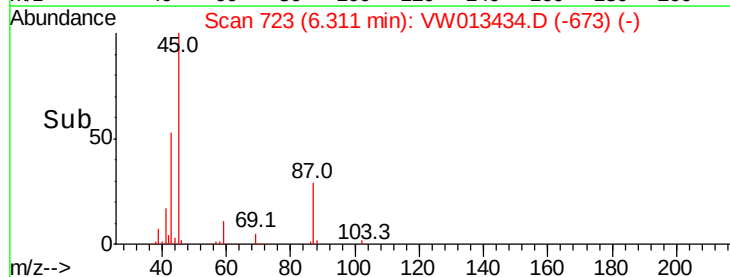
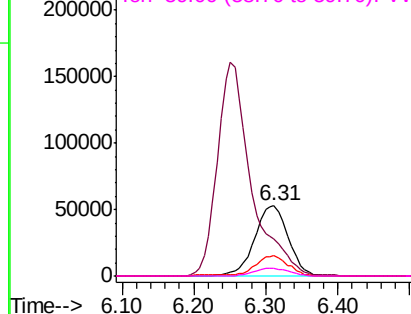
43 52.0 42.4 63.6

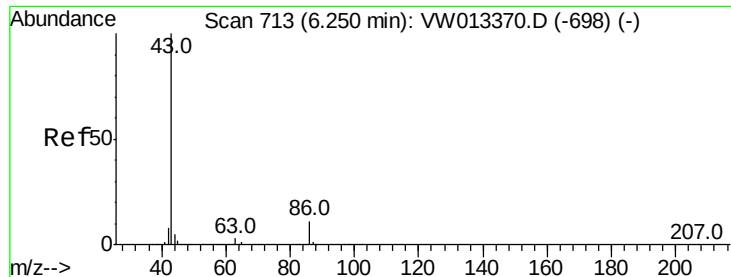
87 28.8 20.4 30.6

59 11.1 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: 105.545 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013434.D

Acq: 04 Oct 2019 13:09

Instrument :

MSVOA_W

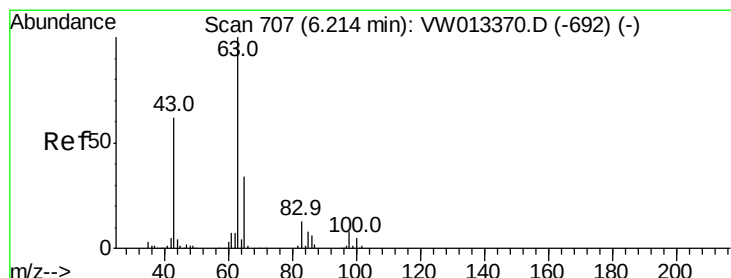
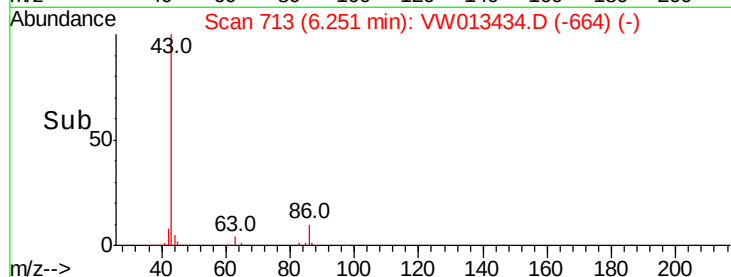
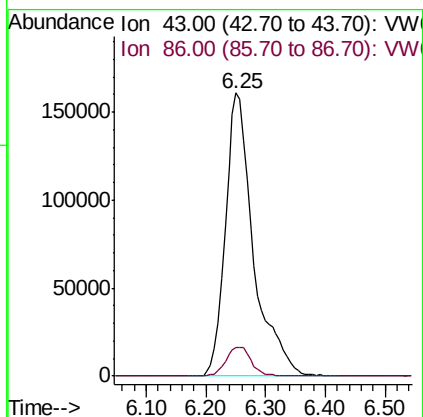
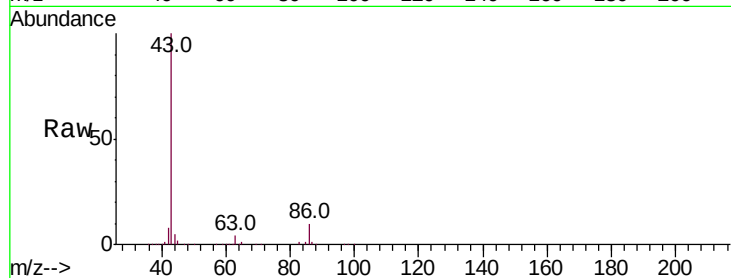
ClientSampleId :

Tot Ion: 43 Resp: 526838

Ion Ratio Lower Upper

43 100

86 10.0 8.3 12.5



#24

1,1-Dichloroethane

Concen: 20.333 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW013434.D

Acq: 04 Oct 2019 13:09

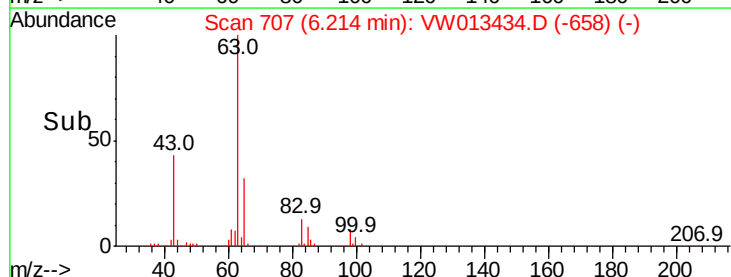
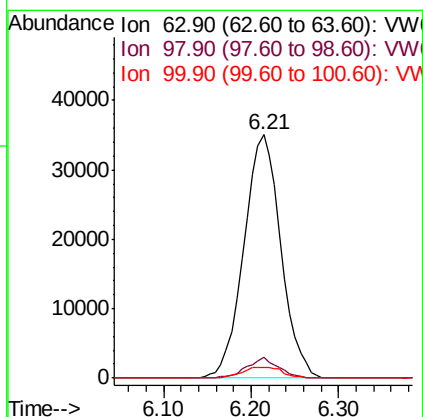
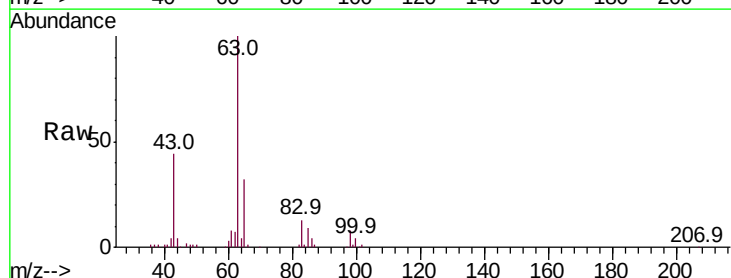
Tgt Ion: 63 Resp: 103026

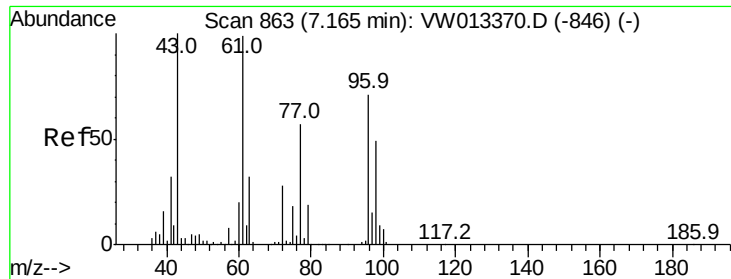
Ion Ratio Lower Upper

63 100

98 8.4 3.5 10.5

100 4.4 2.4 7.1





#25

2-Butanone

Concen: 99.014 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013434.D

Acq: 04 Oct 2019 13:09

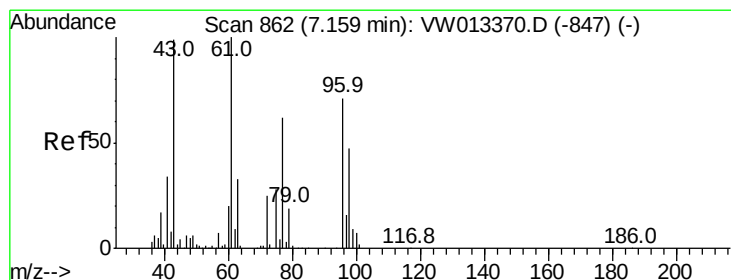
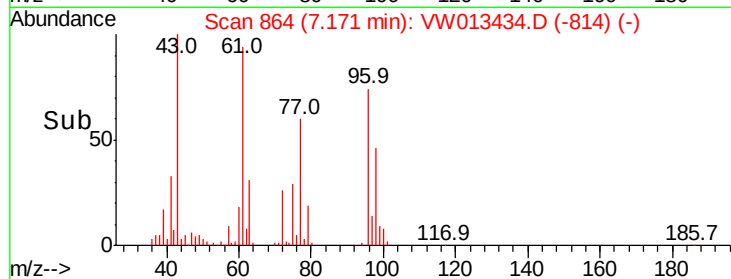
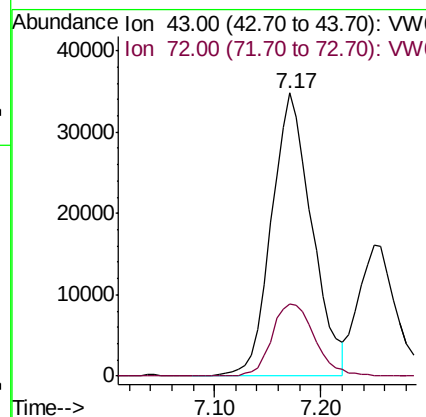
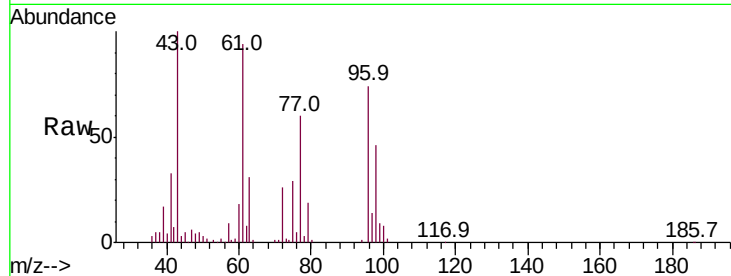
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 91722

Ion Ratio Lower Upper

43 100

72 25.7 19.4 29.0



#26

2,2-Dichloropropane

Concen: 21.669 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW013434.D

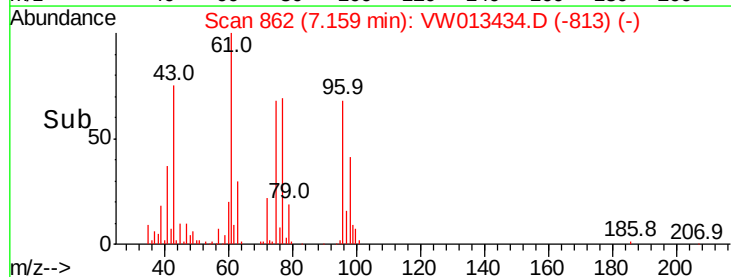
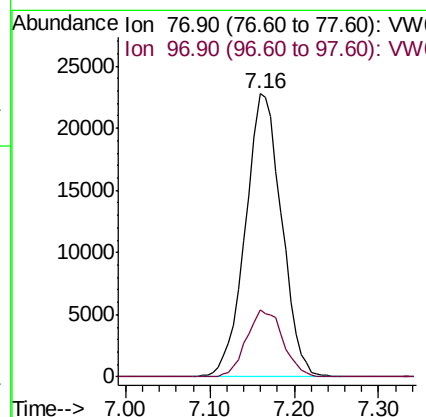
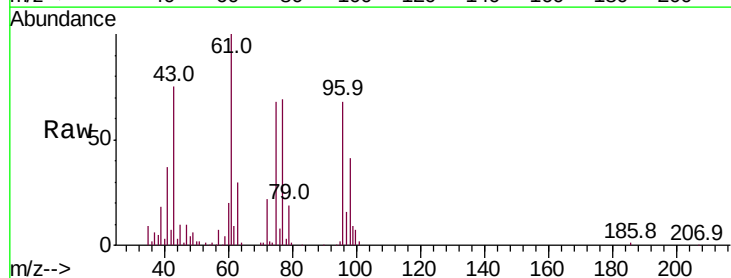
Acq: 04 Oct 2019 13:09

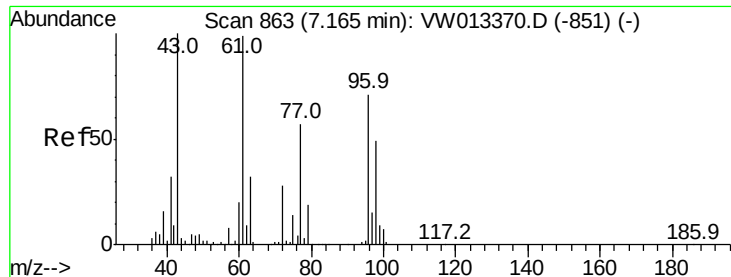
Tgt Ion: 77 Resp: 66283

Ion Ratio Lower Upper

77 100

97 23.8 11.8 35.4



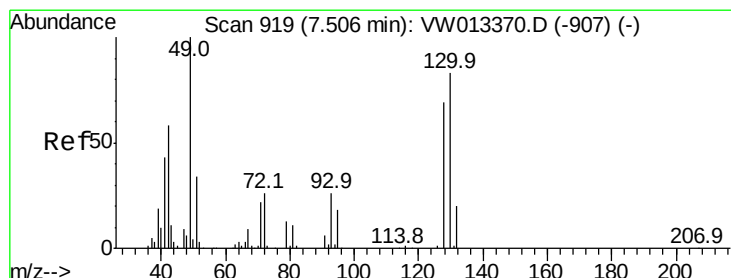
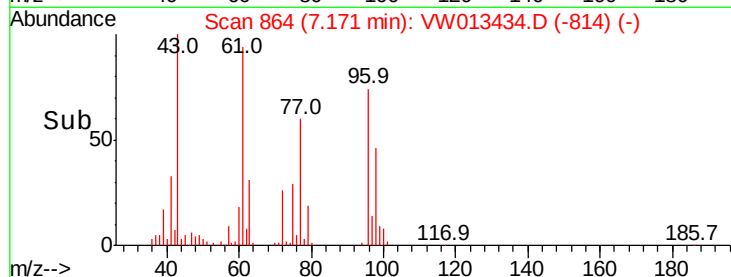
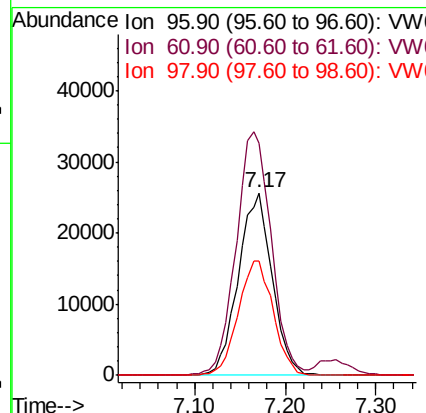
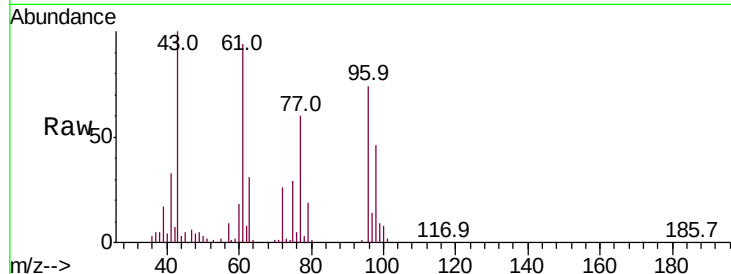


#27

cis-1,2-Dichloroethene
Concen: 20.339 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW013434.D
Acq: 04 Oct 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :

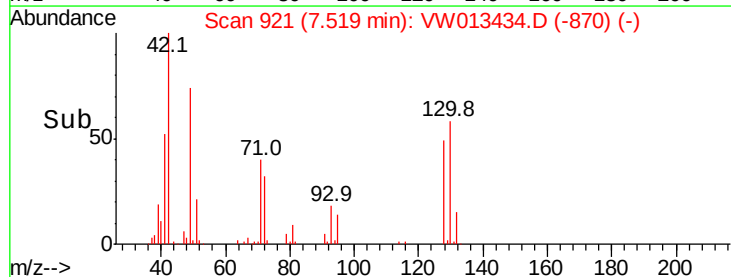
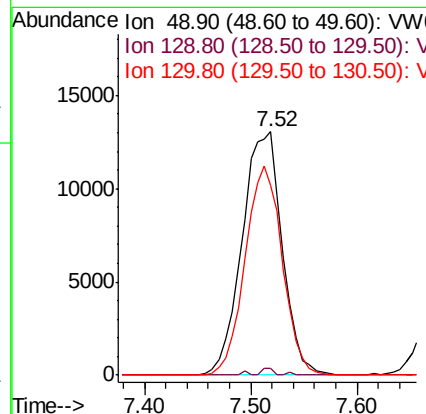
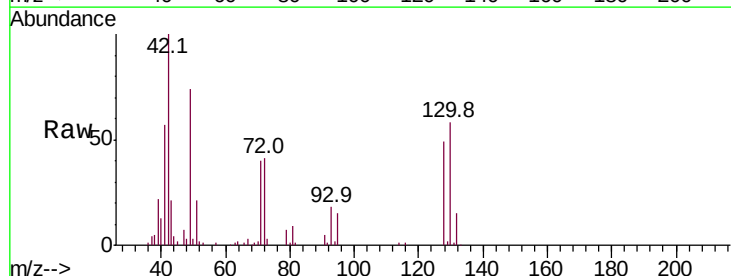
Tot Ion	Ratio	Lower	Upper
96	100		
61	139.2	0.0	282.4
98	64.8	0.0	128.2

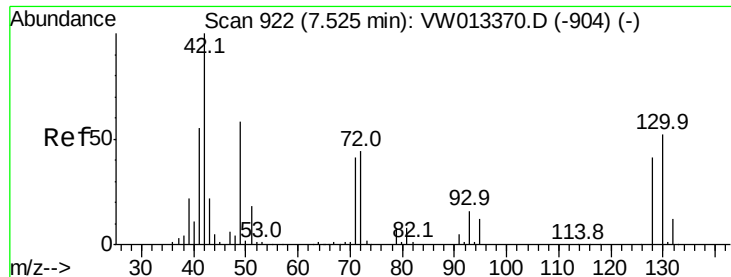


#28

Bromochloromethane
Concen: 18.814 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW013434.D
Acq: 04 Oct 2019 13:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	1.0
130	79.9	63.4	95.2

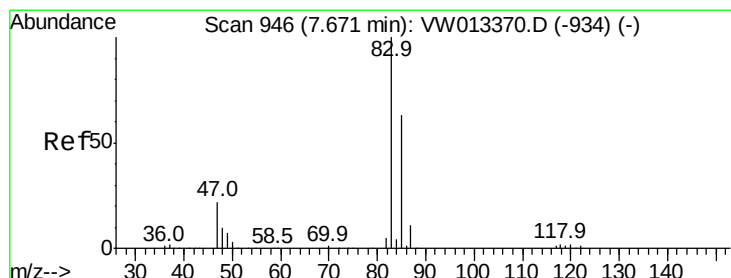
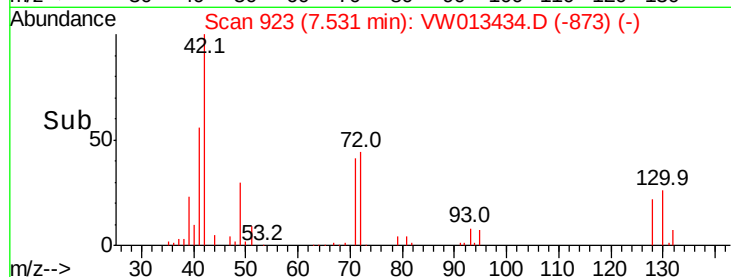
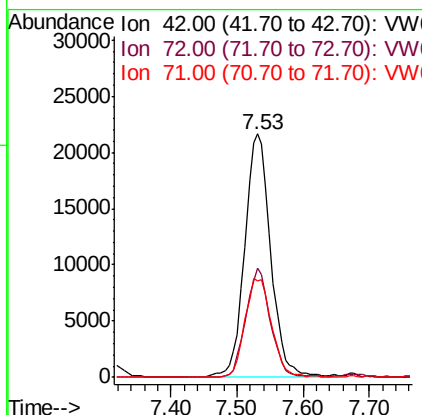
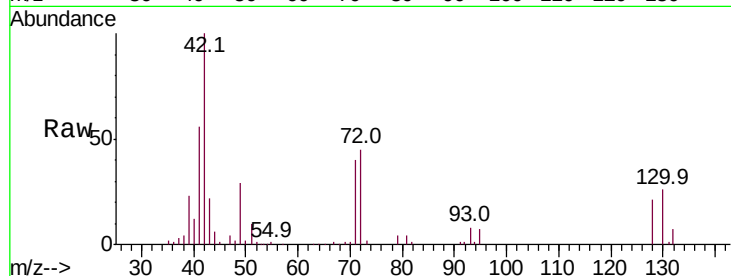




#29
Tetrahydrofuran
Concen: 115.750 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013434.D
Acq: 04 Oct 2019 13:09

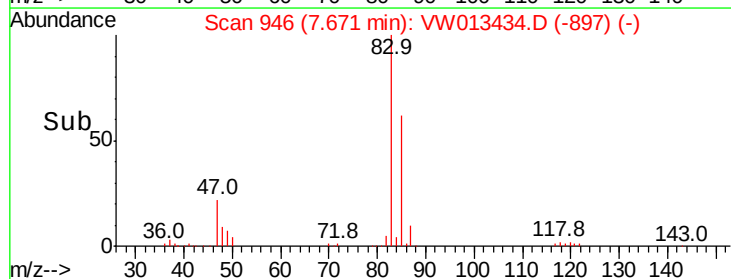
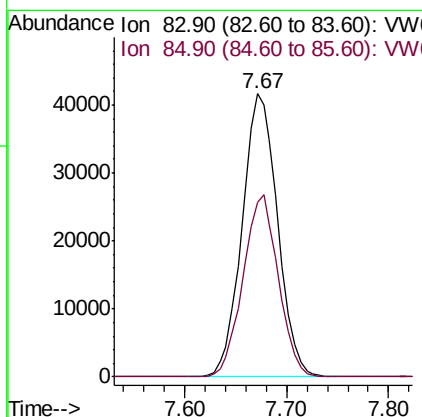
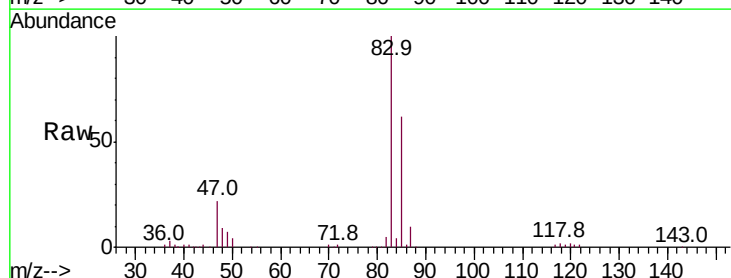
Instrument :
MSVOA_W
ClientSampleId :

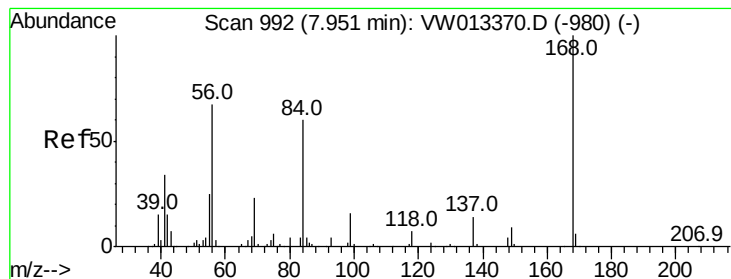
Tot Ion: 42 Resp: 59449
Ion Ratio Lower Upper
42 100
72 42.2 33.9 50.9
71 41.2 31.9 47.9



#30
Chloroform
Concen: 20.233 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013434.D
Acq: 04 Oct 2019 13:09

Tgt Ion: 83 Resp: 100523
Ion Ratio Lower Upper
83 100
85 61.8 52.3 78.5





#31

Cyclohexane

Concen: 20.545 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013434.D

Acq: 04 Oct 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :

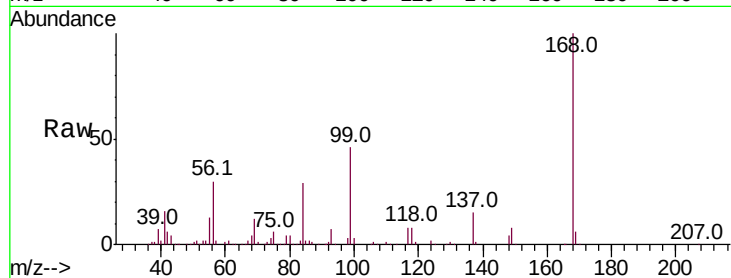
Tot Ion: 56 Resp: 111015

Ion Ratio Lower Upper

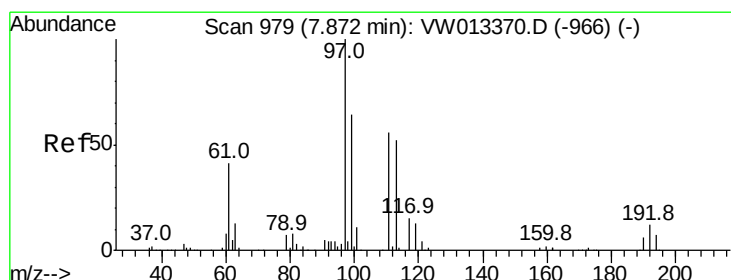
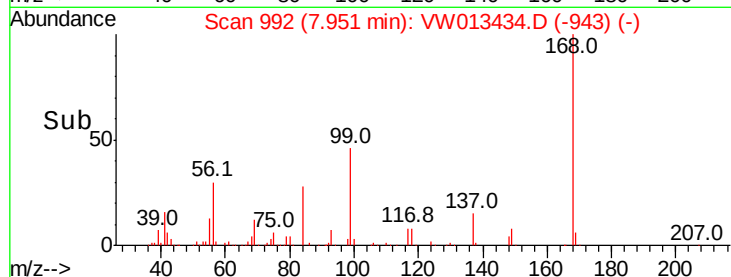
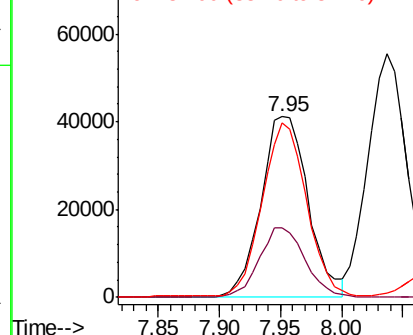
56 100

69 38.6 27.2 40.8

84 95.4 70.8 106.2



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



#32

1,1,1-Trichloroethane

Concen: 21.030 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW013434.D

Acq: 04 Oct 2019 13:09

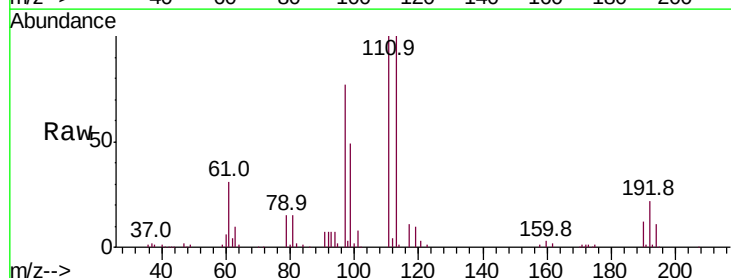
Tgt Ion: 97 Resp: 81857

Ion Ratio Lower Upper

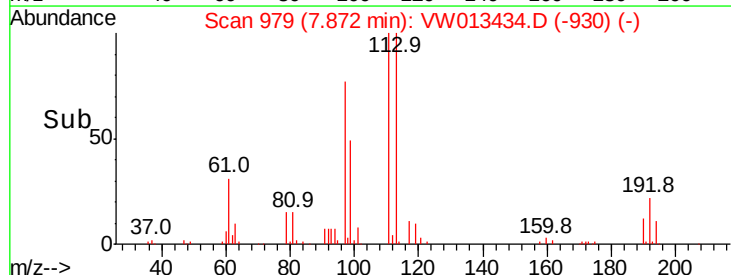
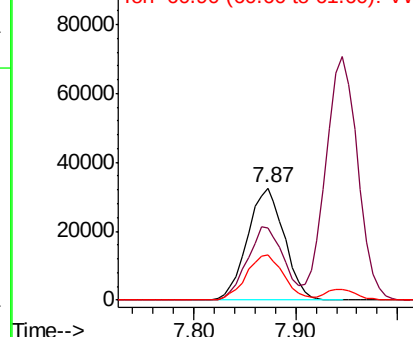
97 100

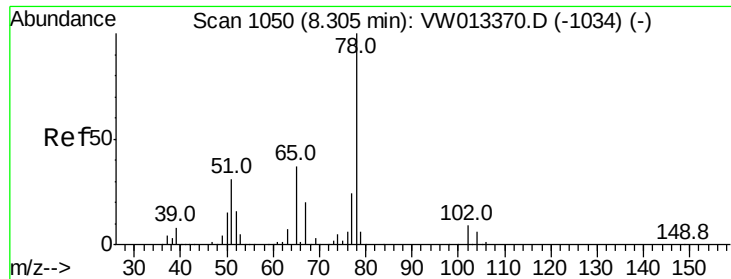
99 63.7 51.7 77.5

61 41.6 34.6 51.8



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

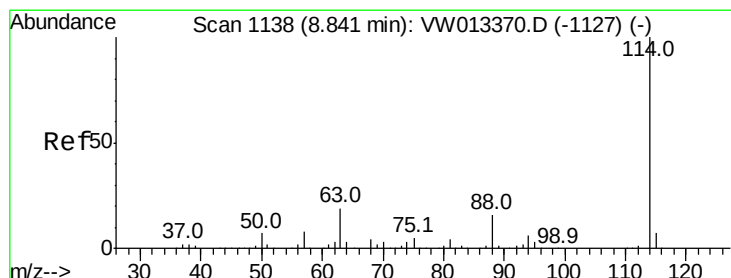
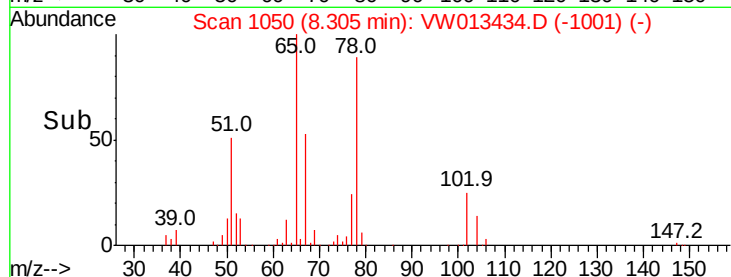
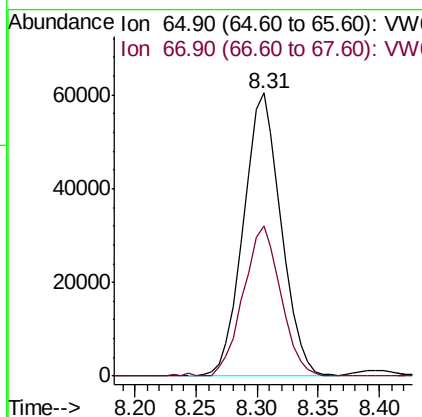
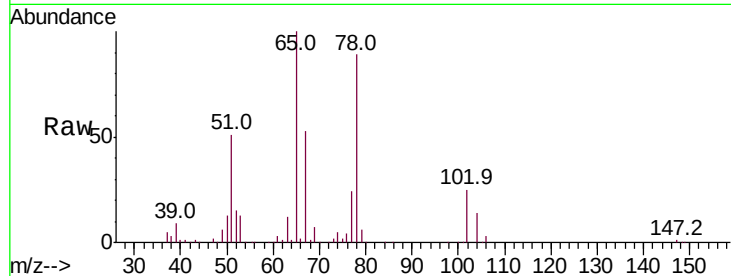




#33
 1,2-Dichloroethane-d4
 Concen: 54.774 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013434.D
 Acq: 04 Oct 2019 13:09

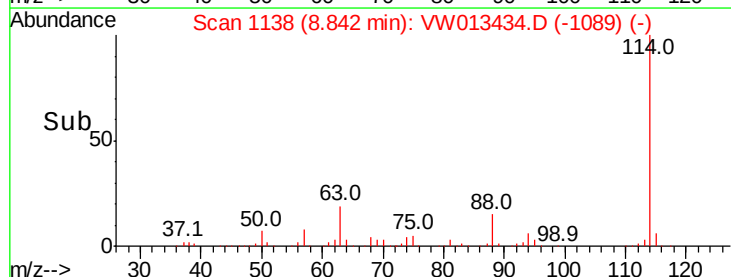
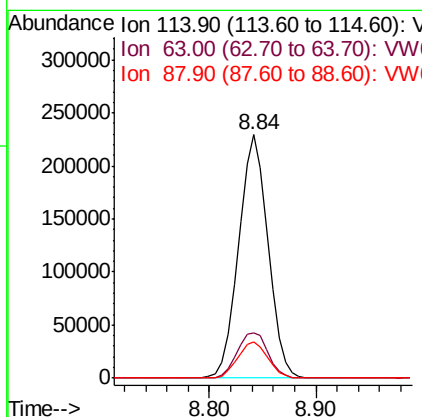
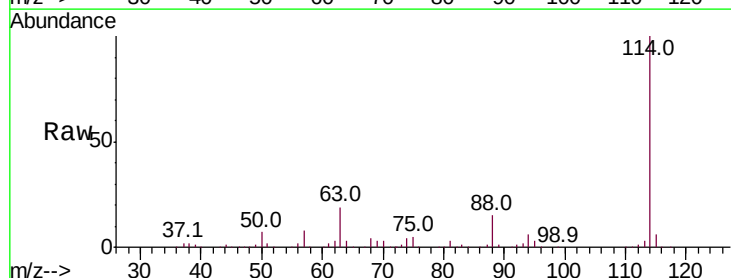
Instrument :
 MSVOA_W
 ClientSampleId :

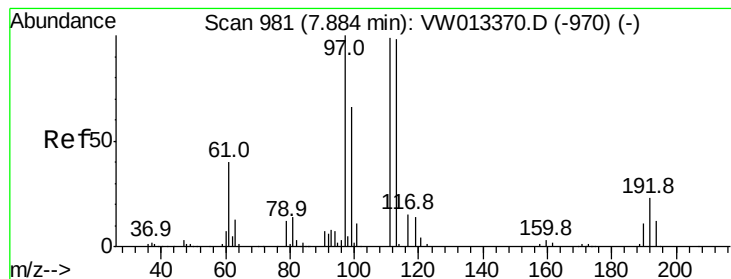
Tot Ion: 65 Resp: 129368
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013434.D
 Acq: 04 Oct 2019 13:09

Tgt Ion: 114 Resp: 443991
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 41.4
 88 14.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 55.828 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW013434.D

Acq: 04 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

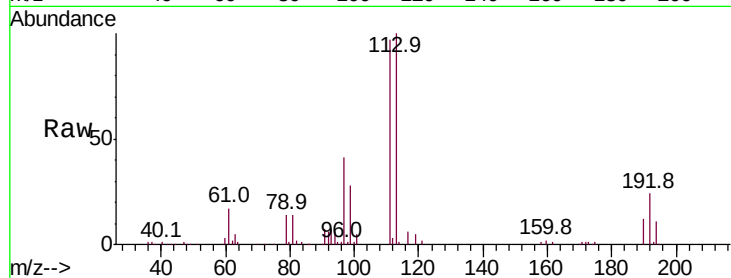
Tot Ion:113 Resp: 130064

Ion Ratio Lower Upper

113 100

111 100.9 81.9 122.9

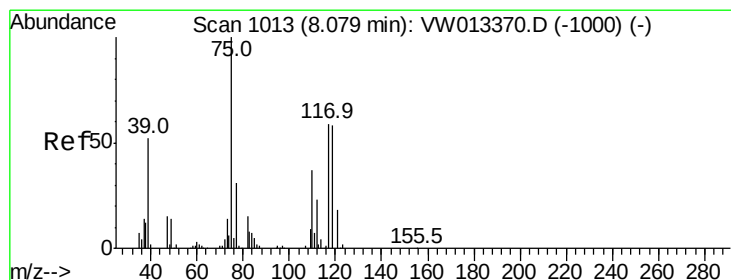
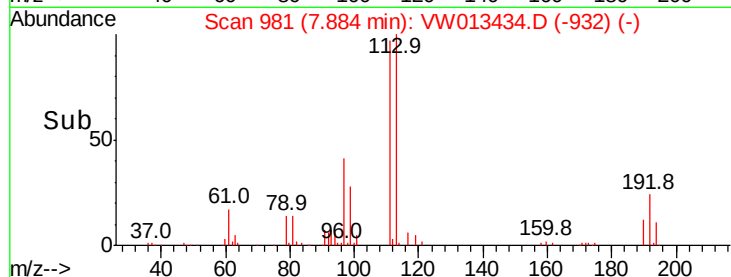
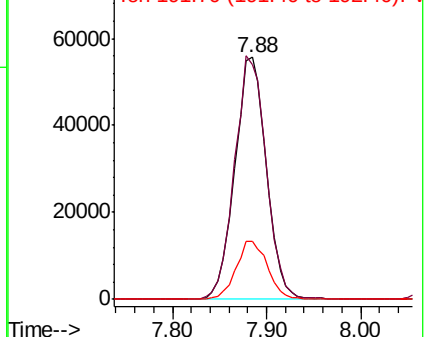
192 23.8 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 21.261 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW013434.D

Acq: 04 Oct 2019 13:09

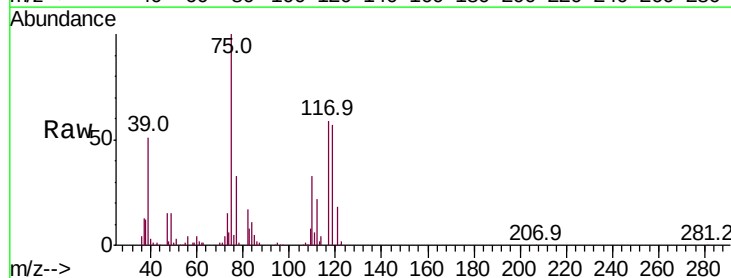
Tgt Ion: 75 Resp: 87678

Ion Ratio Lower Upper

75 100

110 35.2 18.1 54.3

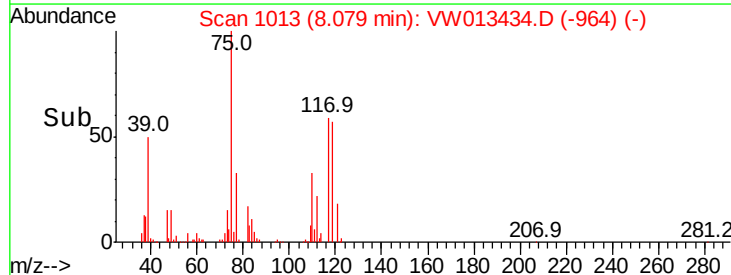
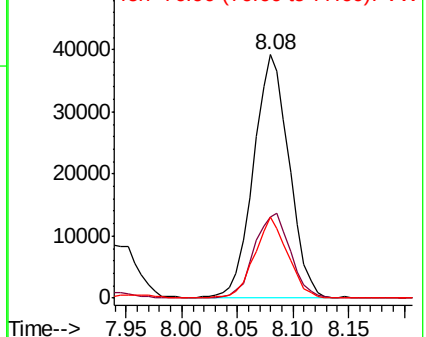
77 30.9 25.8 38.6

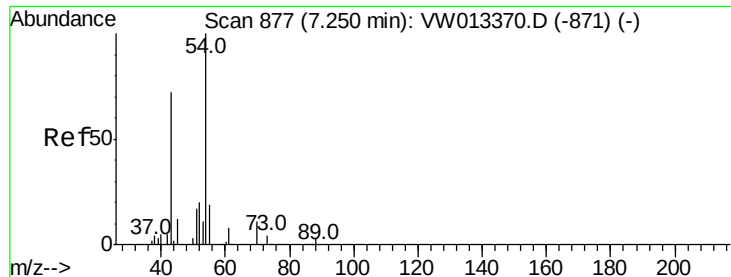


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

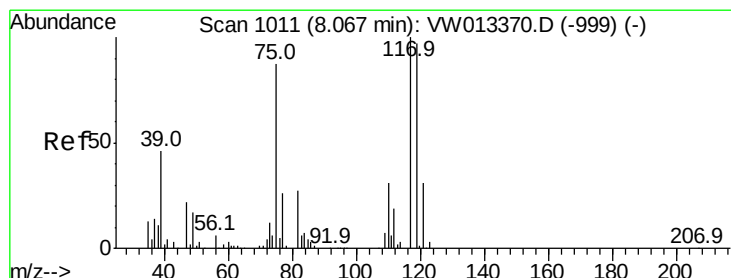
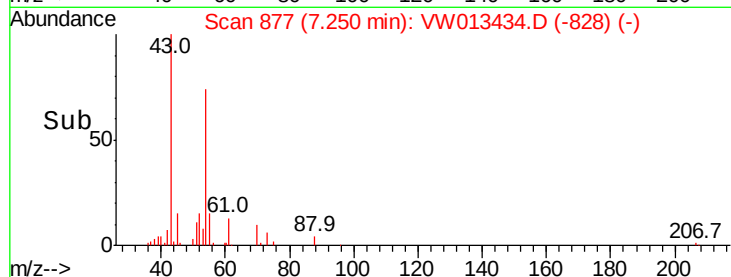
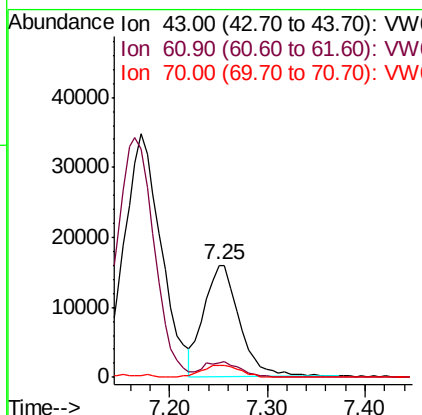
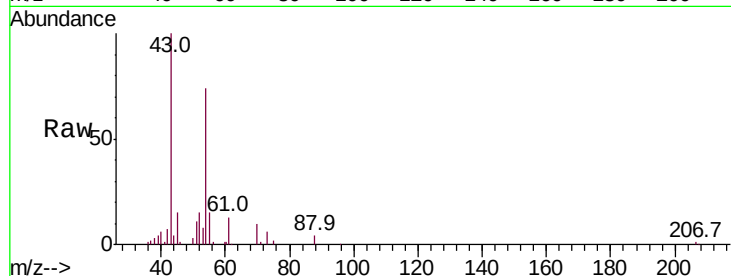




#37
Ethyl Acetate
Concen: 22.267 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013434.D
Acq: 04 Oct 2019 13:09

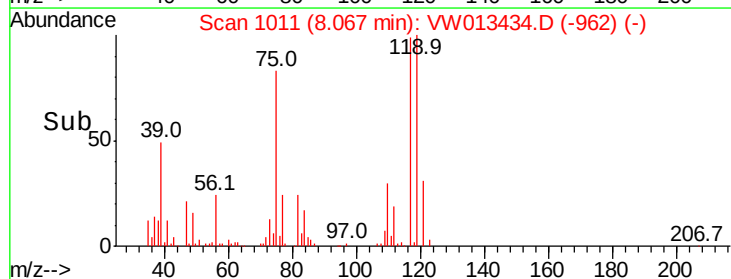
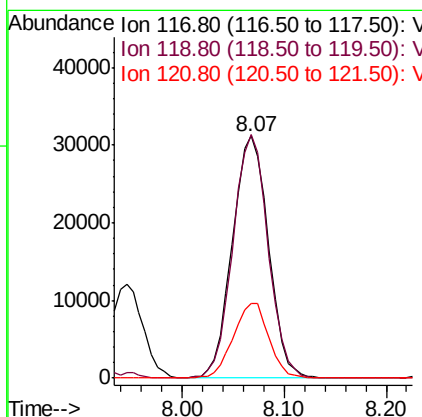
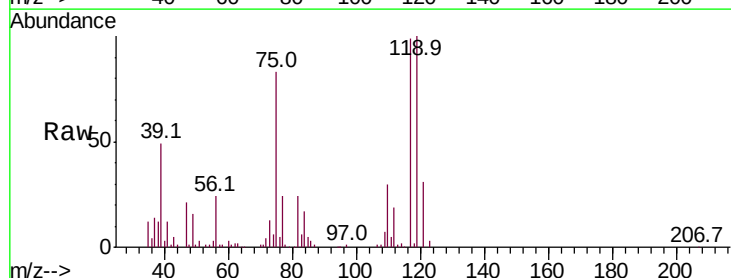
Instrument :
MSVOA_W
ClientSampleId :

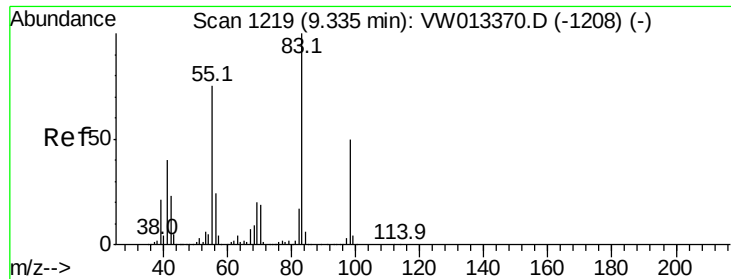
Tot Ion: 43 Resp: 40374
Ion Ratio Lower Upper
43 100
61 14.5 10.9 16.3
70 11.5 8.2 12.2



#38
Carbon Tetrachloride
Concen: 21.405 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013434.D
Acq: 04 Oct 2019 13:09

Tgt Ion: 117 Resp: 76463
Ion Ratio Lower Upper
117 100
119 100.7 73.5 110.3
121 31.0 25.0 37.6

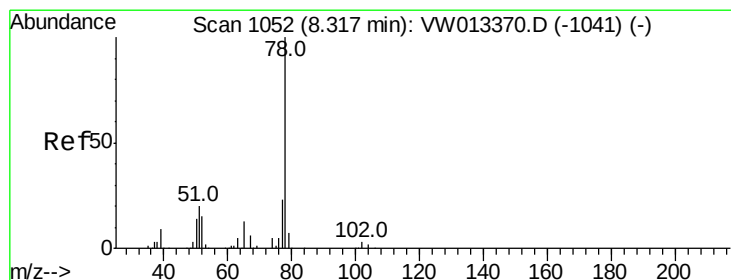
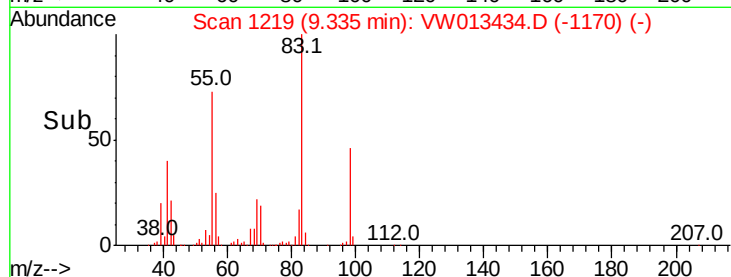
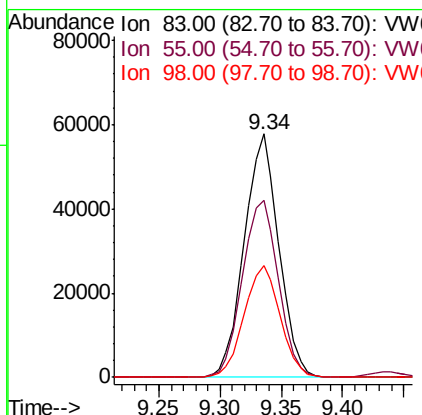
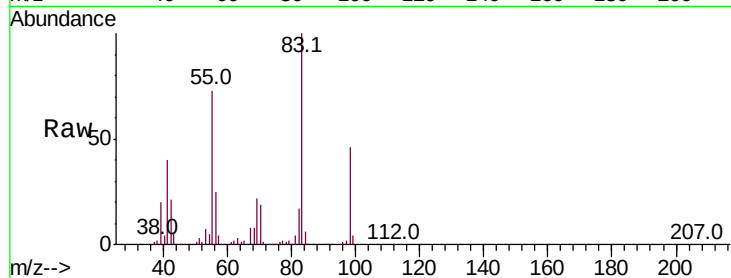




#39
Methylvlcyclohexane
Concen: 20.981 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013434.D
Acq: 04 Oct 2019 13:09

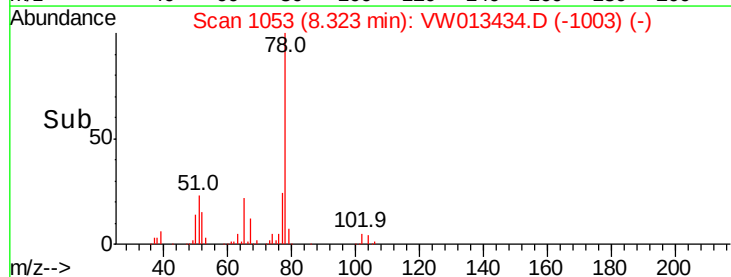
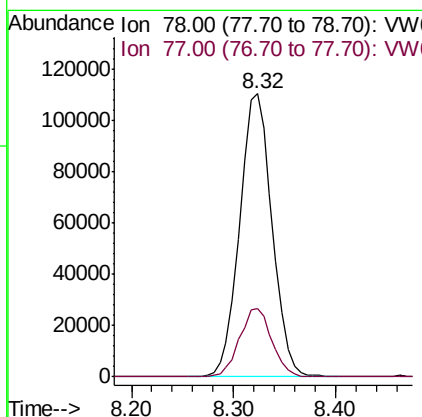
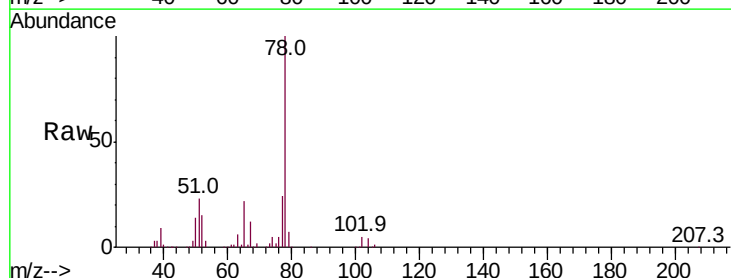
Instrument :
MSVOA_W
ClientSampleId :

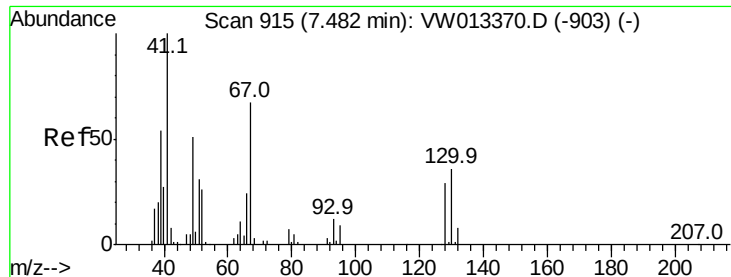
Tot Ion	83	Resp	113950
Ion Ratio	100		
Lower	60.4		
Upper	90.6		
83	72.7	40.0	60.0
55	46.2		
98			



#40
Benzene
Concen: 20.894 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW013434.D
Acq: 04 Oct 2019 13:09

Tgt Ion	78	Resp	243911
Ion Ratio	100		
Lower	19.1		
Upper	28.7		
78	24.1		
77			

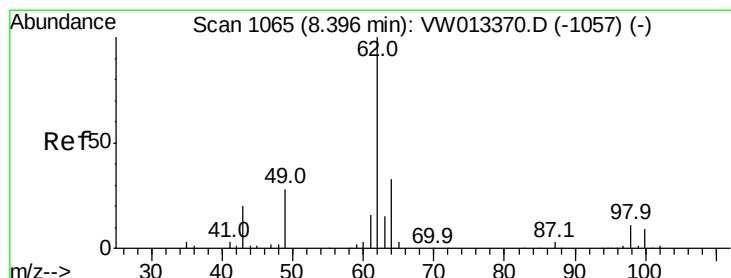
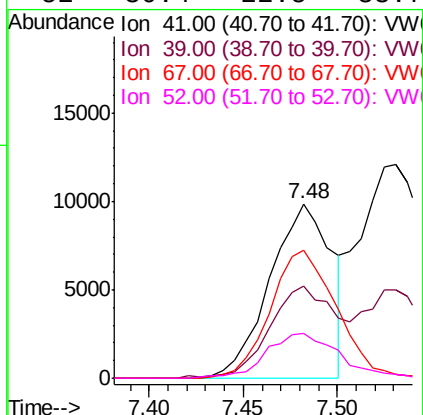
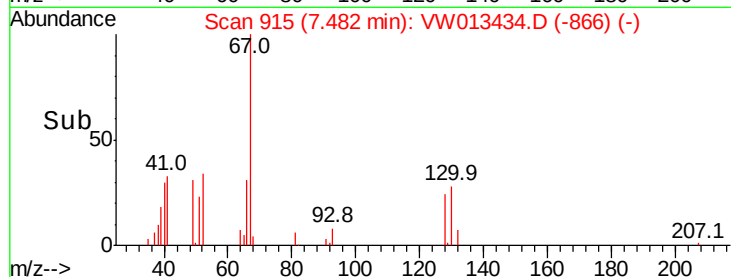
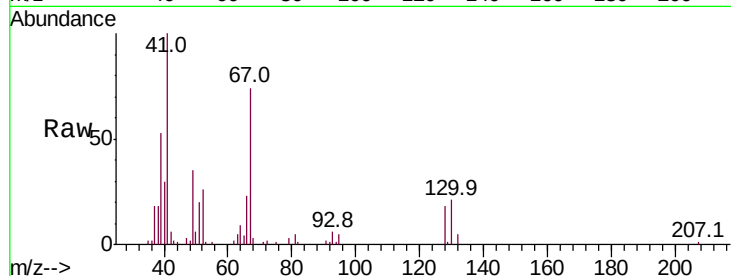




#41
Methacrylonitrile
Concen: 20.484 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW013434.D
Acq: 04 Oct 2019 13:09

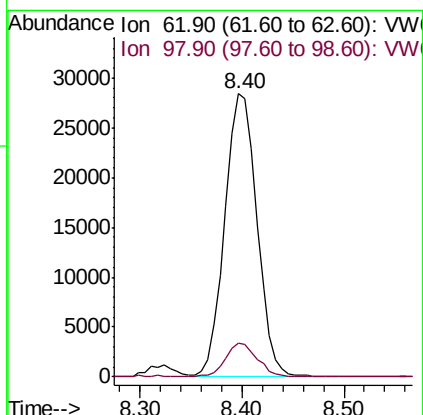
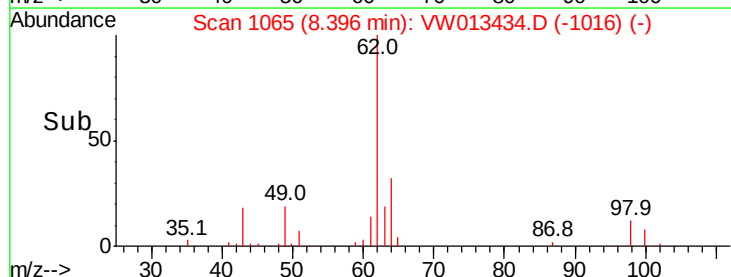
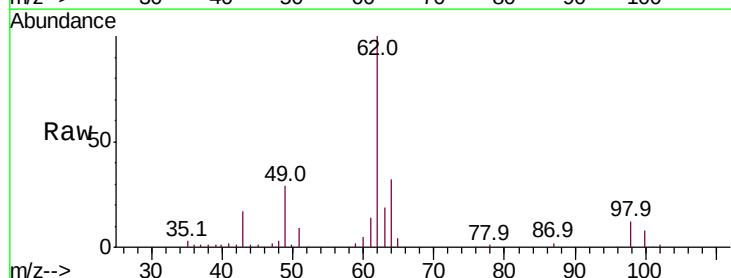
Instrument :
MSVOA_W
ClientSampled :

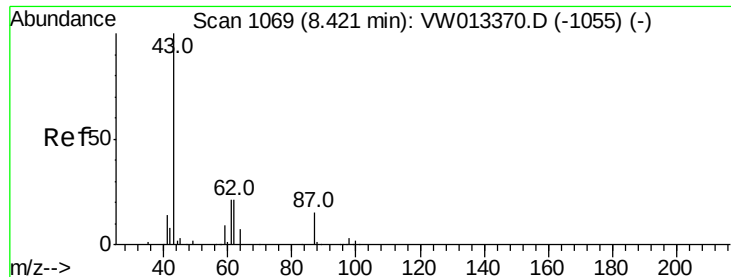
Tot Ion:	41	Resp:	22479
Ion	Ratio	Lower	Upper
41	100		
39	58.0	45.9	68.9
67	78.5	54.5	81.7
52	30.4	22.5	33.7



#42
1,2-Dichloroethane
Concen: 20.782 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013434.D
Acq: 04 Oct 2019 13:09

Tgt Ion:	62	Resp:	62353
Ion	Ratio	Lower	Upper
62	100		
98	11.7	0.0	20.6





#43

Isopropyl Acetate

Concen: 21.286 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013434.D

Acq: 04 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

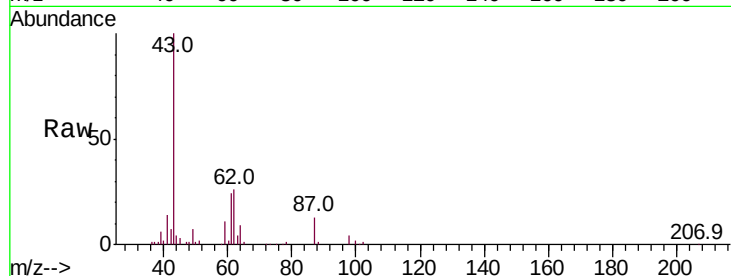
Tot Ion: 43 Resp: 72914

Ion Ratio Lower Upper

43 100

61 31.7 25.5 38.3

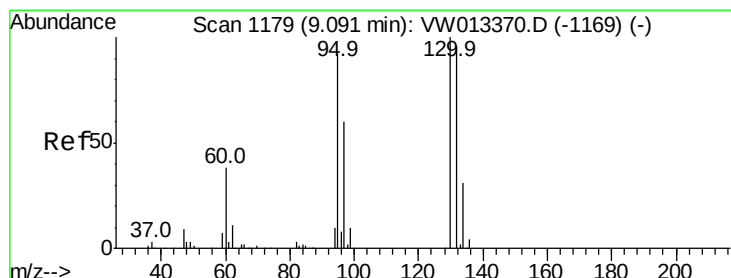
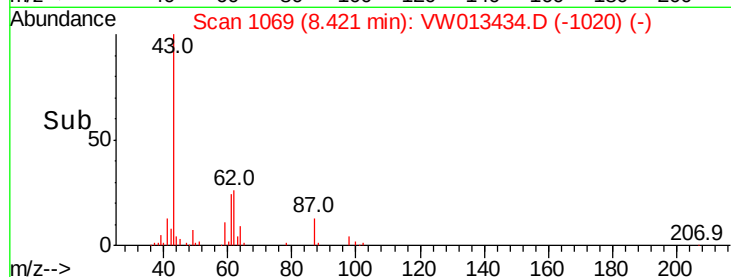
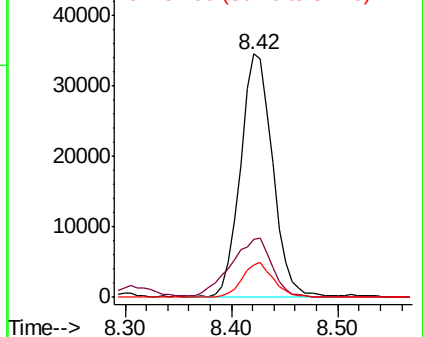
87 13.9 11.0 16.4



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: 21.494 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW013434.D

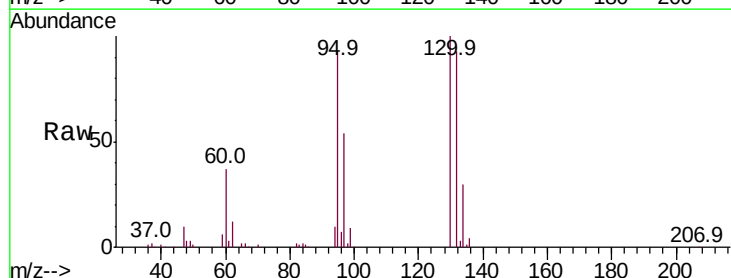
Acq: 04 Oct 2019 13:09

Tgt Ion: 130 Resp: 70659

Ion Ratio Lower Upper

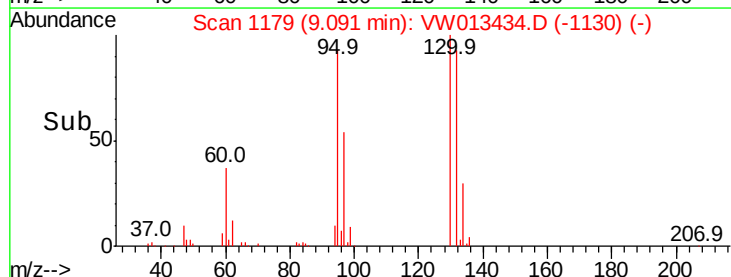
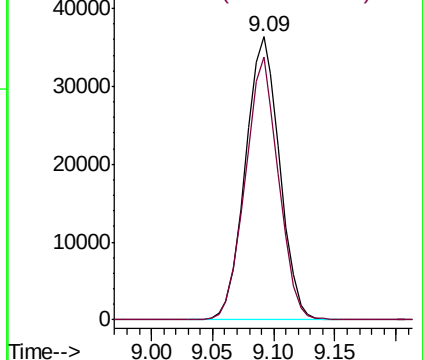
130 100

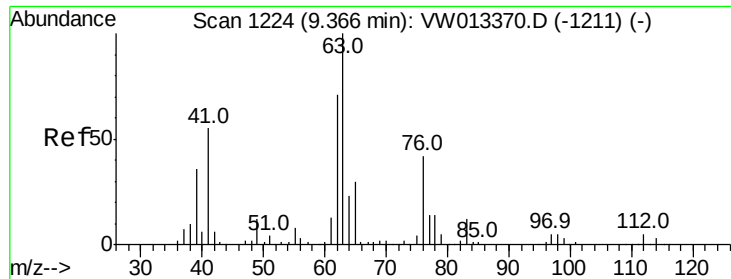
95 93.0 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

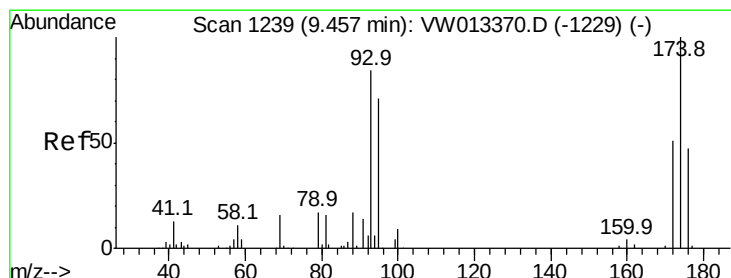
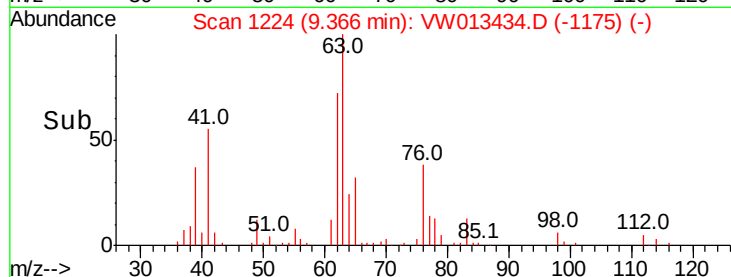
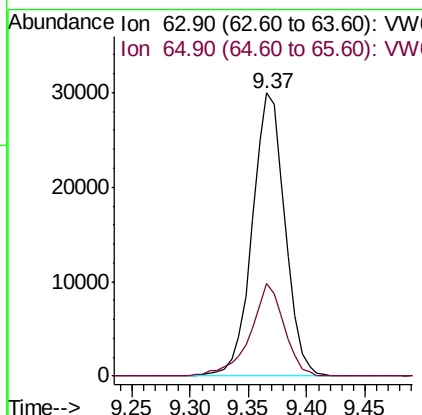
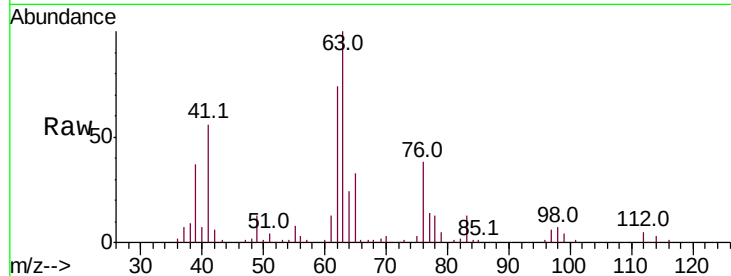




#45
 1,2-Dichloropropane
 Concen: 20.947 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013434.D
 Acq: 04 Oct 2019 13:09

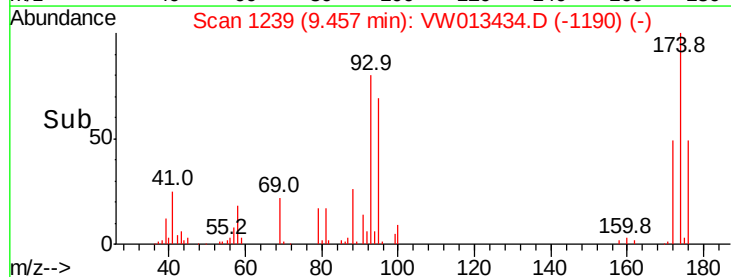
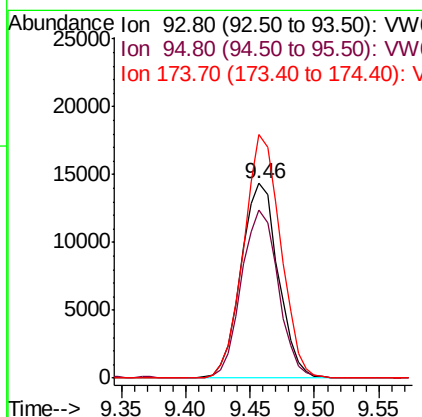
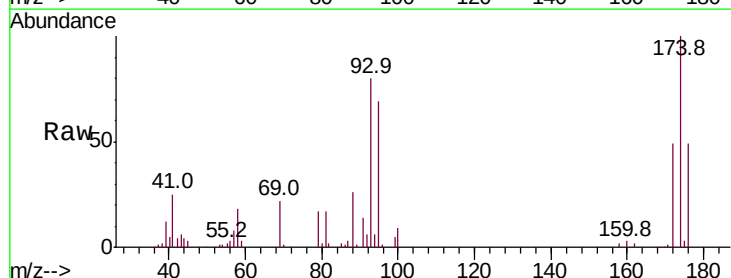
Instrument :
 MSVOA_W
 ClientSampled :

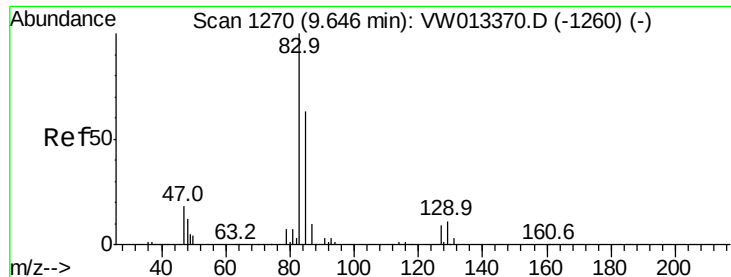
Tot Ion: 63 Resp: 58710
 Ion Ratio Lower Upper
 63 100
 65 32.8 25.3 37.9



#46
 Dibromomethane
 Concen: 20.571 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW013434.D
 Acq: 04 Oct 2019 13:09

Tgt Ion: 93 Resp: 28718
 Ion Ratio Lower Upper
 93 100
 95 85.6 66.4 99.6
 174 123.8 93.0 139.6





#47

Bromodichloromethane

Concen: 20.969 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW013434.D

Acq: 04 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampled :

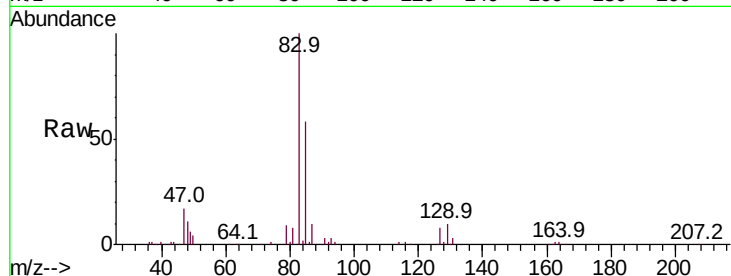
Tot Ion: 83 Resp: 72064

Ion Ratio Lower Upper

83 100

85 58.4 49.4 74.2

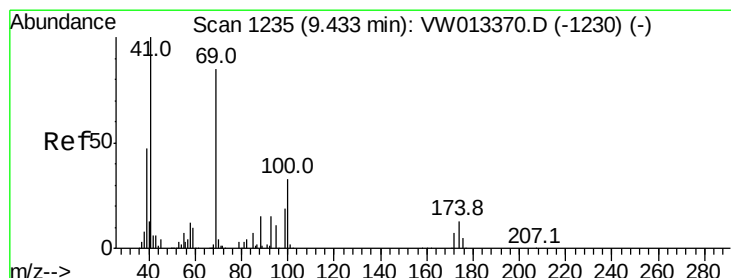
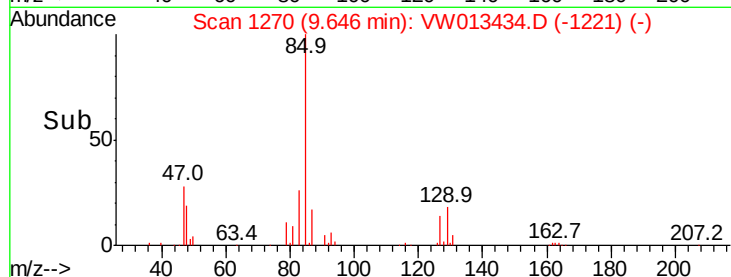
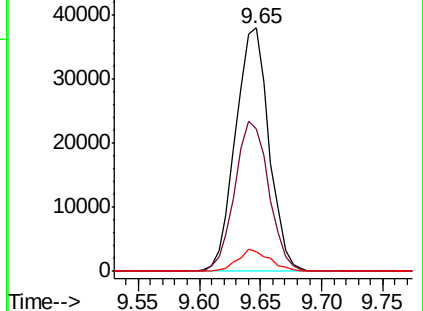
127 8.0 6.5 9.7



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): VW



#48

Methyl methacrylate

Concen: 20.735 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW013434.D

Acq: 04 Oct 2019 13:09

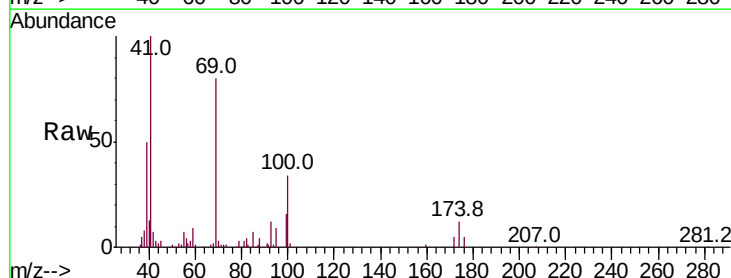
Tgt Ion: 41 Resp: 34127

Ion Ratio Lower Upper

41 100

69 90.2 69.7 104.5

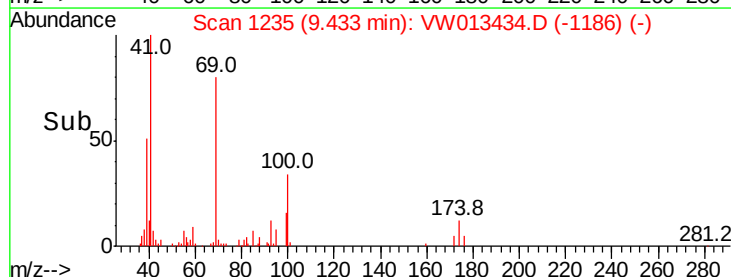
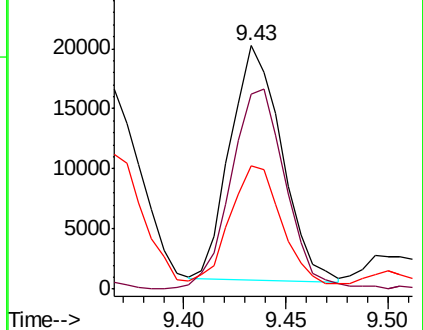
39 55.3 41.1 61.7

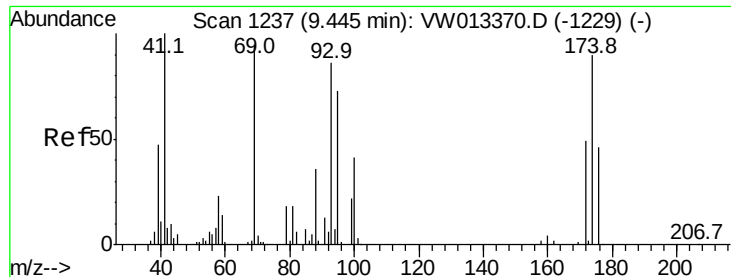


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 512.618 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.02 min

Lab File: VW013434.D

Acq: 04 Oct 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :

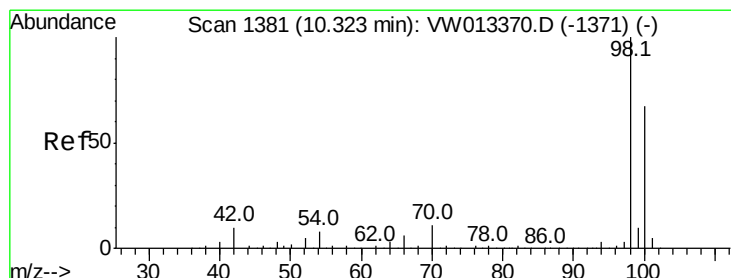
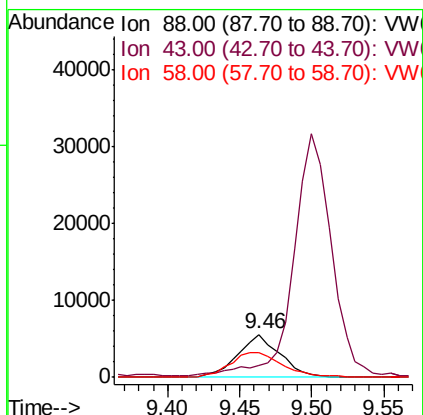
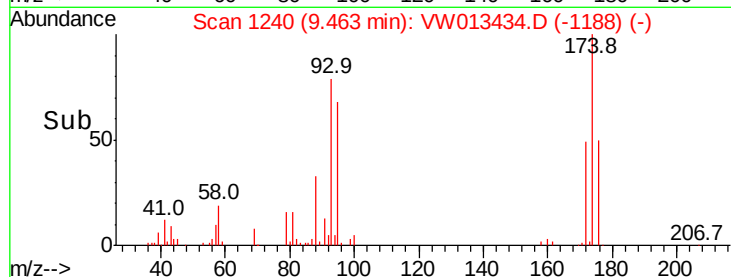
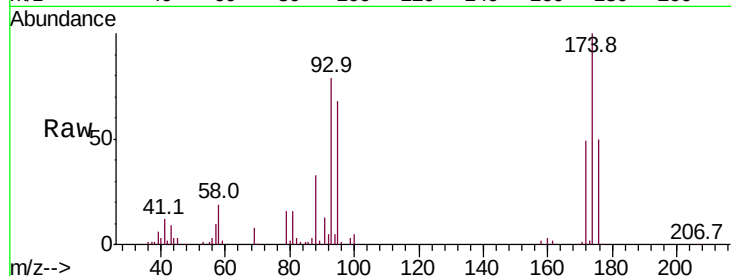
Tot Ion: 88 Resp: 11255

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 73.7 65.4 98.0



#50

Toluene-d8

Concen: 55.872 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013434.D

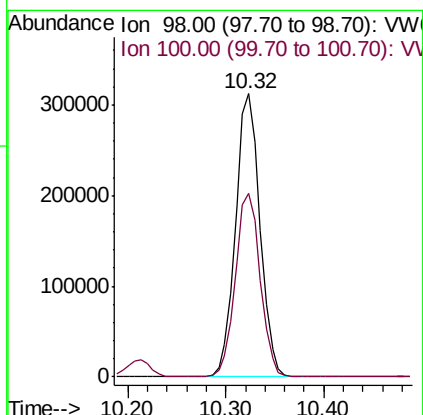
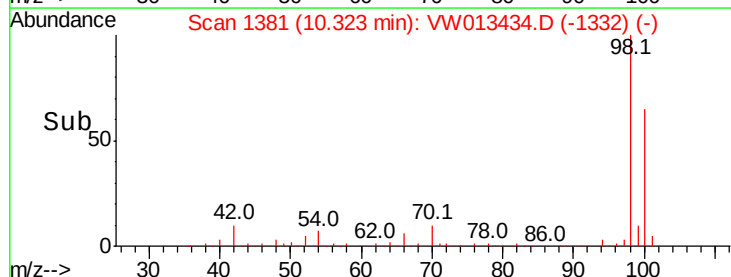
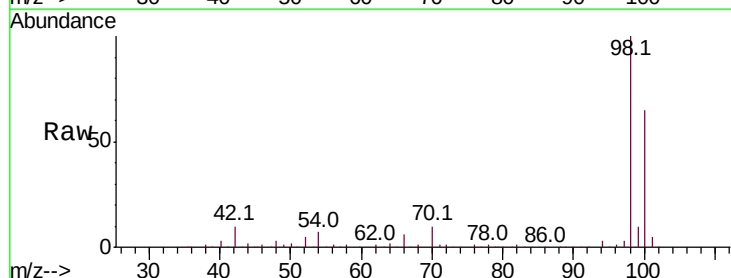
Acq: 04 Oct 2019 13:09

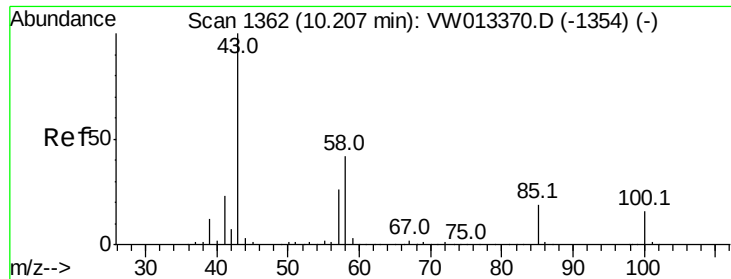
Tgt Ion: 98 Resp: 540165

Ion Ratio Lower Upper

98 100

100 65.8 52.9 79.3

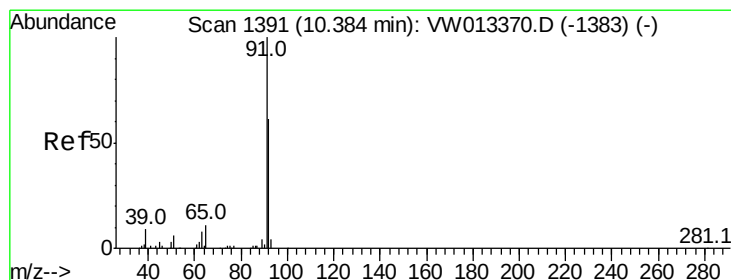
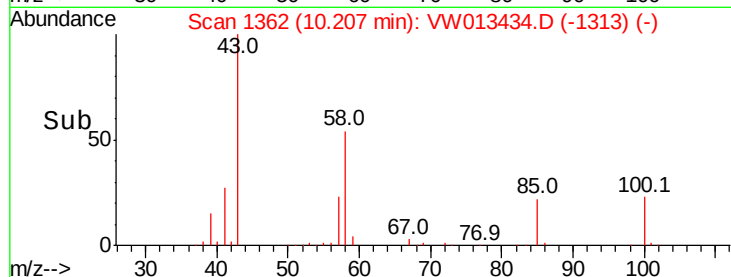
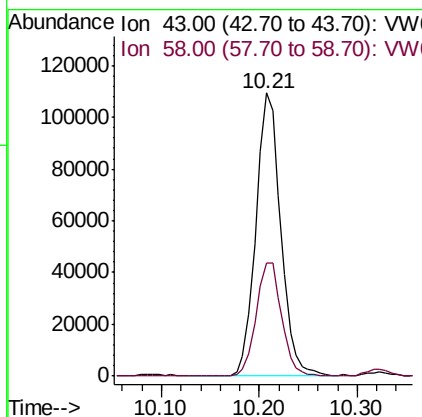
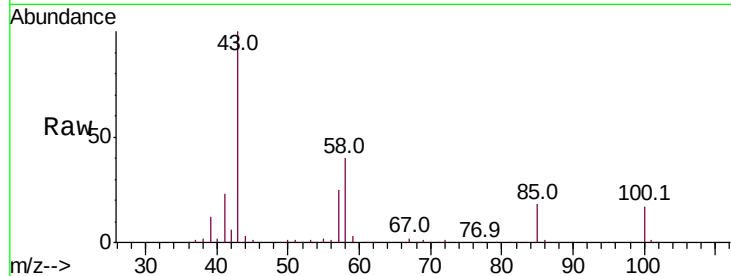




#51
4-Methyl-2-Pentanone
Concen: 107.417 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW013434.D
Acq: 04 Oct 2019 13:09

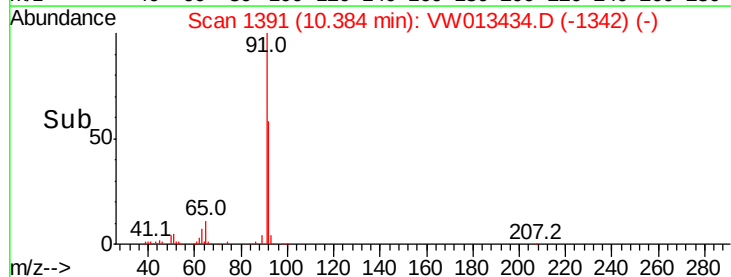
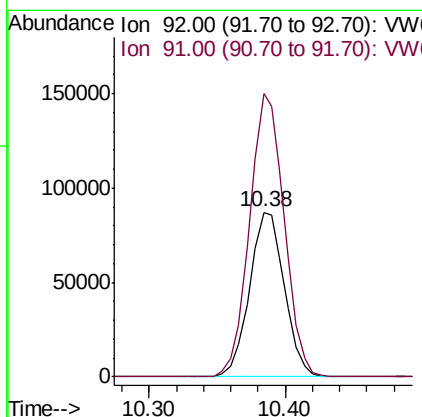
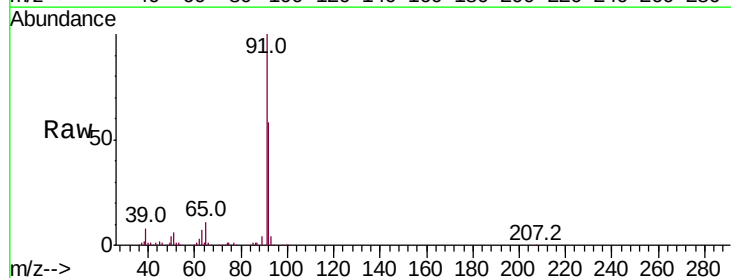
Instrument :
MSVOA_W
ClientSampled :

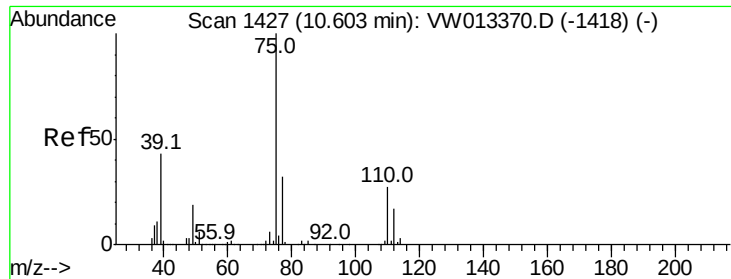
Tot Ion: 43 Resp: 193321
Ion Ratio Lower Upper
43 100
58 41.1 31.7 47.5



#52
Toluene
Concen: 20.808 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW013434.D
Acq: 04 Oct 2019 13:09

Tgt Ion: 92 Resp: 156675
Ion Ratio Lower Upper
92 100
91 171.0 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 21.351 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013434.D

Acq: 04 Oct 2019 13:09

Instrument :

MSVOA_W

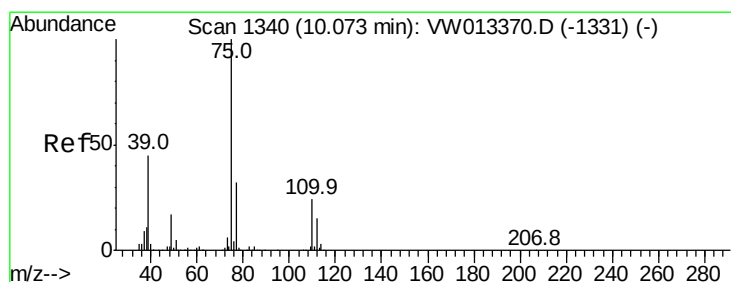
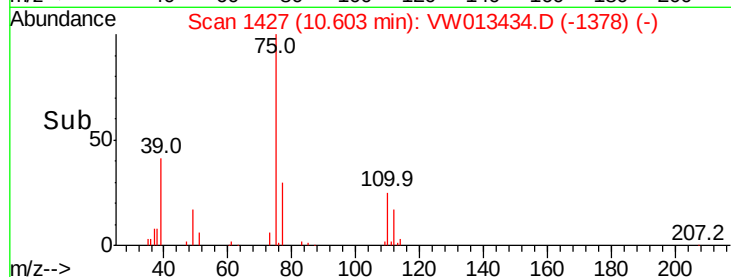
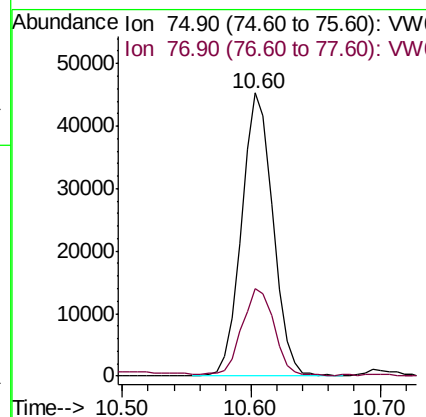
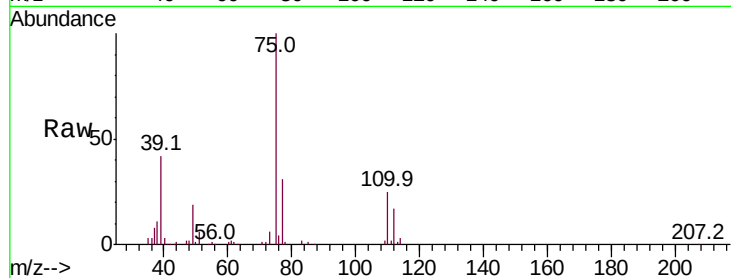
ClientSampled :

Tot Ion: 75 Resp: 76326

Ion Ratio Lower Upper

75 100

77 30.3 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 20.770 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW013434.D

Acq: 04 Oct 2019 13:09

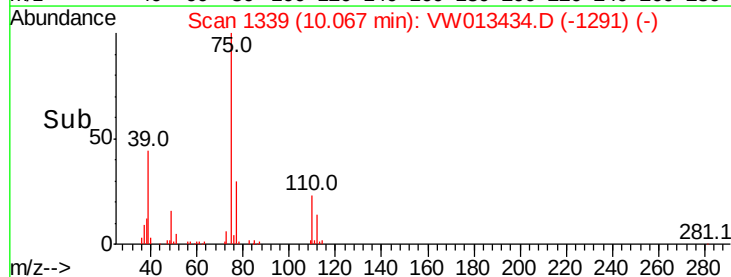
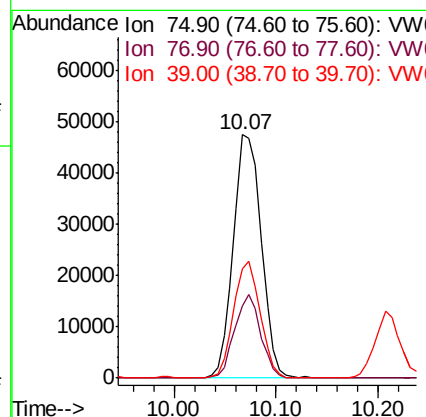
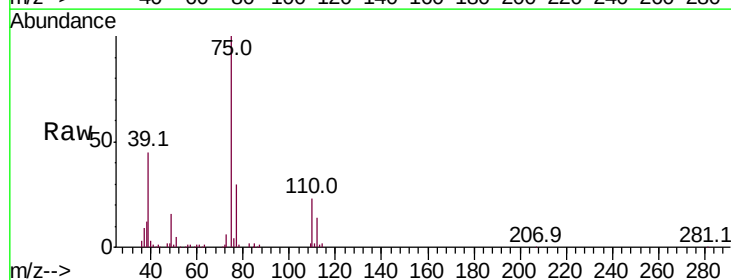
Tgt Ion: 75 Resp: 90022

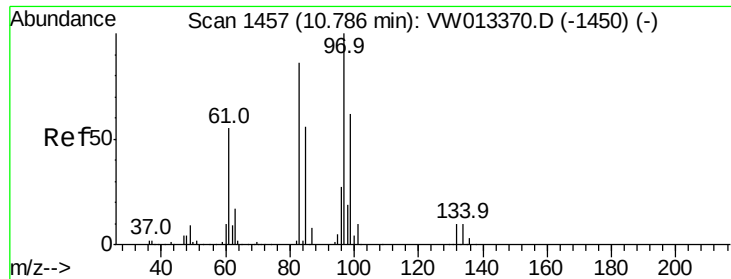
Ion Ratio Lower Upper

75 100

77 29.6 25.2 37.8

39 44.8 36.6 55.0

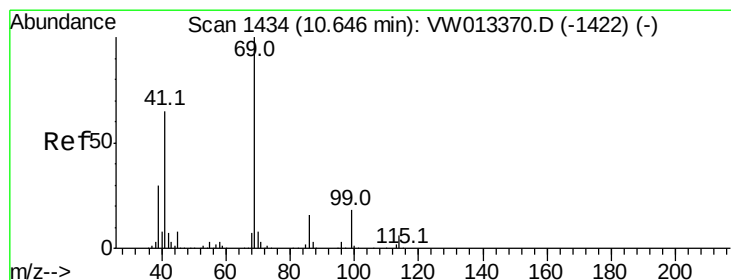
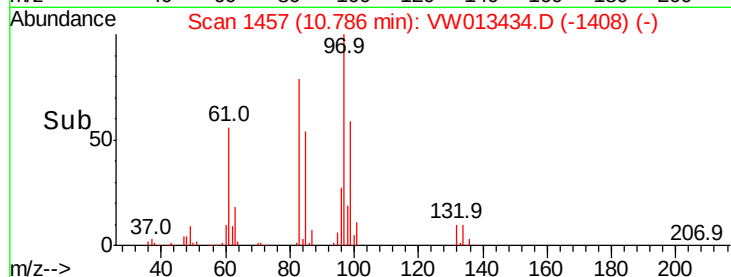
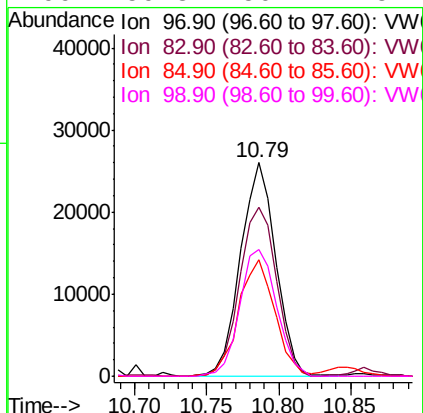
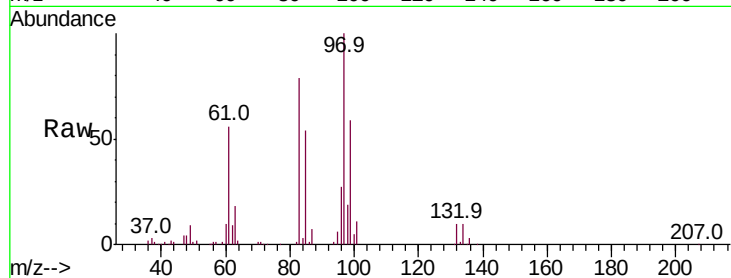




#55
 1,1,2-Trichloroethane
 Concen: 21.200 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013434.D
 Acq: 04 Oct 2019 13:09

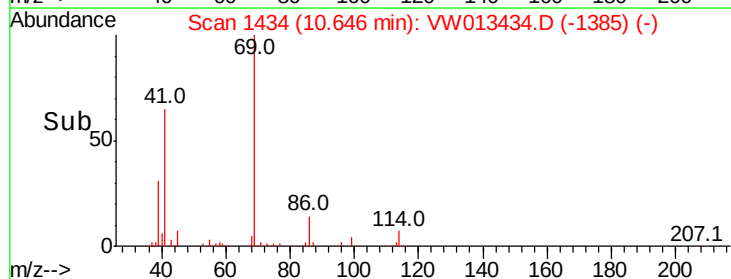
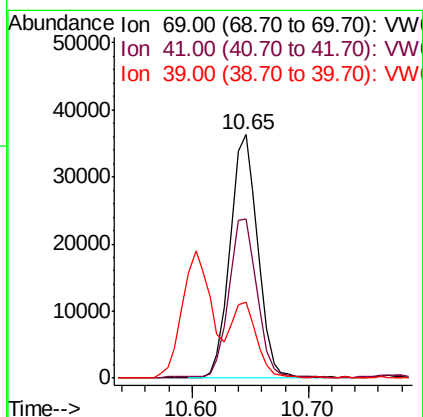
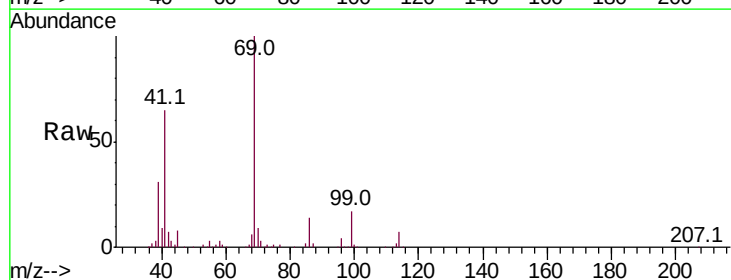
Instrument :
 MSVOA_W
 ClientSampleId :

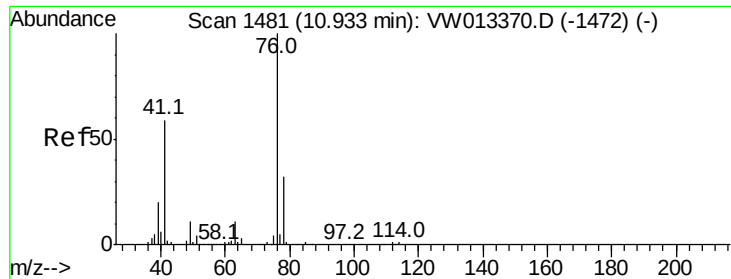
Tot Ion	97	Resp	44151
Ion	Ratio	Lower	Upper
97	100		
83	79.2	67.6	101.4
85	54.3	41.9	62.9
99	59.3	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 21.495 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013434.D
 Acq: 04 Oct 2019 13:09

Tgt Ion	69	Resp	60253
Ion	Ratio	Lower	Upper
69	100		
41	67.8	53.9	80.9
39	27.5	23.8	35.6





#57

1,3-Dichloropropane

Concen: 21.206 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

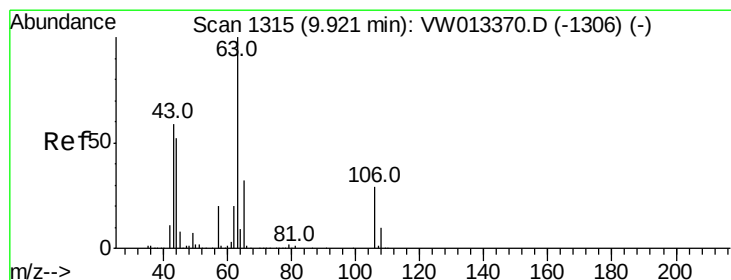
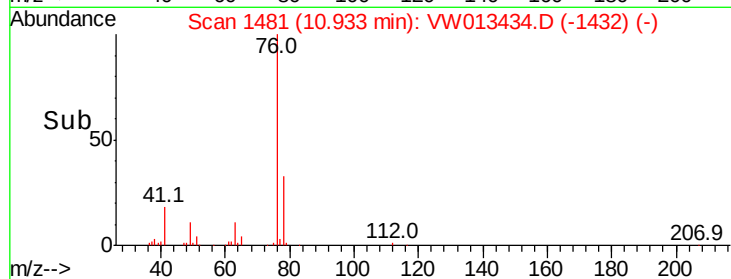
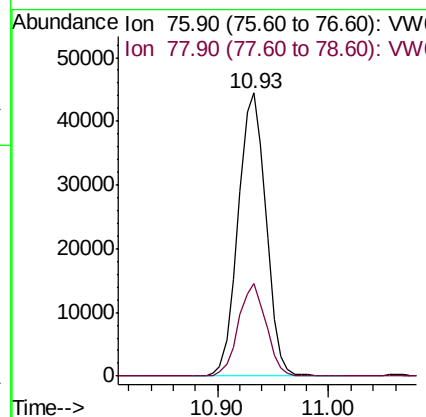
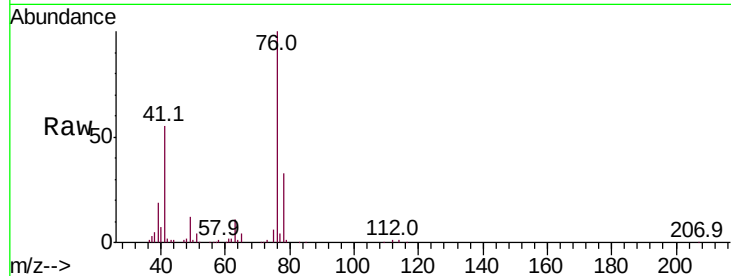
Lab File: VW013434.D

Acq: 04 Oct 2019 13:09

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 76 Resp: 76776

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.5	38.3



#58

2-Chloroethyl Vinyl ether

Concen: 119.498 ug/l

RT: 9.92 min Scan# 1315

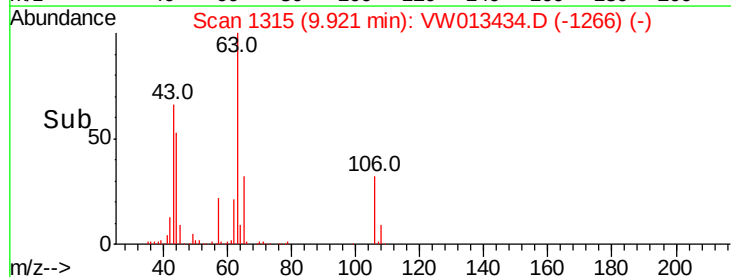
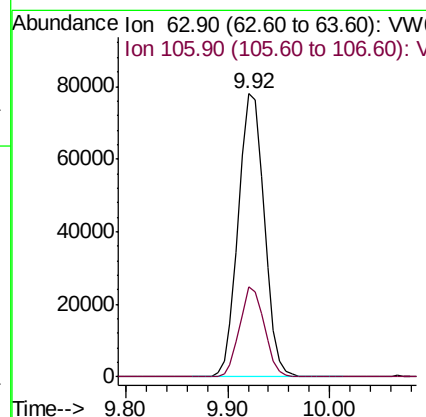
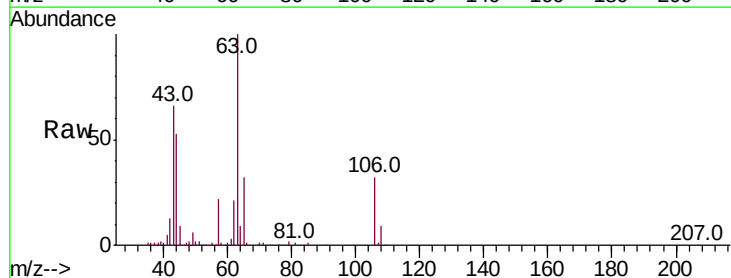
Delta R.T. 0.00 min

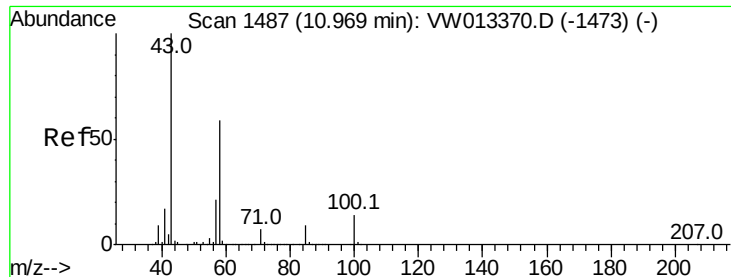
Lab File: VW013434.D

Acq: 04 Oct 2019 13:09

Tgt Ion: 63 Resp: 137599

Ion	Ratio	Lower	Upper
63	100		
106	30.1	23.4	35.0

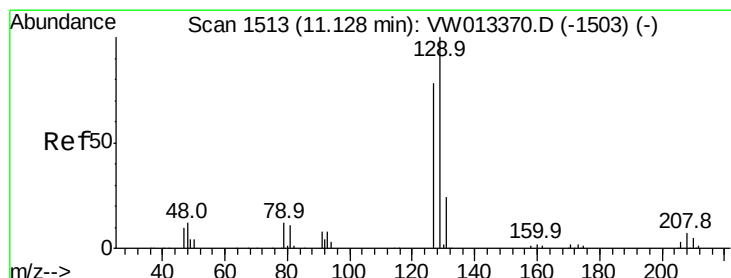
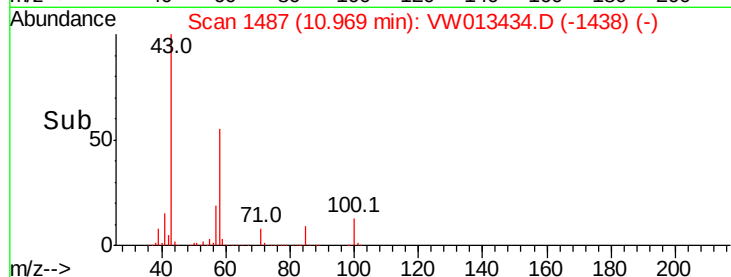
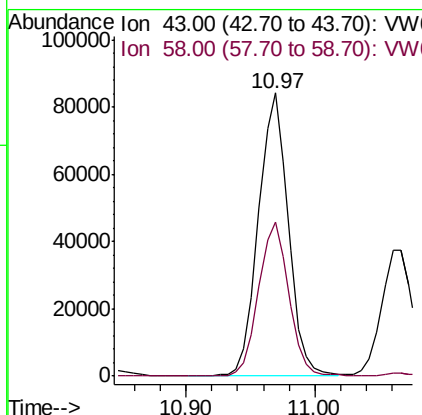
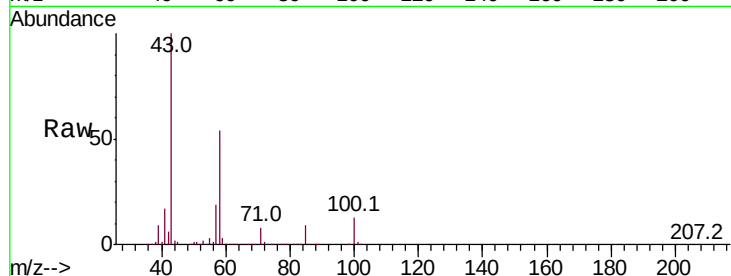




#59
2-Hexanone
Concen: 107.889 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013434.D
Acq: 04 Oct 2019 13:09

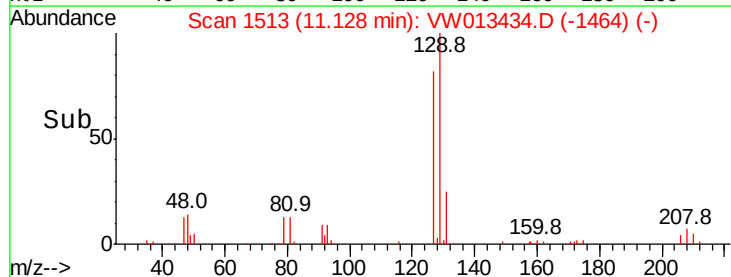
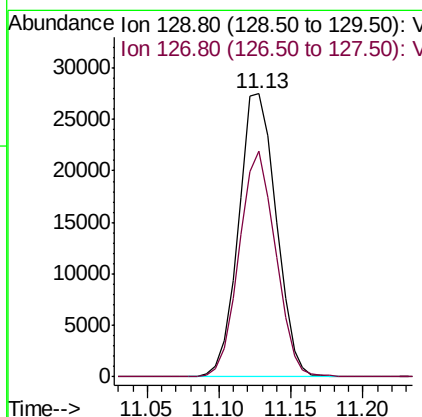
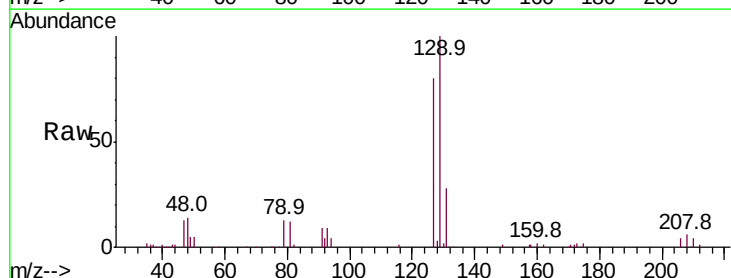
Instrument :
MSVOA_W
ClientSampleId :

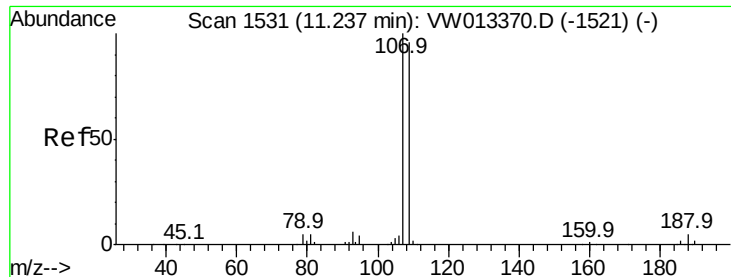
Tot Ion: 43 Resp: 134585
Ion Ratio Lower Upper
43 100
58 55.2 28.1 84.2



#60
Dibromochloromethane
Concen: 20.902 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013434.D
Acq: 04 Oct 2019 13:09

Tgt Ion: 129 Resp: 49800
Ion Ratio Lower Upper
129 100
127 77.3 38.8 116.4





#61

1,2-Dibromoethane

Concen: 21.339 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW013434.D

Acq: 04 Oct 2019 13:09

Instrument :

MSVOA_W

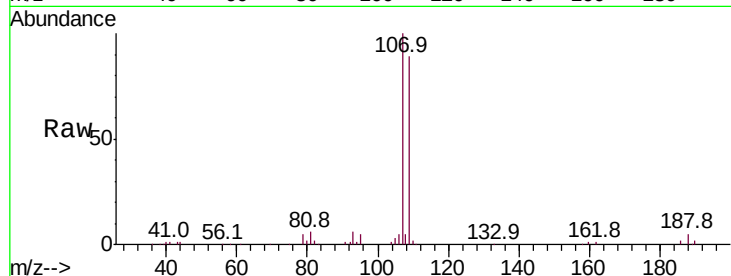
ClientSampled :

Tot Ion:107 Resp: 42944

Ion Ratio Lower Upper

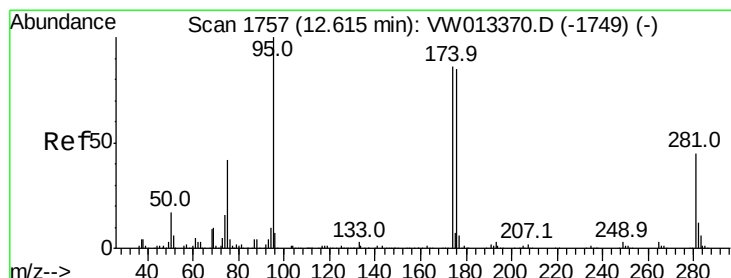
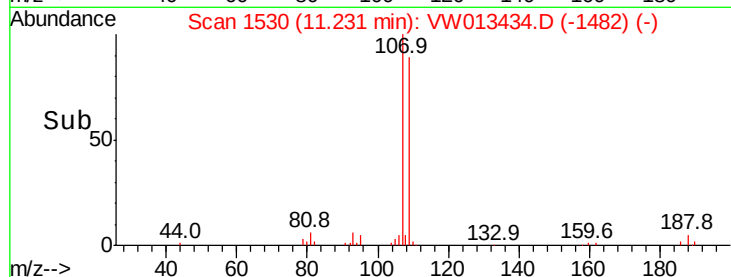
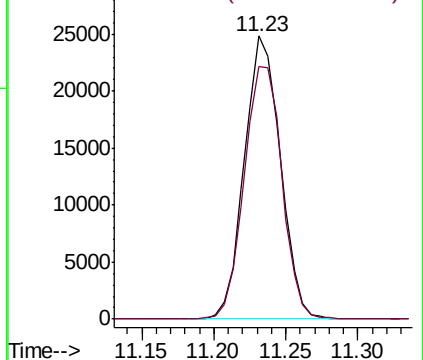
107 100

109 93.7 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 56.203 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013434.D

Acq: 04 Oct 2019 13:09

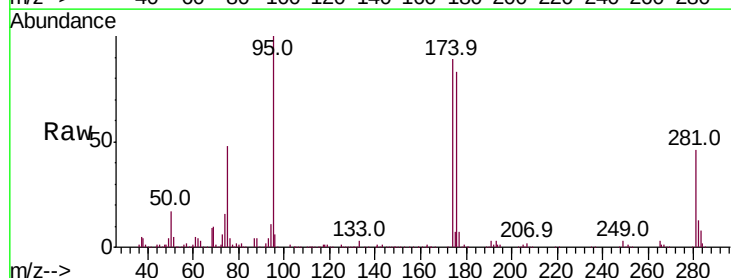
Tgt Ion: 95 Resp: 181451

Ion Ratio Lower Upper

95 100

174 89.9 0.0 178.4

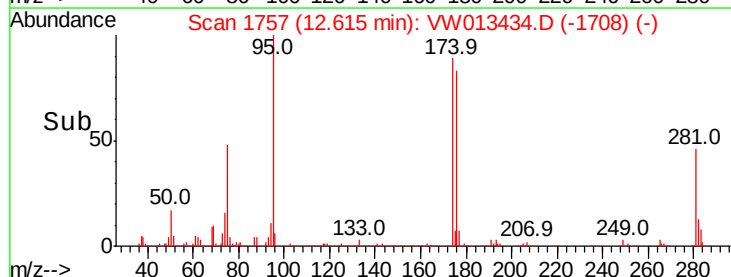
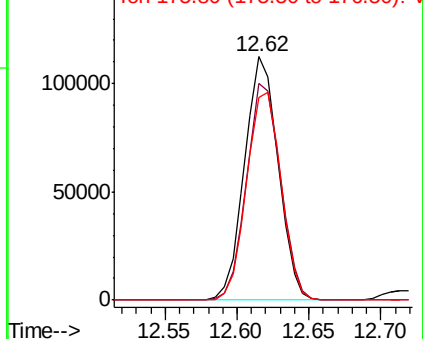
176 87.5 0.0 172.2

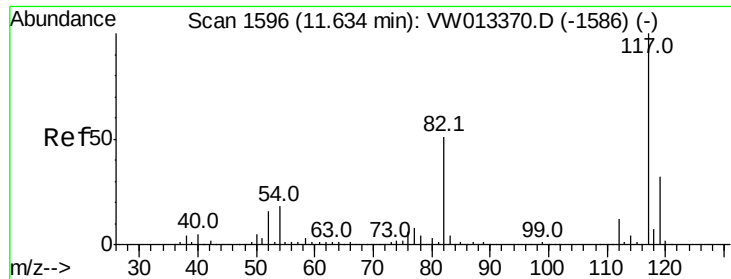


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

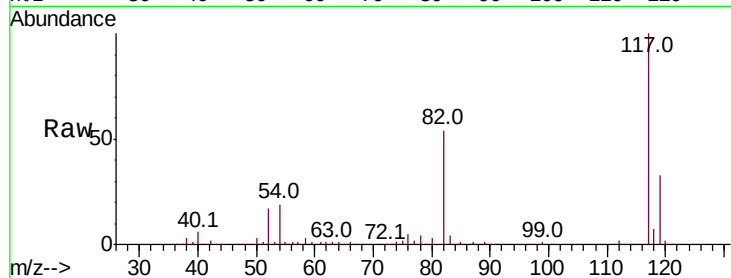




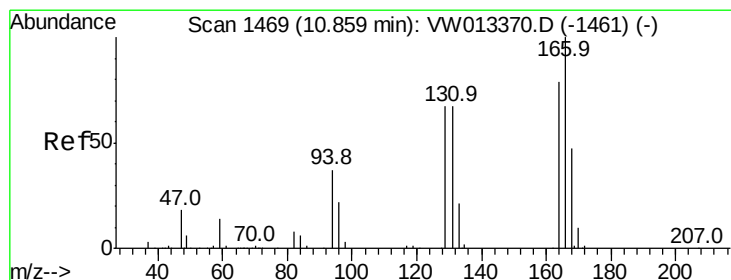
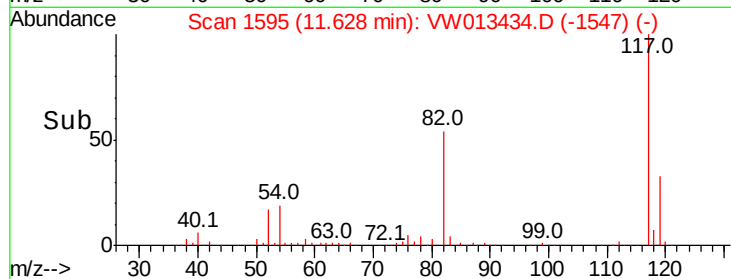
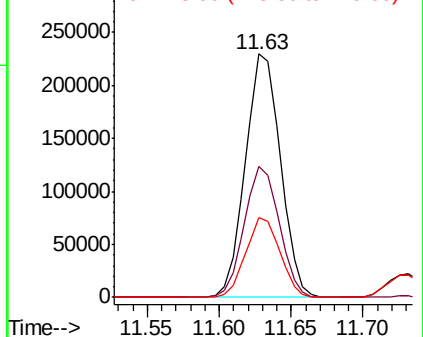
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013434.D
Acq: 04 Oct 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 387486
Ion Ratio Lower Upper
117 100
82 53.9 45.9 68.9
119 32.8 26.2 39.2



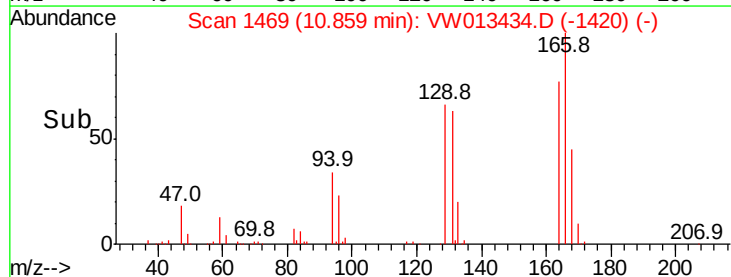
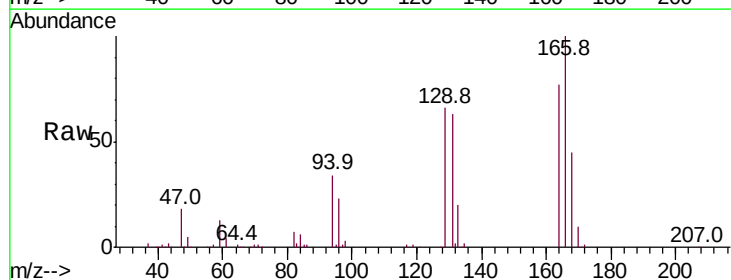
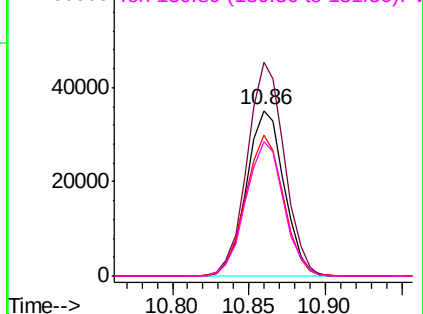
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

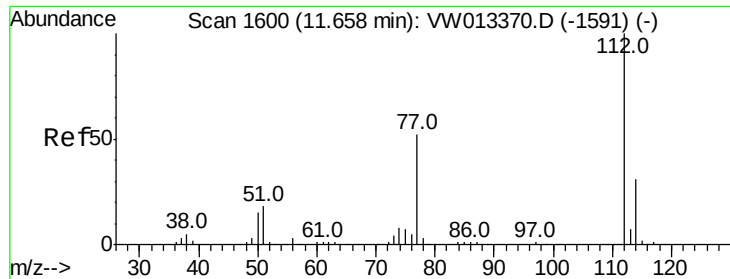


#64
Tetrachloroethene
Concen: 20.356 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013434.D
Acq: 04 Oct 2019 13:09

Tgt Ion:164 Resp: 60010
Ion Ratio Lower Upper
164 100
166 129.2 101.2 151.8
129 84.9 68.8 103.2
131 81.1 65.2 97.8

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

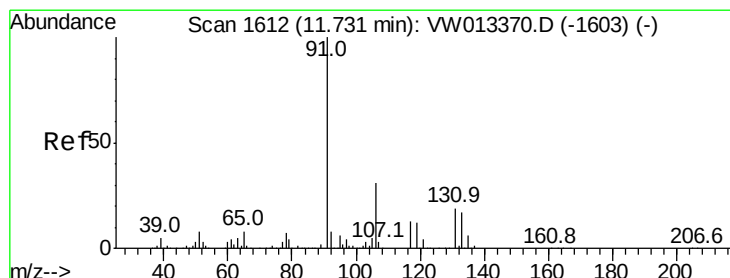
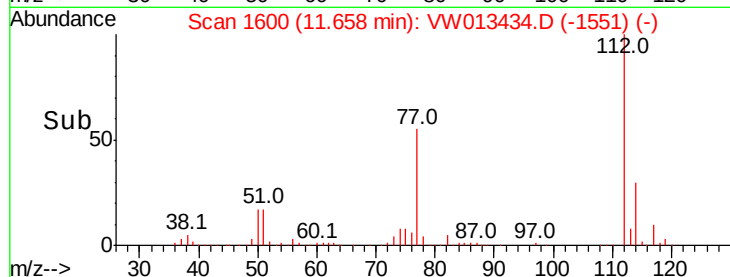
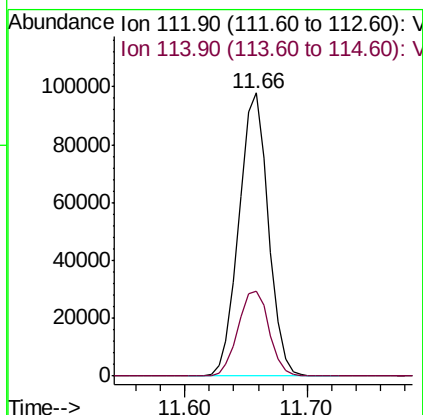
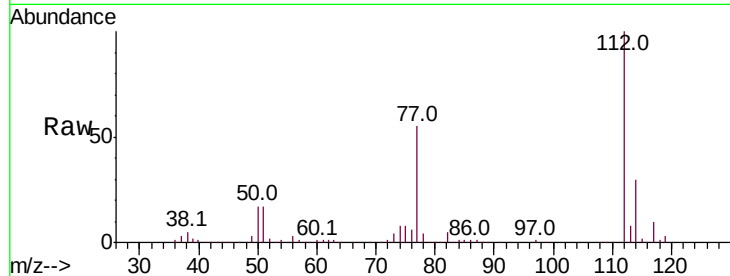




#65
Chlorobenzene
Concen: 20.529 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013434.D
Acq: 04 Oct 2019 13:09

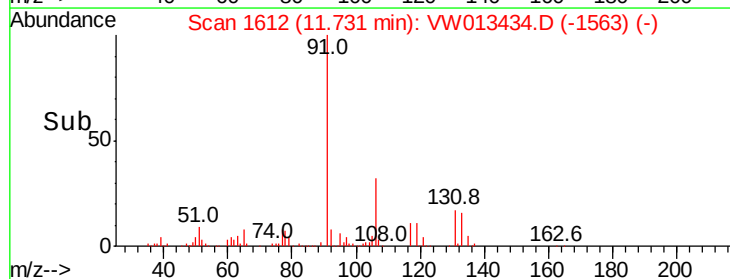
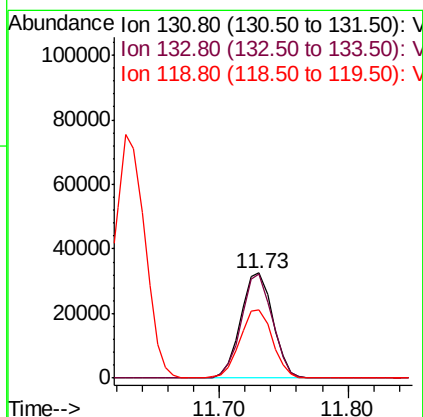
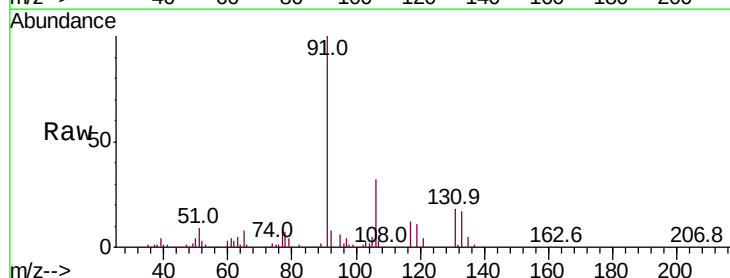
Instrument :
MSVOA_W
ClientSampleId :

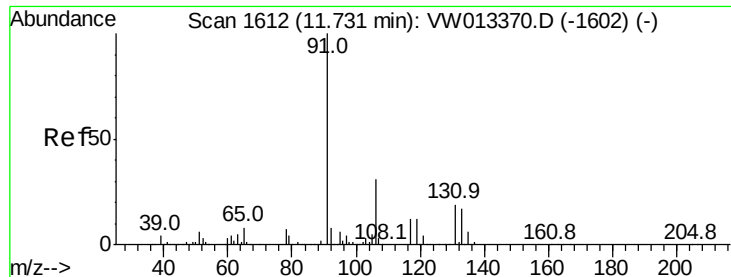
Tot Ion:112 Resp: 162969
Ion Ratio Lower Upper
112 100
114 30.0 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.785 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013434.D
Acq: 04 Oct 2019 13:09

Tgt Ion:131 Resp: 56198
Ion Ratio Lower Upper
131 100
133 95.7 47.5 142.6
119 65.7 32.5 97.5

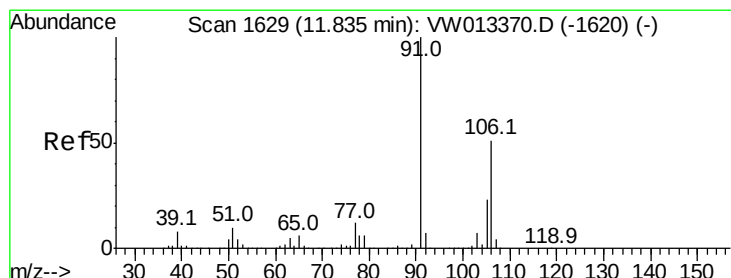
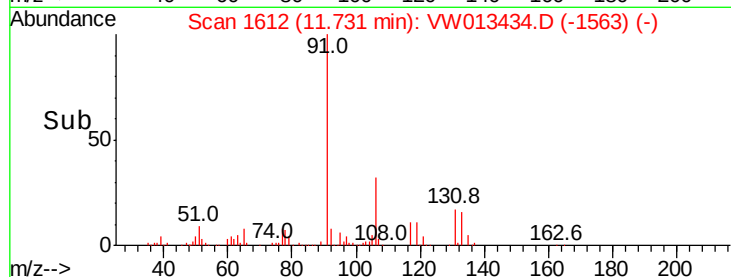
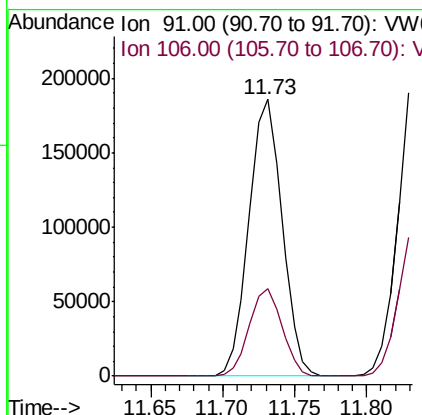
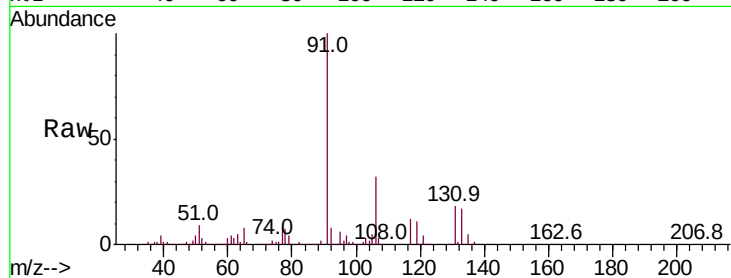




#67
Ethyl Benzene
Concen: 20.899 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013434.D
Acq: 04 Oct 2019 13:09

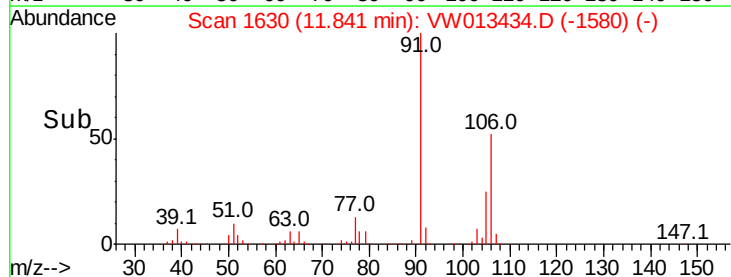
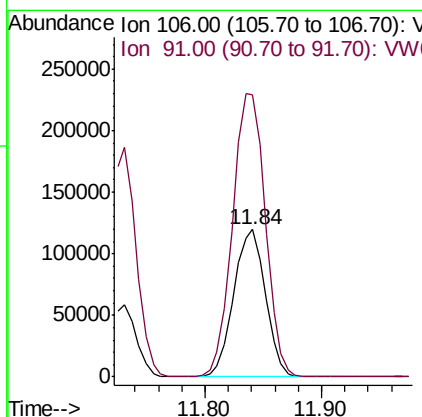
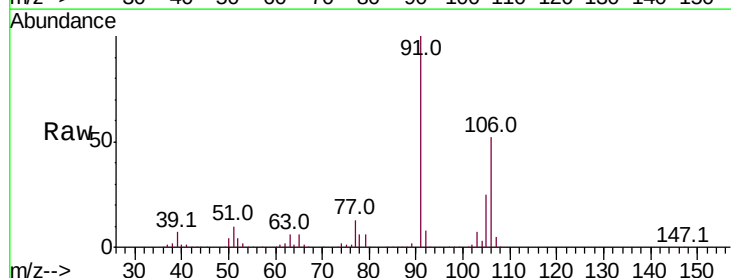
Instrument :
MSVOA_W
ClientSampleId :

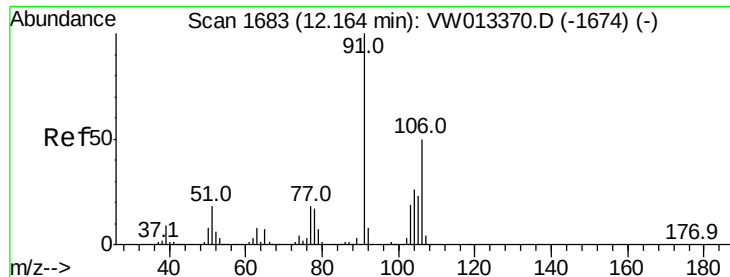
Tot Ion: 91 Resp: 297339
Ion Ratio Lower Upper
91 100
106 31.6 24.9 37.3



#68
m/p-Xylenes
Concen: 41.489 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW013434.D
Acq: 04 Oct 2019 13:09

Tgt Ion: 106 Resp: 227846
Ion Ratio Lower Upper
106 100
91 197.8 157.9 236.9

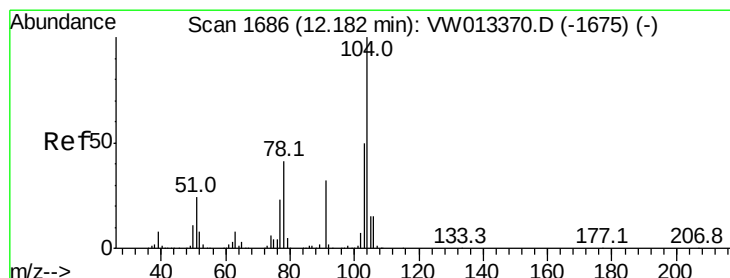
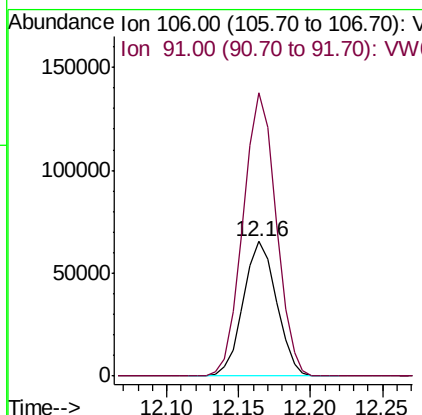
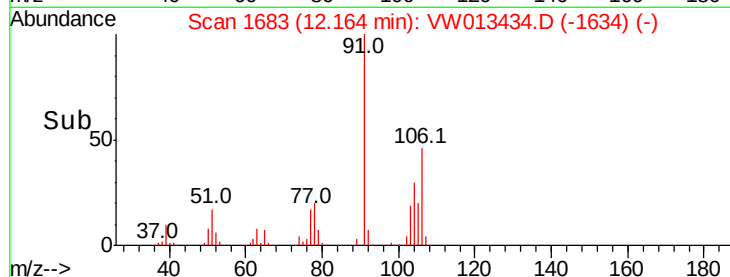
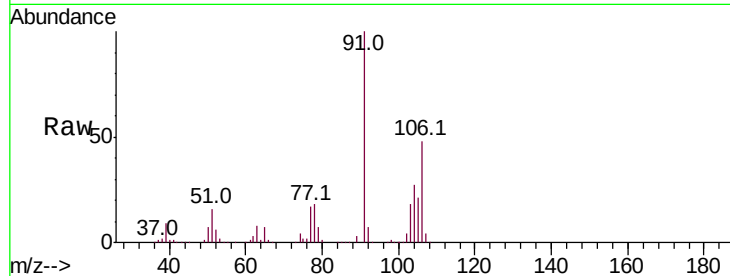




#69
o-Xylene
Concen: 20.650 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013434.D
Acq: 04 Oct 2019 13:09

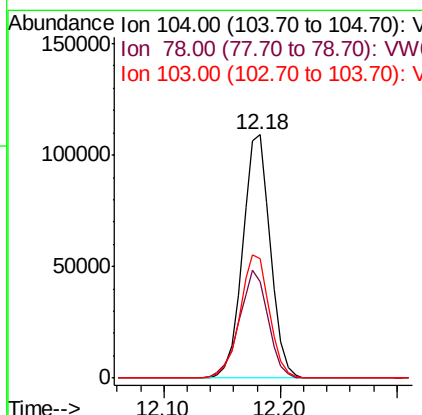
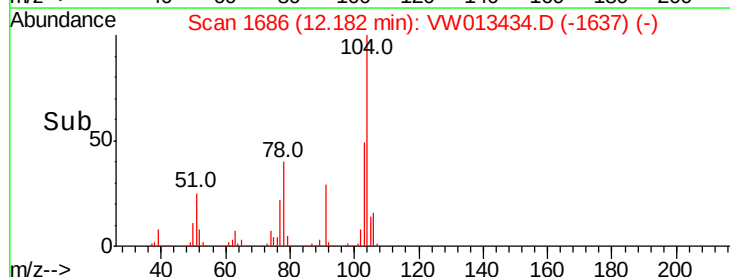
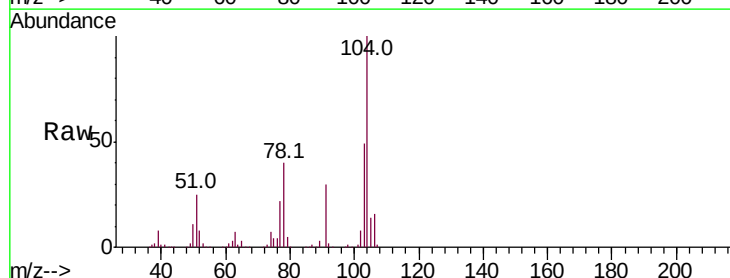
Instrument :
MSVOA_W
ClientSampled :

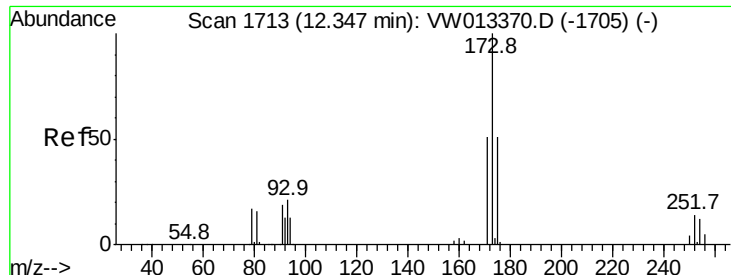
Tot Ion:106 Resp: 104849
Ion Ratio Lower Upper
106 100
91 209.0 106.5 319.5



#70
Styrene
Concen: 20.731 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013434.D
Acq: 04 Oct 2019 13:09

Tgt Ion:104 Resp: 179942
Ion Ratio Lower Upper
104 100
78 46.3 38.4 57.6
103 54.0 43.3 64.9





#71

Bromoform

Concen: 21.317 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013434.D

Acq: 04 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

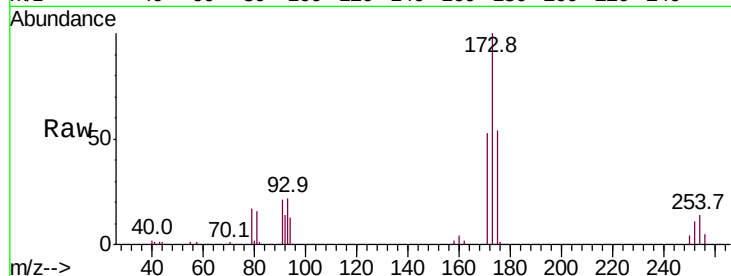
Tot Ion:173 Resp: 31249

Ion Ratio Lower Upper

173 100

175 50.8 24.3 73.0

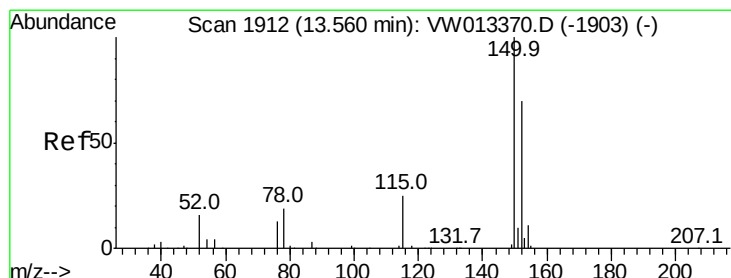
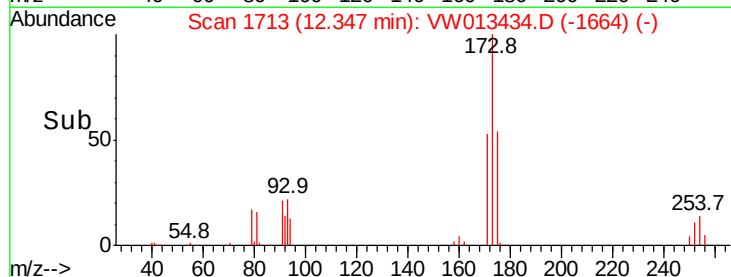
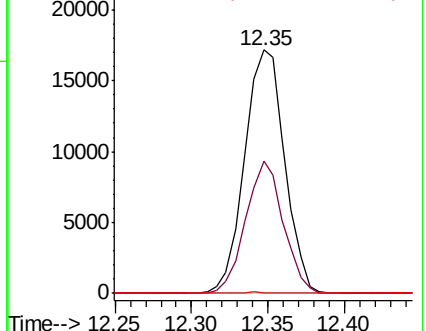
254 0.1 0.1 0.1



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW013434.D

Acq: 04 Oct 2019 13:09

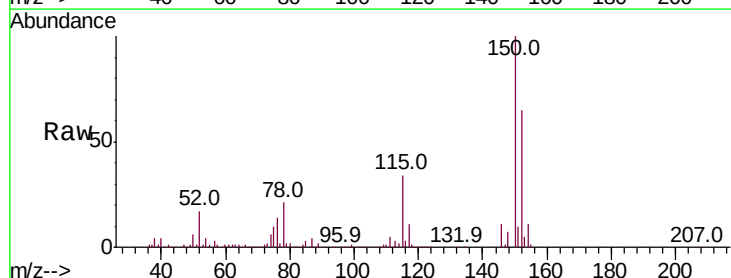
Tgt Ion:152 Resp: 197258

Ion Ratio Lower Upper

152 100

115 55.3 27.3 81.9

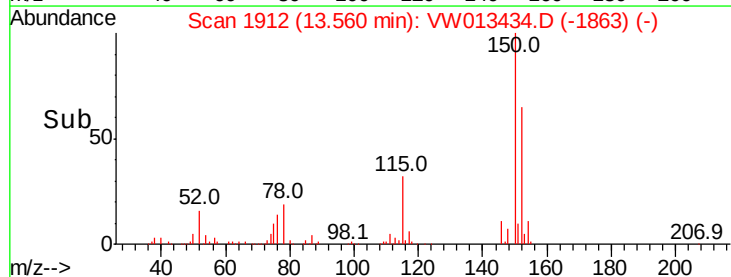
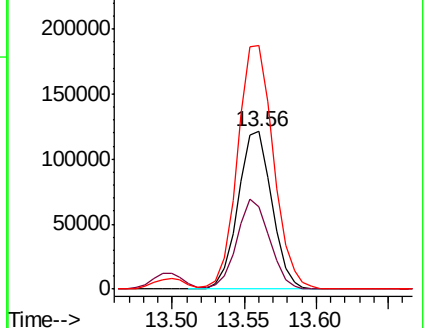
150 164.4 0.0 349.0

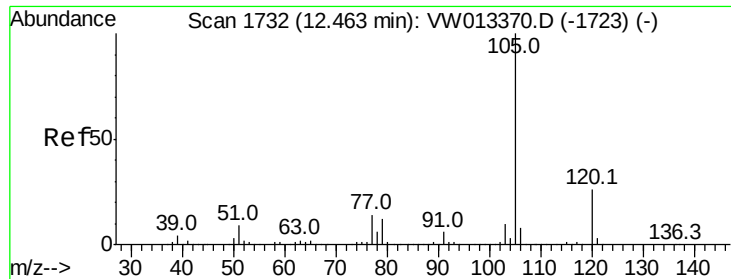


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.149 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013434.D

Acq: 04 Oct 2019 13:09

Instrument :

MSVOA_W

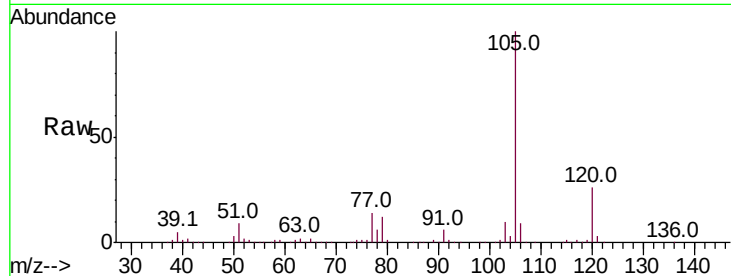
ClientSampleId :

Tot Ion:105 Resp: 290727

Ion Ratio Lower Upper

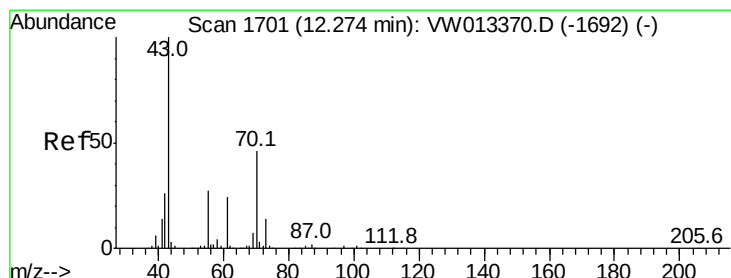
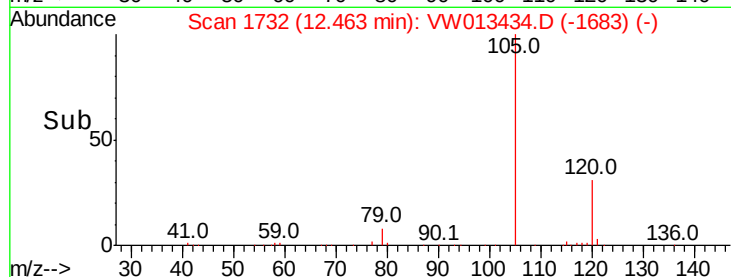
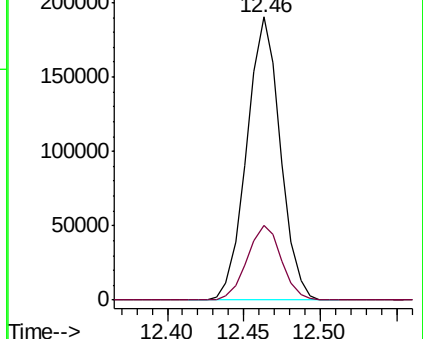
105 100

120 26.9 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.358 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013434.D

Acq: 04 Oct 2019 13:09

Tgt Ion: 43 Resp: 65586

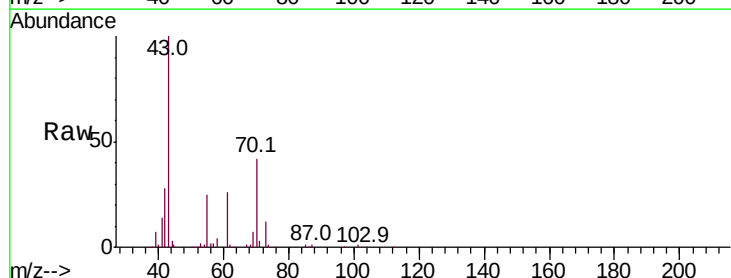
Ion Ratio Lower Upper

43 100

70 44.1 35.1 52.7

55 25.5 19.9 29.9

61 25.1 19.5 29.3

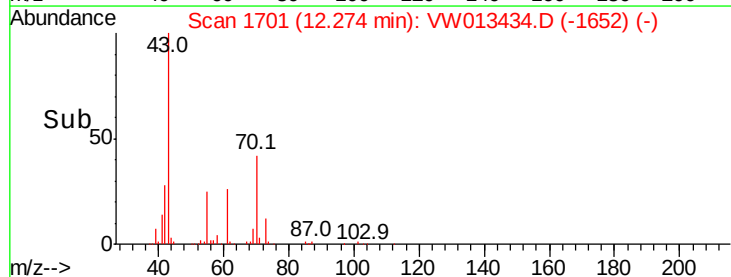
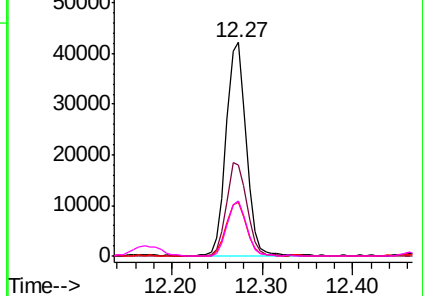


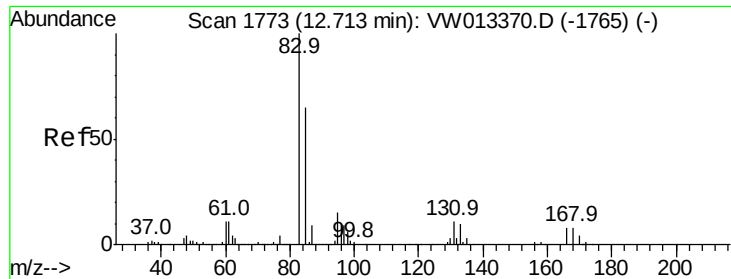
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 21.025 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013434.D

Acq: 04 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampled :

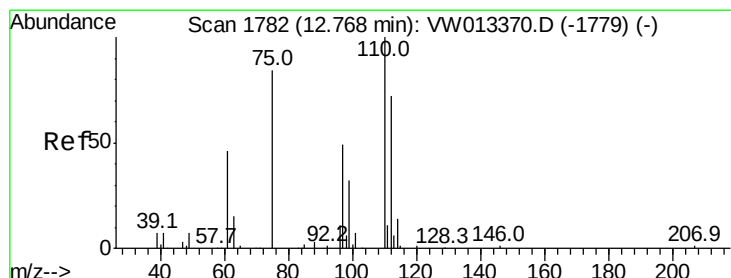
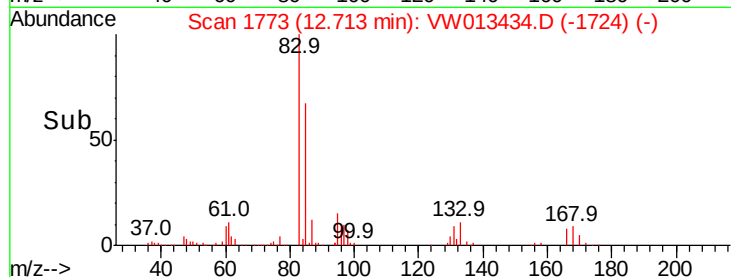
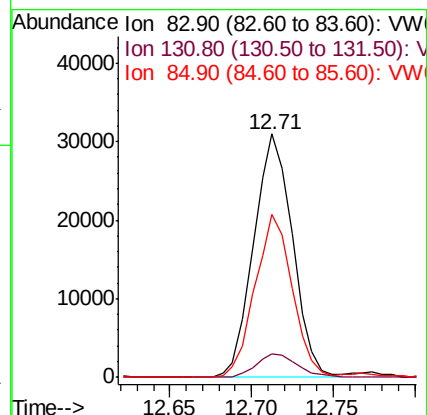
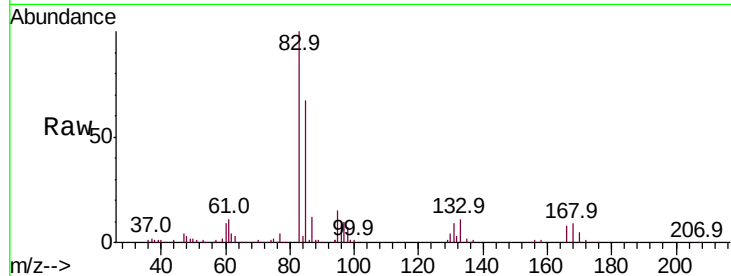
Tot Ion: 83 Resp: 51348

Ion Ratio Lower Upper

83 100

131 10.1 5.4 16.2

85 64.2 31.9 95.9



#76

1,2,3-Trichloropropane

Concen: 36.751 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013434.D

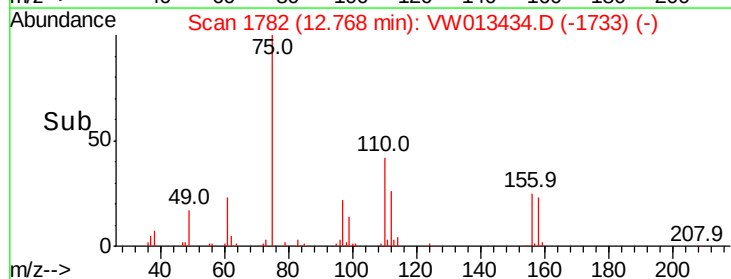
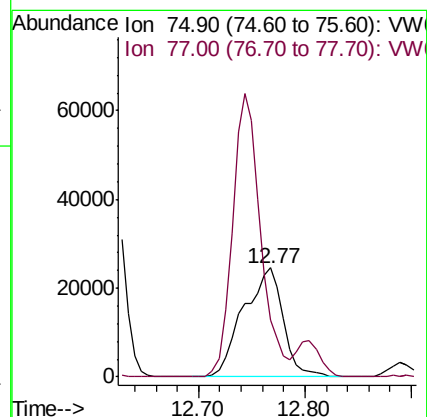
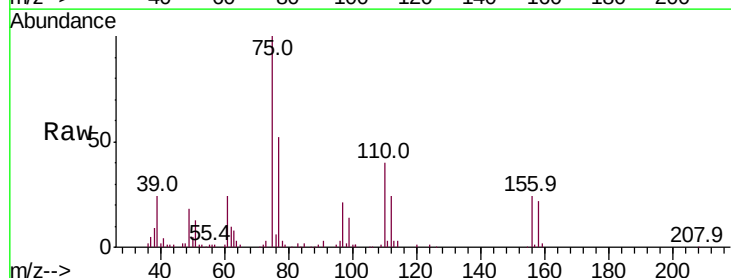
Acq: 04 Oct 2019 13:09

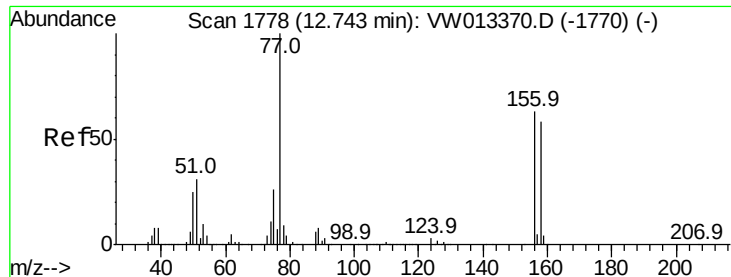
Tgt Ion: 75 Resp: 64430

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.006 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013434.D

Acq: 04 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

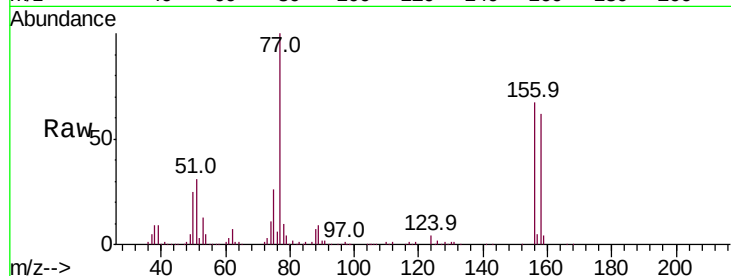
Tot Ion:156 Resp: 69315

Ion Ratio Lower Upper

156 100

77 170.7 85.7 257.1

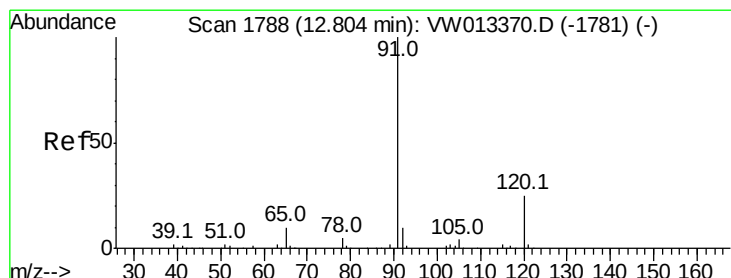
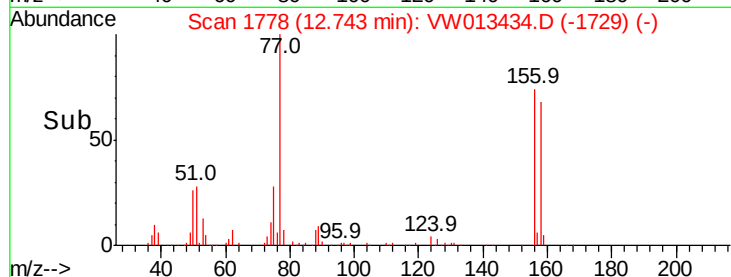
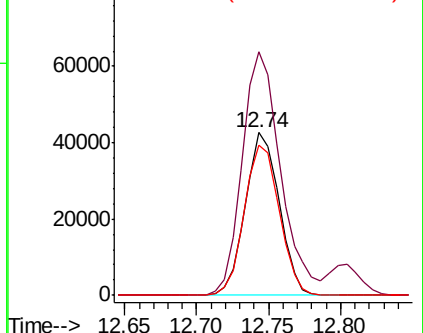
158 95.4 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.657 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013434.D

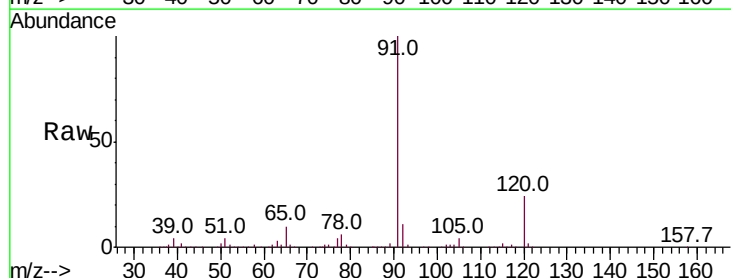
Acq: 04 Oct 2019 13:09

Tgt Ion: 91 Resp: 342861

Ion Ratio Lower Upper

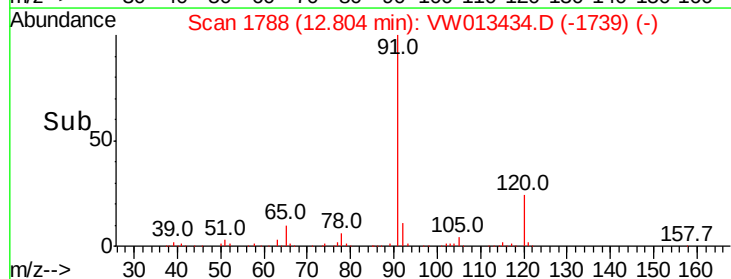
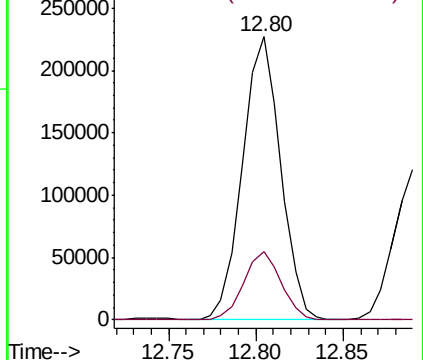
91 100

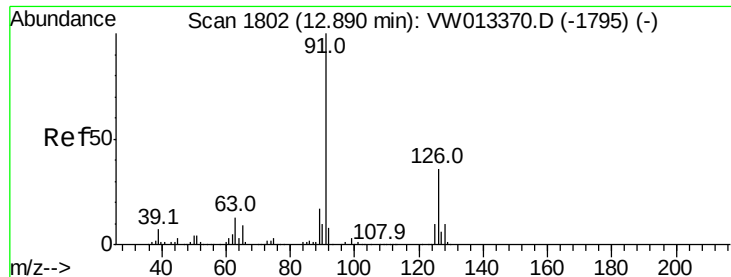
120 23.7 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.975 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013434.D

Acq: 04 Oct 2019 13:09

Instrument :

MSVOA_W

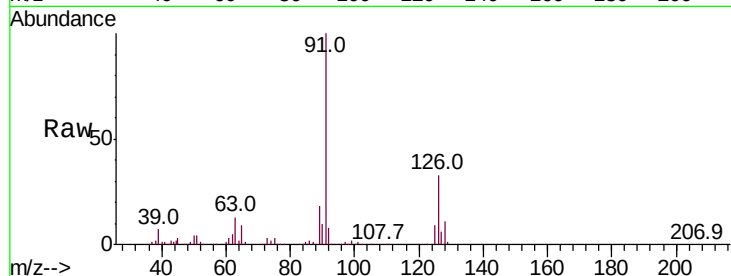
ClientSampleId :

Tot Ion: 91 Resp: 193362

Ion Ratio Lower Upper

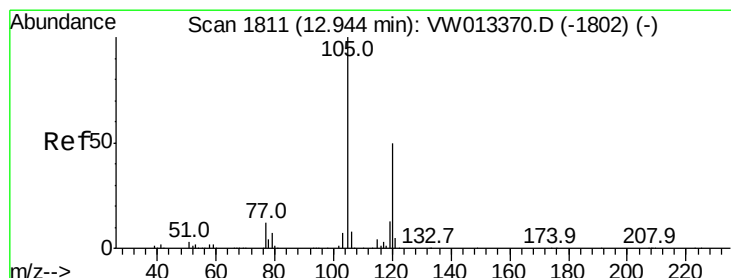
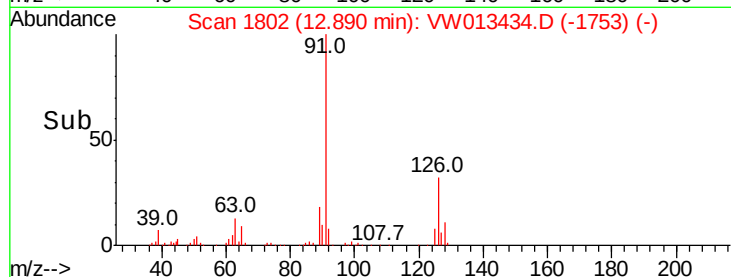
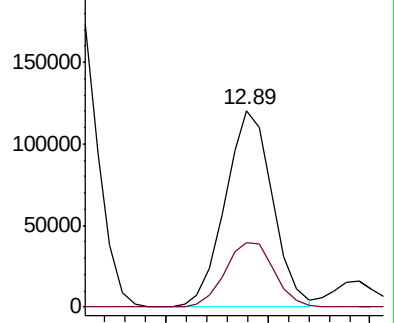
91 100

126 34.5 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.467 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013434.D

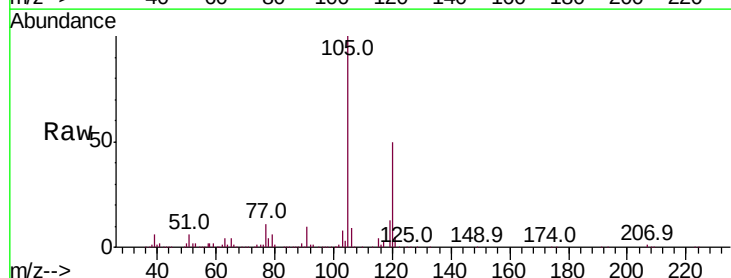
Acq: 04 Oct 2019 13:09

Tgt Ion:105 Resp: 245316

Ion Ratio Lower Upper

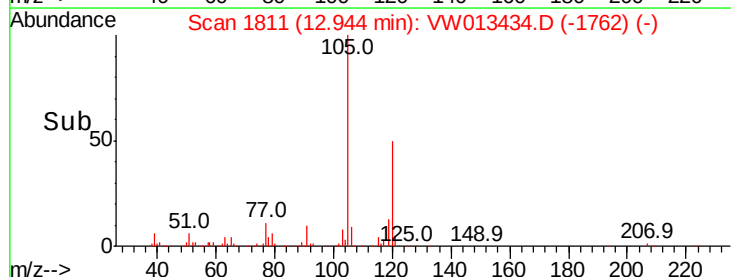
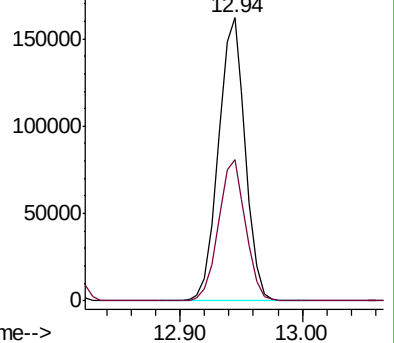
105 100

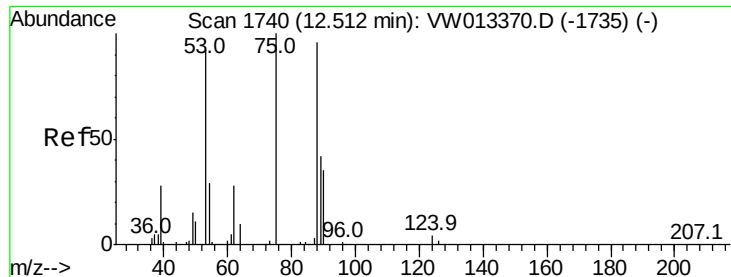
120 50.5 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

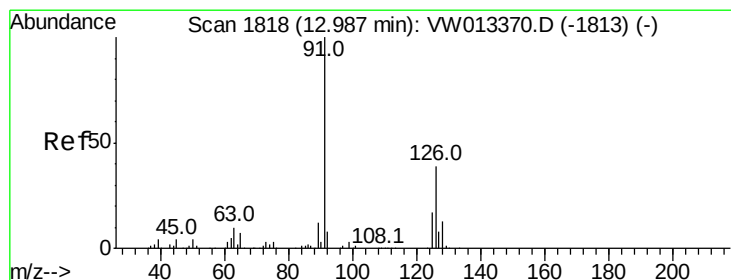
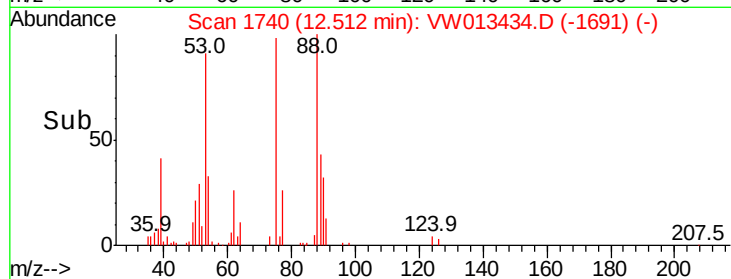
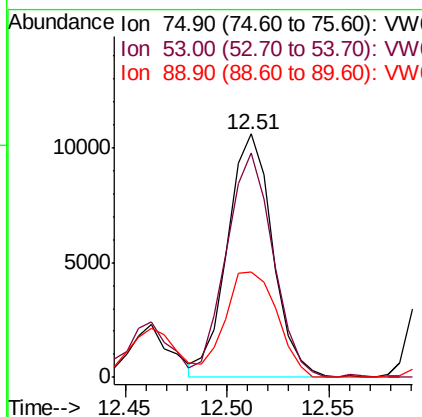
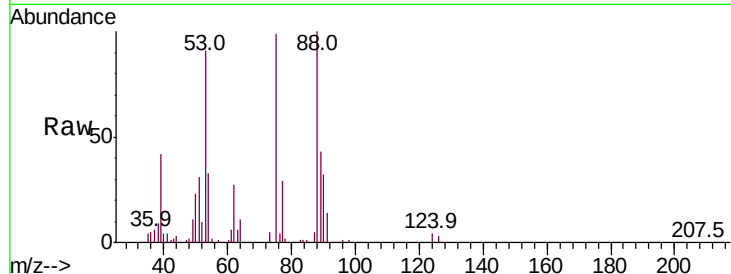




#81
trans-1,4-Dichloro-2-butene
Concen: 22.334 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW013434.D
Acq: 04 Oct 2019 13:09

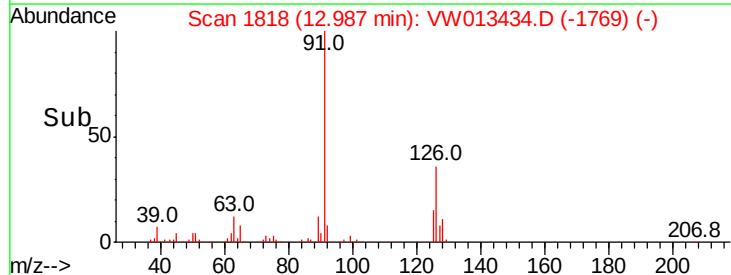
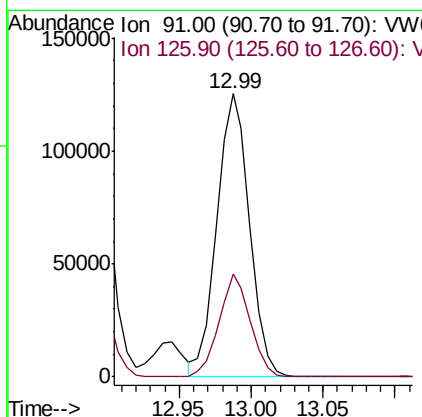
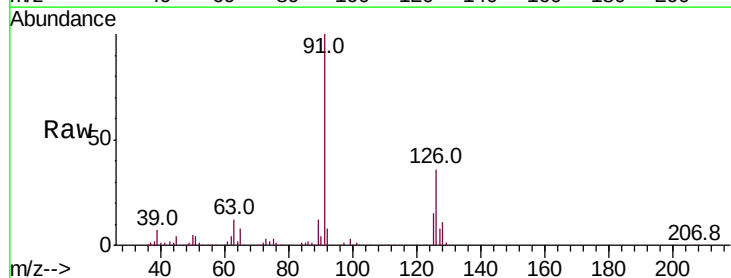
Instrument :
MSVOA_W
ClientSampled :

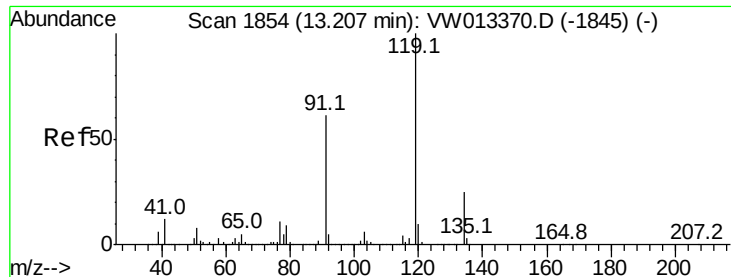
Tot Ion: 75 Resp: 16321
Ion Ratio Lower Upper
75 100
53 95.2 76.6 114.8
89 49.2 33.5 50.3



#82
4-Chlorotoluene
Concen: 20.522 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW013434.D
Acq: 04 Oct 2019 13:09

Tgt Ion: 91 Resp: 198178
Ion Ratio Lower Upper
91 100
126 35.0 17.3 51.7

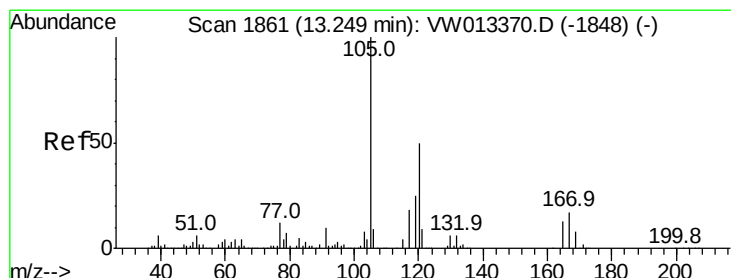
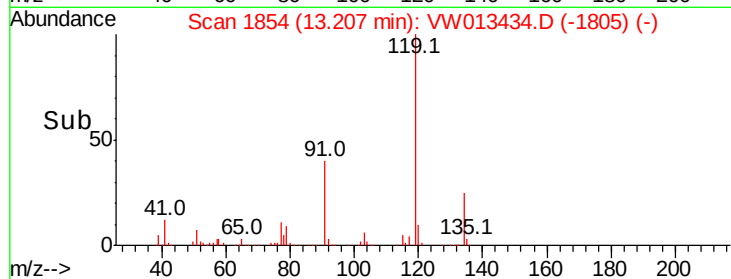
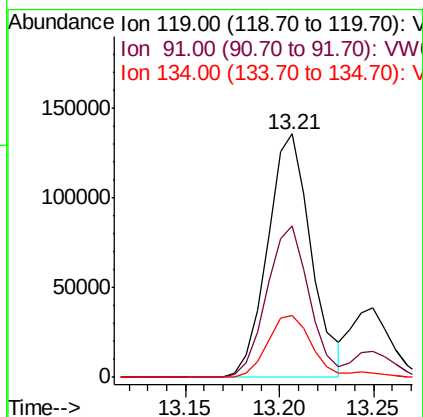
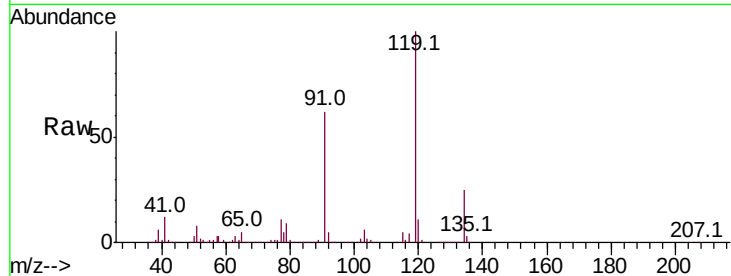




#83
 tert-Butylbenzene
 Concen: 20.750 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW013434.D
 Acq: 04 Oct 2019 13:09

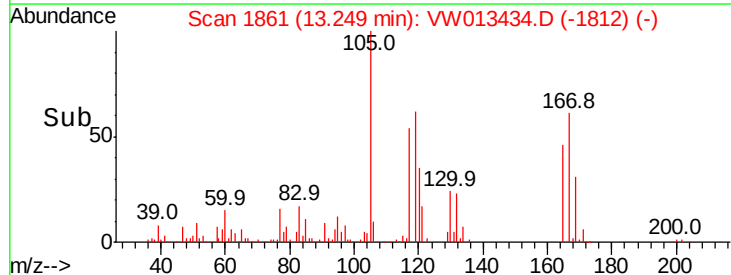
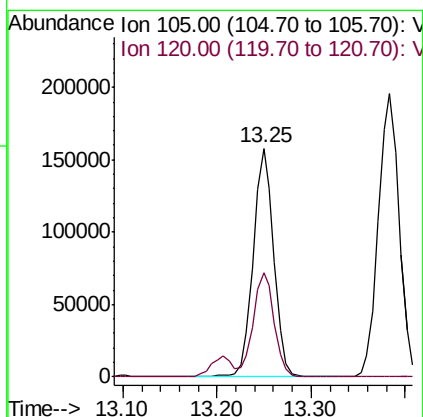
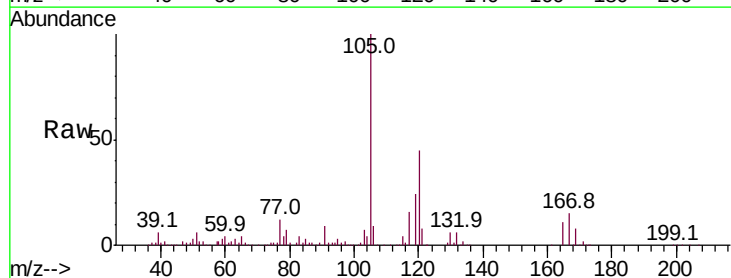
Instrument :
 MSVOA_W
 ClientSampleId :

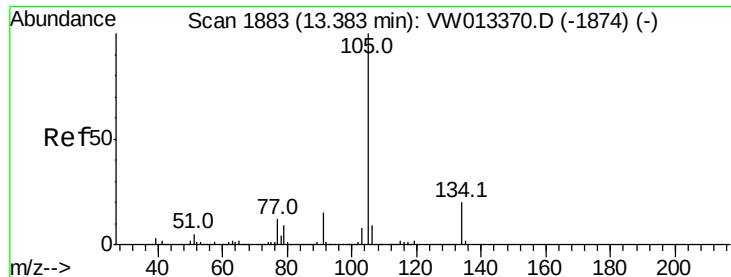
Tot Ion:119 Resp: 217241
 Ion Ratio Lower Upper
 119 100
 91 60.6 30.7 92.1
 134 25.8 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 20.307 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW013434.D
 Acq: 04 Oct 2019 13:09

Tgt Ion:105 Resp: 241973
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.4 70.3

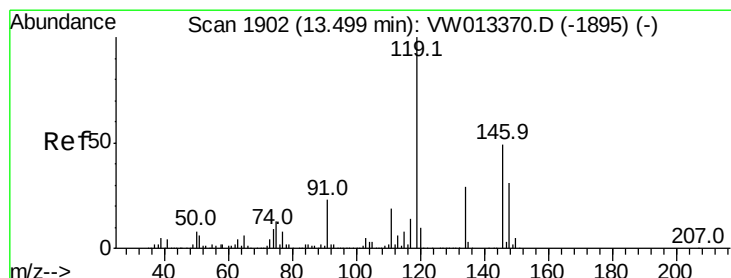
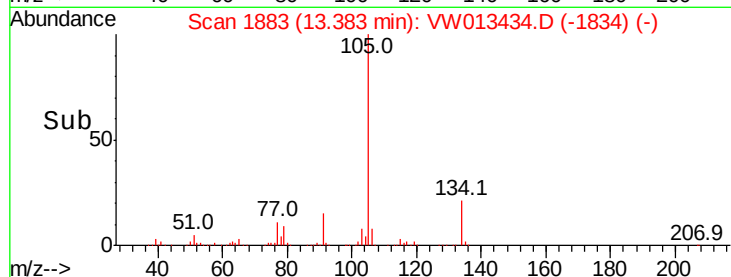
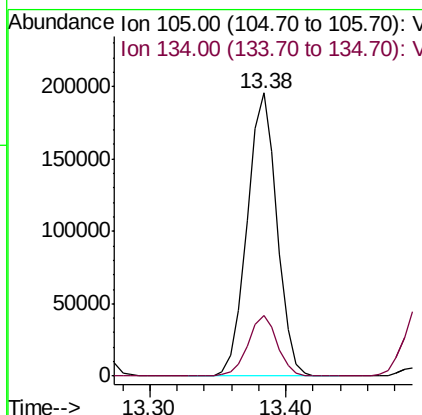
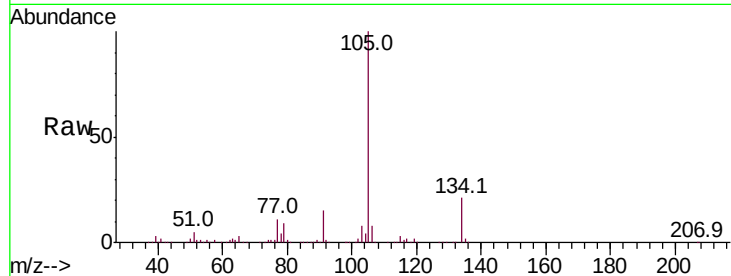




#85
 sec-Butylbenzene
 Concen: 20.740 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013434.D
 Acq: 04 Oct 2019 13:09

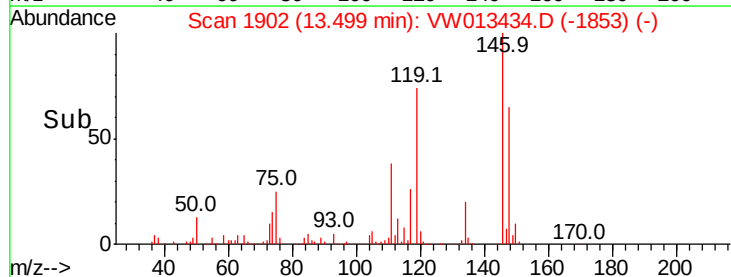
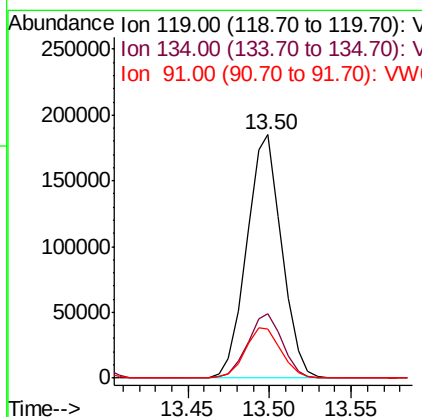
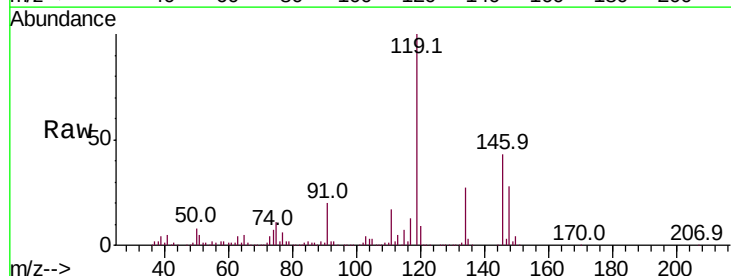
Instrument :
 MSVOA_W
 ClientSampleId :

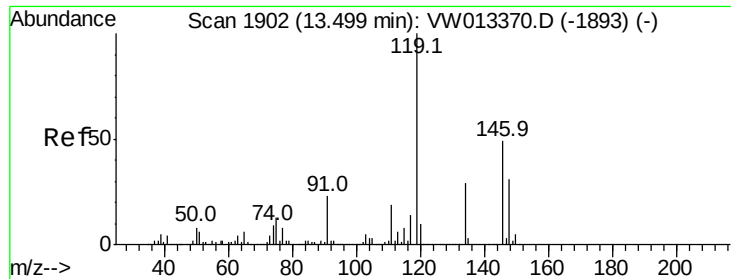
Tot Ion:105 Resp: 299373
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 20.503 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013434.D
 Acq: 04 Oct 2019 13:09

Tgt Ion:119 Resp: 274275
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.3 39.8
 91 21.4 10.8 32.4





#87

1,3-Dichlorobenzene

Concen: 20.288 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

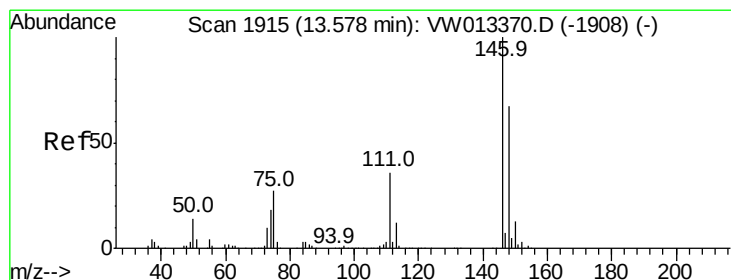
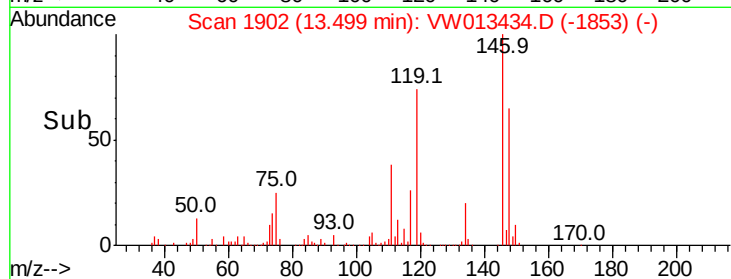
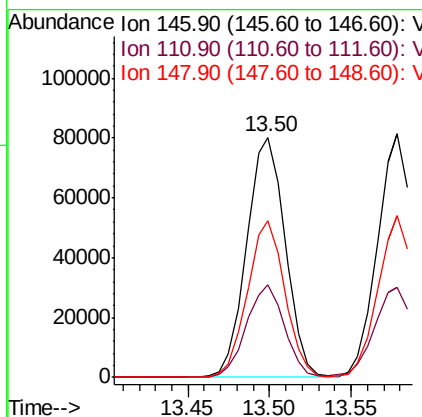
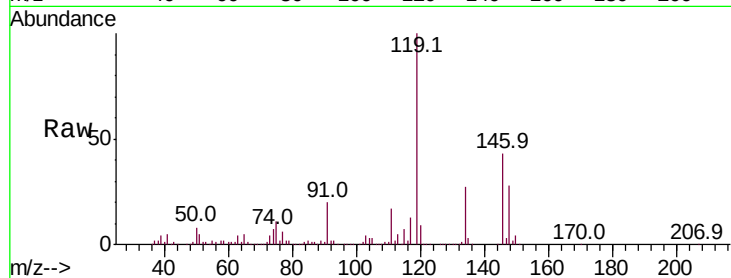
Lab File: VW013434.D

Acq: 04 Oct 2019 13:09

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:146 Resp: 132243

Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.9	56.9
148	63.3	31.9	95.5



#88

1,4-Dichlorobenzene

Concen: 19.568 ug/l

RT: 13.58 min Scan# 1915

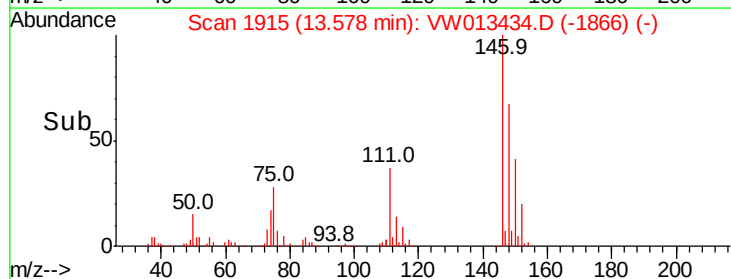
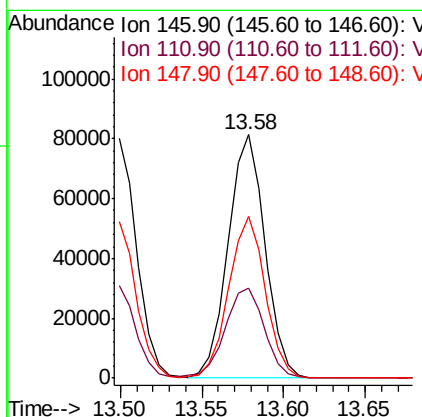
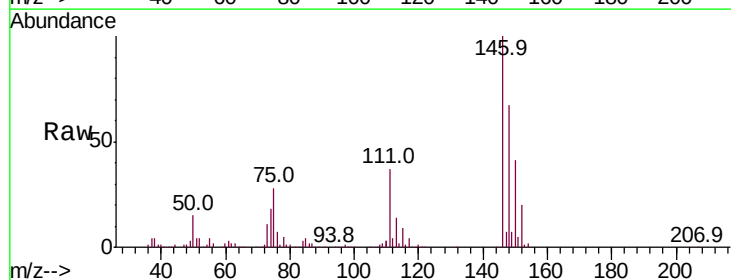
Delta R.T. 0.00 min

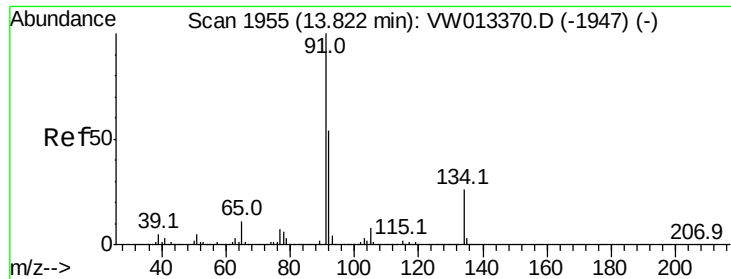
Lab File: VW013434.D

Acq: 04 Oct 2019 13:09

Tgt Ion:146 Resp: 127709

Ion	Ratio	Lower	Upper
146	100		
111	39.5	18.4	55.0
148	66.2	32.1	96.3

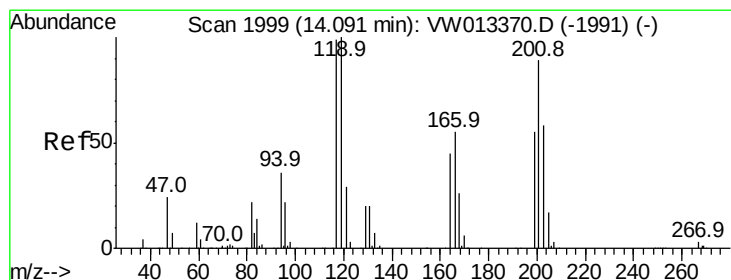
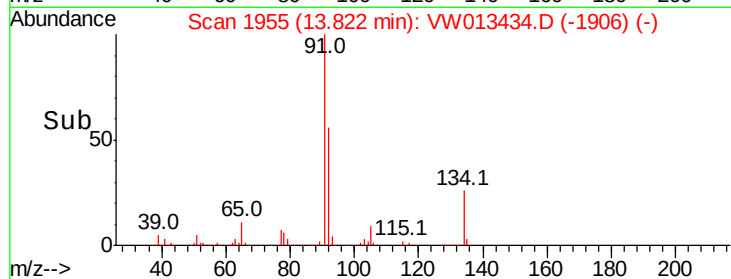
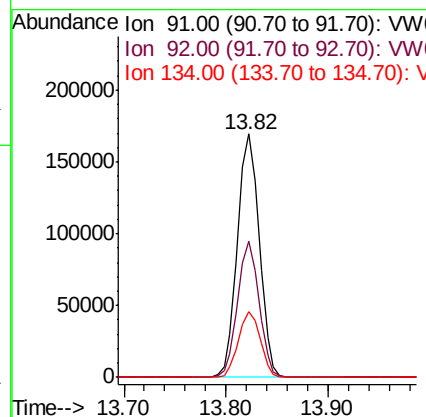
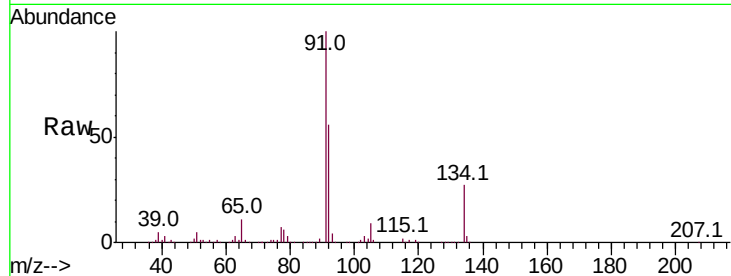




#89
n-Butylbenzene
Concen: 20.735 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013434.D
Acq: 04 Oct 2019 13:09

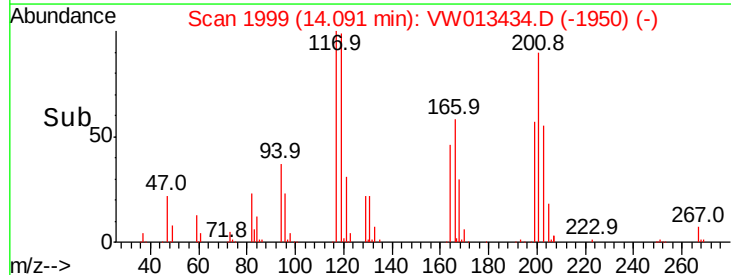
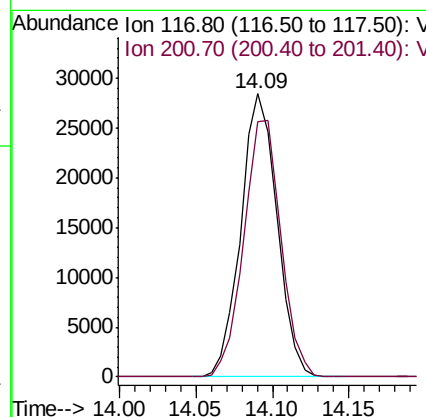
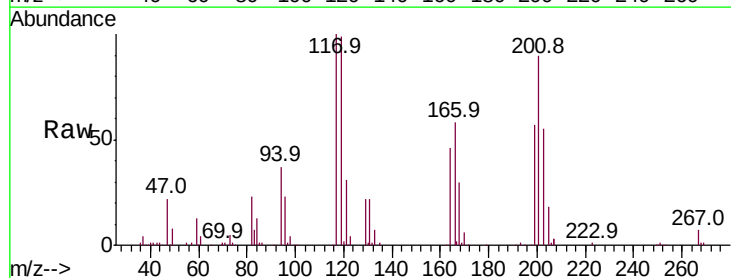
Instrument :
MSVOA_W
ClientSampleId :

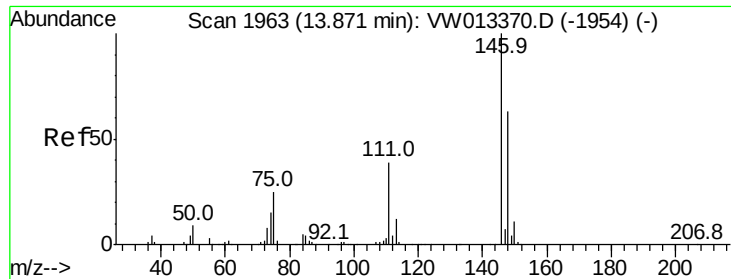
Tot Ion: 91 Resp: 250072
Ion Ratio Lower Upper
91 100
92 54.8 27.6 82.8
134 27.1 13.7 41.1



#90
Hexachloroethane
Concen: 21.132 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW013434.D
Acq: 04 Oct 2019 13:09

Tgt Ion: 117 Resp: 46703
Ion Ratio Lower Upper
117 100
201 93.1 44.5 133.5

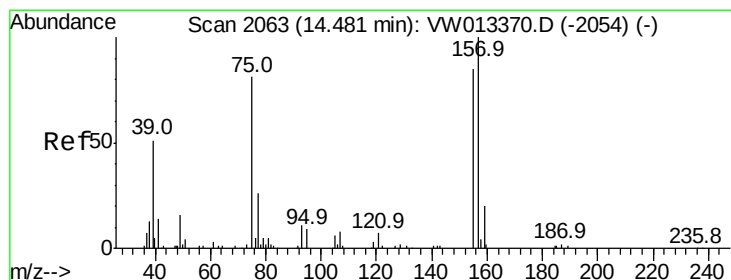
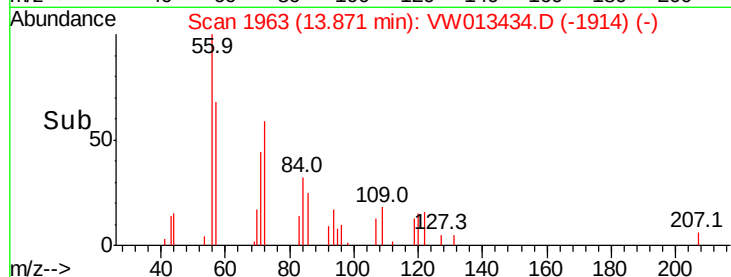
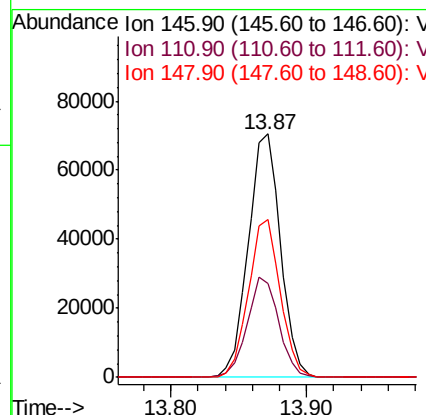
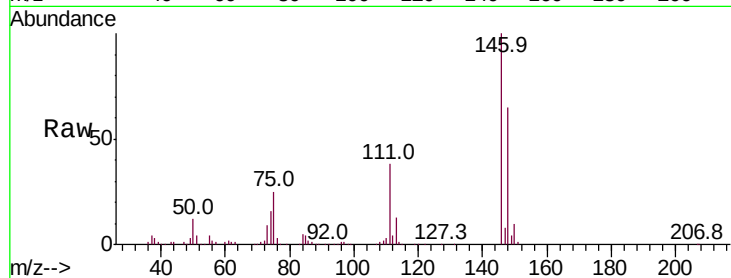




#91
 1,2-Dichlorobenzene
 Concen: 20.323 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013434.D
 Acq: 04 Oct 2019 13:09

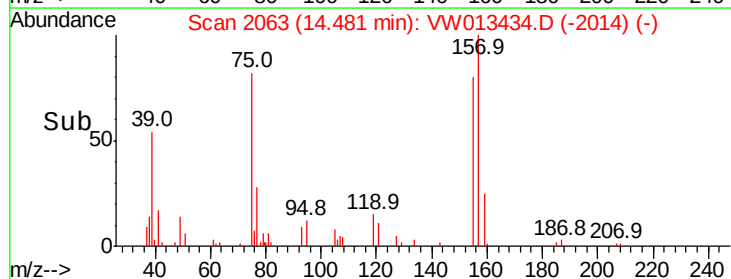
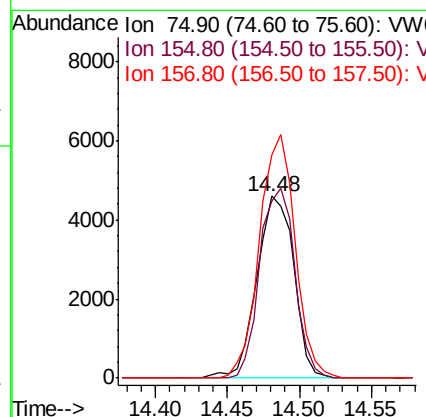
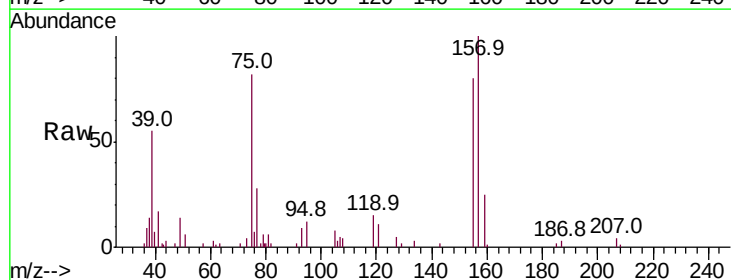
Instrument :
 MSVOA_W
 ClientSampleId :

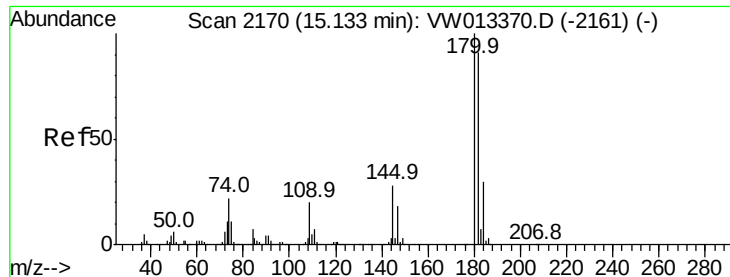
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.1	60.3
148	63.7	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.344 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013434.D
 Acq: 04 Oct 2019 13:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.4	46.1	138.3
157	128.8	60.4	181.2

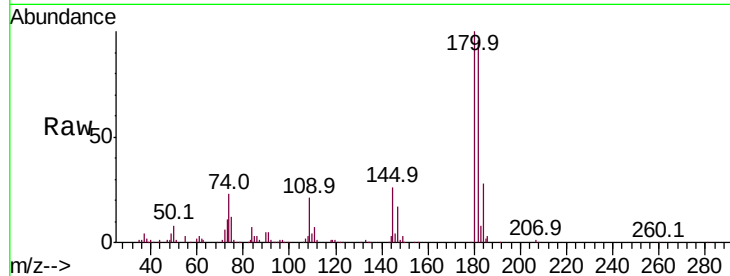




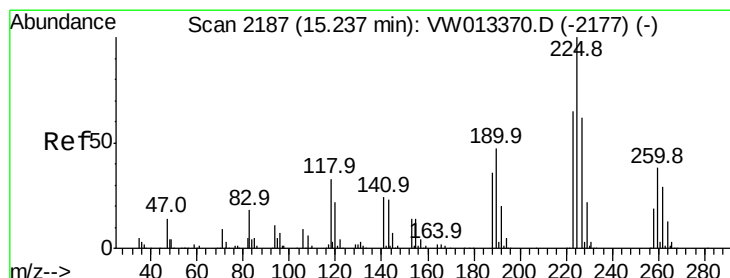
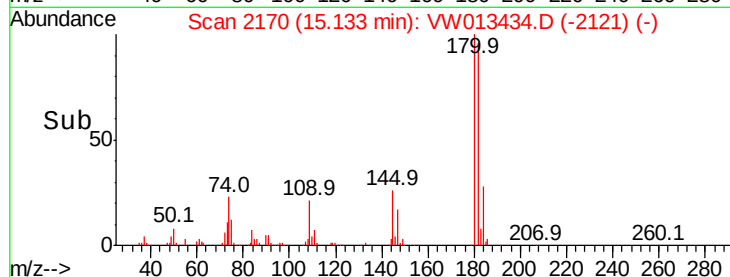
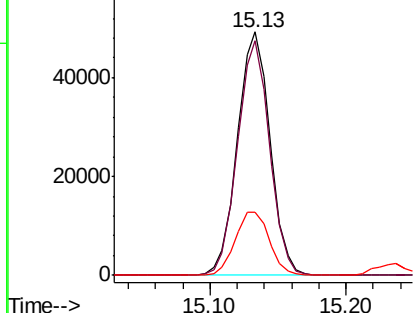
#93
1,2,4-Trichlorobenzene
Concen: 19.957 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VW013434.D
Acq: 04 Oct 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.3	142.0
145	27.1	14.2	42.8

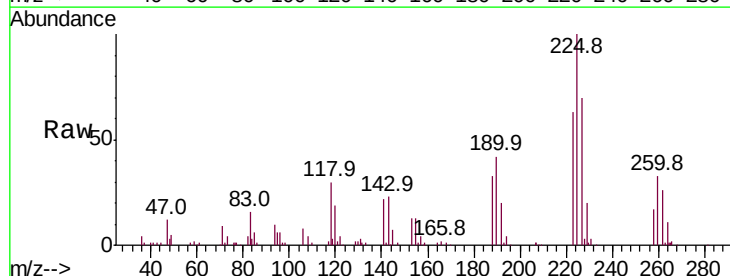


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

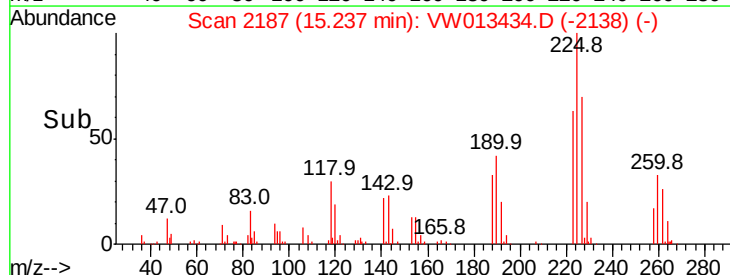
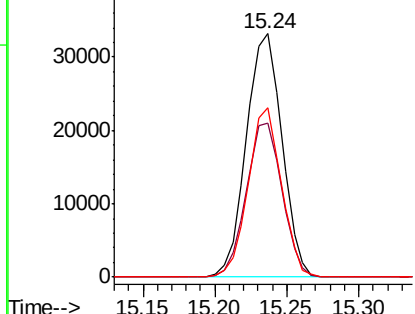


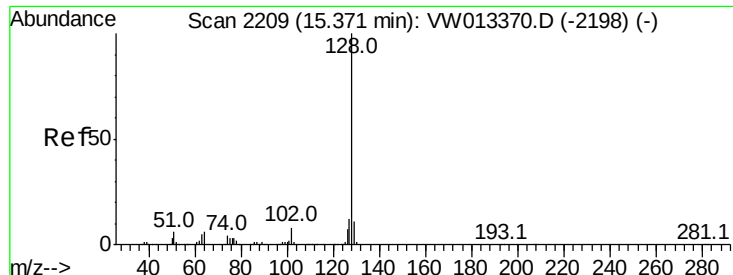
#94
Hexachlorobutadiene
Concen: 21.130 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.00 min
Lab File: VW013434.D
Acq: 04 Oct 2019 13:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	30.6	91.8
227	64.9	31.9	95.9



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

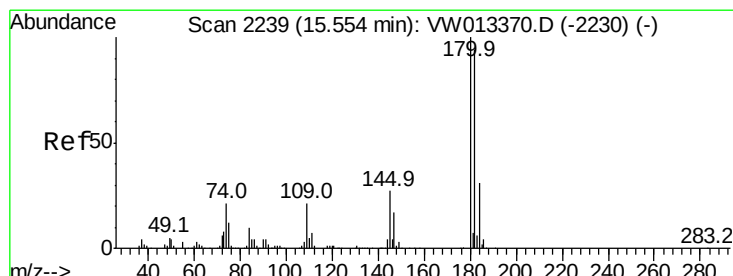
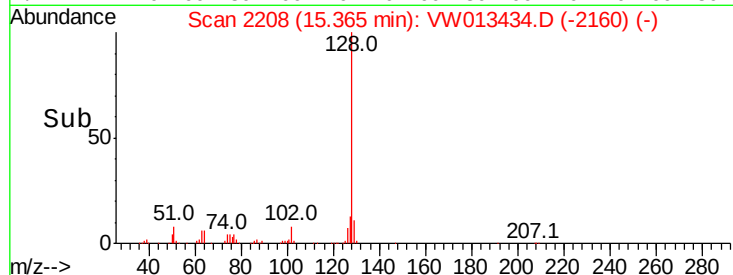
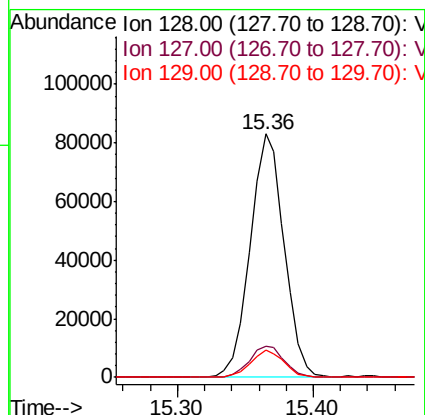
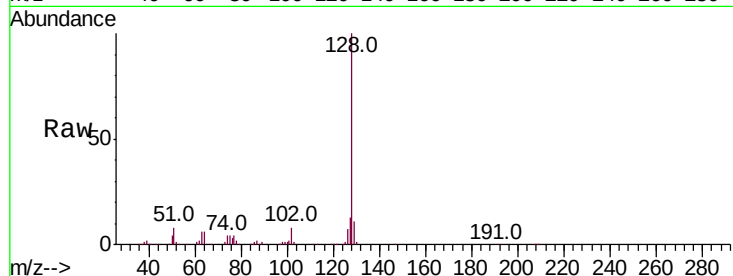




#95
Naphthalene
Concen: 20.800 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW013434.D
Acq: 04 Oct 2019 13:09

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:128 Resp: 145095
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.191 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013434.D
Acq: 04 Oct 2019 13:09

Tgt Ion:180 Resp: 72900
Ion Ratio Lower Upper
180 100
182 94.5 47.9 143.7
145 29.6 15.0 45.0

