

Data File : VW013450.D
Acq On : 04 Oct 2019 20:03
Operator : SY/VA
Sample : VSTDCCC050EC
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 05 04:59:38 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	338460	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	478851	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	411981	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	209581	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	125821	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
35) Dibromofluoromethane	7.88	113	123656	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
50) Toluene-d8	10.32	98	518226	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	
62) 4-Bromofluorobenzene	12.62	95	177569	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	50234	38.373	ug/l	99
3) Chloromethane	2.21	50	95421	44.171	ug/l	97
4) Vinyl Chloride	2.36	62	146587	47.813	ug/l	99
5) Bromomethane	2.76	94	83939	44.563	ug/l	95
6) Chloroethane	2.91	64	78638	44.420	ug/l	96
7) Trichlorofluoromethane	3.25	101	70235	52.804	ug/l	97
8) Diethyl Ether	3.68	74	76703	49.823	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	144606	49.037	ug/l	99
10) Methyl Iodide	4.27	142	224542	47.150	ug/l	99
11) Tert butyl alcohol	5.19	59	59680	287.876	ug/l	97
12) 1,1-Dichloroethene	4.04	96	150128	48.185	ug/l	93
13) Acrolein	3.89	56	48609	192.767	ug/l	97
14) Allyl chloride	4.66	41	234817	50.946	ug/l	98
15) Acrylonitrile	5.37	53	193422	277.925	ug/l	99
16) Acetone	4.12	43	165267	213.349	ug/l	98
17) Carbon Disulfide	4.38	76	417094	47.986	ug/l	99
18) Methyl Acetate	4.67	43	97185	53.603	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	244051	53.221	ug/l	98
20) Methylene Chloride	4.91	84	156770	48.421	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	160286	48.308	ug/l	97
22) Diisopropyl ether	6.31	45	450561	50.619	ug/l	98
23) Vinyl Acetate	6.25	43	1422012	266.244	ug/l	99
24) 1,1-Dichloroethane	6.21	63	261627	48.257	ug/l	98
25) 2-Butanone	7.17	43	247101	249.295	ug/l	94
26) 2,2-Dichloropropane	7.17	77	158307	50.484	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	171539	49.391	ug/l	97
28) Bromochloromethane	7.51	49	103680	52.893	ug/l	96
29) Tetrahydrofuran	7.53	42	162969	281.409	ug/l	99
30) Chloroform	7.67	83	254624	47.897	ug/l	98
31) Cyclohexane	7.95	56	275420	47.636	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	209673	50.344	ug/l	98
36) 1,1-Dichloropropene	8.08	75	220803	49.645	ug/l	99
37) Ethyl Acetate	7.25	43	111200	56.630	ug/l	99
38) Carbon Tetrachloride	8.07	117	194254	50.420	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	297277	50.752	ug/l	99
40) Benzene	8.32	78	623212	49.500	ug/l	98
41) Methacrylonitrile	7.48	41	65360	55.225	ug/l	97
42) 1,2-Dichloroethane	8.40	62	165536	51.156	ug/l	97
43) Isopropyl Acetate	8.42	43	208173	56.348	ug/l	98
44) Trichloroethene	9.09	130	177201	49.980	ug/l	94
45) 1,2-Dichloropropane	9.37	63	151941	50.263	ug/l	98
46) Dibromomethane	9.46	93	76784	50.996	ug/l	95
47) Bromodichloromethane	9.64	83	188063	50.738	ug/l	97
48) Methyl methacrylate	9.43	41	104476	58.856	ug/l	95
49) 1,4-Dioxane	9.46	88	28041	1212.081	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	540359	278.389	ug/l	99
52) Toluene	10.38	92	403873	49.734	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	201706	52.317	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	242823	51.947	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	117191	52.175	ug/l	98
56) Ethyl methacrylate	10.65	69	168132	55.613	ug/l	98
57) 1,3-Dichloropropane	10.93	76	204065	52.260	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	368509	296.733	ug/l	99
59) 2-Hexanone	10.97	43	375536	279.130	ug/l	99
60) Dibromochloromethane	11.13	129	137880	53.658	ug/l	98
61) 1,2-Dibromoethane	11.23	107	116768	53.799	ug/l	99
64) Tetrachloroethene	10.86	164	159428	50.865	ug/l	98
65) Chlorobenzene	11.66	112	423403	50.165	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	150679	52.415	ug/l	98
67) Ethyl Benzene	11.73	91	768150	50.780	ug/l	99
68) m/p-Xylenes	11.84	106	589760	101.006	ug/l	99
69) o-Xylene	12.16	106	272802	50.533	ug/l	97
70) Styrene	12.18	104	474627	51.431	ug/l	99
71) Bromoform	12.35	173	85566	54.900	ug/l #	99
73) Isopropylbenzene	12.46	105	776395	50.644	ug/l	100
74) N-amyl acetate	12.27	43	185208	56.767	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	141815	54.654	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	177930	95.523	ug/l #	100
77) Bromobenzene	12.74	156	180887	49.139	ug/l	98
78) n-propylbenzene	12.80	91	889825	50.460	ug/l	99
79) 2-Chlorotoluene	12.89	91	496216	50.662	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	631906	49.620	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	48109	54.509	ug/l	94
82) 4-Chlorotoluene	12.99	91	515645	50.257	ug/l	100
83) tert-Butylbenzene	13.21	119	572462	51.465	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	632395	49.953	ug/l	99
85) sec-Butylbenzene	13.38	105	792259	51.659	ug/l	100
86) p-Isopropyltoluene	13.50	119	728003	51.221	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	346230	49.994	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	333693	48.123	ug/l	99
89) n-Butylbenzene	13.82	91	663496	51.780	ug/l	100
90) Hexachloroethane	14.09	117	122335	52.099	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	305129	49.840	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	22657	58.377	ug/l	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100419\
Quantitation Report (Not Reviewed)

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VSTDCCC050EC

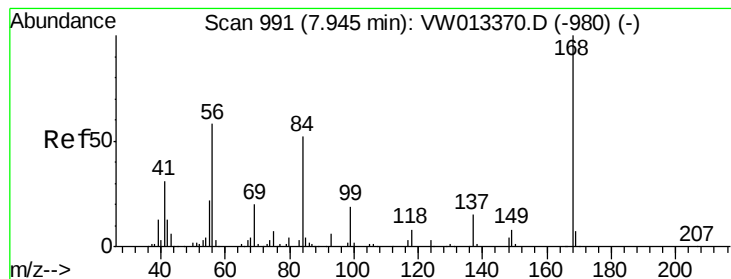
Quant Time: Oct 05 04:59:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 02 11:49:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	227779	51.843	ug/l	98
94) Hexachlorobutadiene	15.23	225	147760	51.771	ug/l	98
95) Naphthalene	15.36	128	434411	58.612	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	201307	52.478	ug/l	99

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

Quant Time: Oct 05 04:49:29 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

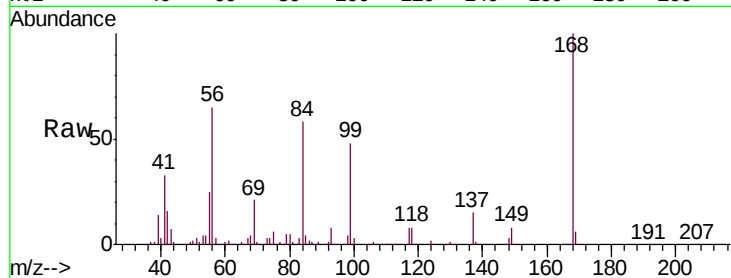
VSTDCCC050EC

Tgt Ion: 168 Resp: 338460

Ion Ratio Lower Upper

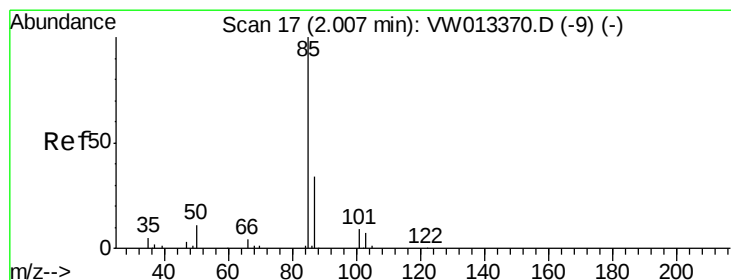
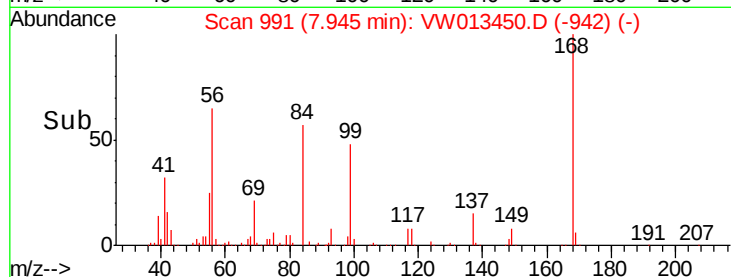
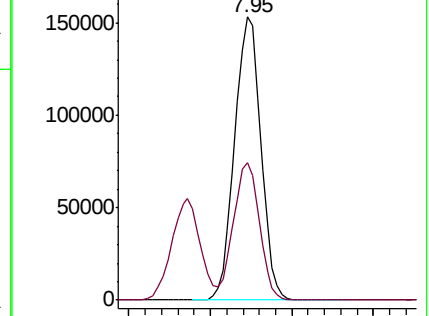
168 100

99 48.3 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 38.373 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013450.D

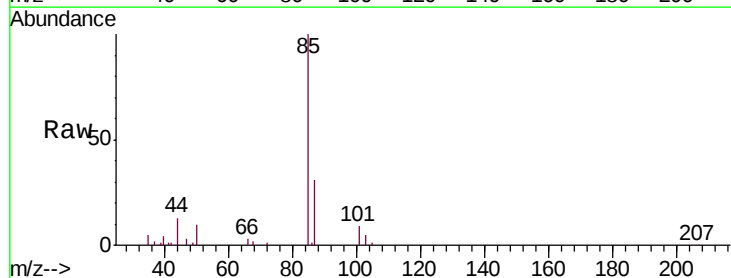
Acq: 04 Oct 2019 20:03

Tgt Ion: 85 Resp: 50234

Ion Ratio Lower Upper

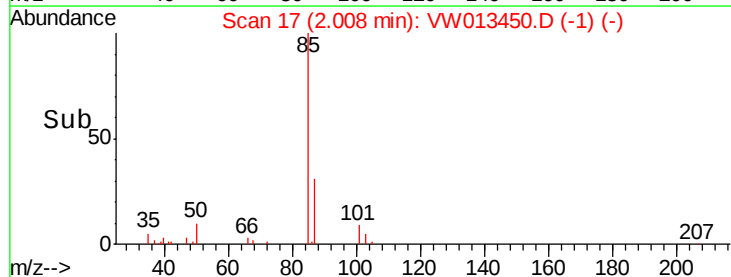
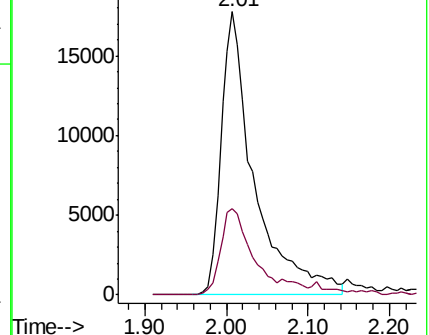
85 100

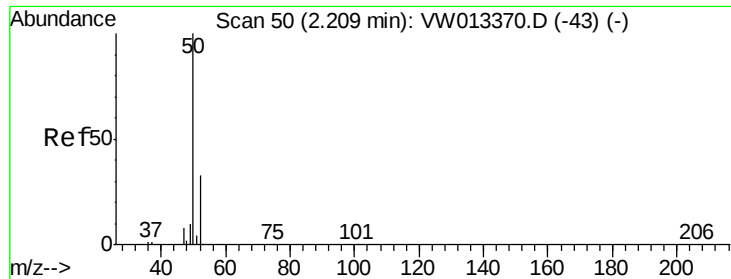
87 30.5 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 44.171 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

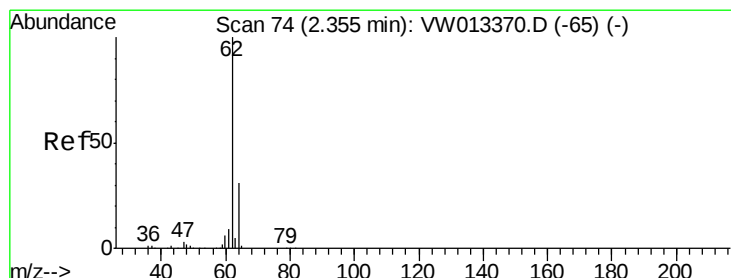
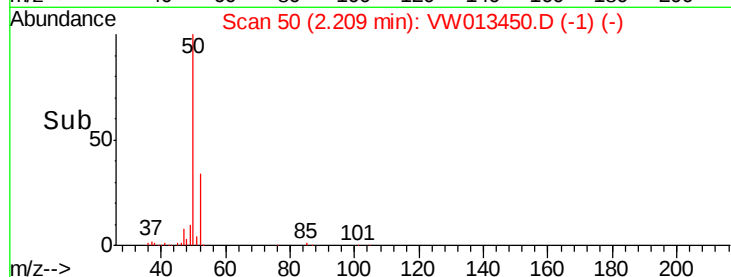
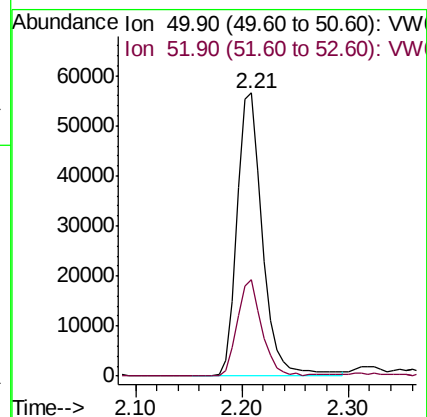
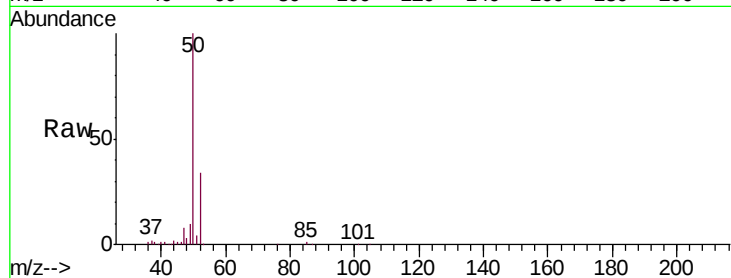
VSTDCCC050EC

Tgt Ion: 50 Resp: 95421

Ion Ratio Lower Upper

50 100

52 34.0 26.1 39.1



#4

Vinyl Chloride

Concen: 47.813 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW013450.D

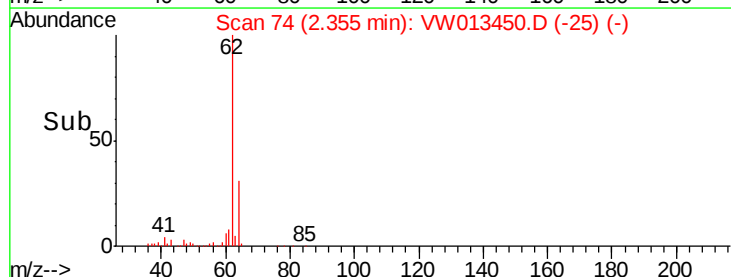
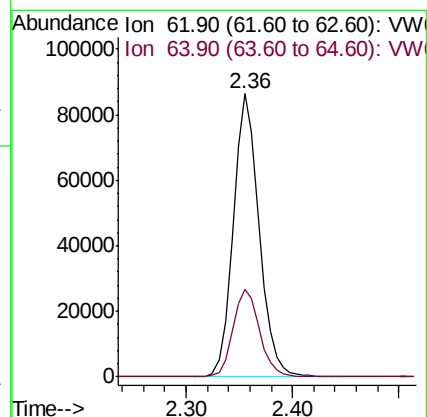
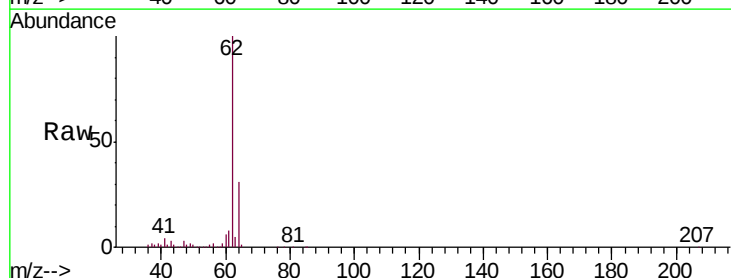
Acq: 04 Oct 2019 20:03

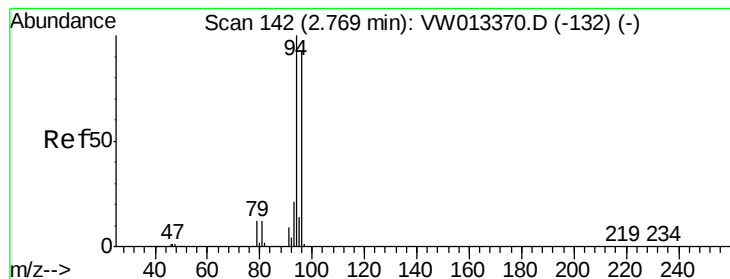
Tgt Ion: 62 Resp: 146587

Ion Ratio Lower Upper

62 100

64 31.0 25.3 37.9





#5

Bromomethane

Concen: 44.563 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

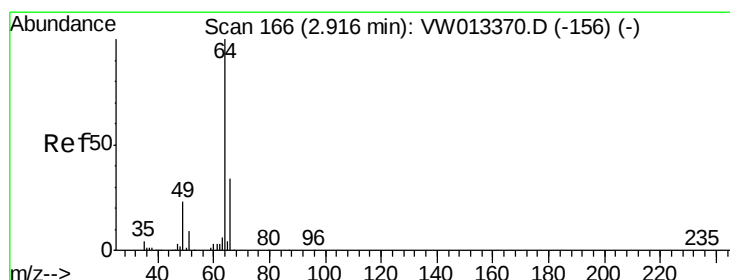
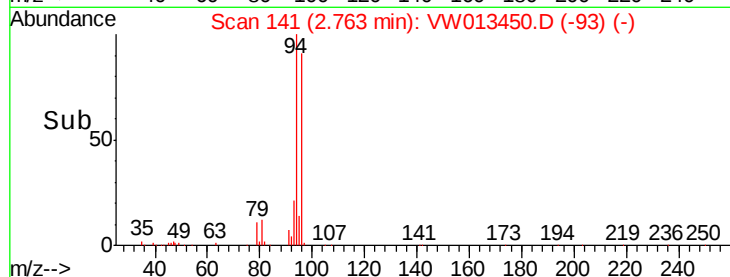
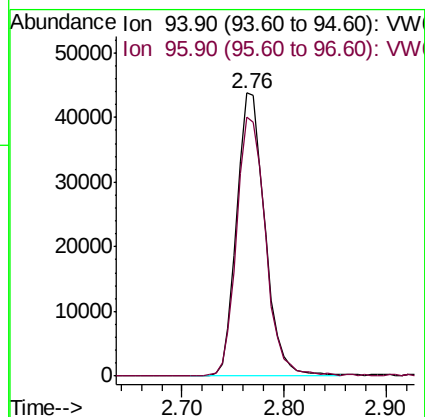
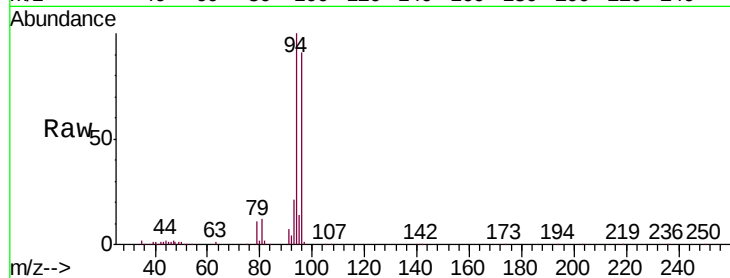
VSTDCCC050EC

Tgt Ion: 94 Resp: 83939

Ion Ratio Lower Upper

94 100

96 91.5 69.7 104.5



#6

Chloroethane

Concen: 44.420 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013450.D

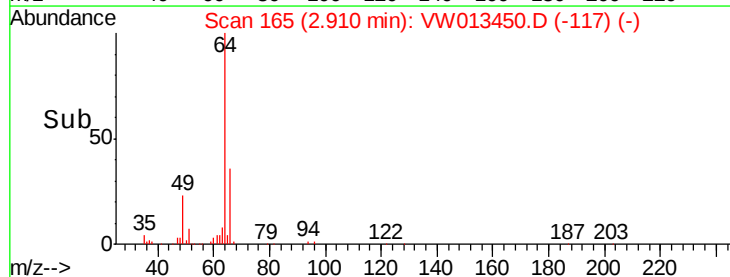
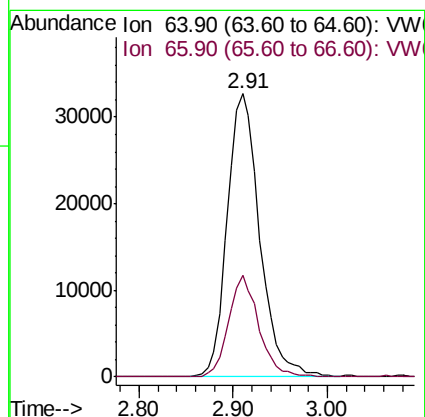
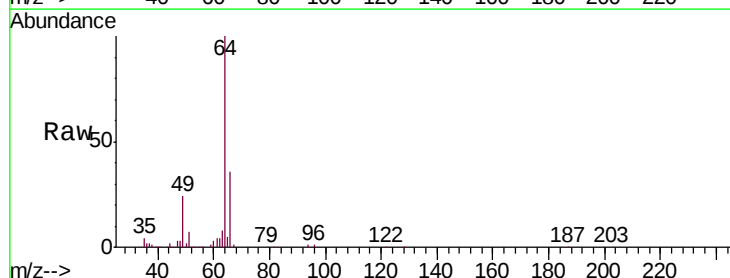
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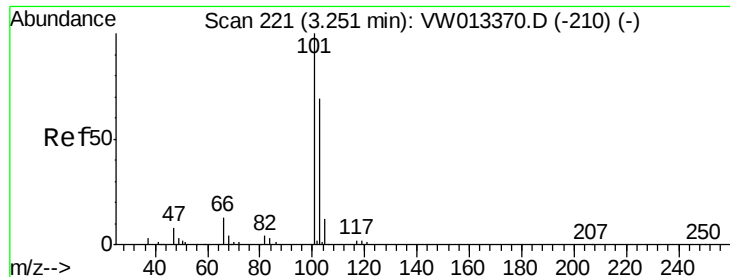
Tgt Ion: 64 Resp: 78638

Ion Ratio Lower Upper

64 100

66 35.7 26.6 39.8



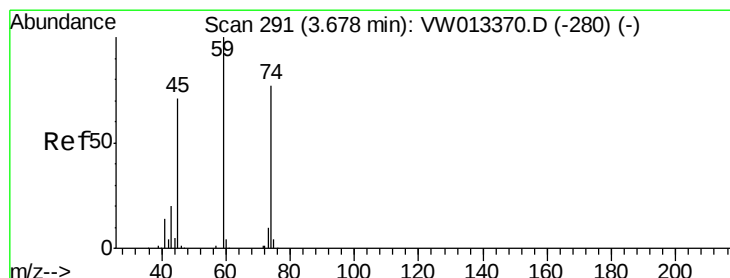
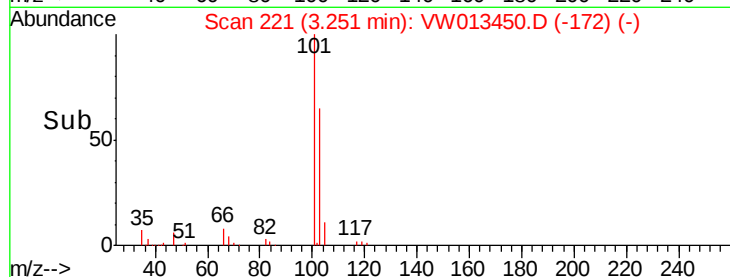
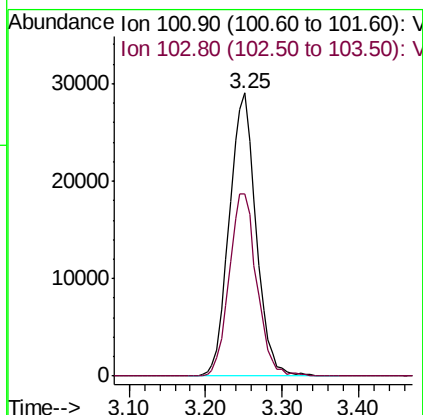
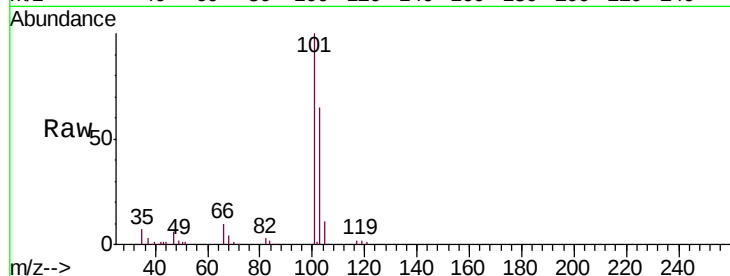


#7

Trichlorofluoromethane
 Concen: 52.804 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

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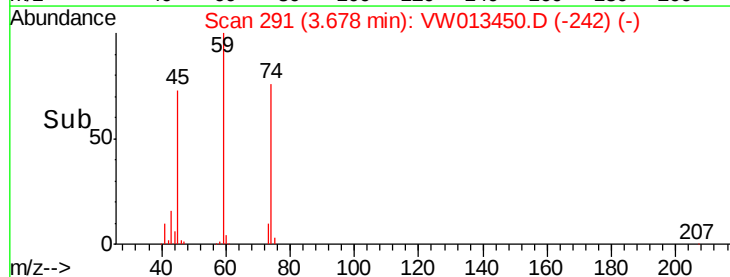
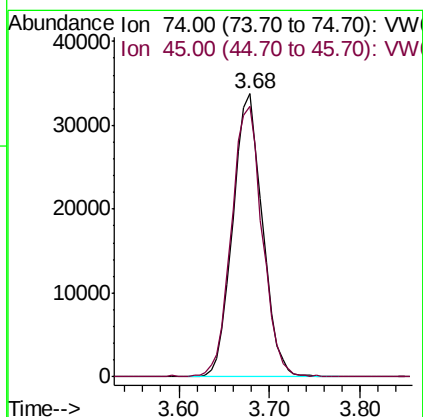
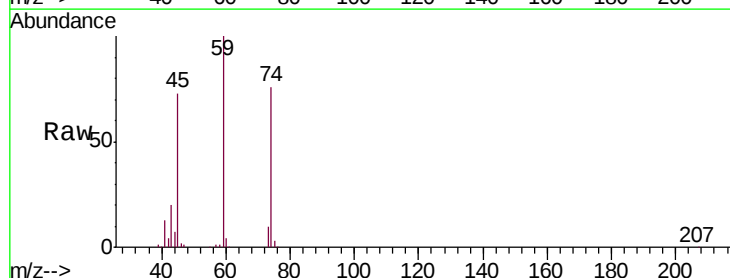
Tgt Ion:101 Resp: 70235
 Ion Ratio Lower Upper
 101 100
 103 64.5 49.7 74.5

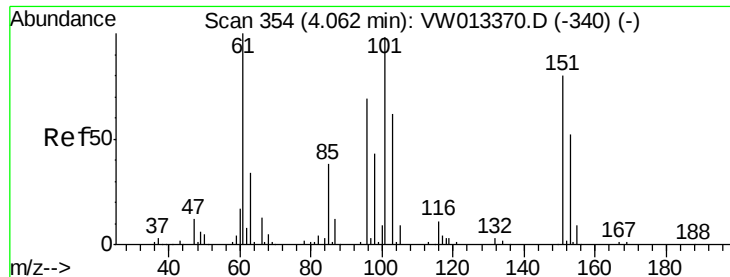


#8

Diethyl Ether
 Concen: 49.823 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

Tgt Ion: 74 Resp: 76703
 Ion Ratio Lower Upper
 74 100
 45 98.8 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.037 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

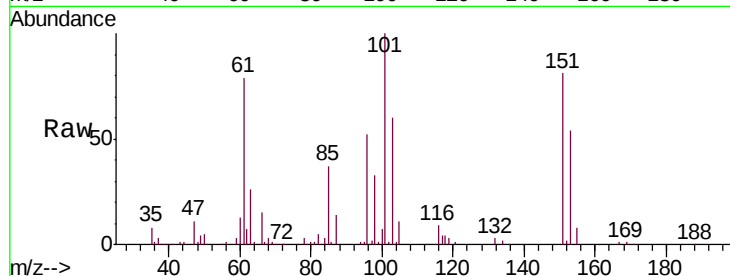
Tgt Ion:101 Resp: 144606

Ion Ratio Lower Upper

101 100

85 41.1 33.4 50.0

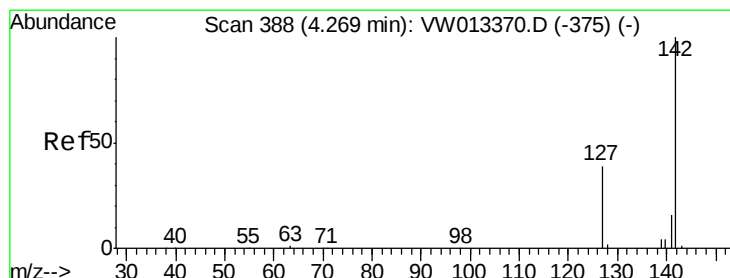
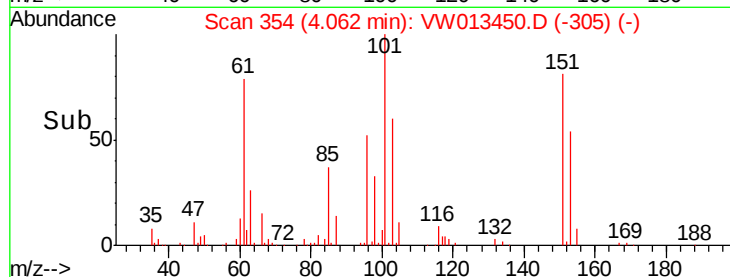
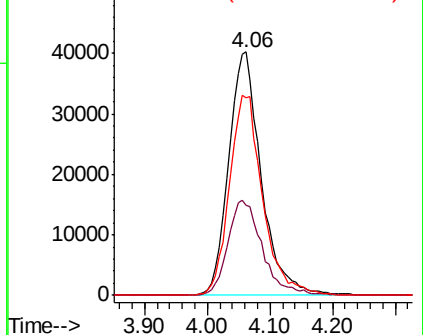
151 83.9 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.150 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

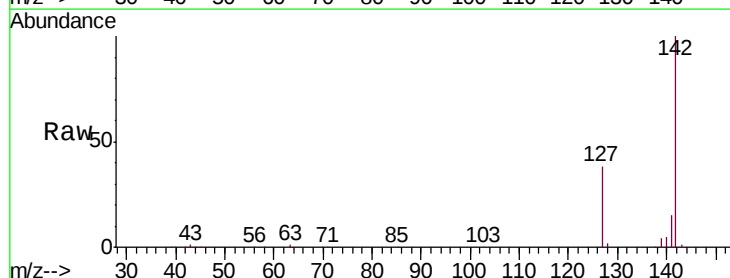
Tgt Ion:142 Resp: 224542

Ion Ratio Lower Upper

142 100

127 37.9 30.9 46.3

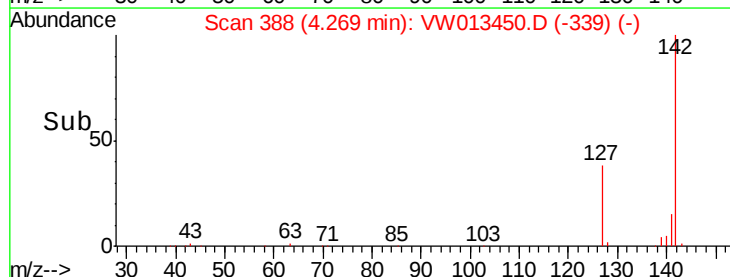
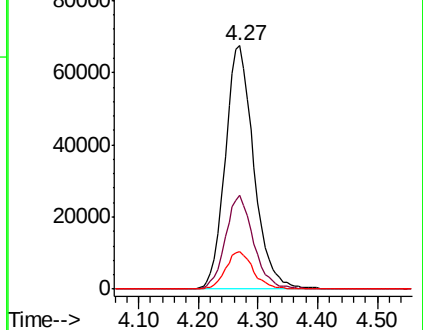
141 15.1 11.7 17.5

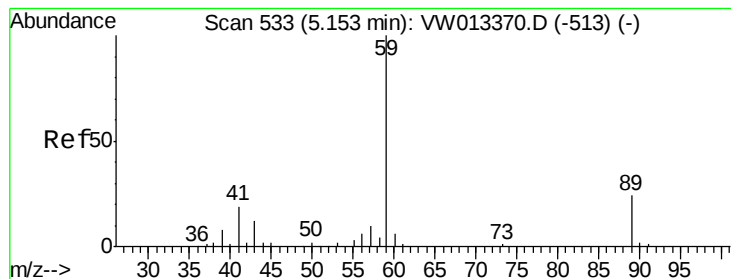


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



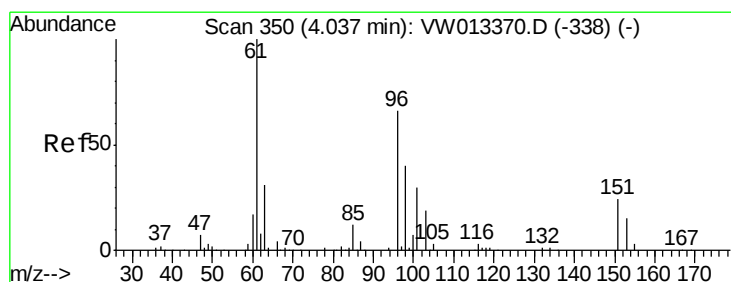
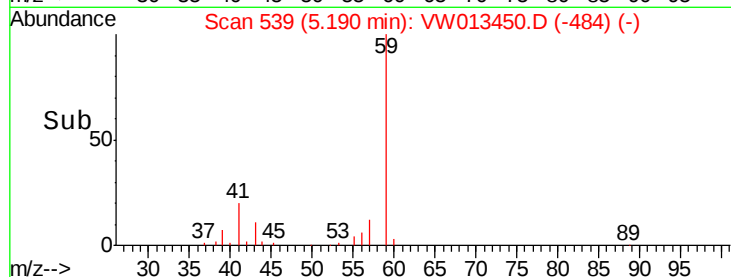
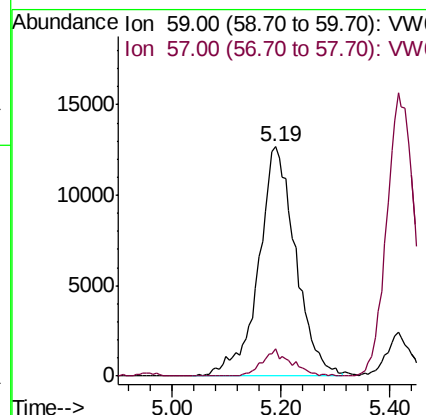
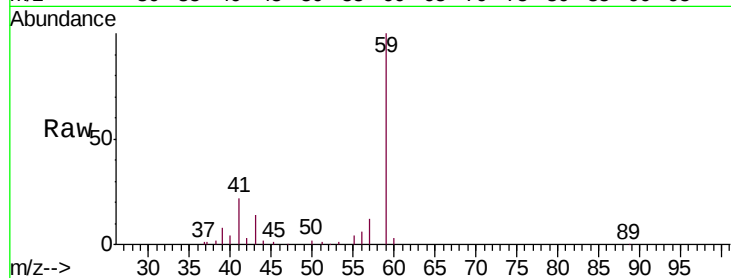


#11

Tert butyl alcohol
 Concen: 287.876 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.04 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

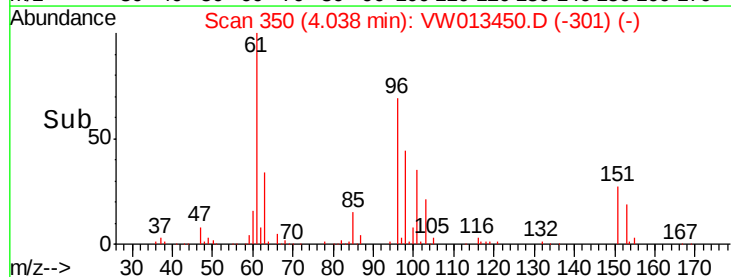
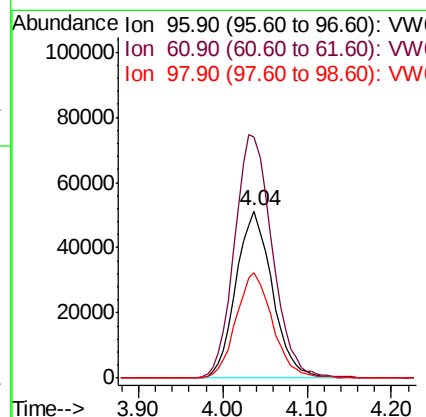
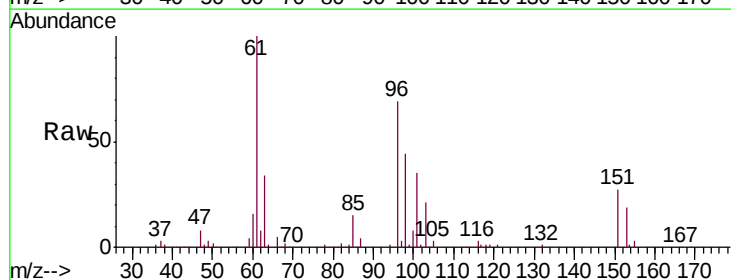
Tgt Ion: 59 Resp: 59680
 Ion Ratio Lower Upper
 59 100
 57 9.2 8.2 12.2

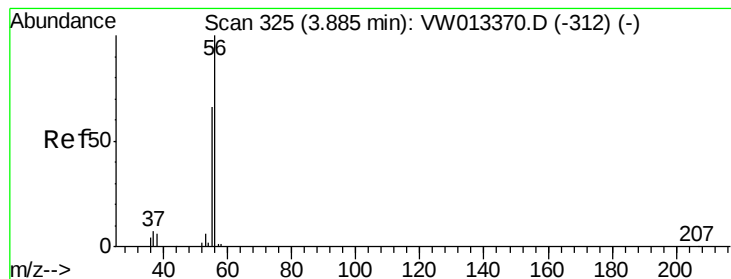


#12

1,1-Dichloroethene
 Concen: 48.185 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

Tgt Ion: 96 Resp: 150128
 Ion Ratio Lower Upper
 96 100
 61 144.2 125.1 187.7
 98 63.0 50.8 76.2





#13

Acrolein

Concen: 192.767 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

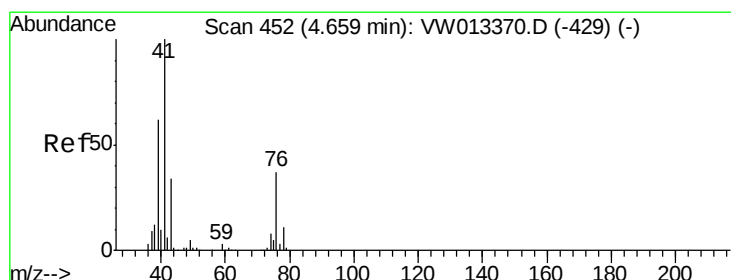
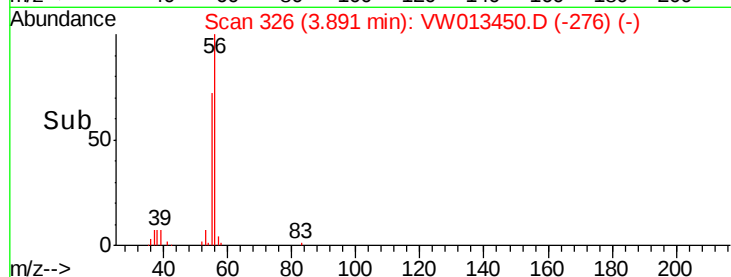
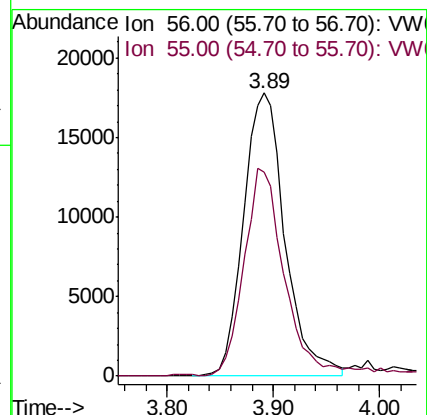
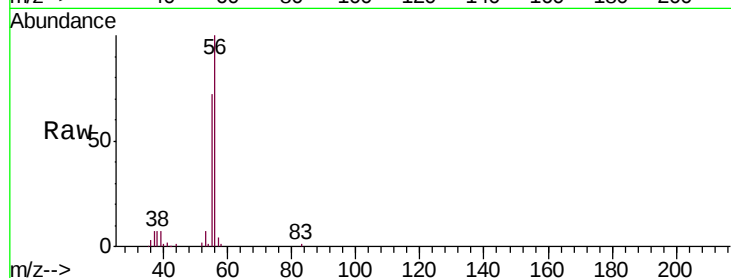
VSTDCCC050EC

Tgt Ion: 56 Resp: 48609

Ion Ratio Lower Upper

56 100

55 71.3 55.4 83.0



#14

Allyl chloride

Concen: 50.946 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

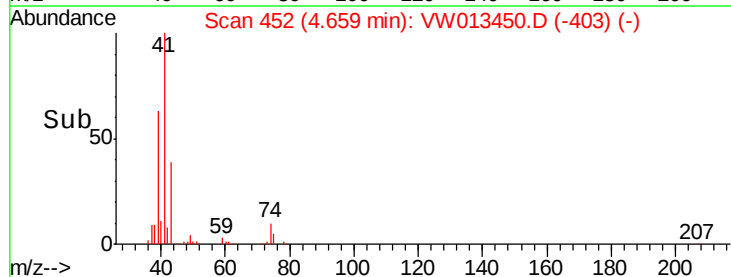
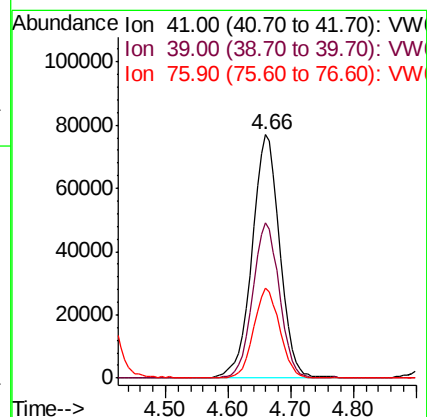
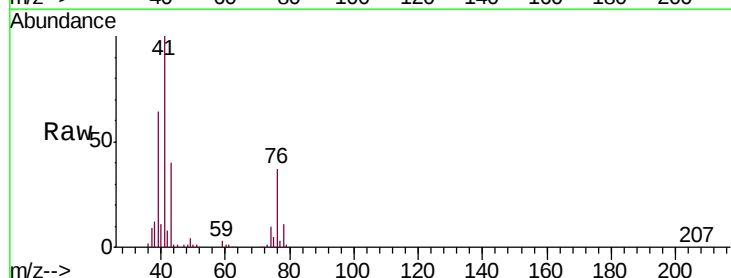
Tgt Ion: 41 Resp: 234817

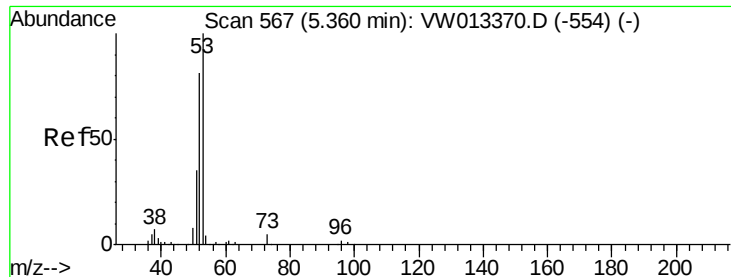
Ion Ratio Lower Upper

41 100

39 61.7 51.0 76.4

76 34.6 28.4 42.6





#15

Acrylonitrile

Concen: 277.925 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

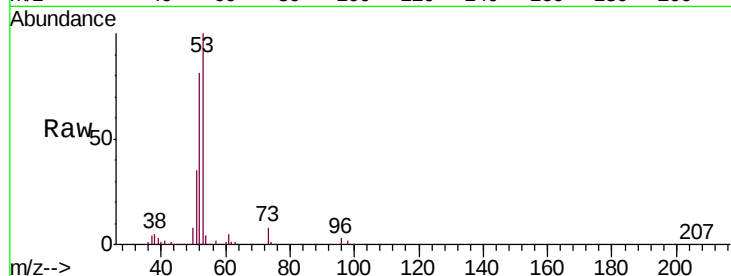
Tgt Ion: 53 Resp: 193422

Ion Ratio Lower Upper

53 100

52 82.8 65.3 97.9

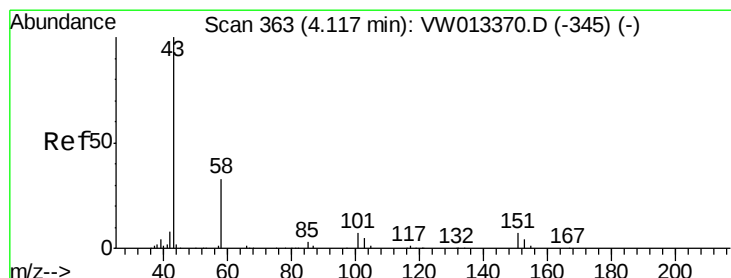
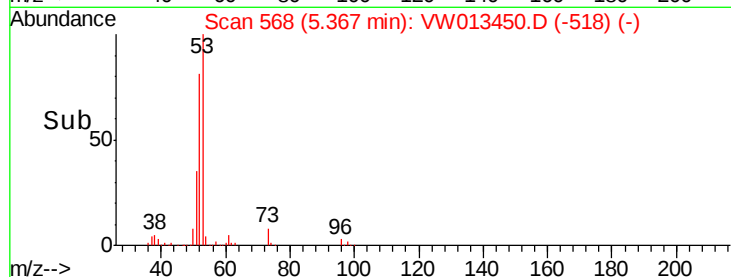
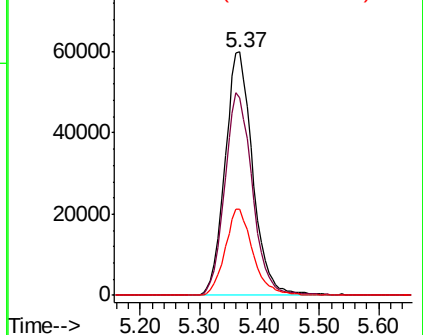
51 35.3 29.0 43.4



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 213.349 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW013450.D

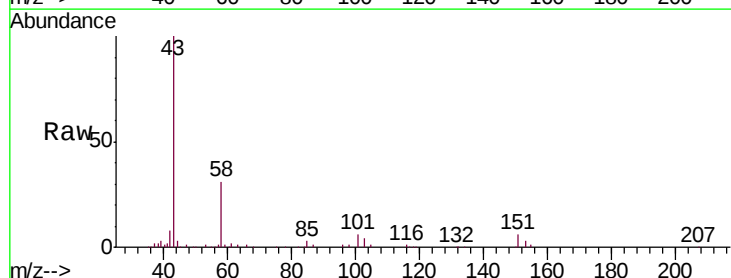
Acq: 04 Oct 2019 20:03

Tgt Ion: 43 Resp: 165267

Ion Ratio Lower Upper

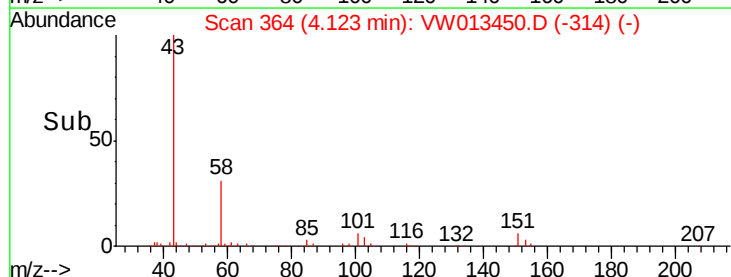
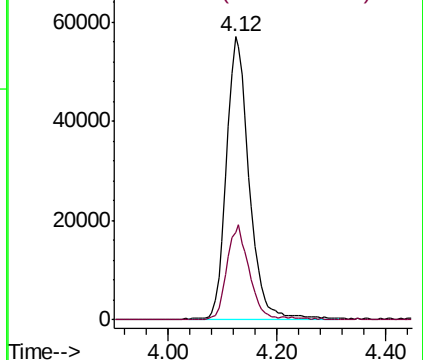
43 100

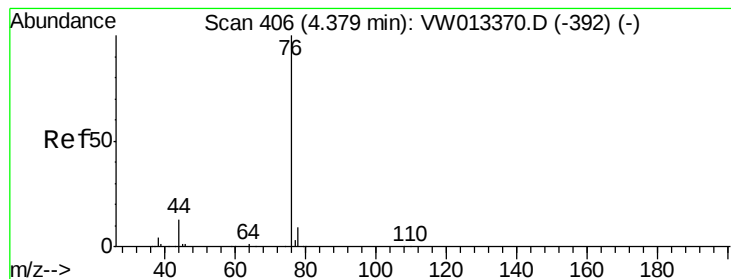
58 31.0 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 47.986 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

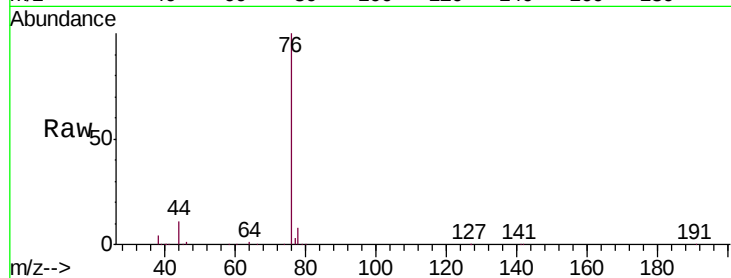
VSTDCCC050EC

Tgt Ion: 76 Resp: 417094

Ion Ratio Lower Upper

76 100

78 8.4 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

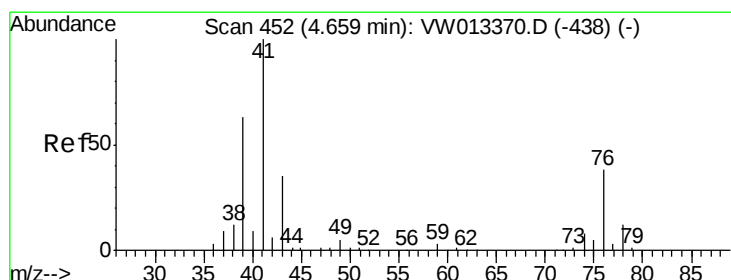
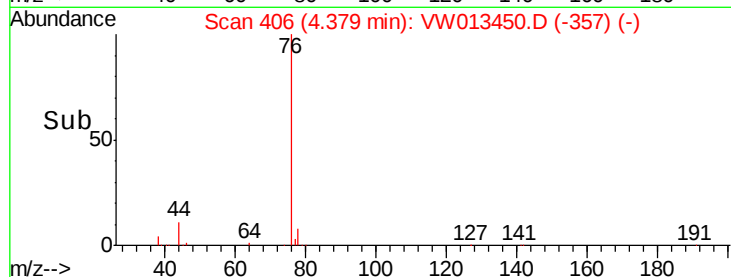
150000

100000

50000

0

Time--> 4.20 4.30 4.40 4.50 4.60



#18

Methyl Acetate

Concen: 53.603 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW013450.D

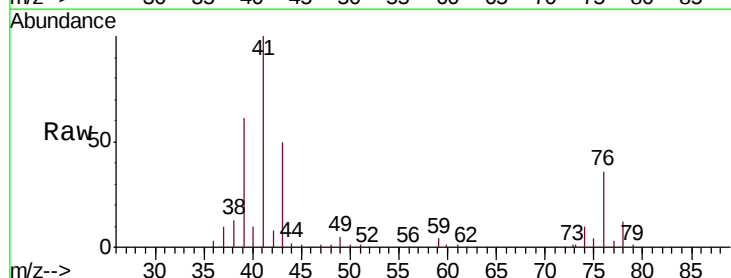
Acq: 04 Oct 2019 20:03

Tgt Ion: 43 Resp: 97185

Ion Ratio Lower Upper

43 100

74 24.7 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

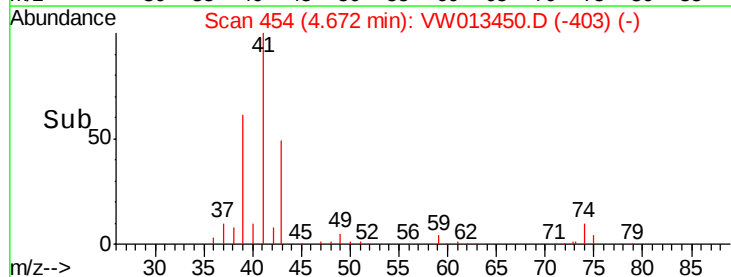
30000

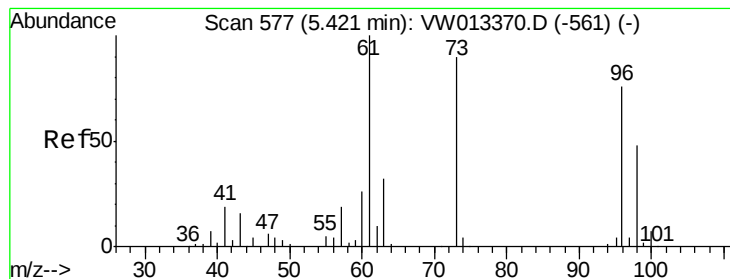
20000

10000

0

Time--> 4.50 4.60 4.70 4.80





#19

Methyl tert-butyl Ether

Concen: 53.221 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

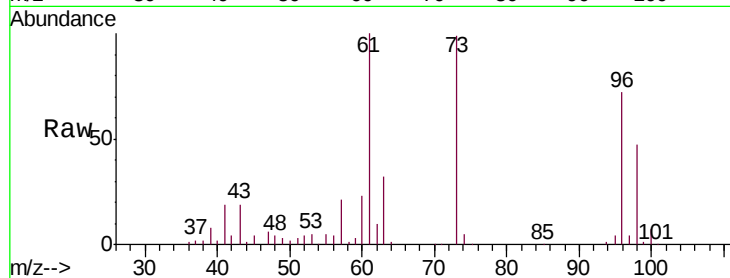
VSTDCCC050EC

Tgt Ion: 73 Resp: 244051

Ion Ratio Lower Upper

73 100

57 21.1 17.6 26.4



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.42

80000

60000

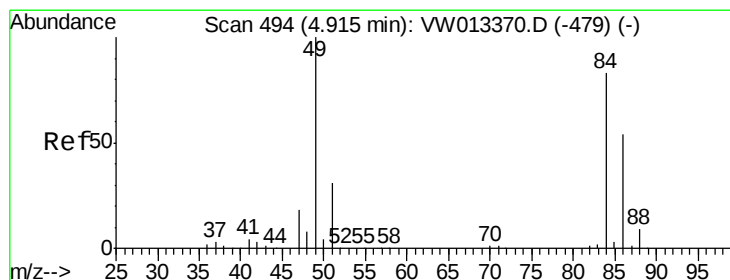
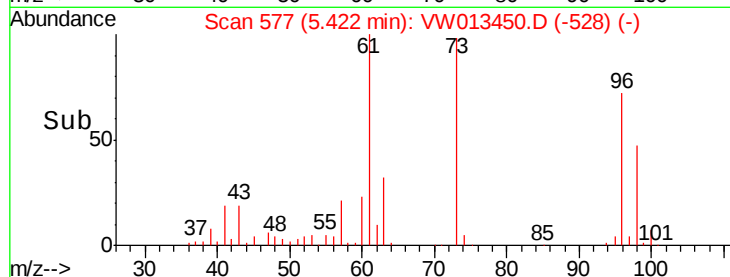
40000

20000

0

Time-->

5.30 5.40 5.50 5.60



#20

Methylene Chloride

Concen: 48.421 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Tgt Ion: 84 Resp: 156770

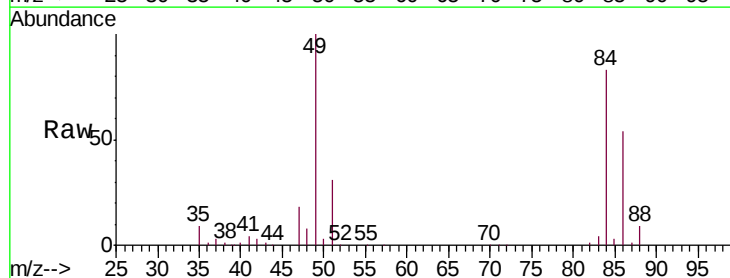
Ion Ratio Lower Upper

84 100

49 120.5 97.6 146.4

51 37.0 30.2 45.2

86 64.9 50.6 76.0



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

80000

60000

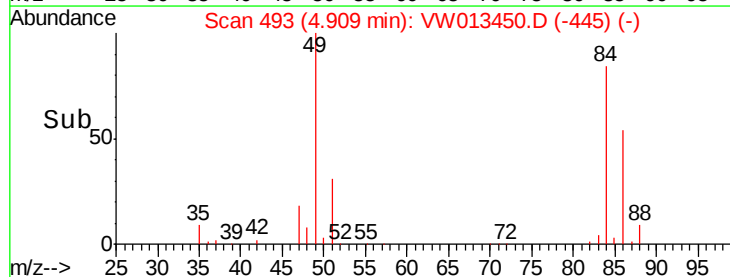
40000

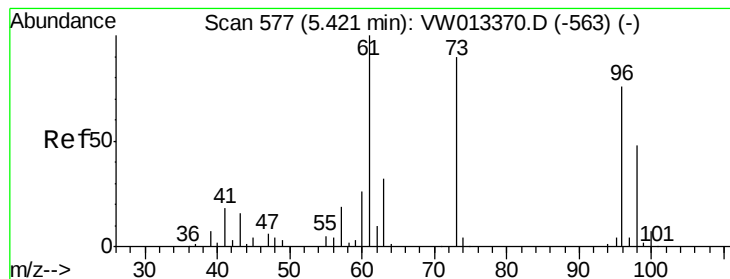
20000

0

Time-->

4.80 4.90 5.00 5.10





#21

trans-1,2-Dichloroethene

Concen: 48.308 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

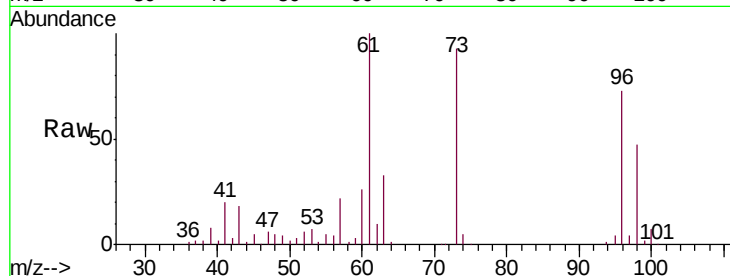
Tgt Ion: 96 Resp: 160286

Ion Ratio Lower Upper

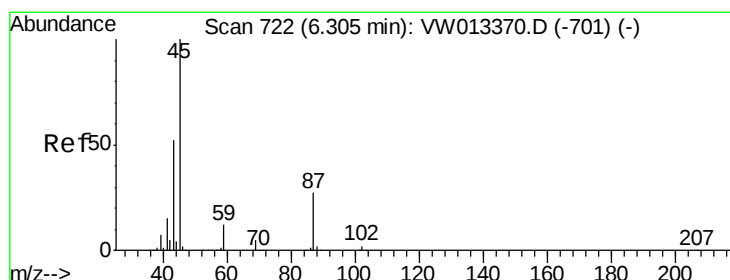
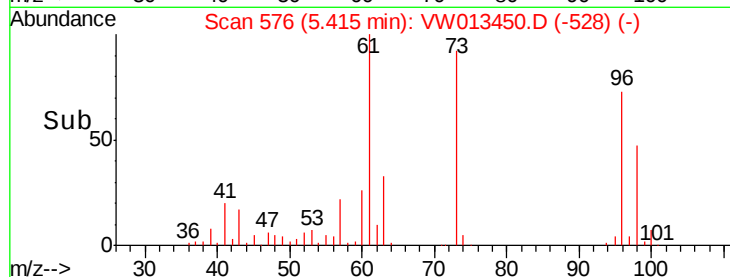
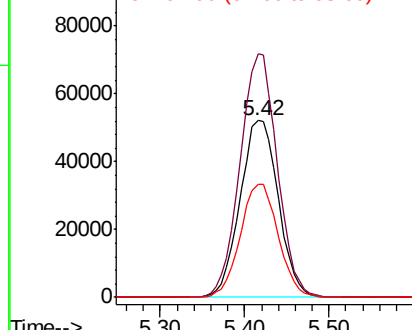
96 100

61 137.5 106.6 159.8

98 64.0 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: 50.619 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Tgt Ion: 45 Resp: 450561

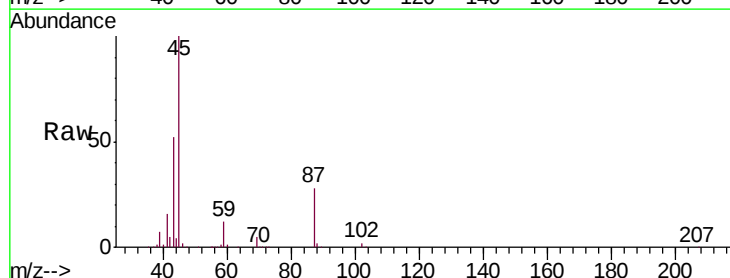
Ion Ratio Lower Upper

45 100

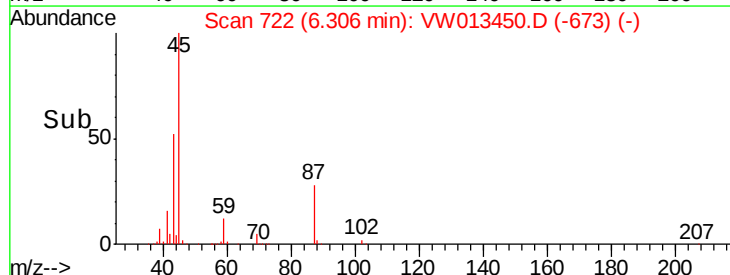
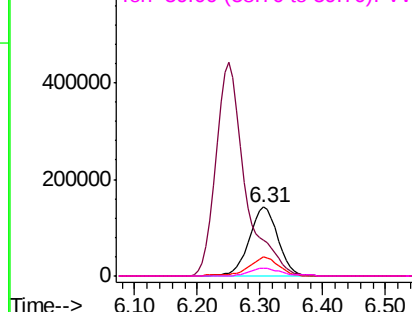
43 52.0 42.4 63.6

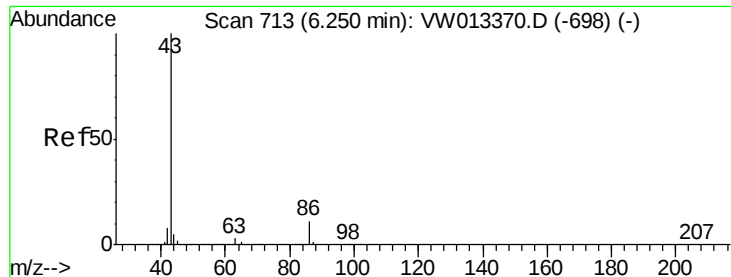
87 27.6 20.4 30.6

59 11.7 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

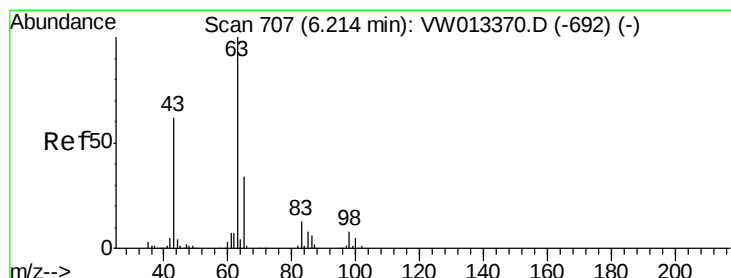
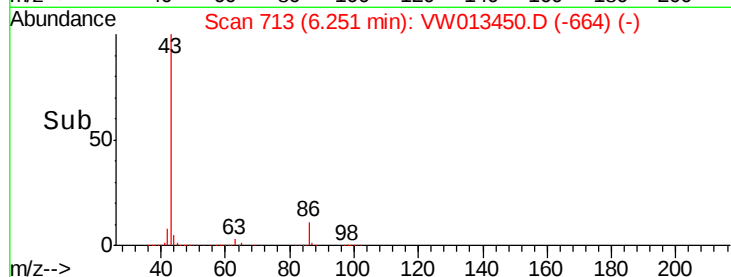
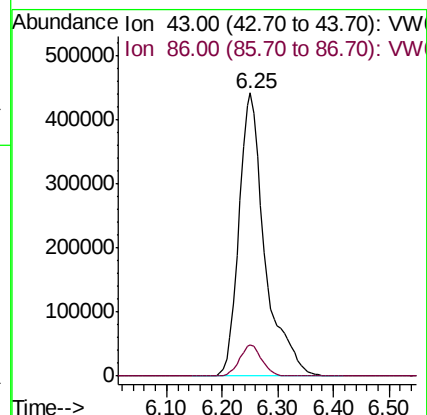
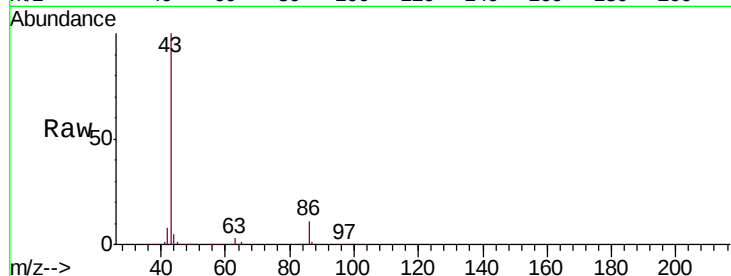




#23
 Vinyl Acetate
 Concen: 266.244 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

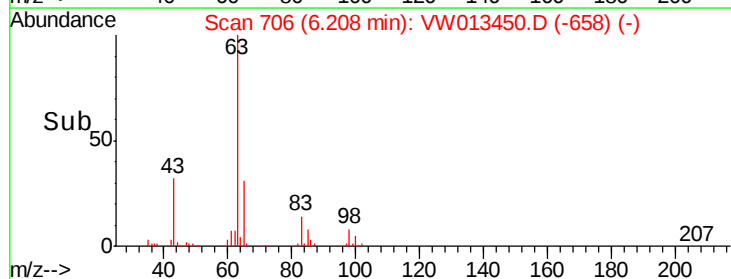
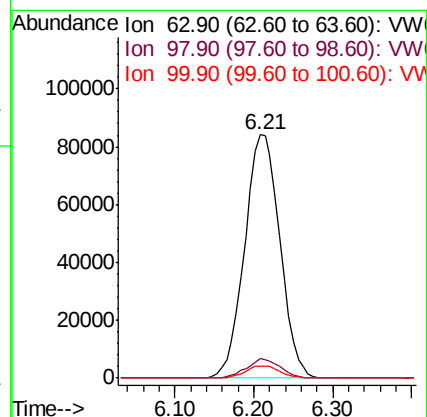
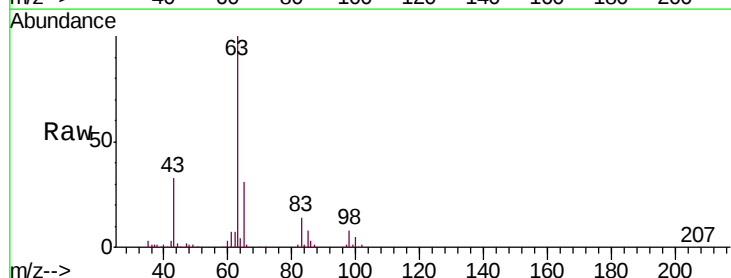
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

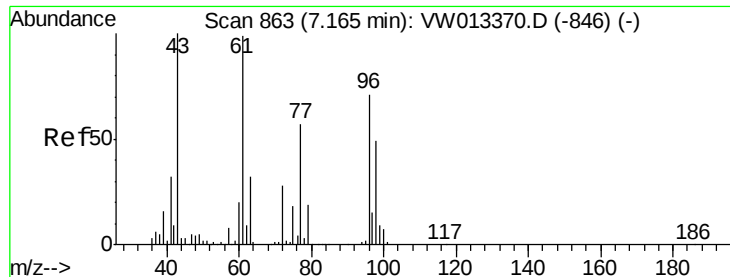
Tgt Ion: 43 Resp: 1422012
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 48.257 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

Tgt Ion: 63 Resp: 261627
 Ion Ratio Lower Upper
 63 100
 98 8.1 3.5 10.5
 100 4.7 2.4 7.1





#25

2-Butanone

Concen: 249.295 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

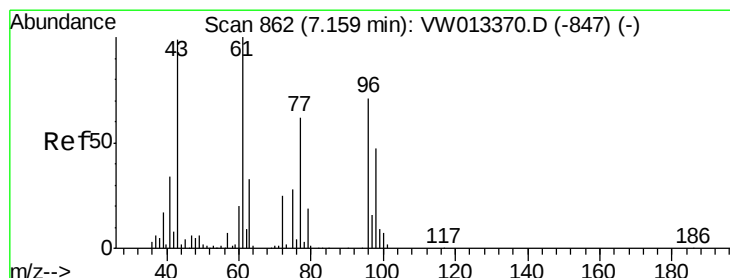
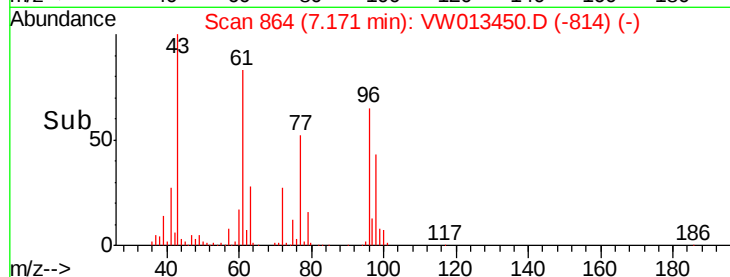
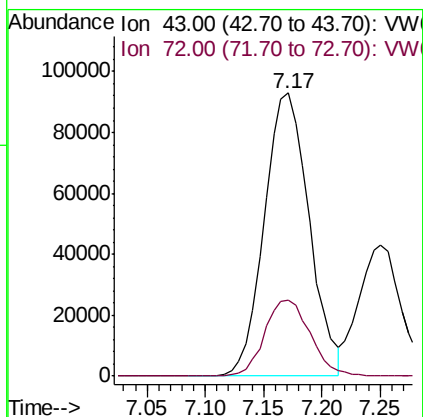
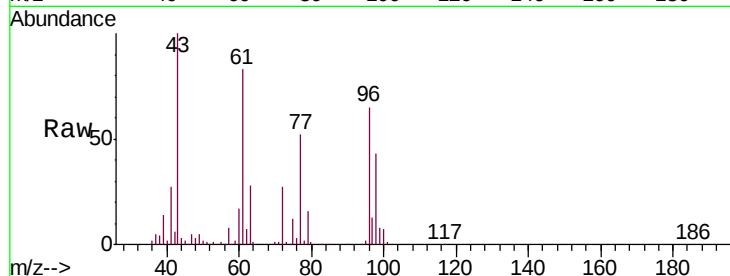
VSTDCCC050EC

Tgt Ion: 43 Resp: 247101

Ion Ratio Lower Upper

43 100

72 27.0 19.4 29.0



#26

2,2-Dichloropropane

Concen: 50.484 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW013450.D

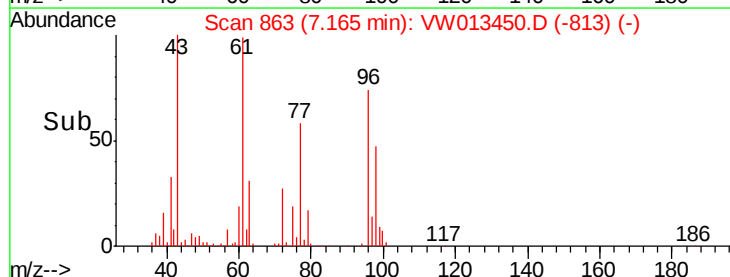
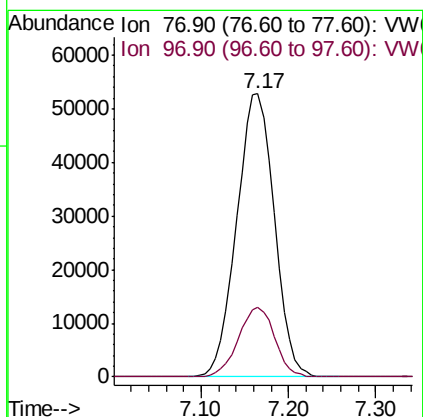
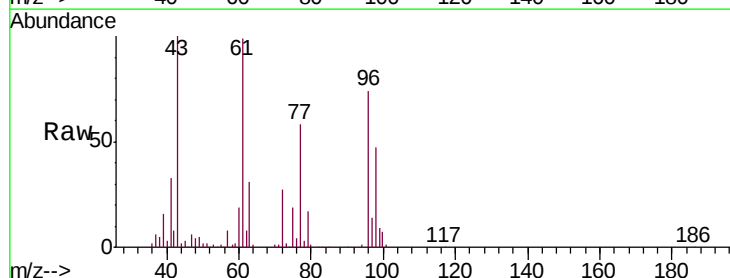
Acq: 04 Oct 2019 20:03

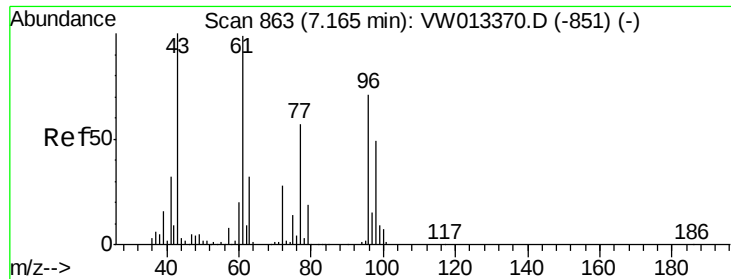
Tgt Ion: 77 Resp: 158307

Ion Ratio Lower Upper

77 100

97 23.6 11.8 35.4



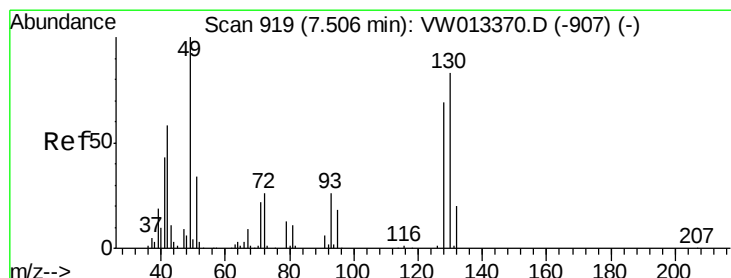
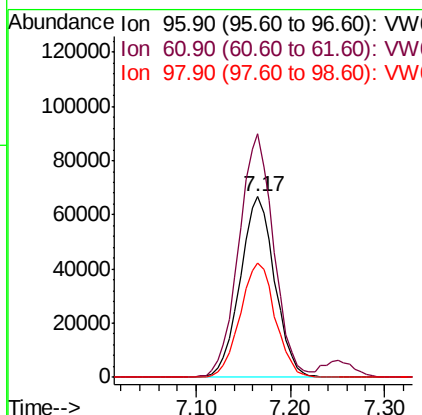
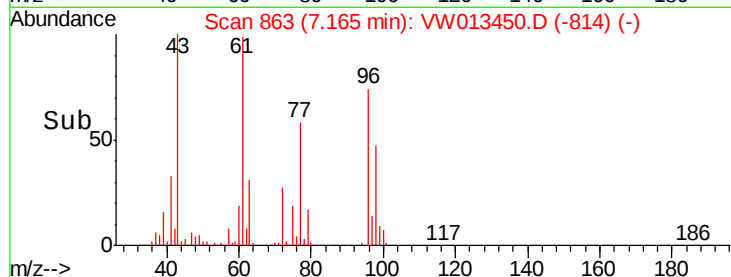
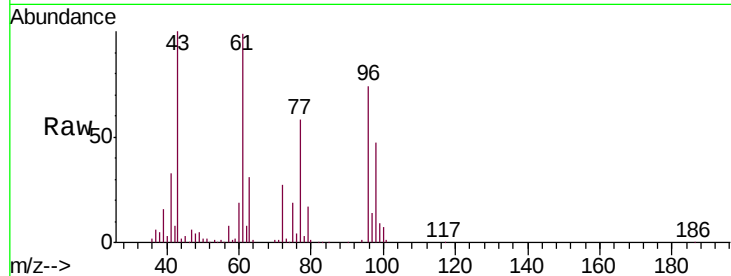


#27

cis-1,2-Dichloroethene
Concen: 49.391 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

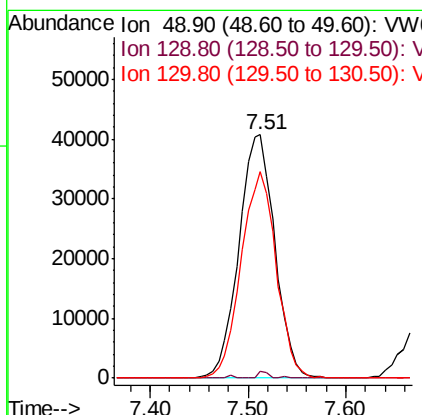
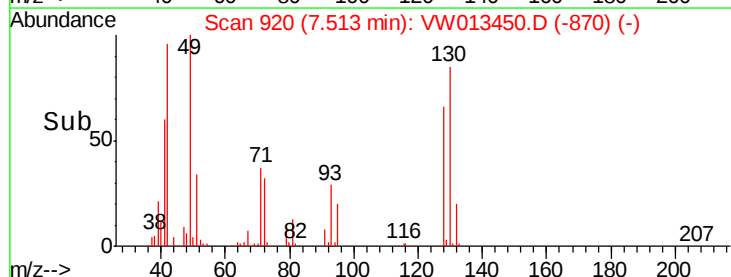
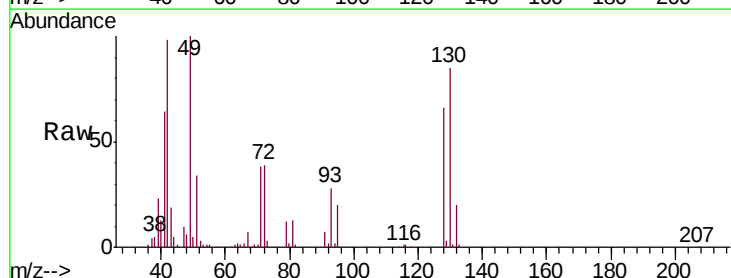
Tgt Ion: 96 Resp: 171539
Ion Ratio Lower Upper
96 100
61 135.4 0.0 282.4
98 64.5 0.0 128.2

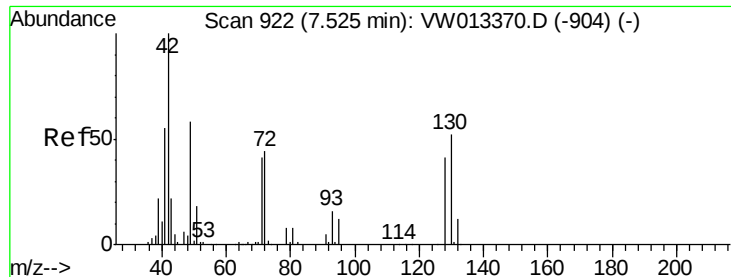


#28

Bromochloromethane
Concen: 52.893 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Tgt Ion: 49 Resp: 103680
Ion Ratio Lower Upper
49 100
129 0.7 0.0 1.0
130 82.8 63.4 95.2

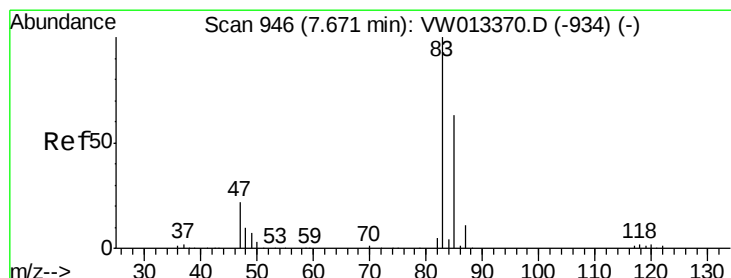
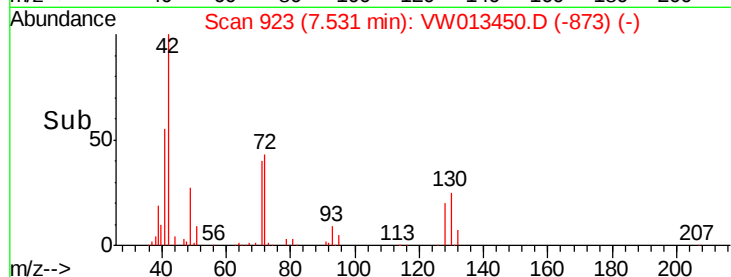
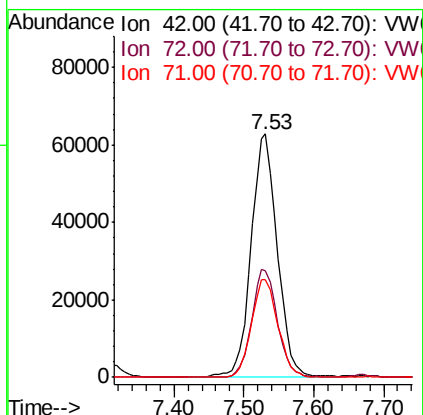
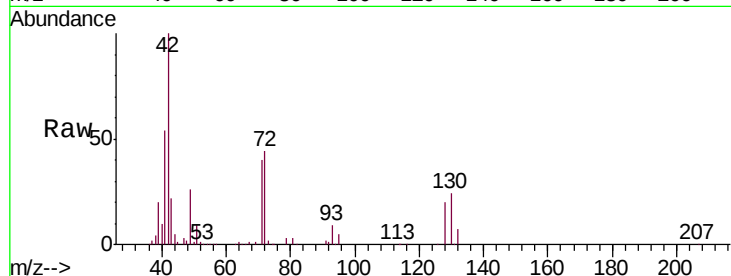




#29
Tetrahydrofuran
Concen: 281.409 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

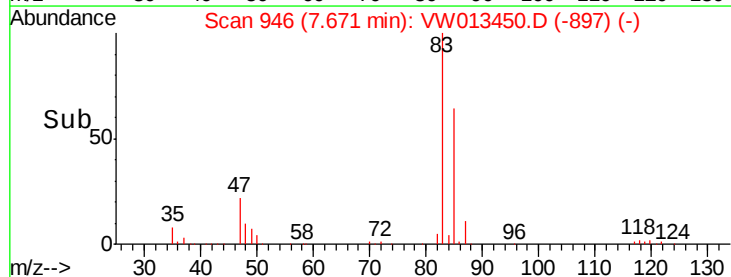
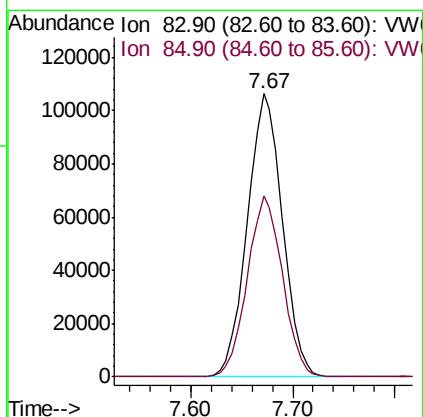
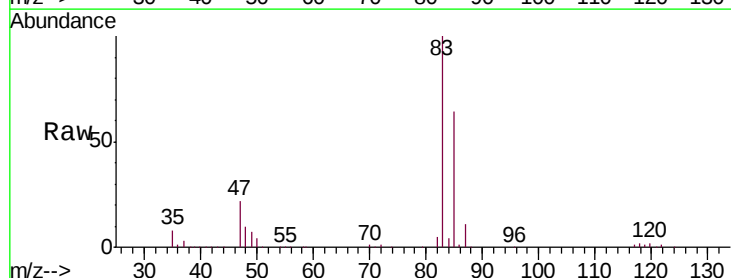
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

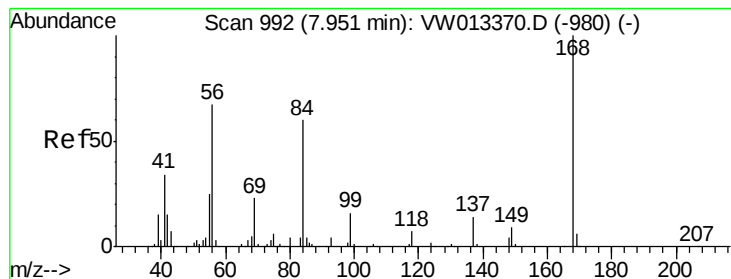
Tgt Ion: 42 Resp: 162969
Ion Ratio Lower Upper
42 100
72 43.3 33.9 50.9
71 40.7 31.9 47.9



#30
Chloroform
Concen: 47.897 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Tgt Ion: 83 Resp: 254624
Ion Ratio Lower Upper
83 100
85 64.2 52.3 78.5





#31

Cyclohexane

Concen: 47.636 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

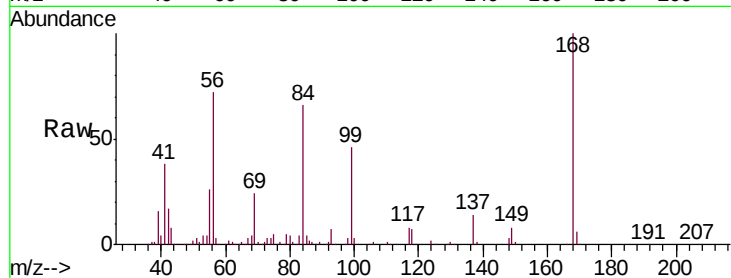
Tgt Ion: 56 Resp: 275420

Ion Ratio Lower Upper

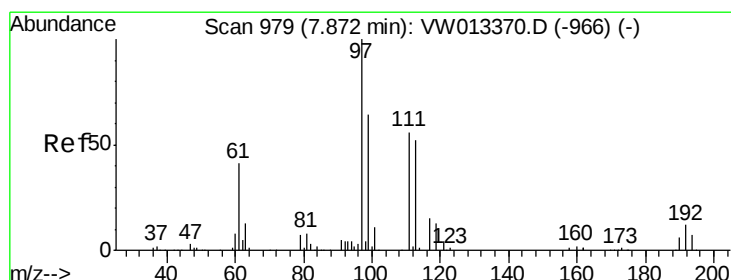
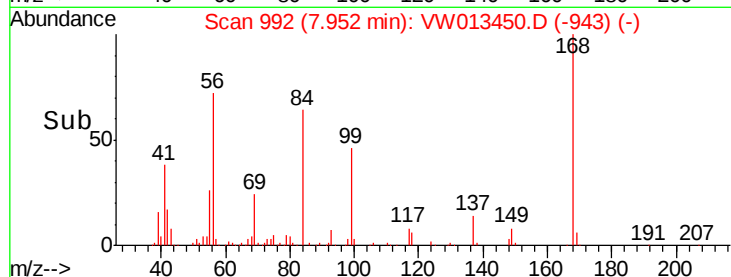
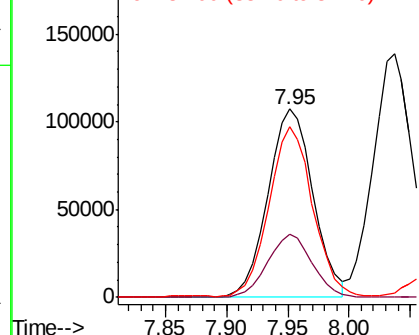
56 100

69 33.5 27.2 40.8

84 89.4 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: 50.344 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

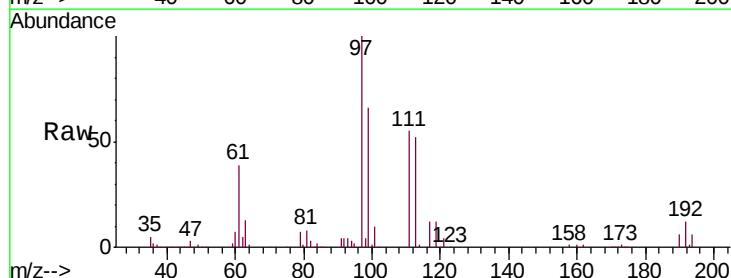
Tgt Ion: 97 Resp: 209673

Ion Ratio Lower Upper

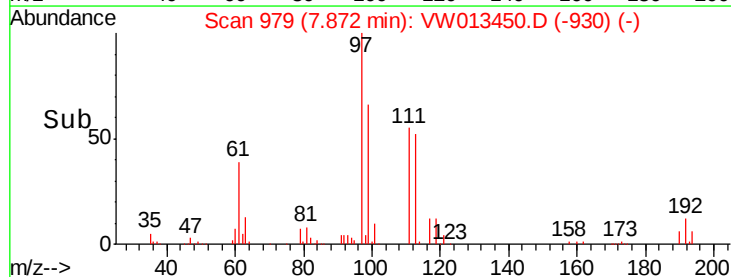
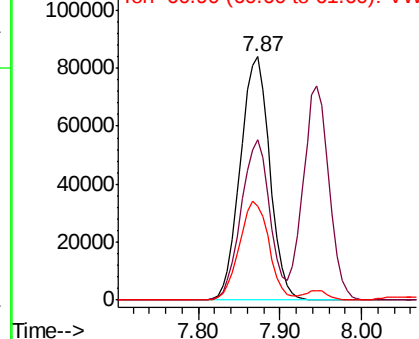
97 100

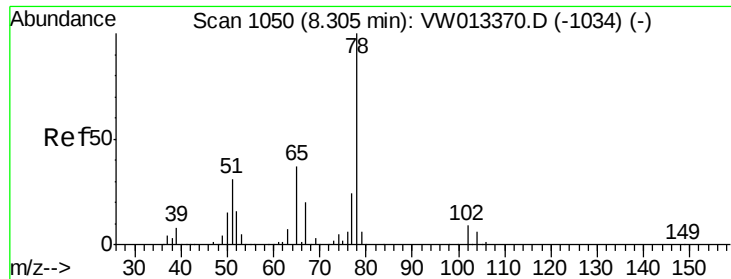
99 64.9 51.7 77.5

61 41.1 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

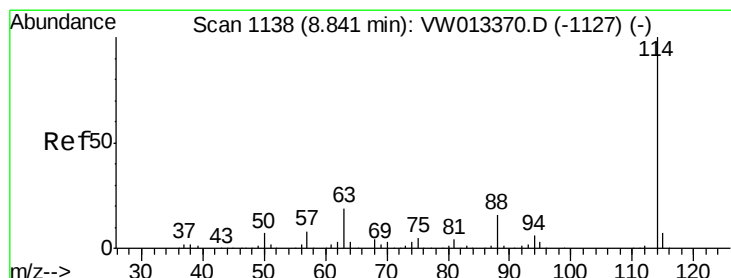
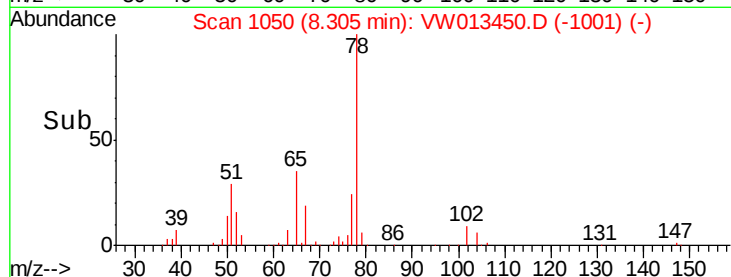
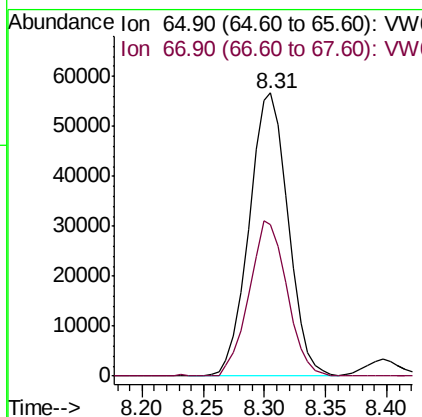
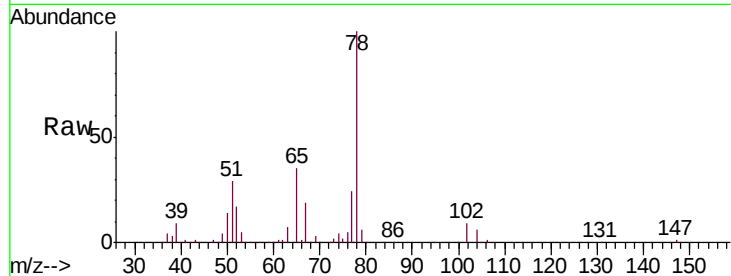




#33
 1,2-Dichloroethane-d4
 Concen: 49.787 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

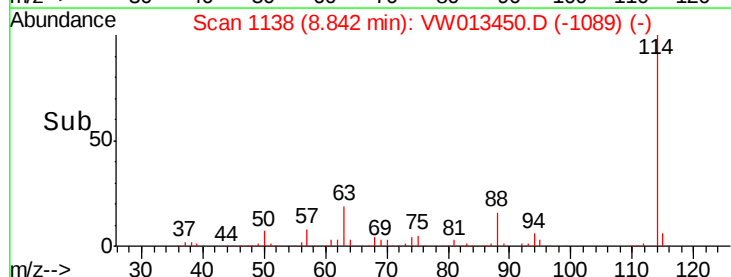
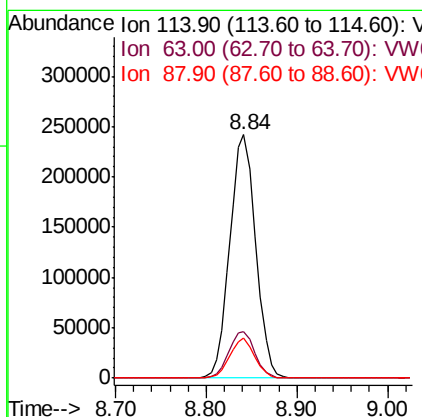
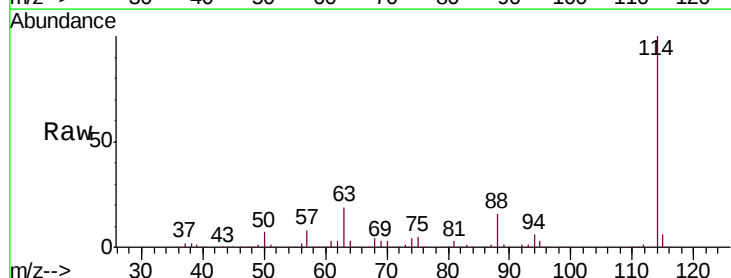
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

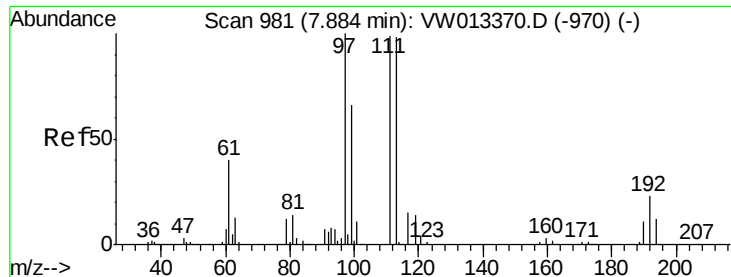
Tgt Ion: 65 Resp: 125821
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

Tgt Ion: 114 Resp: 478851
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 41.4
 88 16.2 0.0 32.0

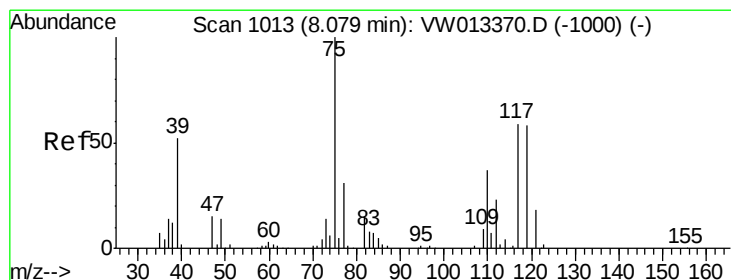
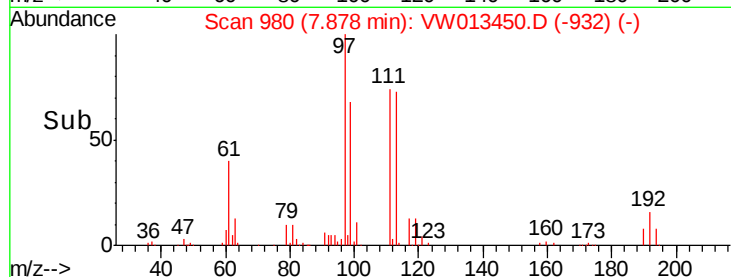
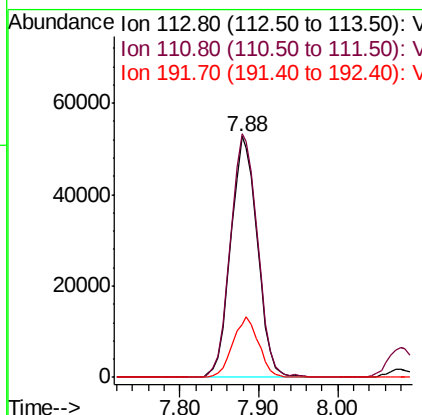
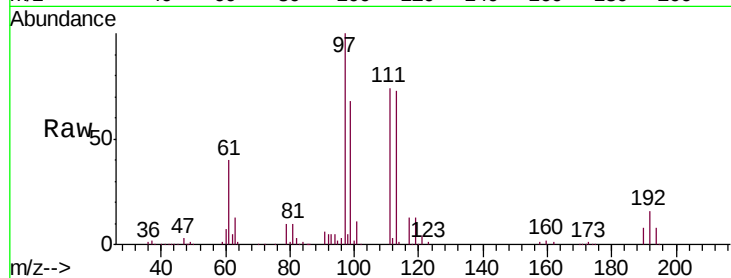




#35
 Dibromofluoromethane
 Concen: 49.214 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

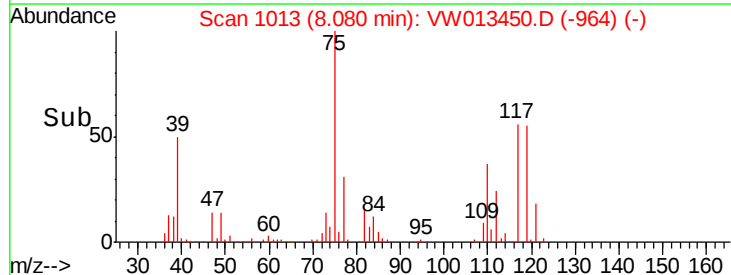
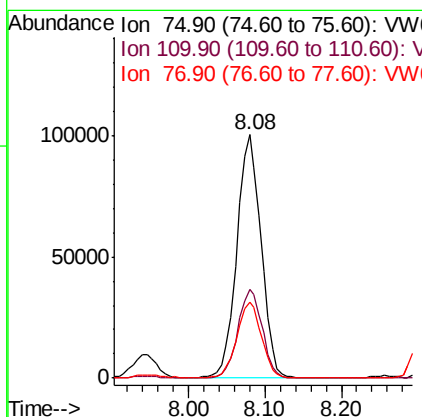
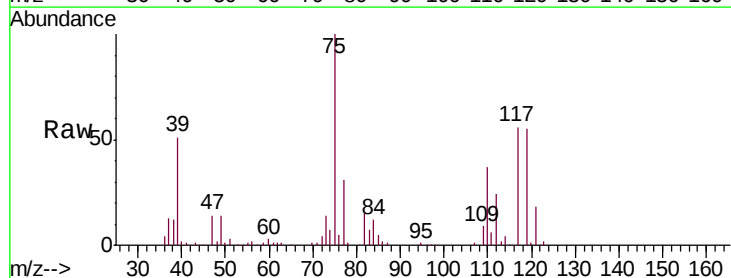
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

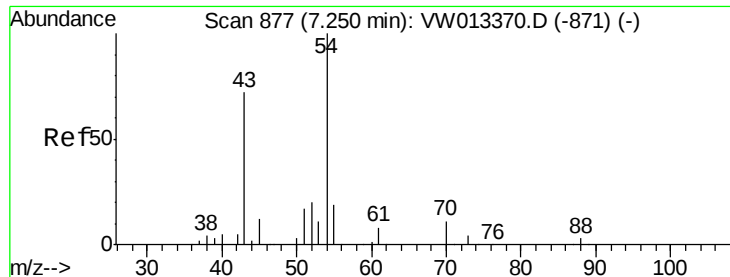
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.9	122.9
192	24.2	19.1	28.7



#36
 1,1-Dichloropropene
 Concen: 49.645 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.1	54.3
77	31.7	25.8	38.6

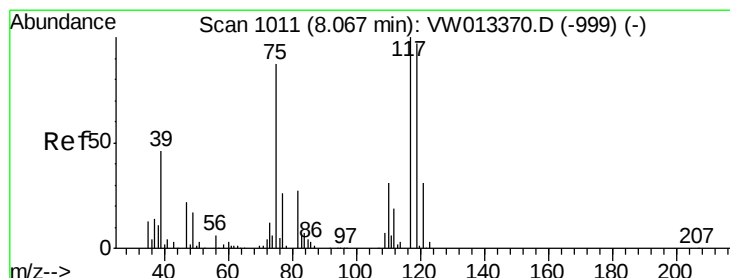
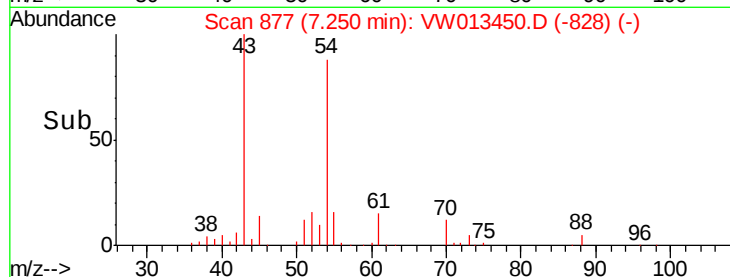
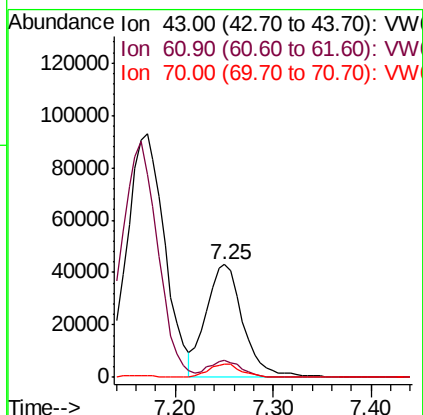
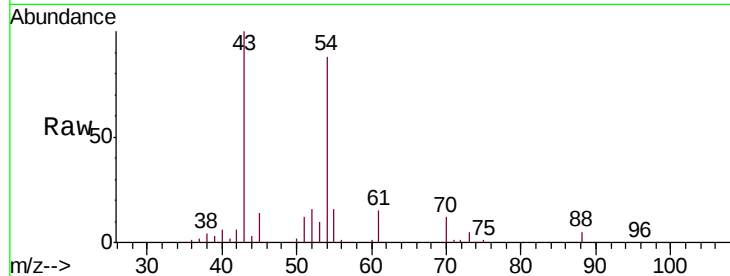




#37
Ethyl Acetate
Concen: 56.630 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

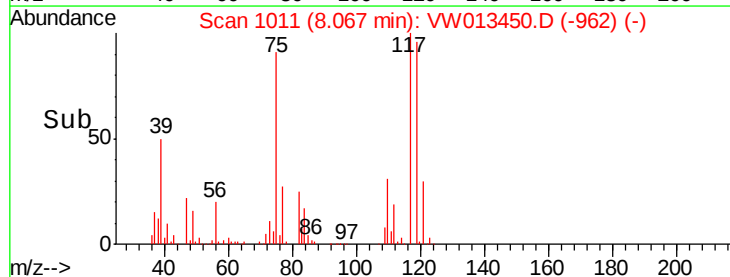
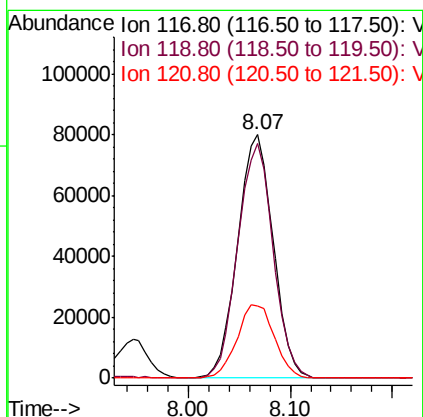
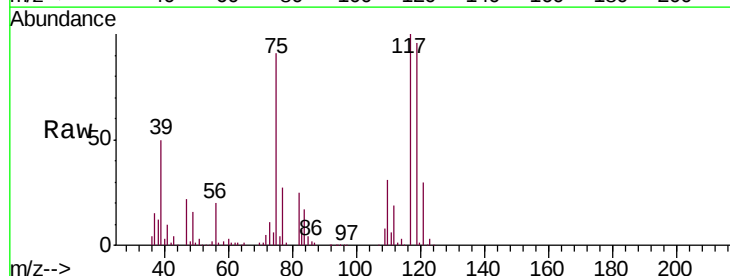
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

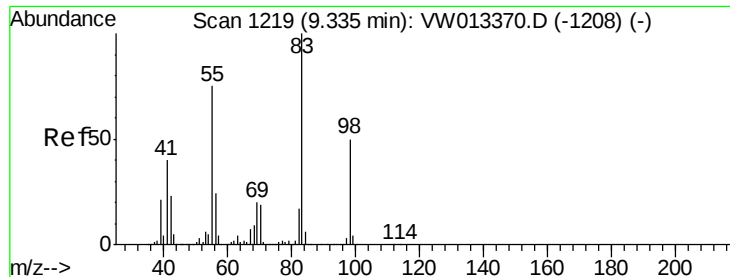
Tgt Ion: 43 Resp: 111200
Ion Ratio Lower Upper
43 100
61 13.8 10.9 16.3
70 10.9 8.2 12.2



#38
Carbon Tetrachloride
Concen: 50.420 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Tgt Ion: 117 Resp: 194254
Ion Ratio Lower Upper
117 100
119 96.4 73.5 110.3
121 29.7 25.0 37.6

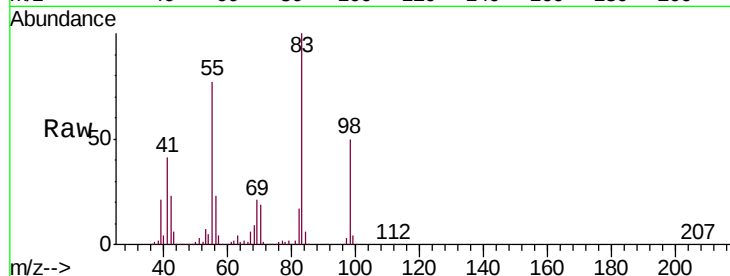




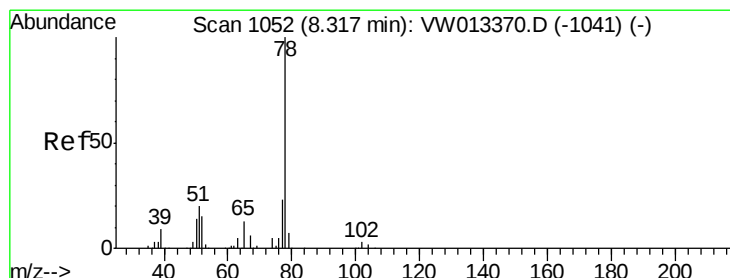
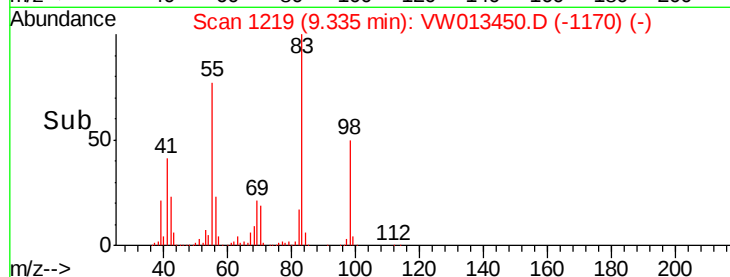
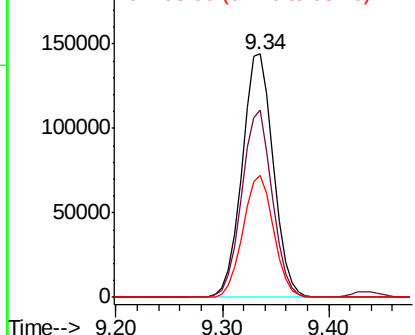
#39
Methylcyclohexane
Concen: 50.752 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 297277
Ion Ratio Lower Upper
83 100
55 77.1 60.4 90.6
98 50.1 40.0 60.0

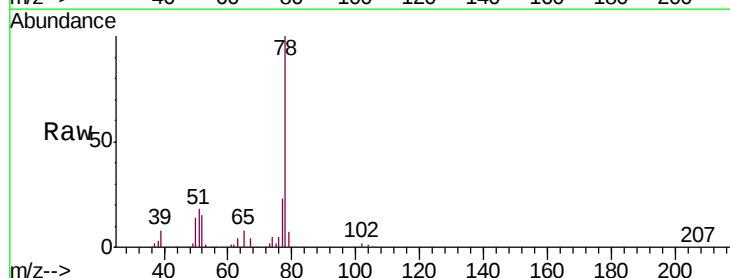


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

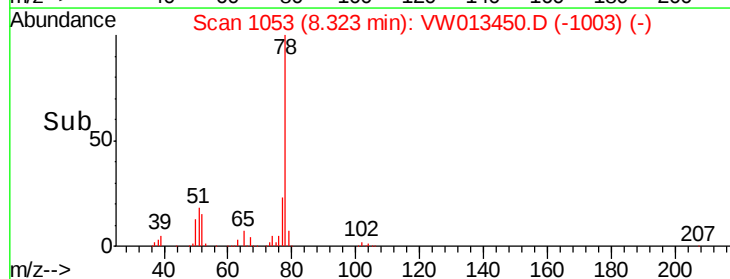
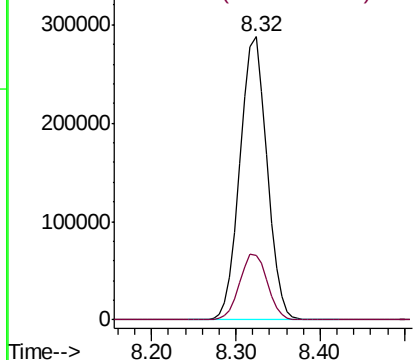


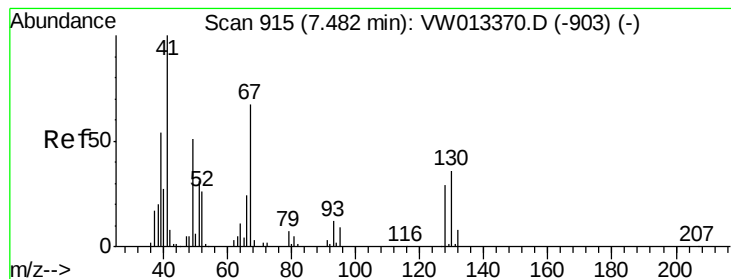
#40
Benzene
Concen: 49.500 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Tgt Ion: 78 Resp: 623212
Ion Ratio Lower Upper
78 100
77 22.9 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW





#41

Methacrylonitrile

Concen: 55.225 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 65360

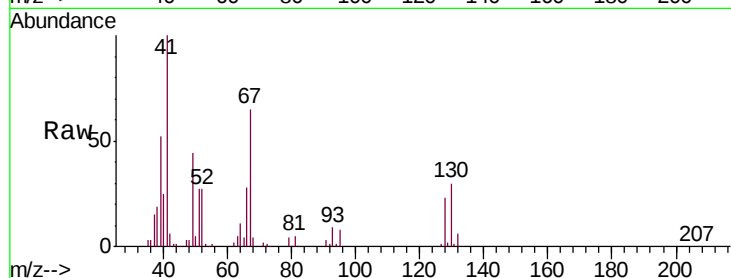
Ion Ratio Lower Upper

41 100

39 56.5 45.9 68.9

67 71.6 54.5 81.7

52 28.7 22.5 33.7



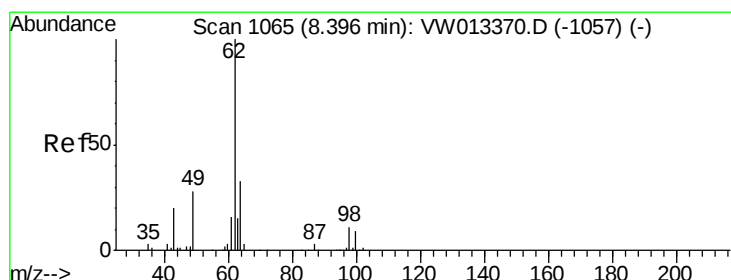
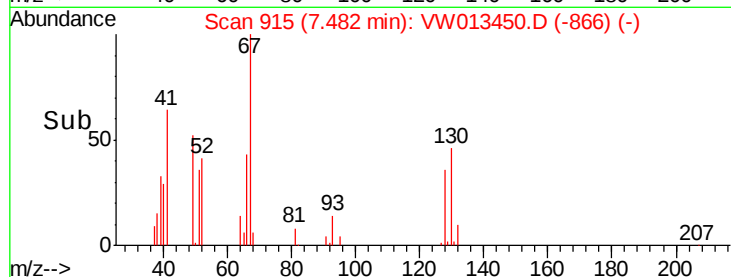
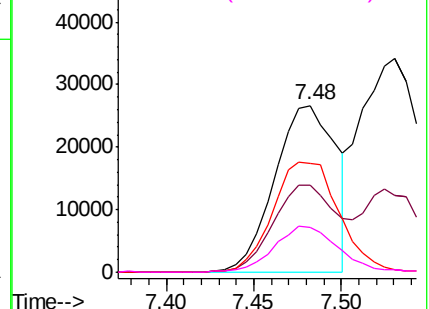
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 51.156 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW013450.D

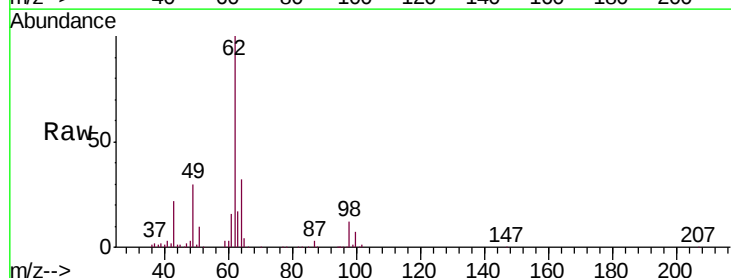
Acq: 04 Oct 2019 20:03

Tgt Ion: 62 Resp: 165536

Ion Ratio Lower Upper

62 100

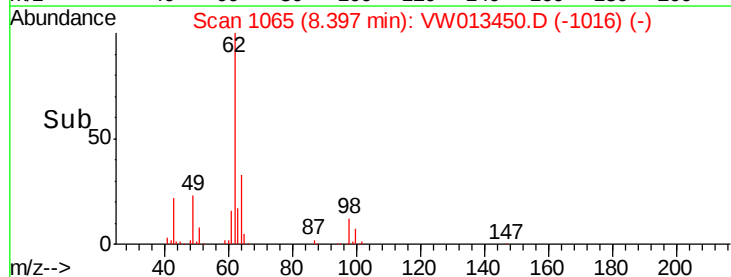
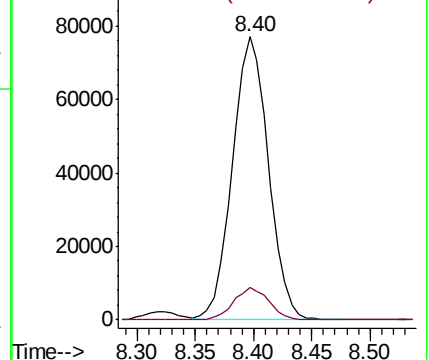
98 11.3 0.0 20.6

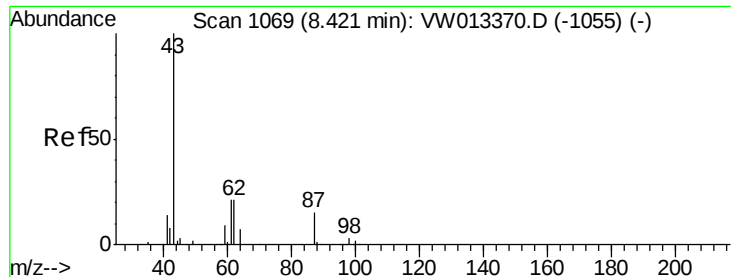


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 56.348 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

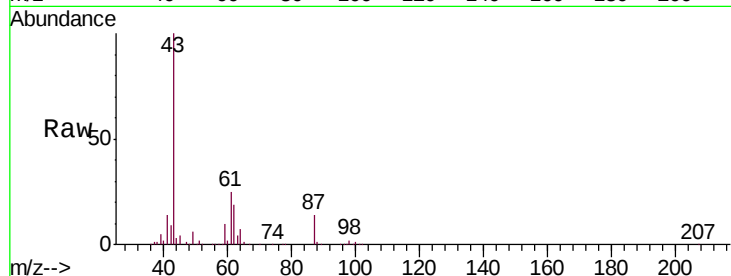
Tgt Ion: 43 Resp: 208173

Ion Ratio Lower Upper

43 100

61 30.8 25.5 38.3

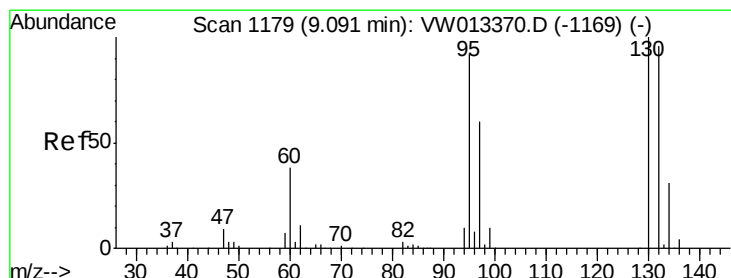
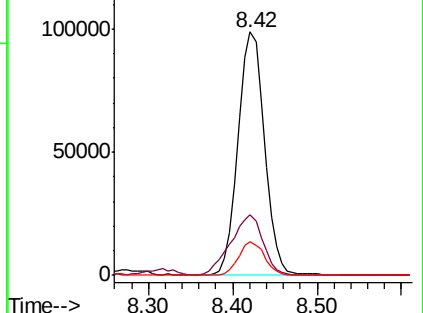
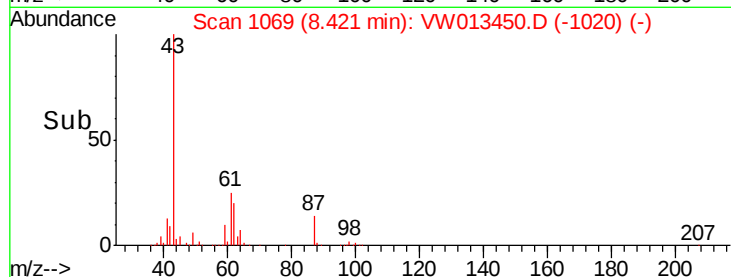
87 13.5 11.0 16.4



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: 49.980 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW013450.D

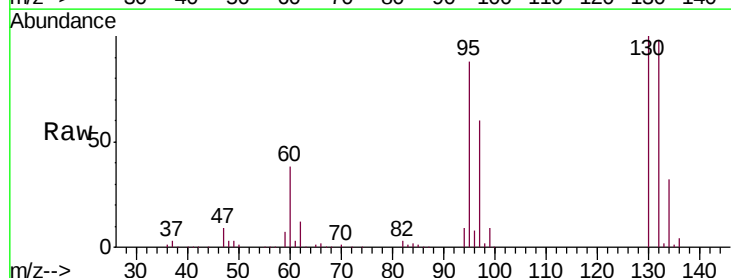
Acq: 04 Oct 2019 20:03

Tgt Ion: 130 Resp: 177201

Ion Ratio Lower Upper

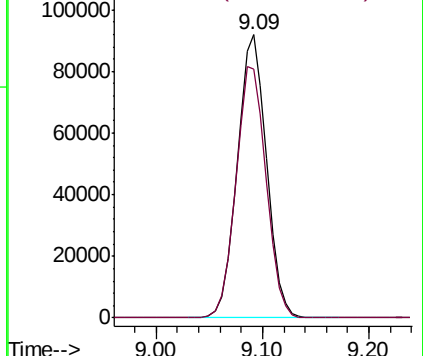
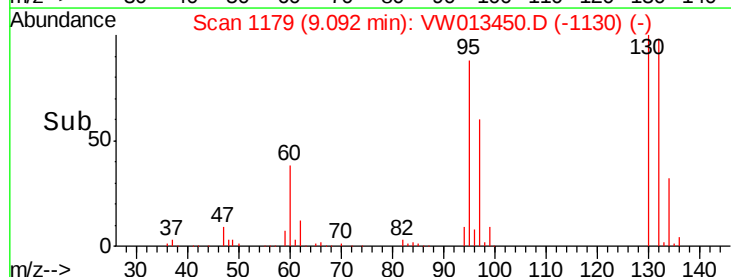
130 100

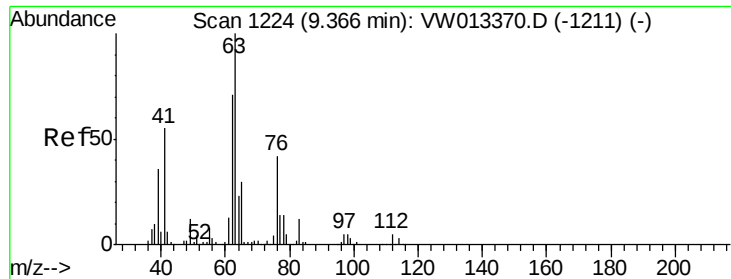
95 87.7 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

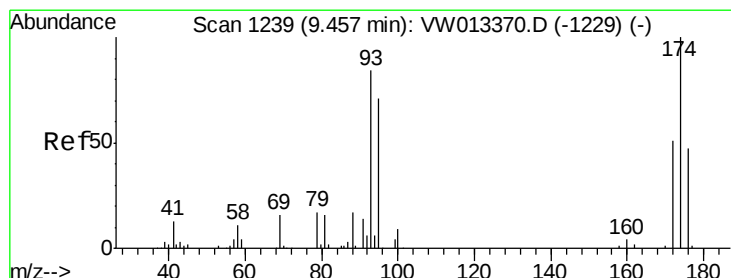
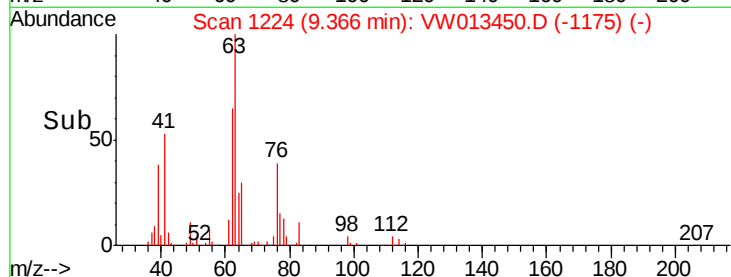
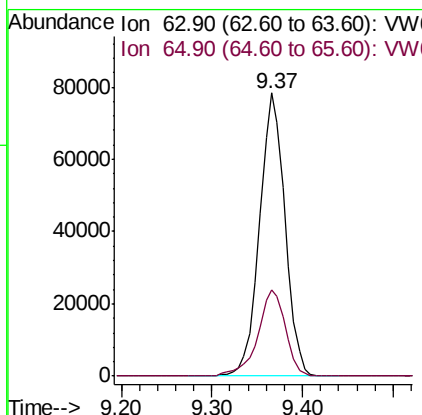
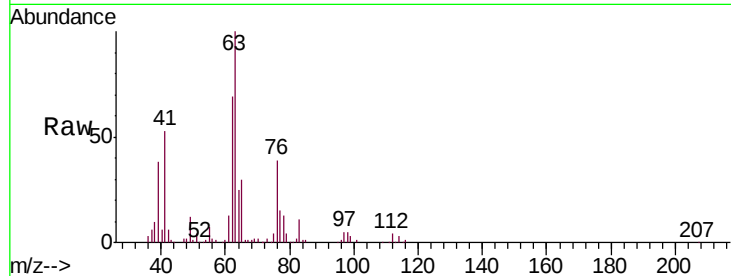




#45
 1,2-Dichloropropane
 Concen: 50.263 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

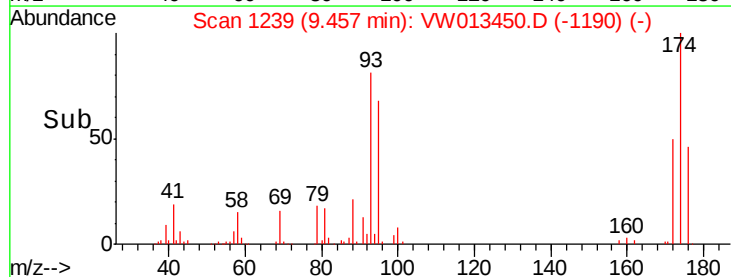
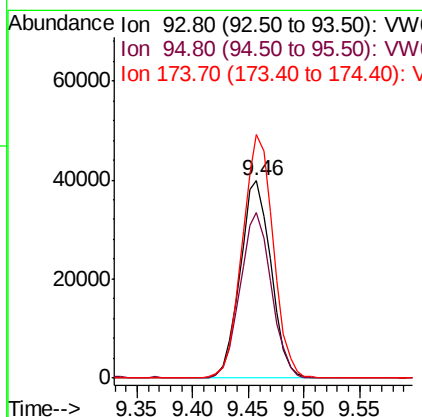
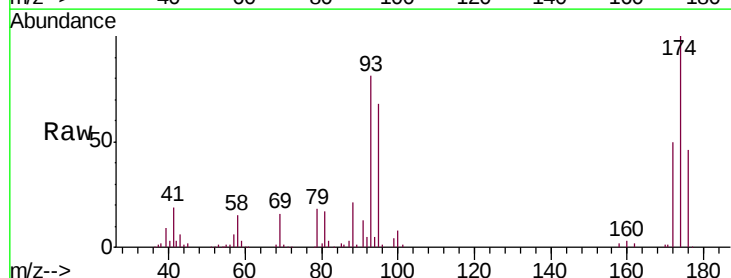
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

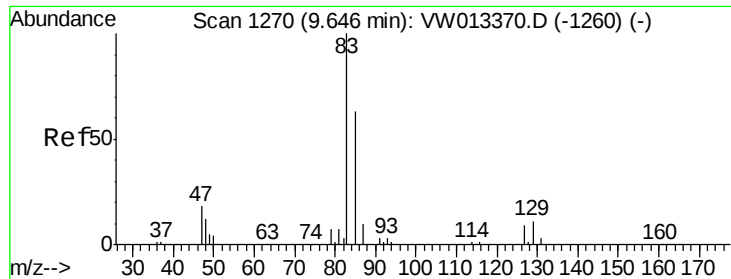
Tgt Ion: 63 Resp: 151941
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.3 37.9



#46
 Dibromomethane
 Concen: 50.996 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

Tgt Ion: 93 Resp: 76784
 Ion Ratio Lower Upper
 93 100
 95 84.5 66.4 99.6
 174 123.5 93.0 139.6





#47

Bromodichloromethane

Concen: 50.738 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

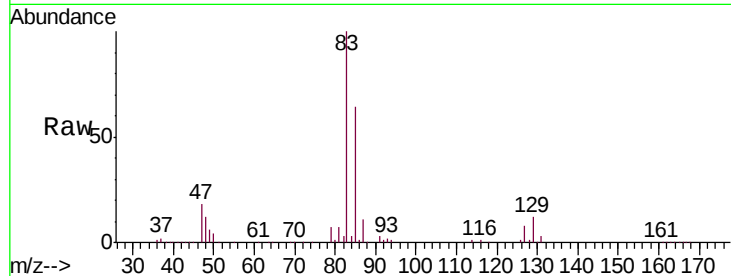
Tgt Ion: 83 Resp: 188063

Ion Ratio Lower Upper

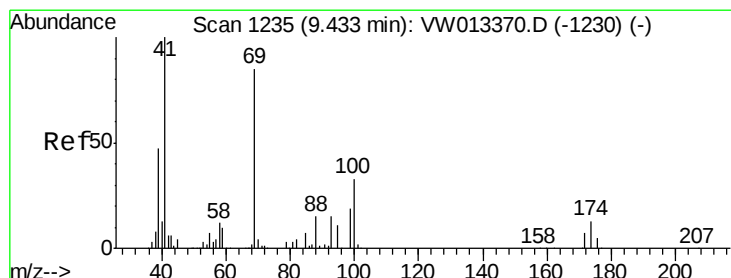
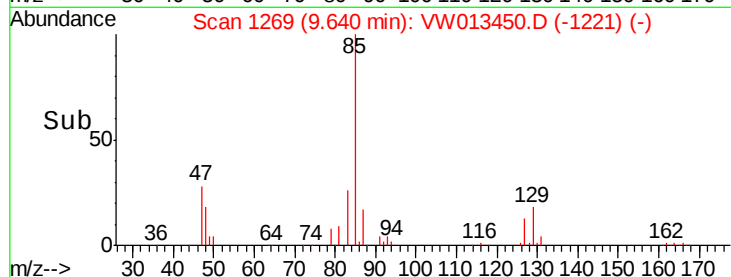
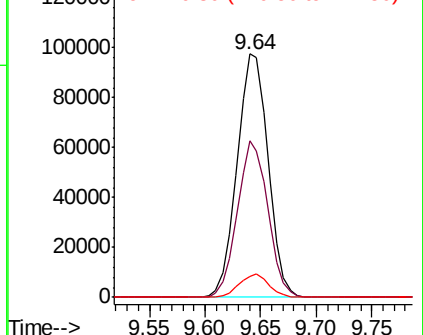
83 100

85 64.3 49.4 74.2

127 8.4 6.5 9.7



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



#48

Methyl methacrylate

Concen: 58.856 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

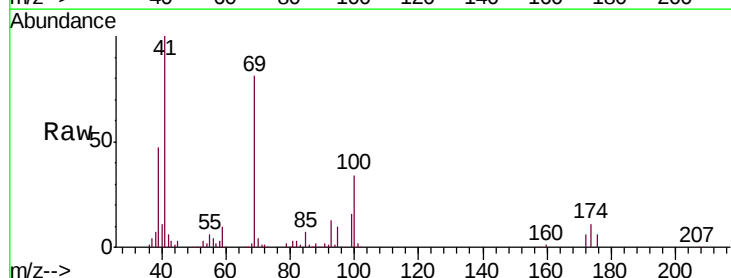
Tgt Ion: 41 Resp: 104476

Ion Ratio Lower Upper

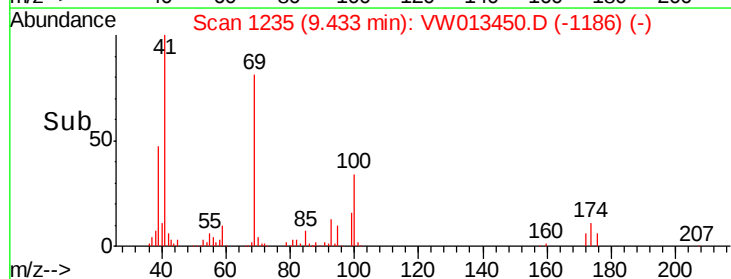
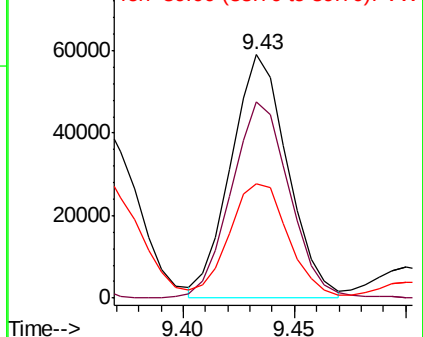
41 100

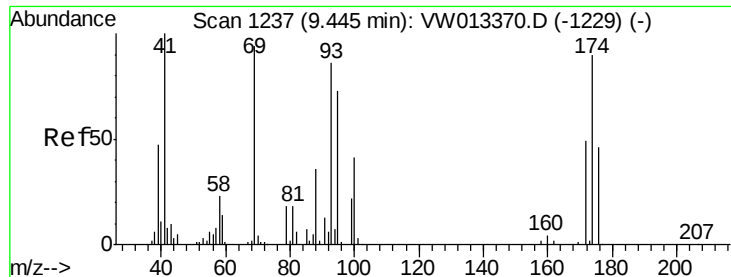
69 83.3 69.7 104.5

39 46.2 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: 1212.081 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.02 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

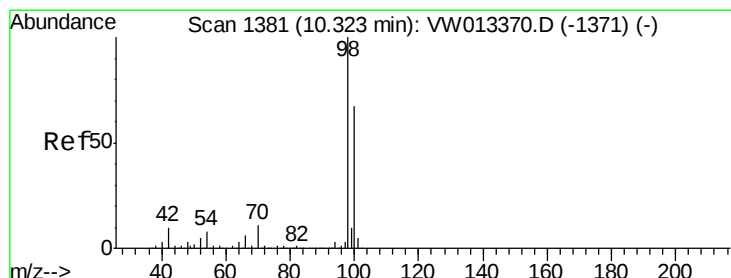
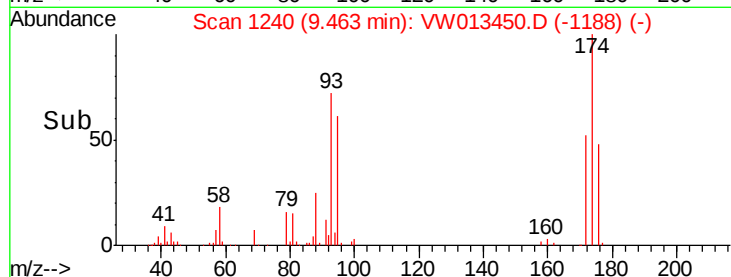
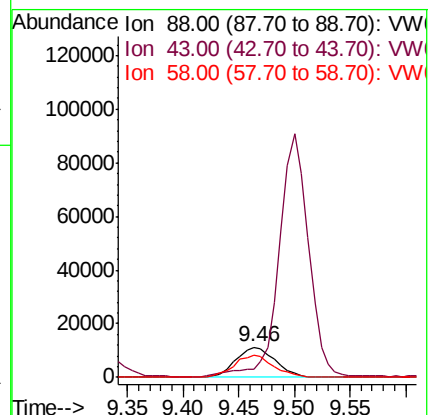
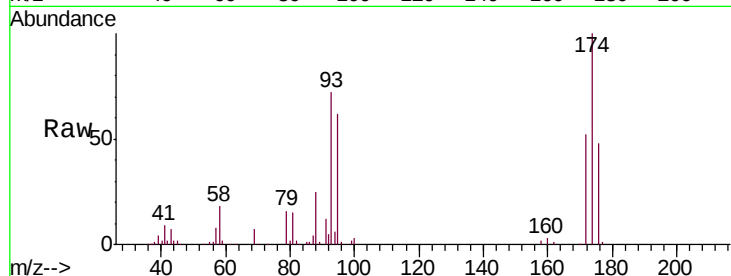
Tgt Ion: 88 Resp: 28041

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 74.0 65.4 98.0



#50

Toluene-d8

Concen: 49.700 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013450.D

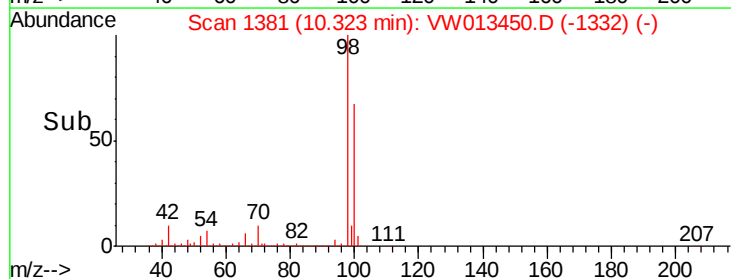
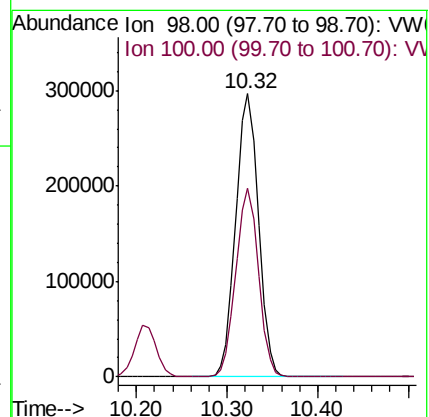
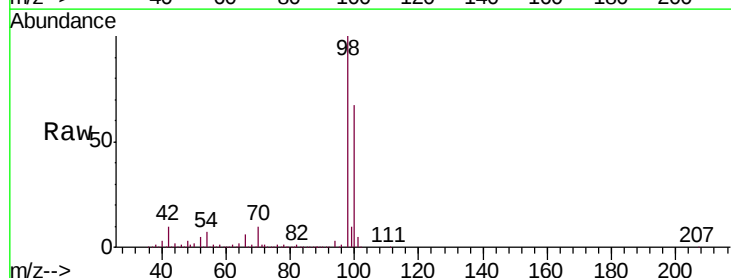
Acq: 04 Oct 2019 20:03

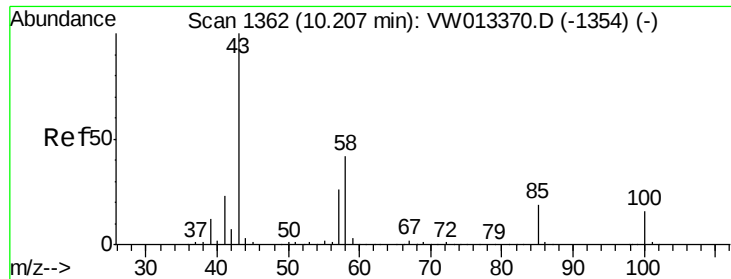
Tgt Ion: 98 Resp: 518226

Ion Ratio Lower Upper

98 100

100 66.4 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 278.389 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

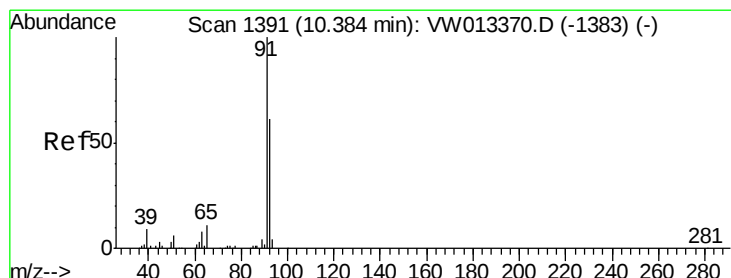
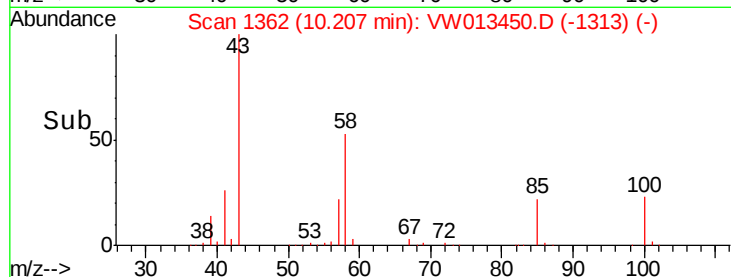
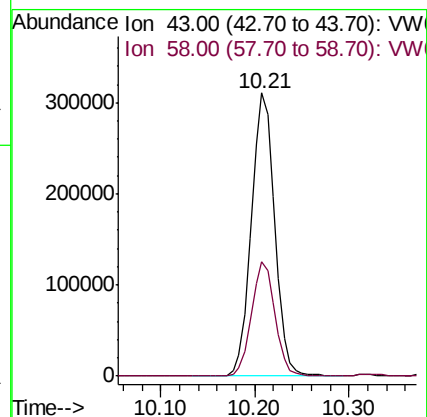
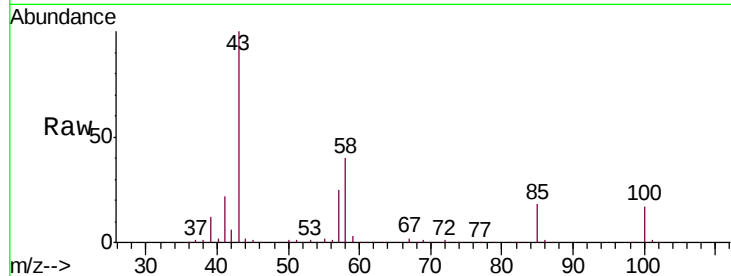
VSTDCCC050EC

Tgt Ion: 43 Resp: 540359

Ion Ratio Lower Upper

43 100

58 40.5 31.7 47.5



#52

Toluene

Concen: 49.734 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013450.D

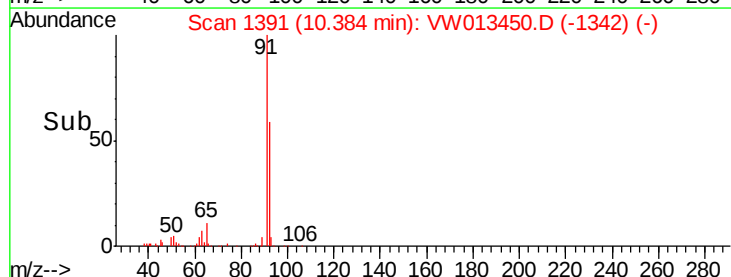
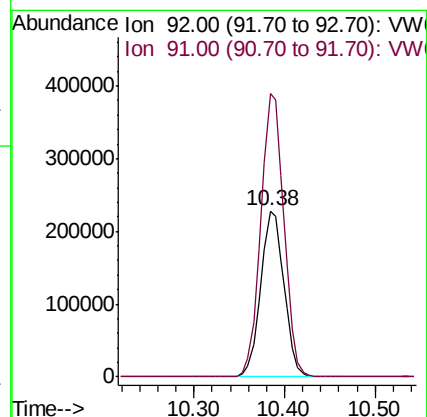
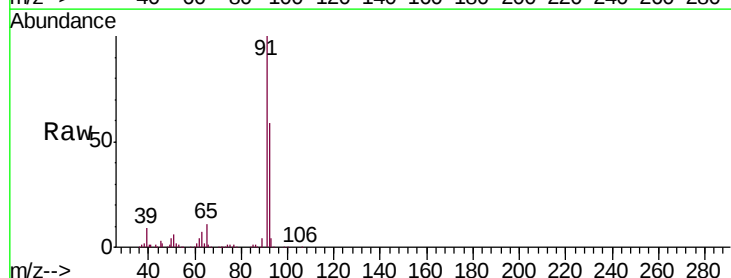
Acq: 04 Oct 2019 20:03

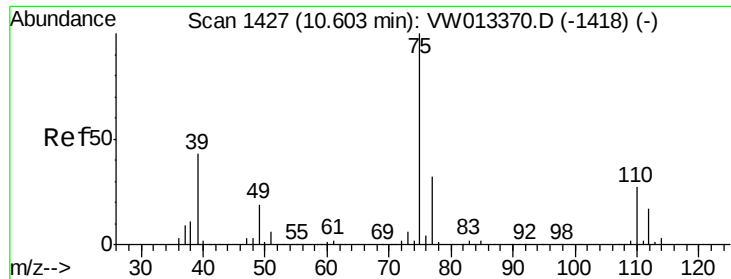
Tgt Ion: 92 Resp: 403873

Ion Ratio Lower Upper

92 100

91 169.7 135.7 203.5

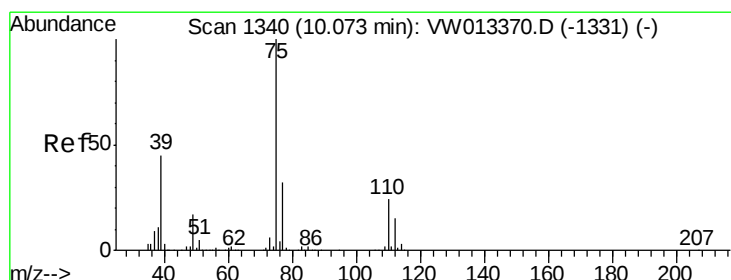
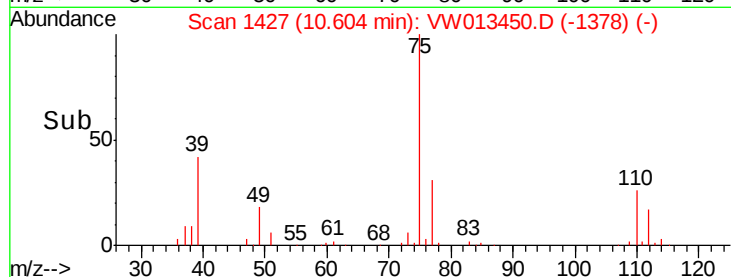
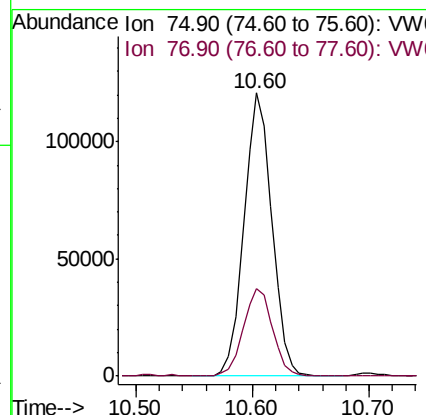
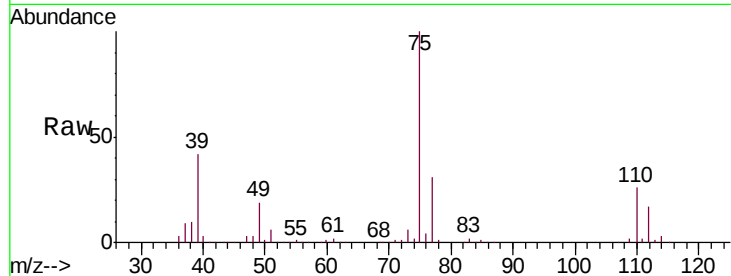




#53
 t-1,3-Dichloropropene
 Concen: 52.317 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

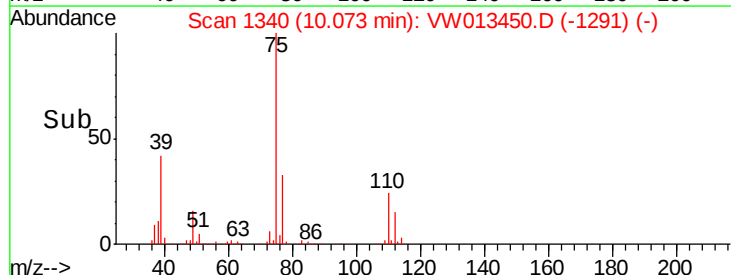
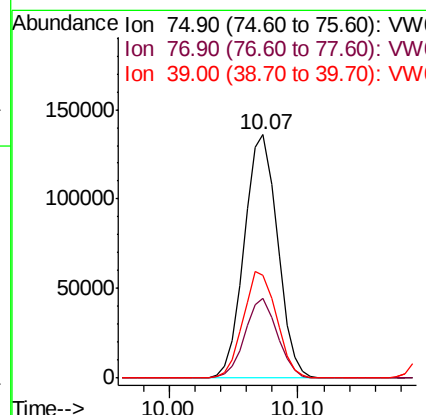
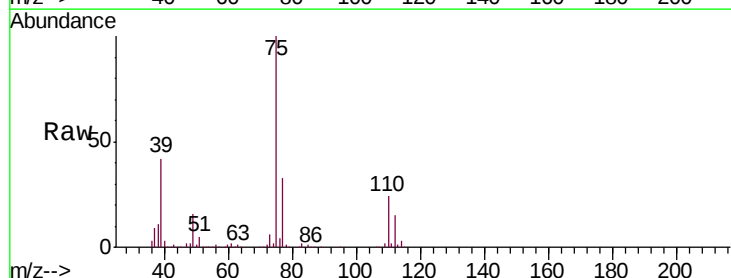
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

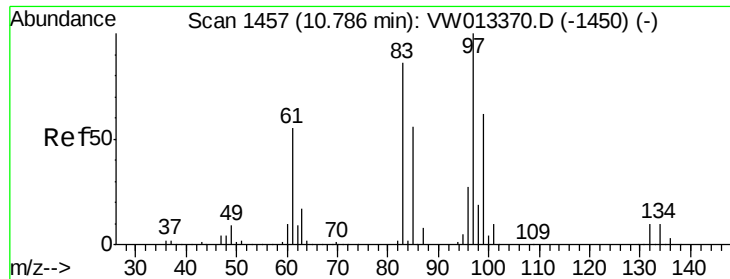
Tgt Ion: 75 Resp: 201706
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.5 38.3



#54
 cis-1,3-Dichloropropene
 Concen: 51.947 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

Tgt Ion: 75 Resp: 242823
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.2 37.8
 39 42.4 36.6 55.0

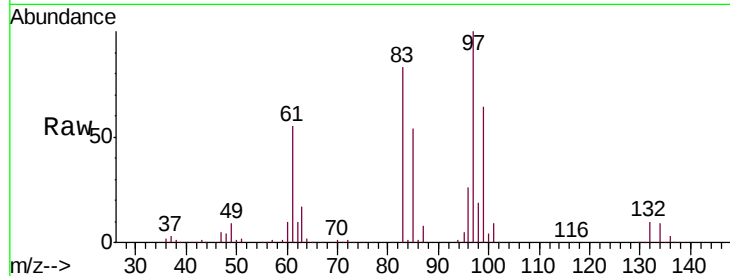




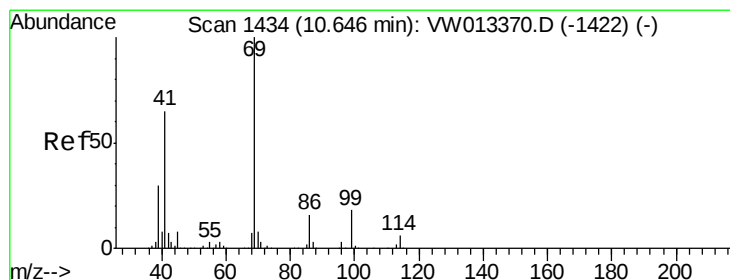
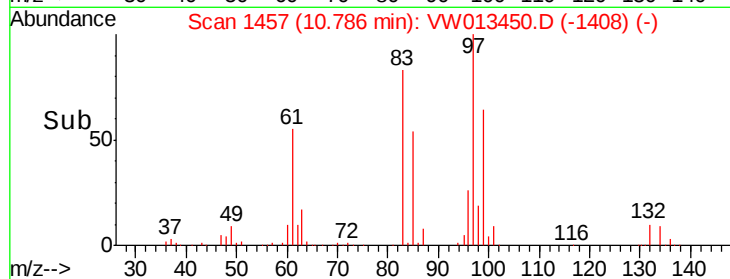
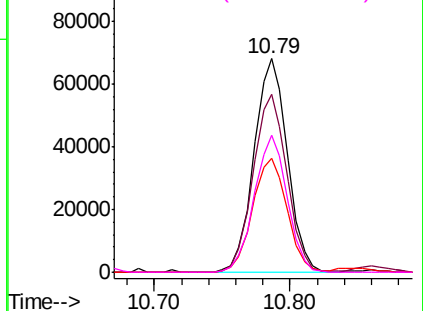
#55
 1,1,2-Trichloroethane
 Concen: 52.175 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	97	Resp:	117191
Ion	Ratio	Lower	Upper
97	100		
83	83.5	67.6	101.4
85	53.6	41.9	62.9
99	64.2	50.1	75.1

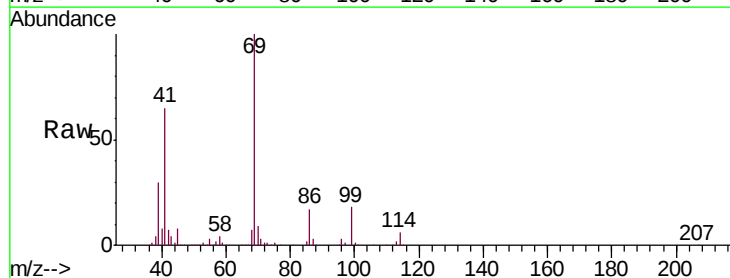


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

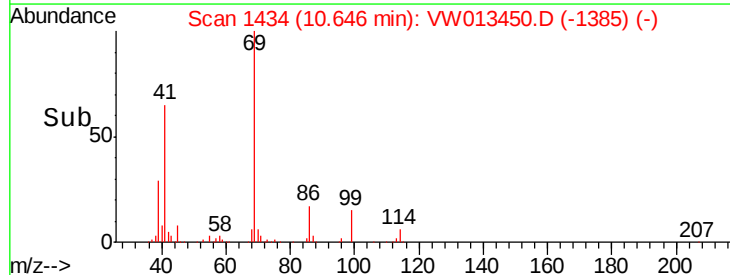
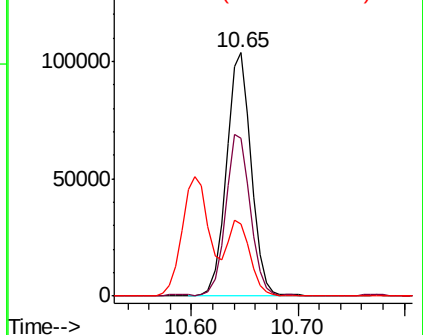


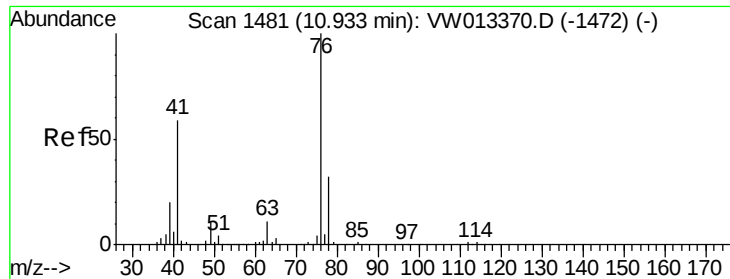
#56
 Ethyl methacrylate
 Concen: 55.613 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

Tgt Ion:	69	Resp:	168132
Ion	Ratio	Lower	Upper
69	100		
41	66.1	53.9	80.9
39	27.4	23.8	35.6



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

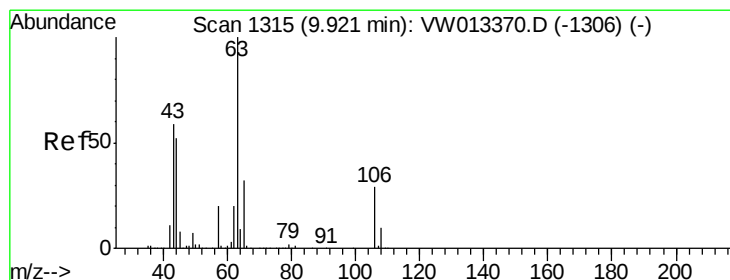
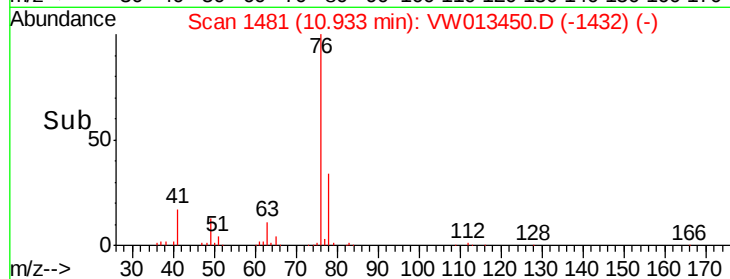
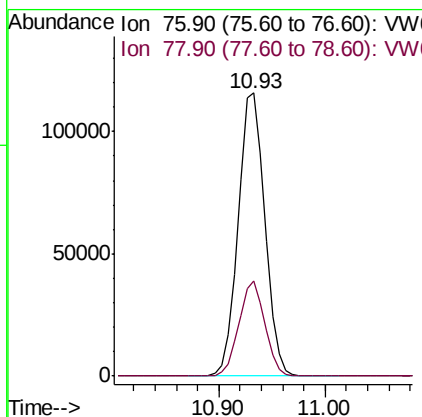
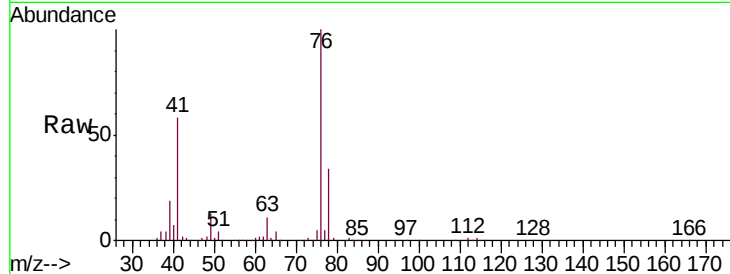




#57
 1,3-Dichloropropane
 Concen: 52.260 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

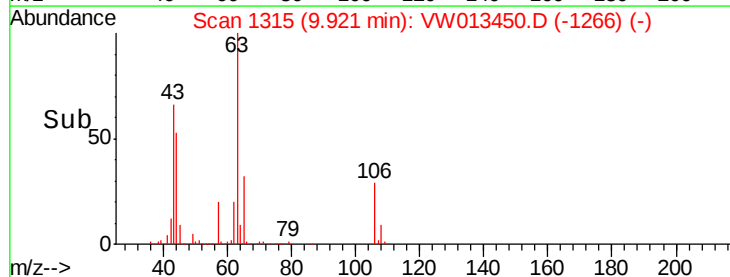
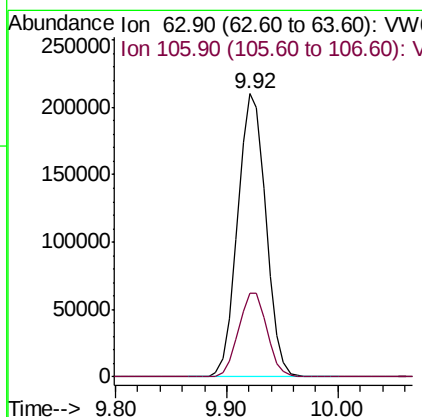
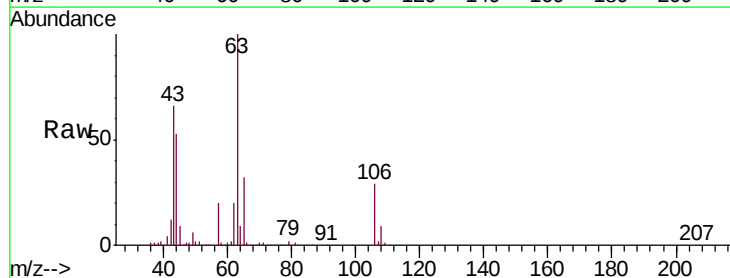
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

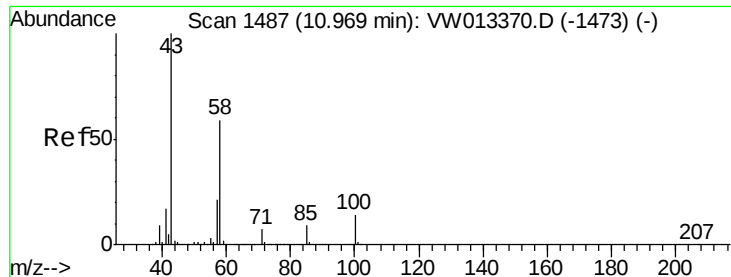
Tgt Ion: 76 Resp: 204065
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 296.733 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

Tgt Ion: 63 Resp: 368509
 Ion Ratio Lower Upper
 63 100
 106 29.9 23.4 35.0

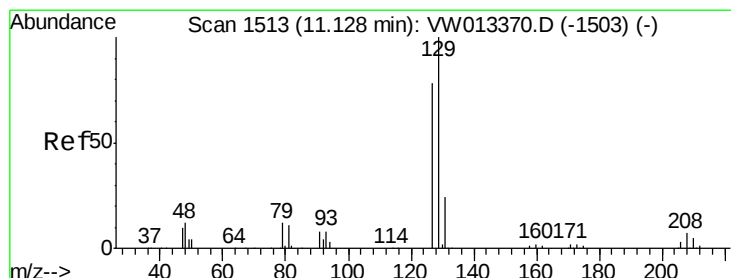
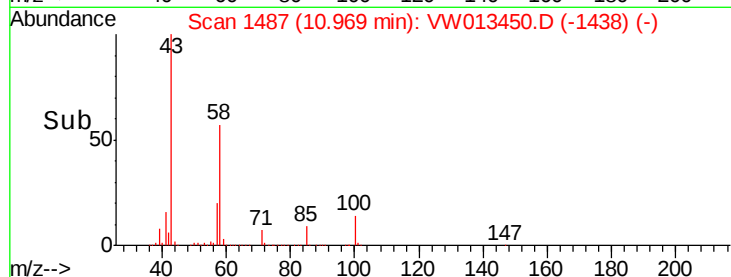
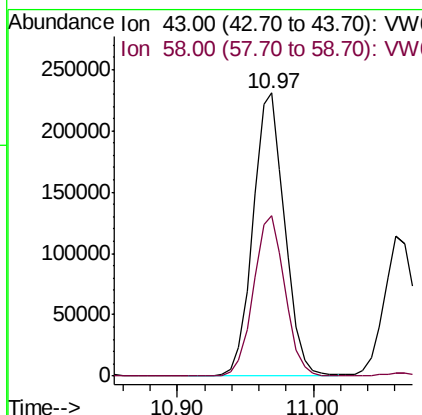
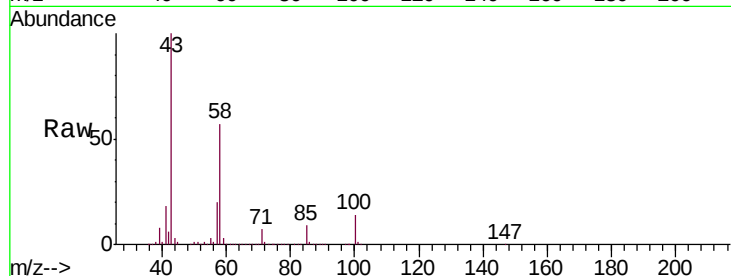




#59
2-Hexanone
Concen: 279.130 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

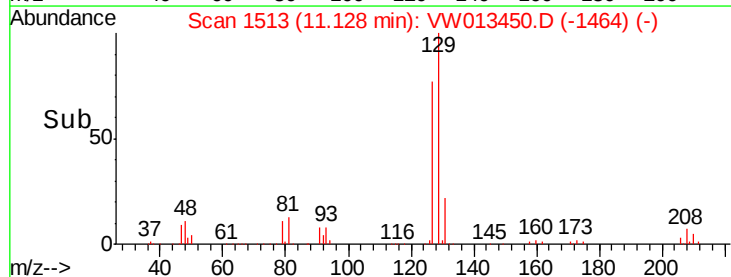
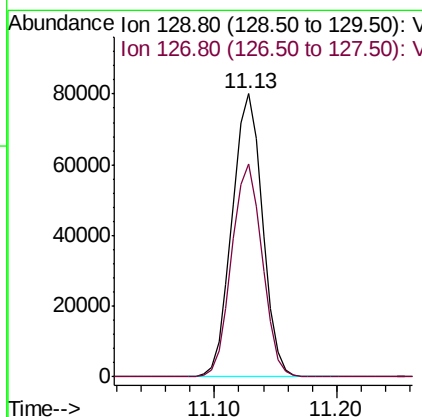
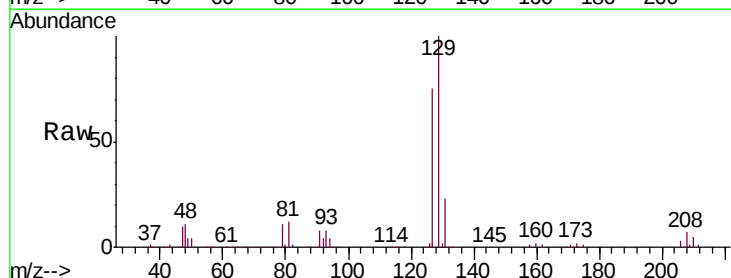
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

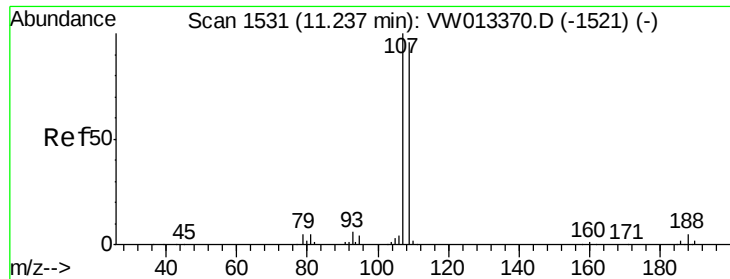
Tgt Ion: 43 Resp: 375536
Ion Ratio Lower Upper
43 100
58 56.5 28.1 84.2



#60
Dibromochloromethane
Concen: 53.658 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Tgt Ion: 129 Resp: 137880
Ion Ratio Lower Upper
129 100
127 75.5 38.8 116.4

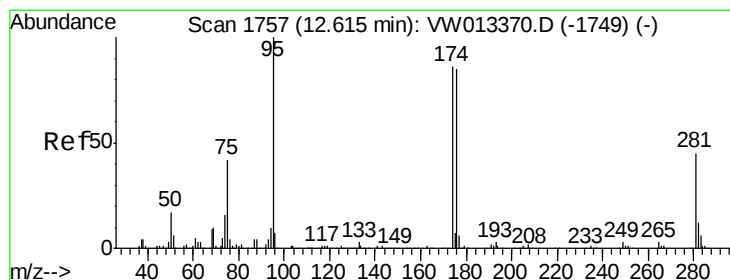
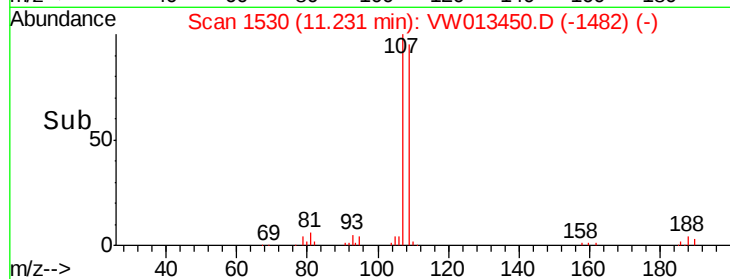
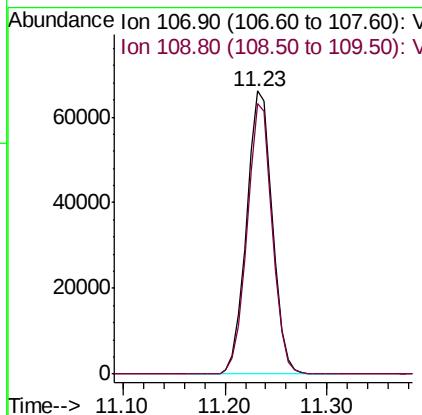
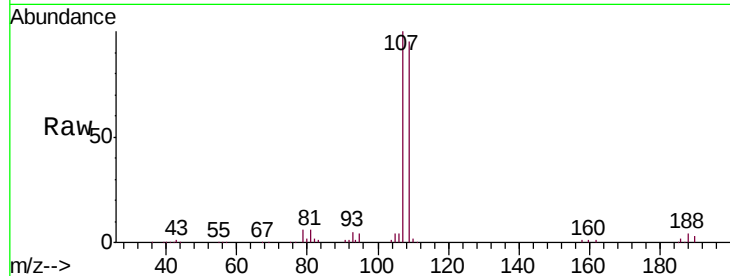




#61
1,2-Dibromoethane
Concen: 53.799 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

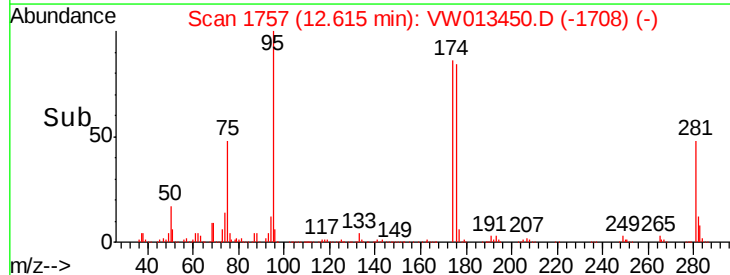
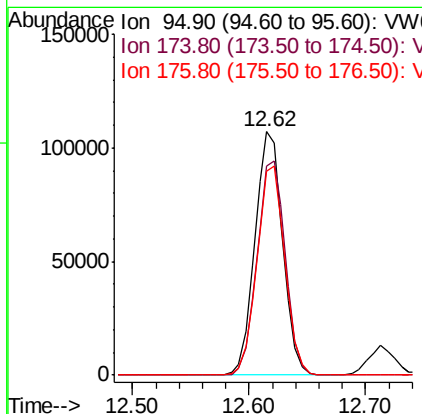
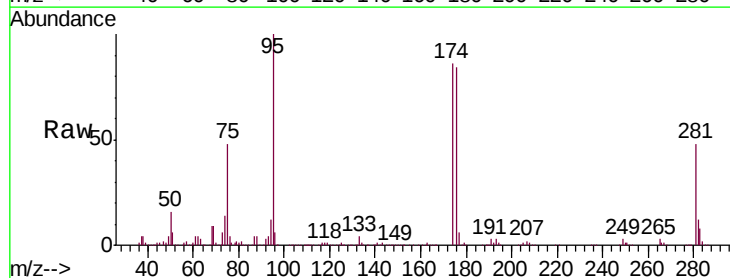
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

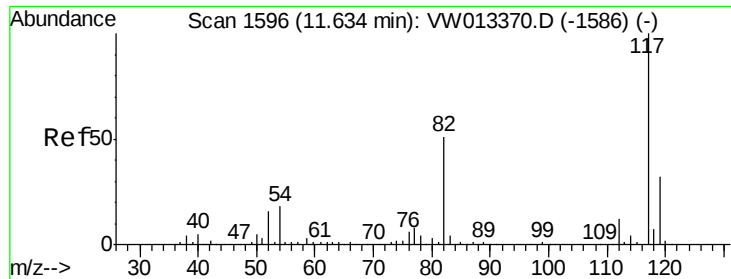
Tgt Ion: 107 Resp: 116768
Ion Ratio Lower Upper
107 100
109 93.3 75.2 112.8



#62
4-Bromofluorobenzene
Concen: 50.997 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Tgt Ion: 95 Resp: 177569
Ion Ratio Lower Upper
95 100
174 89.6 0.0 178.4
176 86.5 0.0 172.2

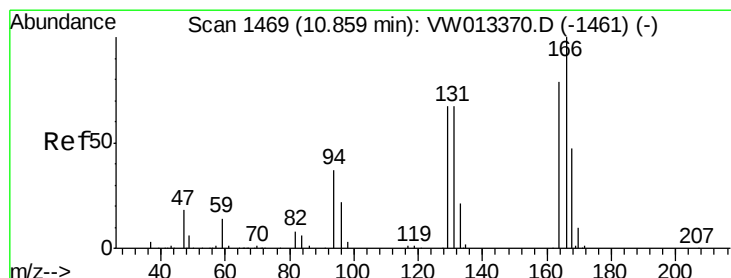
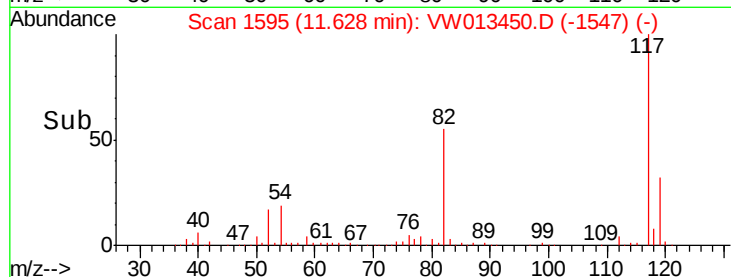
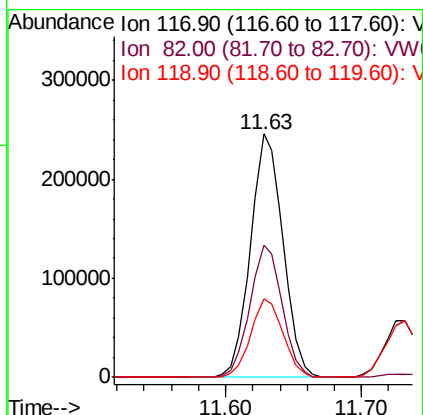
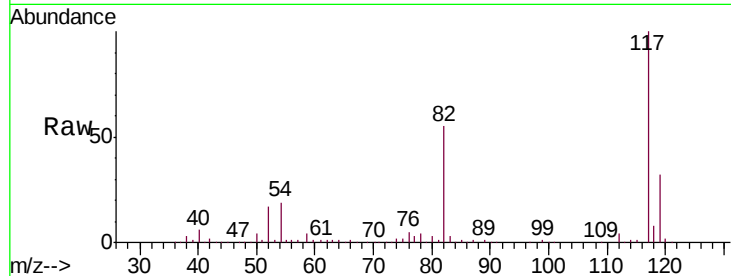




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

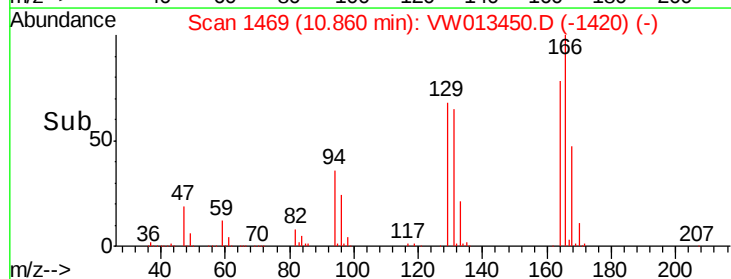
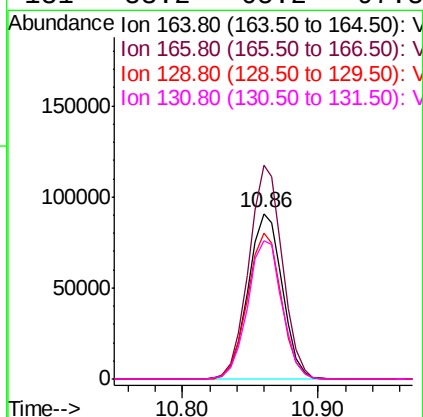
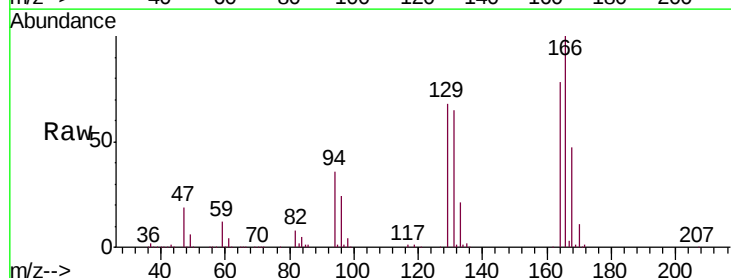
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

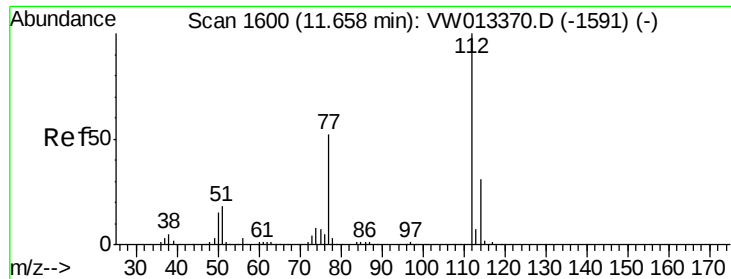
Tgt Ion:117 Resp: 411981
Ion Ratio Lower Upper
117 100
82 54.6 45.9 68.9
119 32.3 26.2 39.2



#64
Tetrachloroethene
Concen: 50.865 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Tgt Ion:164 Resp: 159428
Ion Ratio Lower Upper
164 100
166 128.9 101.2 151.8
129 88.2 68.8 103.2
131 83.2 65.2 97.8

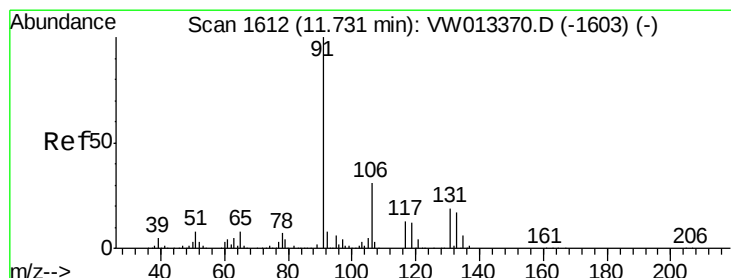
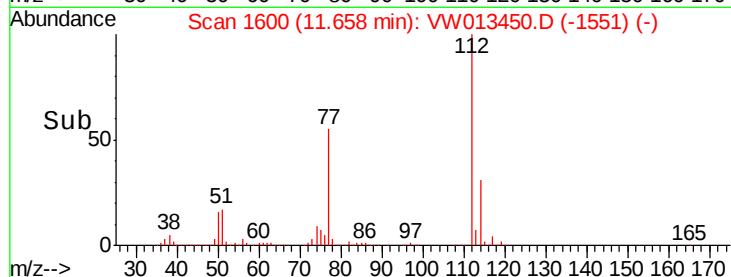
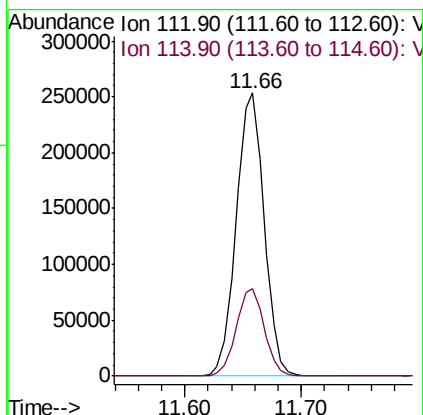
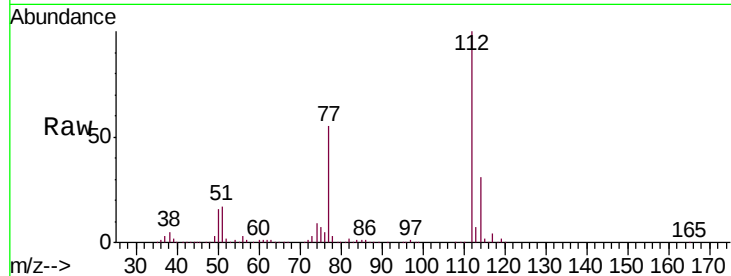




#65
Chlorobenzene
Concen: 50.165 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

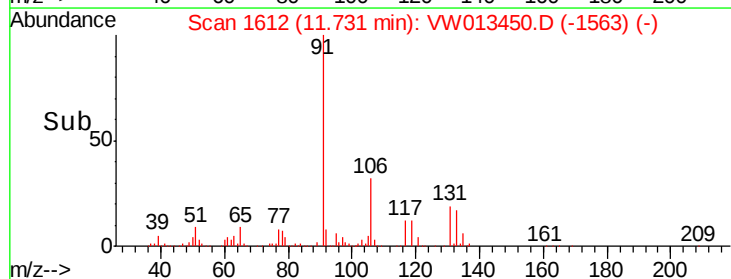
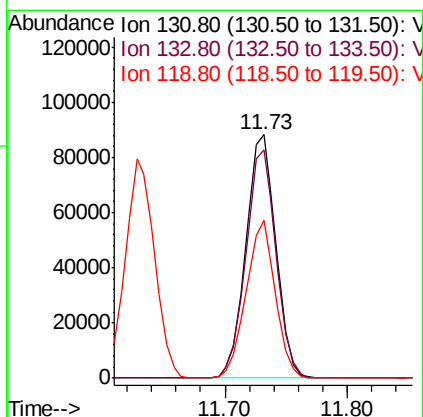
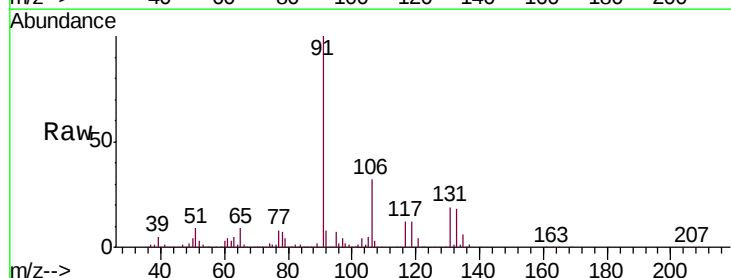
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

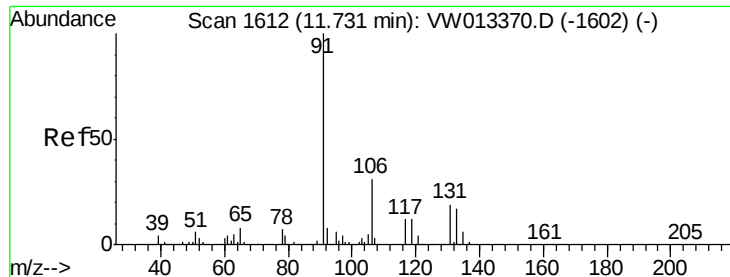
Tgt Ion:112 Resp: 423403
Ion Ratio Lower Upper
112 100
114 31.1 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 52.415 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Tgt Ion:131 Resp: 150679
Ion Ratio Lower Upper
131 100
133 94.1 47.5 142.6
119 63.2 32.5 97.5

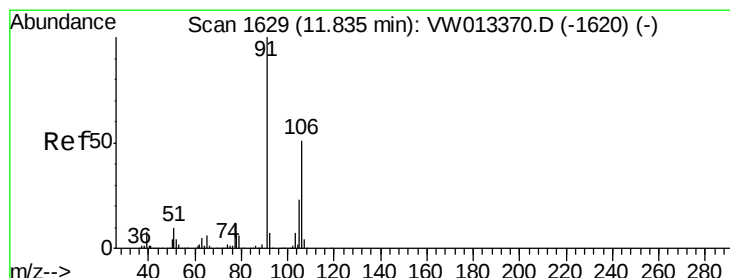
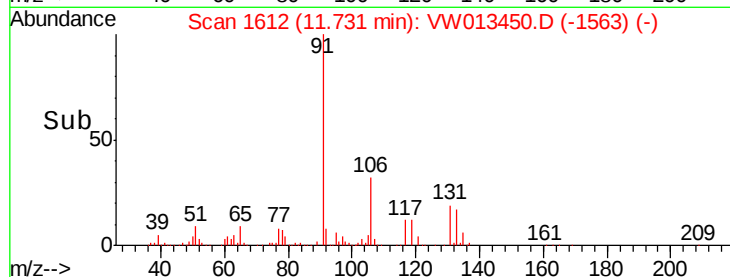
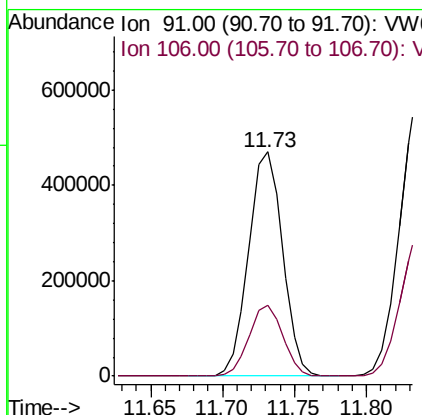
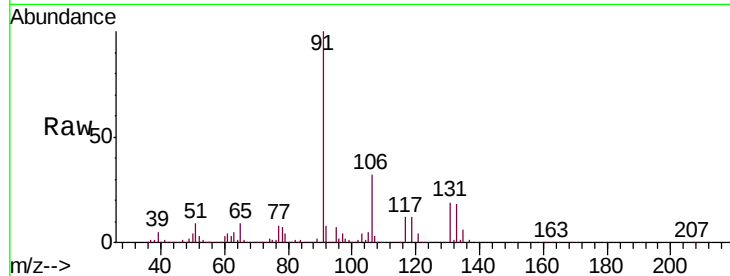




#67
Ethyl Benzene
Concen: 50.780 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

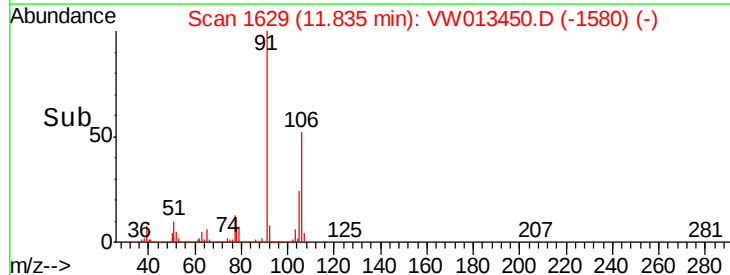
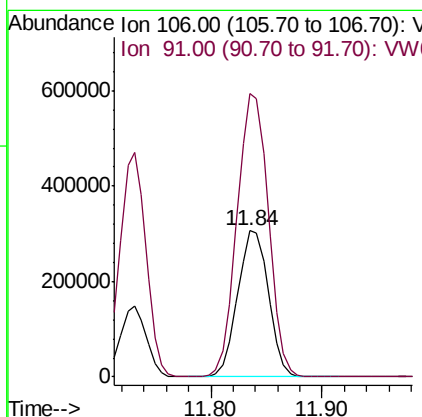
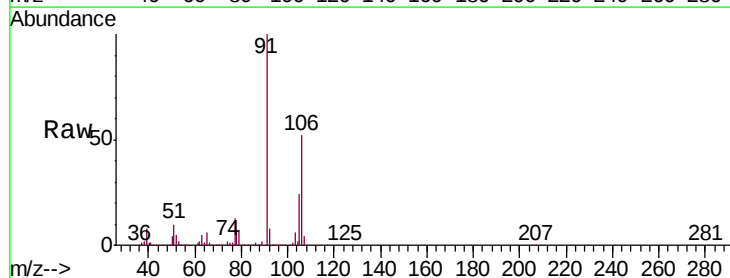
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

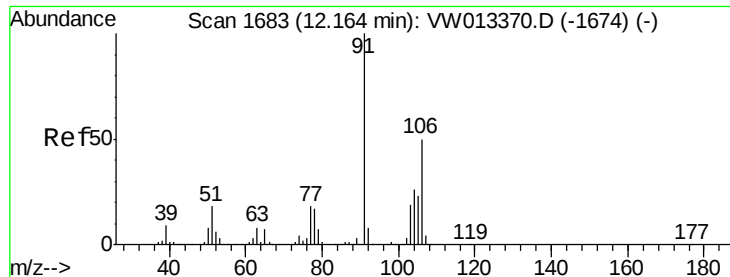
Tgt Ion: 91 Resp: 768150
Ion Ratio Lower Upper
91 100
106 31.8 24.9 37.3



#68
m/p-Xylenes
Concen: 101.006 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Tgt Ion: 106 Resp: 589760
Ion Ratio Lower Upper
106 100
91 196.3 157.9 236.9

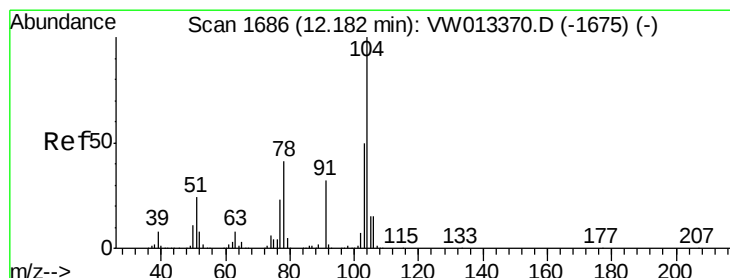
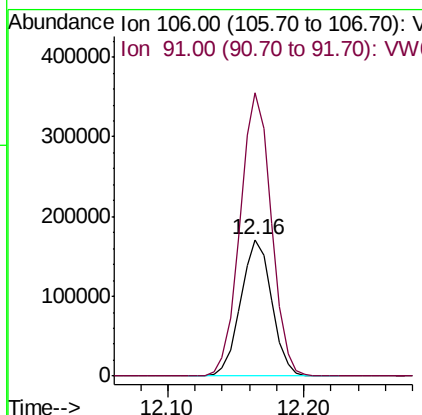
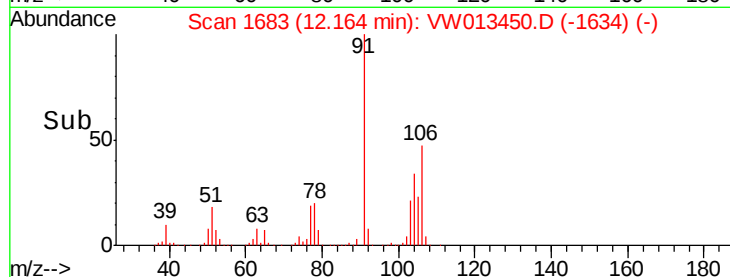
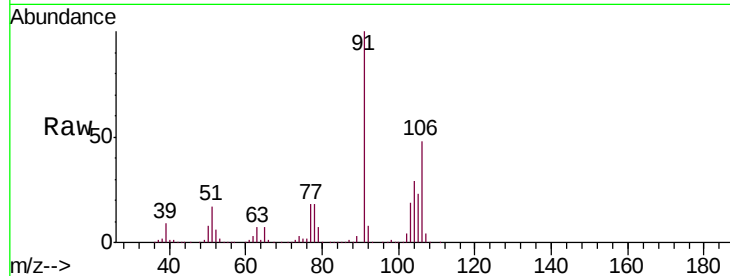




#69
o-Xylene
Concen: 50.533 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

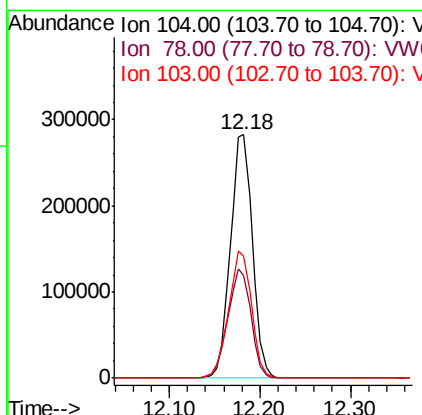
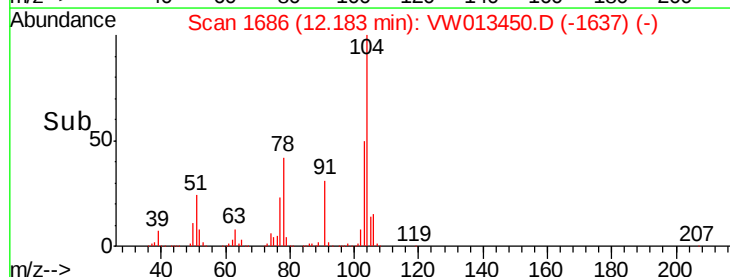
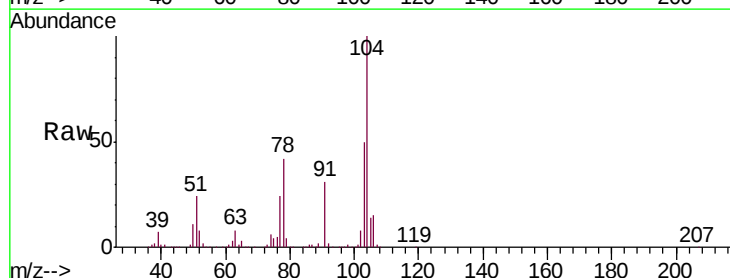
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

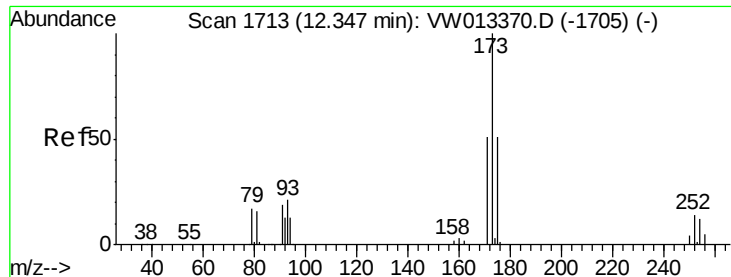
Tgt Ion:106 Resp: 272802
Ion Ratio Lower Upper
106 100
91 208.9 106.5 319.5



#70
Styrene
Concen: 51.431 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Tgt Ion:104 Resp: 474627
Ion Ratio Lower Upper
104 100
78 47.1 38.4 57.6
103 54.4 43.3 64.9

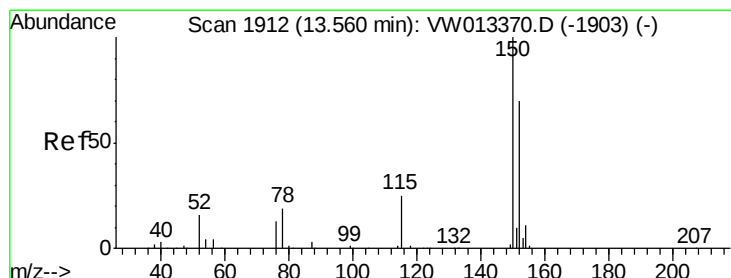
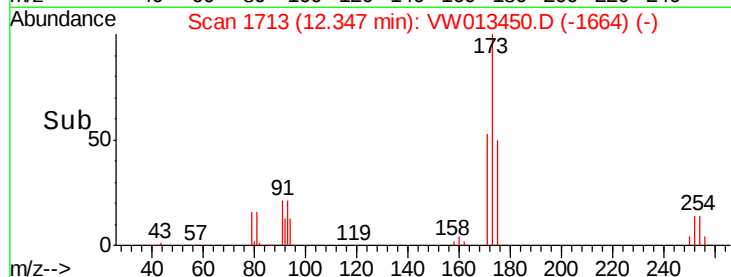
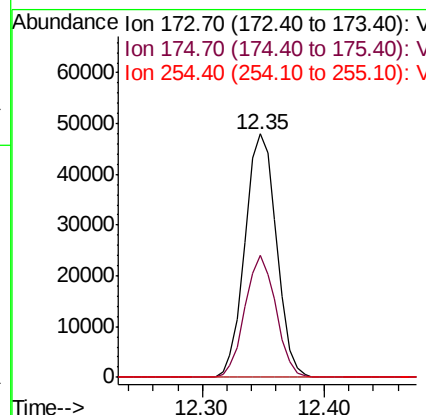
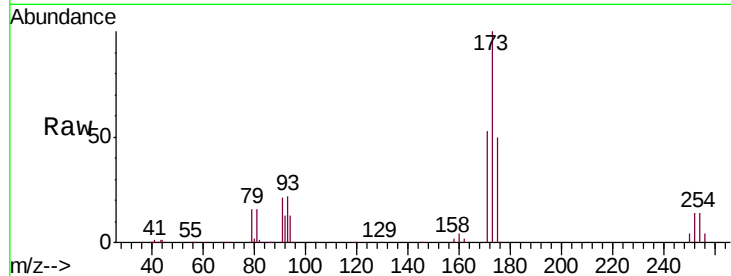




#71
Bromoform
Concen: 54.900 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

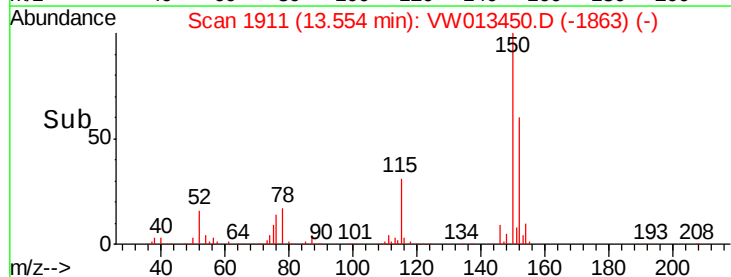
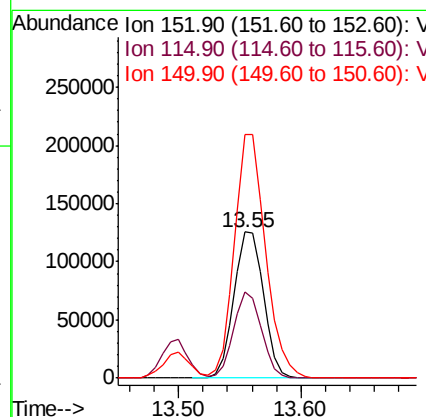
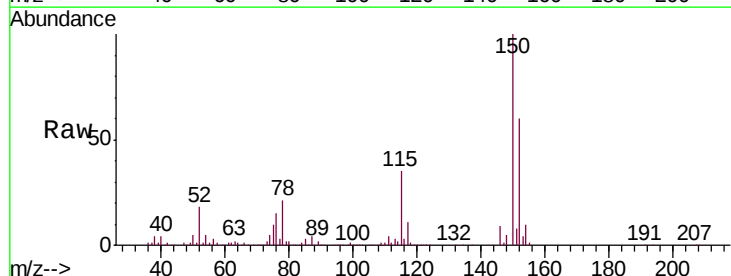
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

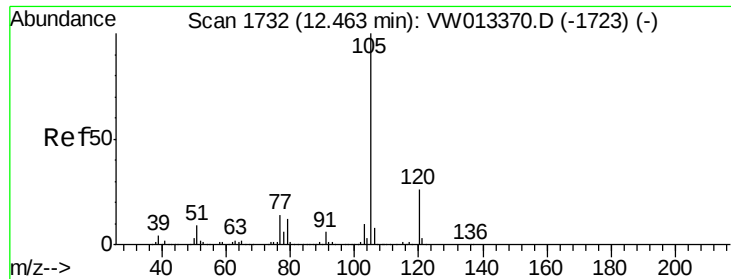
Tgt Ion:173 Resp: 85566
Ion Ratio Lower Upper
173 100
175 49.1 24.3 73.0
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Tgt Ion:152 Resp: 209581
Ion Ratio Lower Upper
152 100
115 55.8 27.3 81.9
150 175.5 0.0 349.0





#73

Isopropylbenzene

Concen: 50.644 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

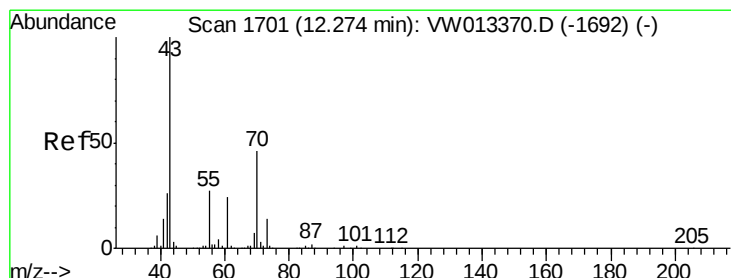
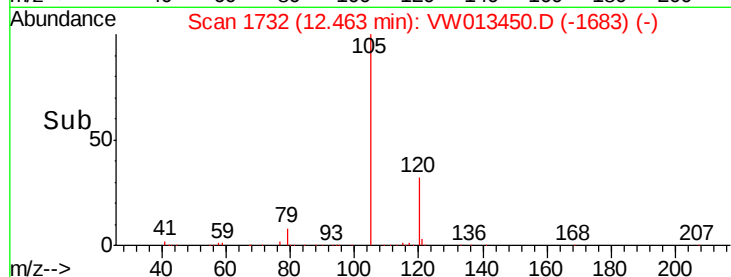
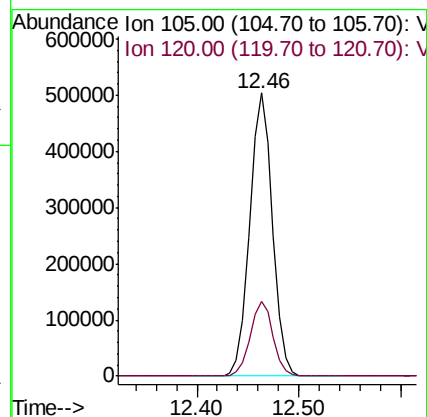
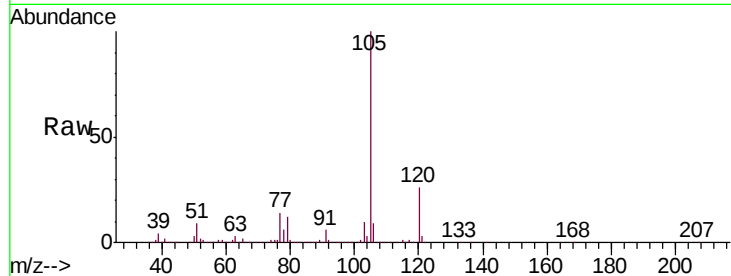
VSTDCCC050EC

Tgt Ion: 105 Resp: 776395

Ion Ratio Lower Upper

105 100

120 26.5 13.4 40.1



#74

N-ethyl acetate

Concen: 56.767 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Tgt Ion: 43 Resp: 185208

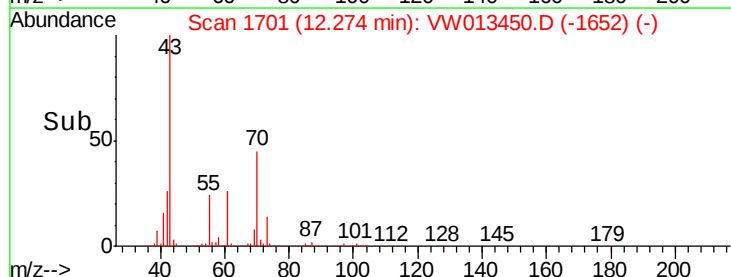
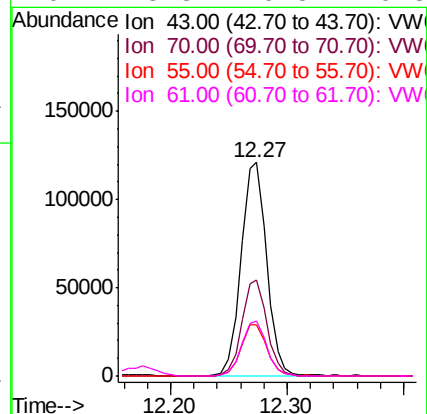
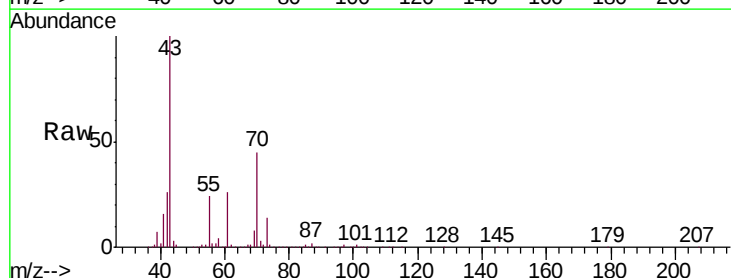
Ion Ratio Lower Upper

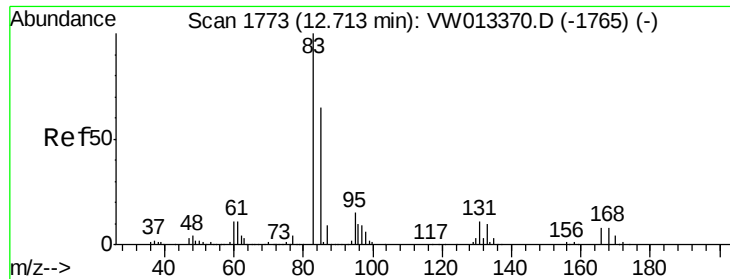
43 100

70 44.0 35.1 52.7

55 24.2 19.9 29.9

61 25.3 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 54.654 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

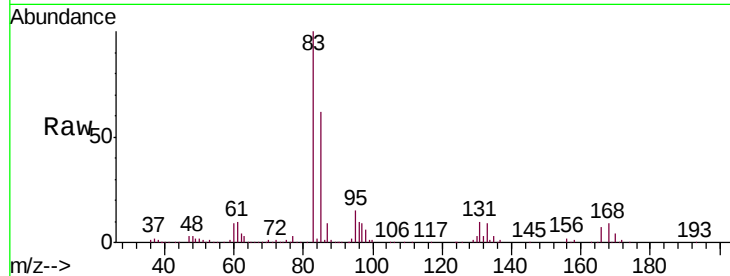
Tgt Ion: 83 Resp: 141815

Ion Ratio Lower Upper

83 100

131 11.1 5.4 16.2

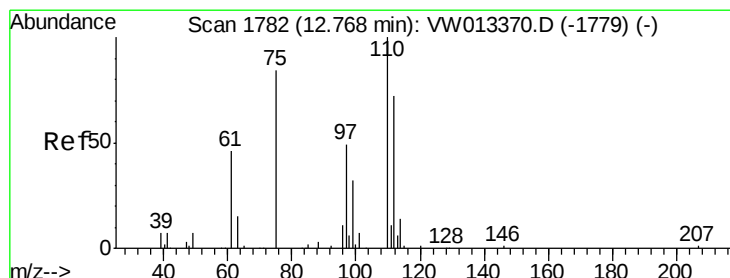
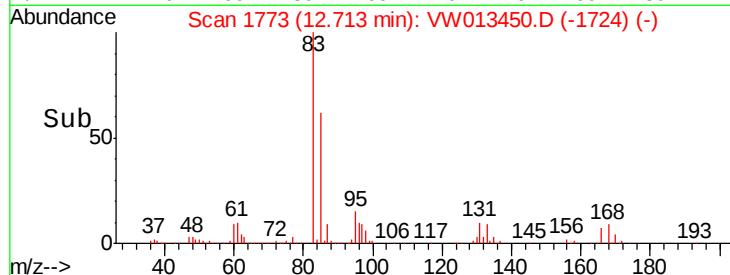
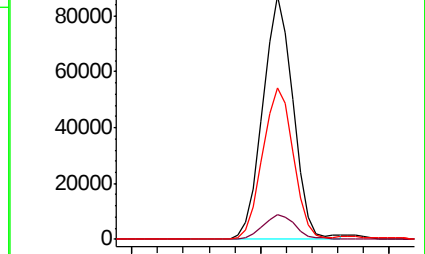
85 63.6 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 95.523 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013450.D

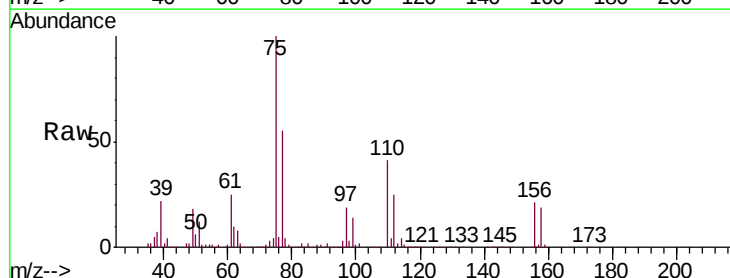
Acq: 04 Oct 2019 20:03

Tgt Ion: 75 Resp: 177930

Ion Ratio Lower Upper

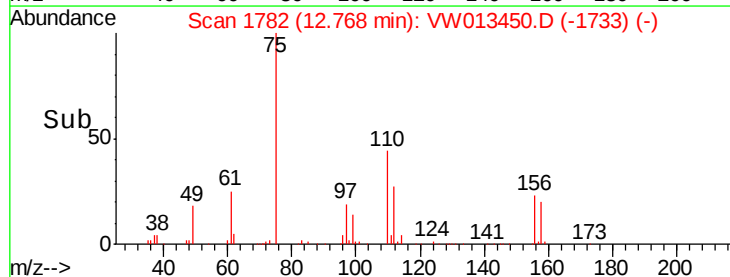
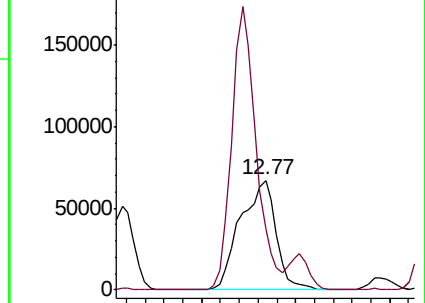
75 100

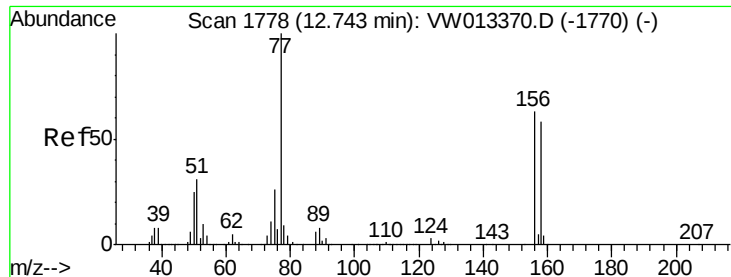
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 49.139 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

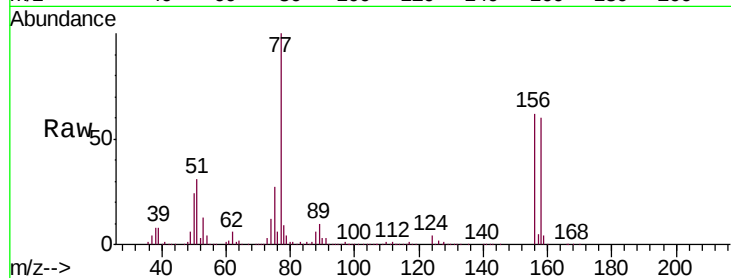
Tgt Ion:156 Resp: 180887

Ion Ratio Lower Upper

156 100

77 174.3 85.7 257.1

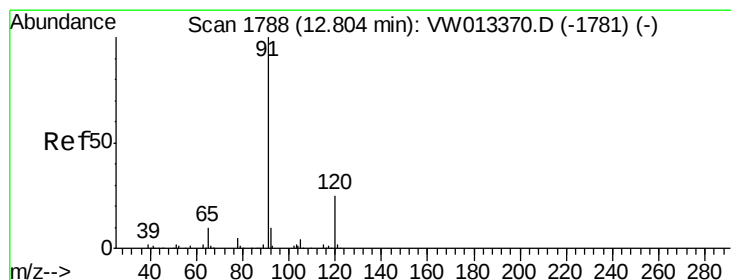
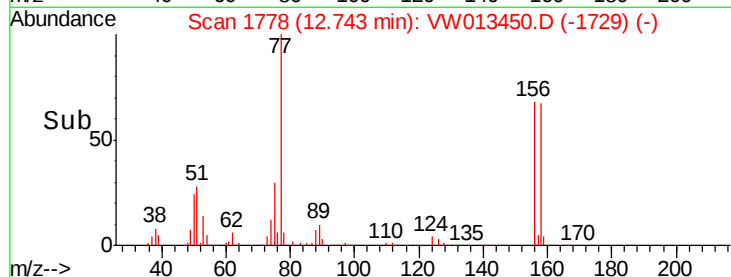
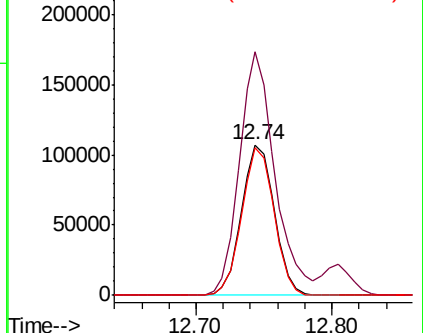
158 96.8 48.1 144.4



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: 50.460 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013450.D

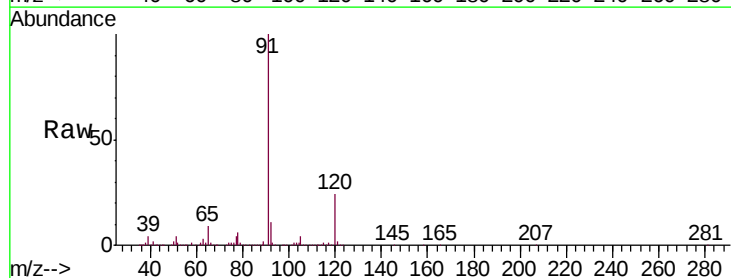
Acq: 04 Oct 2019 20:03

Tgt Ion: 91 Resp: 889825

Ion Ratio Lower Upper

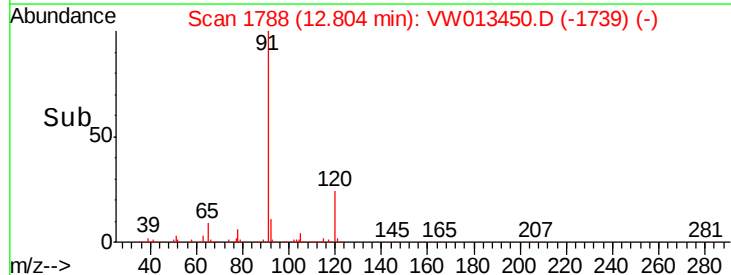
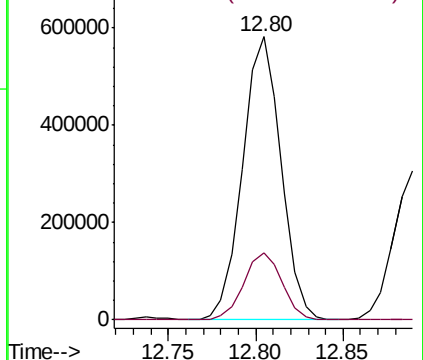
91 100

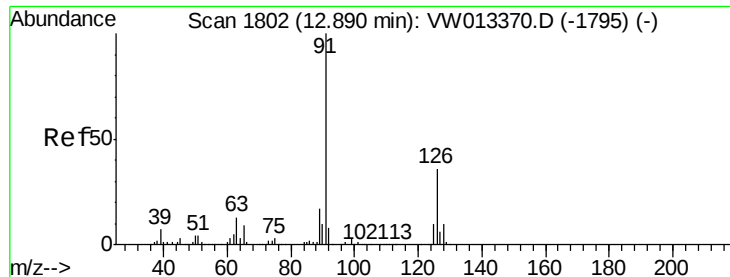
120 23.8 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

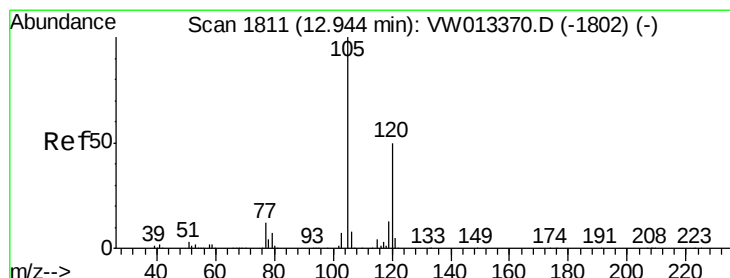
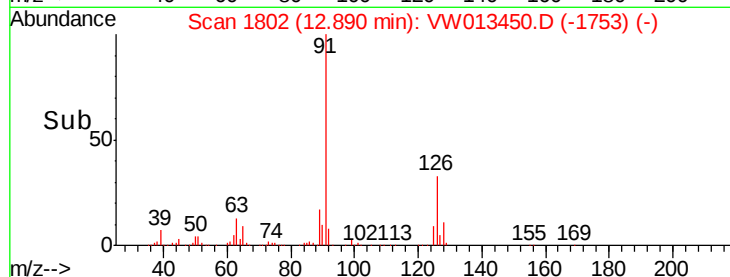
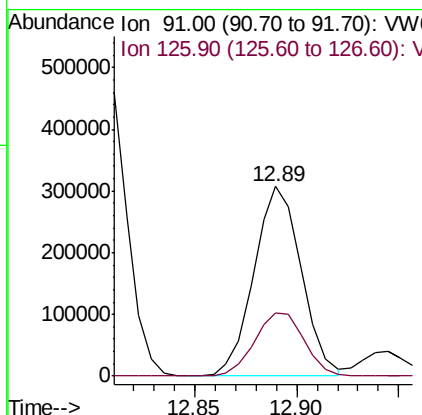
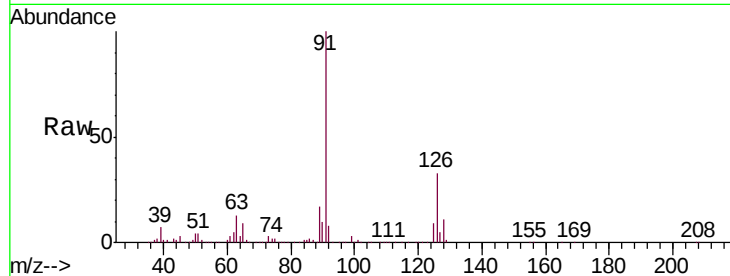




#79
 2-Chlorotoluene
 Concen: 50.662 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

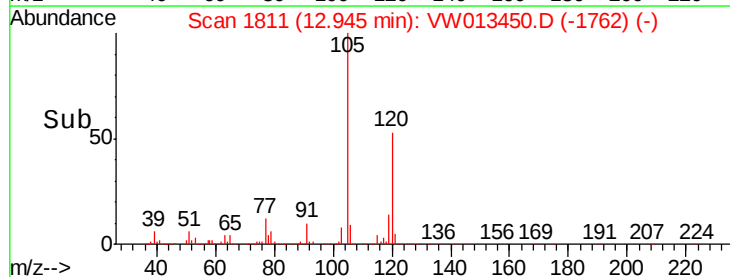
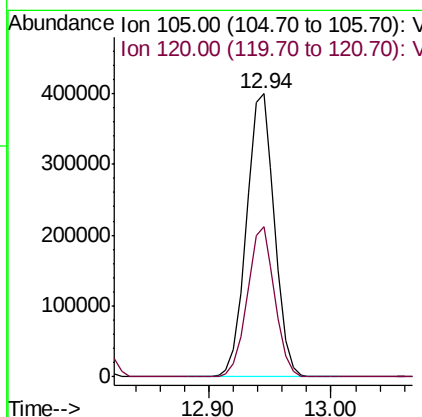
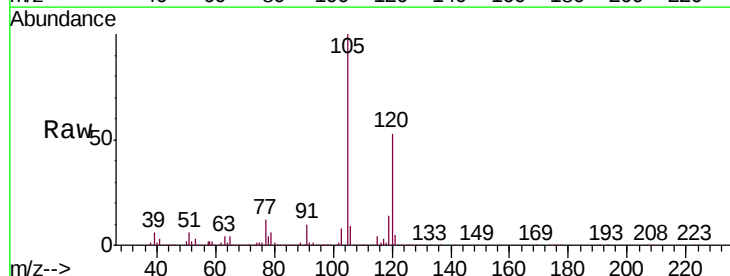
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

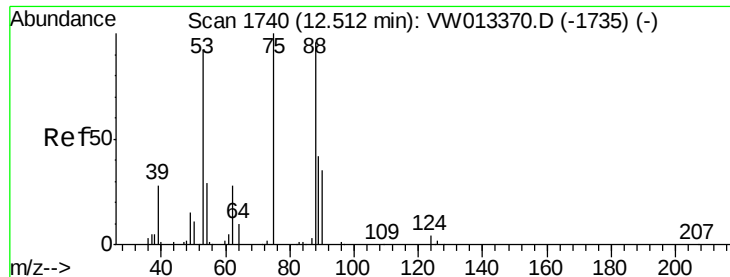
Tgt Ion: 91 Resp: 496216
 Ion Ratio Lower Upper
 91 100
 126 35.0 17.2 51.5



#80
 1,3,5-Trimethylbenzene
 Concen: 49.620 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

Tgt Ion: 105 Resp: 631906
 Ion Ratio Lower Upper
 105 100
 120 51.7 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 54.509 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

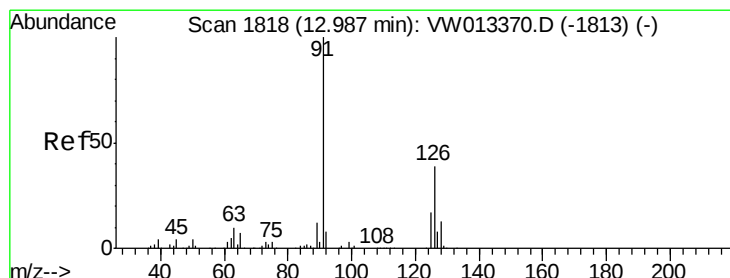
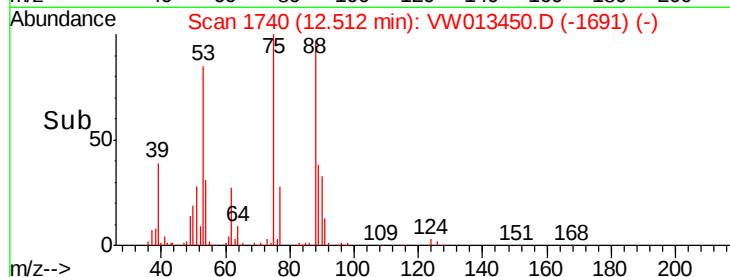
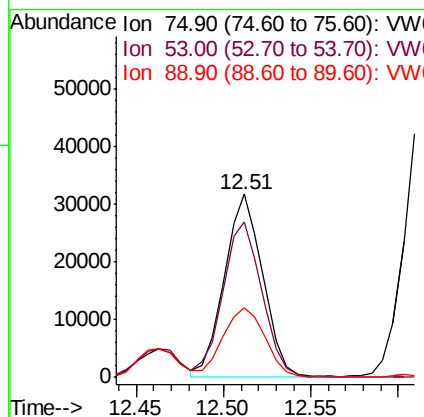
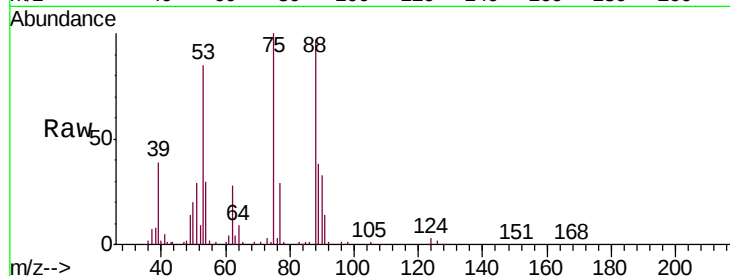
Tgt Ion: 75 Resp: 48109

Ion Ratio Lower Upper

75 100

53 87.7 76.6 114.8

89 41.6 33.5 50.3



#82

4-Chlorotoluene

Concen: 50.257 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW013450.D

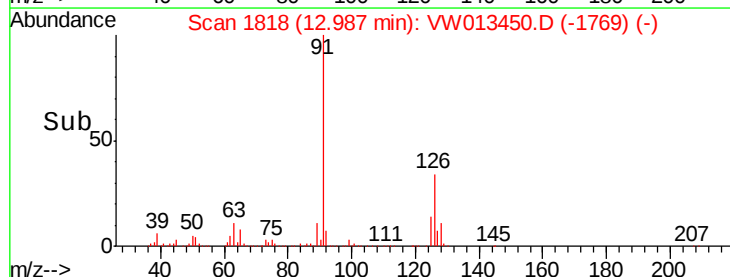
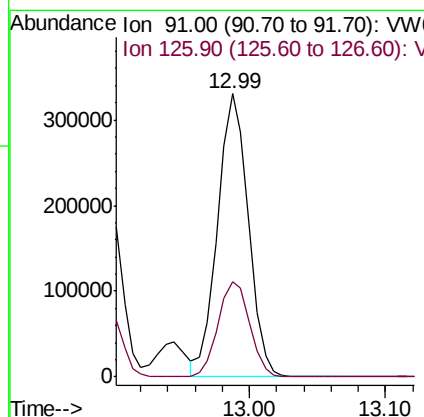
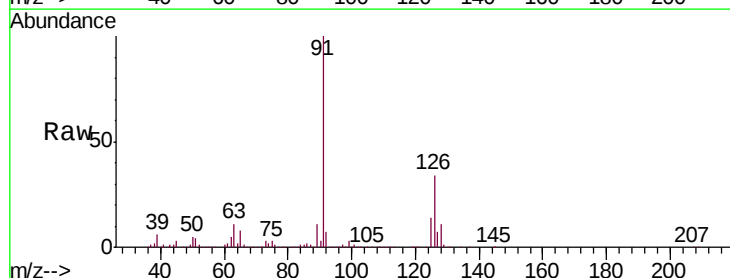
Acq: 04 Oct 2019 20:03

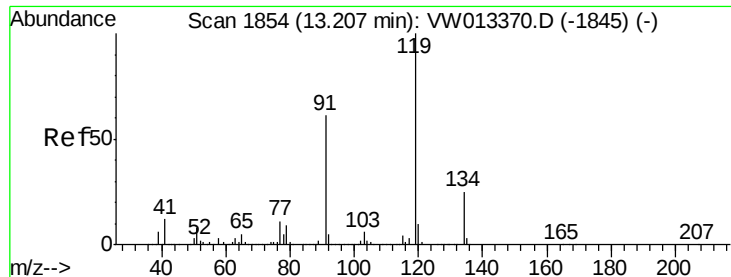
Tgt Ion: 91 Resp: 515645

Ion Ratio Lower Upper

91 100

126 34.6 17.3 51.7

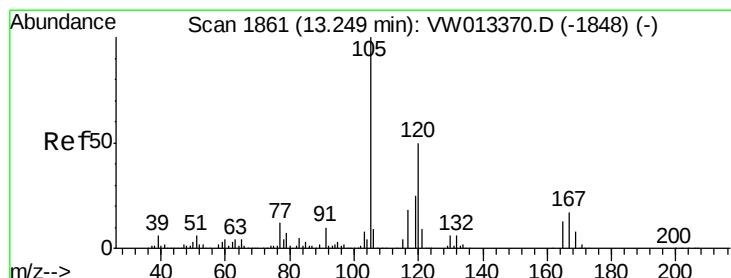
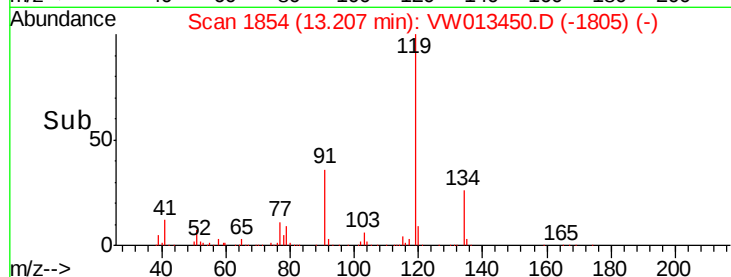
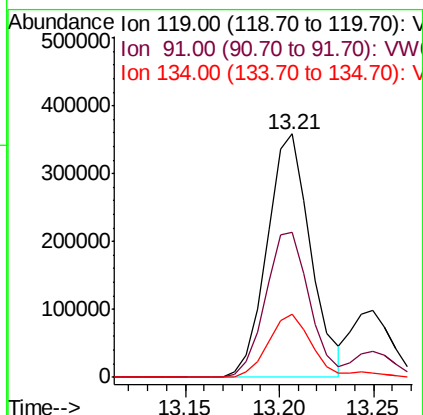
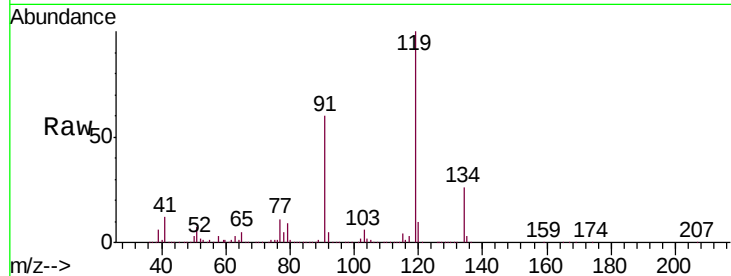




#83
tert-Butylbenzene
Concen: 51.465 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

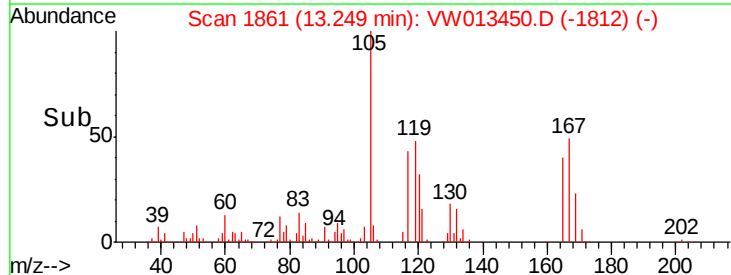
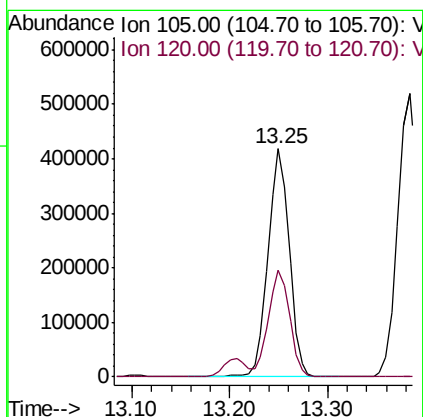
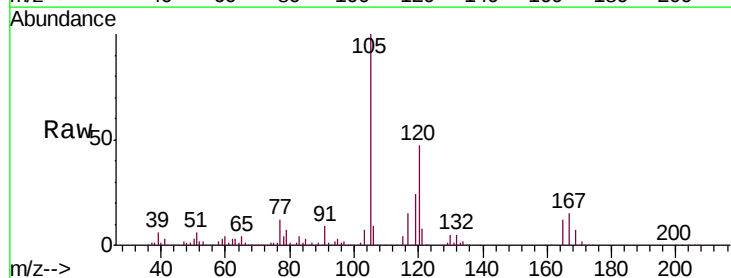
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

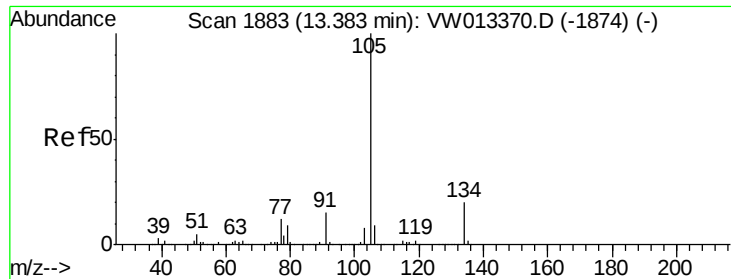
Tgt Ion:119 Resp: 572462
Ion Ratio Lower Upper
119 100
91 60.0 30.7 92.1
134 27.2 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 49.953 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Tgt Ion:105 Resp: 632395
Ion Ratio Lower Upper
105 100
120 46.4 23.4 70.3

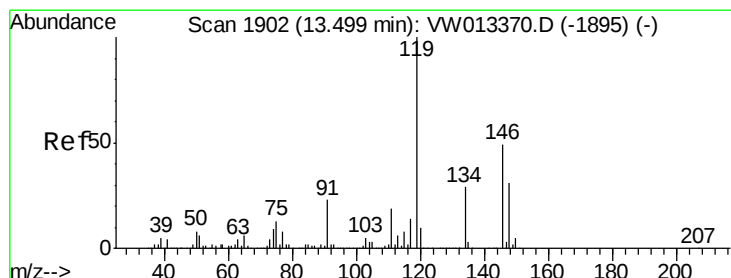
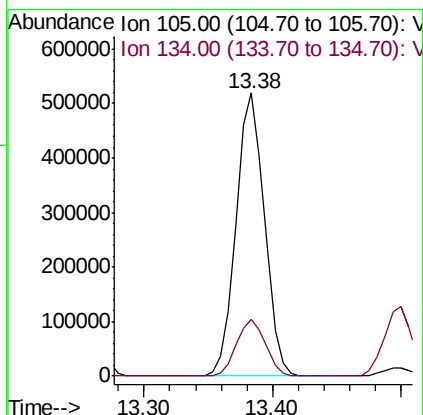
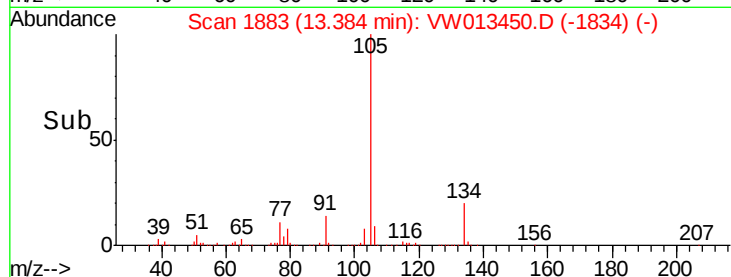
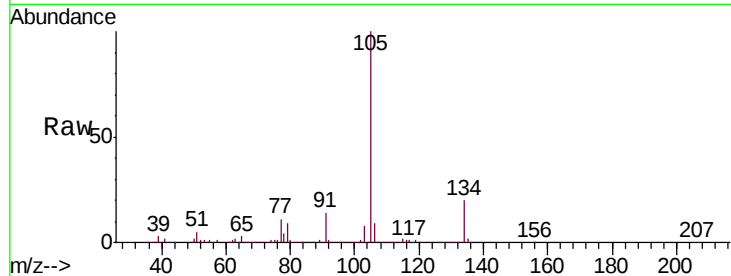




#85
 sec-Butylbenzene
 Concen: 51.659 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

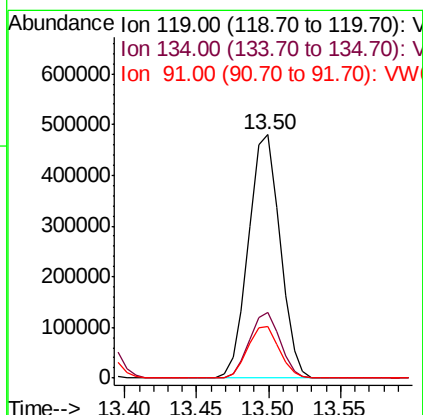
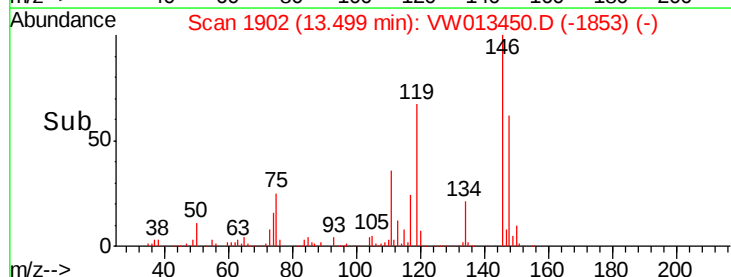
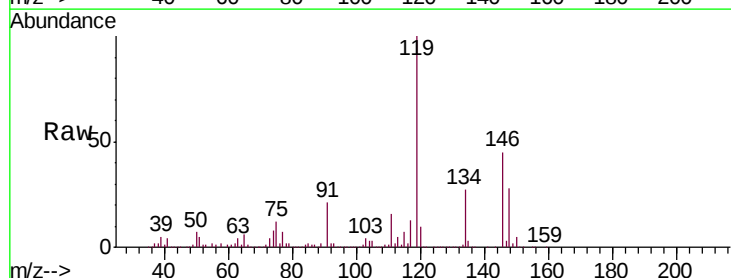
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

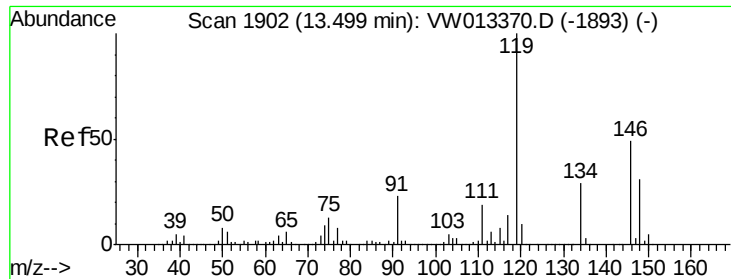
Tgt Ion:105 Resp: 792259
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 51.221 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

Tgt Ion:119 Resp: 728003
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.3 39.8
 91 21.3 10.8 32.4

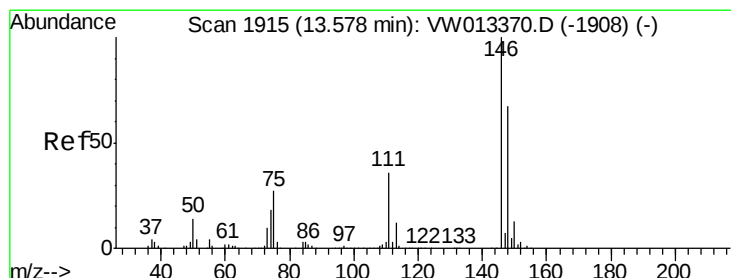
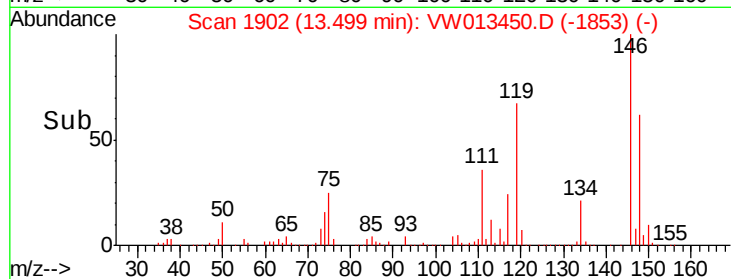
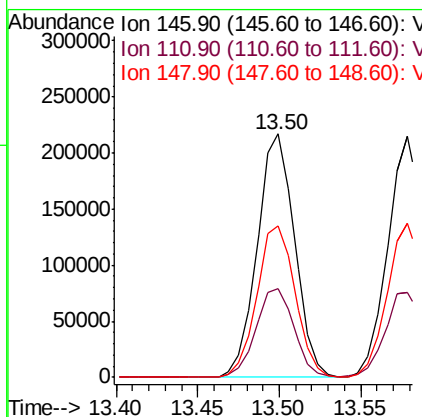
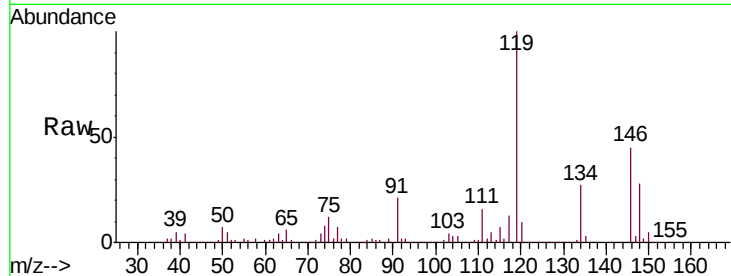




#87
 1,3-Dichlorobenzene
 Concen: 49.994 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

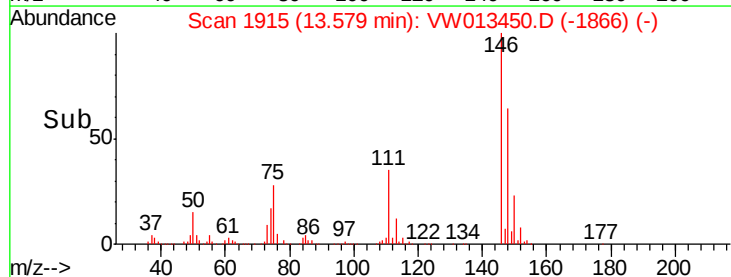
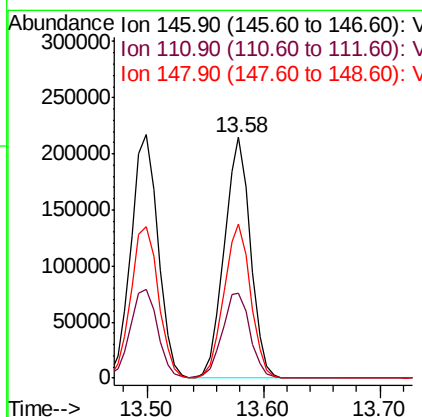
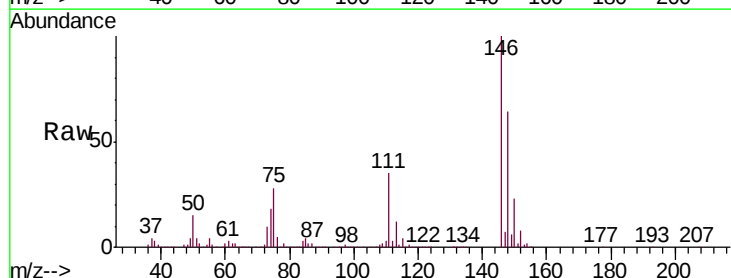
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

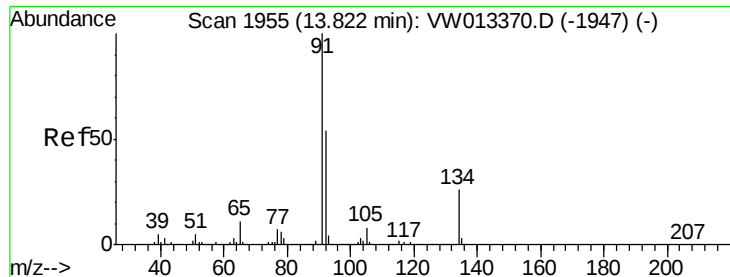
Tgt Ion:146 Resp: 346230
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.9 56.9
 148 63.7 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 48.123 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

Tgt Ion:146 Resp: 333693
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.4 55.0
 148 65.1 32.1 96.3





#89

n-Butylbenzene

Concen: 51.780 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

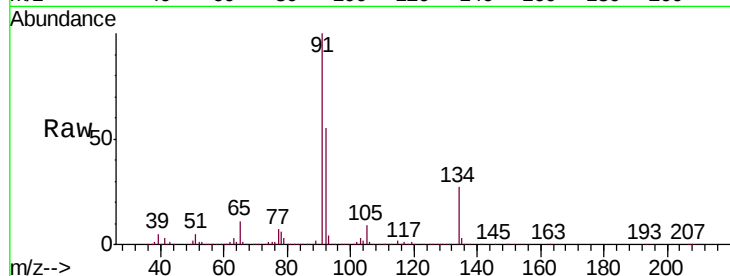
Tgt Ion: 91 Resp: 663496

Ion Ratio Lower Upper

91 100

92 55.4 27.6 82.8

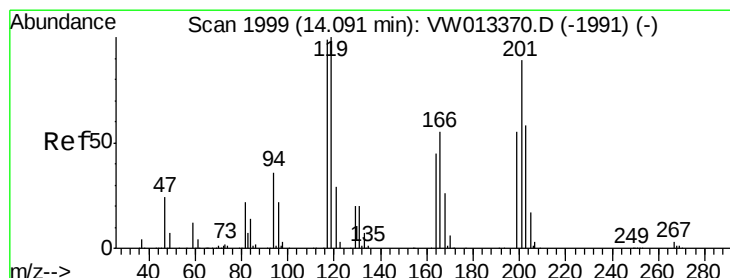
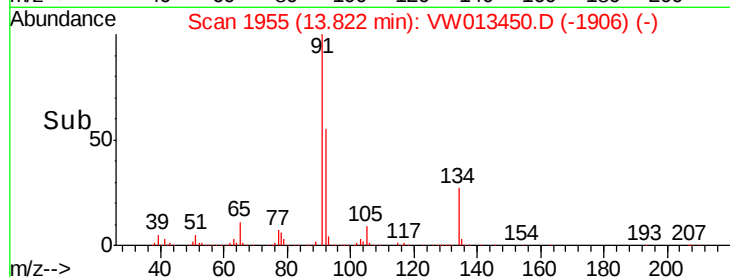
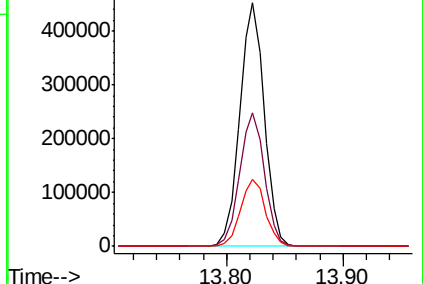
134 27.8 13.7 41.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 52.099 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW013450.D

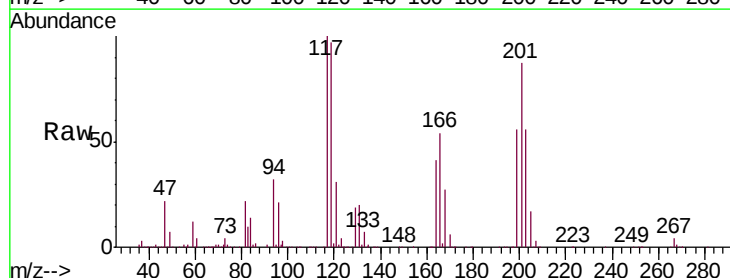
Acq: 04 Oct 2019 20:03

Tgt Ion: 117 Resp: 122335

Ion Ratio Lower Upper

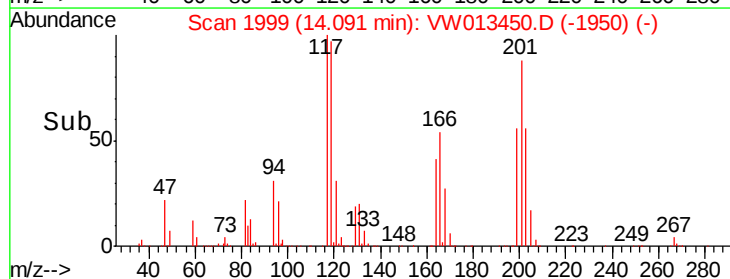
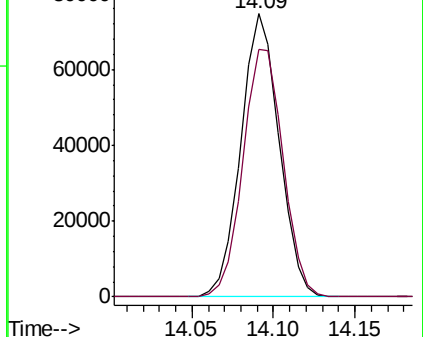
117 100

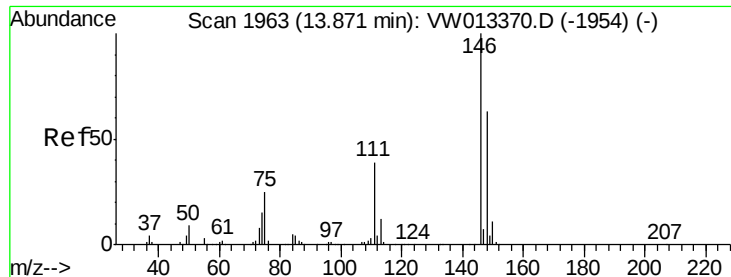
201 91.6 44.5 133.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

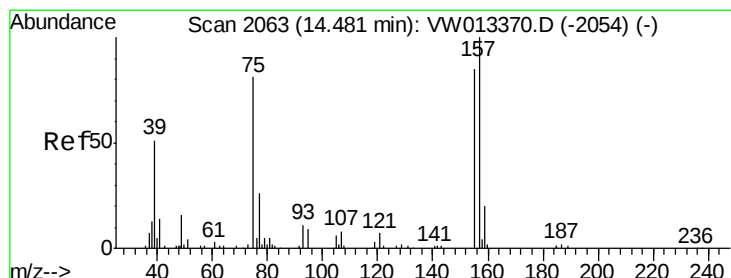
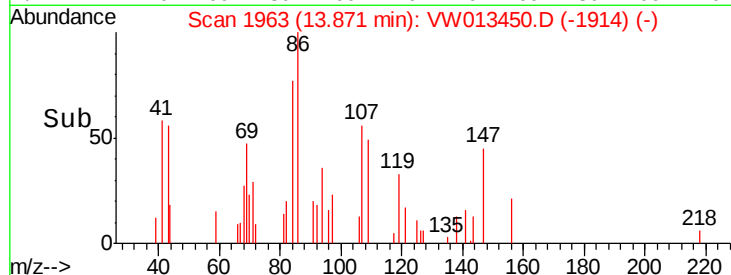
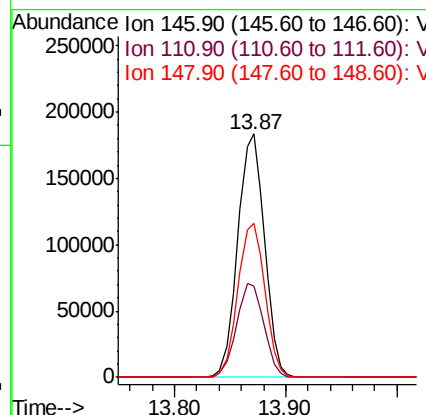
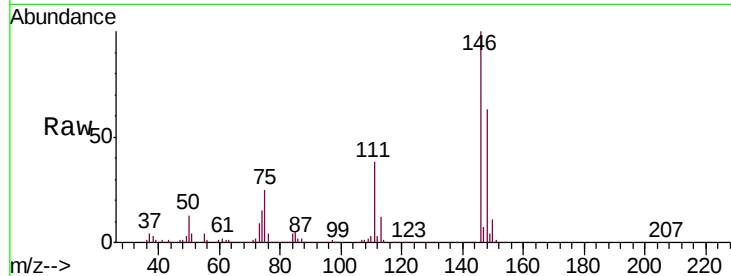




#91
 1,2-Dichlorobenzene
 Concen: 49.840 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

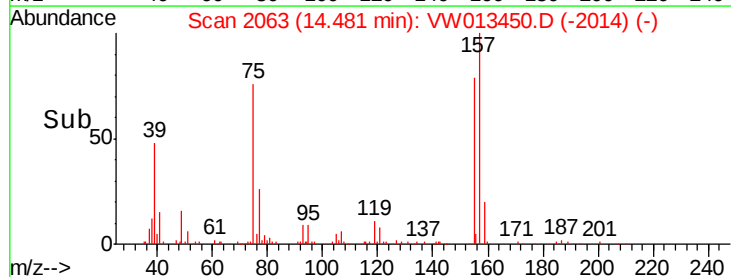
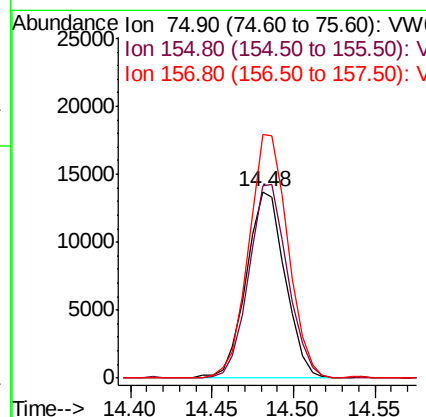
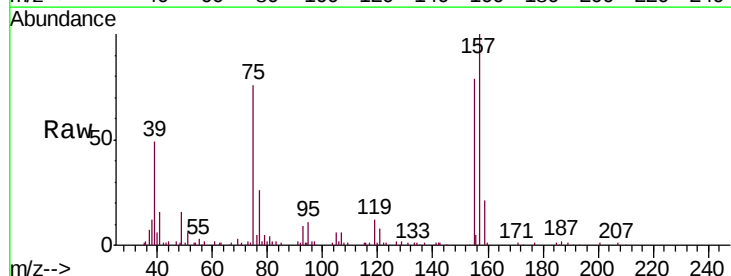
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

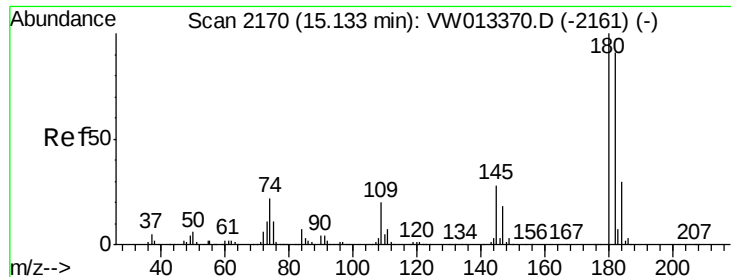
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.1	60.3
148	64.1	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.377 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.8	46.1	138.3
157	132.1	60.4	181.2

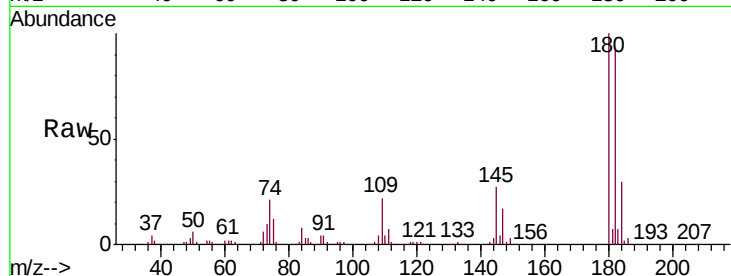




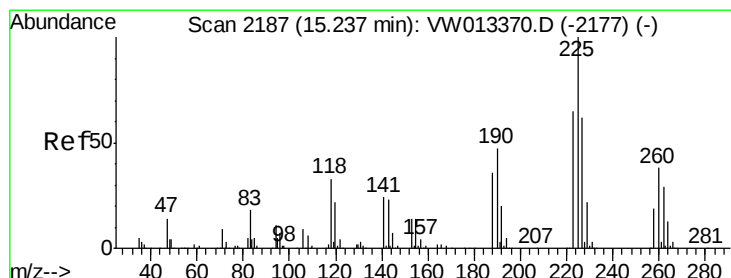
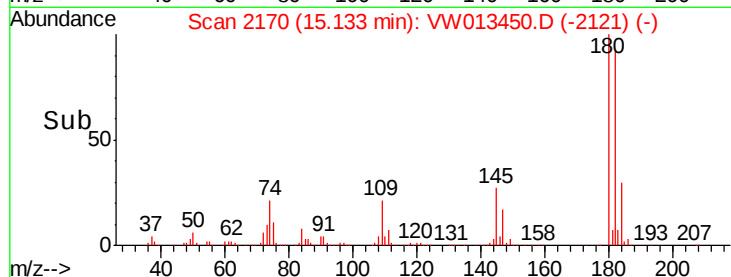
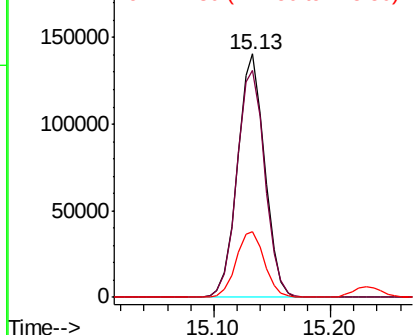
#93
 1,2,4-Trichlorobenzene
 Concen: 51.843 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:180 Resp: 227779
 Ion Ratio Lower Upper
 180 100
 182 96.5 47.3 142.0
 145 28.3 14.2 42.8

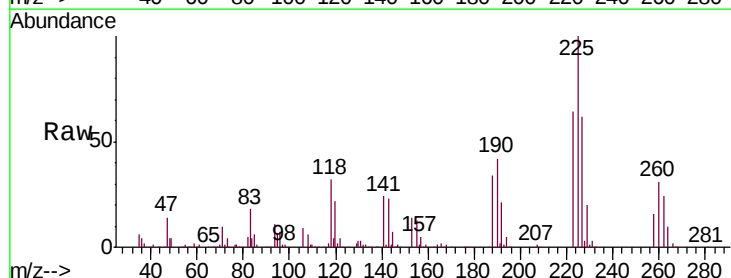


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

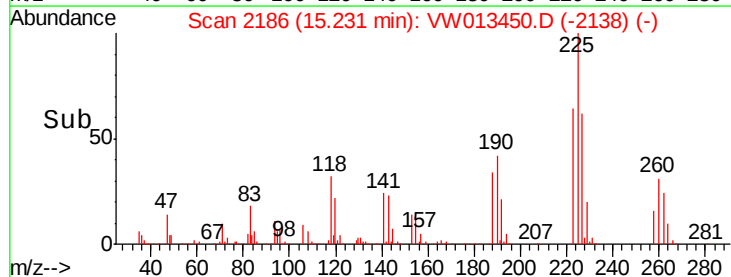
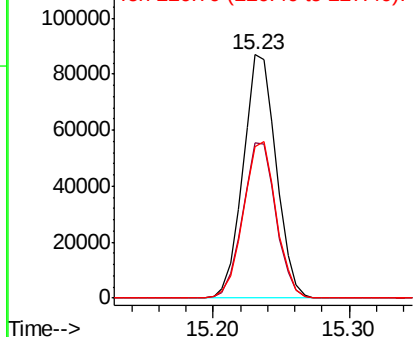


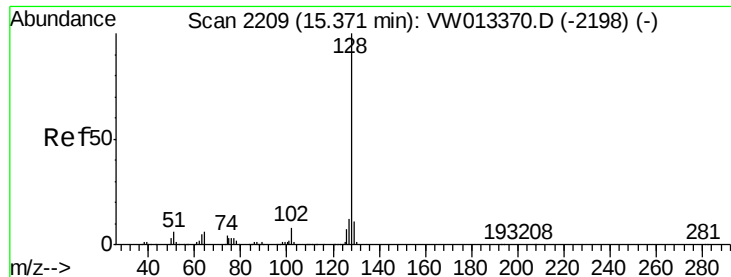
#94
 Hexachlorobutadiene
 Concen: 51.771 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

Tgt Ion:225 Resp: 147760
 Ion Ratio Lower Upper
 225 100
 223 63.9 30.6 91.8
 227 63.7 31.9 95.9



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

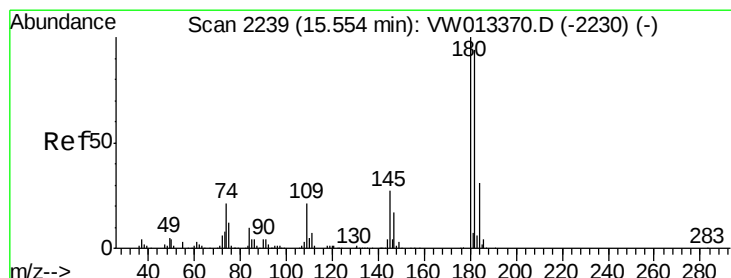
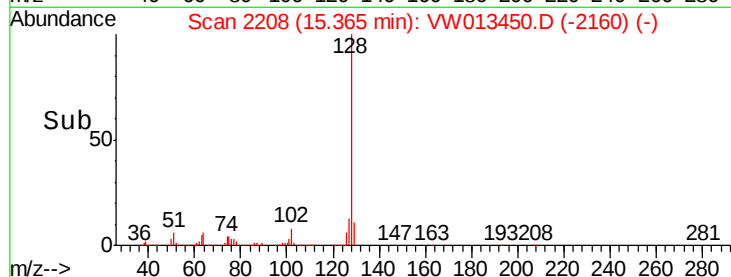
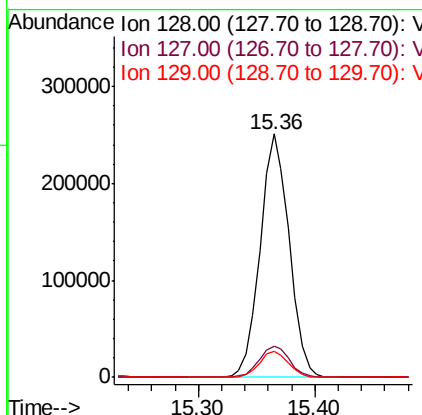
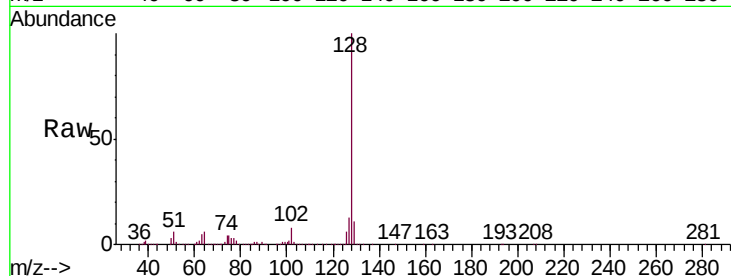




#95
Naphthalene
Concen: 58.612 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 434411
Ion Ratio Lower Upper
128 100
127 13.4 10.6 15.8
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 52.478 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Tgt Ion:180 Resp: 201307
Ion Ratio Lower Upper
180 100
182 95.2 47.9 143.7
145 29.8 15.0 45.0

