

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102319\
 Data File : VW013667.D
 Acq On : 23 Oct 2019 14:18
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 23 14:41:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	357923	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	497392	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	428285	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	214788	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	130245	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
35) Dibromofluoromethane	7.88	113	141718	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
50) Toluene-d8	10.32	98	585175	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
62) 4-Bromofluorobenzene	12.62	95	194357	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	89186	47.297	ug/l	97
3) Chloromethane	2.21	50	95403	47.077	ug/l	99
4) Vinyl Chloride	2.37	62	148904	48.655	ug/l	100
5) Bromomethane	2.78	94	99245	49.308	ug/l	96
6) Chloroethane	2.92	64	92496	49.948	ug/l	98
7) Trichlorofluoromethane	3.26	101	98537	51.547	ug/l	96
8) Diethyl Ether	3.68	74	75322	48.771	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	153860	49.511	ug/l	98
10) Methyl Iodide	4.27	142	250473	49.461	ug/l	100
11) Tert butyl alcohol	5.21	59	36142	225.480	ug/l	99
12) 1,1-Dichloroethene	4.04	96	161551	50.327	ug/l	96
13) Acrolein	3.90	56	45942	250.178	ug/l	97
14) Allyl chloride	4.67	41	248276	50.300	ug/l	99
15) Acrylonitrile	5.37	53	149334	237.798	ug/l	98
16) Acetone	4.14	43	148712	261.216	ug/l	97
17) Carbon Disulfide	4.38	76	468370	50.806	ug/l	100
18) Methyl Acetate	4.67	43	70588	45.231	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	190231	49.384	ug/l	99
20) Methylene Chloride	4.92	84	162390	52.037	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	175509	50.799	ug/l	99
22) Diisopropyl ether	6.31	45	450617	50.048	ug/l	99
23) Vinyl Acetate	6.25	43	1306244	250.033	ug/l	100
24) 1,1-Dichloroethane	6.21	63	283037	49.636	ug/l	100
25) 2-Butanone	7.17	43	190242	232.432	ug/l	97
26) 2,2-Dichloropropane	7.16	77	160364	48.635	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	183890	50.111	ug/l	99
28) Bromochloromethane	7.51	49	104730	51.509	ug/l #	99
29) Tetrahydrofuran	7.53	42	117860	232.591	ug/l	100
30) Chloroform	7.67	83	272864	48.407	ug/l	99
31) Cyclohexane	7.96	56	286123	47.947	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	220176	49.774	ug/l	100
36) 1,1-Dichloropropene	8.08	75	239174	51.632	ug/l	98
37) Ethyl Acetate	7.25	43	85626	48.288	ug/l	99
38) Carbon Tetrachloride	8.07	117	217162	52.060	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	317053	53.000	ug/l	99
40) Benzene	8.32	78	661740	50.479	ug/l	100
41) Methacrylonitrile	7.48	41	55615	50.296	ug/l	93
42) 1,2-Dichloroethane	8.40	62	164285	49.731	ug/l	100
43) Isopropyl Acetate	8.42	43	165144	48.655	ug/l	99
44) Trichloroethene	9.09	130	190688	50.780	ug/l	99
45) 1,2-Dichloropropane	9.37	63	158676	50.675	ug/l	98
46) Dibromomethane	9.46	93	75285	49.537	ug/l	98
47) Bromodichloromethane	9.64	83	200133	50.895	ug/l	100
48) Methyl methacrylate	9.43	41	82936	49.273	ug/l	98
49) 1,4-Dioxane	9.48	88	20442	910.245	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	401446	238.016	ug/l	100
52) Toluene	10.38	92	428997	50.733	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	204905	51.473	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	253185	51.551	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	110655	48.855	ug/l	96
56) Ethyl methacrylate	10.65	69	144653	51.046	ug/l	99
57) 1,3-Dichloropropane	10.93	76	192439	49.510	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	343676	263.514	ug/l	100
59) 2-Hexanone	10.97	43	281683	242.254	ug/l	99
60) Dibromochloromethane	11.13	129	134798	50.125	ug/l	100
61) 1,2-Dibromoethane	11.23	107	104933	48.970	ug/l	99
64) Tetrachloroethene	10.86	164	164950	50.409	ug/l	99
65) Chlorobenzene	11.66	112	441601	50.177	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	154934	50.442	ug/l	98
67) Ethyl Benzene	11.73	91	809830	51.030	ug/l	99
68) m/p-Xylenes	11.83	106	629386	102.652	ug/l	98
69) o-Xylene	12.16	106	286832	50.896	ug/l	99
70) Styrene	12.18	104	497234	51.352	ug/l	100
71) Bromoform	12.35	173	80271	49.800	ug/l	100
73) Isopropylbenzene	12.46	105	804737	52.172	ug/l	99
74) N-amyl acetate	12.27	43	151837	50.888	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	118565	48.711	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	152022	98.557	ug/l #	100
77) Bromobenzene	12.74	156	186019	50.484	ug/l	99
78) n-propylbenzene	12.80	91	939608	52.630	ug/l	100
79) 2-Chlorotoluene	12.89	91	518850	51.715	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	676488	51.954	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	40665	49.823	ug/l	98
82) 4-Chlorotoluene	12.99	91	544025	51.650	ug/l	98
83) tert-Butylbenzene	13.21	119	601551	52.047	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	669643	52.135	ug/l	99
85) sec-Butylbenzene	13.38	105	833462	52.734	ug/l	99
86) p-Isopropyltoluene	13.50	119	779217	52.927	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	362640	50.795	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	360337	50.805	ug/l	100
89) n-Butylbenzene	13.82	91	710487	53.464	ug/l	100
90) Hexachloroethane	14.09	117	134088	52.398	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	315142	50.909	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	17442	47.388	ug/l	98

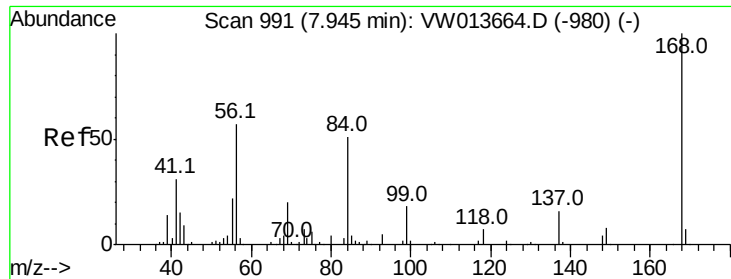
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102319\
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Quant Title : SW846 8260
QLast Update : Wed Oct 23 14:11:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	239540	53.172	ug/l	99
94) Hexachlorobutadiene	15.24	225	157535	51.799	ug/l	98
95) Naphthalene	15.36	128	369831	52.360	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	199594	51.417	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

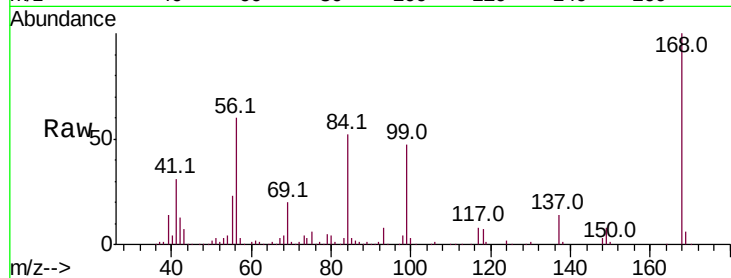
ClientSampled :

Tot Ion:168 Resp: 357923

Ion Ratio Lower Upper

168 100

99 46.6 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

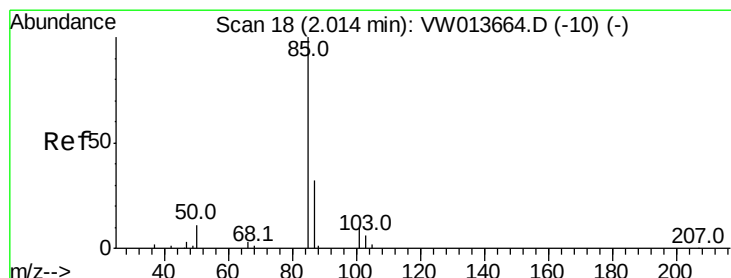
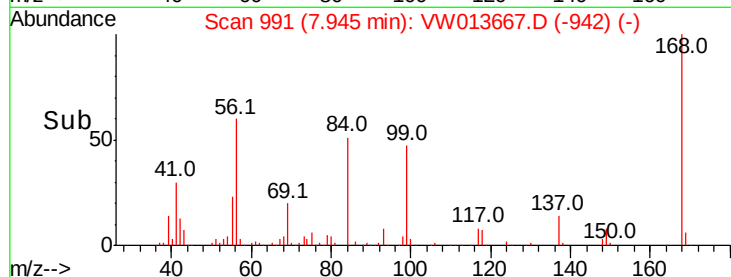
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.297 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW013667.D

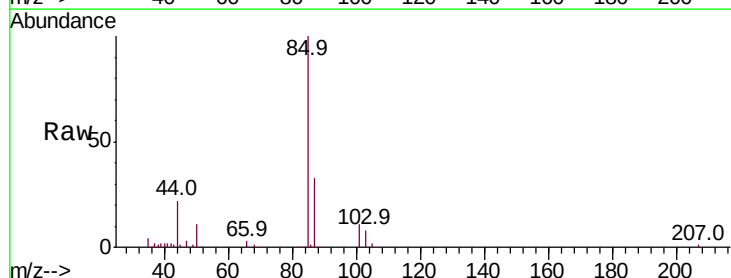
Acq: 23 Oct 2019 14:18

Tgt Ion: 85 Resp: 89186

Ion Ratio Lower Upper

85 100

87 33.5 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

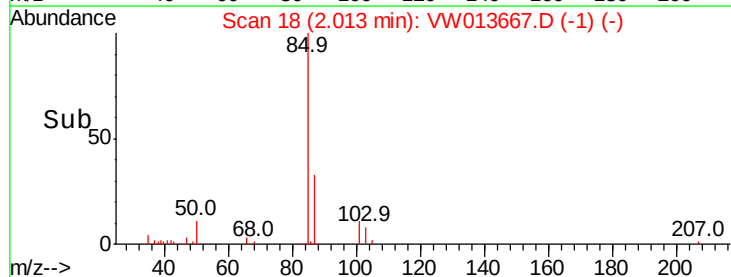
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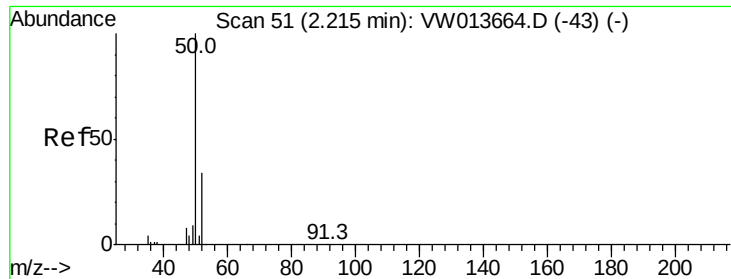
20000

10000

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Time-->





#3

Chloromethane

Concen: 47.077 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

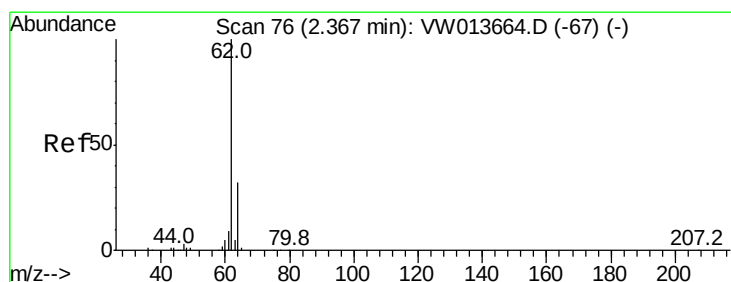
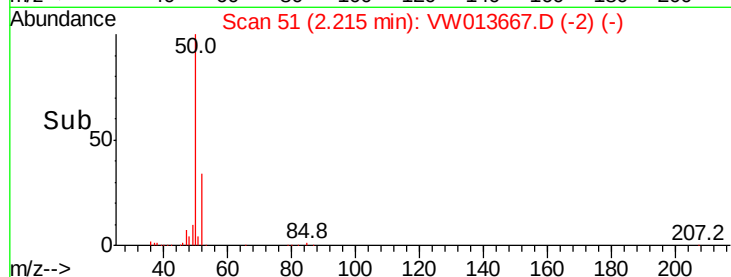
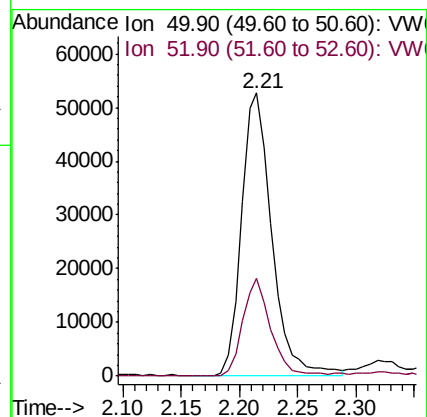
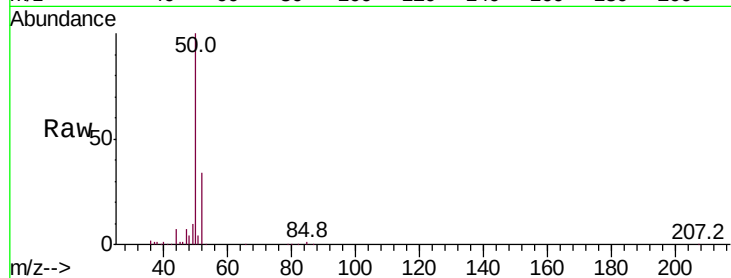
ClientSampleId :

Tot Ion: 50 Resp: 95403

Ion Ratio Lower Upper

50 100

52 34.4 26.9 40.3



#4

Vinyl Chloride

Concen: 48.655 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW013667.D

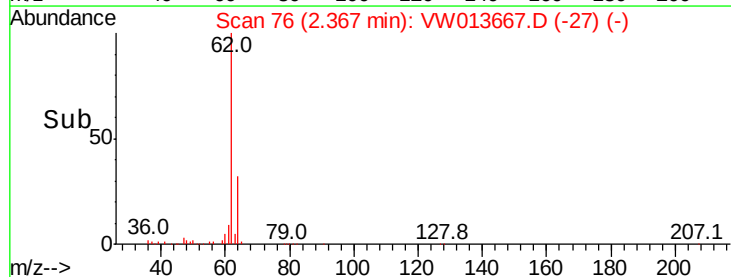
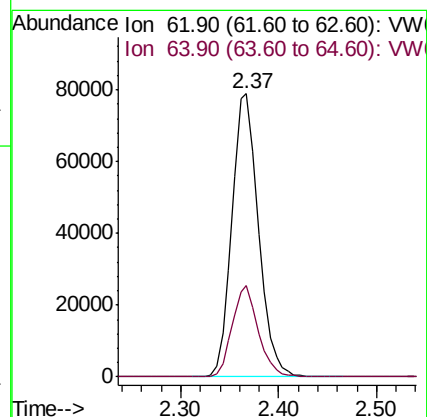
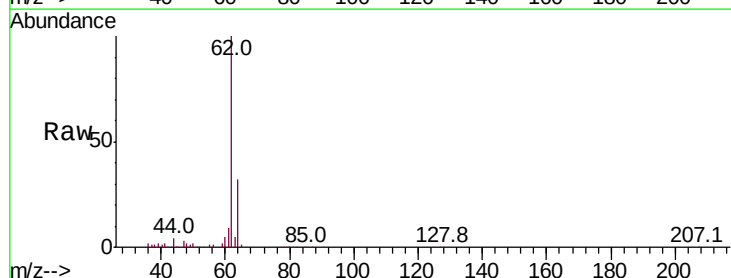
Acq: 23 Oct 2019 14:18

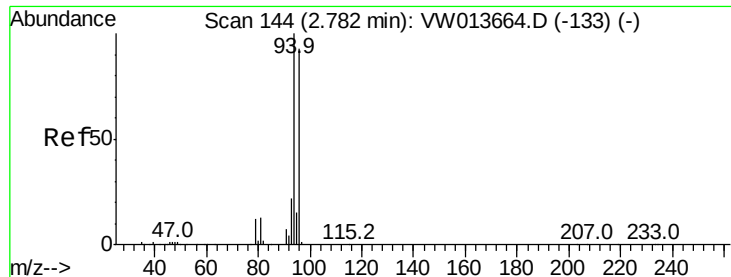
Tgt Ion: 62 Resp: 148904

Ion Ratio Lower Upper

62 100

64 32.2 25.5 38.3





#5

Bromomethane

Concen: 49.308 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

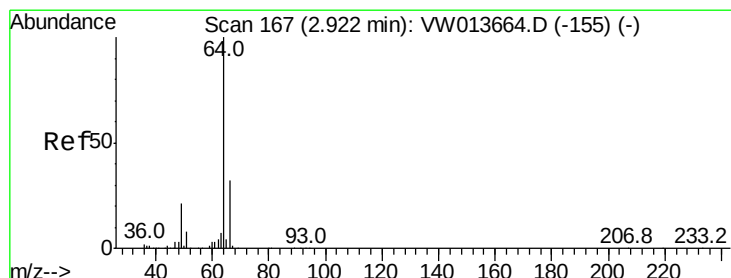
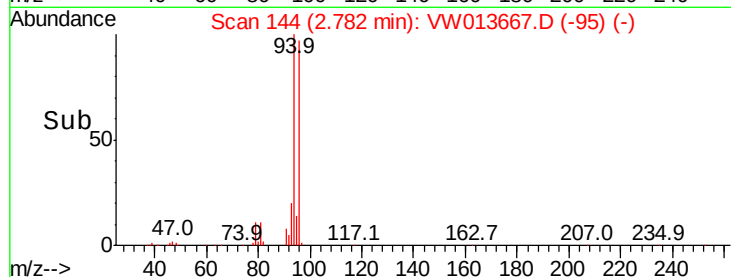
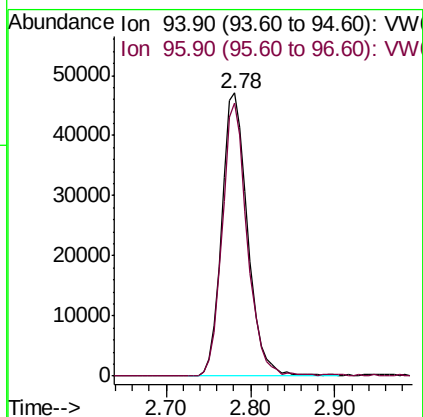
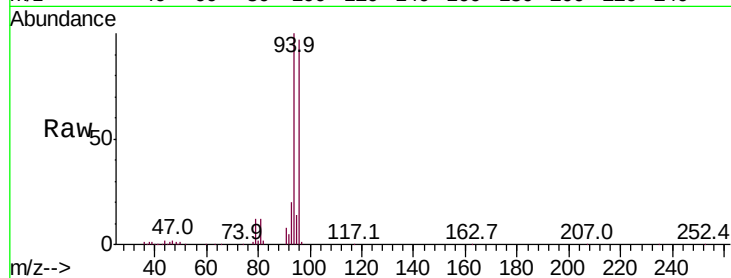
ClientSampleId :

Tot Ion: 94 Resp: 99245

Ion Ratio Lower Upper

94 100

96 96.7 74.6 112.0



#6

Chloroethane

Concen: 49.948 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013667.D

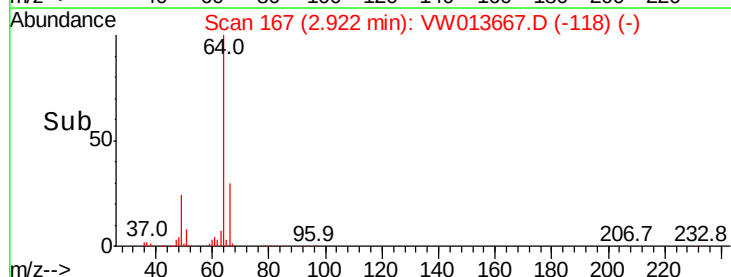
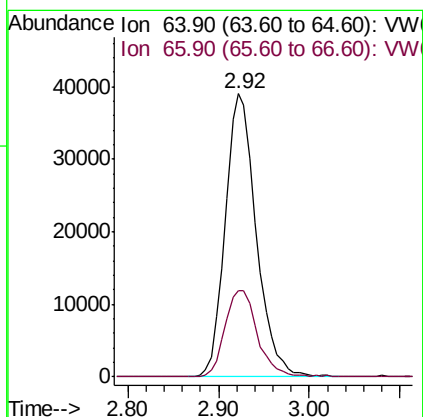
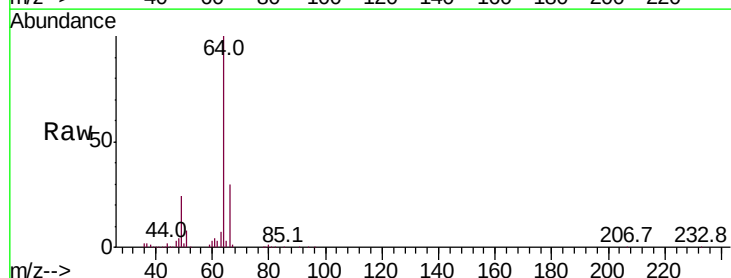
Acq: 23 Oct 2019 14:18

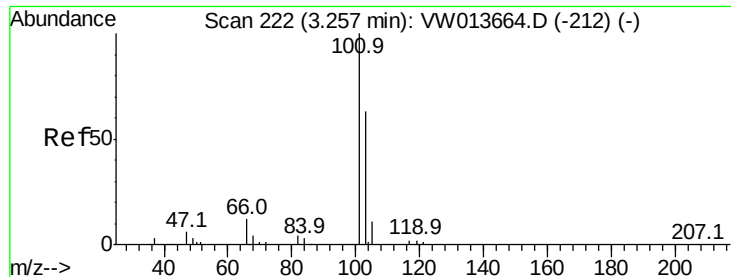
Tgt Ion: 64 Resp: 92496

Ion Ratio Lower Upper

64 100

66 30.5 25.4 38.0



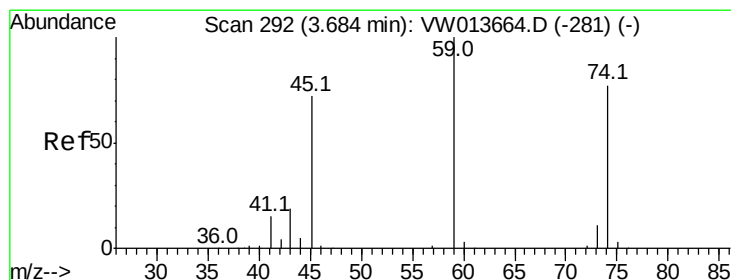
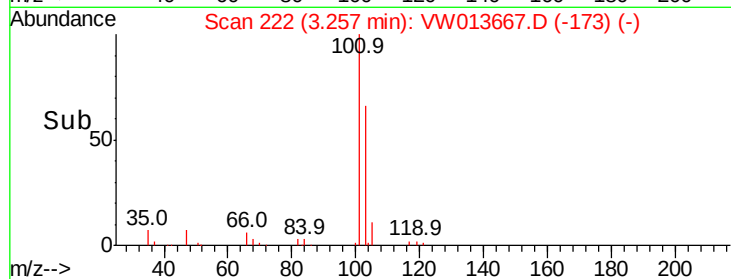
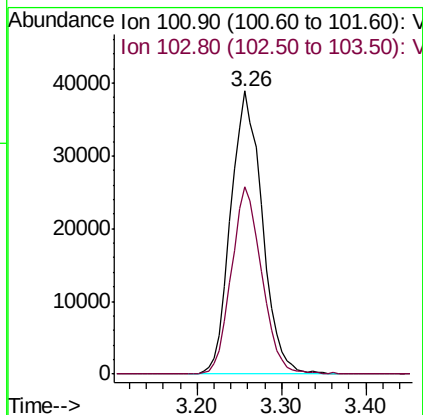
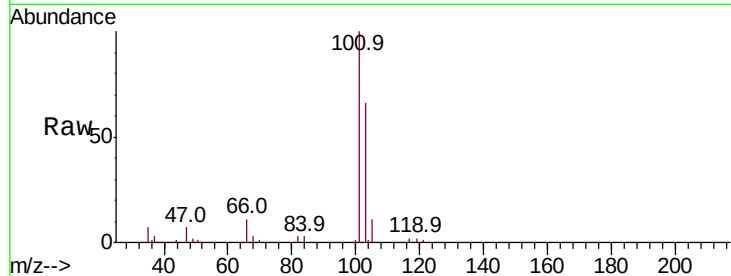


#7

Trichlorofluoromethane
 Concen: 51.547 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW013667.D
 Acq: 23 Oct 2019 14:18

Instrument :
 MSVOA_W
 ClientSampled :

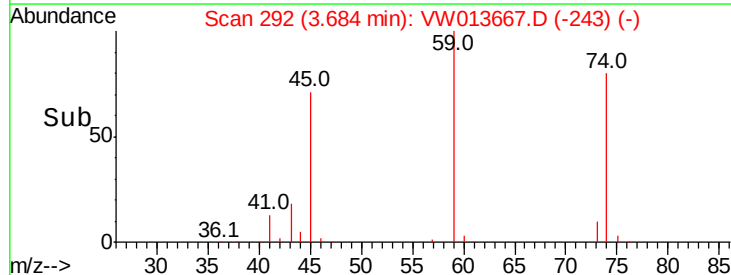
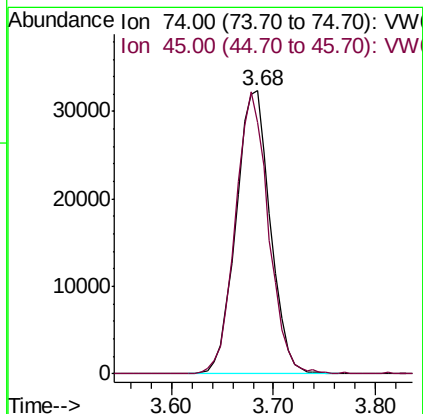
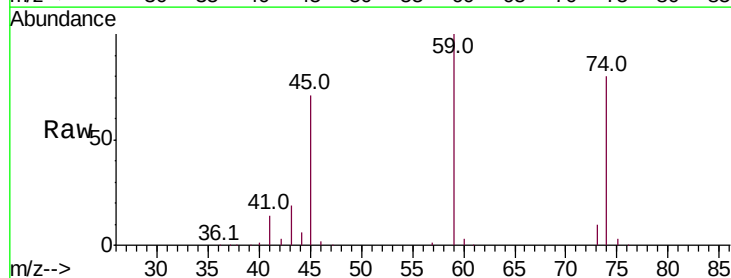
Tot Ion:101 Resp: 98537
 Ion Ratio Lower Upper
 101 100
 103 66.4 50.6 76.0

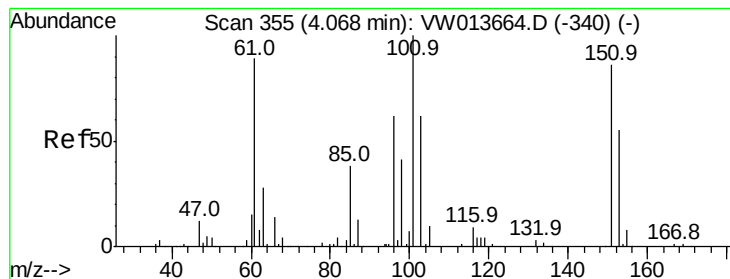


#8

Diethyl Ether
 Concen: 48.771 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW013667.D
 Acq: 23 Oct 2019 14:18

Tgt Ion: 74 Resp: 75322
 Ion Ratio Lower Upper
 74 100
 45 96.3 47.9 143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.511 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

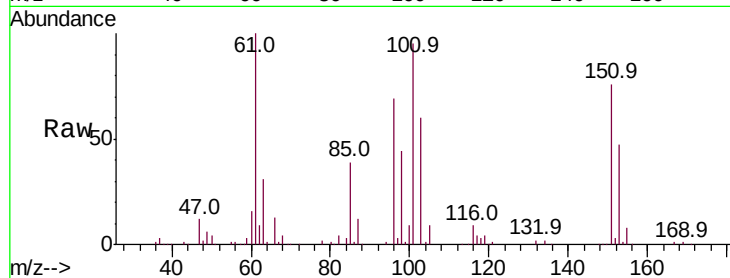
Tot Ion:101 Resp: 153860

Ion Ratio Lower Upper

101 100

85 41.0 31.0 46.6

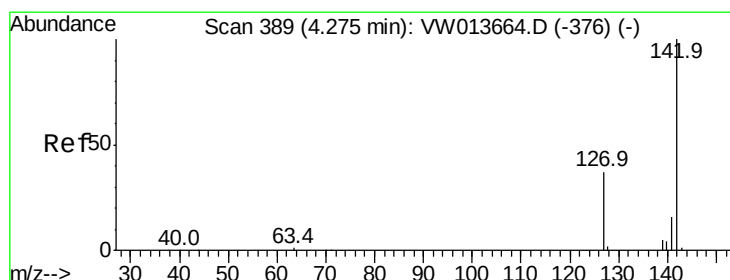
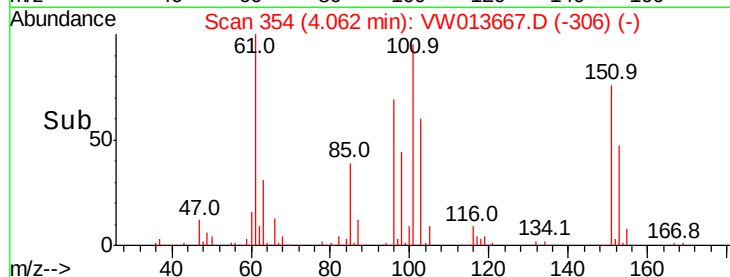
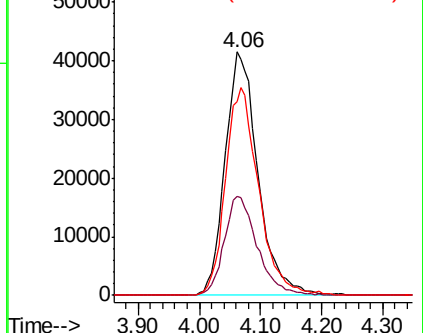
151 86.1 68.2 102.4



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: 49.461 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

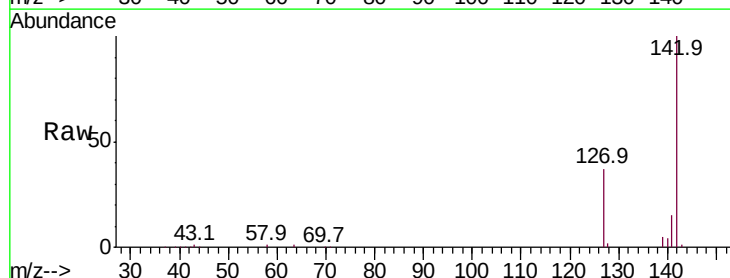
Tgt Ion:142 Resp: 250473

Ion Ratio Lower Upper

142 100

127 37.6 30.3 45.5

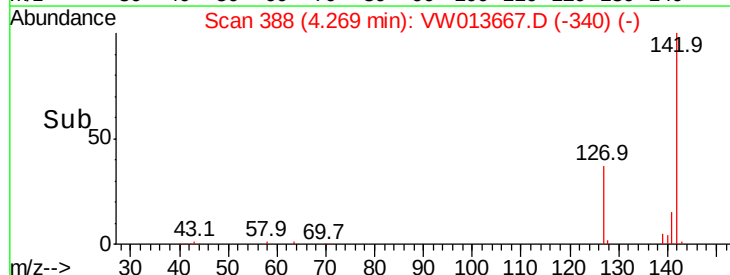
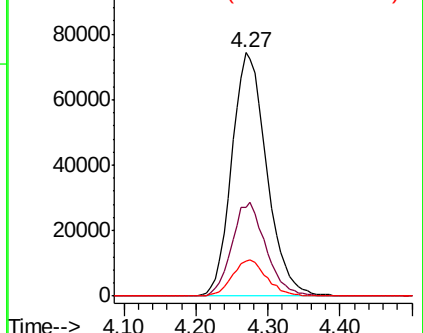
141 14.7 11.8 17.8

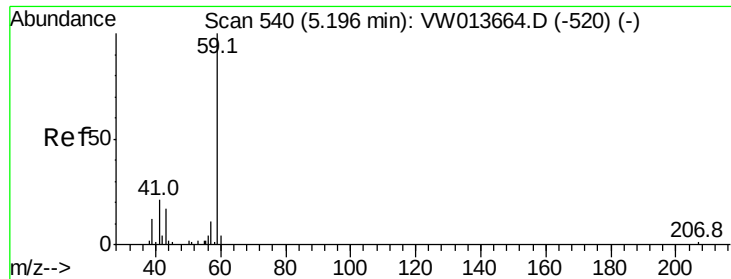


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



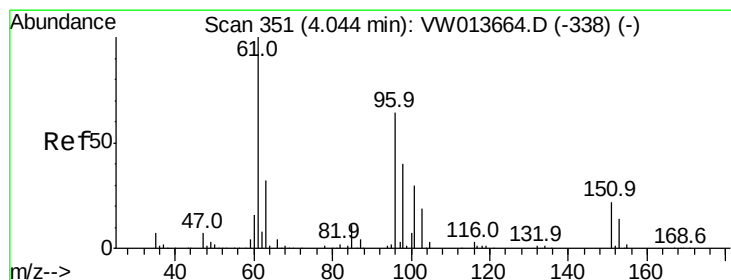
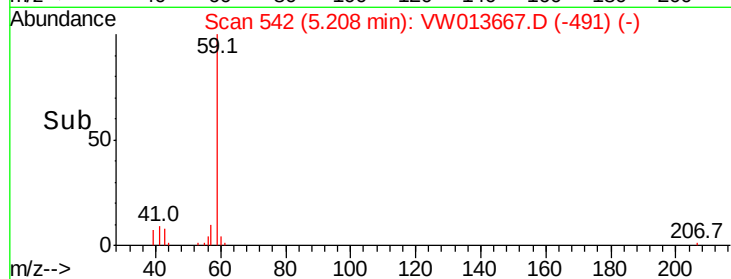
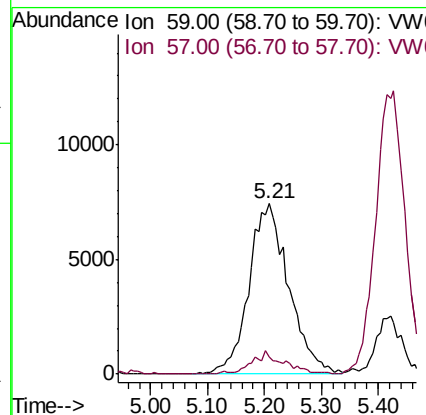
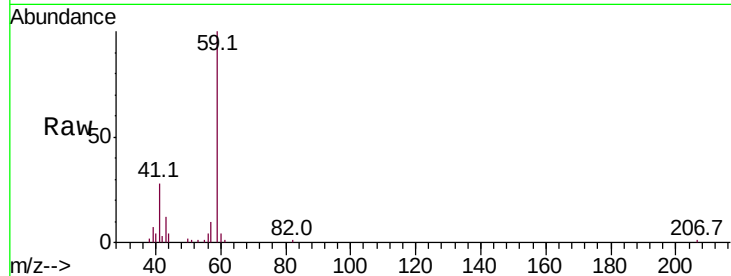


#11

Tert butyl alcohol
Concen: 225.480 ug/l
RT: 5.21 min Scan# 542
Delta R.T. 0.01 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :

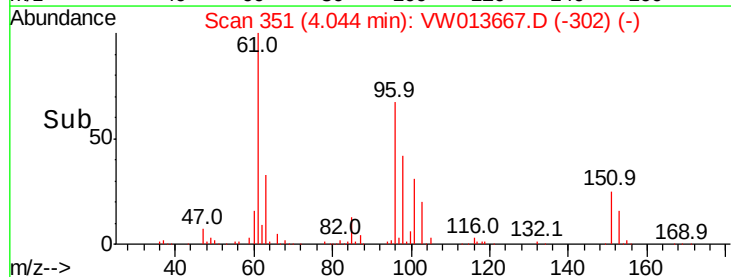
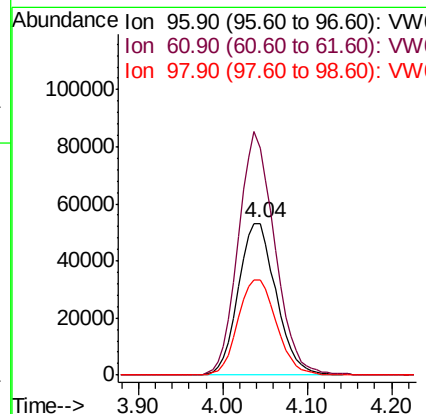
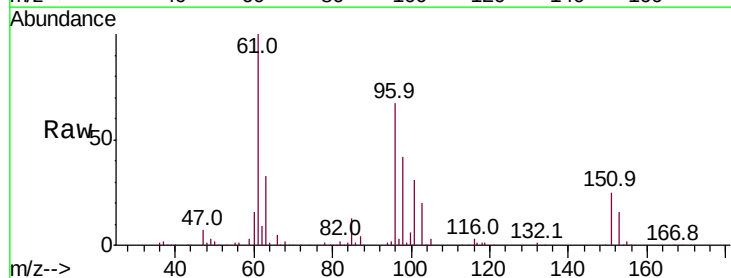
Tot Ion: 59 Resp: 36142
Ion Ratio Lower Upper
59 100
57 10.6 8.8 13.2

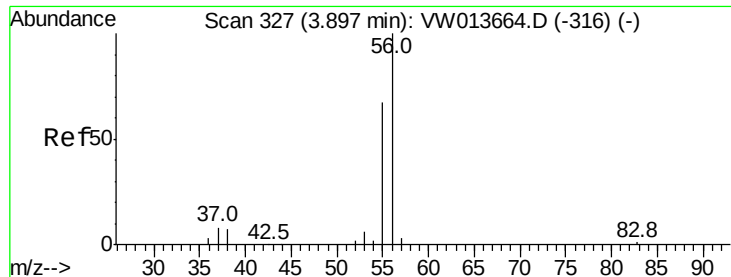


#12

1,1-Dichloroethene
Concen: 50.327 ug/l
RT: 4.04 min Scan# 351
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Tgt Ion: 96 Resp: 161551
Ion Ratio Lower Upper
96 100
61 150.0 125.0 187.6
98 62.7 50.3 75.5





#13

Acrolein

Concen: 250.178 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

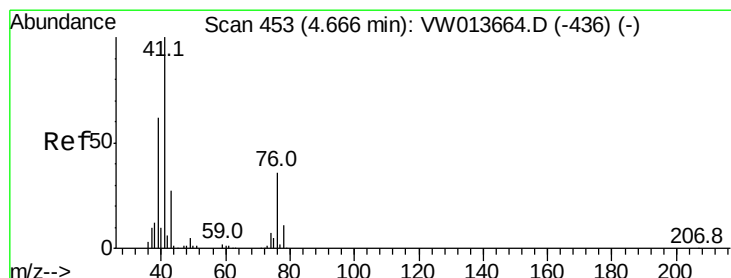
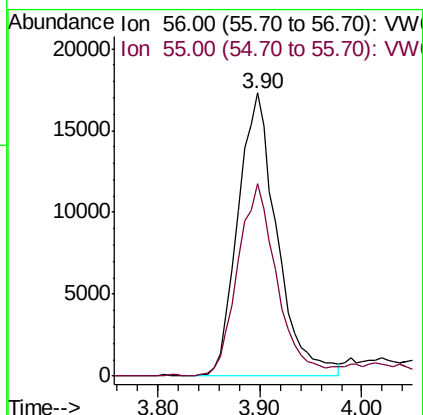
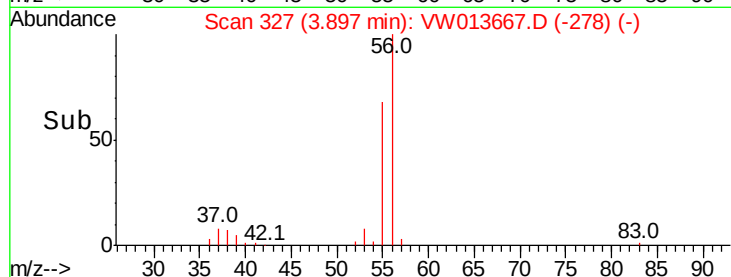
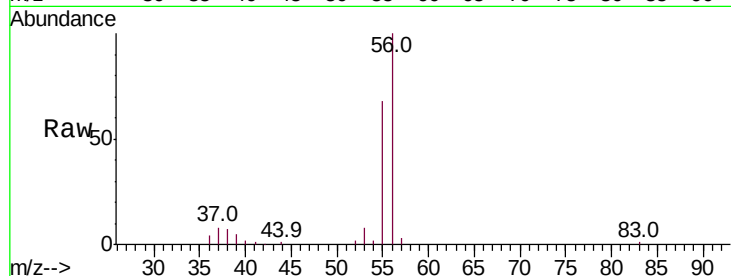
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 45942

Ion Ratio Lower Upper

56 100

55 68.0 56.1 84.1



#14

Allyl chloride

Concen: 50.300 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

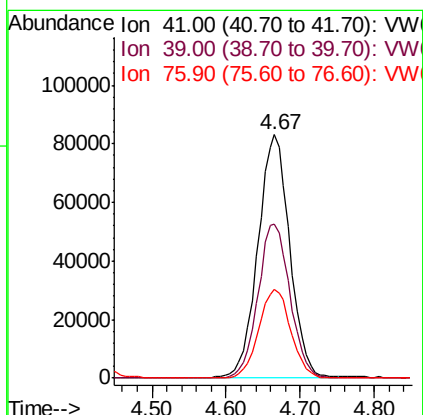
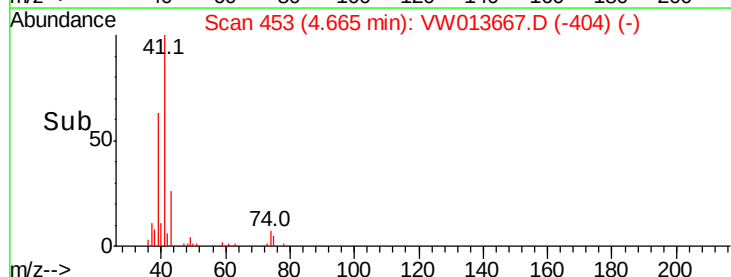
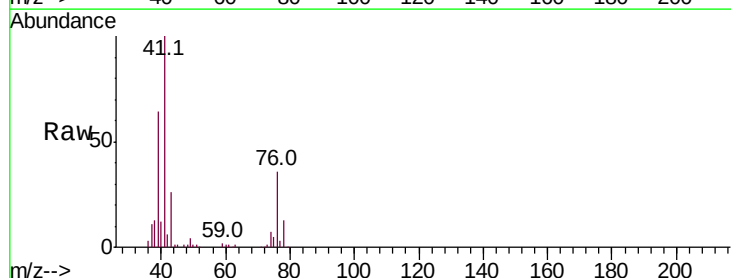
Tgt Ion: 41 Resp: 248276

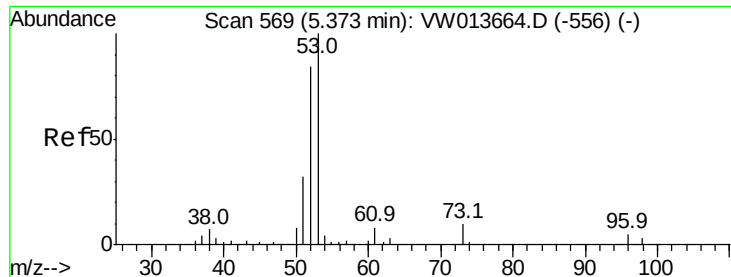
Ion Ratio Lower Upper

41 100

39 63.8 50.0 75.0

76 36.8 29.6 44.4





#15

Acrylonitrile

Concen: 237.798 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

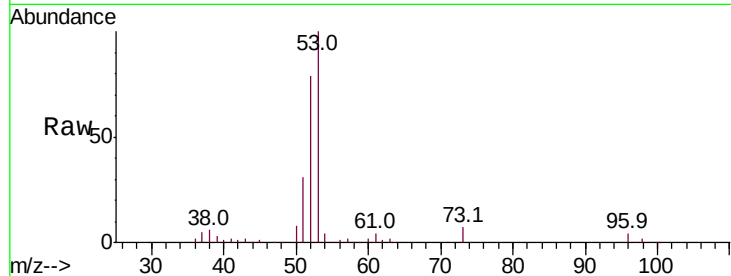
Tot Ion: 53 Resp: 149334

Ion Ratio Lower Upper

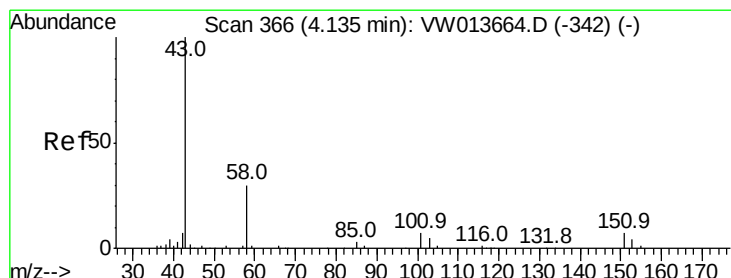
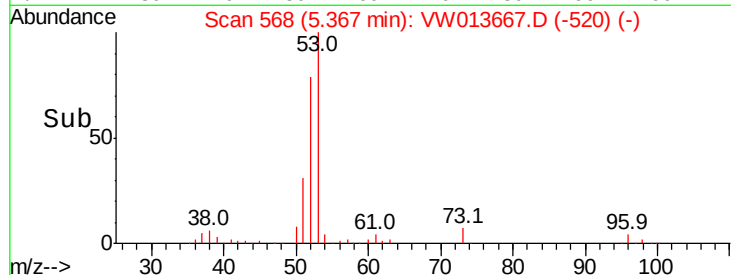
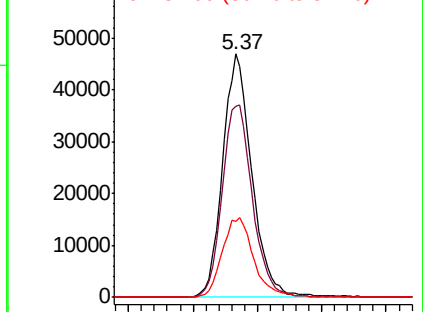
53 100

52 81.9 67.4 101.0

51 35.3 29.1 43.7



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: 261.216 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.00 min

Lab File: VW013667.D

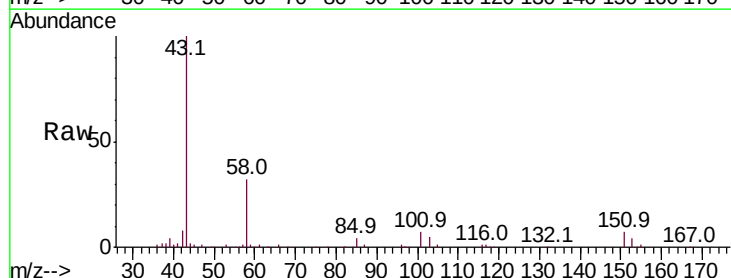
Acq: 23 Oct 2019 14:18

Tgt Ion: 43 Resp: 148712

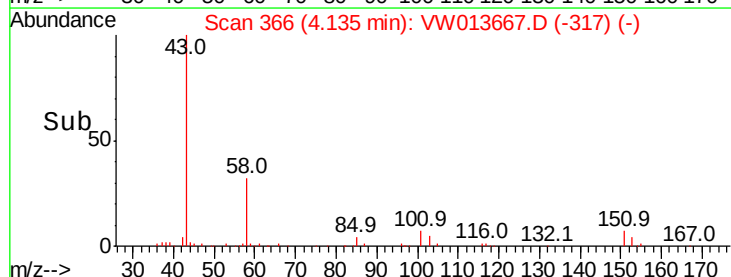
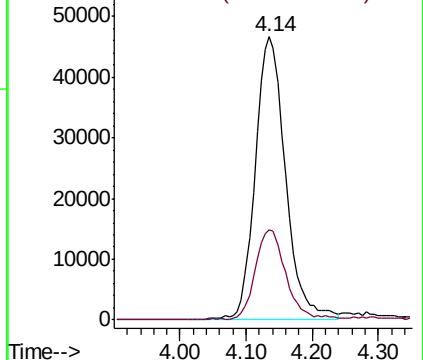
Ion Ratio Lower Upper

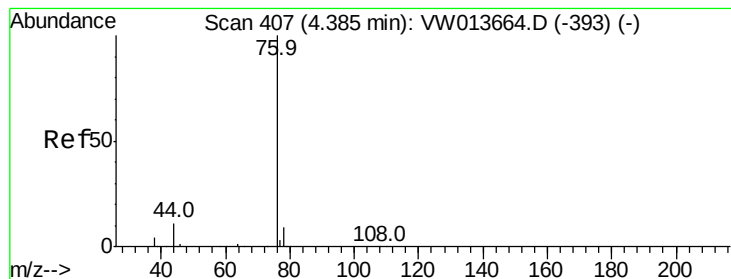
43 100

58 31.7 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: 50.806 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

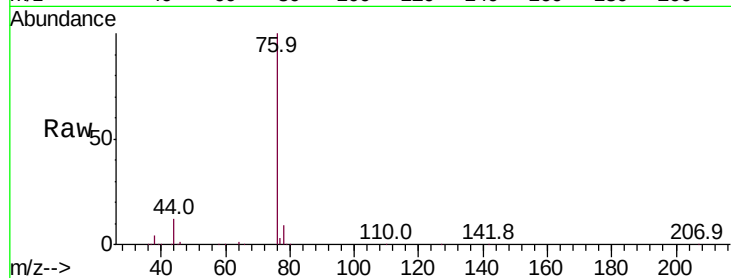
ClientSampleId :

Tot Ion: 76 Resp: 468370

Ion Ratio Lower Upper

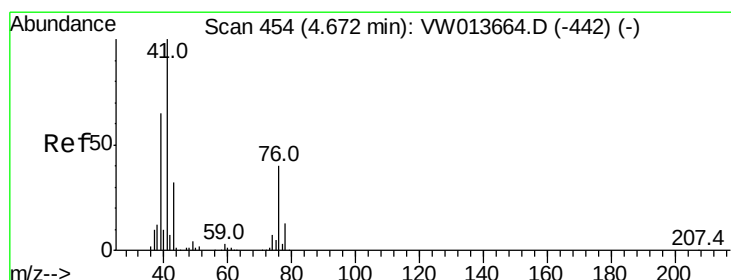
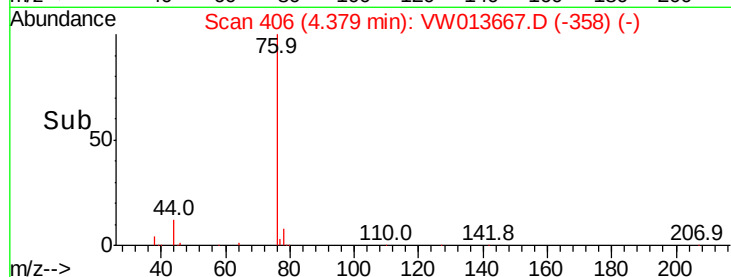
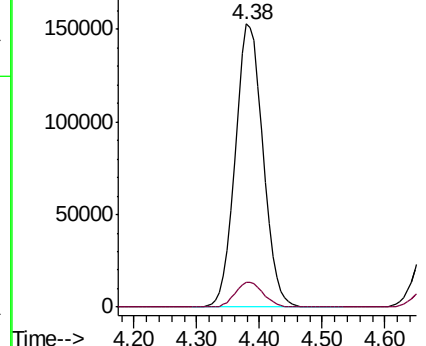
76 100

78 8.8 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 45.231 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW013667.D

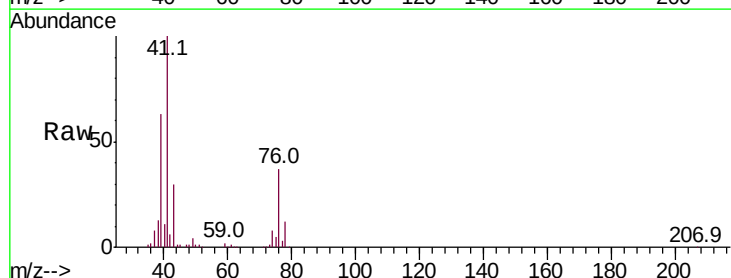
Acq: 23 Oct 2019 14:18

Tgt Ion: 43 Resp: 70588

Ion Ratio Lower Upper

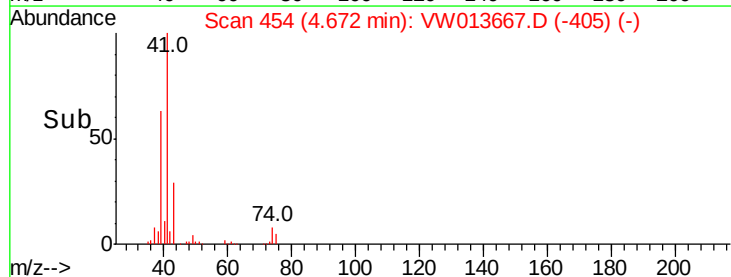
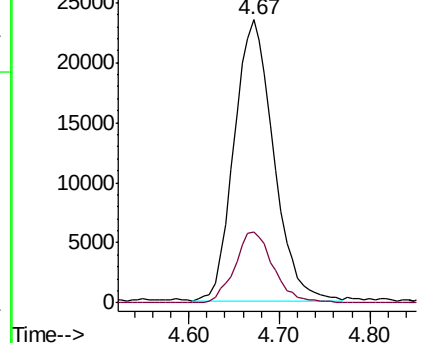
43 100

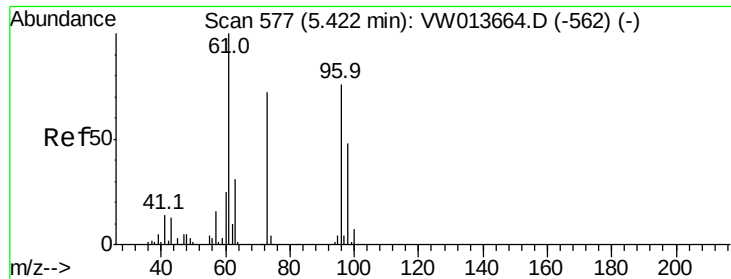
74 24.7 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

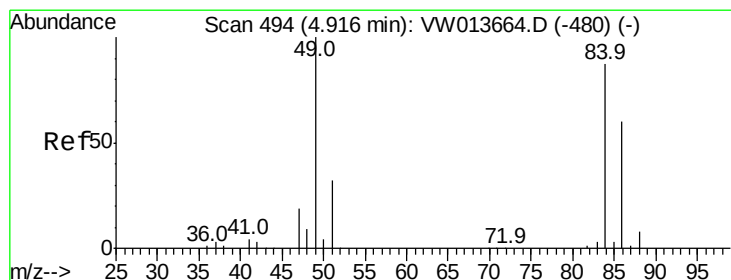
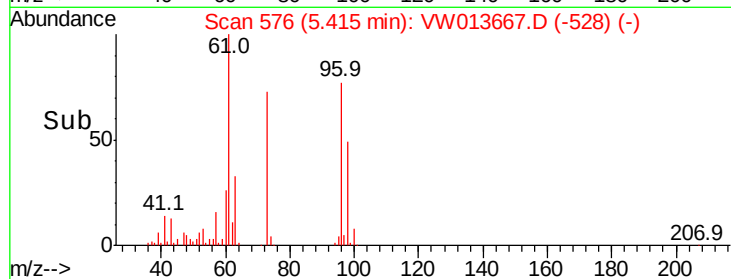
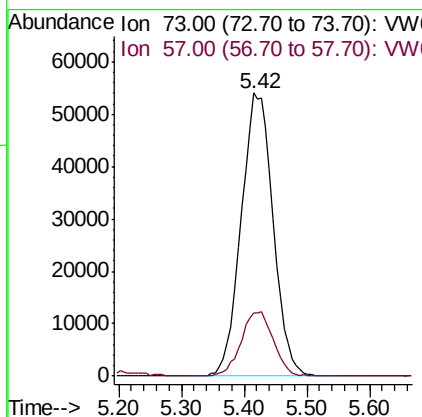
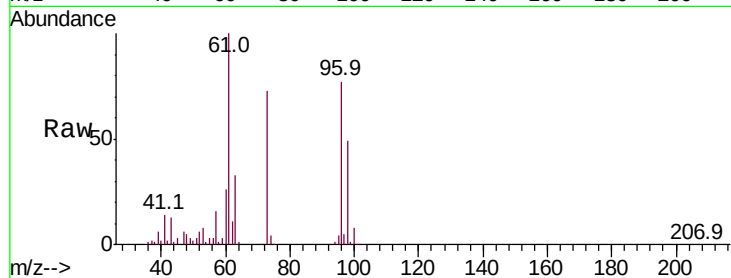




#19
Methyl tert-butyl Ether
Concen: 49.384 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

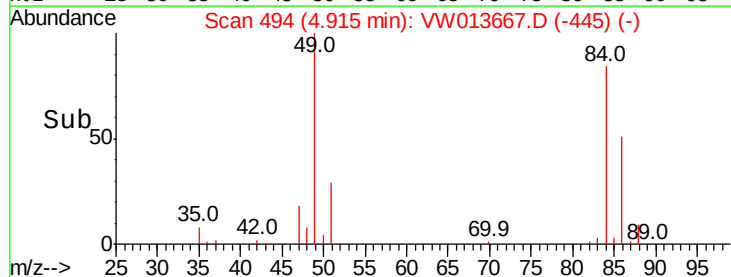
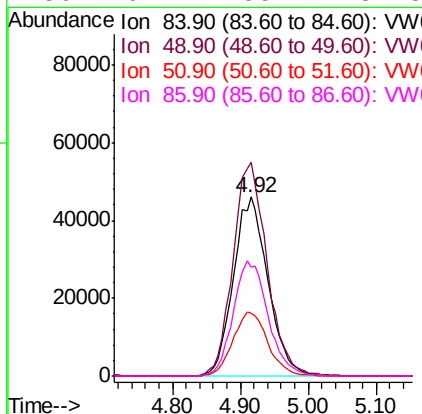
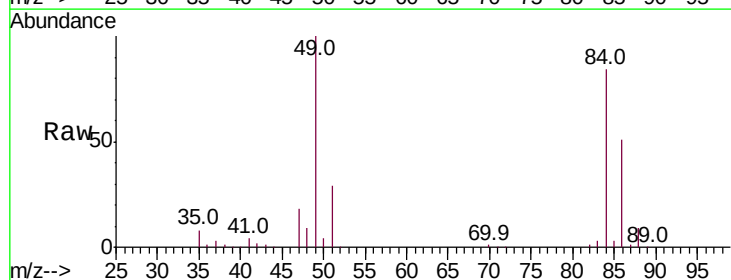
Instrument :
MSVOA_W
ClientSampleId :

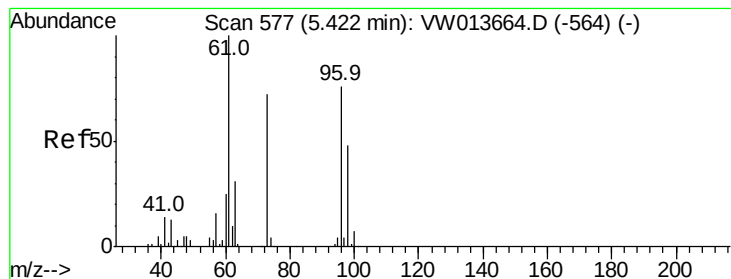
Tot Ion: 73 Resp: 190231
Ion Ratio Lower Upper
73 100
57 22.5 17.6 26.4



#20
Methylene Chloride
Concen: 52.037 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Tgt Ion: 84 Resp: 162390
Ion Ratio Lower Upper
84 100
49 119.6 91.8 137.6
51 34.9 29.8 44.6
86 61.2 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 50.799 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :
MSVOA_W
ClientSampled :

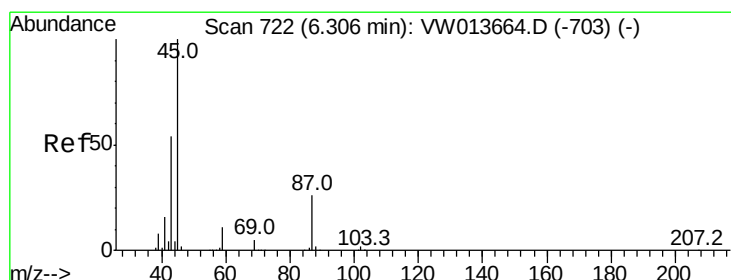
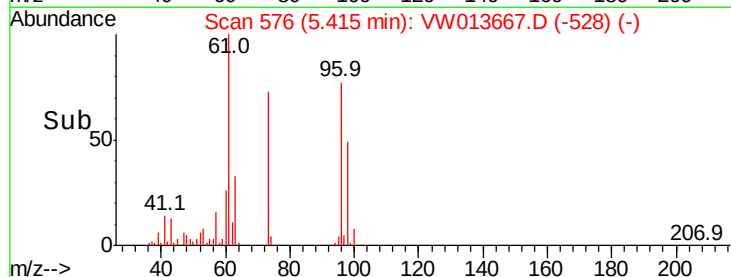
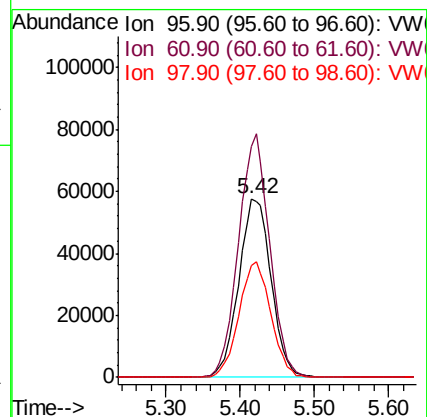
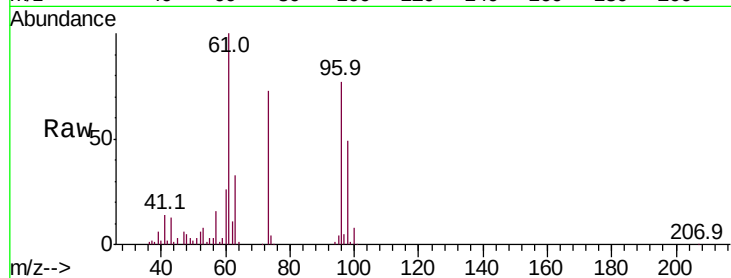
Tot Ion: 96 Resp: 175509

Ion Ratio Lower Upper

96 100

61 129.3 104.8 157.2

98 62.7 50.6 76.0



#22

Diisopropyl ether

Concen: 50.048 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Tgt Ion: 45 Resp: 450617

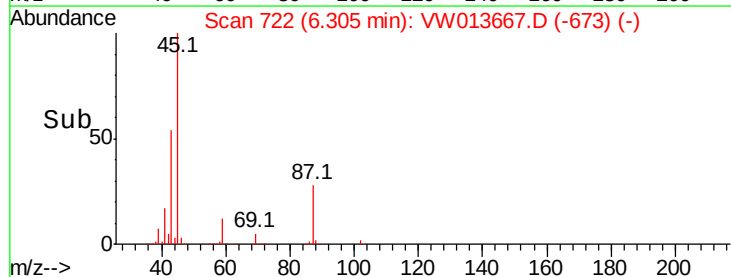
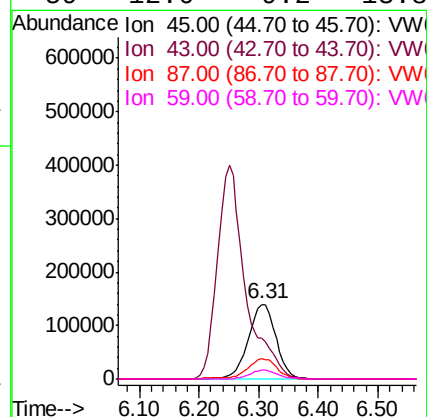
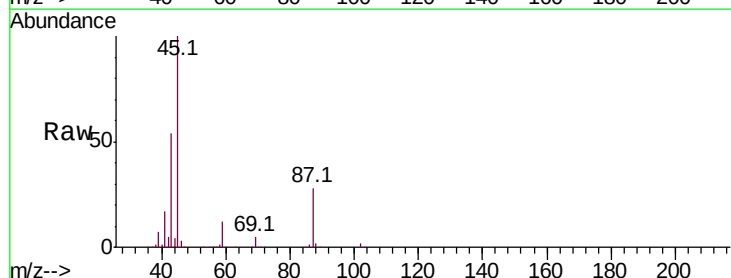
Ion Ratio Lower Upper

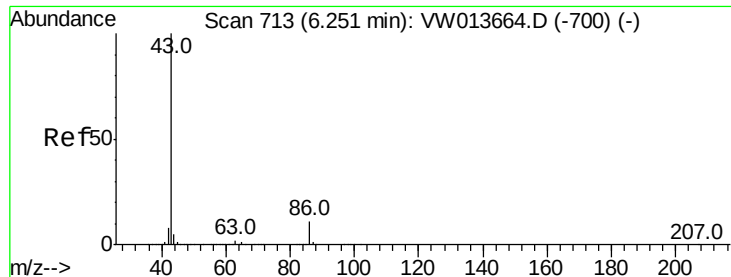
45 100

43 53.6 43.4 65.2

87 28.1 21.5 32.3

59 12.0 9.2 13.8





#23

Vinyl Acetate

Concen: 250.033 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

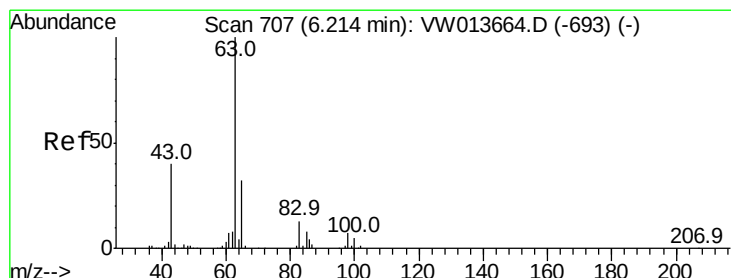
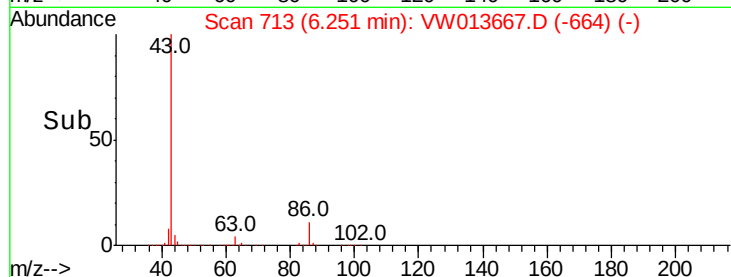
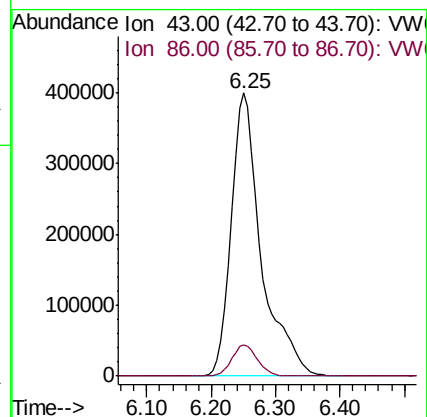
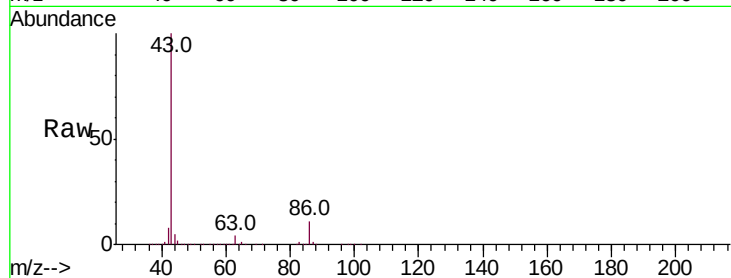
ClientSampleId :

Tot Ion: 43 Resp: 1306244

Ion Ratio Lower Upper

43 100

86 11.2 9.0 13.6



#24

1,1-Dichloroethane

Concen: 49.636 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

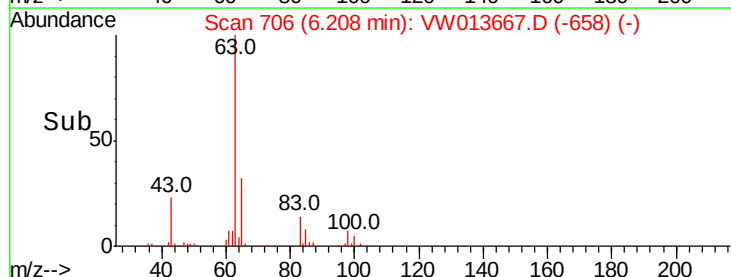
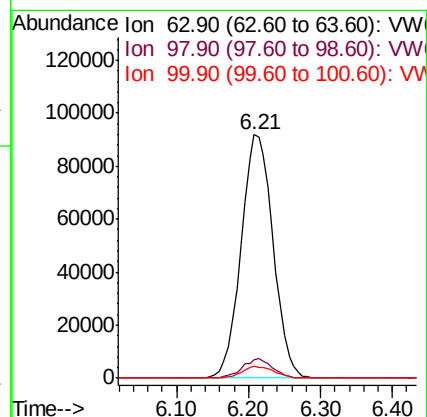
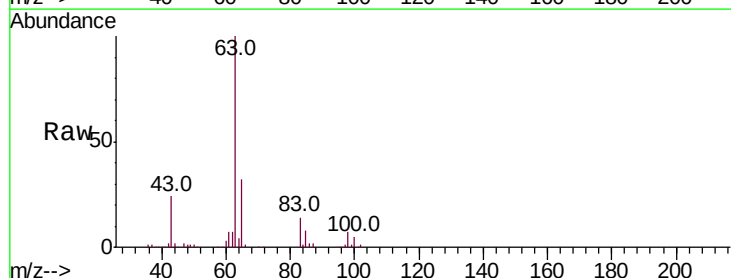
Tgt Ion: 63 Resp: 283037

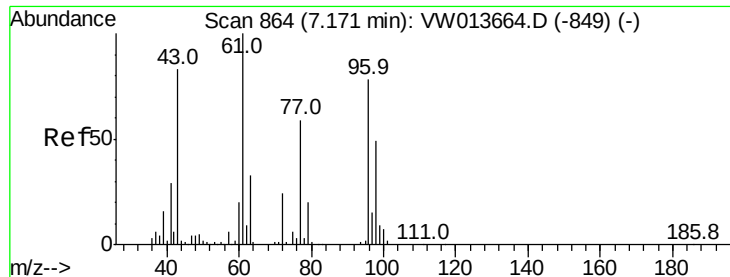
Ion Ratio Lower Upper

63 100

98 7.4 3.6 10.9

100 4.9 2.5 7.4





#25

2-Butanone

Concen: 232.432 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

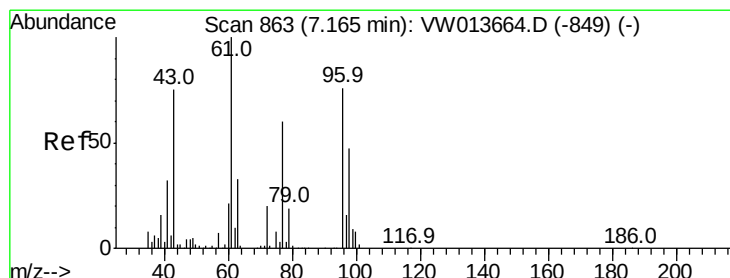
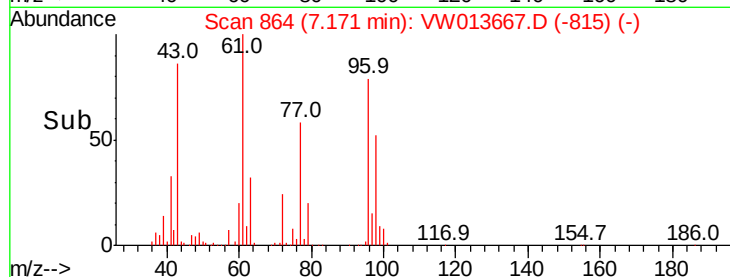
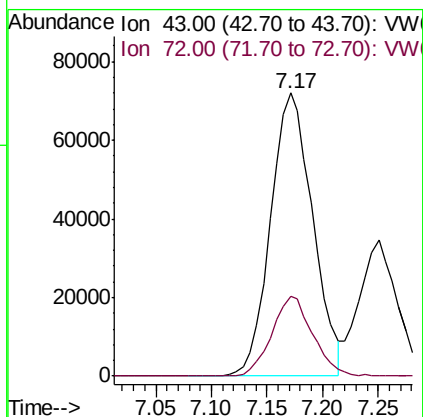
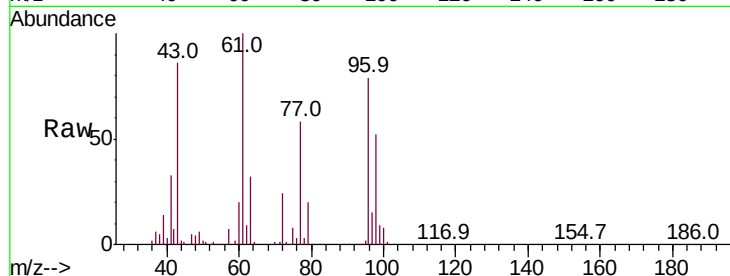
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 190242

Ion Ratio Lower Upper

43 100

72 28.1 23.6 35.4



#26

2,2-Dichloropropane

Concen: 48.635 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013667.D

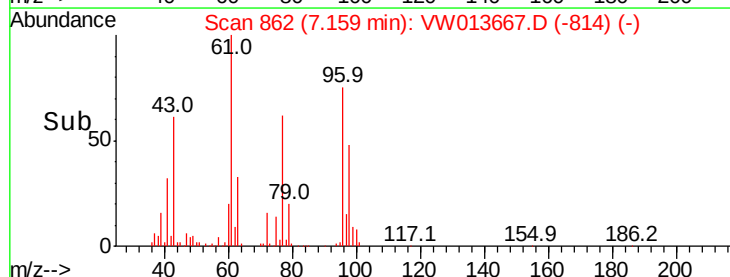
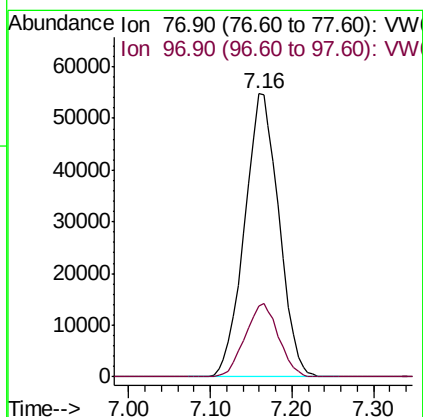
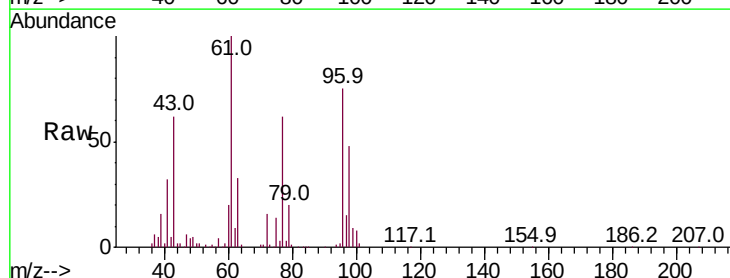
Acq: 23 Oct 2019 14:18

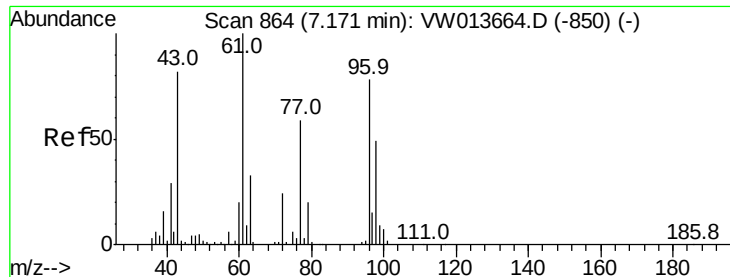
Tgt Ion: 77 Resp: 160364

Ion Ratio Lower Upper

77 100

97 25.3 12.8 38.4



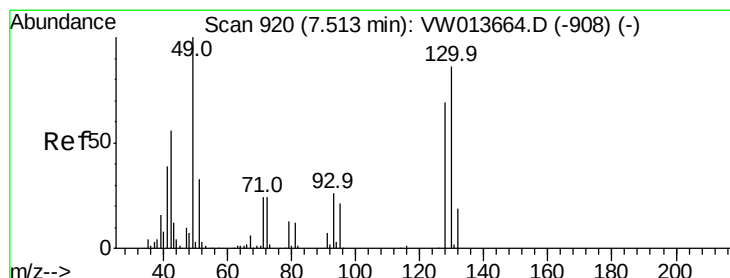
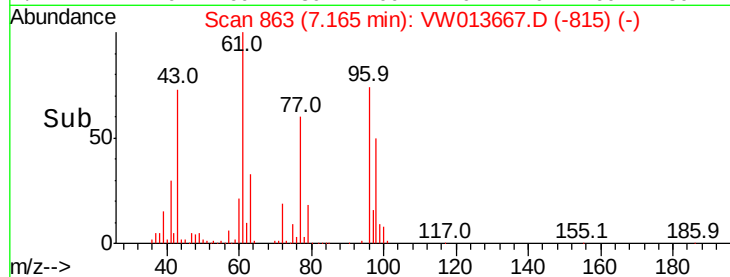
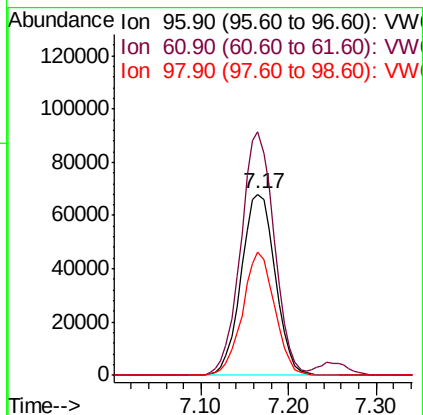
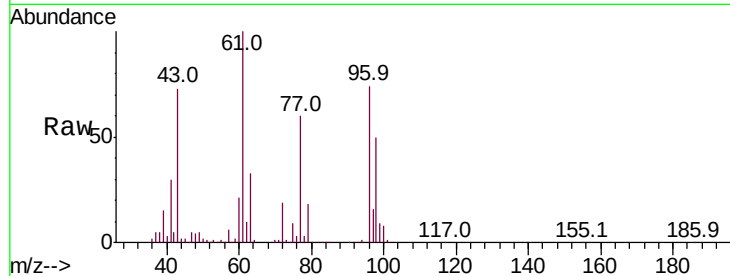


#27

cis-1,2-Dichloroethene
Concen: 50.111 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :

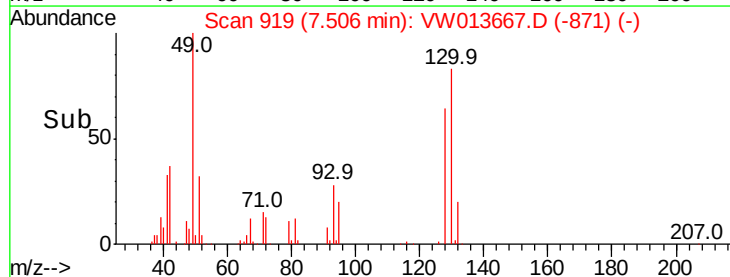
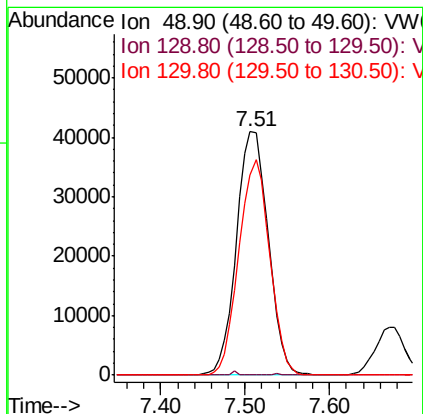
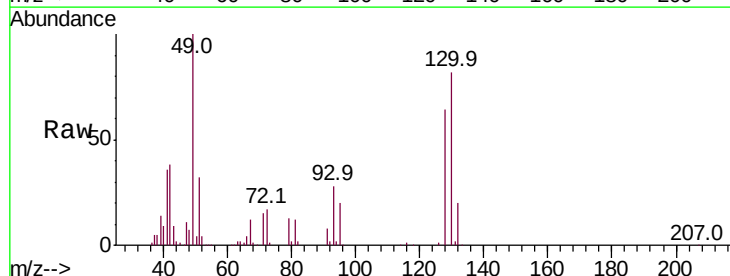
Tot Ion: 96 Resp: 183890
Ion Ratio Lower Upper
96 100
61 132.2 0.0 266.0
98 64.1 0.0 126.8

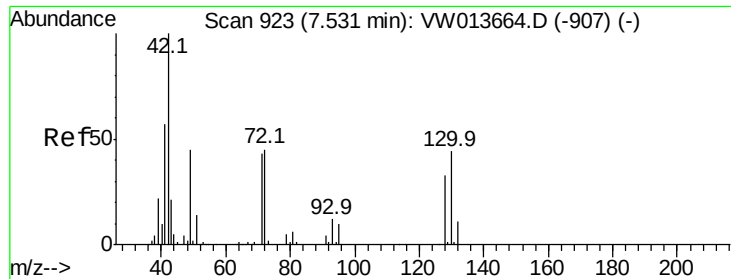


#28

Bromochloromethane
Concen: 51.509 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Tgt Ion: 49 Resp: 104730
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.6
130 85.7 67.5 101.3

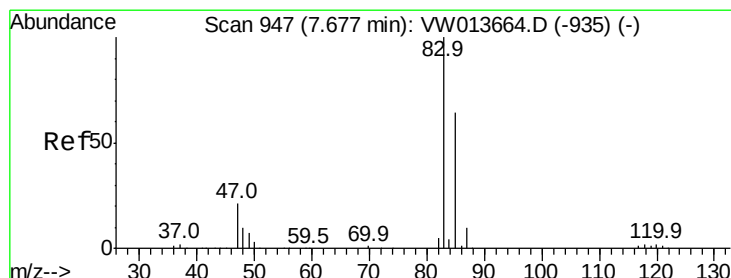
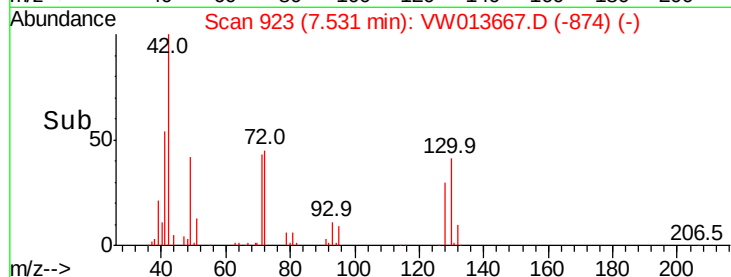
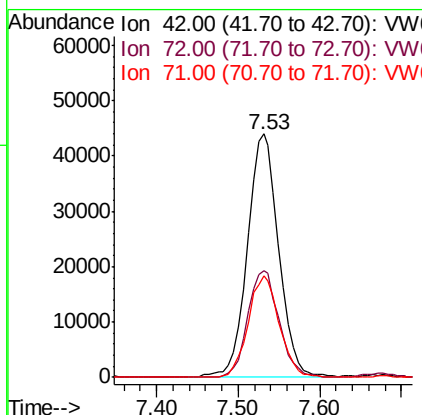
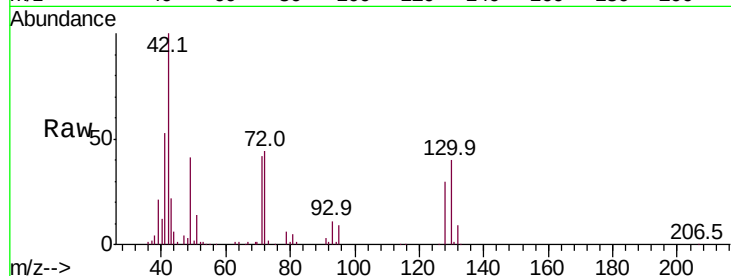




#29
Tetrahydrofuran
Concen: 232.591 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

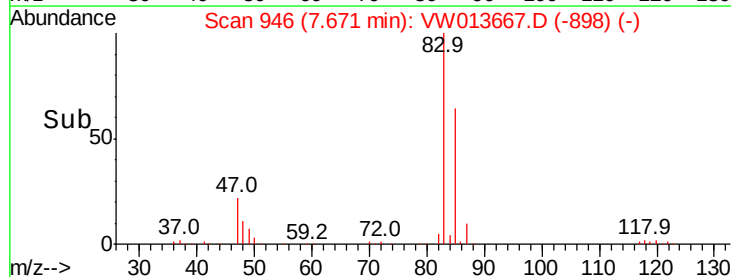
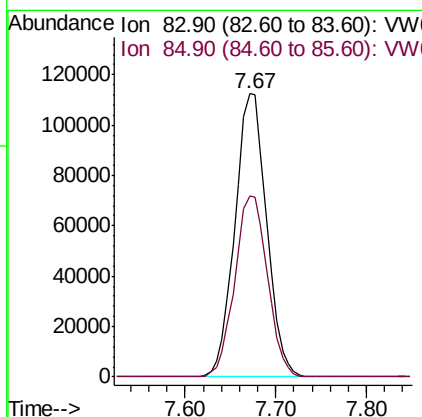
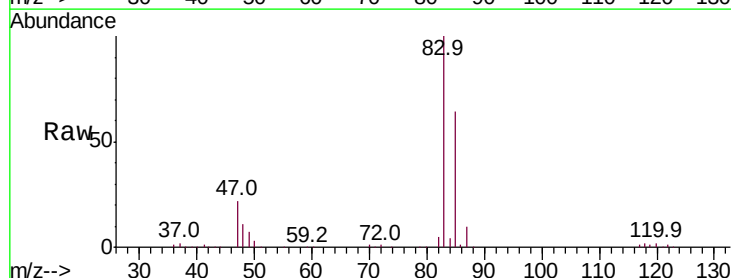
Instrument :
MSVOA_W
ClientSampled :

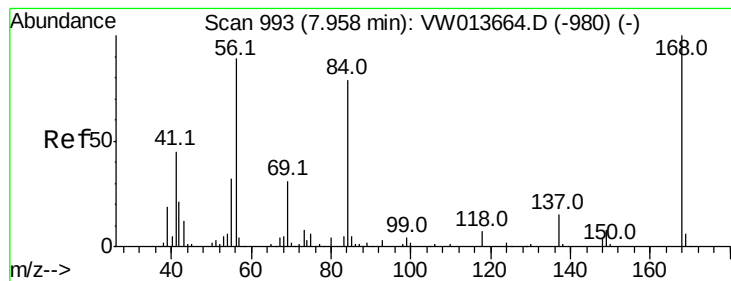
Tot Ion: 42 Resp: 117860
Ion Ratio Lower Upper
42 100
72 44.0 35.3 52.9
71 41.2 33.3 49.9



#30
Chloroform
Concen: 48.407 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Tgt Ion: 83 Resp: 272864
Ion Ratio Lower Upper
83 100
85 63.8 51.4 77.2





#31

Cyclohexane

Concen: 47.947 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :
MSVOA_W
ClientSampled :

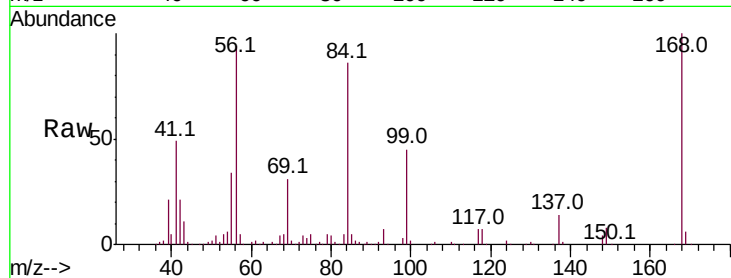
Tot Ion: 56 Resp: 286123

Ion Ratio Lower Upper

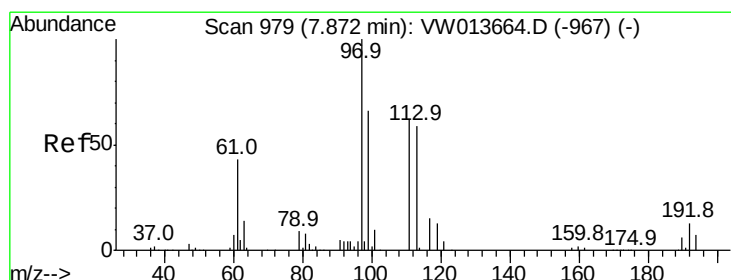
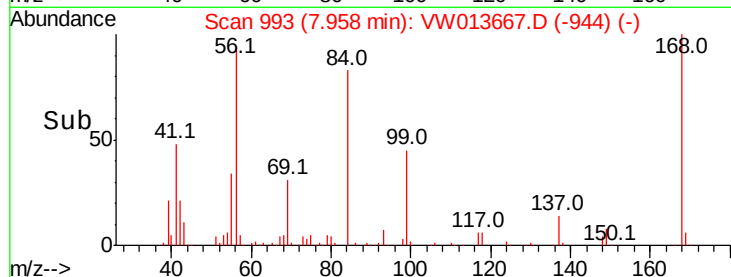
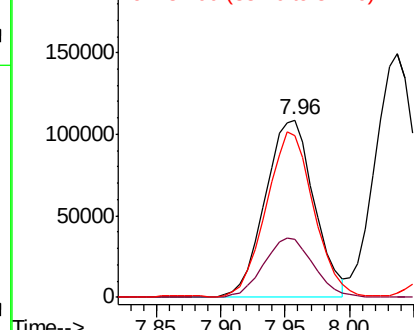
56 100

69 33.1 27.5 41.3

84 90.4 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: 49.774 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

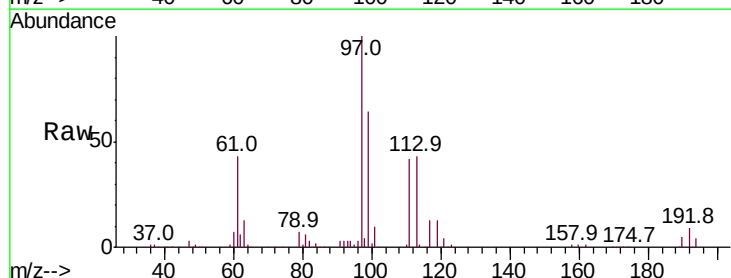
Tgt Ion: 97 Resp: 220176

Ion Ratio Lower Upper

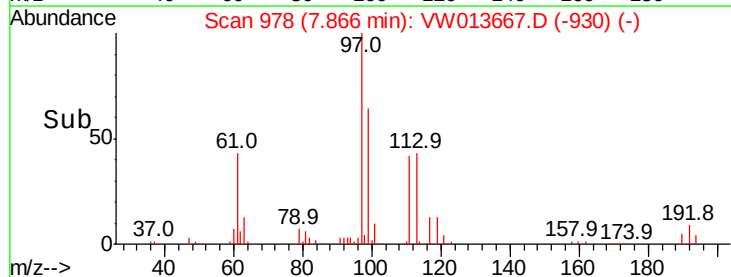
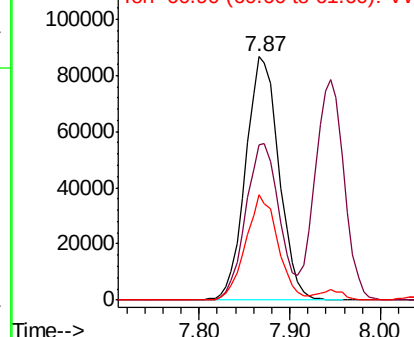
97 100

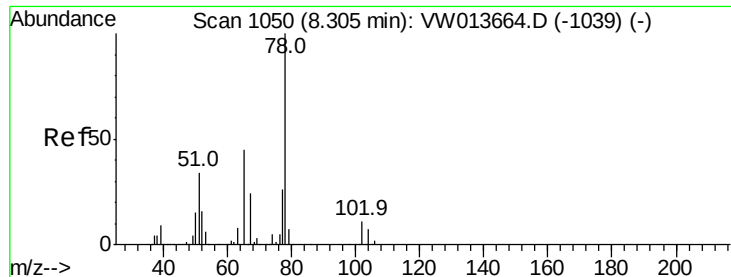
99 65.3 52.0 78.0

61 42.1 33.8 50.6



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

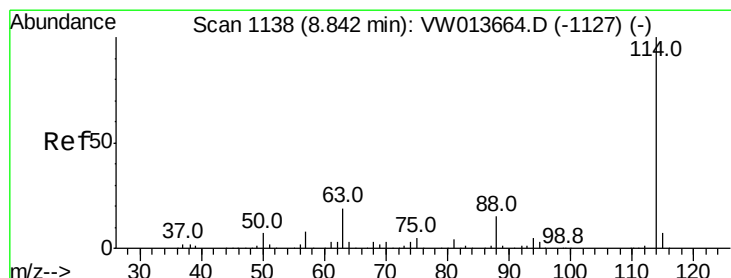
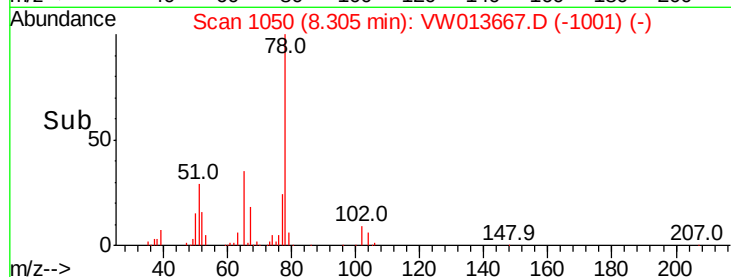
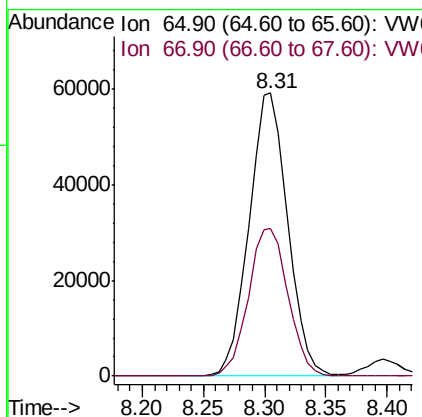
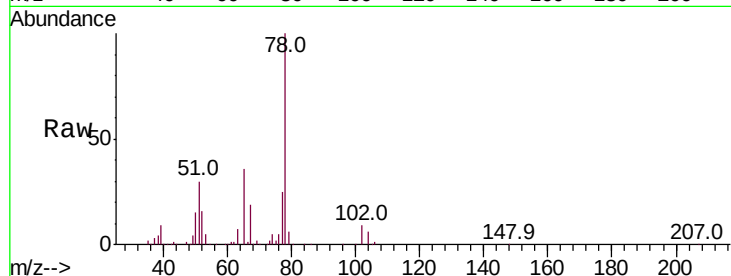




#33
 1,2-Dichloroethane-d4
 Concen: 48.508 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013667.D
 Acq: 23 Oct 2019 14:18

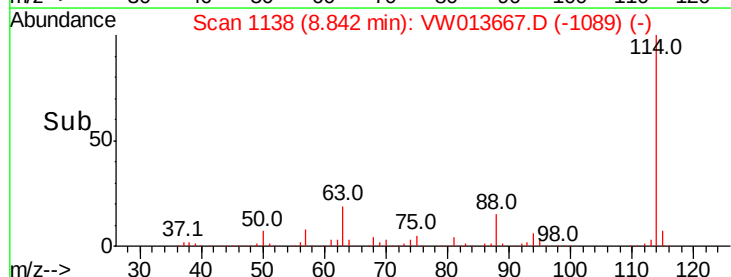
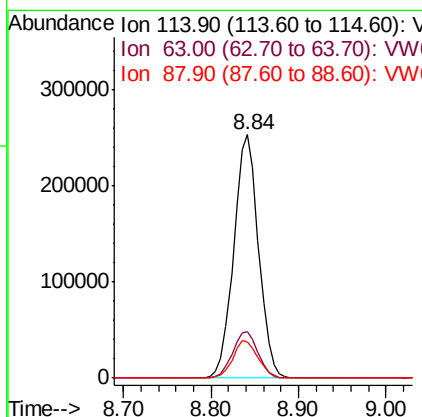
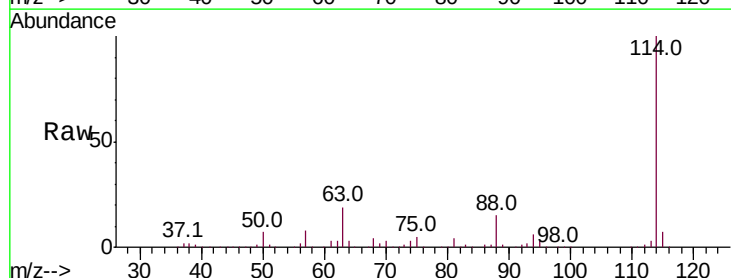
Instrument :
 MSVOA_W
 ClientSampleId :

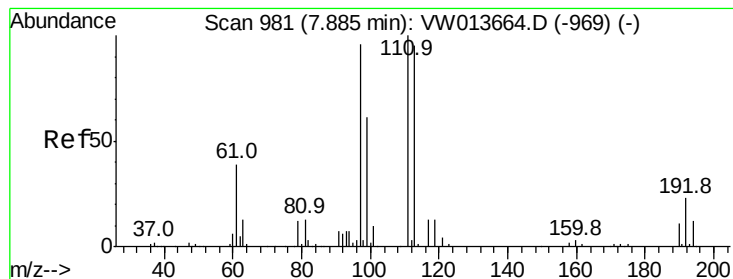
Tot Ion: 65 Resp: 130245
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013667.D
 Acq: 23 Oct 2019 14:18

Tgt Ion: 114 Resp: 497392
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 37.6
 88 14.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 51.277 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

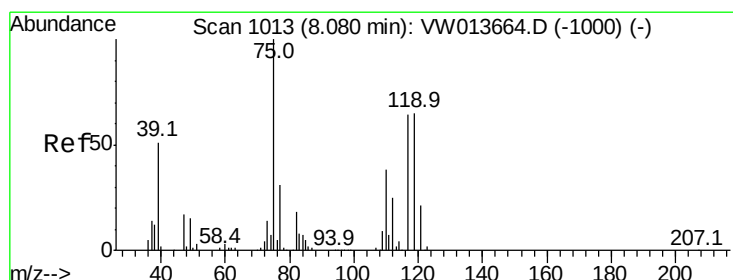
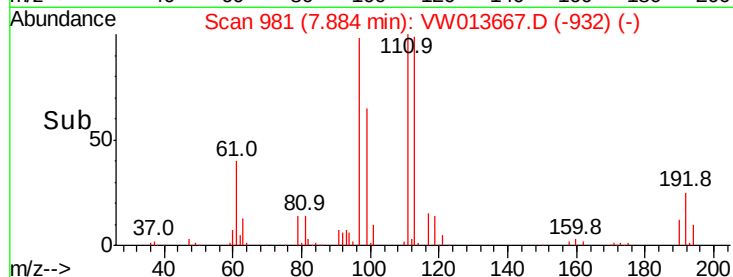
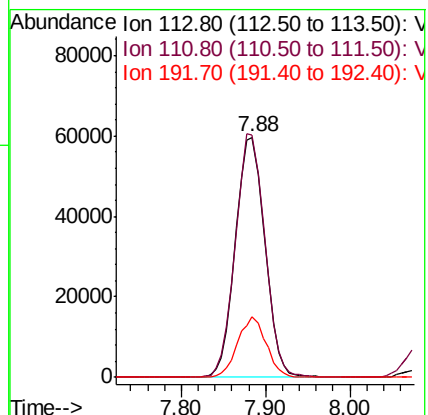
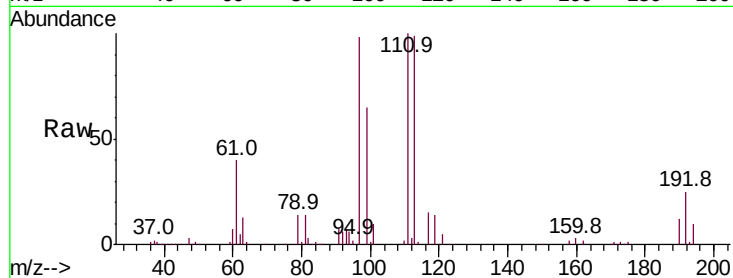
Tot Ion:113 Resp: 141718

Ion Ratio Lower Upper

113 100

111 101.3 83.0 124.6

192 24.1 19.4 29.2



#36

1,1-Dichloropropene

Concen: 51.632 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

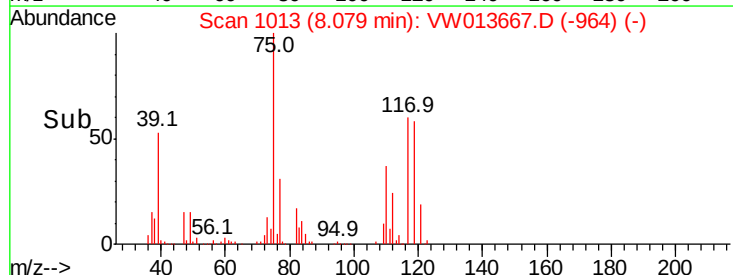
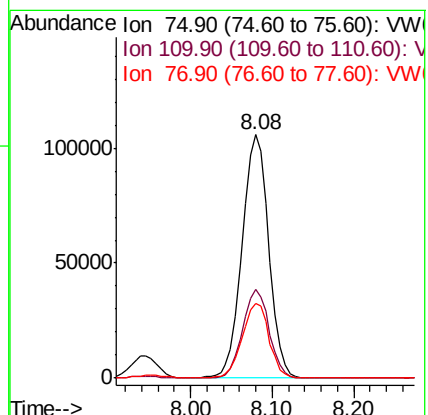
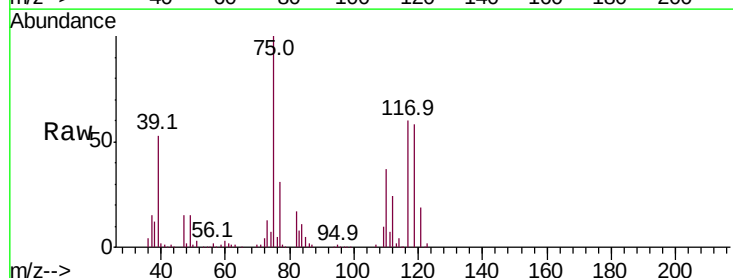
Tgt Ion: 75 Resp: 239174

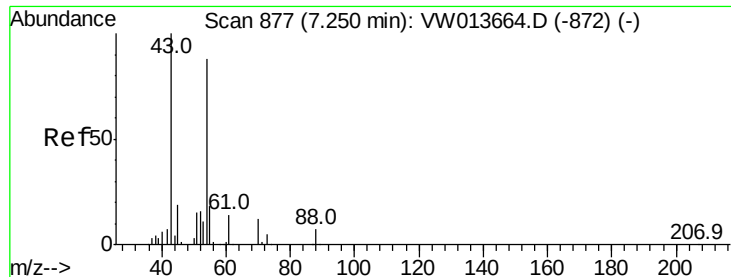
Ion Ratio Lower Upper

75 100

110 36.1 18.7 56.1

77 31.0 25.4 38.0

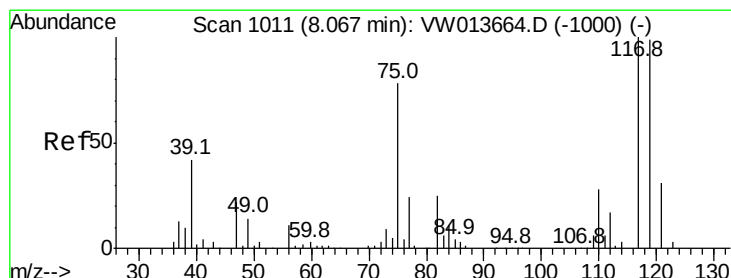
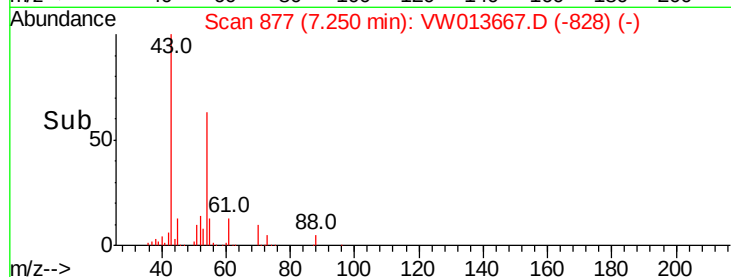
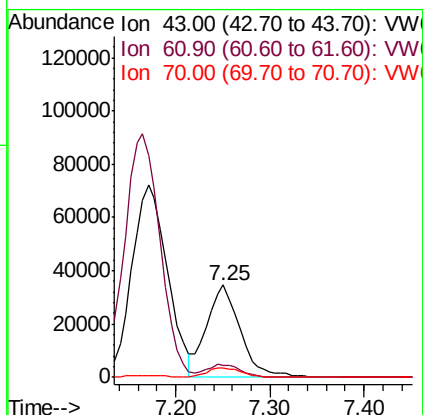
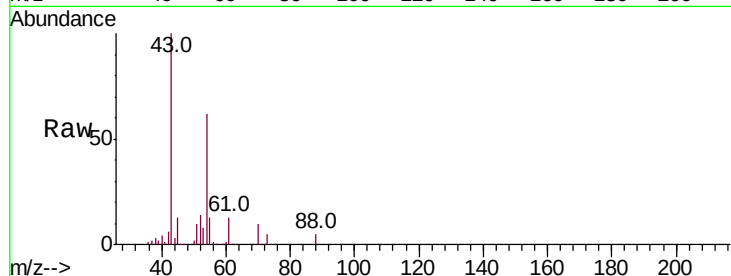




#37
Ethyl Acetate
Concen: 48.288 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

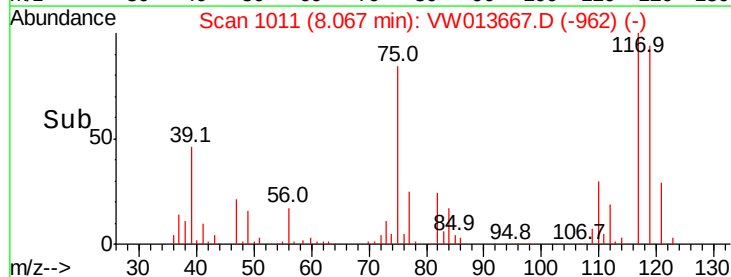
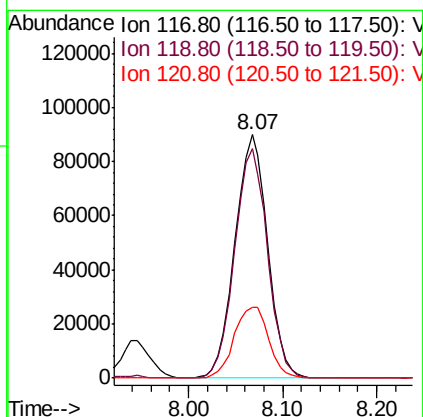
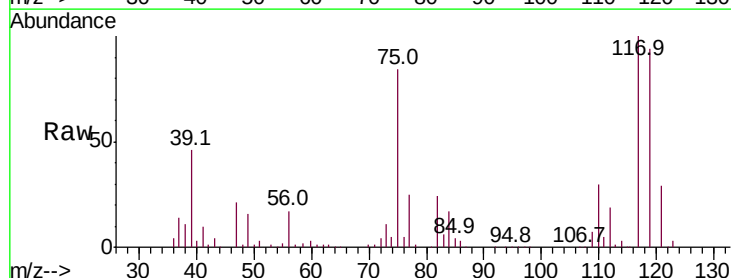
Instrument :
MSVOA_W
ClientSampled :

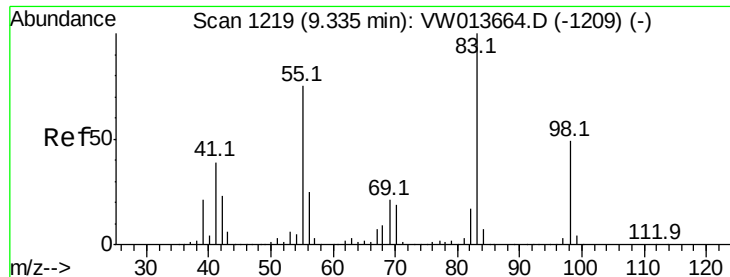
Tot Ion: 43 Resp: 85626
Ion Ratio Lower Upper
43 100
61 14.1 11.7 17.5
70 10.9 8.8 13.2



#38
Carbon Tetrachloride
Concen: 52.060 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Tgt Ion: 117 Resp: 217162
Ion Ratio Lower Upper
117 100
119 94.2 79.0 118.4
121 28.9 24.5 36.7





#39

Methylvlcyclohexane

Concen: 53.000 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

ClientSampled :

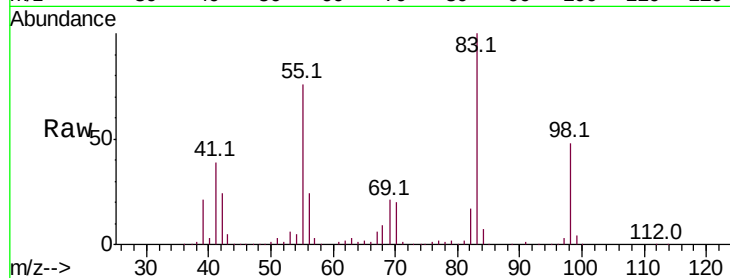
Tot Ion: 83 Resp: 317053

Ion Ratio Lower Upper

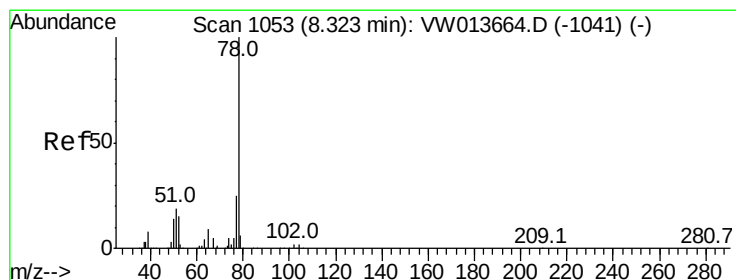
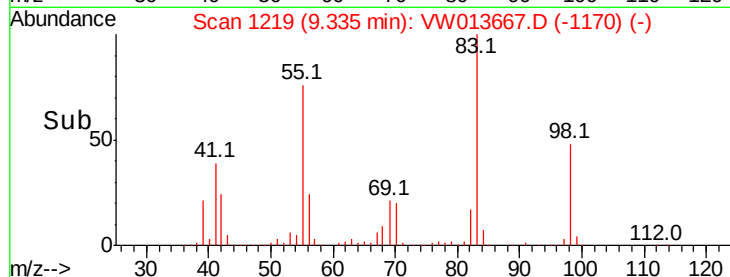
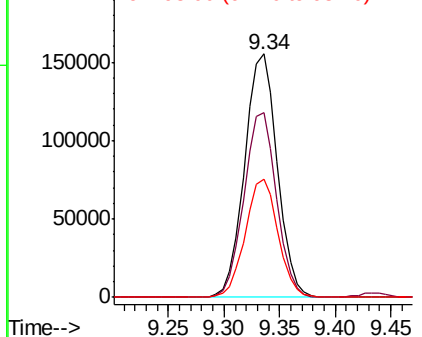
83 100

55 75.8 59.9 89.9

98 48.4 39.4 59.2



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: 50.479 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW013667.D

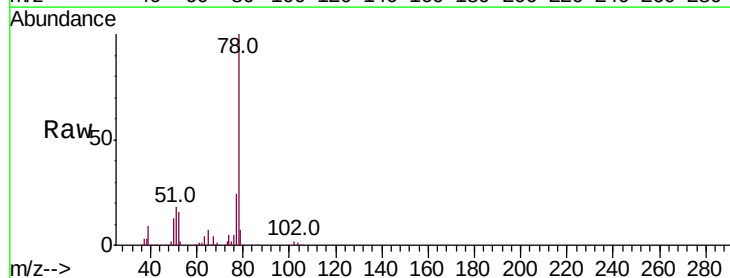
Acq: 23 Oct 2019 14:18

Tgt Ion: 78 Resp: 661740

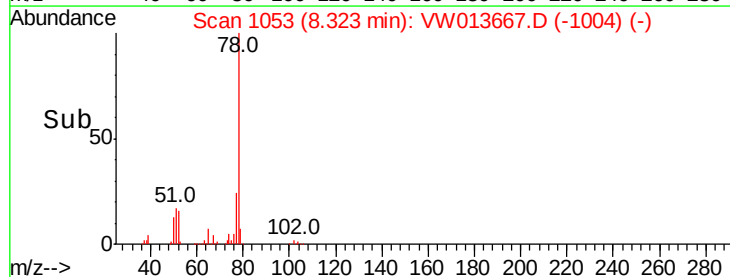
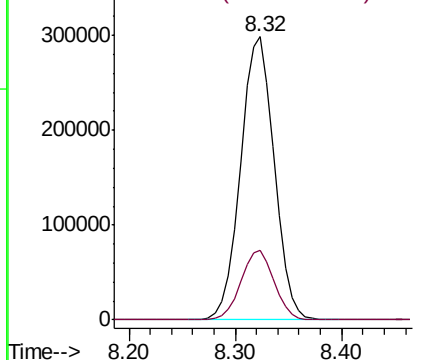
Ion Ratio Lower Upper

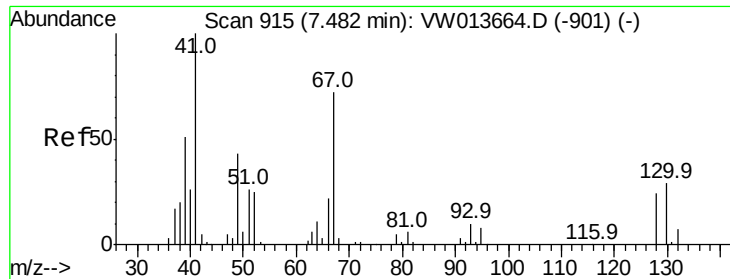
78 100

77 24.5 19.6 29.4



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

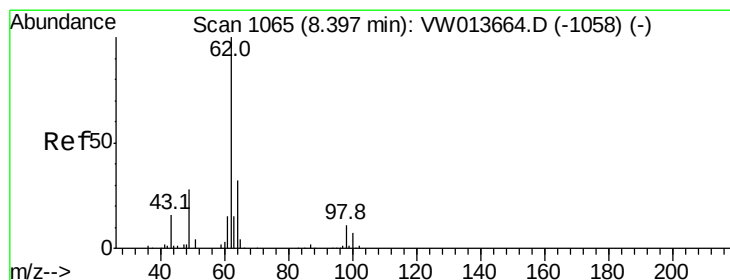
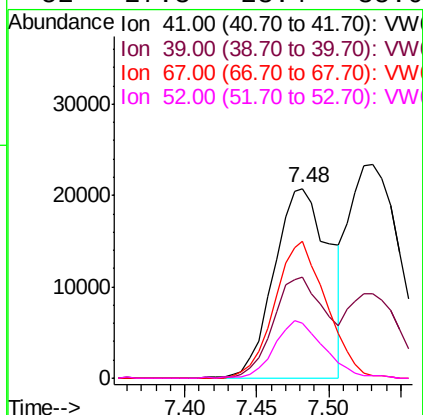
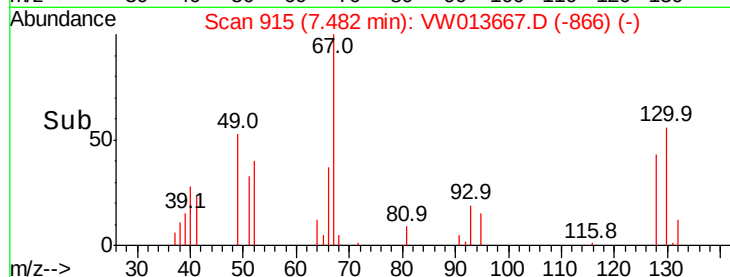
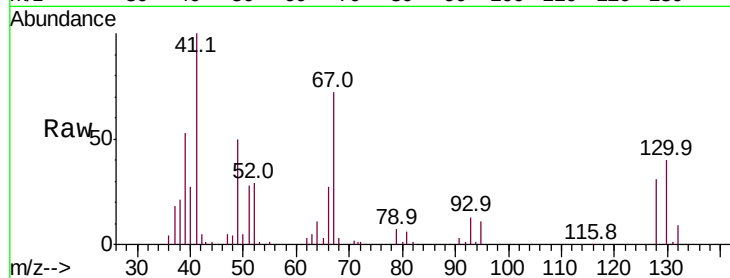




#41
Methacrylonitrile
Concen: 50.296 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

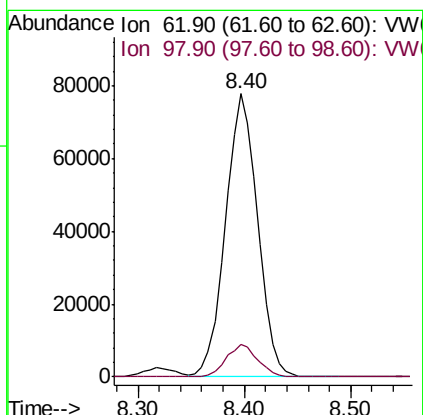
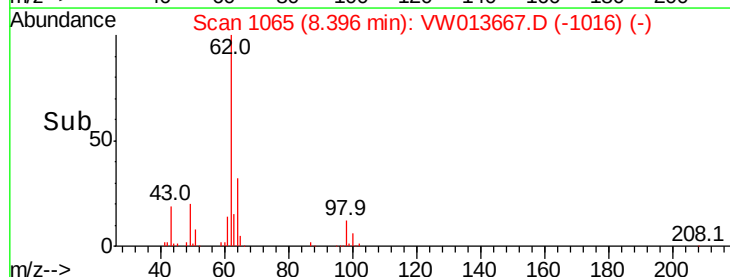
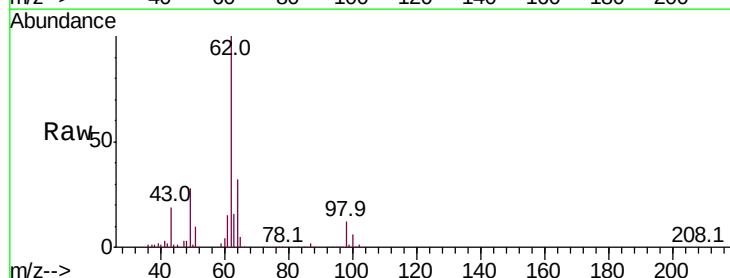
Instrument :
MSVOA_W
ClientSampleId :

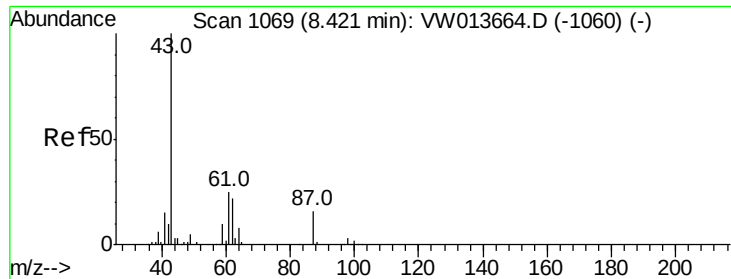
Tot Ion	Ratio	Lower	Upper
41	100		
39	51.1	44.8	67.2
67	67.4	59.3	88.9
52	27.3	23.4	35.0



#42
1,2-Dichloroethane
Concen: 49.731 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.3	0.0	22.4





#43

Isopropyl Acetate

Concen: 48.655 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

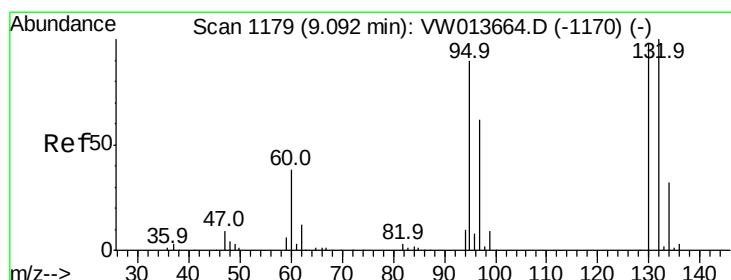
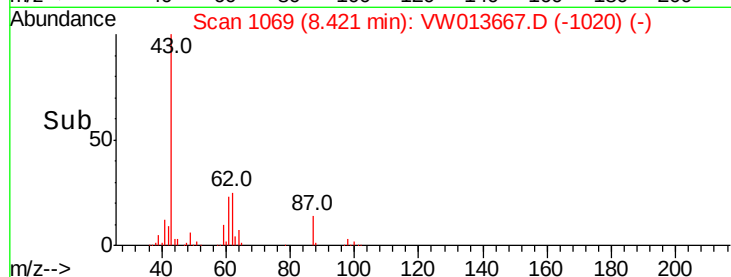
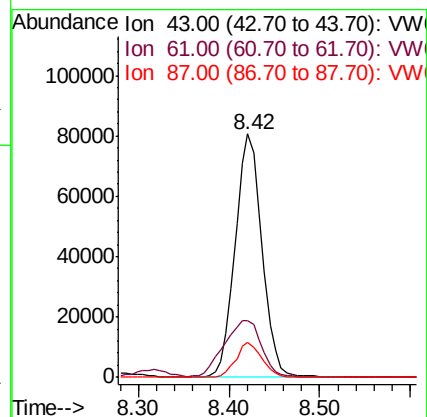
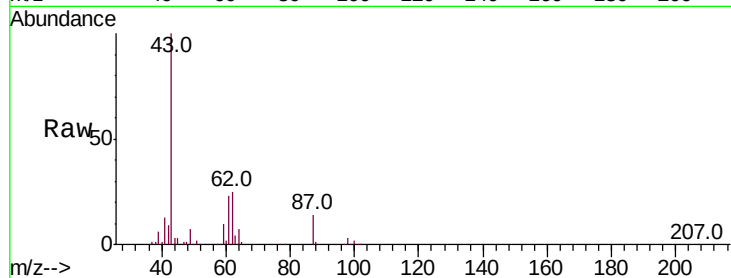
Tot Ion: 43 Resp: 165144

Ion Ratio Lower Upper

43 100

61 32.8 26.1 39.1

87 13.7 11.4 17.0



#44

Trichloroethene

Concen: 50.780 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013667.D

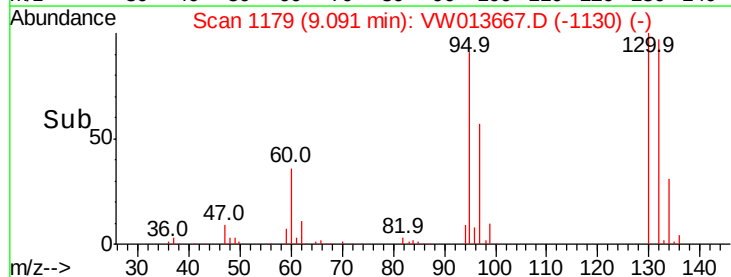
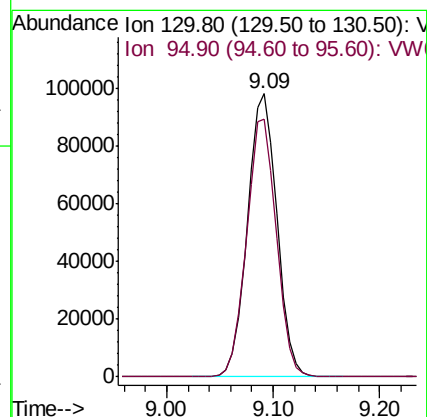
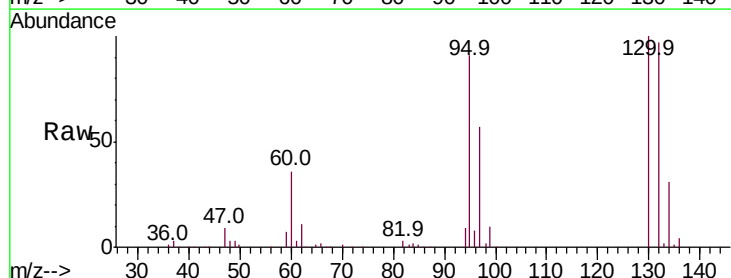
Acq: 23 Oct 2019 14:18

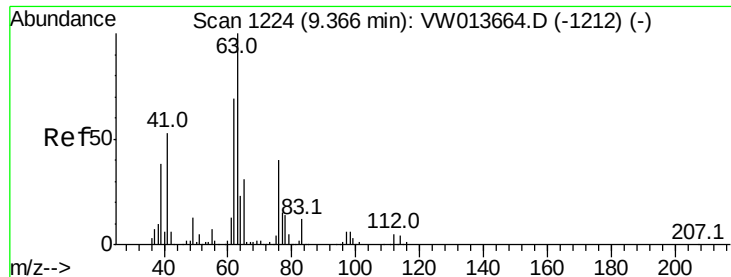
Tgt Ion:130 Resp: 190688

Ion Ratio Lower Upper

130 100

95 90.9 0.0 184.6





#45

1,2-Dichloropropane

Concen: 50.675 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

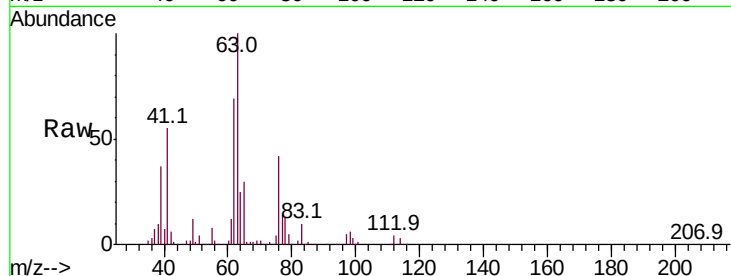
ClientSampled :

Tot Ion: 63 Resp: 158676

Ion Ratio Lower Upper

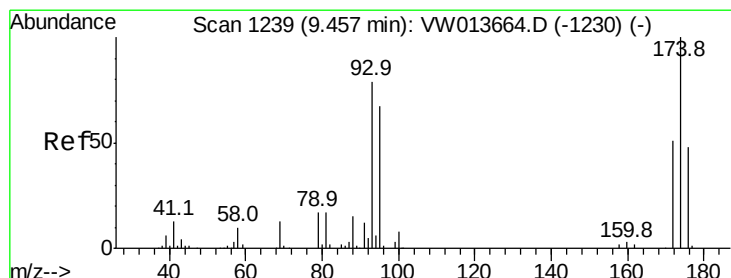
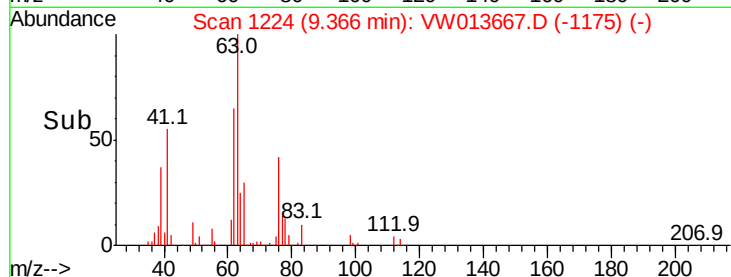
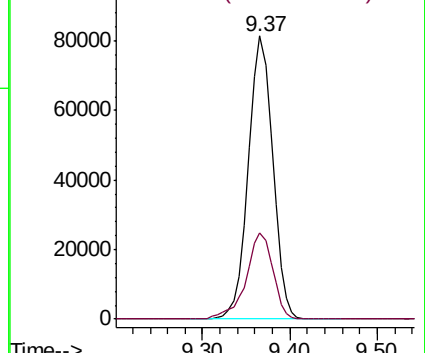
63 100

65 30.3 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 49.537 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

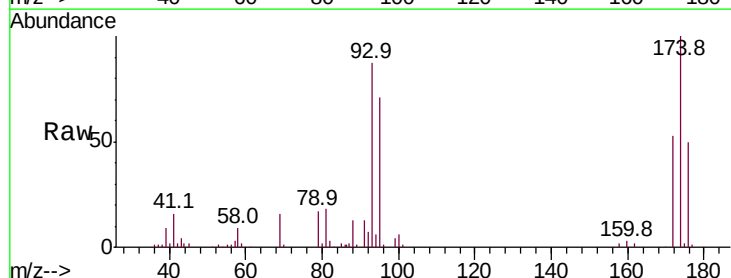
Tgt Ion: 93 Resp: 75285

Ion Ratio Lower Upper

93 100

95 83.8 66.5 99.7

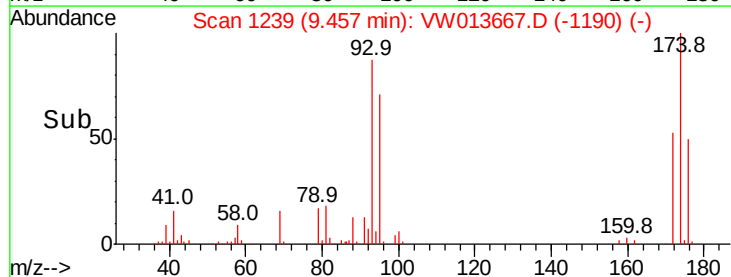
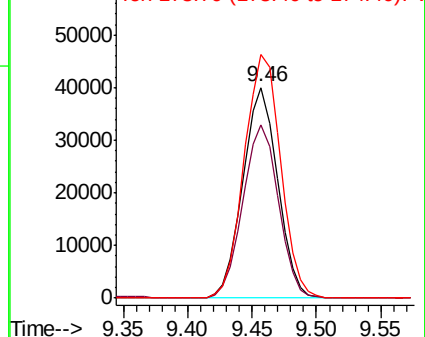
174 120.5 99.6 149.4

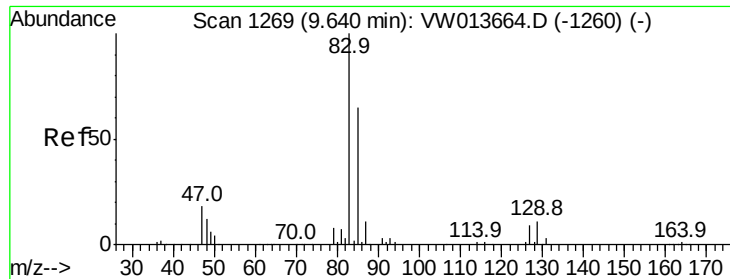


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.895 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

ClientSampled :

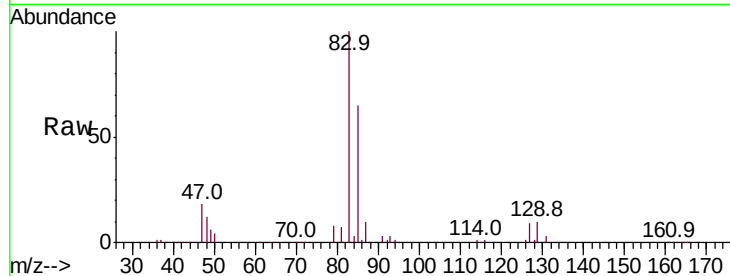
Tot Ion: 83 Resp: 200133

Ion Ratio Lower Upper

83 100

85 64.8 51.8 77.6

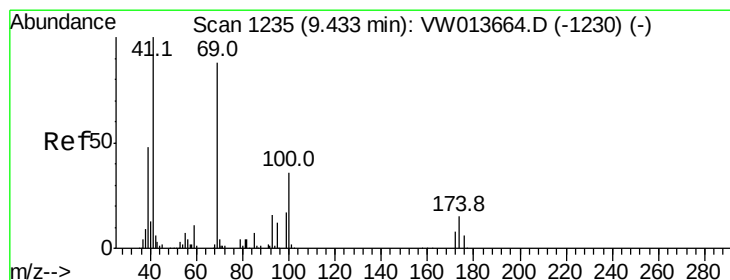
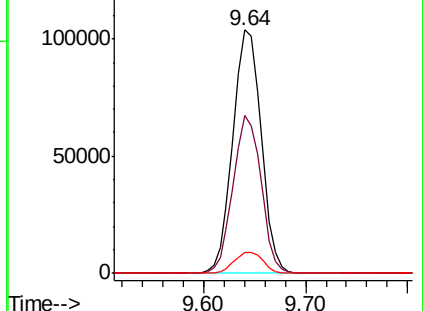
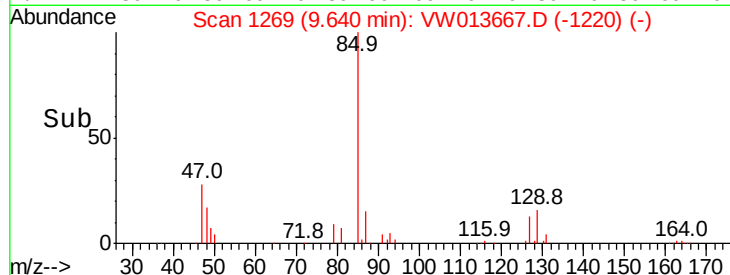
127 8.6 7.3 10.9



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: 49.273 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

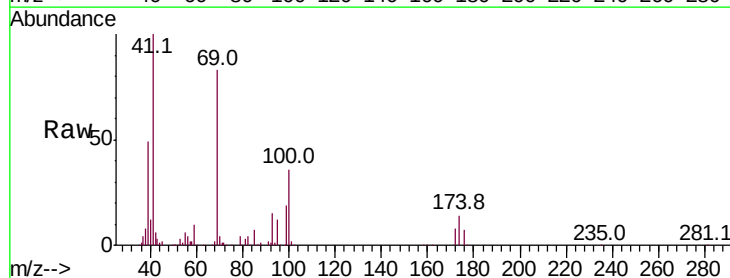
Tgt Ion: 41 Resp: 82936

Ion Ratio Lower Upper

41 100

69 86.2 67.6 101.4

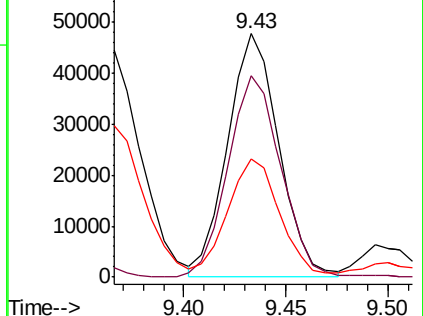
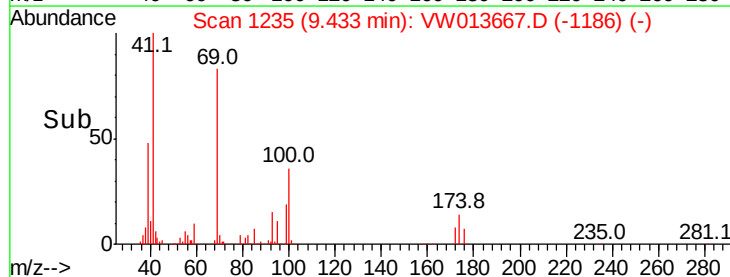
39 46.0 38.6 58.0

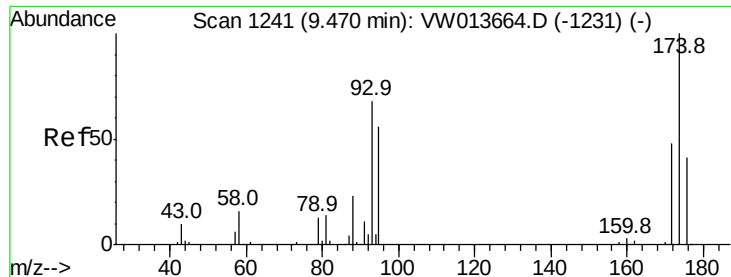


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 910.245 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. 0.01 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :
MSVOA_W
ClientSampled :

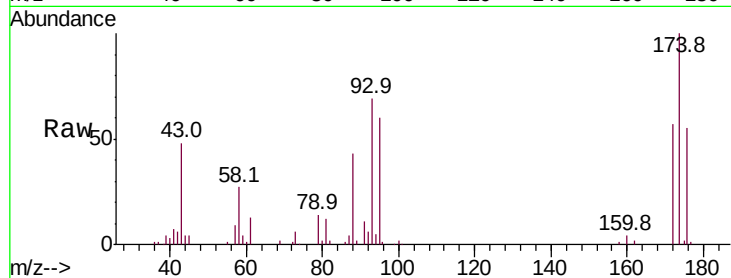
Tot Ion: 88 Resp: 20442

Ion Ratio Lower Upper

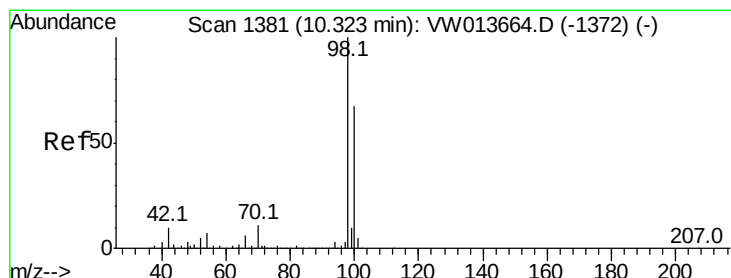
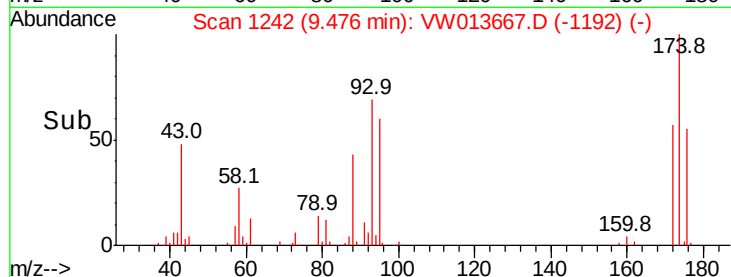
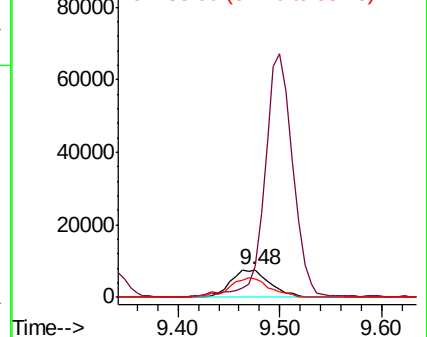
88 100

43 0.0 0.0 0.0

58 73.2 58.9 88.3



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 51.961 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013667.D

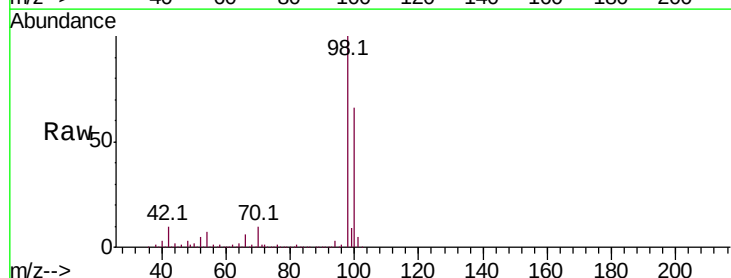
Acq: 23 Oct 2019 14:18

Tgt Ion: 98 Resp: 585175

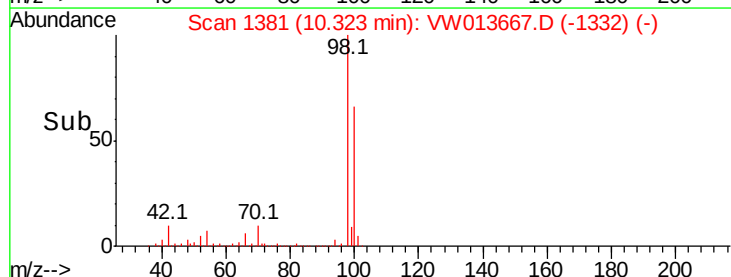
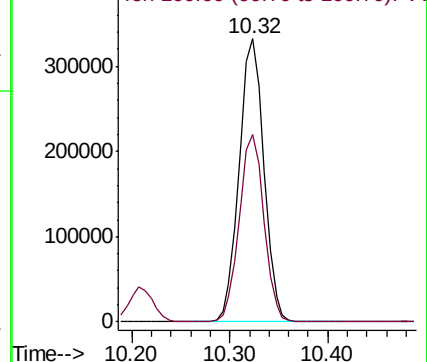
Ion Ratio Lower Upper

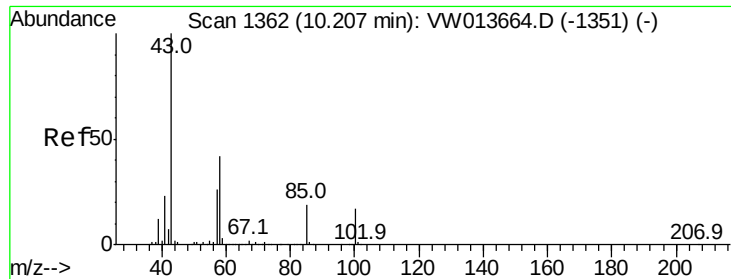
98 100

100 66.2 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

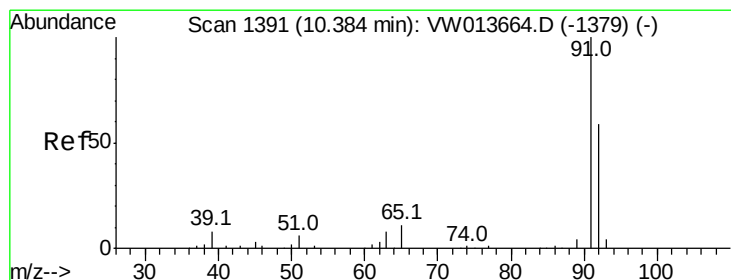
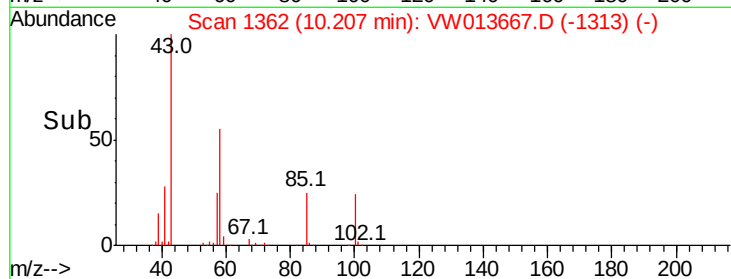
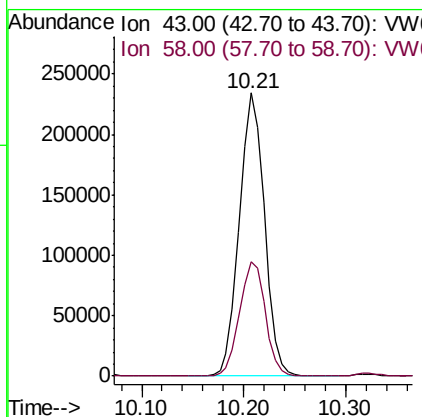
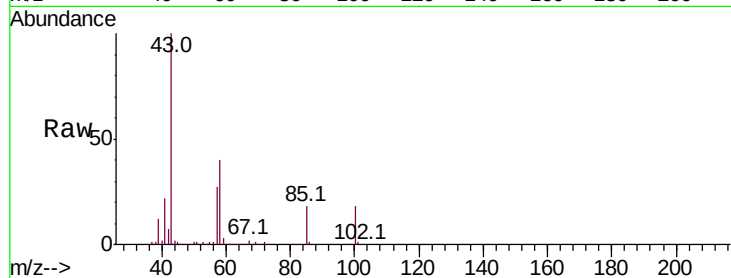




#51
4-Methyl-2-Pentanone
Concen: 238.016 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

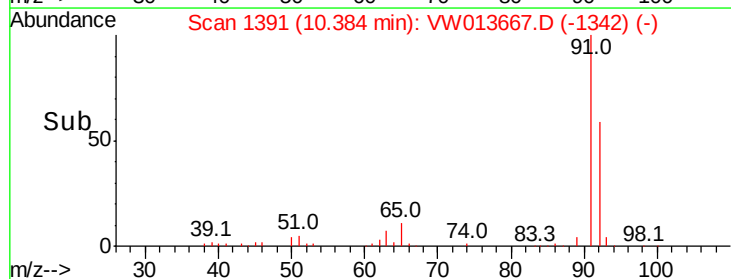
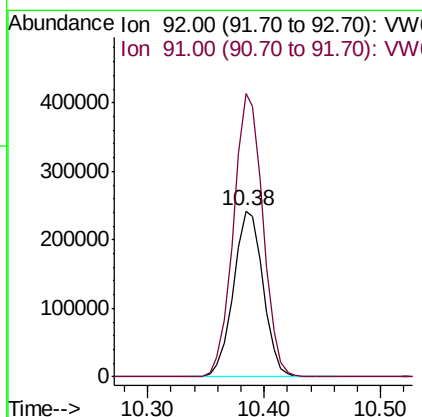
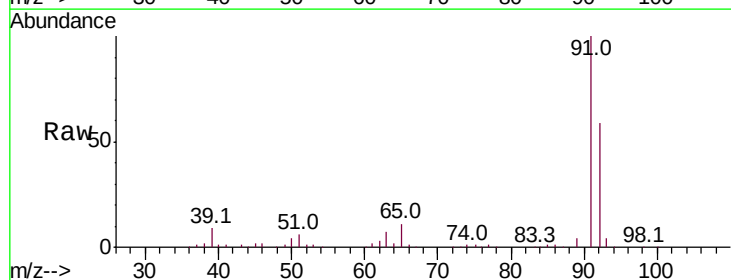
Instrument :
MSVOA_W
ClientSampleId :

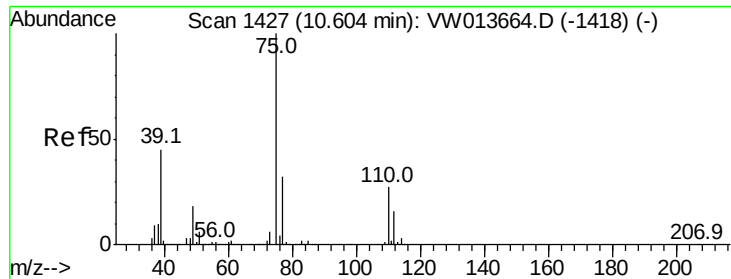
Tot Ion: 43 Resp: 401446
Ion Ratio Lower Upper
43 100
58 41.1 32.6 49.0



#52
Toluene
Concen: 50.733 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Tgt Ion: 92 Resp: 428997
Ion Ratio Lower Upper
92 100
91 169.7 134.5 201.7





#53

t-1,3-Dichloropropene

Concen: 51.473 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

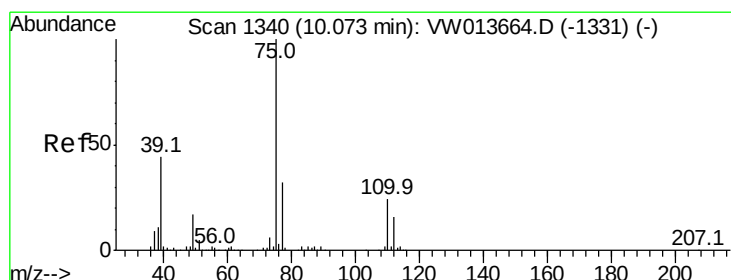
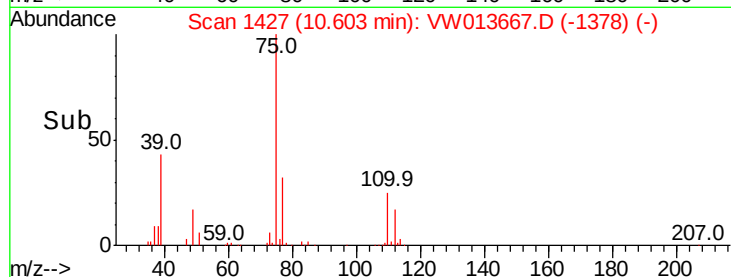
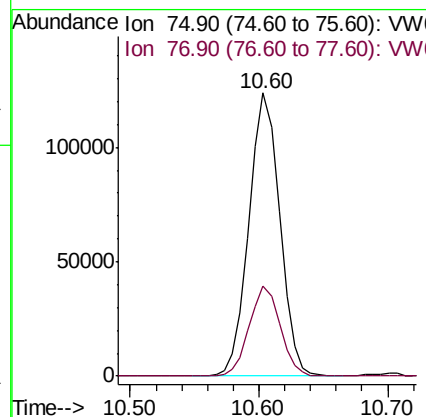
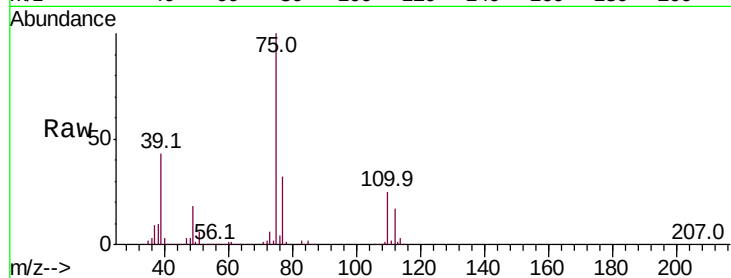
ClientSampled :

Tot Ion: 75 Resp: 204905

Ion Ratio Lower Upper

75 100

77 31.6 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 51.551 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

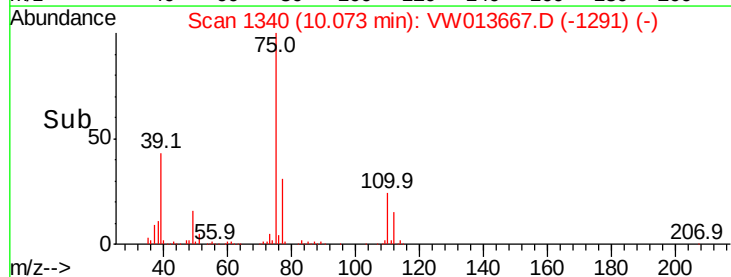
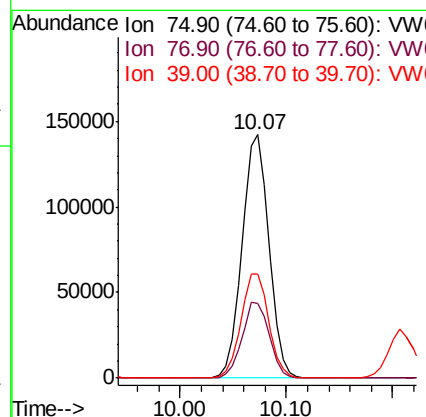
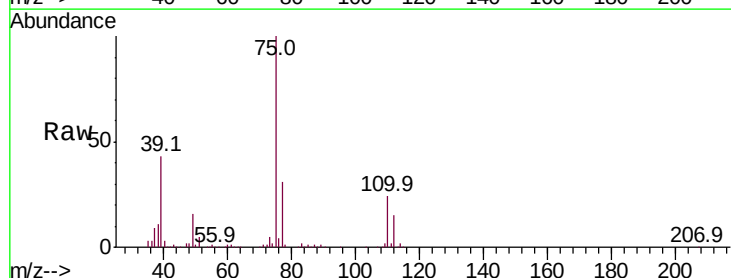
Tgt Ion: 75 Resp: 253185

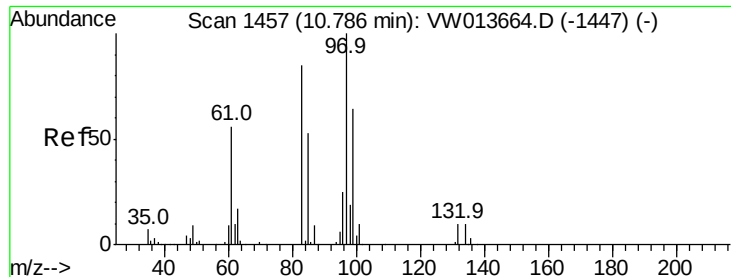
Ion Ratio Lower Upper

75 100

77 30.8 25.8 38.6

39 42.8 35.3 52.9





#55

1,1,2-Trichloroethane

Concen: 48.855 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 110655

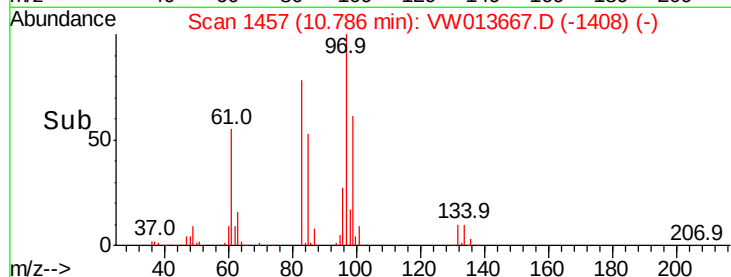
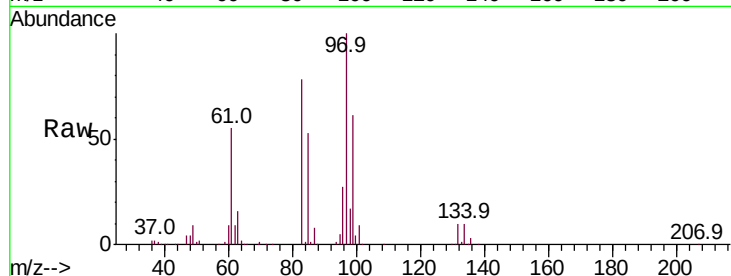
Ion	Ratio	Lower	Upper
97	100		
83	77.8	67.8	101.8
85	52.7	42.1	63.1
99	61.4	51.4	77.0

97 100

83 77.8 67.8 101.8

85 52.7 42.1 63.1

99 61.4 51.4 77.0



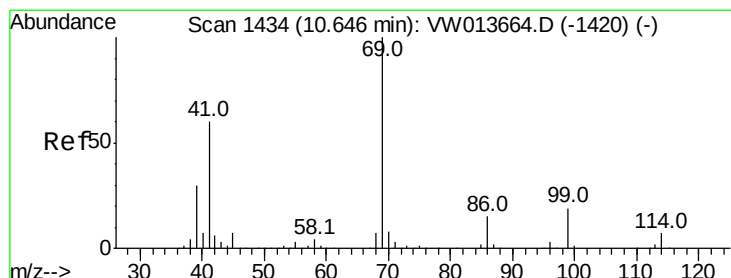
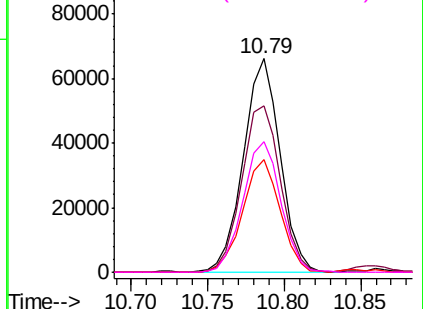
Abundance

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: 51.046 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

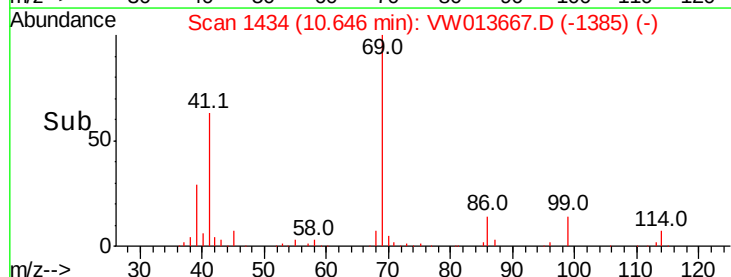
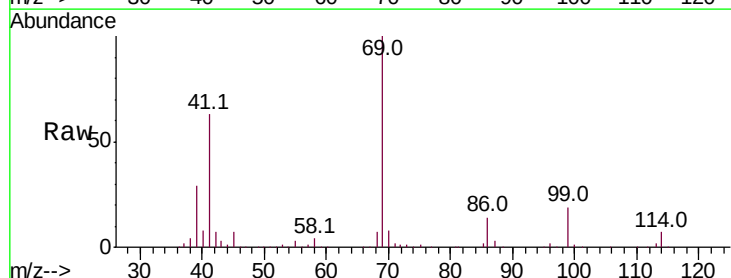
Tgt Ion: 69 Resp: 144653

Ion	Ratio	Lower	Upper
69	100		
41	64.0	51.6	77.4
39	27.5	22.4	33.6

69 100

41 64.0 51.6 77.4

39 27.5 22.4 33.6

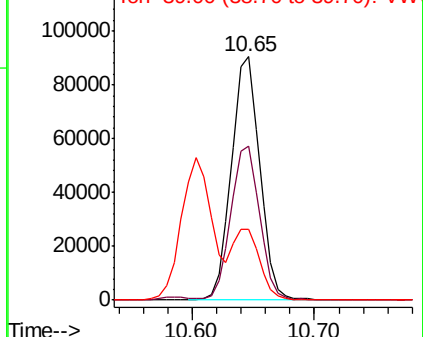


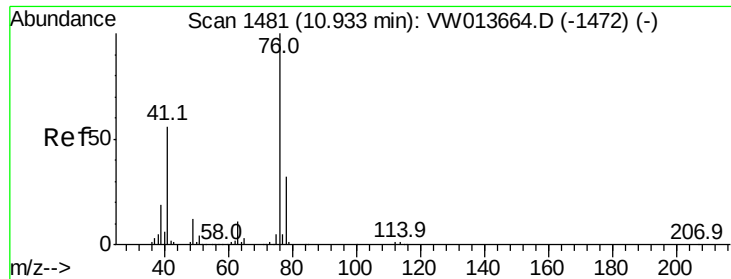
Abundance

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: 49.510 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

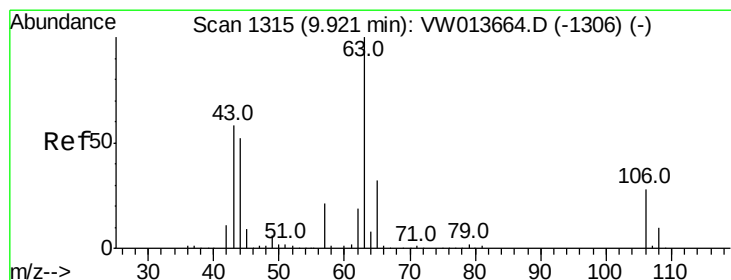
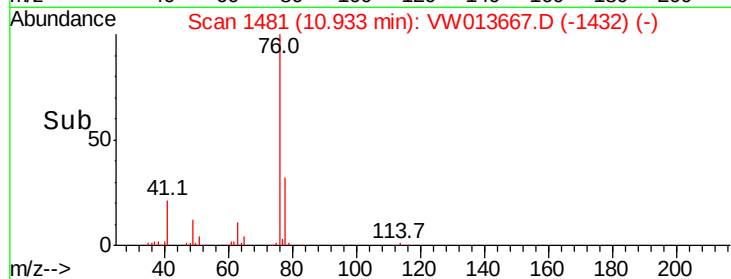
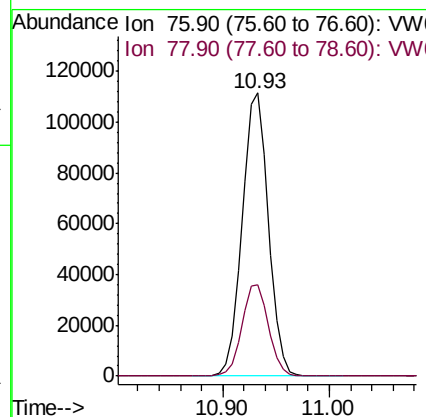
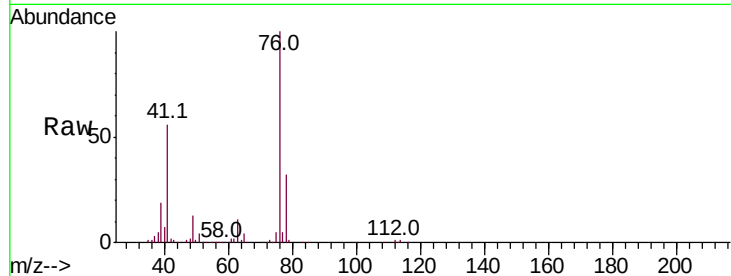
Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 76 Resp: 192439

Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.0	39.0



#58

2-Chloroethyl Vinyl ether

Concen: 263.514 ug/l

RT: 9.92 min Scan# 1315

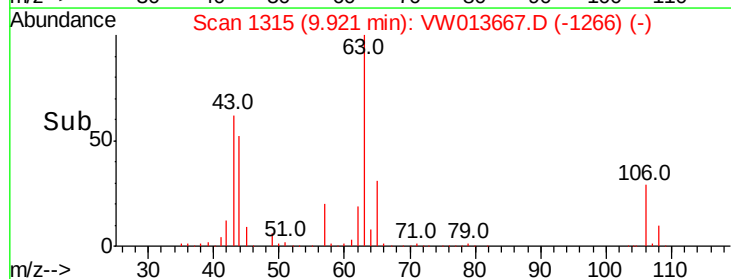
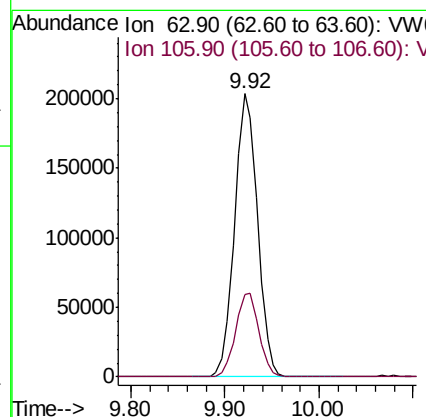
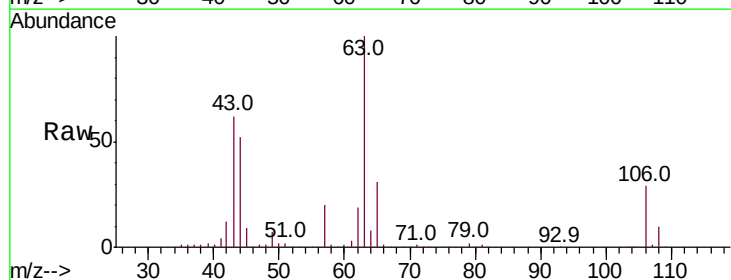
Delta R.T. -0.00 min

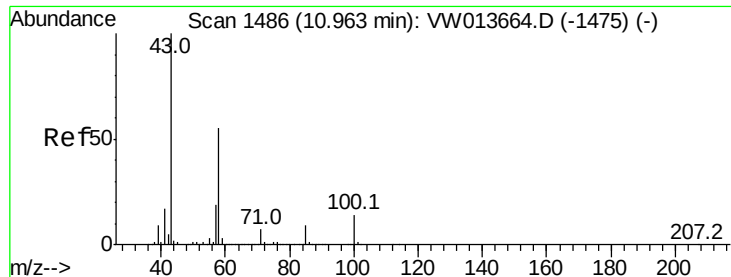
Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Tgt Ion: 63 Resp: 343676

Ion	Ratio	Lower	Upper
63	100		
106	30.1	23.8	35.8

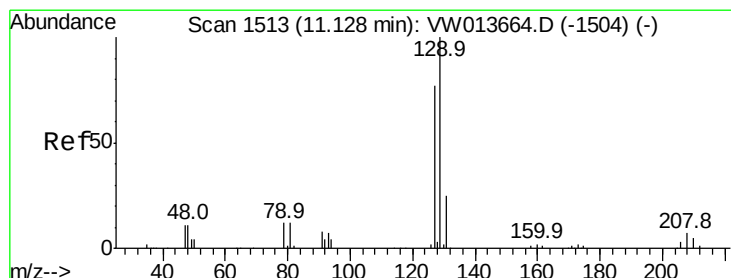
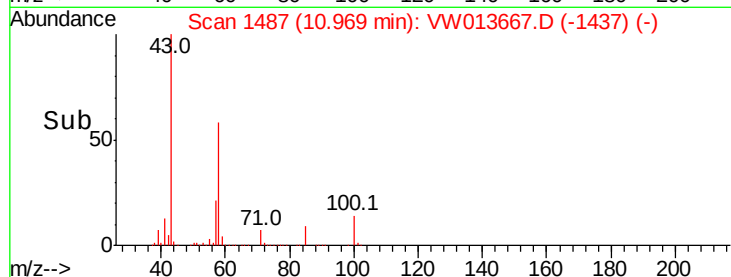
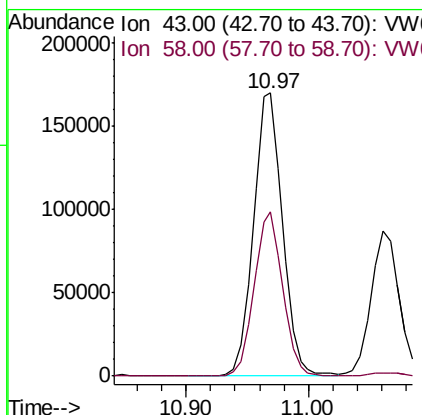
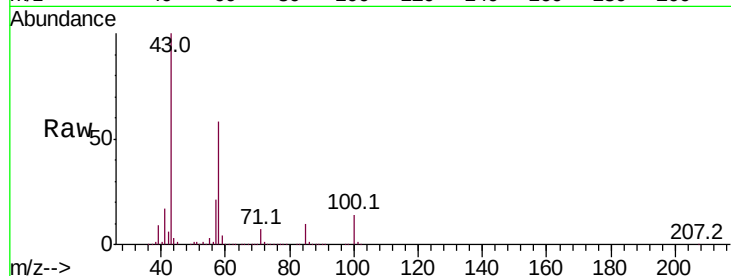




#59
2-Hexanone
Concen: 242.254 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

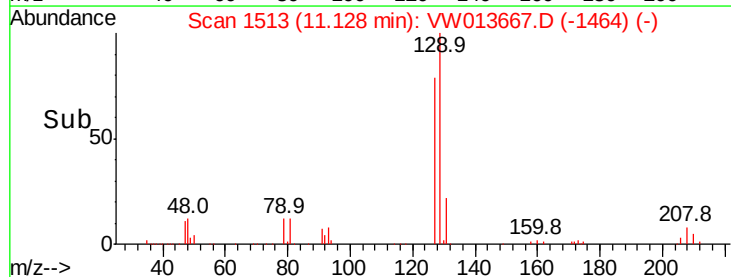
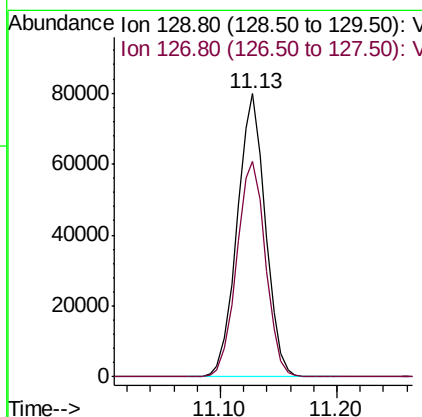
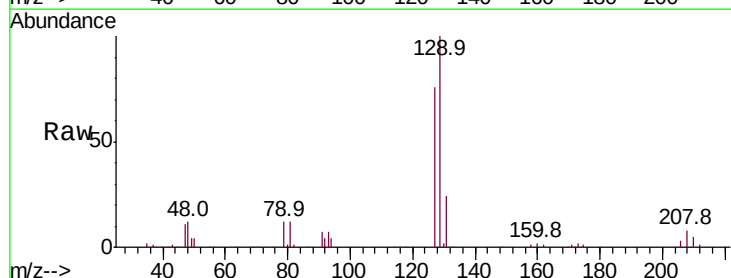
Instrument :
MSVOA_W
ClientSampleId :

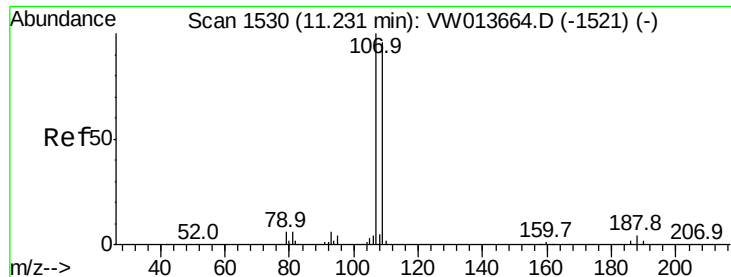
Tot Ion: 43 Resp: 281683
Ion Ratio Lower Upper
43 100
58 56.8 27.9 83.7



#60
Dibromochloromethane
Concen: 50.125 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Tgt Ion: 129 Resp: 134798
Ion Ratio Lower Upper
129 100
127 77.6 38.9 116.7

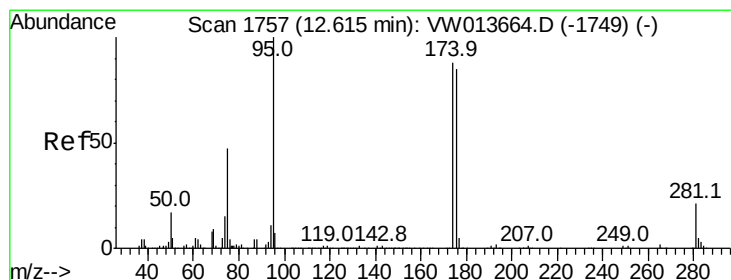
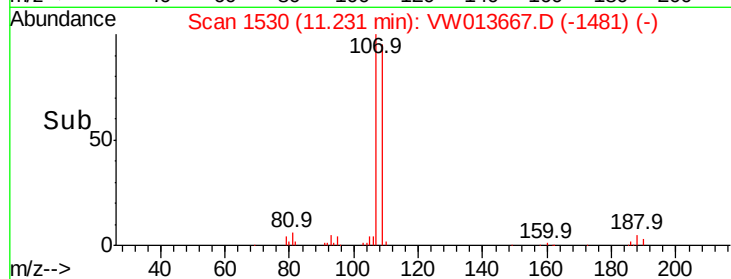
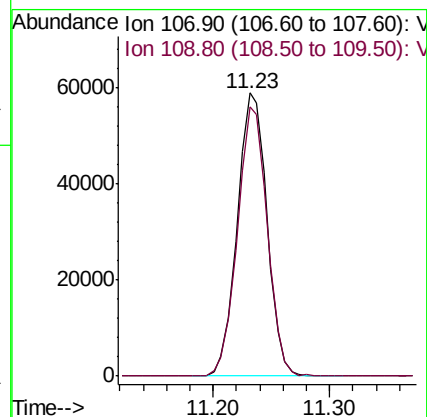
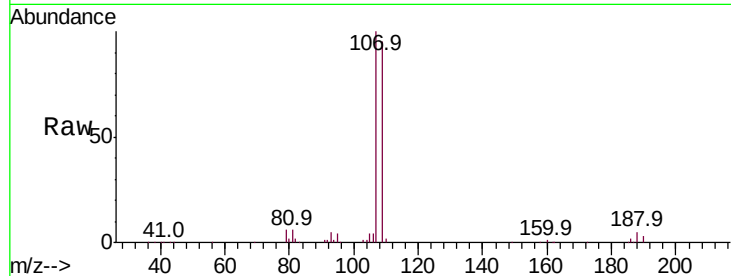




#61
 1,2-Dibromoethane
 Concen: 48.970 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013667.D
 Acq: 23 Oct 2019 14:18

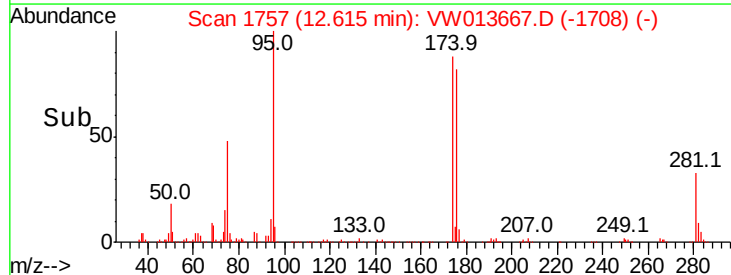
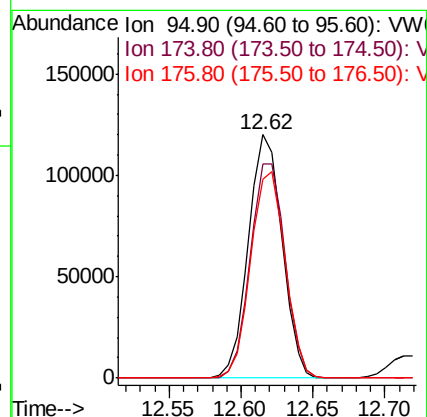
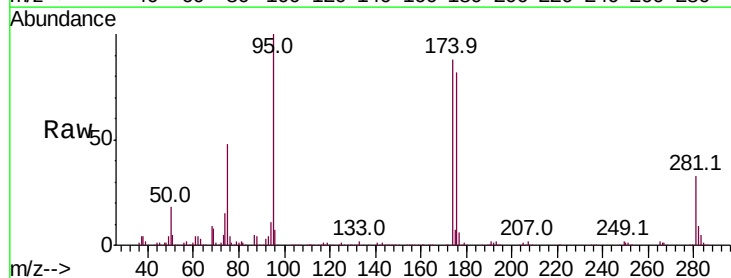
Instrument :
 MSVOA_W
 ClientSampleId :

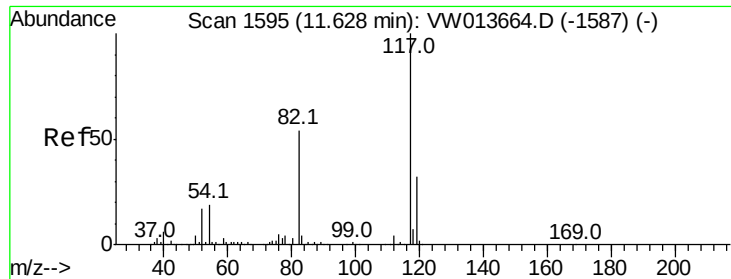
Tot Ion:107 Resp: 104933
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 50.969 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013667.D
 Acq: 23 Oct 2019 14:18

Tgt Ion: 95 Resp: 194357
 Ion Ratio Lower Upper
 95 100
 174 90.9 0.0 183.6
 176 86.8 0.0 178.0

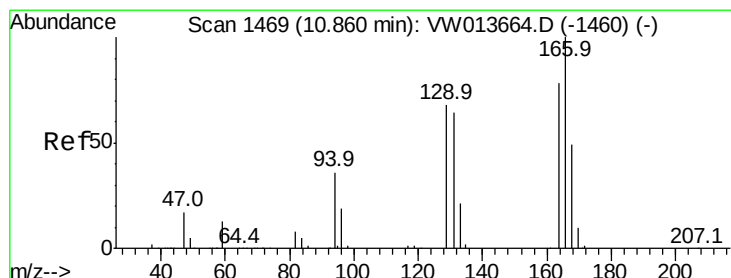
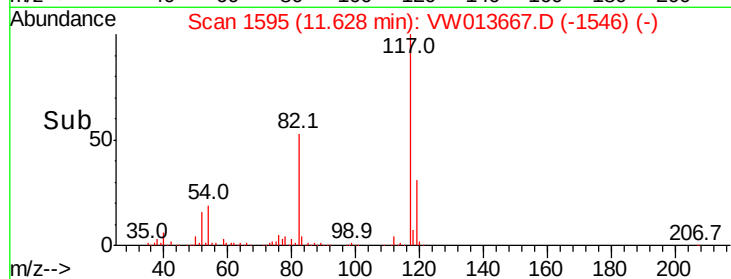
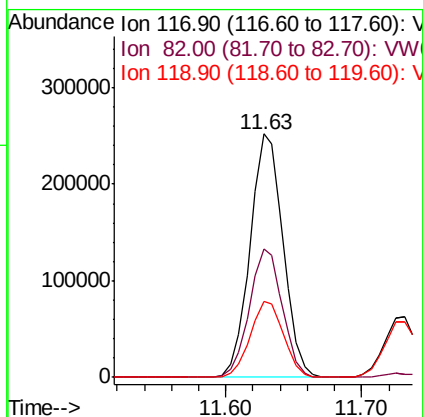
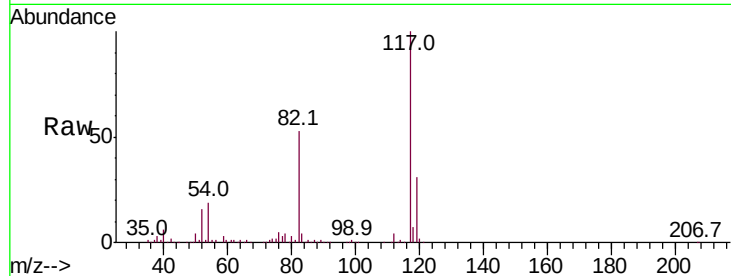




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

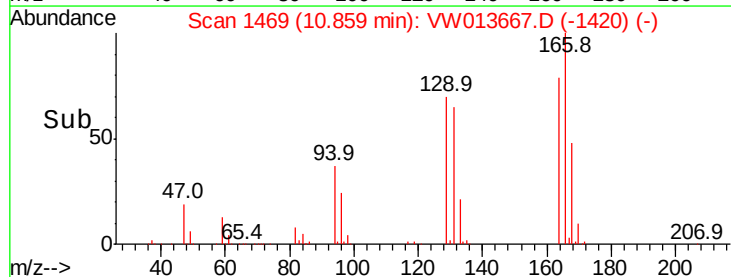
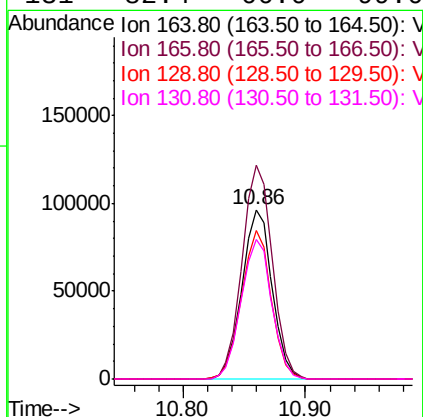
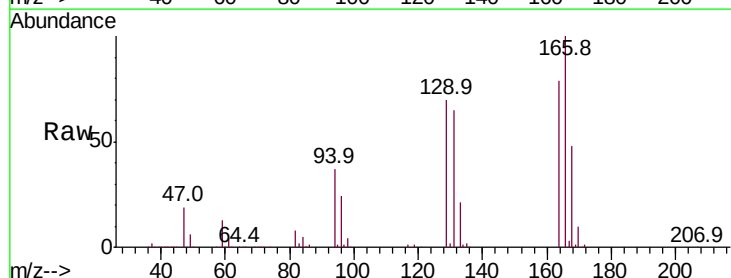
Instrument :
MSVOA_W
ClientSampleId :

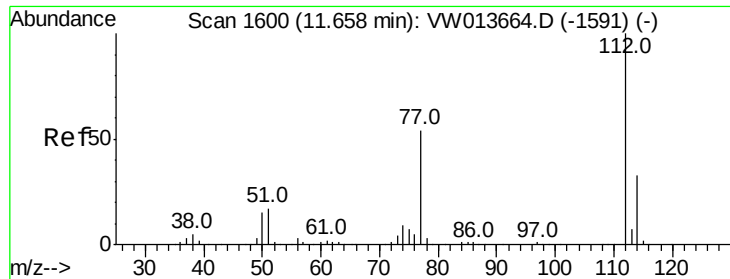
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	43.6	65.4
119	31.3	25.4	38.2



#64
Tetrachloroethene
Concen: 50.409 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	103.2	154.8
129	87.6	70.6	105.8
131	82.4	66.0	99.0





#65

Chlorobenzene

Concen: 50.177 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

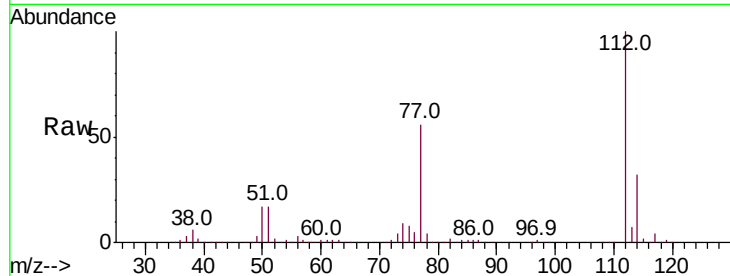
ClientSampled :

Tot Ion:112 Resp: 441601

Ion Ratio Lower Upper

112 100

114 32.2 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

250000

200000

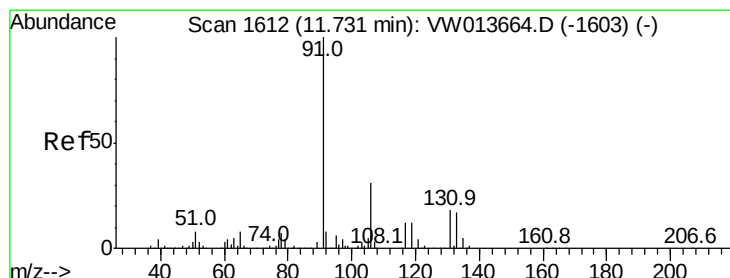
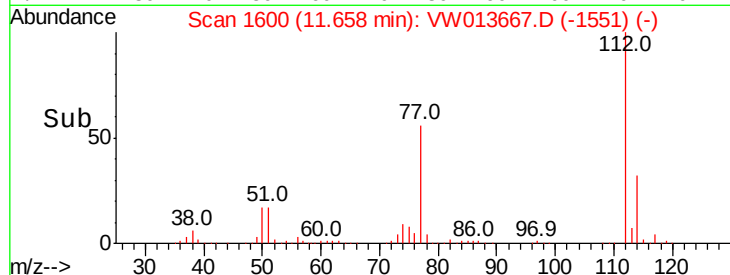
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 50.442 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

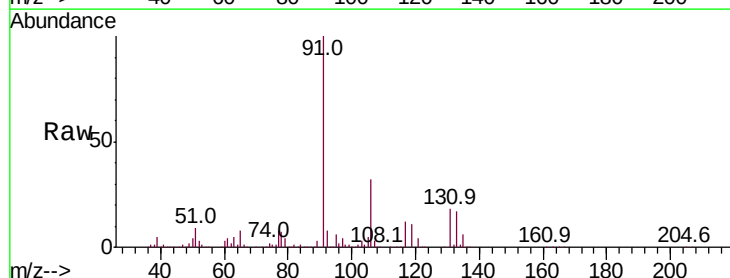
Tgt Ion:131 Resp: 154934

Ion Ratio Lower Upper

131 100

133 94.4 47.4 142.3

119 63.6 33.1 99.2



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.73

120000

100000

80000

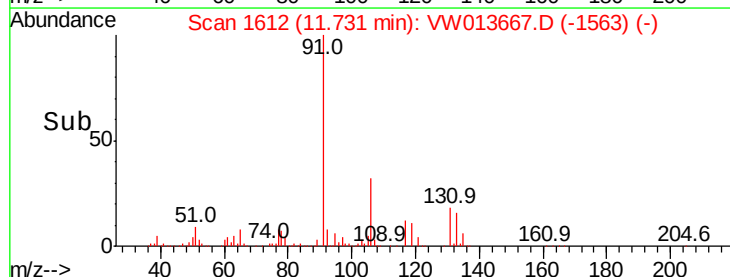
60000

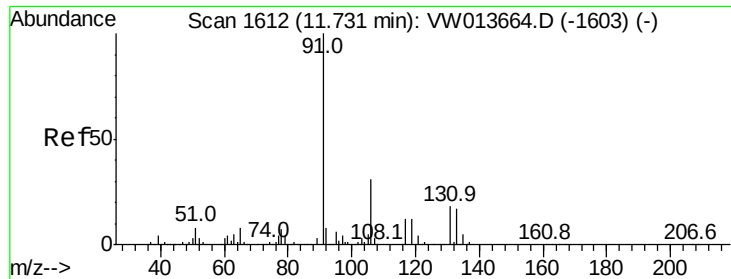
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 51.030 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

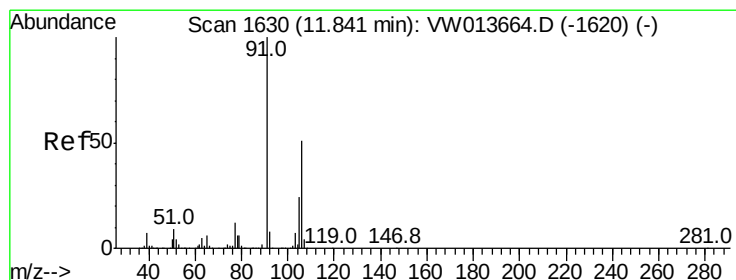
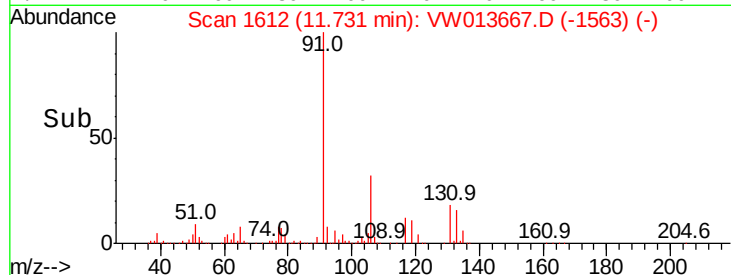
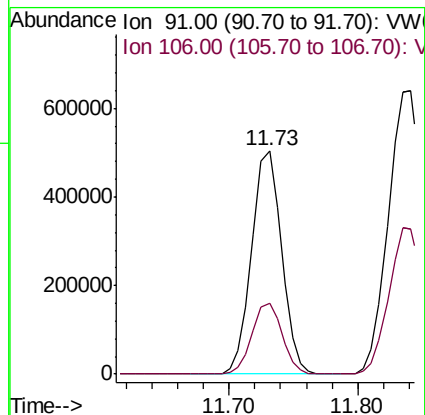
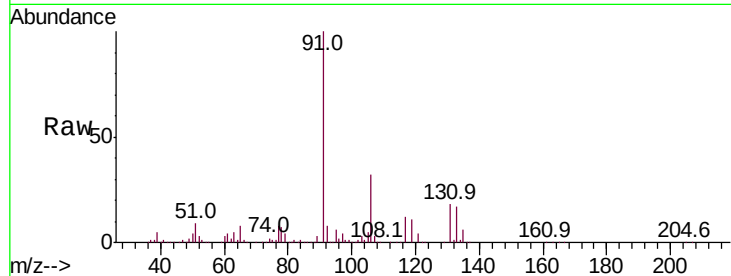
ClientSampled :

Tot Ion: 91 Resp: 809830

Ion Ratio Lower Upper

91 100

106 31.9 25.0 37.6



#68

m/p-Xylenes

Concen: 102.652 ug/l

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW013667.D

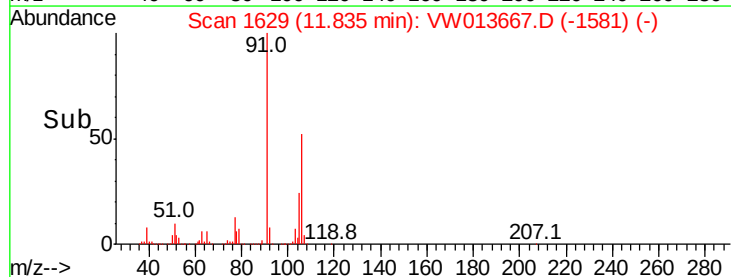
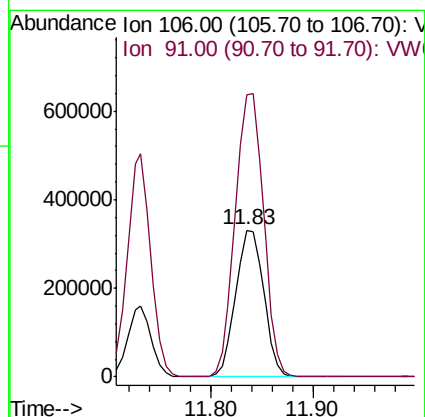
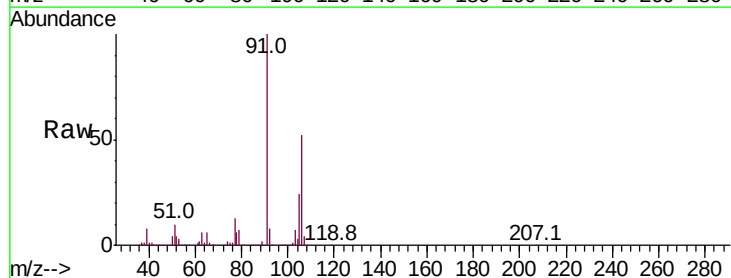
Acq: 23 Oct 2019 14:18

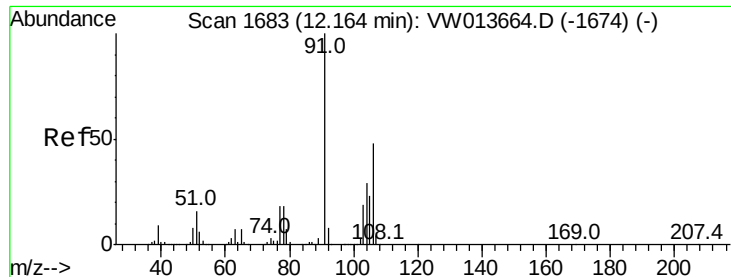
Tgt Ion: 106 Resp: 629386

Ion Ratio Lower Upper

106 100

91 195.8 159.2 238.8

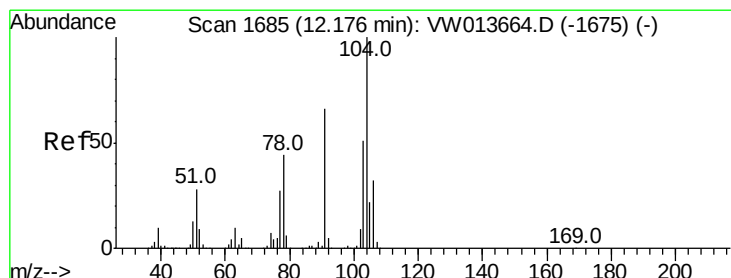
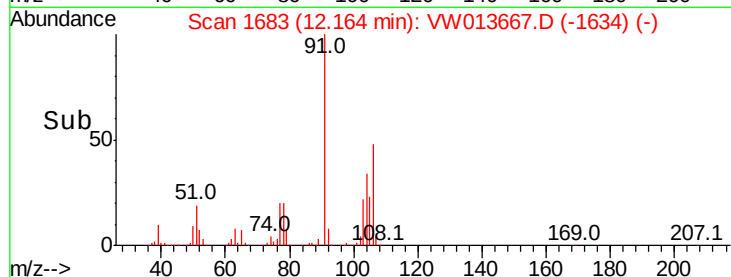
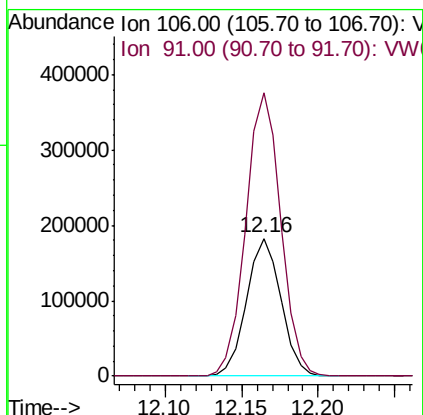
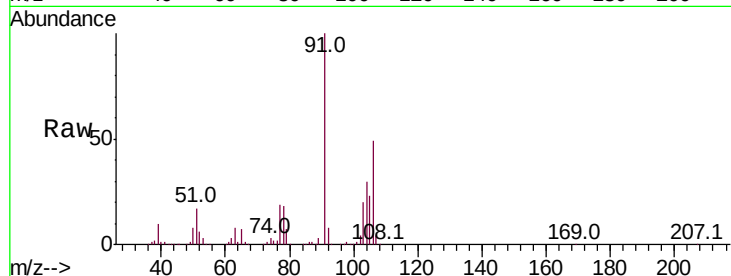




#69
o-Xylene
Concen: 50.896 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

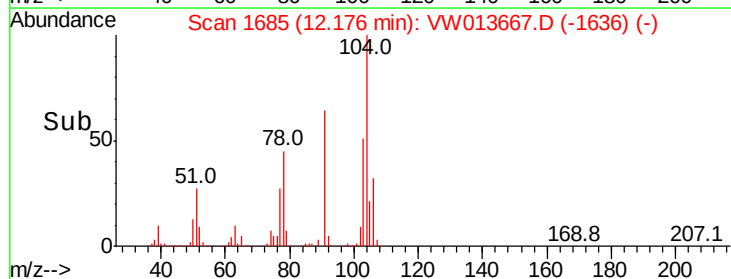
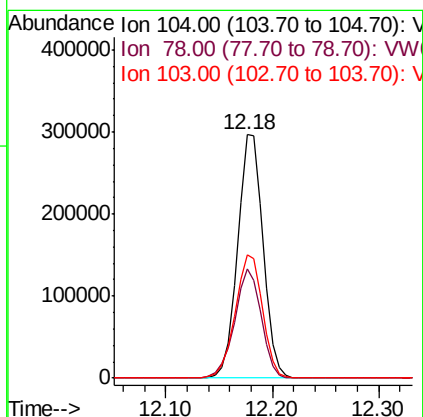
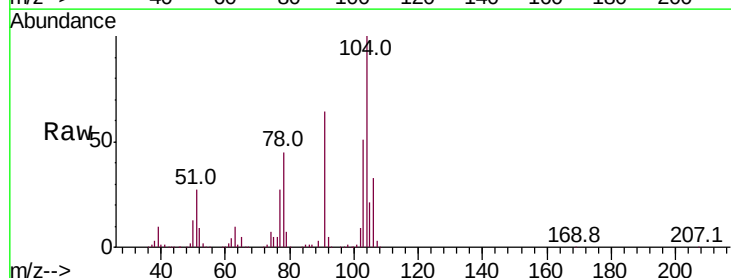
Instrument :
MSVOA_W
ClientSampleId :

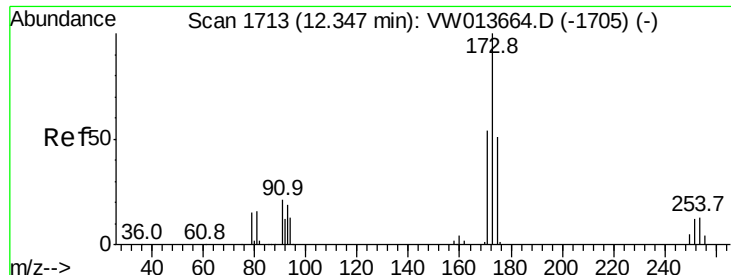
Tot Ion:106 Resp: 286832
Ion Ratio Lower Upper
106 100
91 207.8 104.9 314.7



#70
Styrene
Concen: 51.352 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Tgt Ion:104 Resp: 497234
Ion Ratio Lower Upper
104 100
78 46.9 37.1 55.7
103 54.5 43.6 65.4

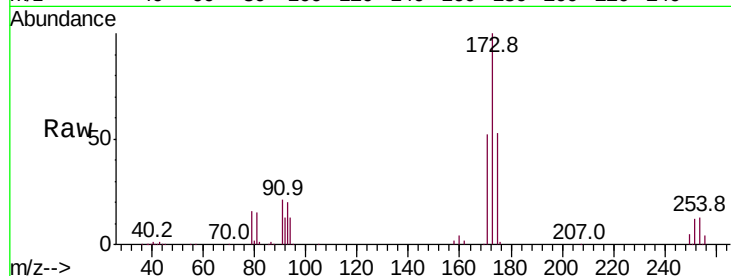




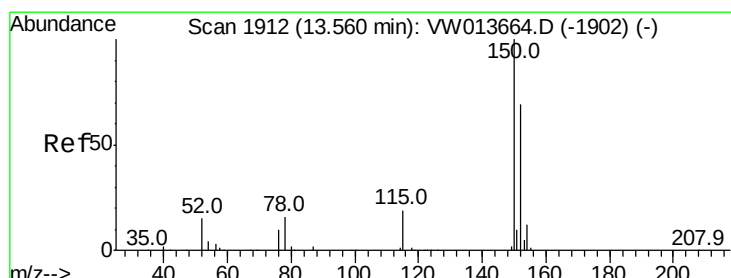
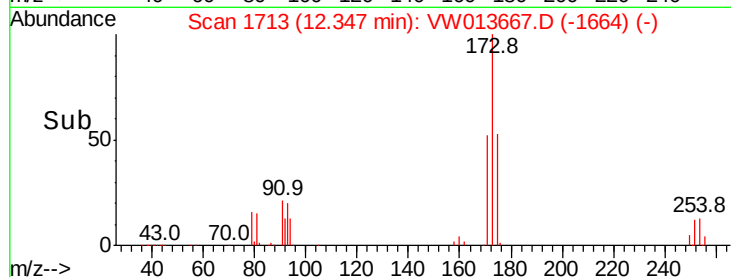
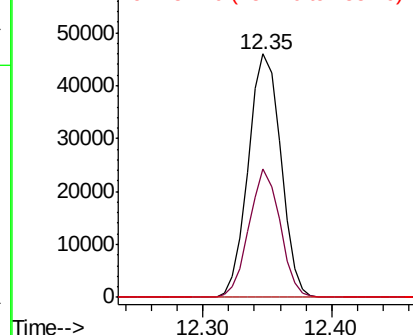
#71
Bromoform
Concen: 49.800 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:173 Resp: 80271
Ion Ratio Lower Upper
173 100
175 50.1 25.2 75.6
254 0.1 0.1 0.1

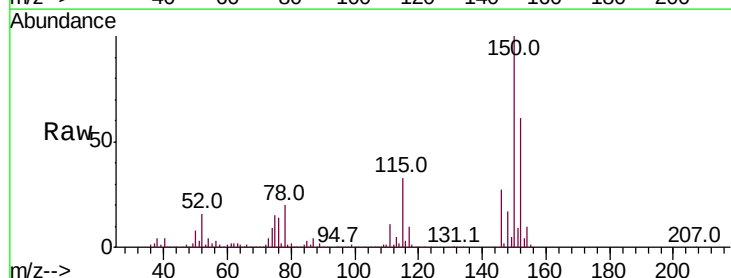


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

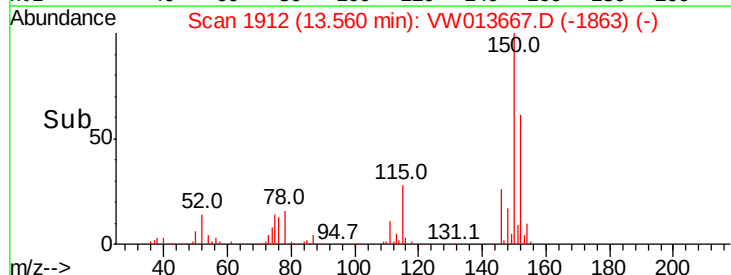
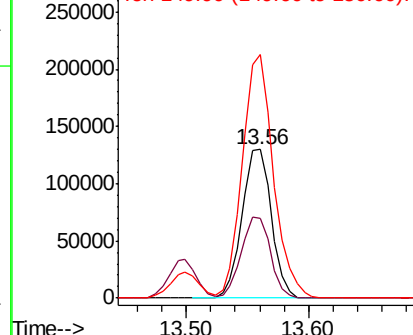


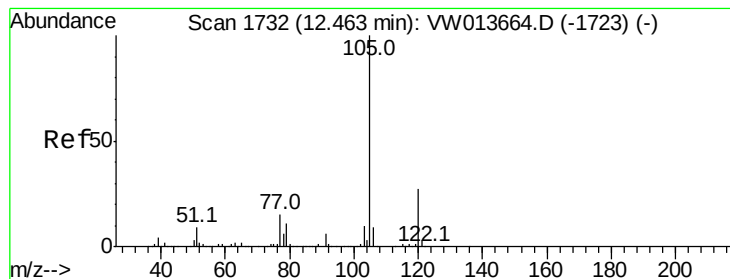
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Tgt Ion:152 Resp: 214788
Ion Ratio Lower Upper
152 100
115 54.8 27.4 82.2
150 173.9 0.0 345.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.172 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

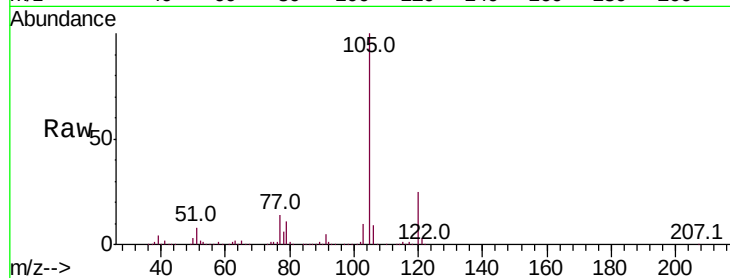
ClientSampleId :

Tot Ion:105 Resp: 804737

Ion Ratio Lower Upper

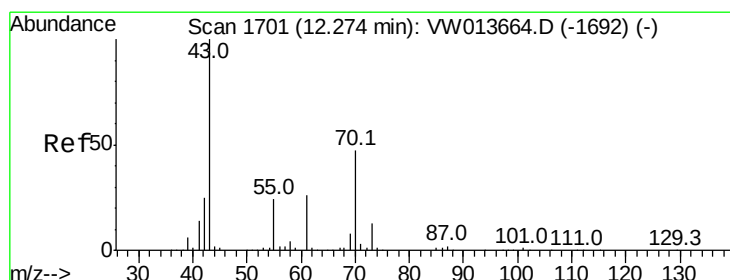
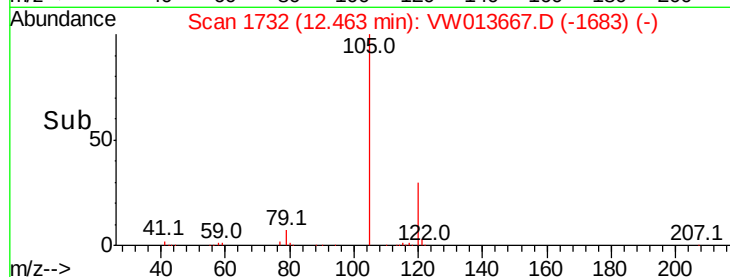
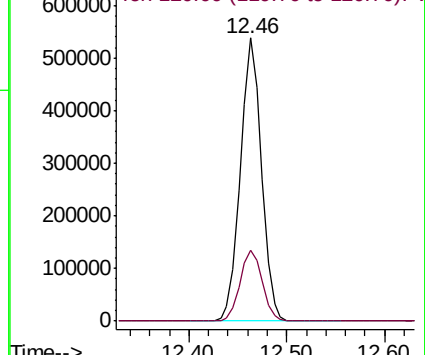
105 100

120 26.2 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-amyl acetate

Concen: 50.888 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Tgt Ion: 43 Resp: 151837

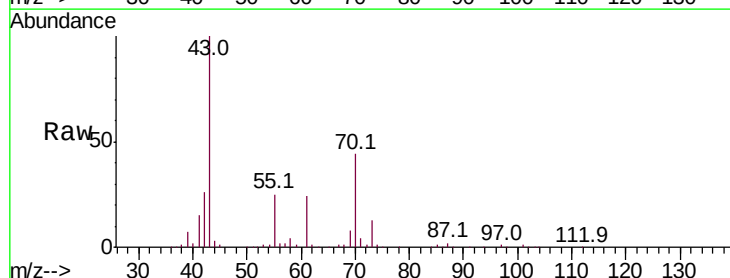
Ion Ratio Lower Upper

43 100

70 45.6 36.6 55.0

55 25.6 20.3 30.5

61 25.6 20.4 30.6

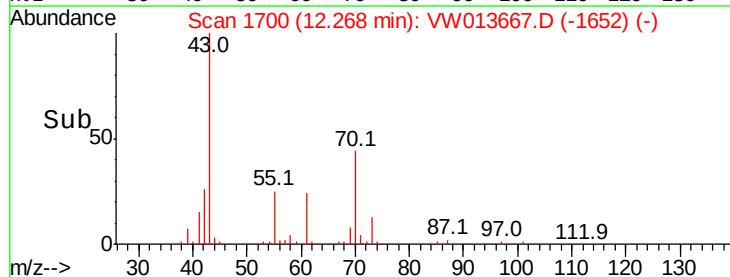
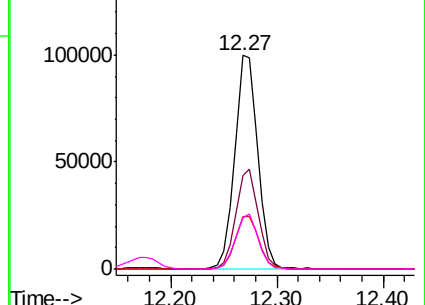


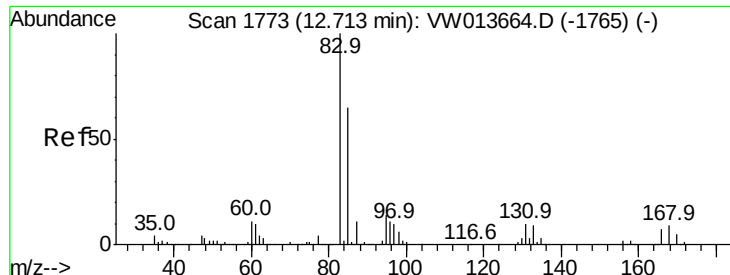
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 48.711 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

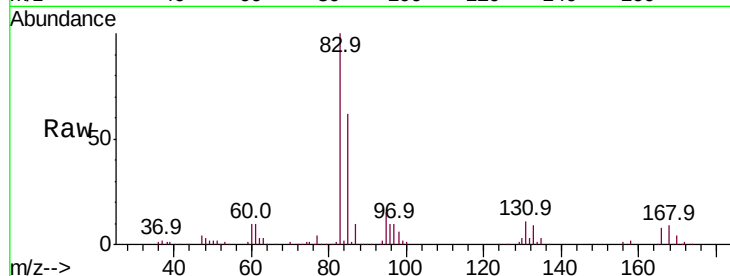
Tot Ion: 83 Resp: 118565

Ion	Ratio	Lower	Upper
83	100		
131	11.4	5.7	17.1
85	63.0	32.5	97.4

83 100

131 11.4 5.7 17.1

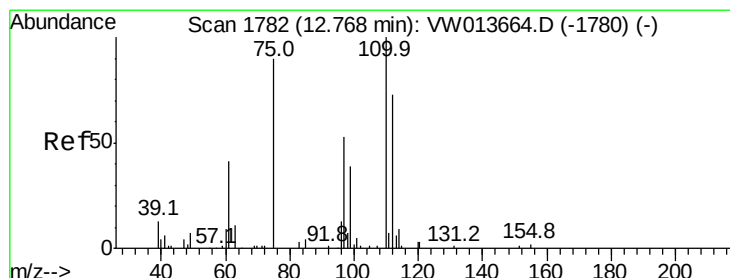
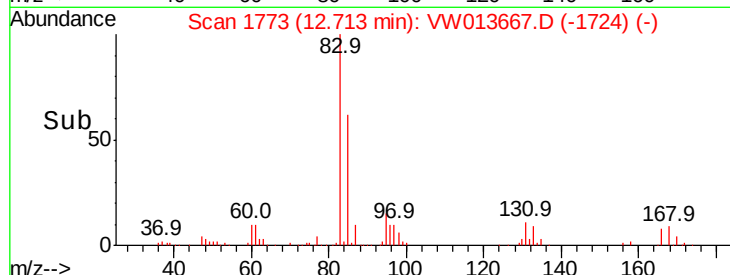
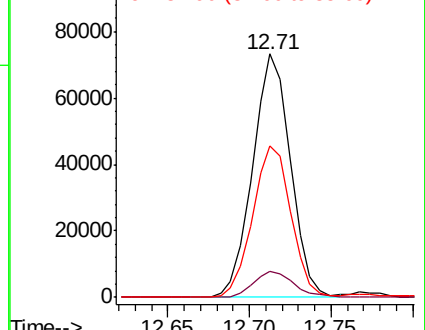
85 63.0 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 98.557 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013667.D

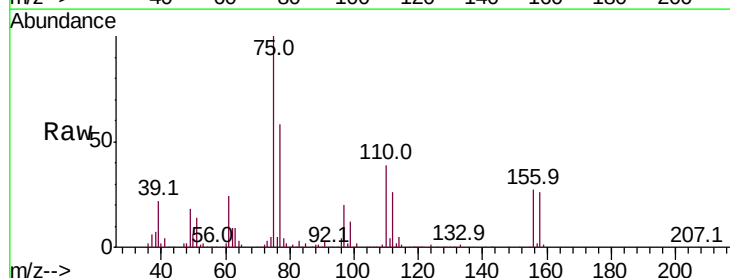
Acq: 23 Oct 2019 14:18

Tgt Ion: 75 Resp: 152022

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

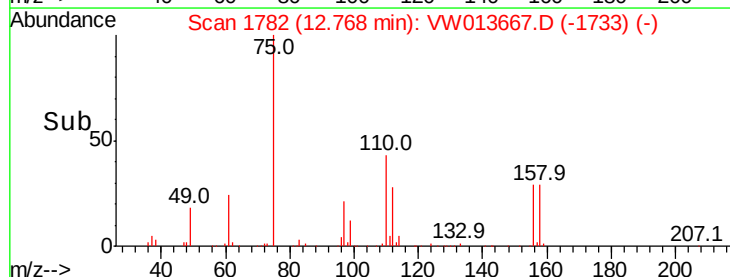
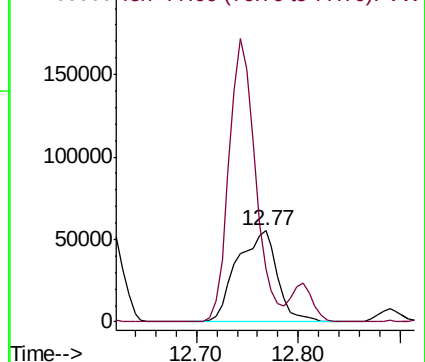
75 100

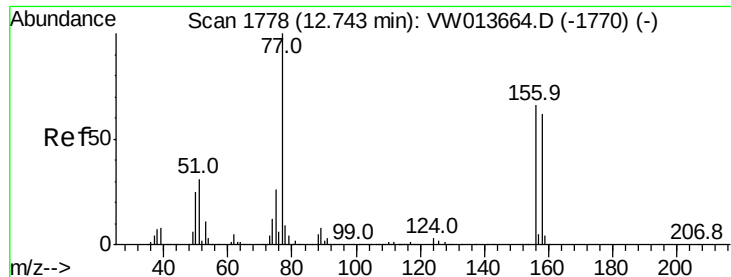
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 50.484 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

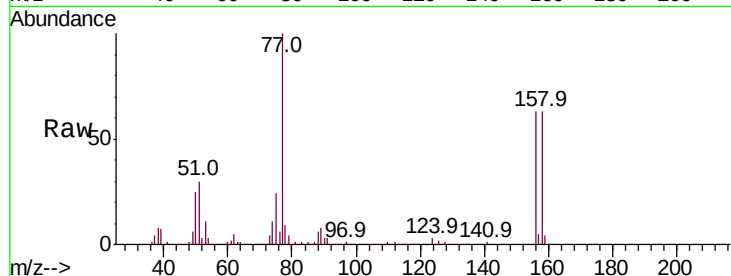
Tot Ion:156 Resp: 186019

Ion Ratio Lower Upper

156 100

77 166.8 82.9 248.7

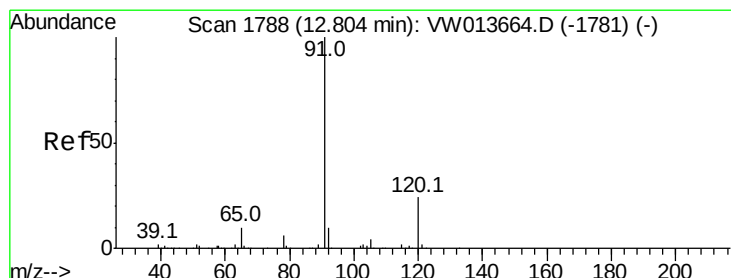
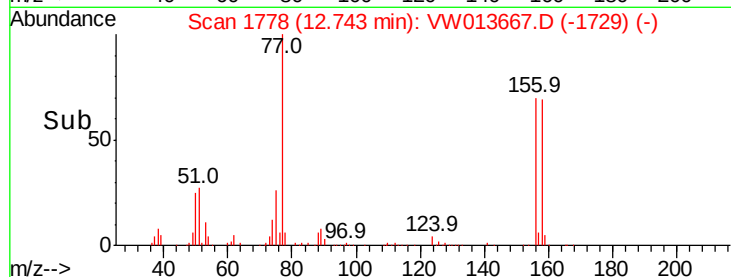
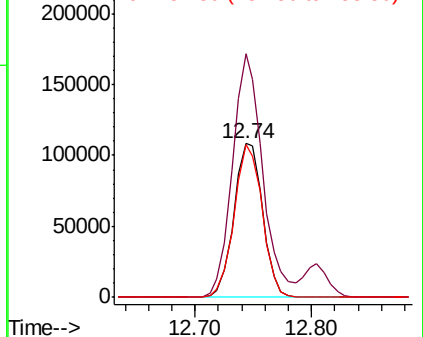
158 97.5 48.4 145.2



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: 52.630 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013667.D

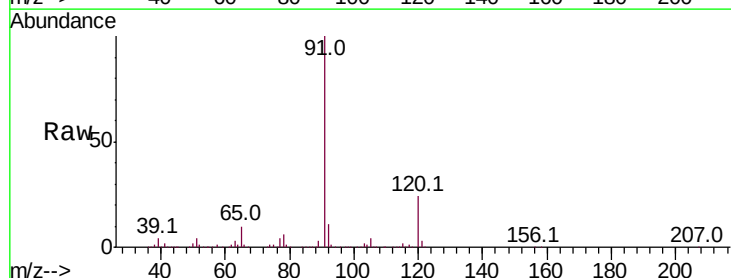
Acq: 23 Oct 2019 14:18

Tgt Ion: 91 Resp: 939608

Ion Ratio Lower Upper

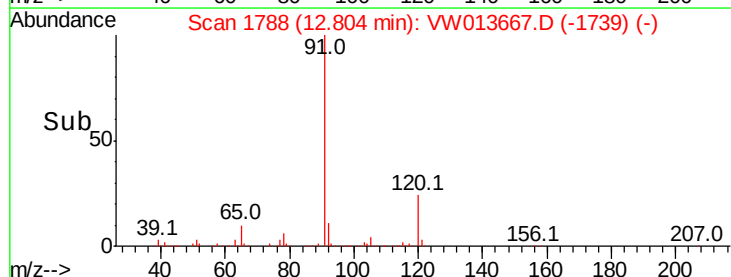
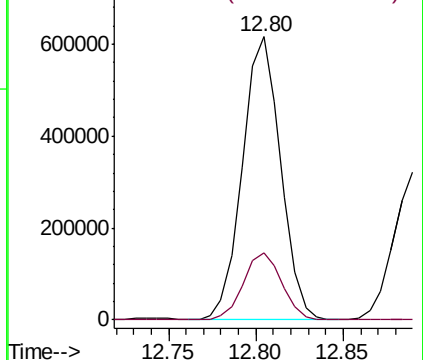
91 100

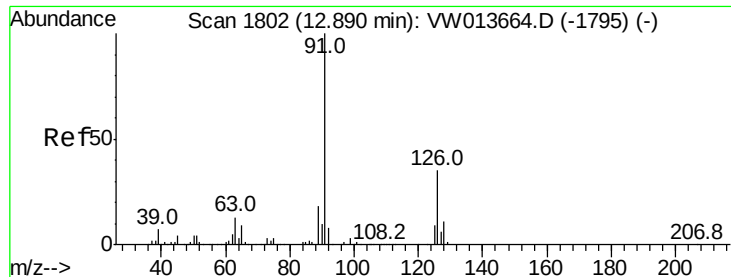
120 23.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.715 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

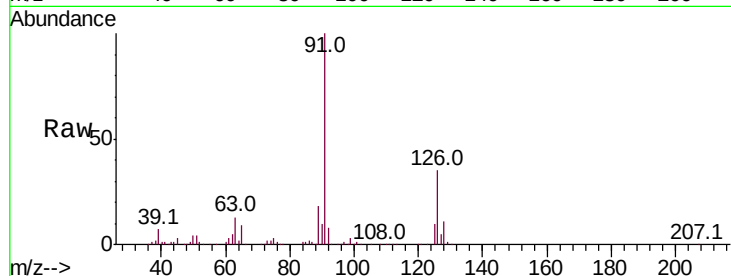
ClientSampleId :

Tot Ion: 91 Resp: 518850

Ion Ratio Lower Upper

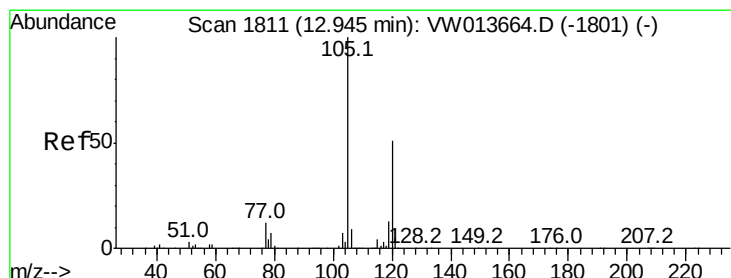
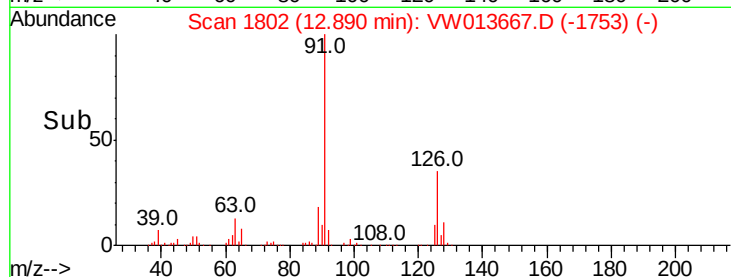
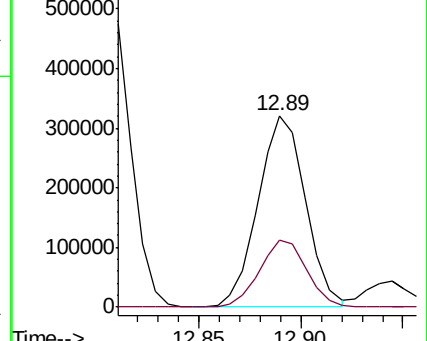
91 100

126 35.0 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.954 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013667.D

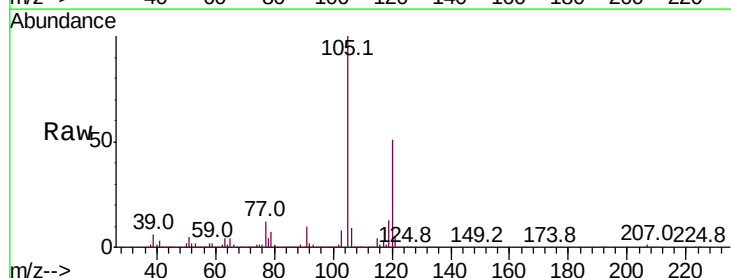
Acq: 23 Oct 2019 14:18

Tgt Ion:105 Resp: 676488

Ion Ratio Lower Upper

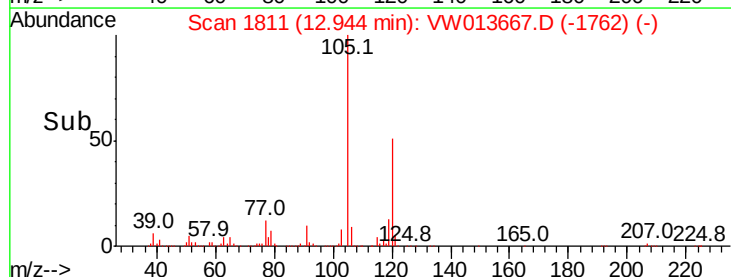
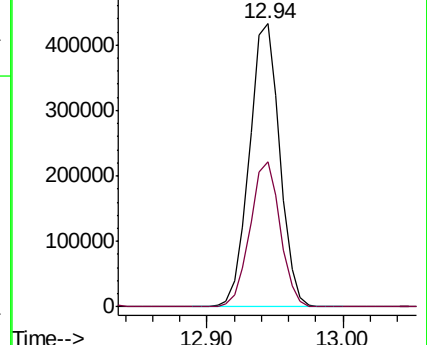
105 100

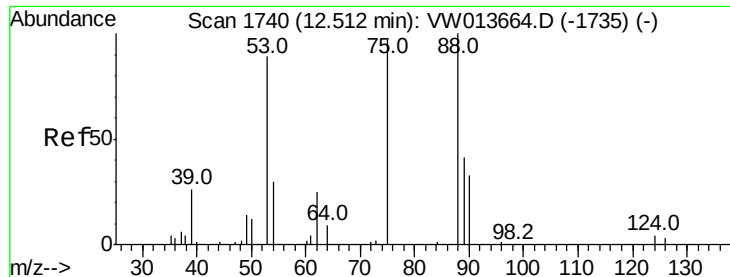
120 50.8 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 49.823 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

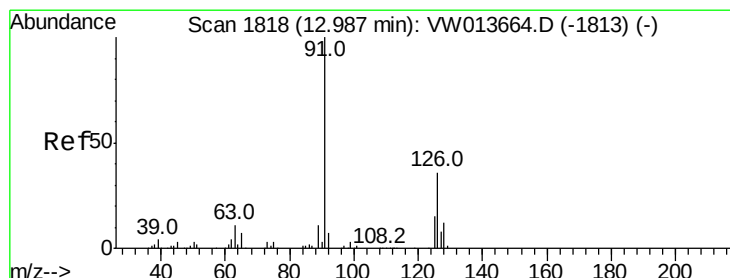
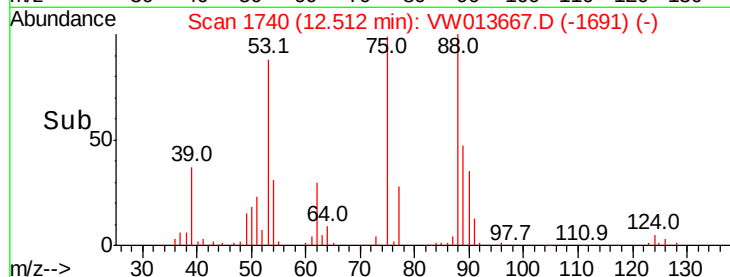
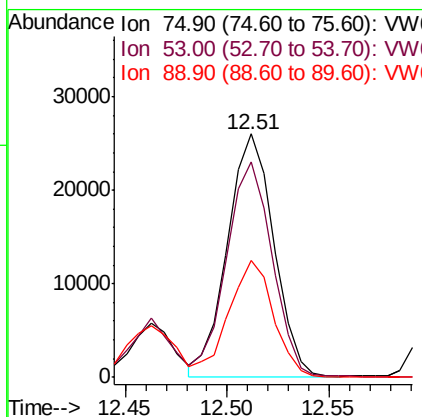
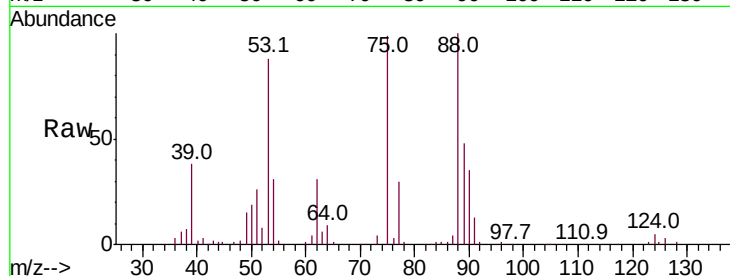
Tot Ion: 75 Resp: 40665

Ion Ratio Lower Upper

75 100

53 88.6 71.7 107.5

89 47.2 35.8 53.8



#82

4-Chlorotoluene

Concen: 51.650 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013667.D

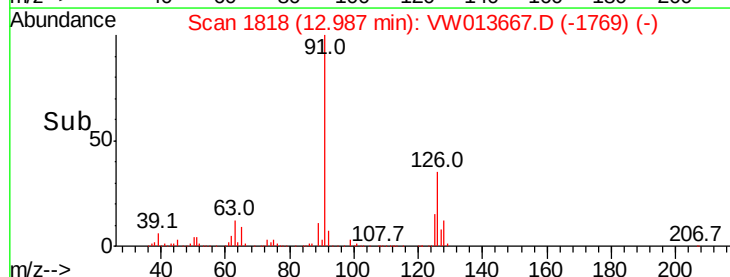
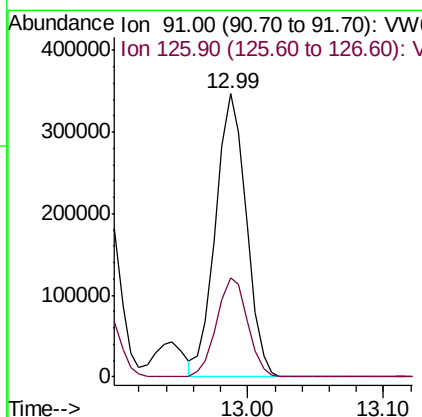
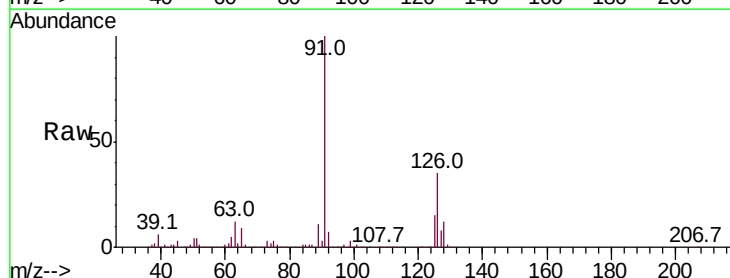
Acq: 23 Oct 2019 14:18

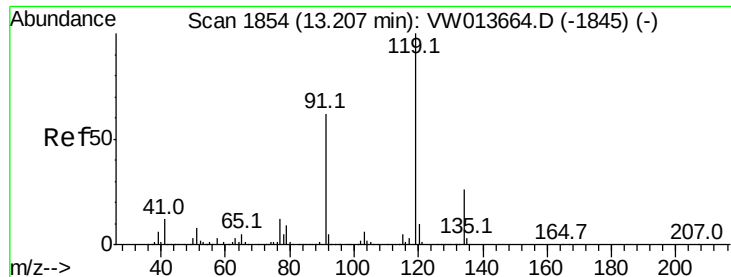
Tgt Ion: 91 Resp: 544025

Ion Ratio Lower Upper

91 100

126 35.3 17.2 51.5





#83

tert-Butylbenzene

Concen: 52.047 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW013667.D

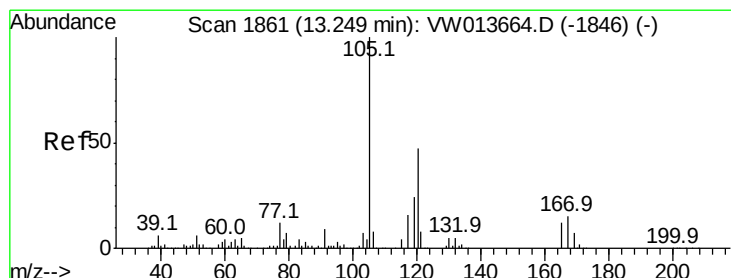
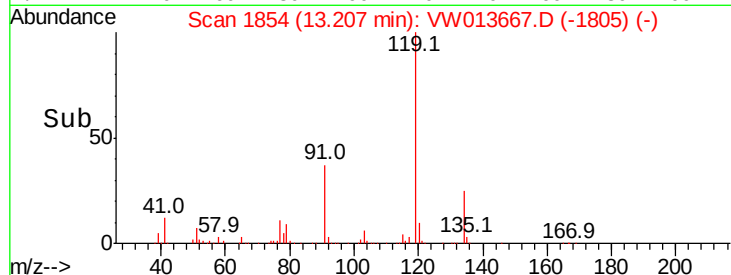
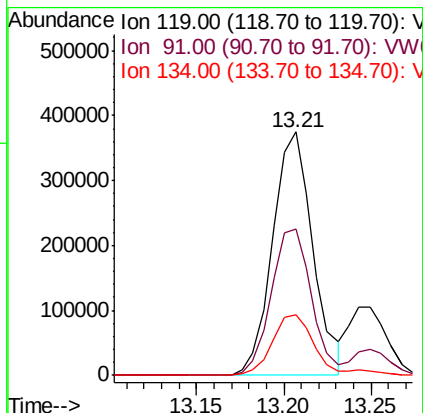
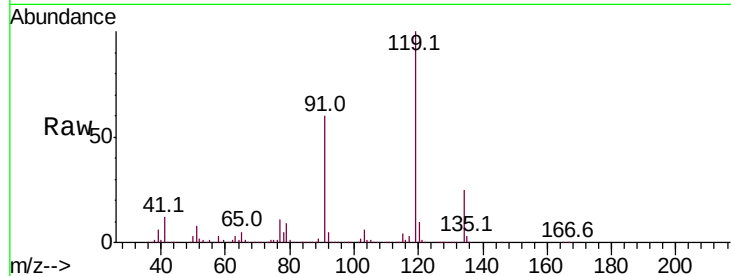
Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:119	Resp:	601551
Ion	Ratio	Lower Upper
119	100	
91	60.3	30.4 91.3
134	26.9	13.6 40.8



#84

1,2,4-Trimethylbenzene

Concen: 52.135 ug/l

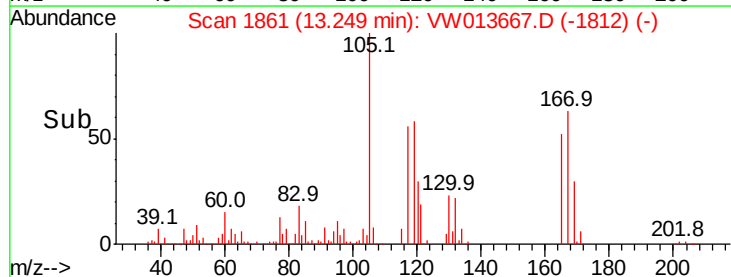
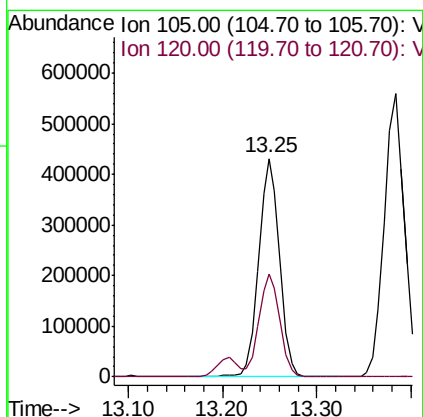
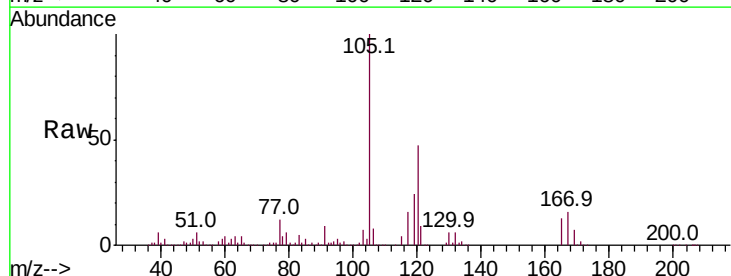
RT: 13.25 min Scan# 1861

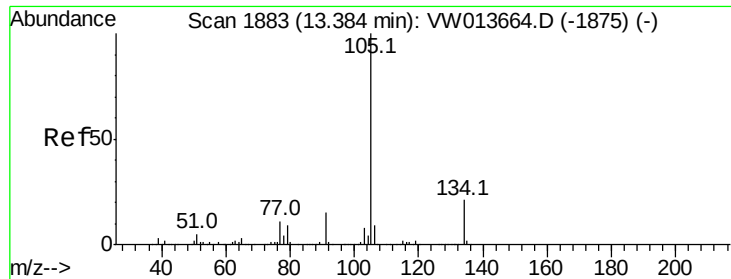
Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Tgt Ion:105	Resp:	669643
Ion	Ratio	Lower Upper
105	100	
120	47.4	23.5 70.5

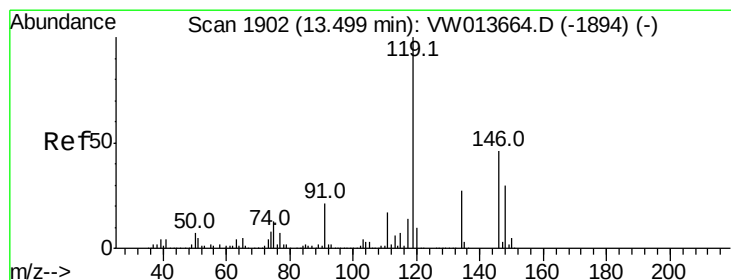
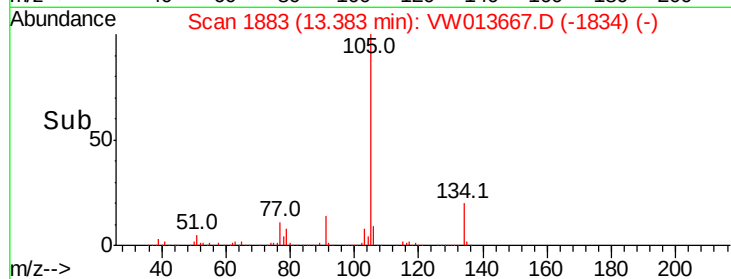
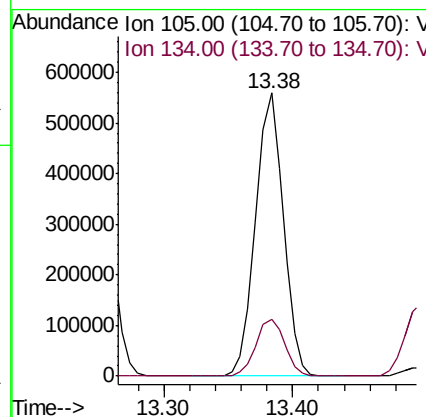
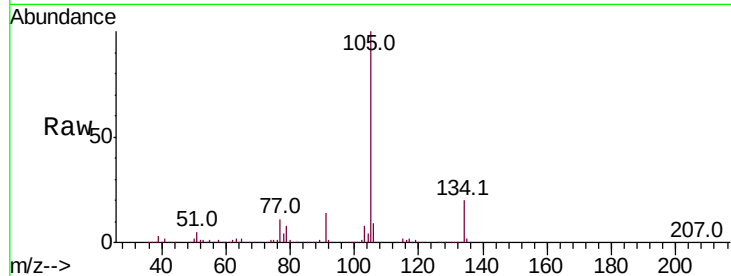




#85
 sec-Butylbenzene
 Concen: 52.734 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013667.D
 Acq: 23 Oct 2019 14:18

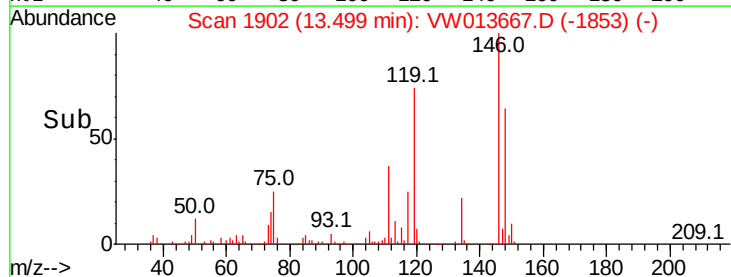
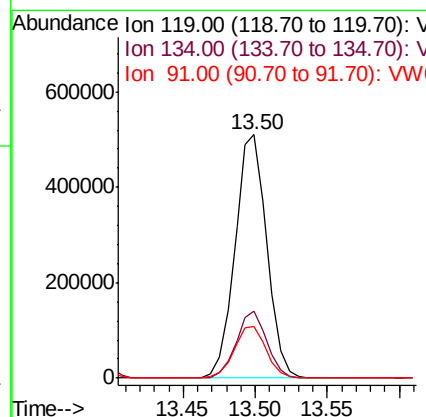
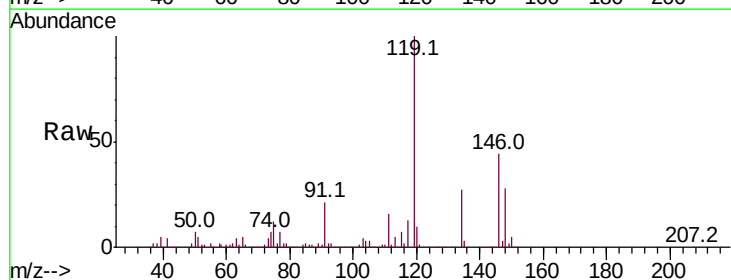
Instrument :
 MSVOA_W
 ClientSampled :

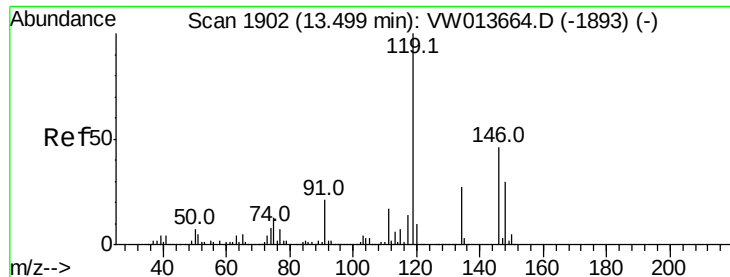
Tot Ion:105 Resp: 833462
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 52.927 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013667.D
 Acq: 23 Oct 2019 14:18

Tgt Ion:119 Resp: 779217
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.4 40.1
 91 21.2 10.8 32.3





#87

1,3-Dichlorobenzene

Concen: 50.795 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

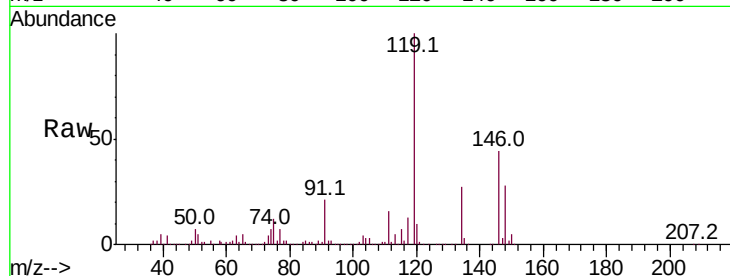
Tot Ion:146 Resp: 362640

Ion Ratio Lower Upper

146 100

111 37.7 18.6 56.0

148 64.8 31.7 95.1

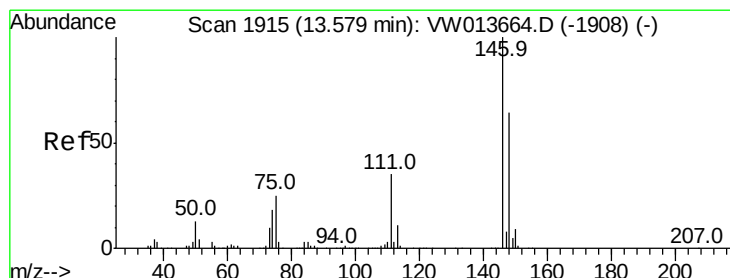
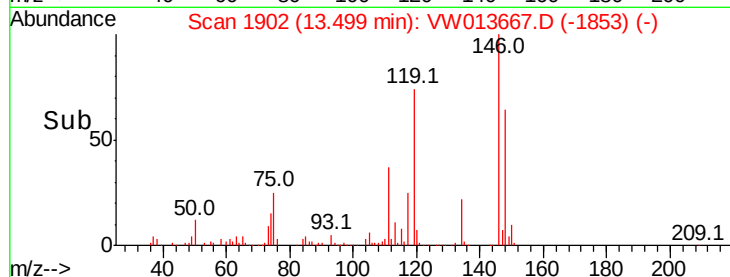
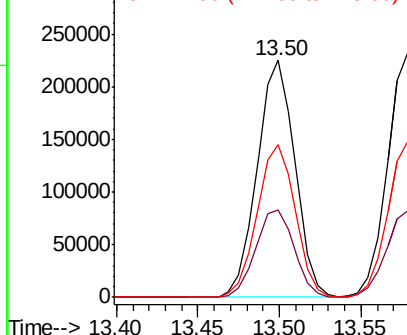


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 50.805 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

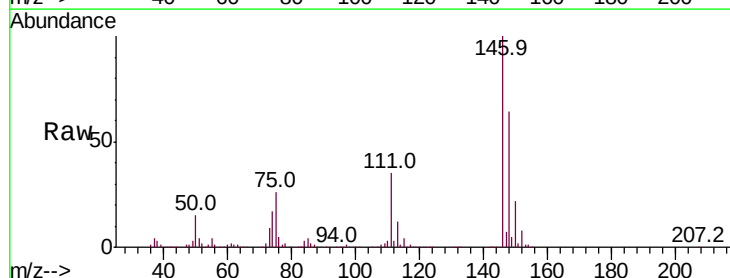
Tgt Ion:146 Resp: 360337

Ion Ratio Lower Upper

146 100

111 35.9 18.1 54.3

148 64.1 32.0 96.2

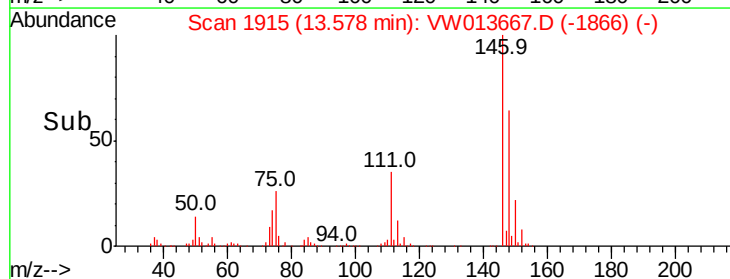
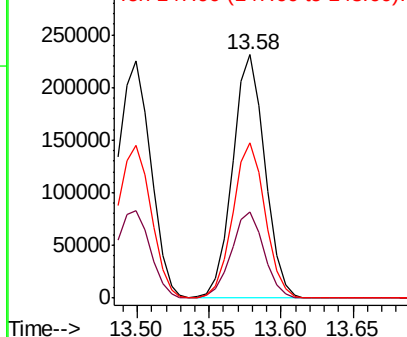


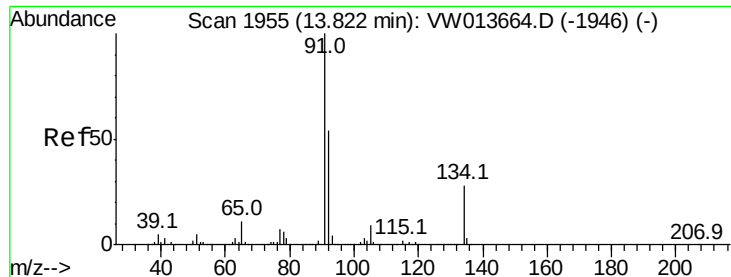
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

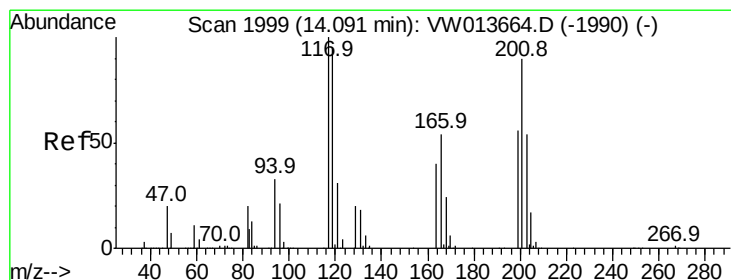
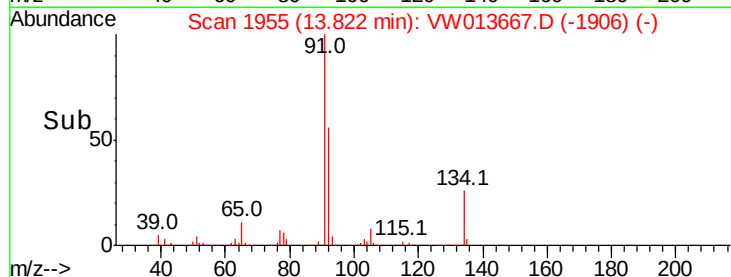
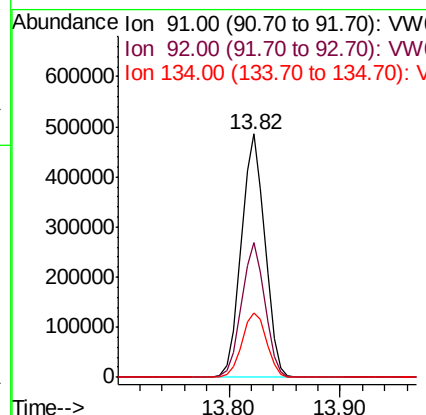
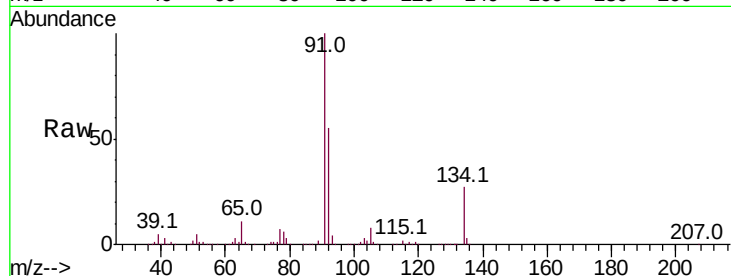




#89
n-Butylbenzene
Concen: 53.464 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

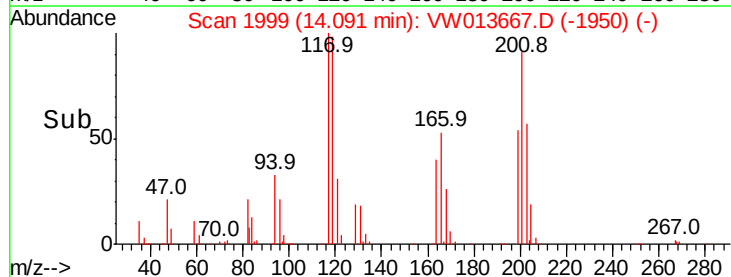
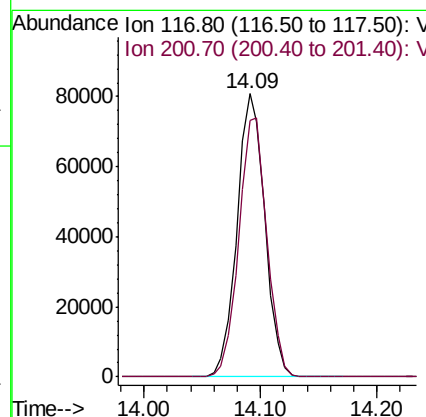
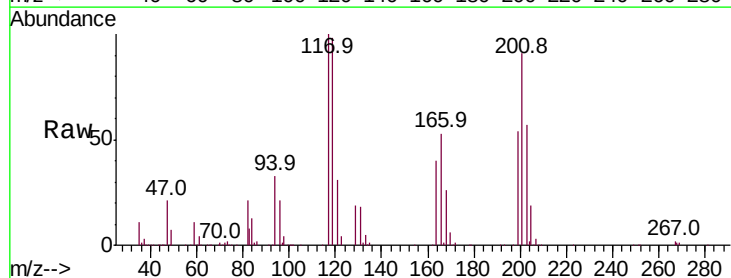
Instrument :
MSVOA_W
ClientSampled :

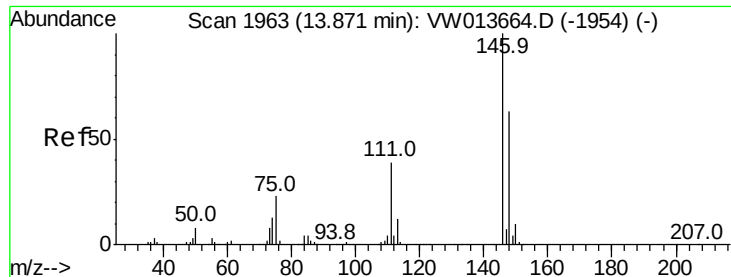
Tot Ion: 91 Resp: 710487
Ion Ratio Lower Upper
91 100
92 54.6 27.5 82.4
134 27.6 14.0 41.9



#90
Hexachloroethane
Concen: 52.398 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Tgt Ion: 117 Resp: 134088
Ion Ratio Lower Upper
117 100
201 92.2 46.1 138.2

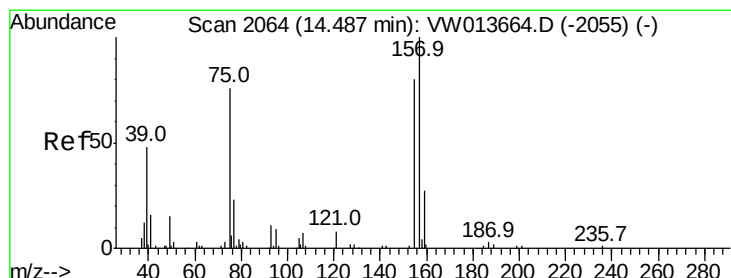
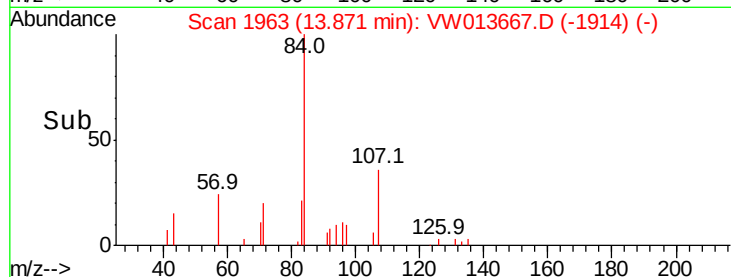
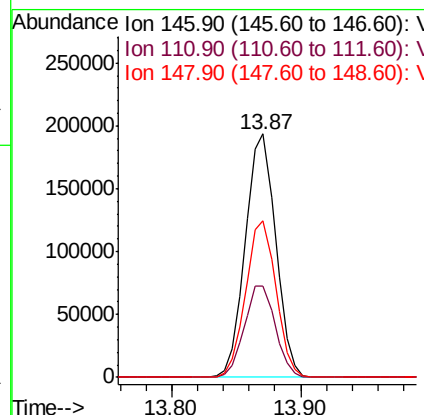
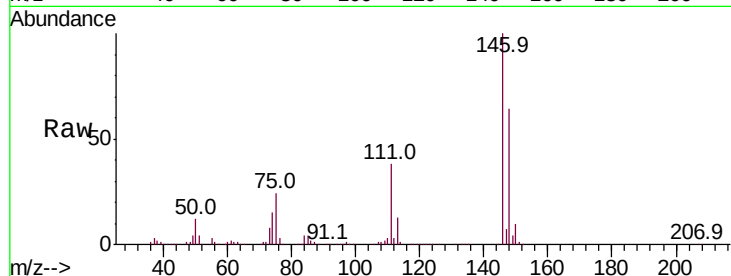




#91
 1,2-Dichlorobenzene
 Concen: 50.909 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013667.D
 Acq: 23 Oct 2019 14:18

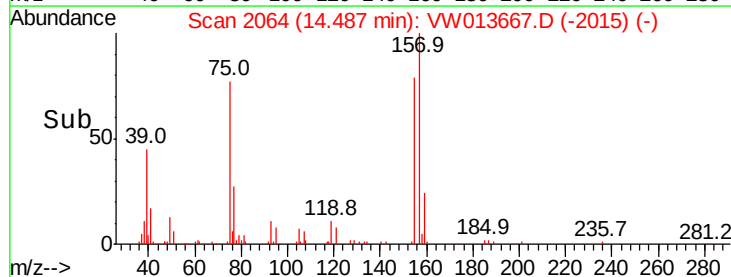
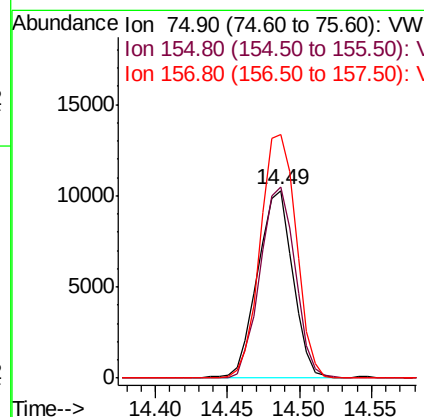
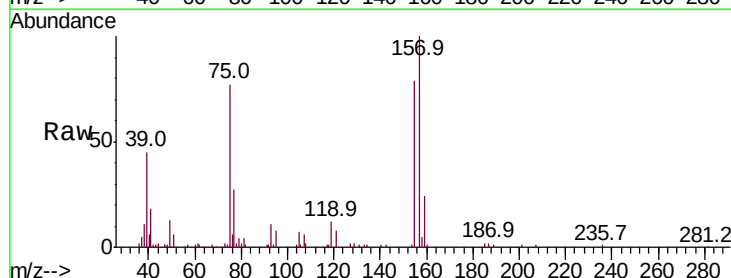
Instrument :
 MSVOA_W
 ClientSampled :

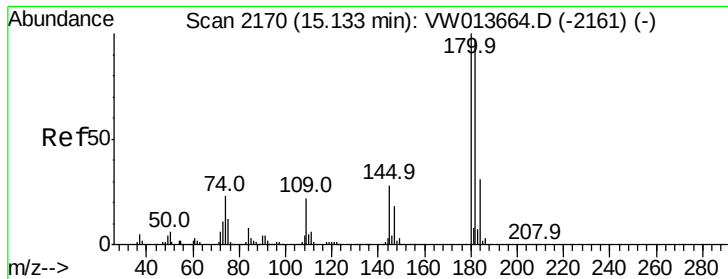
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.9	59.6
148	64.1	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.388 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW013667.D
 Acq: 23 Oct 2019 14:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.2	51.9	155.7
157	131.8	64.8	194.3

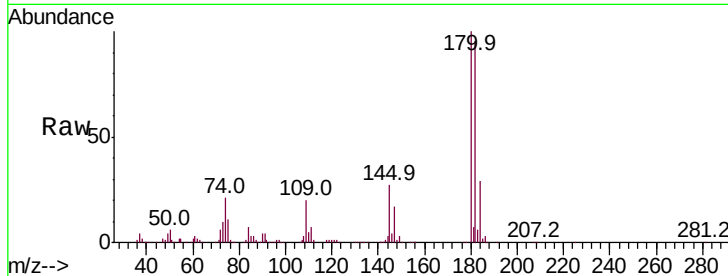




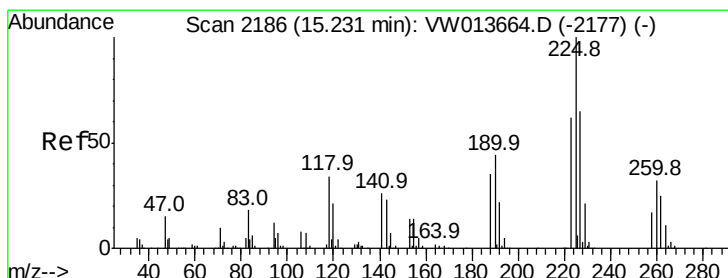
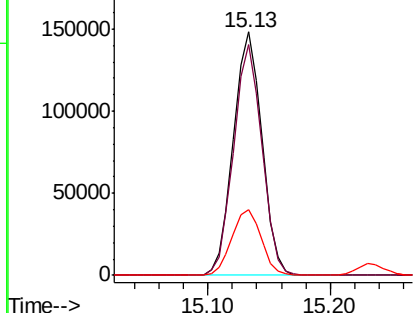
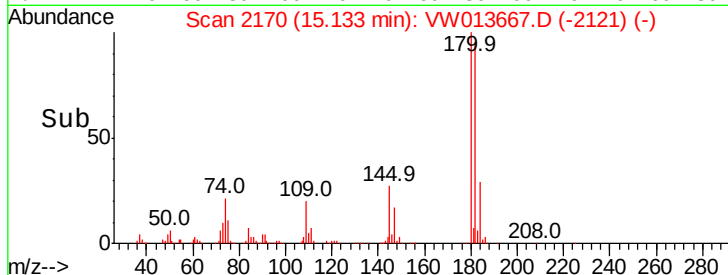
#93
 1,2,4-Trichlorobenzene
 Concen: 53.172 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013667.D
 Acq: 23 Oct 2019 14:18

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.4	142.2
145	27.8	14.1	42.3

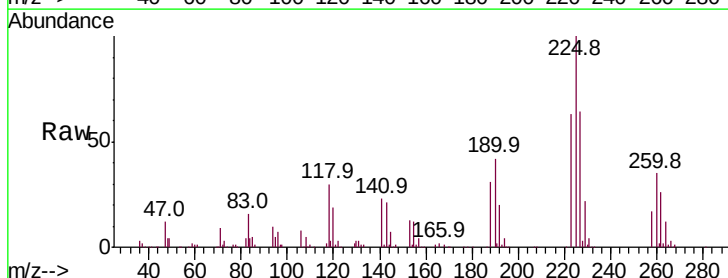


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

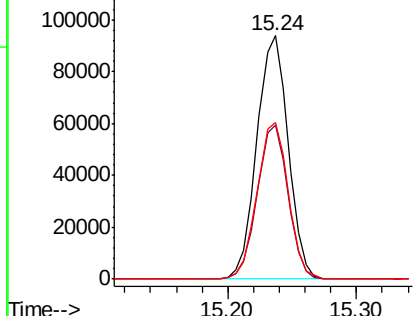
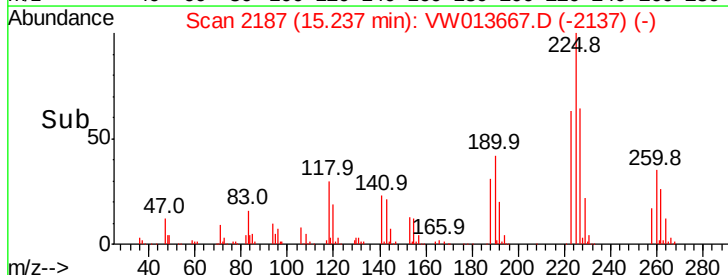


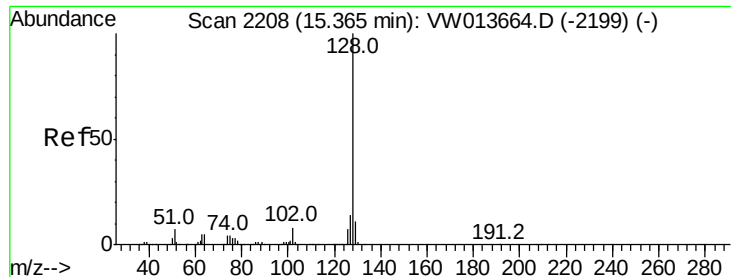
#94
 Hexachlorobutadiene
 Concen: 51.799 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW013667.D
 Acq: 23 Oct 2019 14:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.9	95.9
227	64.0	32.5	97.4



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

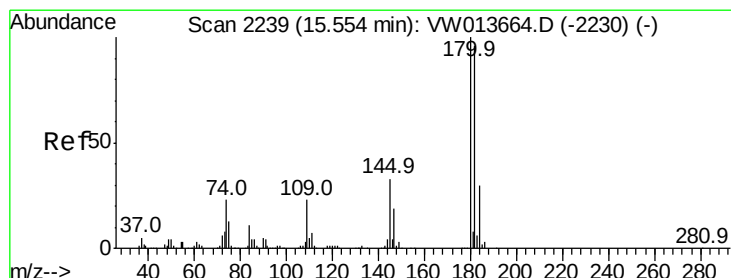
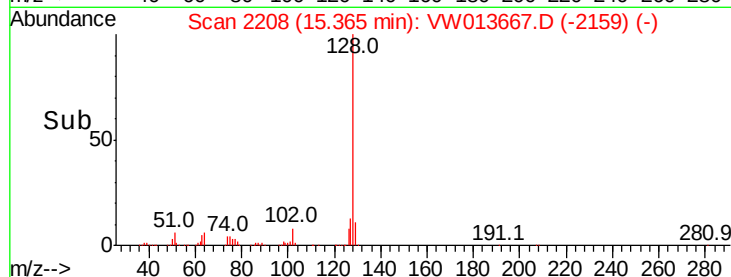
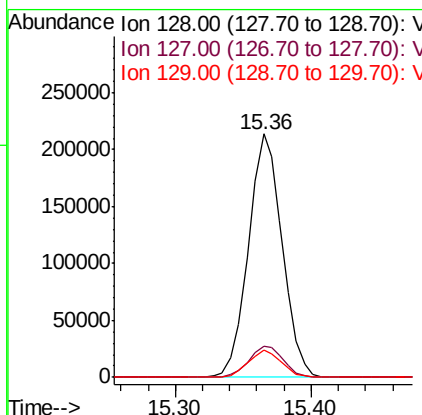
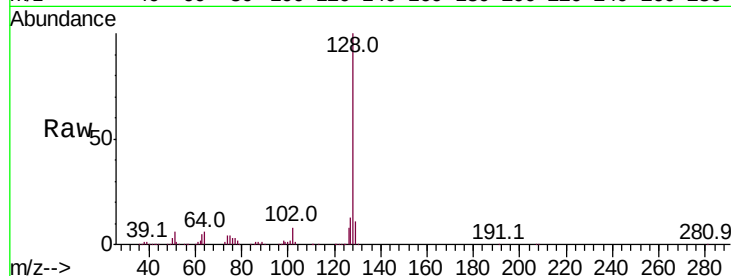




#95
Naphthalene
Concen: 52.360 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:128 Resp: 369831
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 51.417 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Tgt Ion:180 Resp: 199594
Ion Ratio Lower Upper
180 100
182 96.3 47.4 142.3
145 30.0 14.9 44.9

