

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102319\
 Data File : VW013663.D
 Acq On : 23 Oct 2019 12:16
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 23 13:55:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 13:51:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	355930	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	502472	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	427342	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	218816	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	49084	17.67	ug/l	0.00
Spiked Amount			Recovery	=	35.34%	
35) Dibromofluoromethane	7.88	113	50535	17.81	ug/l	0.00
Spiked Amount			Recovery	=	35.62%	
50) Toluene-d8	10.32	98	211295	17.76	ug/l	0.00
Spiked Amount			Recovery	=	35.52%	
62) 4-Bromofluorobenzene	12.62	95	71433	17.88	ug/l	0.00
Spiked Amount			Recovery	=	35.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	44027	35.243	ug/l	94
3) Chloromethane	2.21	50	42244	20.773	ug/l	100
4) Vinyl Chloride	2.37	62	66794	22.014	ug/l	95
5) Bromomethane	2.78	94	41581	22.667	ug/l	96
6) Chloroethane	2.92	64	38066	21.977	ug/l	97
7) Trichlorofluoromethane	3.26	101	40249	27.007	ug/l	99
8) Diethyl Ether	3.68	74	30393	20.181	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	64346	21.506	ug/l	98
10) Methyl Iodide	4.28	142	103120	21.622	ug/l	99
11) Tert butyl alcohol	5.21	59	16852	75.424	ug/l	98
12) 1,1-Dichloroethene	4.04	96	65143	20.970	ug/l	96
13) Acrolein	3.89	56	17014	79.628	ug/l	94
14) Allyl chloride	4.67	41	99466	20.824	ug/l	99
15) Acrylonitrile	5.37	53	62575	90.780	ug/l	99
16) Acetone	4.14	43	49701	78.648	ug/l	93
17) Carbon Disulfide	4.39	76	192836	22.037	ug/l	100
18) Methyl Acetate	4.68	43	31196	17.311	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	76852	16.922	ug/l	96
20) Methylene Chloride	4.92	84	70307	19.887	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	68995	20.838	ug/l	94
22) Diisopropyl ether	6.31	45	180158	20.181	ug/l	95
23) Vinyl Acetate	6.25	43	525801	98.626	ug/l	99
24) 1,1-Dichloroethane	6.22	63	114598	20.864	ug/l	98
25) 2-Butanone	7.18	43	79154	85.370	ug/l	97
26) 2,2-Dichloropropane	7.17	77	66484	19.204	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	74028	21.098	ug/l	99
28) Bromochloromethane	7.51	49	29475	15.034	ug/l #	98
29) Tetrahydrofuran	7.53	42	51999	91.867	ug/l	99
30) Chloroform	7.67	83	112805	21.258	ug/l	96
31) Cyclohexane	7.96	56	120558	20.825	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	91165	21.236	ug/l	97
36) 1,1-Dichloropropene	8.08	75	97004	21.226	ug/l	99
37) Ethyl Acetate	7.25	43	37253	18.431	ug/l	99
38) Carbon Tetrachloride	8.07	117	86393	21.369	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	123885	20.910	ug/l	92
40) Benzene	8.32	78	271443	21.231	ug/l	98
41) Methacrylonitrile	7.49	41	21018	18.181	ug/l	97
42) 1,2-Dichloroethane	8.40	62	67769	20.960	ug/l	99
43) Isopropyl Acetate	8.42	43	69539	18.869	ug/l	99
44) Trichloroethene	9.09	130	77199	21.160	ug/l	99
45) 1,2-Dichloropropane	9.37	63	64286	20.925	ug/l	99
46) Dibromomethane	9.46	93	30528	20.012	ug/l	98
47) Bromodichloromethane	9.64	83	78489	20.594	ug/l	99
48) Methyl methacrylate	9.43	41	35486	19.434	ug/l	97
49) 1,4-Dioxane	9.47	88	9716	374.234	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	172199	89.514	ug/l	99
52) Toluene	10.38	92	173670	21.078	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	79340	20.090	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	99508	20.734	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	45370	19.872	ug/l	96
56) Ethyl methacrylate	10.65	69	58016	19.108	ug/l	99
57) 1,3-Dichloropropane	10.93	76	79592	20.274	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	121846	85.344	ug/l	98
59) 2-Hexanone	10.97	43	116194	88.294	ug/l	99
60) Dibromochloromethane	11.13	129	53900	20.512	ug/l	99
61) 1,2-Dibromoethane	11.24	107	44000	20.247	ug/l	98
64) Tetrachloroethene	10.86	164	67773	21.404	ug/l	94
65) Chlorobenzene	11.66	112	178679	20.927	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	62759	21.109	ug/l	98
67) Ethyl Benzene	11.73	91	326753	20.917	ug/l	98
68) m/p-Xylenes	11.84	106	257107	43.266	ug/l	96
69) o-Xylene	12.16	106	117358	21.336	ug/l	97
70) Styrene	12.18	104	197464	20.921	ug/l	99
71) Bromoform	12.35	173	32139	19.873	ug/l #	99
73) Isopropylbenzene	12.46	105	324021	20.631	ug/l	99
74) N-amyl acetate	12.27	43	62675	18.585	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	50262	19.002	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	64386	35.815	ug/l #	100
77) Bromobenzene	12.75	156	76093	20.374	ug/l	99
78) n-propylbenzene	12.80	91	380460	20.940	ug/l	99
79) 2-Chlorotoluene	12.89	91	208116	20.408	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	273201	20.834	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16741	18.977	ug/l	98
82) 4-Chlorotoluene	12.99	91	219107	20.653	ug/l	99
83) tert-Butylbenzene	13.21	119	243752	20.933	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	271959	20.970	ug/l	100
85) sec-Butylbenzene	13.38	105	332862	20.767	ug/l	100
86) p-Isopropyltoluene	13.50	119	310519	21.033	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	149529	21.061	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	149876	21.540	ug/l	99
89) n-Butylbenzene	13.82	91	282453	21.187	ug/l	100
90) Hexachloroethane	14.09	117	51864	20.394	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	129645	20.747	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7750	18.494	ug/l	97

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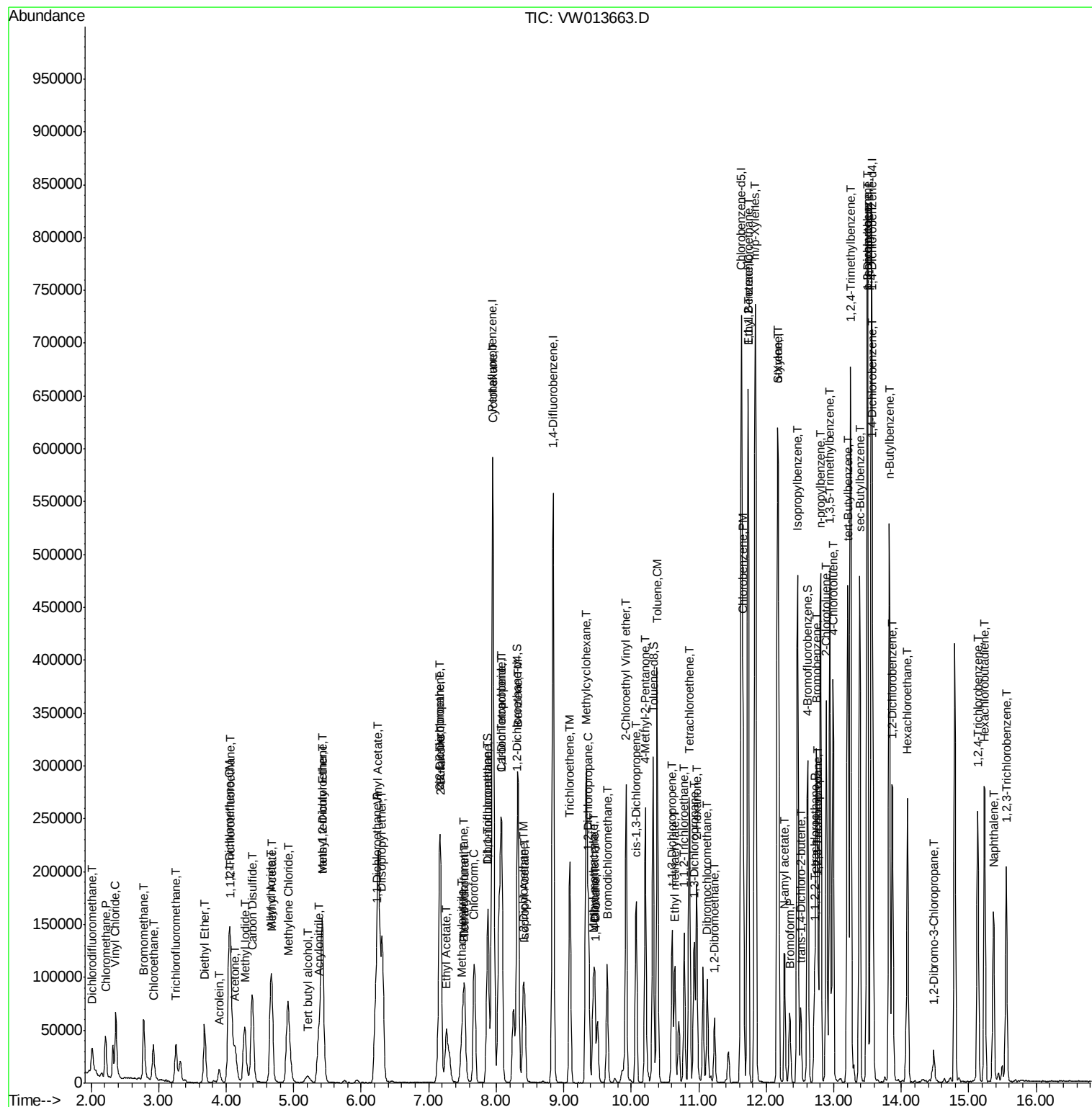
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	92925	20.934	ug/l	98
94) Hexachlorobutadiene	15.23	225	64476	21.865	ug/l	98
95) Naphthalene	15.36	128	148221	19.522	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	80413	20.705	ug/l	99

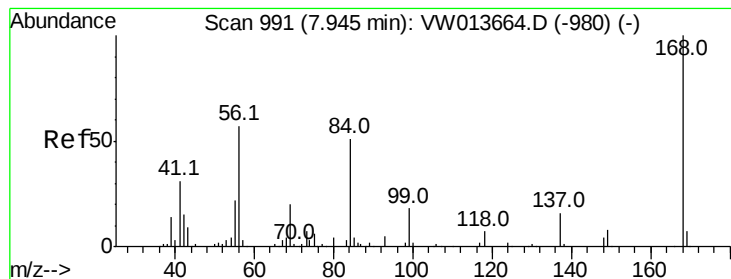
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

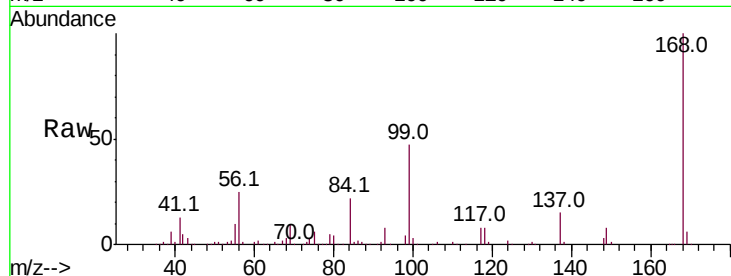
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 355930

Ion Ratio Lower Upper

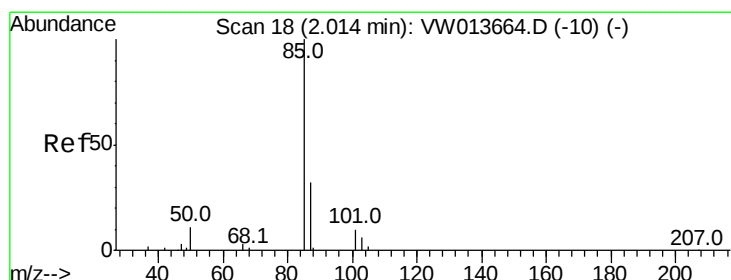
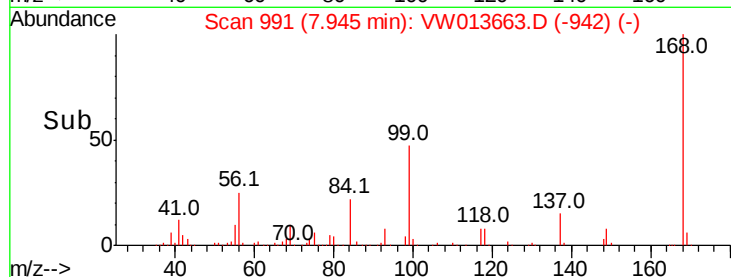
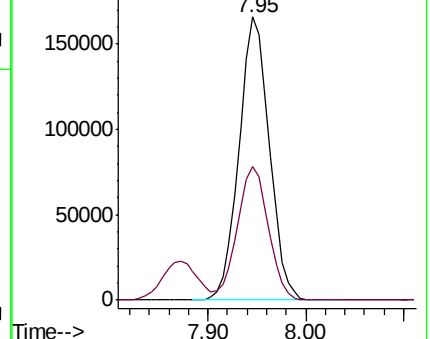
168 100

99 47.0 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 35.243 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW013663.D

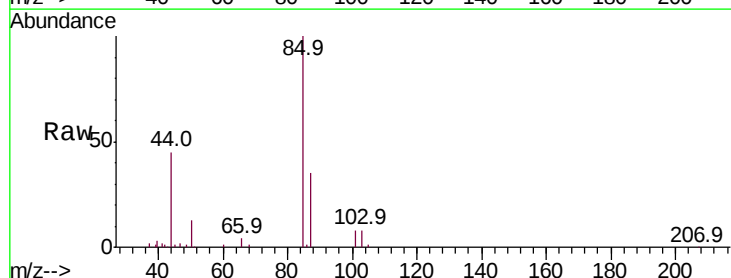
Acq: 23 Oct 2019 12:16

Tgt Ion: 85 Resp: 44027

Ion Ratio Lower Upper

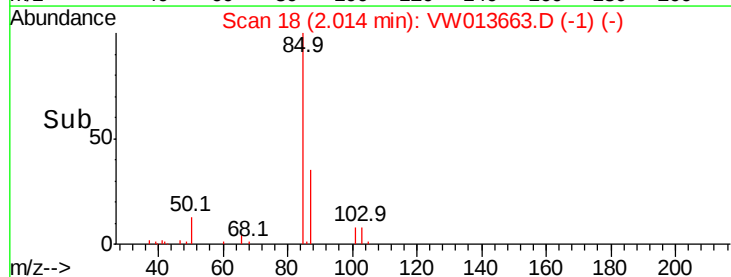
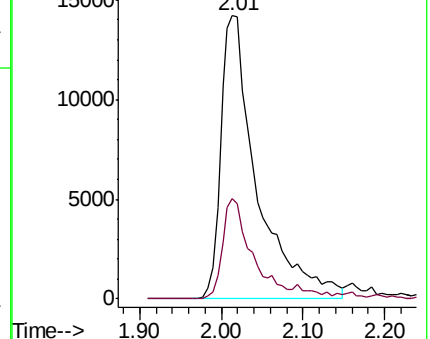
85 100

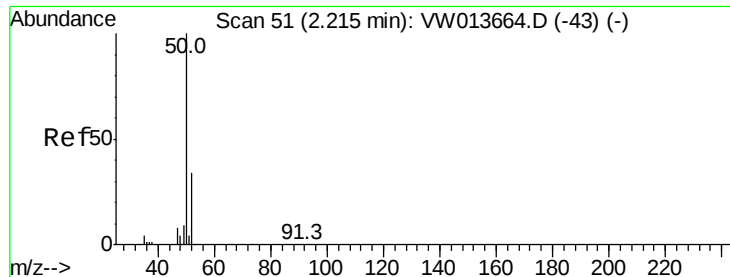
87 35.5 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 20.773 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

Instrument :

MSVOA_W

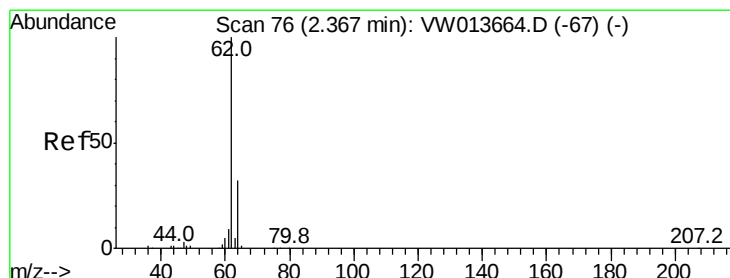
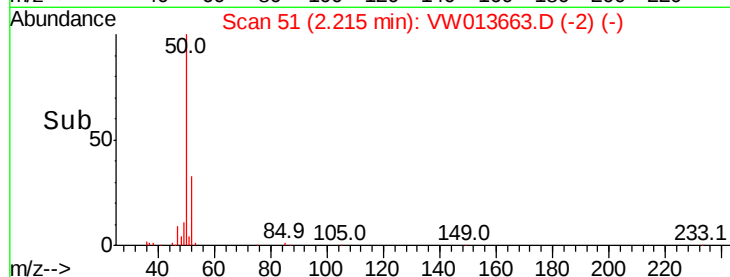
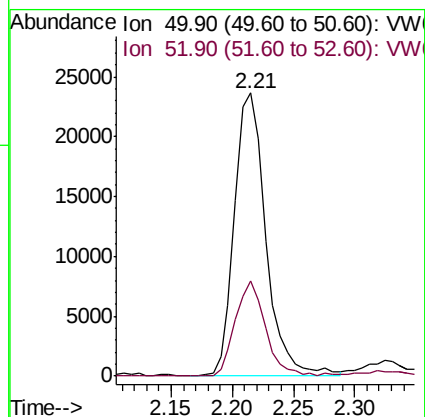
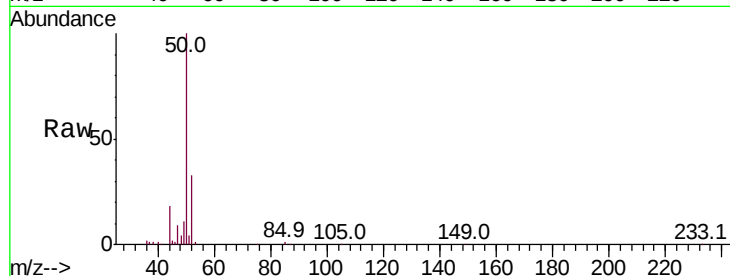
ClientSampled :

Tot Ion: 50 Resp: 42244

Ion Ratio Lower Upper

50 100

52 33.4 26.9 40.3



#4

Vinyl Chloride

Concen: 22.014 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW013663.D

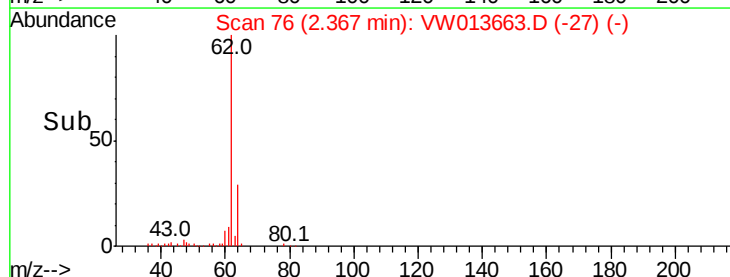
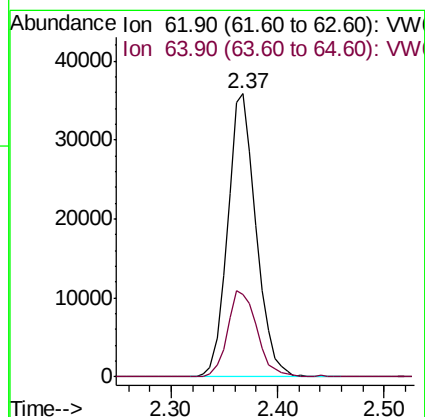
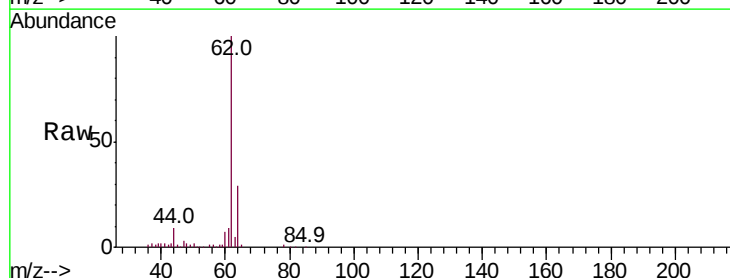
Acq: 23 Oct 2019 12:16

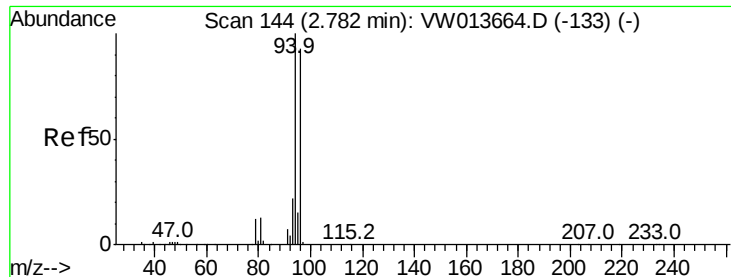
Tgt Ion: 62 Resp: 66794

Ion Ratio Lower Upper

62 100

64 29.2 25.5 38.3





#5

Bromomethane

Concen: 22.667 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

Instrument :

MSVOA_W

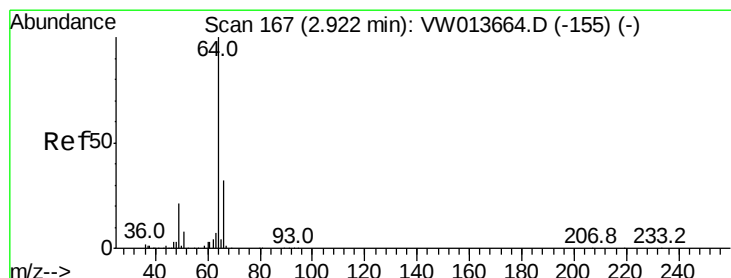
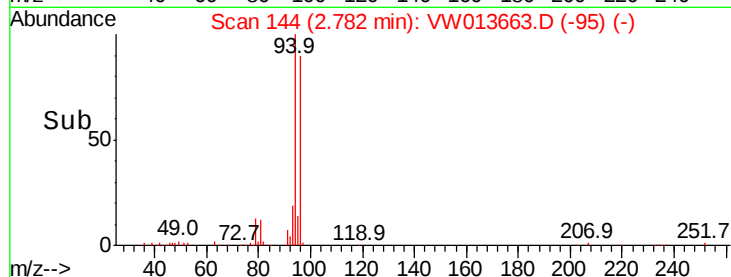
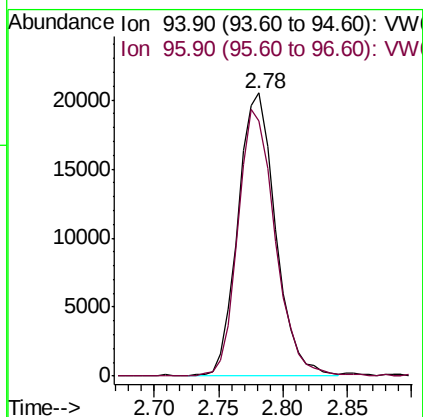
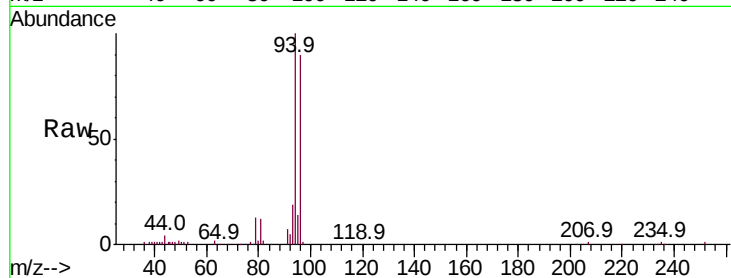
ClientSampled :

Tot Ion: 94 Resp: 41581

Ion Ratio Lower Upper

94 100

96 89.8 74.6 112.0



#6

Chloroethane

Concen: 21.977 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013663.D

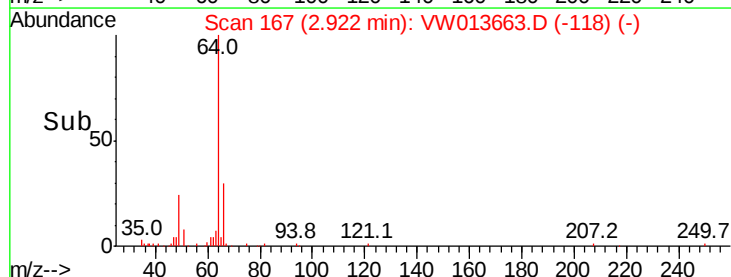
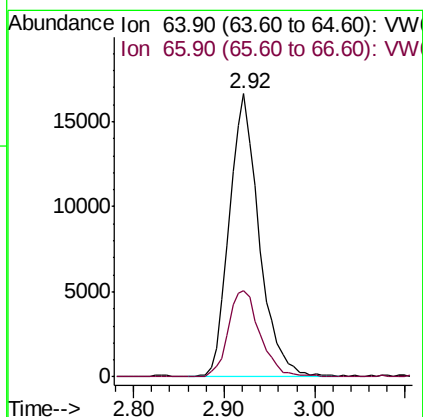
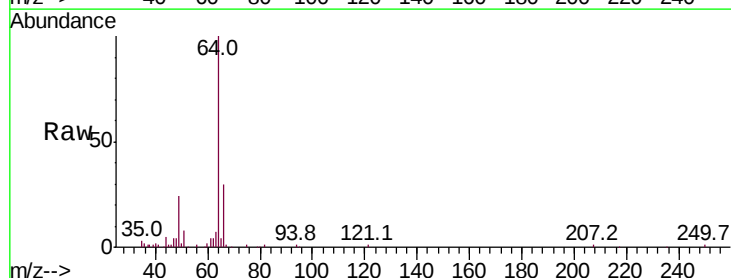
Acq: 23 Oct 2019 12:16

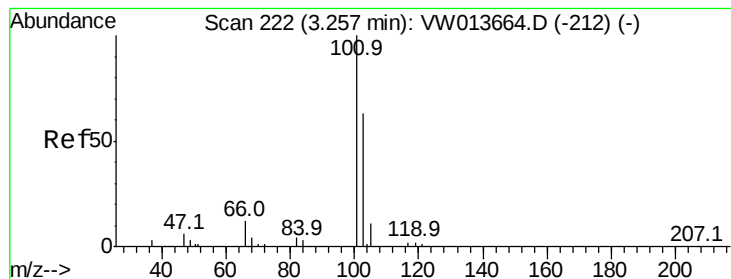
Tgt Ion: 64 Resp: 38066

Ion Ratio Lower Upper

64 100

66 30.3 25.4 38.0



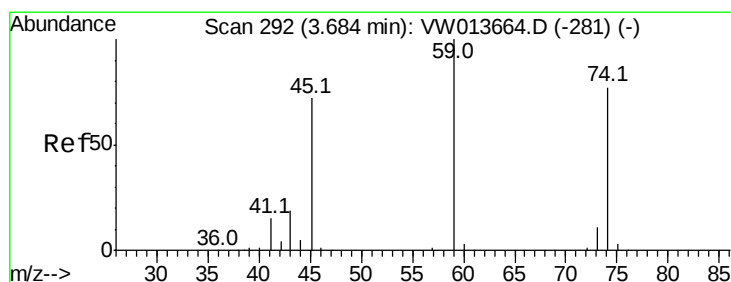
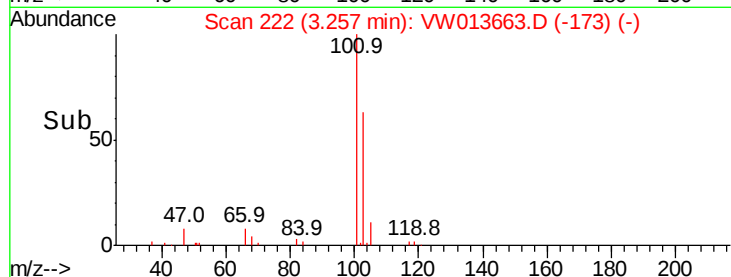
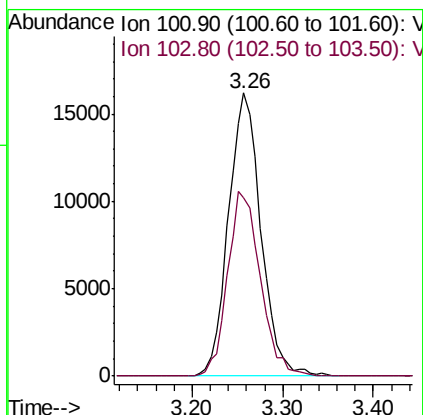
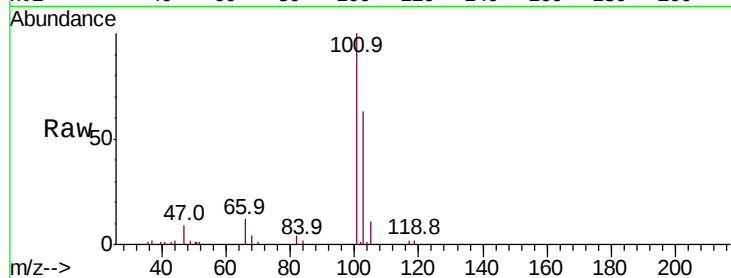


#7

Trichlorofluoromethane
 Concen: 27.007 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW013663.D
 Acq: 23 Oct 2019 12:16

Instrument :
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 ClientSampleId :

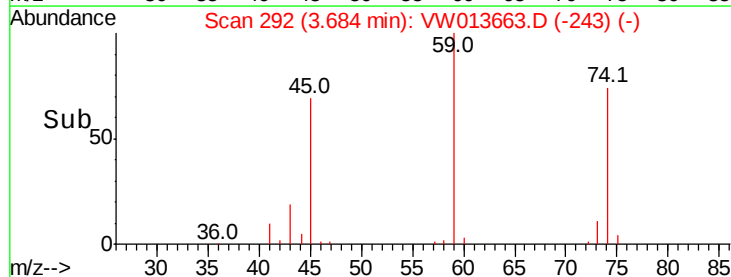
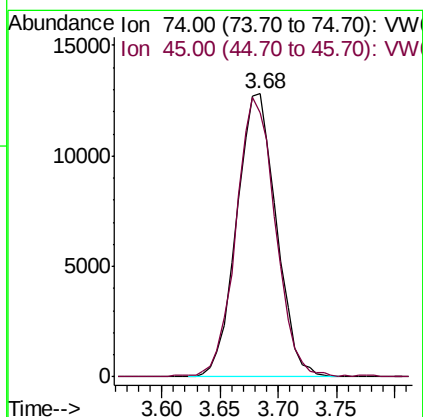
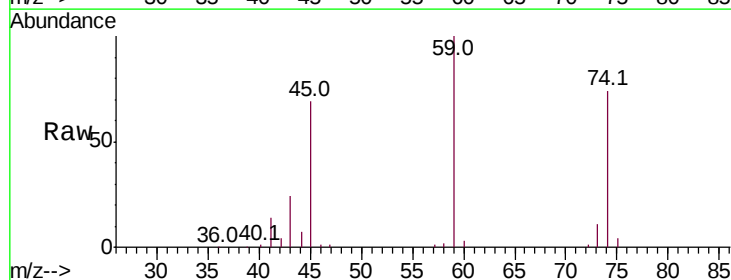
Tot Ion:101 Resp: 40249
 Ion Ratio Lower Upper
 101 100
 103 62.8 50.6 76.0

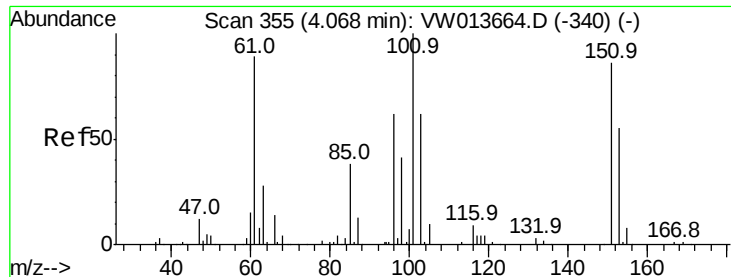


#8

Diethyl Ether
 Concen: 20.181 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW013663.D
 Acq: 23 Oct 2019 12:16

Tgt Ion: 74 Resp: 30393
 Ion Ratio Lower Upper
 74 100
 45 98.5 47.9 143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.506 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

Instrument :

MSVOA_W

ClientSampleId :

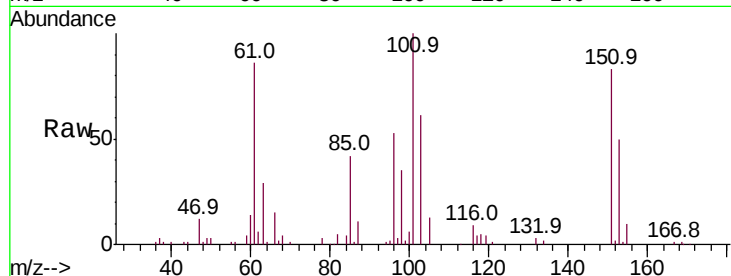
Tot Ion:101 Resp: 64346

Ion Ratio Lower Upper

101 100

85 40.7 31.0 46.6

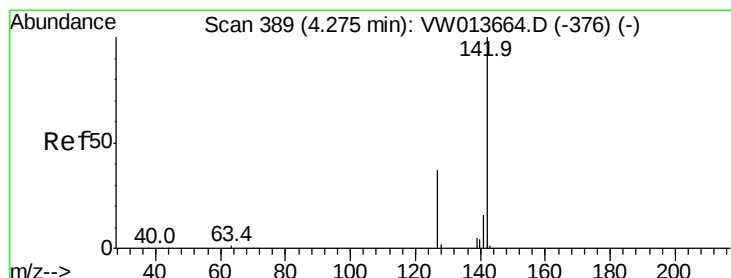
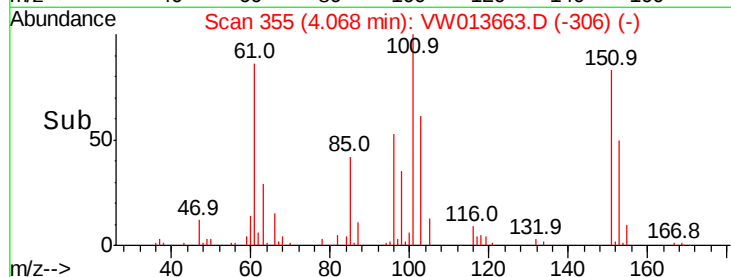
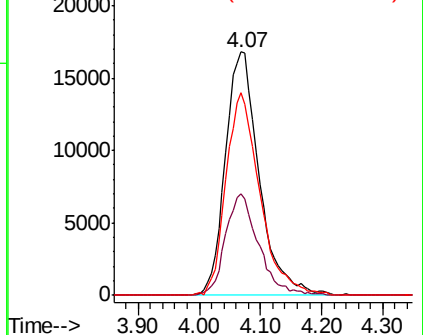
151 83.4 68.2 102.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.622 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.00 min

Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

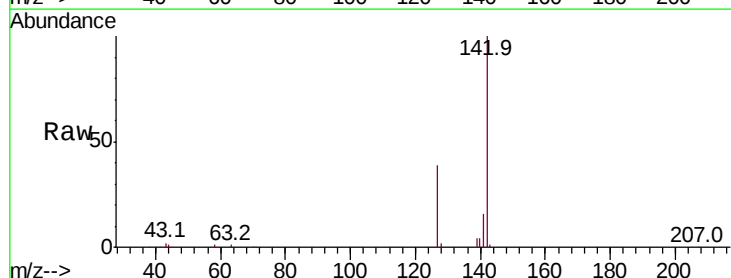
Tgt Ion:142 Resp: 103120

Ion Ratio Lower Upper

142 100

127 38.6 30.3 45.5

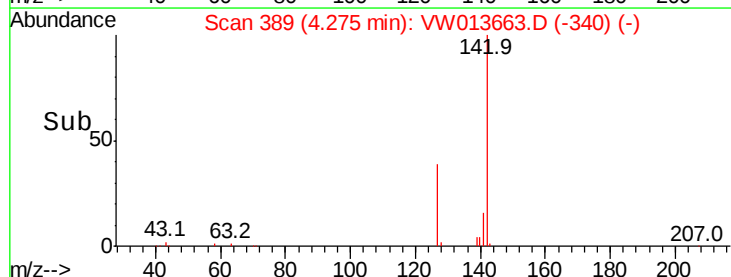
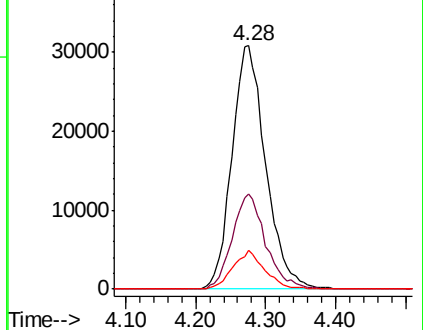
141 14.6 11.8 17.8

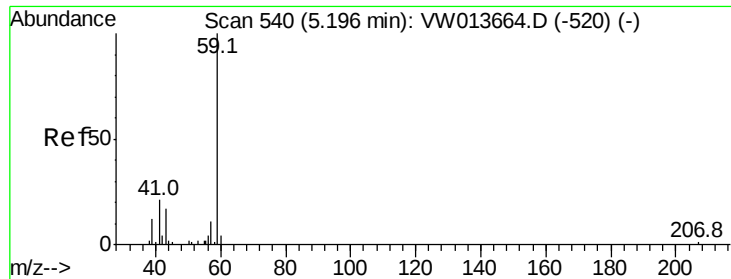


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 75.424 ug/l

RT: 5.21 min Scan# 543

Delta R.T. 0.02 min

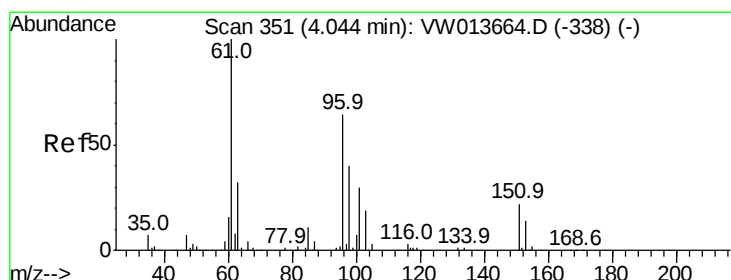
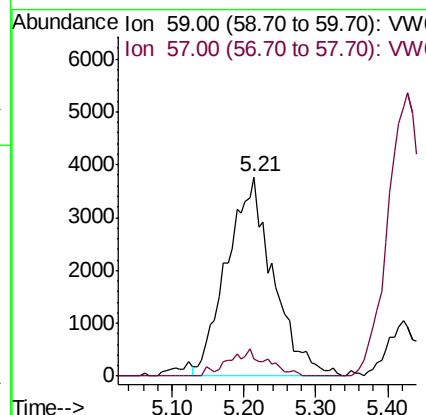
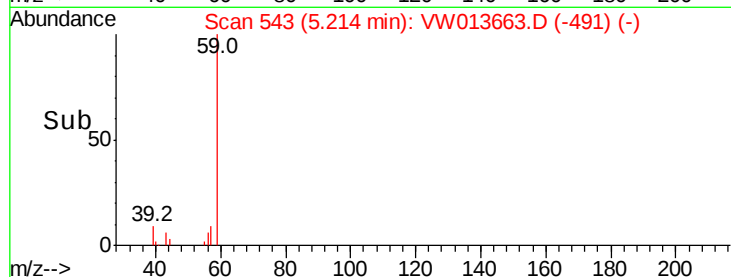
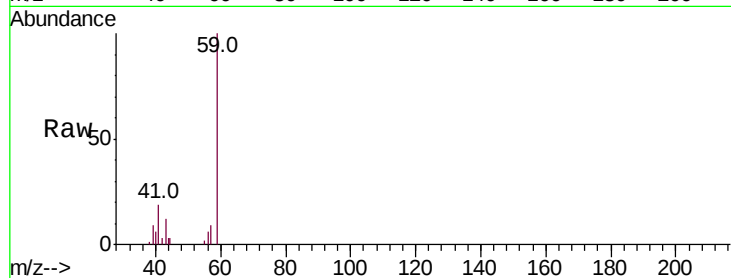
Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 59 Resp: 16852

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.8	13.2



#12

1,1-Dichloroethene

Concen: 20.970 ug/l

RT: 4.04 min Scan# 351

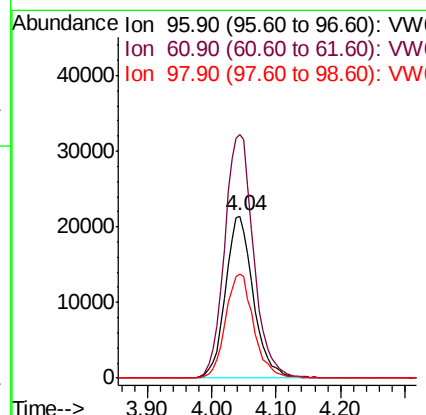
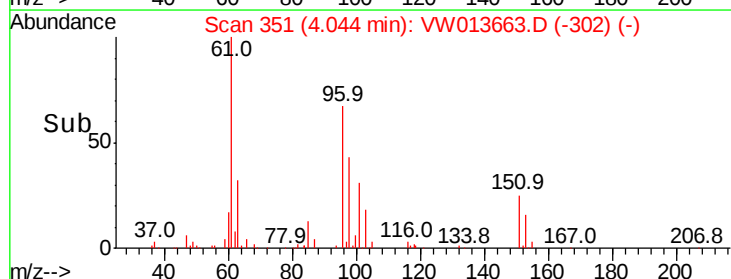
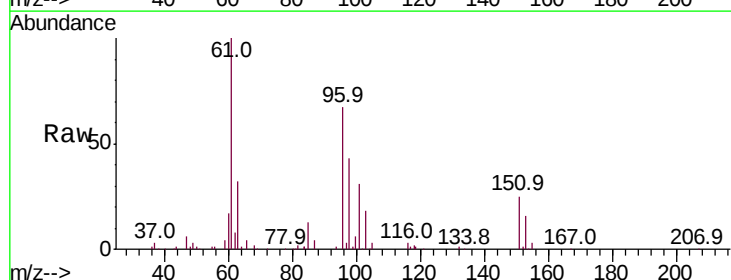
Delta R.T. -0.00 min

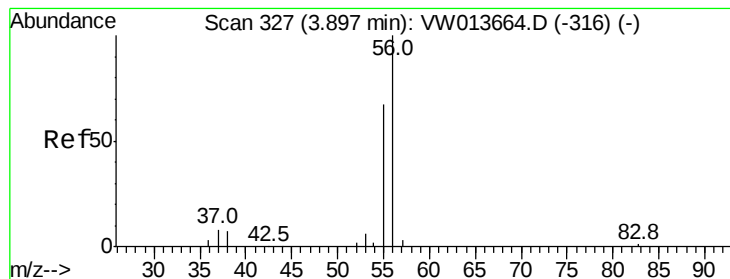
Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

Tgt Ion: 96 Resp: 65143

Ion	Ratio	Lower	Upper
96	100		
61	150.2	125.0	187.6
98	64.0	50.3	75.5





#13

Acrolein

Concen: 79.628 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

Instrument :

MSVOA_W

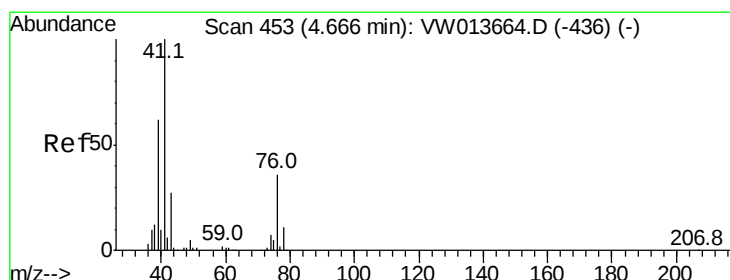
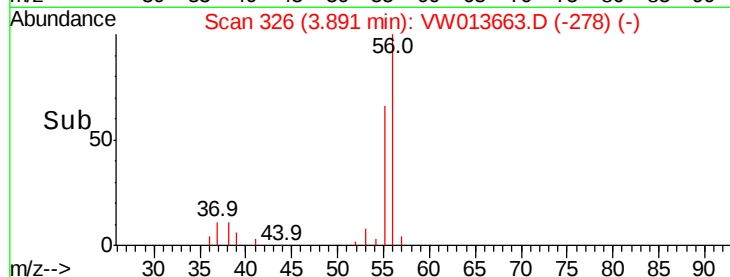
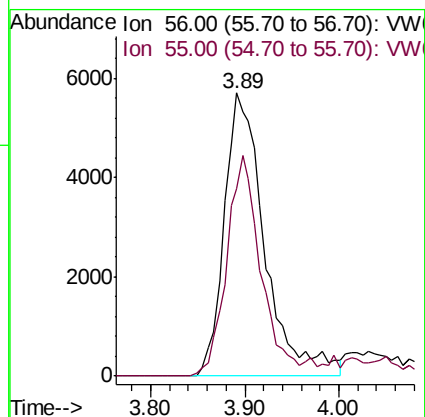
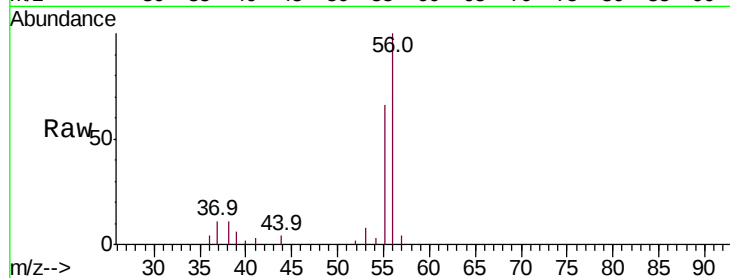
ClientSampleId :

Tot Ion: 56 Resp: 17014

Ion Ratio Lower Upper

56 100

55 65.2 56.1 84.1



#14

Allyl chloride

Concen: 20.824 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

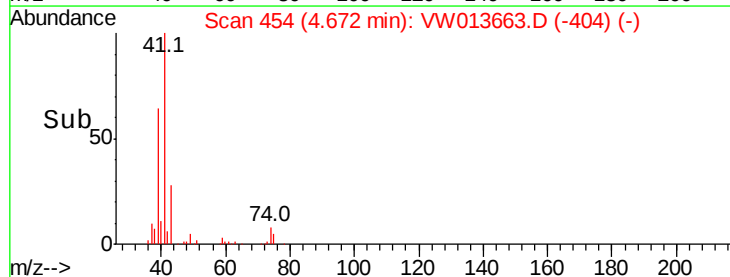
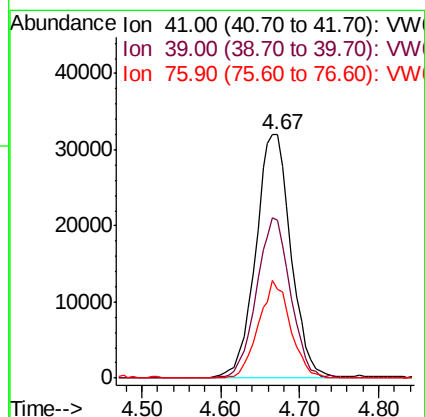
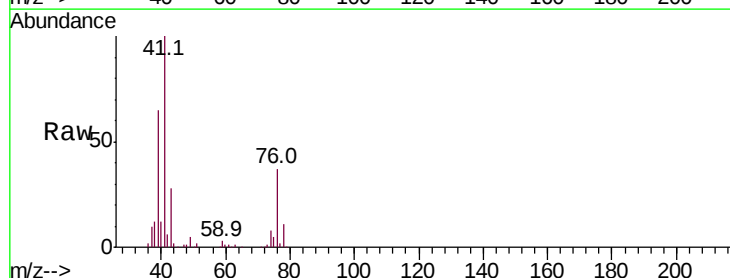
Tgt Ion: 41 Resp: 99466

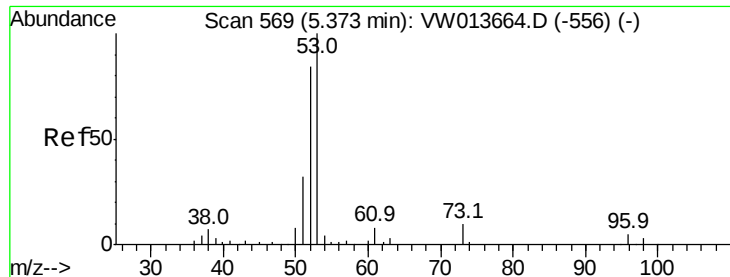
Ion Ratio Lower Upper

41 100

39 63.1 50.0 75.0

76 36.1 29.6 44.4





#15

Acrylonitrile

Concen: 90.780 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

Instrument :
MSVOA_W
ClientSampled :

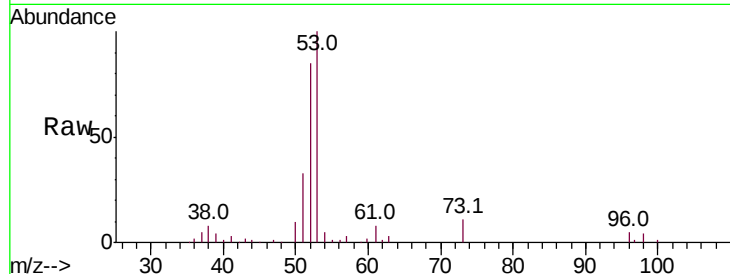
Tot Ion: 53 Resp: 62575

Ion Ratio Lower Upper

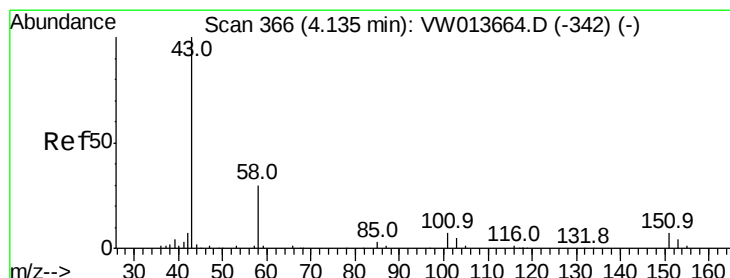
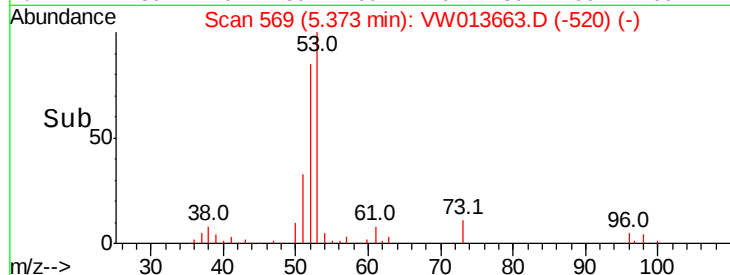
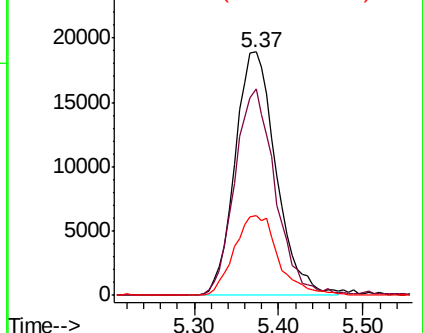
53 100

52 83.8 67.4 101.0

51 35.5 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: 78.648 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.00 min

Lab File: VW013663.D

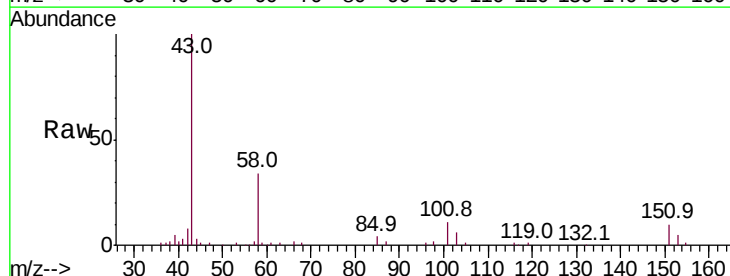
Acq: 23 Oct 2019 12:16

Tgt Ion: 43 Resp: 49701

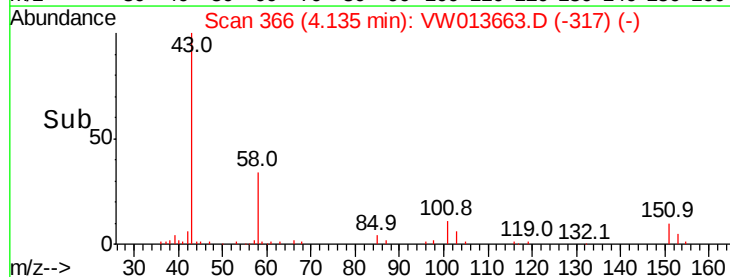
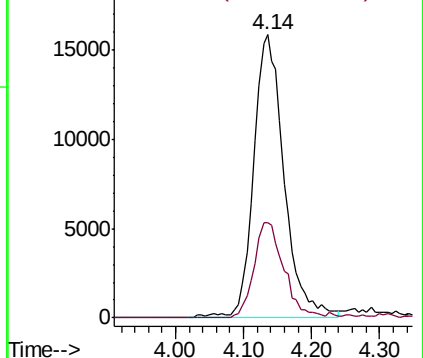
Ion Ratio Lower Upper

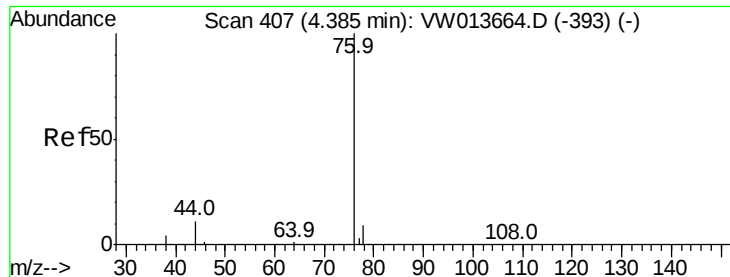
43 100

58 33.7 24.1 36.1



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

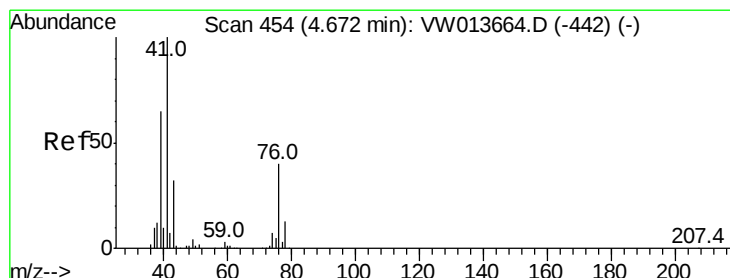
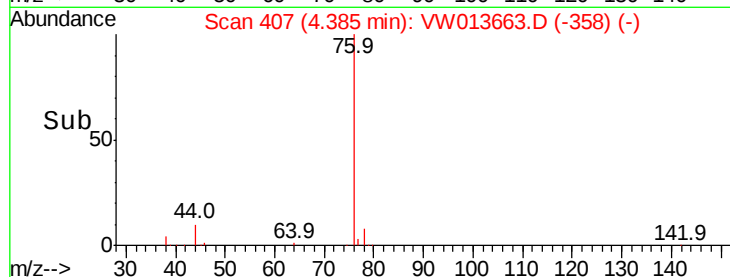
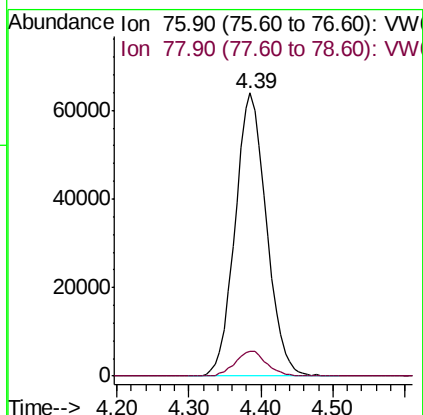
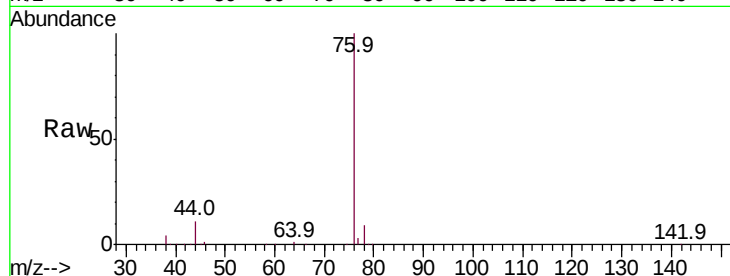




#17
Carbon Disulfide
Concen: 22.037 ug/l
RT: 4.39 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW013663.D
Acq: 23 Oct 2019 12:16

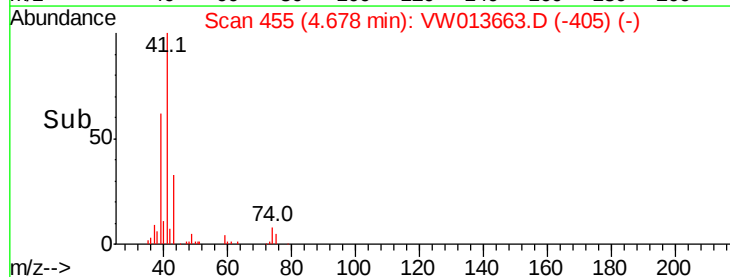
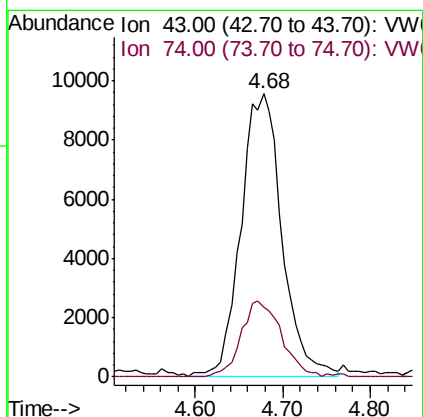
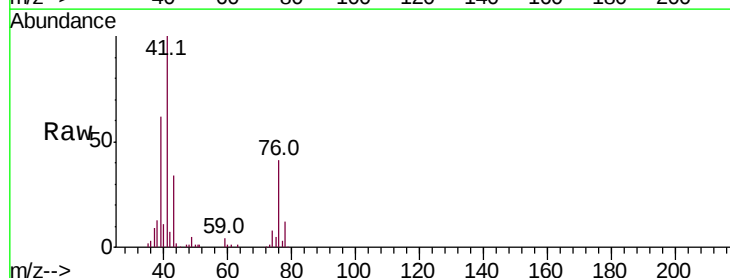
Instrument :
MSVOA_W
ClientSampleId :

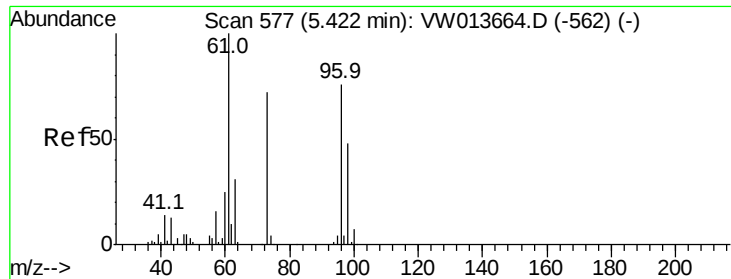
Tot Ion: 76 Resp: 192836
Ion Ratio Lower Upper
76 100
78 8.6 7.0 10.6



#18
Methyl Acetate
Concen: 17.311 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW013663.D
Acq: 23 Oct 2019 12:16

Tgt Ion: 43 Resp: 31196
Ion Ratio Lower Upper
43 100
74 26.2 19.8 29.8

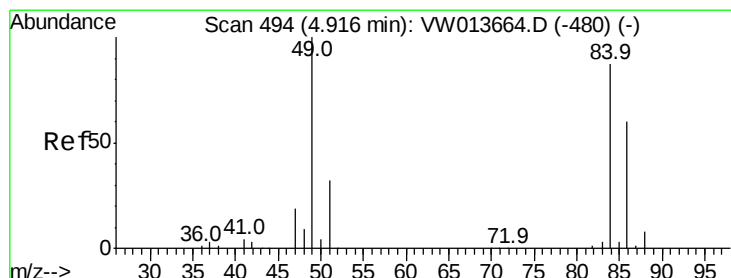
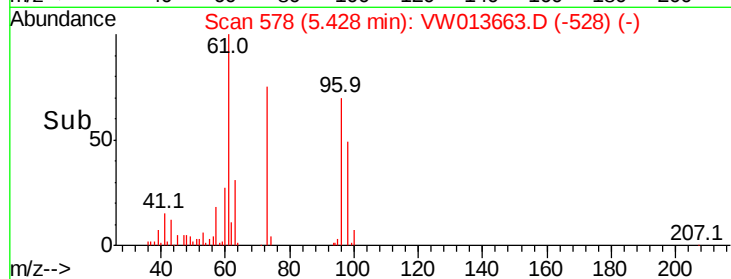
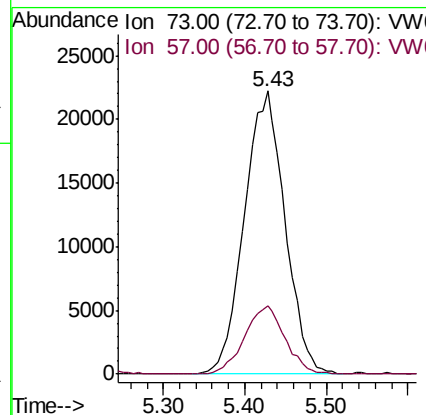
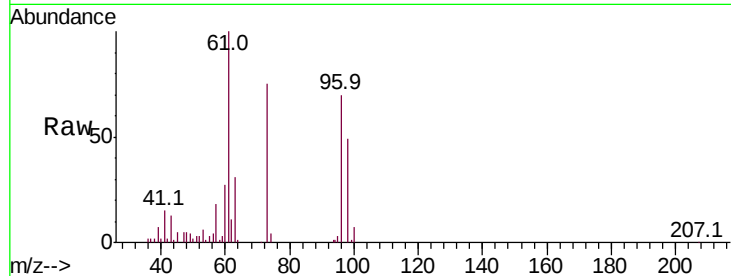




#19
Methvl tert-butvl Ether
Concen: 16.922 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW013663.D
Acq: 23 Oct 2019 12:16

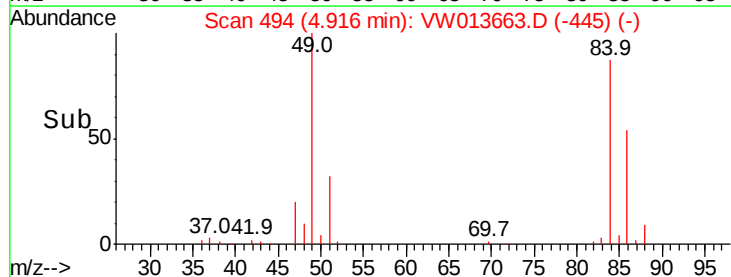
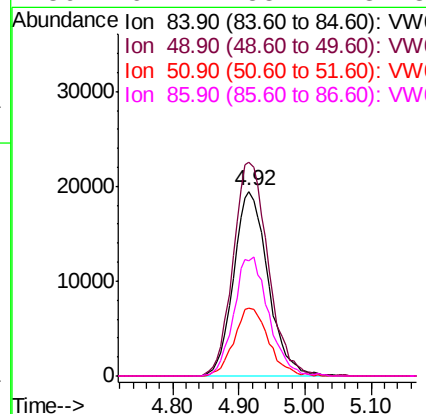
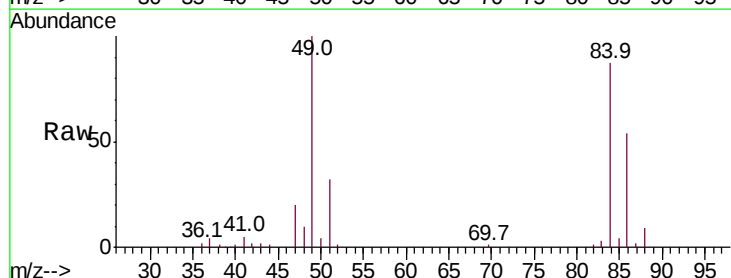
Instrument :
MSVOA_W
ClientSampleId :

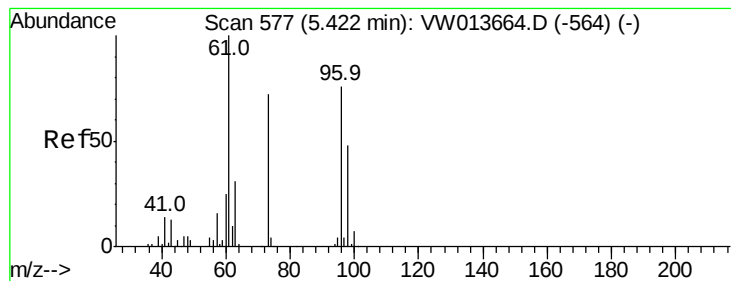
Tot Ion: 73 Resp: 76852
Ion Ratio Lower Upper
73 100
57 24.1 17.6 26.4



#20
Methylene Chloride
Concen: 19.887 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW013663.D
Acq: 23 Oct 2019 12:16

Tgt Ion: 84 Resp: 70307
Ion Ratio Lower Upper
84 100
49 115.5 91.8 137.6
51 37.0 29.8 44.6
86 62.1 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 20.838 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

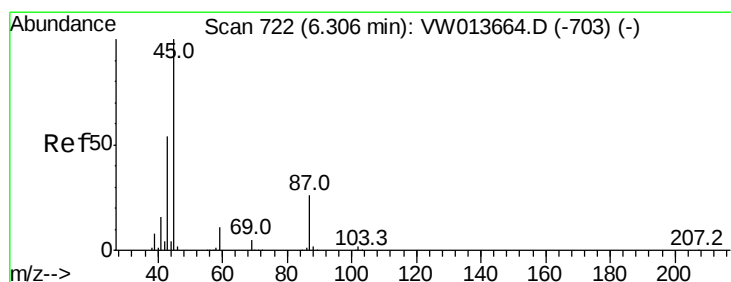
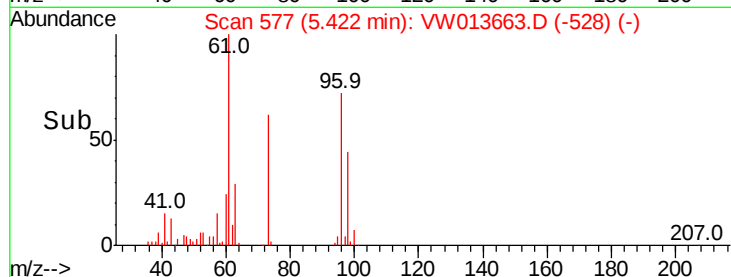
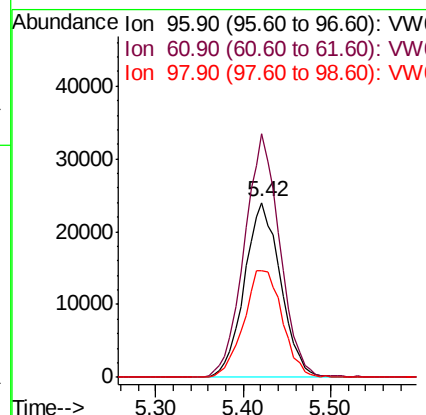
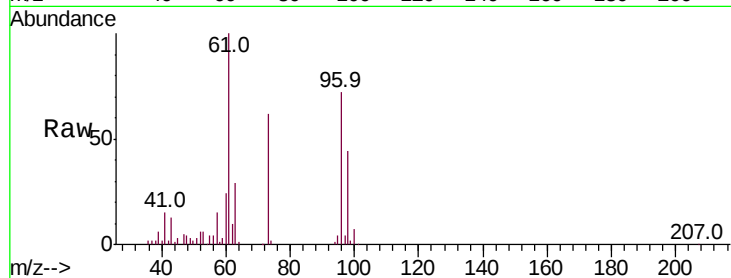
Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 68995

Ion	Ratio	Lower	Upper
96	100		
61	139.3	104.8	157.2
98	60.8	50.6	76.0



#22

Diisopropyl ether

Concen: 20.181 ug/l

RT: 6.31 min Scan# 722

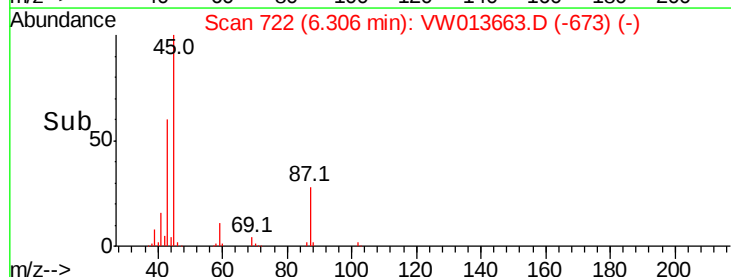
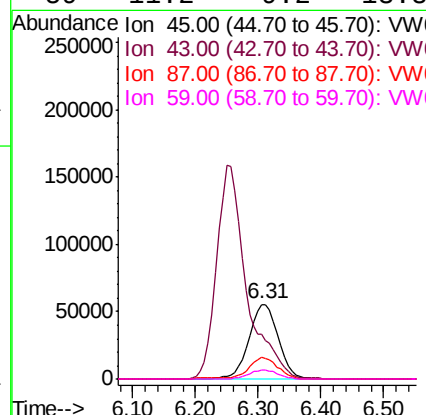
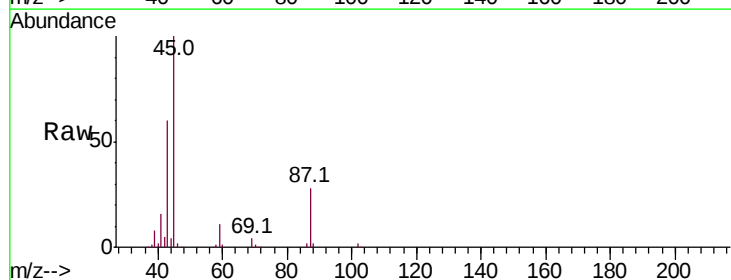
Delta R.T. -0.00 min

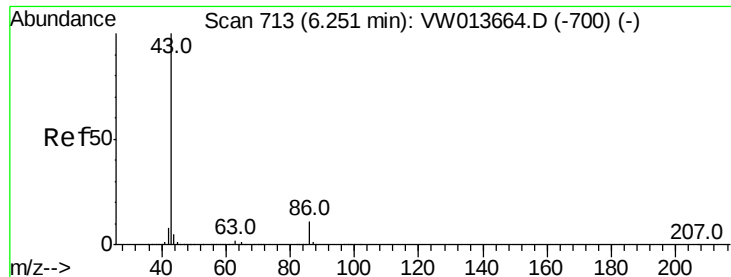
Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

Tgt Ion: 45 Resp: 180158

Ion	Ratio	Lower	Upper
45	100		
43	58.9	43.4	65.2
87	28.3	21.5	32.3
59	11.2	9.2	13.8





#23

Vinyl Acetate

Concen: 98.626 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

Instrument :

MSVOA_W

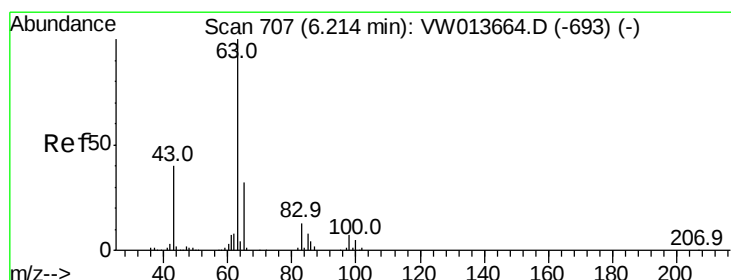
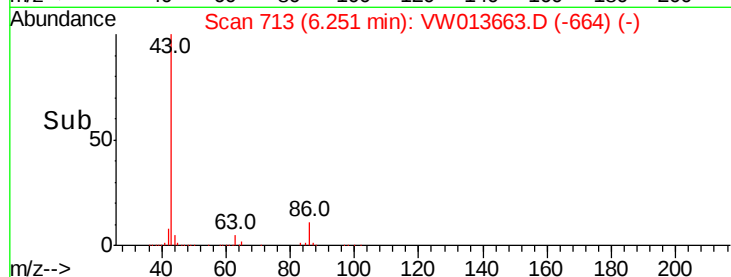
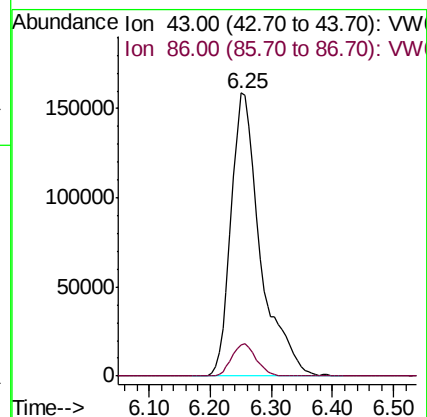
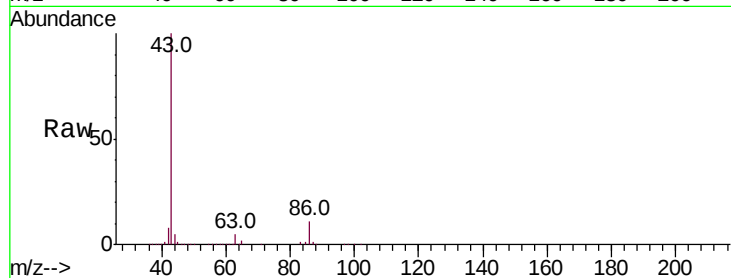
ClientSampleId :

Tot Ion: 43 Resp: 525801

Ion Ratio Lower Upper

43 100

86 11.0 9.0 13.6



#24

1,1-Dichloroethane

Concen: 20.864 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

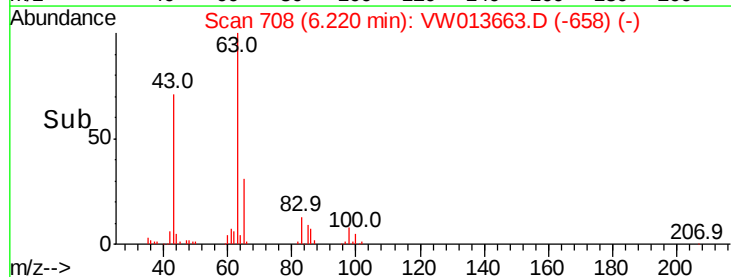
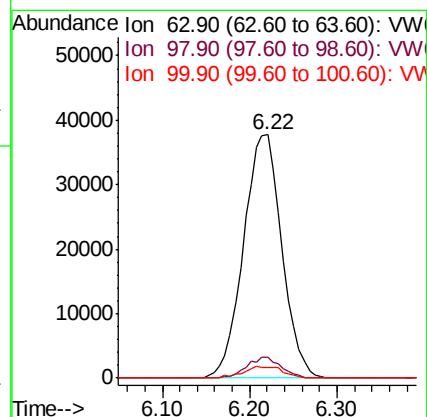
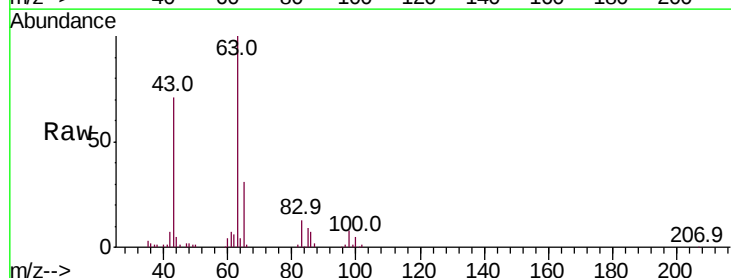
Tgt Ion: 63 Resp: 114598

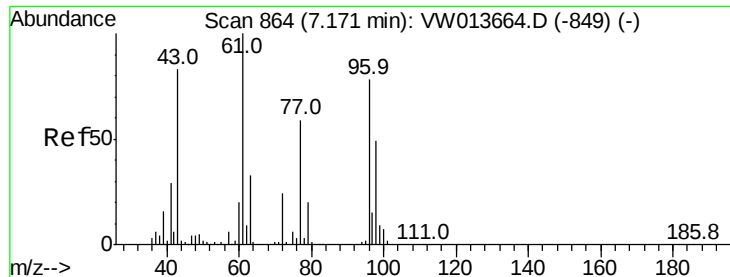
Ion Ratio Lower Upper

63 100

98 8.5 3.6 10.9

100 4.6 2.5 7.4





#25

2-Butanone

Concen: 85.370 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

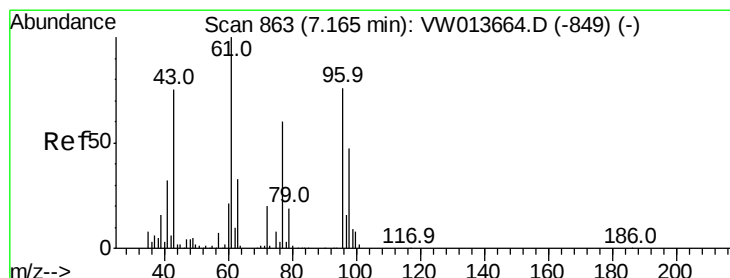
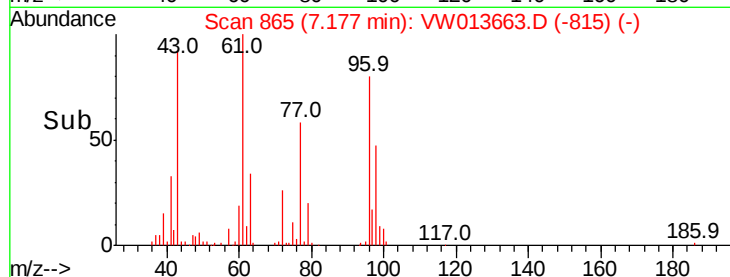
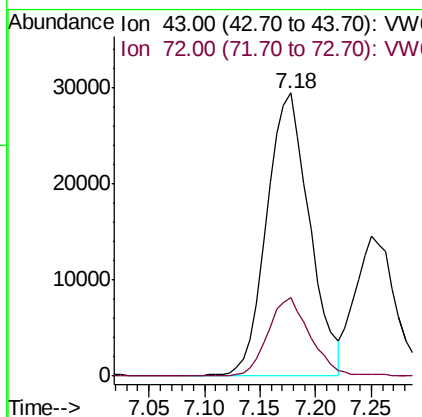
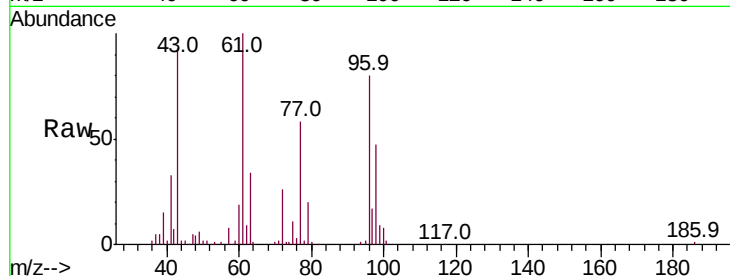
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 79154

Ion Ratio Lower Upper

43 100

72 28.0 23.6 35.4



#26

2,2-Dichloropropane

Concen: 19.204 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013663.D

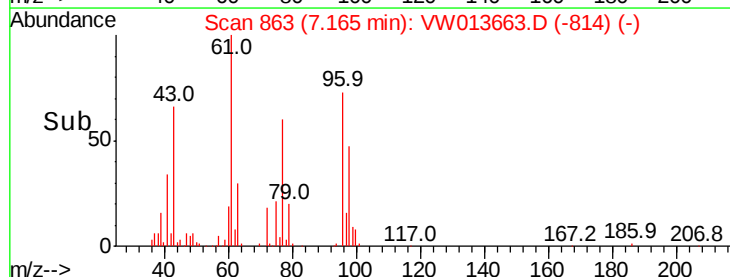
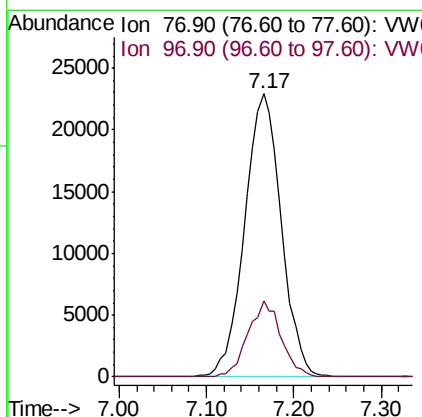
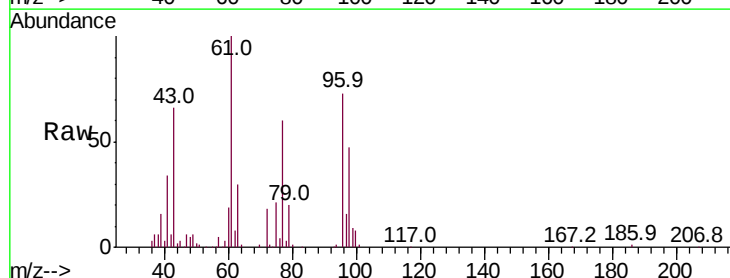
Acq: 23 Oct 2019 12:16

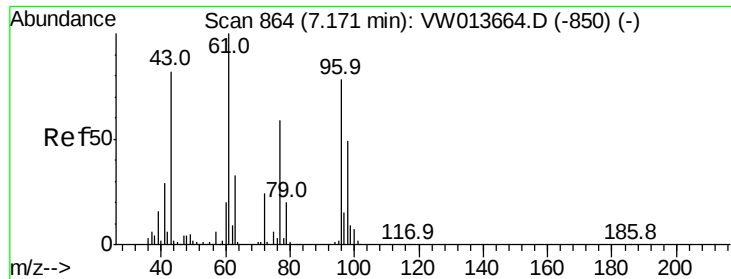
Tgt Ion: 77 Resp: 66484

Ion Ratio Lower Upper

77 100

97 24.3 12.8 38.4



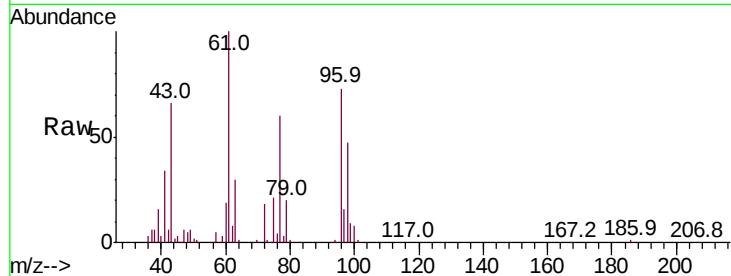


#27

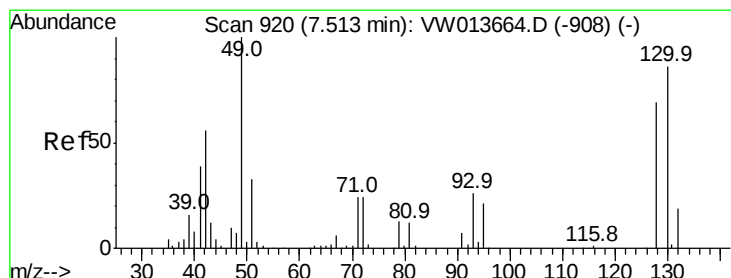
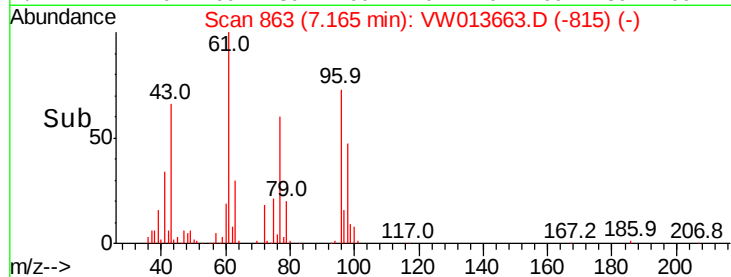
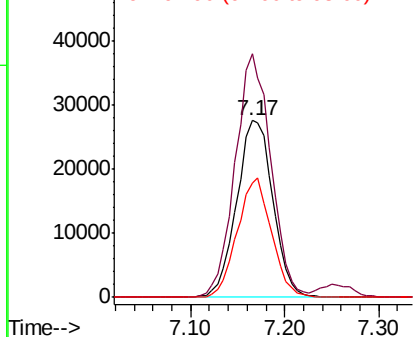
cis-1,2-Dichloroethene
 Concen: 21.098 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW013663.D
 Acq: 23 Oct 2019 12:16

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 96 Resp: 74028
 Ion Ratio Lower Upper
 96 100
 61 135.4 0.0 266.0
 98 63.8 0.0 126.8



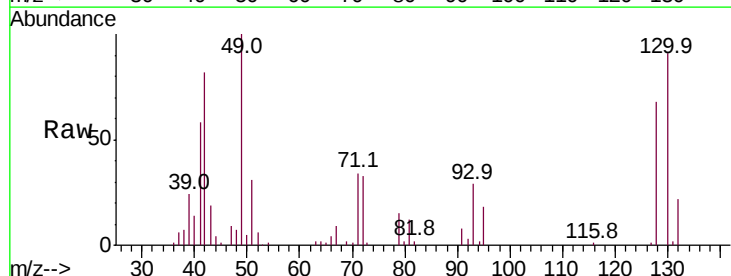
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



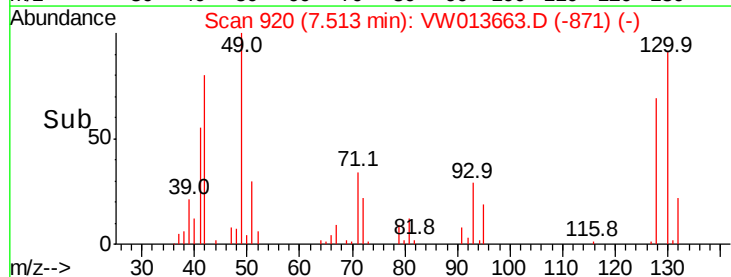
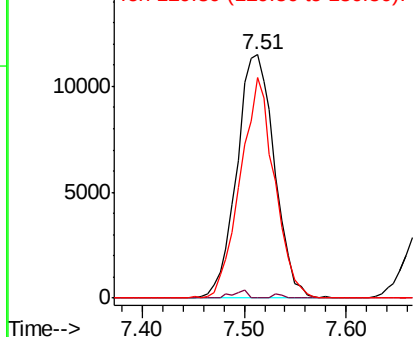
#28

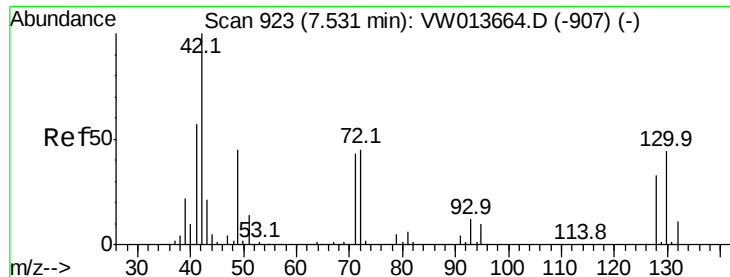
Bromochloromethane
 Concen: 15.034 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW013663.D
 Acq: 23 Oct 2019 12:16

Tgt Ion: 49 Resp: 29475
 Ion Ratio Lower Upper
 49 100
 129 1.2 0.0 0.6#
 130 82.4 67.5 101.3



Abundance Ion 48.90 (48.60 to 49.60): VW
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

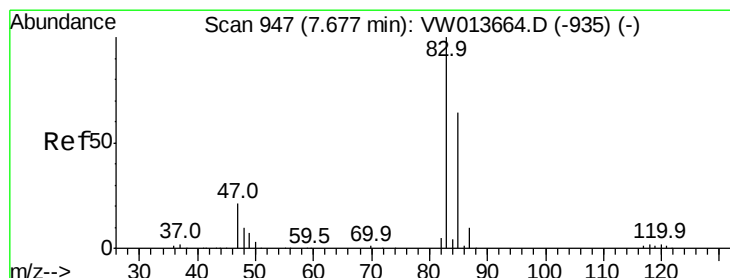
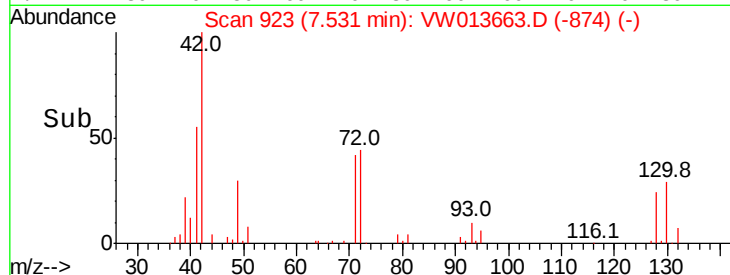
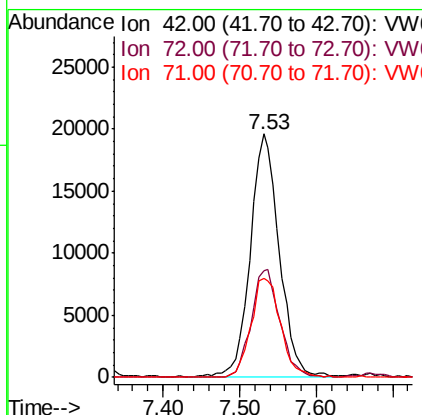
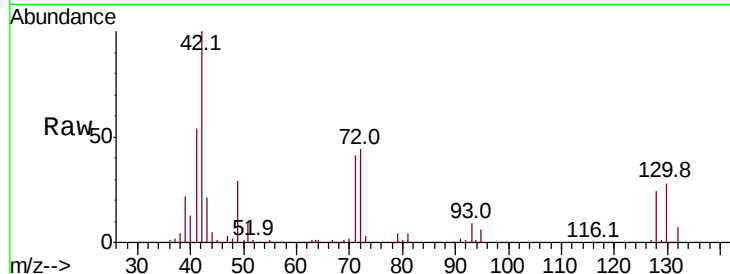




#29
Tetrahydrofuran
Concen: 91.867 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW013663.D
Acq: 23 Oct 2019 12:16

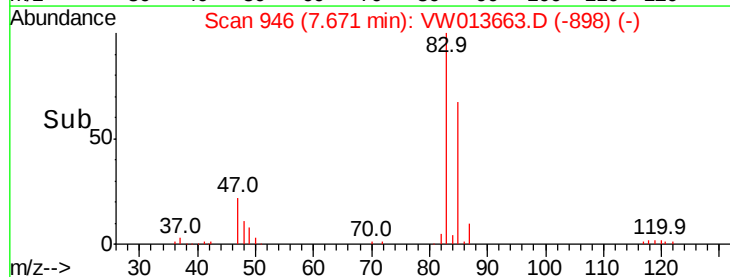
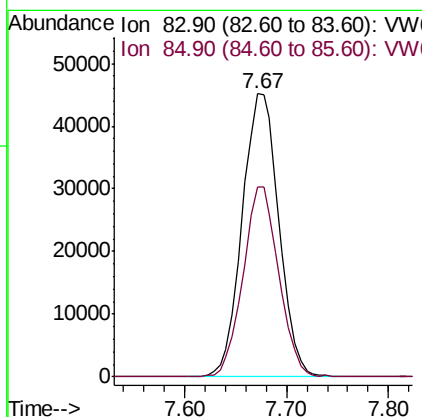
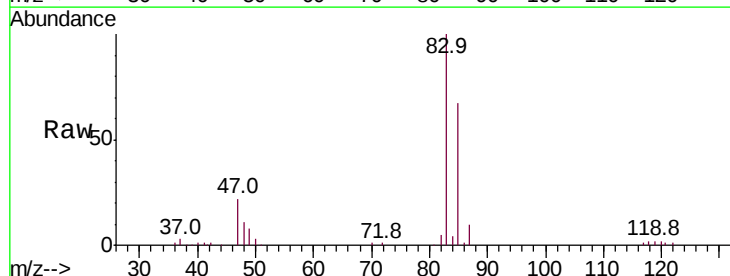
Instrument :
MSVOA_W
ClientSampled :

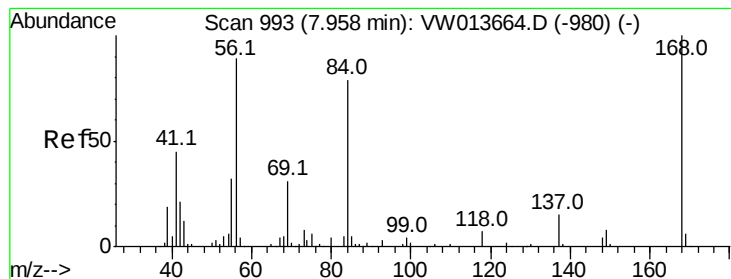
Tot Ion: 42 Resp: 51999
Ion Ratio Lower Upper
42 100
72 43.6 35.3 52.9
71 41.2 33.3 49.9



#30
Chloroform
Concen: 21.258 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013663.D
Acq: 23 Oct 2019 12:16

Tgt Ion: 83 Resp: 112805
Ion Ratio Lower Upper
83 100
85 67.1 51.4 77.2





#31

Cyclohexane

Concen: 20.825 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

Instrument :

MSVOA_W

ClientSampled :

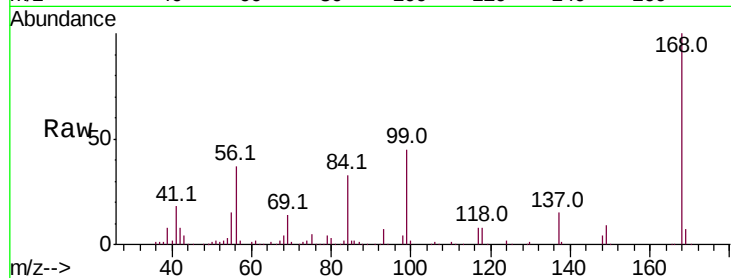
Tot Ion: 56 Resp: 120558

Ion Ratio Lower Upper

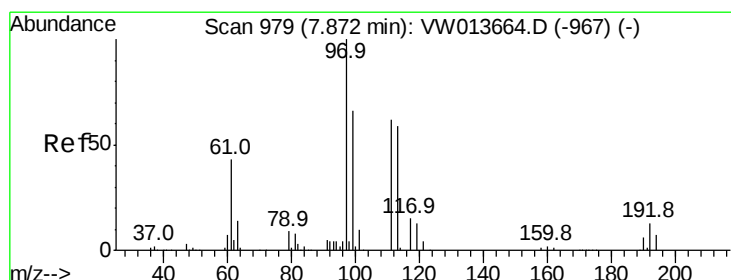
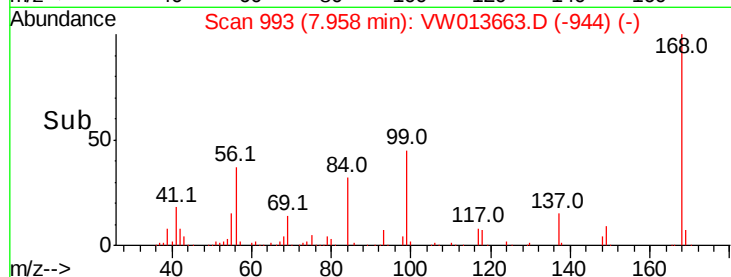
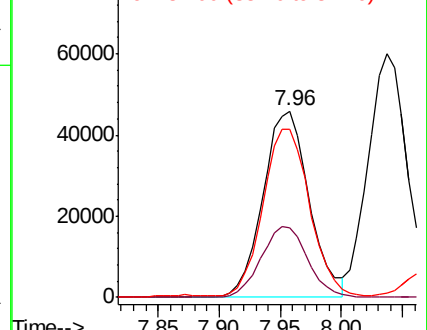
56 100

69 37.0 27.5 41.3

84 89.0 70.8 106.2



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



#32

1,1,1-Trichloroethane

Concen: 21.236 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

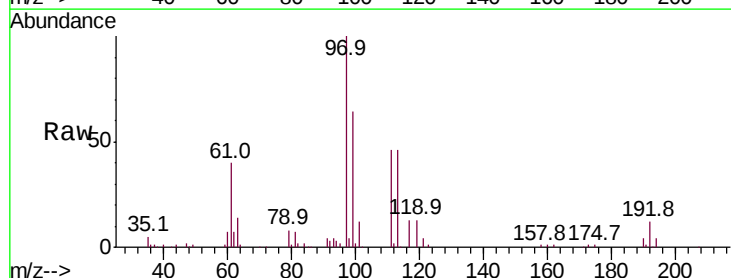
Tgt Ion: 97 Resp: 91165

Ion Ratio Lower Upper

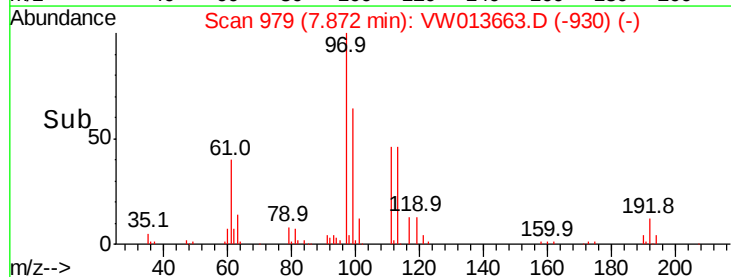
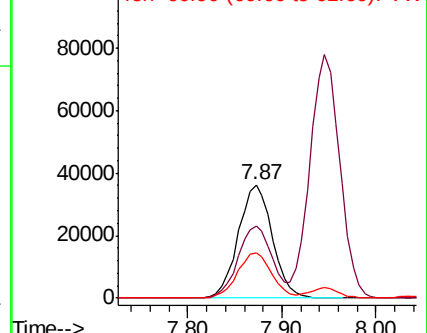
97 100

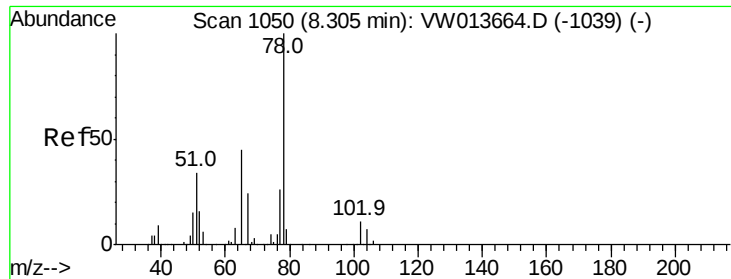
99 63.2 52.0 78.0

61 40.4 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

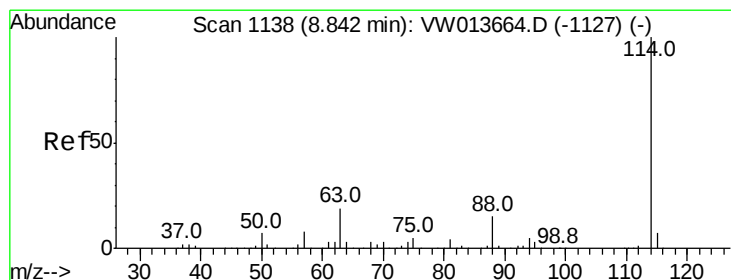
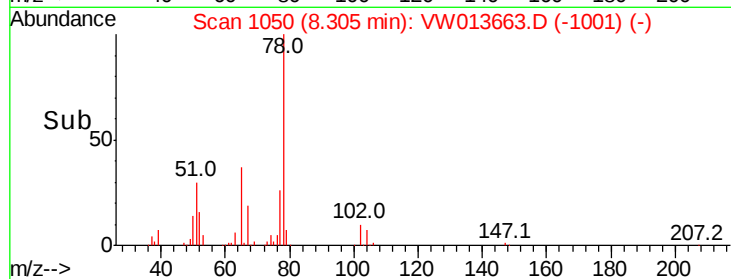
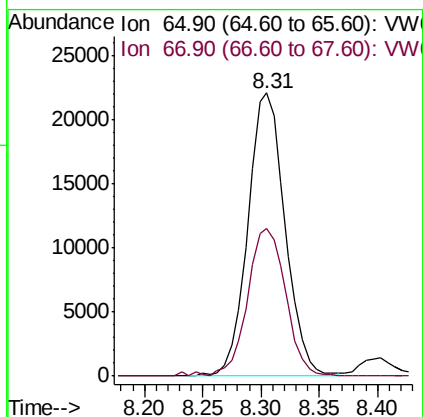
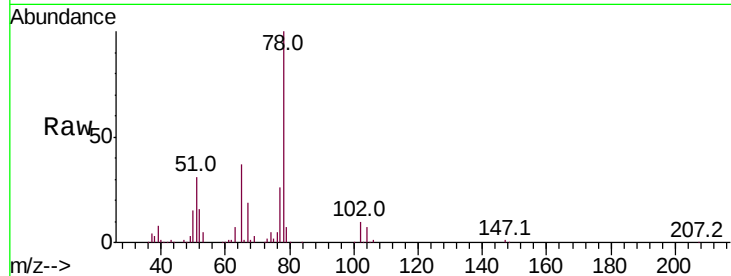




#33
 1,2-Dichloroethane-d4
 Concen: 17.669 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013663.D
 Acq: 23 Oct 2019 12:16

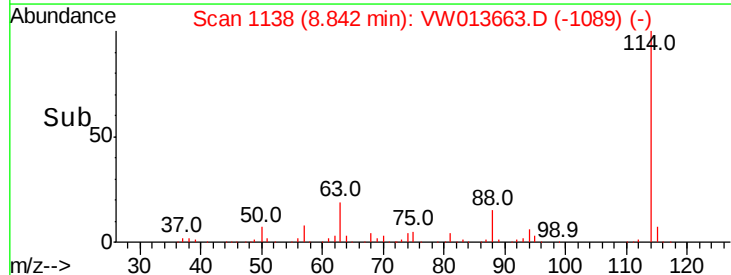
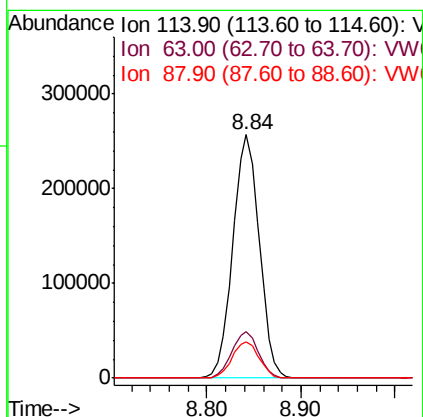
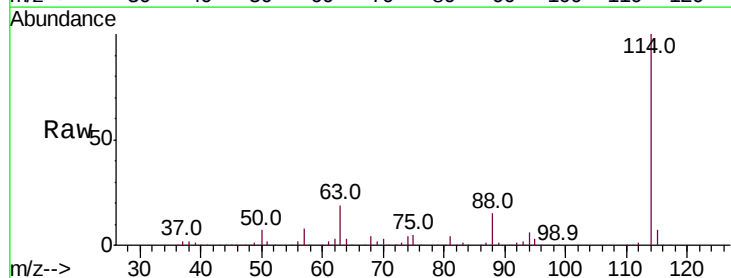
Instrument :
 MSVOA_W
 ClientSampleId :

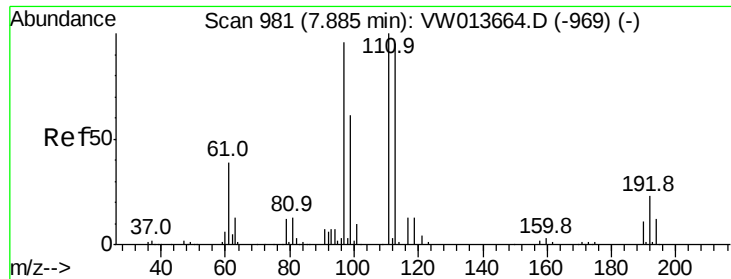
Tot Ion: 65 Resp: 49084
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013663.D
 Acq: 23 Oct 2019 12:16

Tgt Ion: 114 Resp: 502472
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 37.6
 88 15.1 0.0 30.2





#35

Dibromofluoromethane

Concen: 17.806 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

Instrument :
MSVOA_W
ClientSampled :

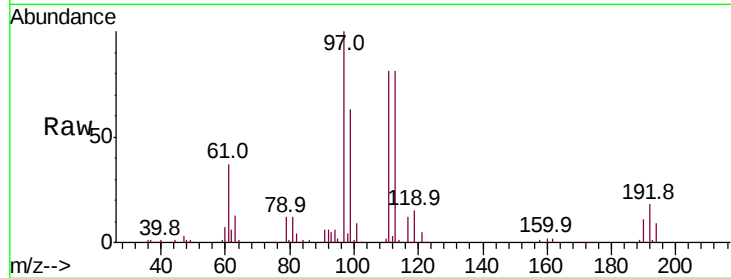
Tot Ion:113 Resp: 50535

Ion Ratio Lower Upper

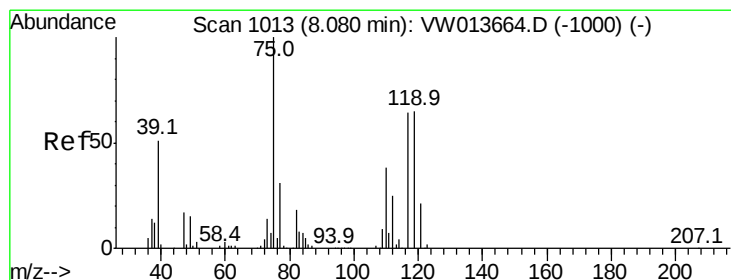
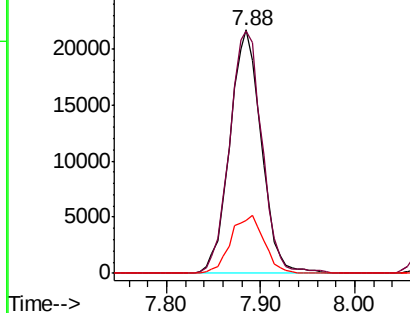
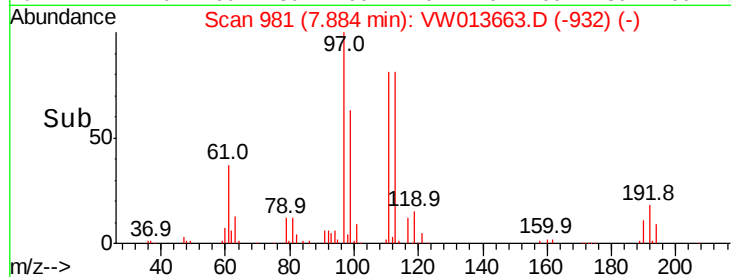
113 100

111 102.4 83.0 124.6

192 24.9 19.4 29.2



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



#36

1,1-Dichloropropene

Concen: 21.226 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

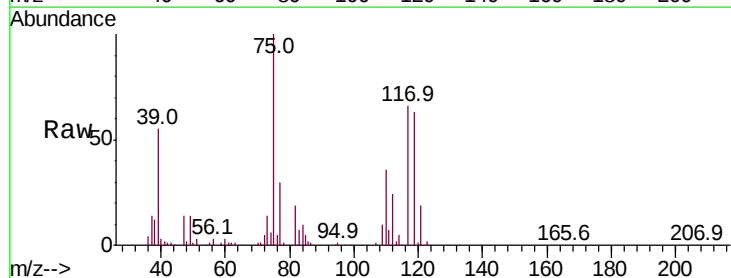
Tgt Ion: 75 Resp: 97004

Ion Ratio Lower Upper

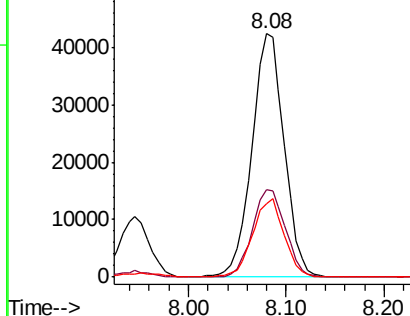
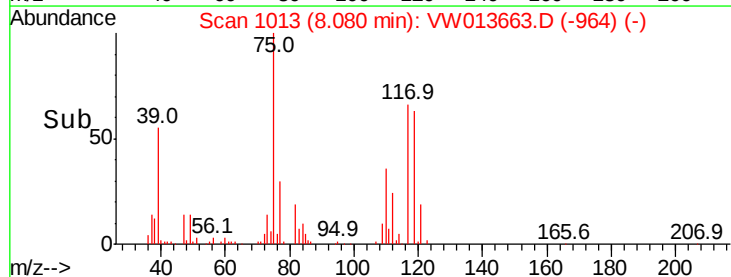
75 100

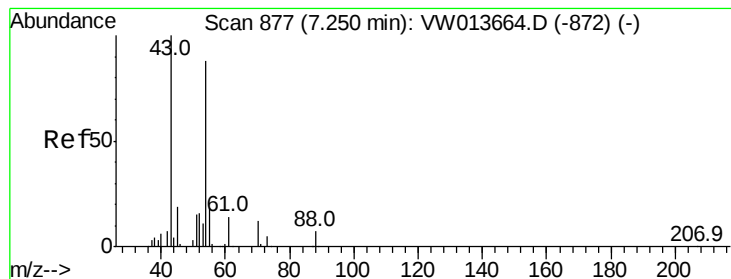
110 36.6 18.7 56.1

77 31.5 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 18.431 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

Instrument :

MSVOA_W

ClientSampled :

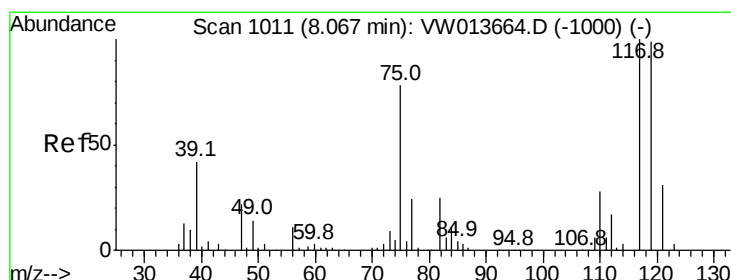
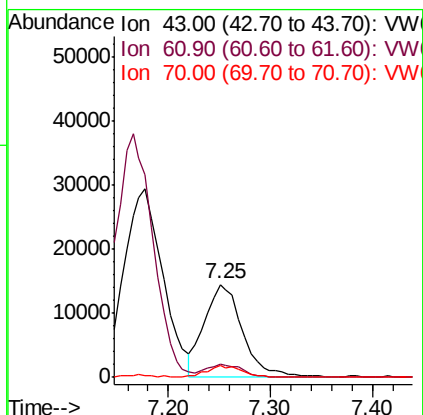
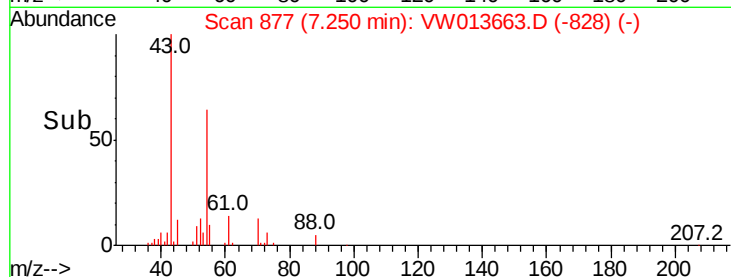
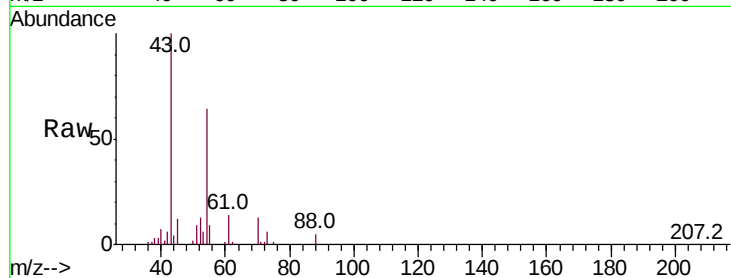
Tot Ion: 43 Resp: 37253

Ion Ratio Lower Upper

43 100

61 13.9 11.7 17.5

70 11.5 8.8 13.2



#38

Carbon Tetrachloride

Concen: 21.369 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

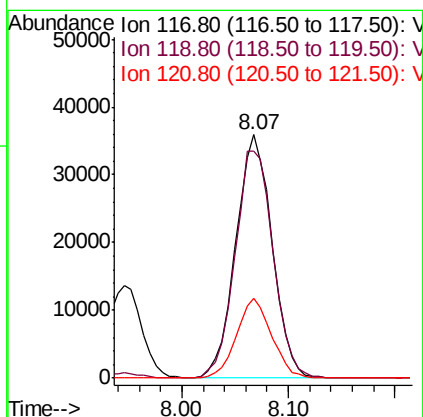
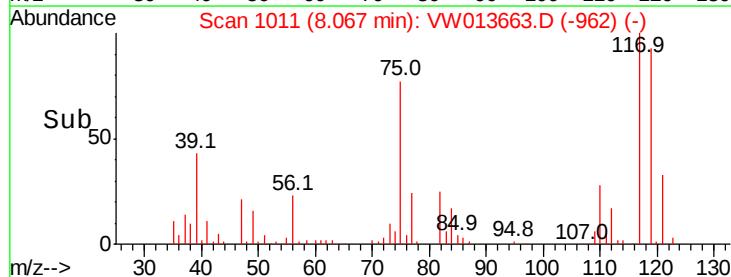
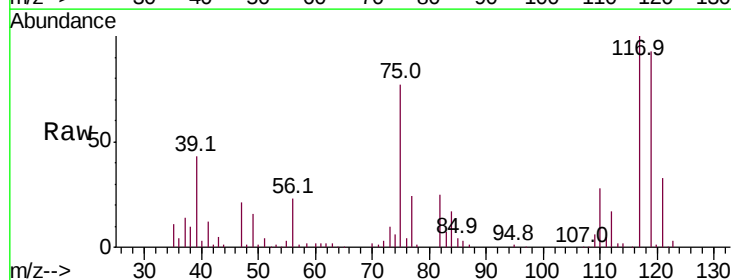
Tgt Ion: 117 Resp: 86393

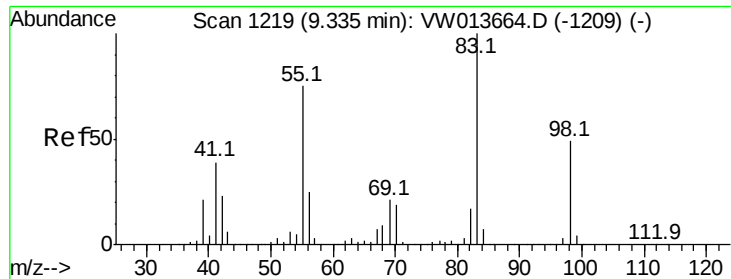
Ion Ratio Lower Upper

117 100

119 93.2 79.0 118.4

121 32.8 24.5 36.7

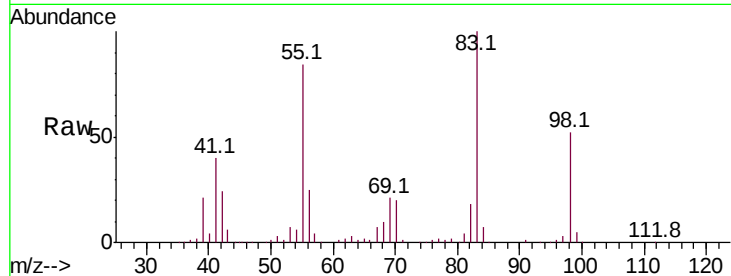




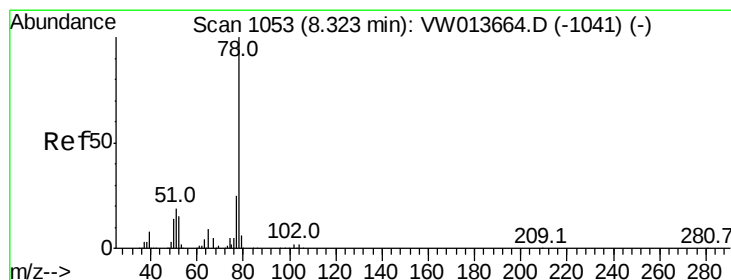
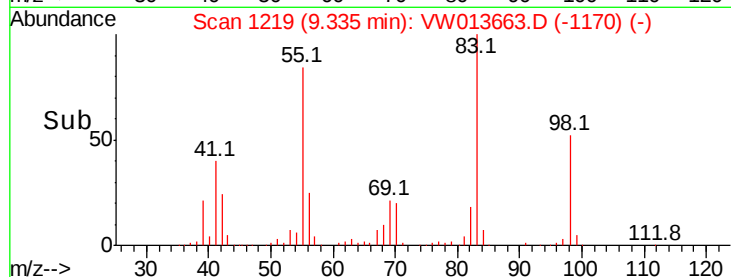
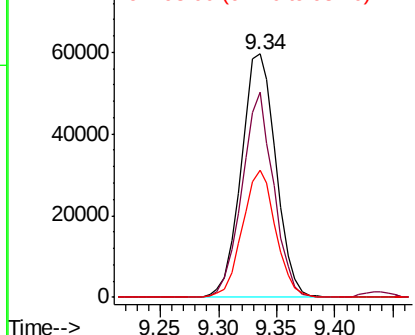
#39
Methvlcvclohexane
Concen: 20.910 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013663.D
Acq: 23 Oct 2019 12:16

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 123885
Ion Ratio Lower Upper
83 100
55 84.0 59.9 89.9
98 52.3 39.4 59.2

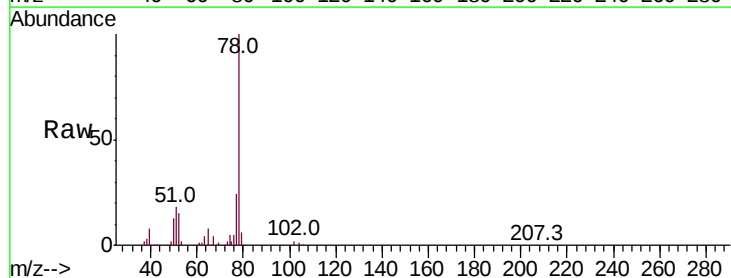


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

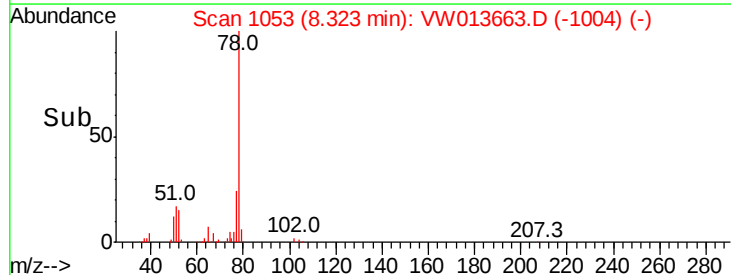
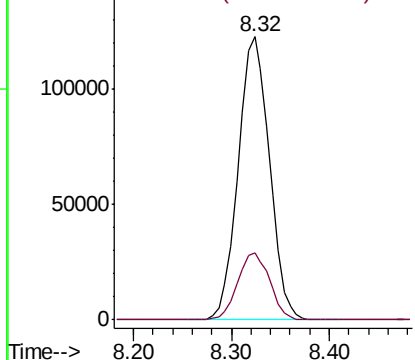


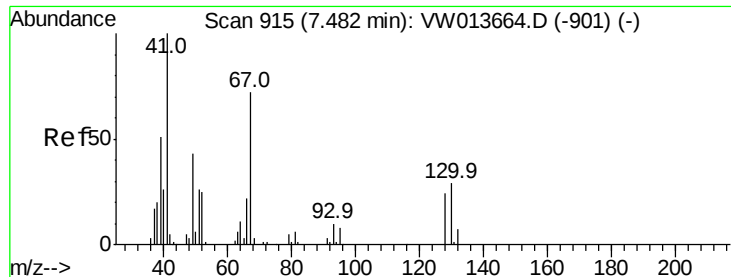
#40
Benzene
Concen: 21.231 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013663.D
Acq: 23 Oct 2019 12:16

Tgt Ion: 78 Resp: 271443
Ion Ratio Lower Upper
78 100
77 23.7 19.6 29.4



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

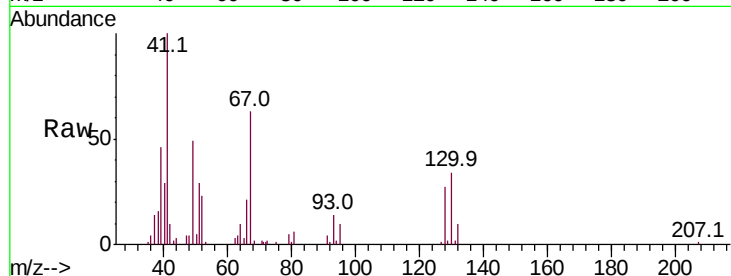




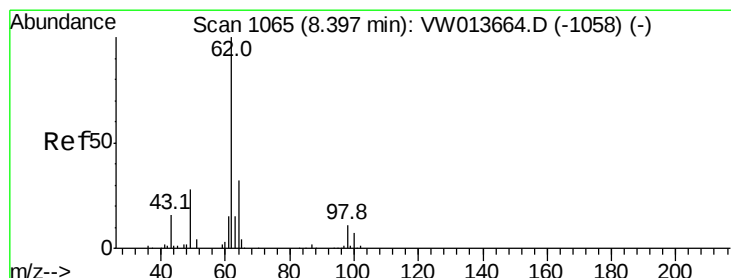
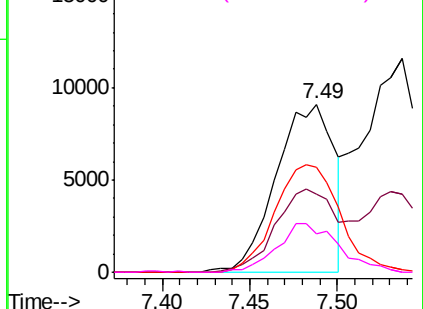
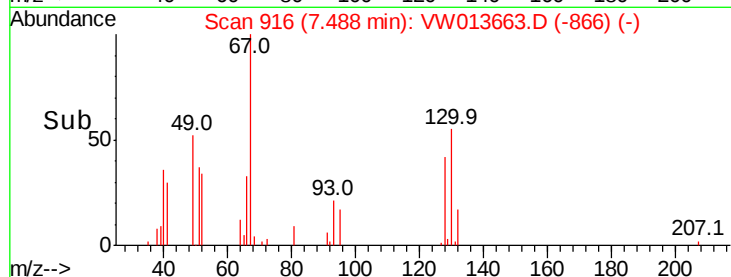
#41
Methacrylonitrile
Concen: 18.181 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW013663.D
Acq: 23 Oct 2019 12:16

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 41 Resp: 21018
Ion Ratio Lower Upper
41 100
39 58.7 44.8 67.2
67 72.0 59.3 88.9
52 30.8 23.4 35.0

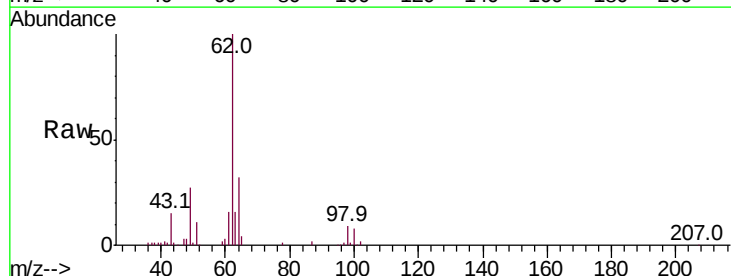


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

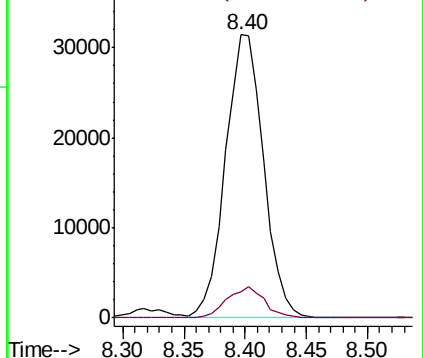
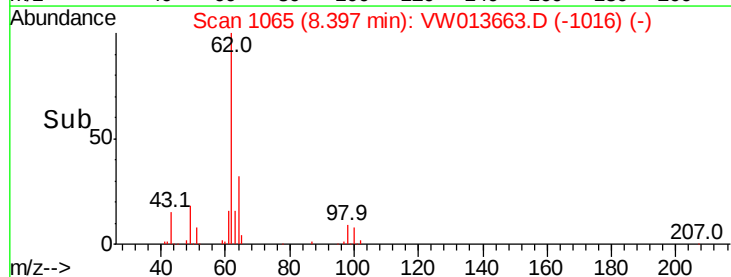


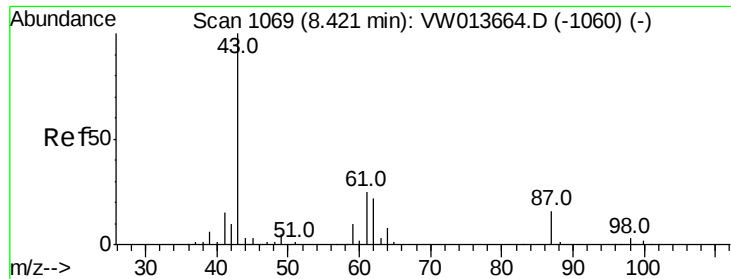
#42
1,2-Dichloroethane
Concen: 20.960 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013663.D
Acq: 23 Oct 2019 12:16

Tgt Ion: 62 Resp: 67769
Ion Ratio Lower Upper
62 100
98 10.8 0.0 22.4



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





#43

Isopropyl Acetate

Concen: 18.869 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

Instrument :

MSVOA_W

ClientSampleId :

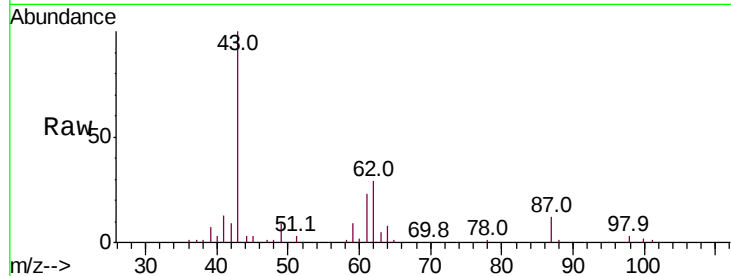
Tot Ion: 43 Resp: 69539

Ion Ratio Lower Upper

43 100

61 32.0 26.1 39.1

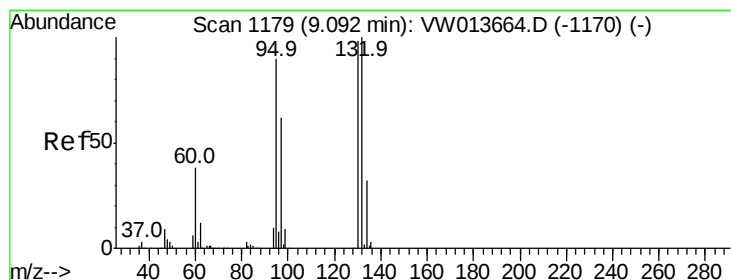
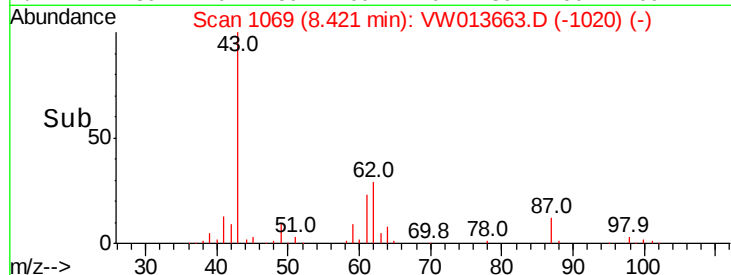
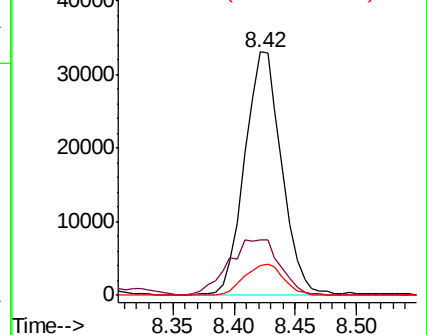
87 13.6 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 21.160 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013663.D

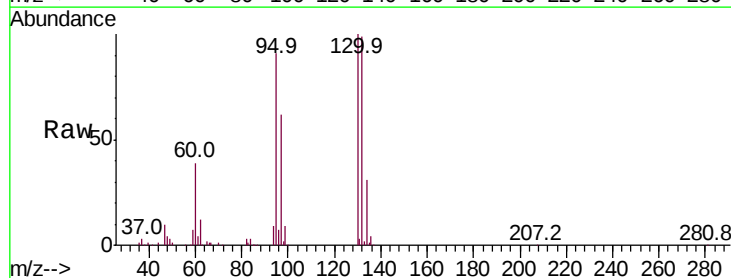
Acq: 23 Oct 2019 12:16

Tgt Ion:130 Resp: 77199

Ion Ratio Lower Upper

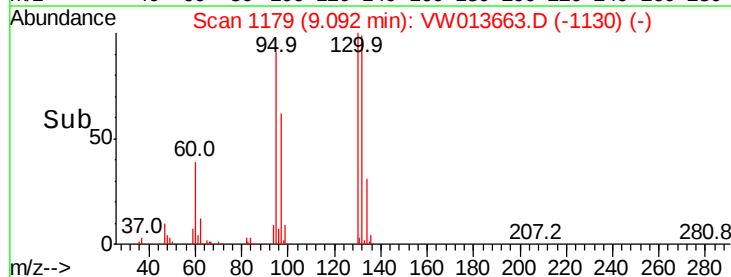
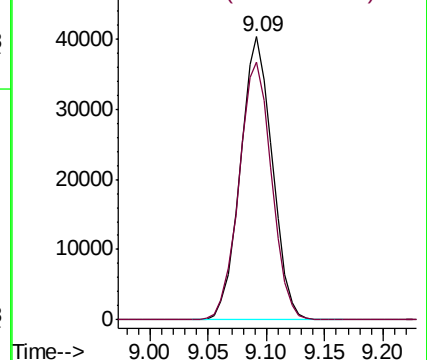
130 100

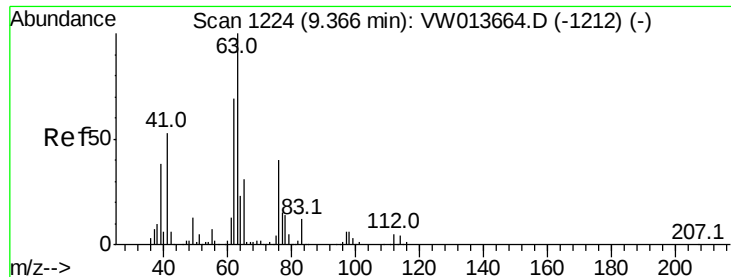
95 91.0 0.0 184.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

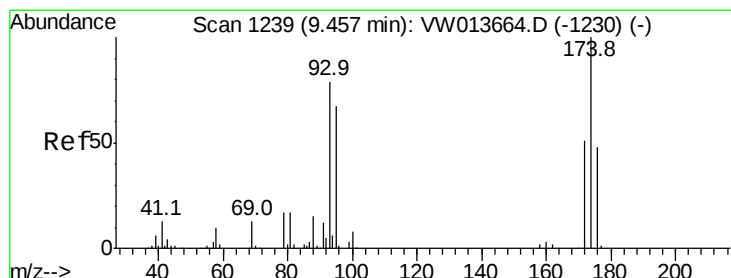
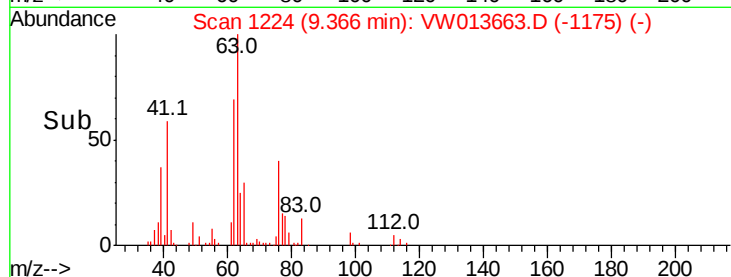
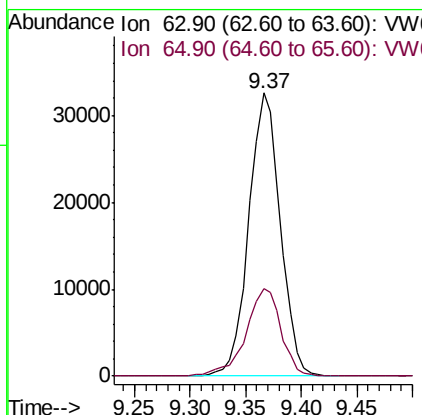
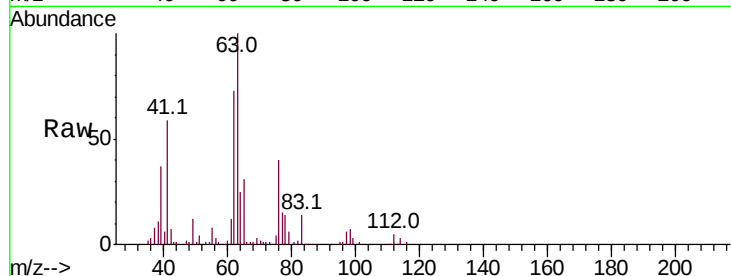




#45
 1,2-Dichloropropane
 Concen: 20.925 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013663.D
 Acq: 23 Oct 2019 12:16

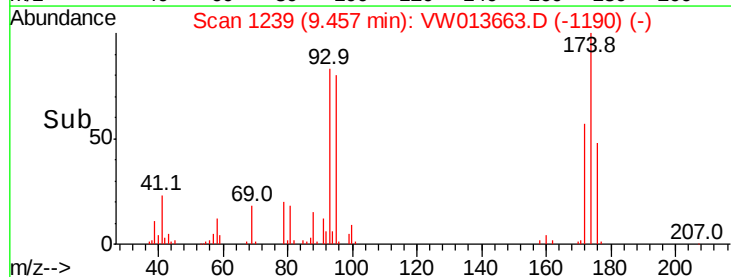
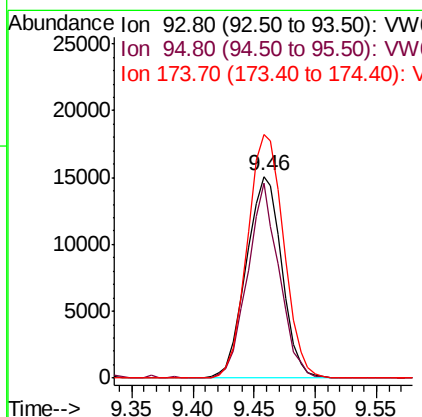
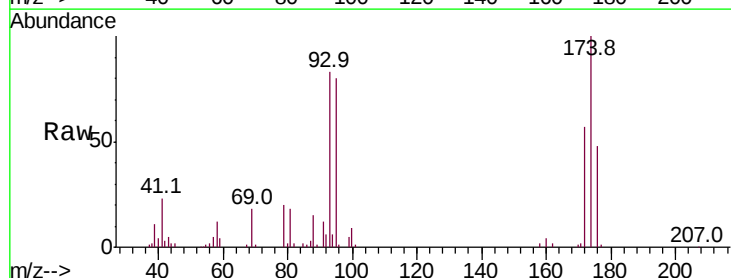
Instrument :
 MSVOA_W
 ClientSampleId :

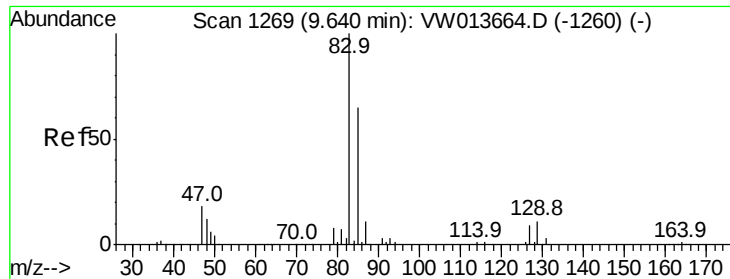
Tot Ion: 63 Resp: 64286
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.2 37.8



#46
 Dibromomethane
 Concen: 20.012 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013663.D
 Acq: 23 Oct 2019 12:16

Tgt Ion: 93 Resp: 30528
 Ion Ratio Lower Upper
 93 100
 95 86.2 66.5 99.7
 174 123.6 99.6 149.4





#47

Bromodichloromethane

Concen: 20.594 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

Instrument :

MSVOA_W

ClientSampleId :

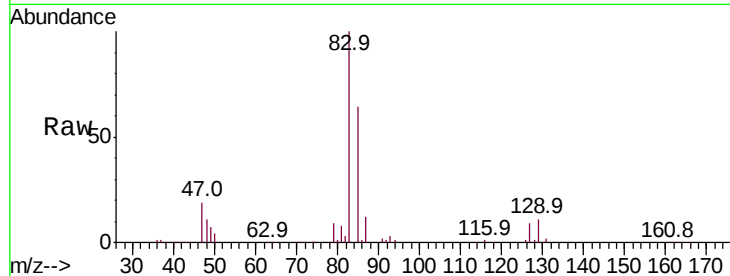
Tot Ion: 83 Resp: 78489

Ion Ratio Lower Upper

83 100

85 63.6 51.8 77.6

127 8.9 7.3 10.9

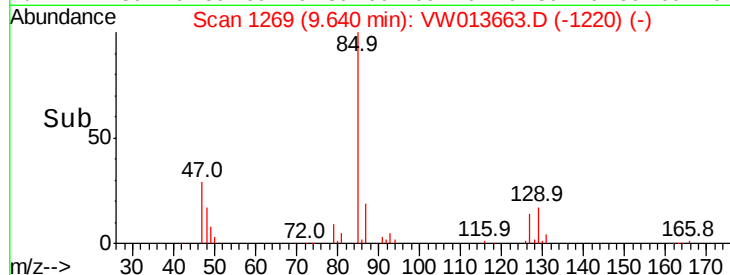


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW

Time-->



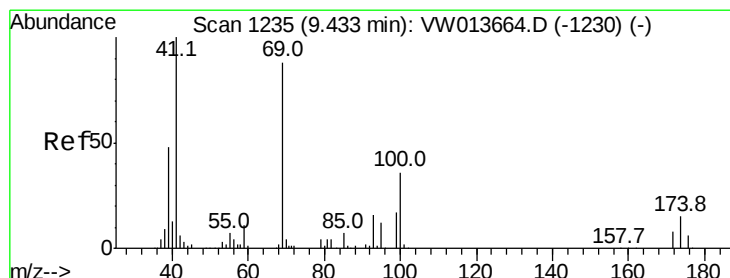
Abundance

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW

Time-->



#48

Methyl methacrylate

Concen: 19.434 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

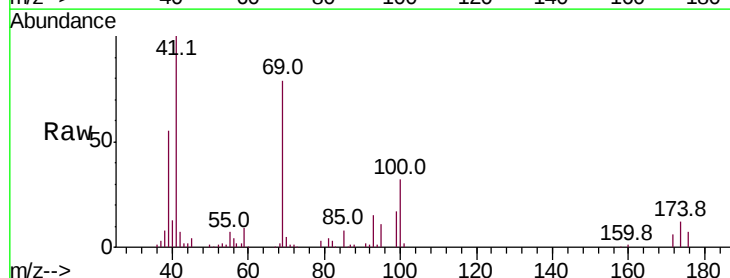
Tgt Ion: 41 Resp: 35486

Ion Ratio Lower Upper

41 100

69 82.4 67.6 101.4

39 45.5 38.6 58.0

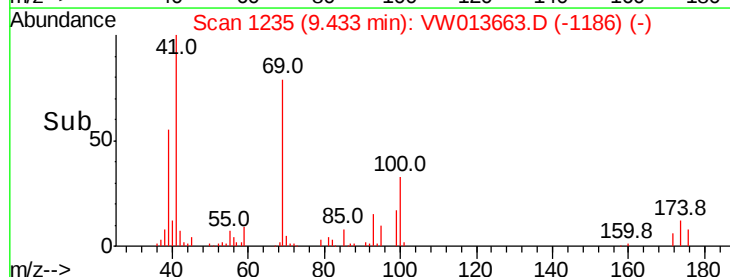


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

Time-->



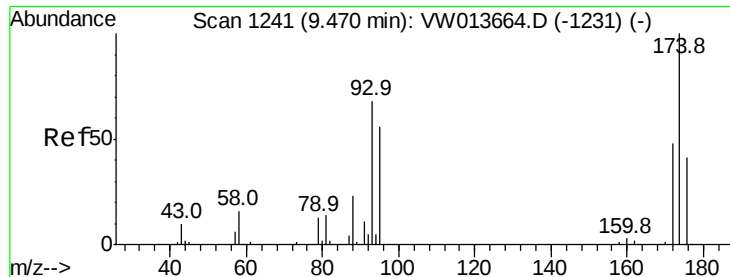
Abundance

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

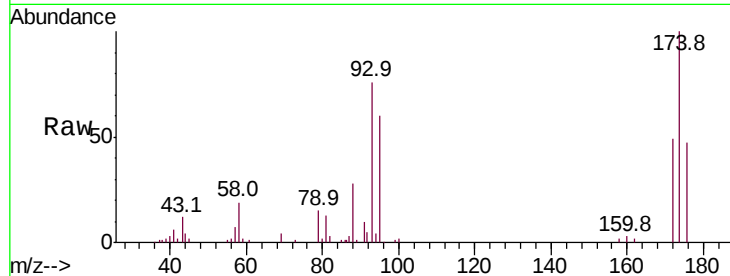
Time-->



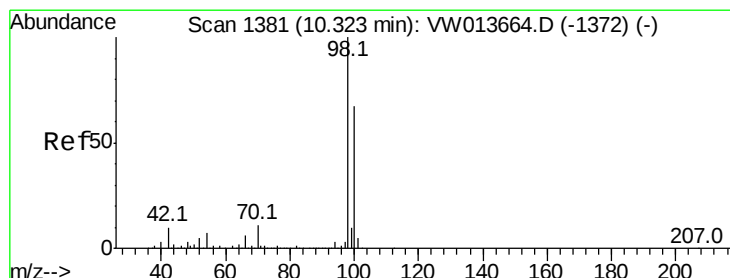
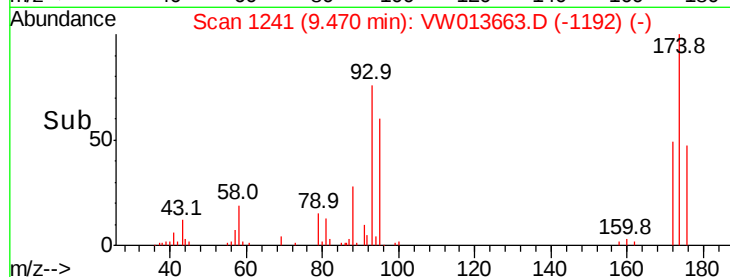
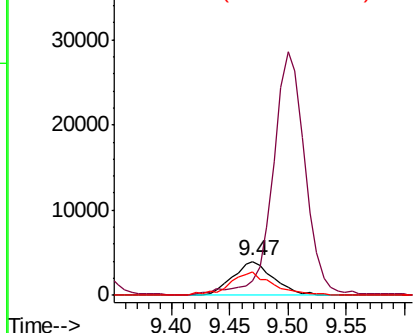
#49
1,4-Dioxane
Concen: 374.234 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VW013663.D
Acq: 23 Oct 2019 12:16

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 9716
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 72.3 58.9 88.3

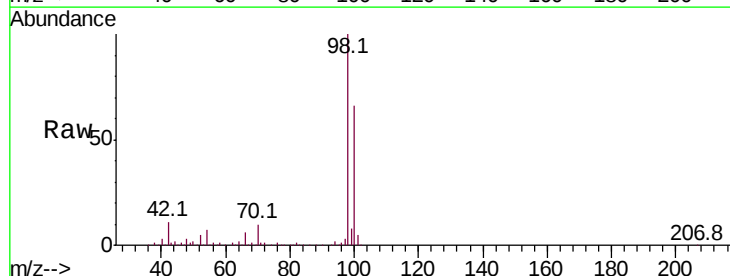


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

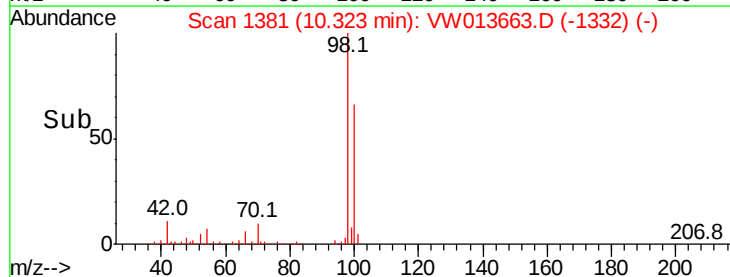
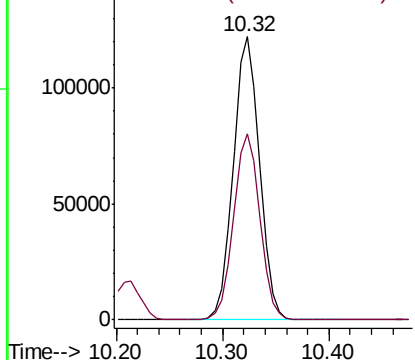


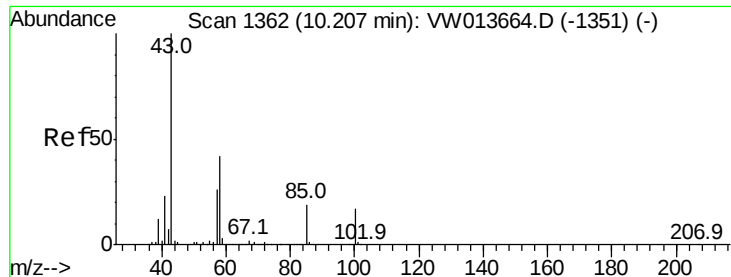
#50
Toluene-d8
Concen: 17.758 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013663.D
Acq: 23 Oct 2019 12:16

Tgt Ion: 98 Resp: 211295
Ion Ratio Lower Upper
98 100
100 66.1 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: 89.514 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

Instrument :

MSVOA_W

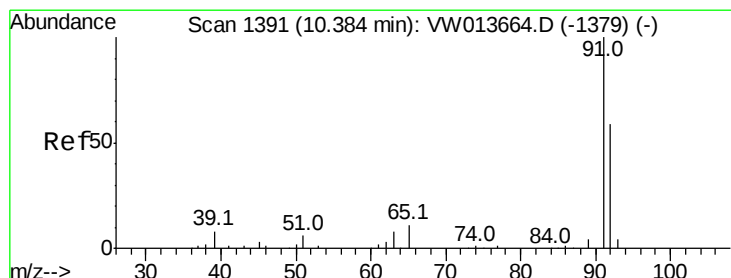
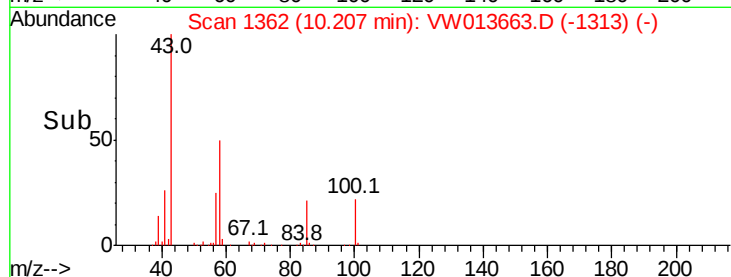
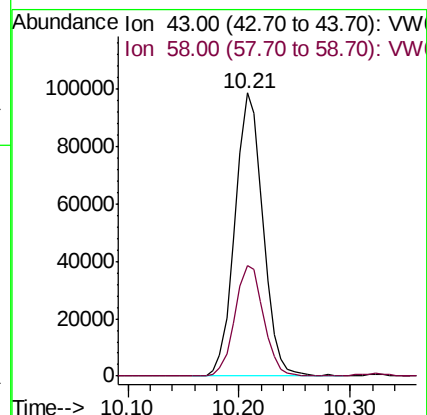
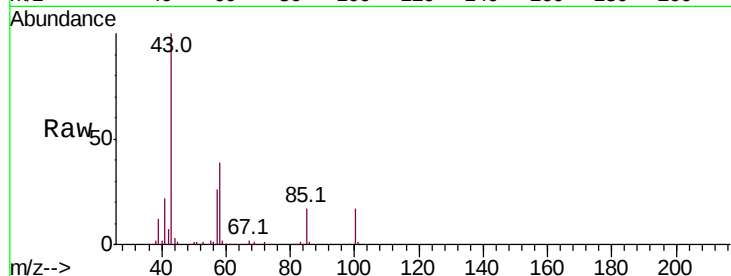
ClientSampled :

Tot Ion: 43 Resp: 172199

Ion Ratio Lower Upper

43 100

58 39.9 32.6 49.0



#52

Toluene

Concen: 21.078 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013663.D

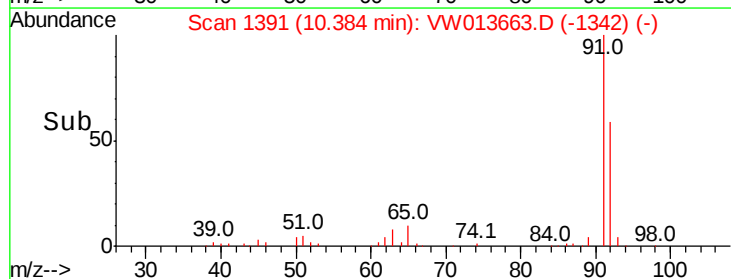
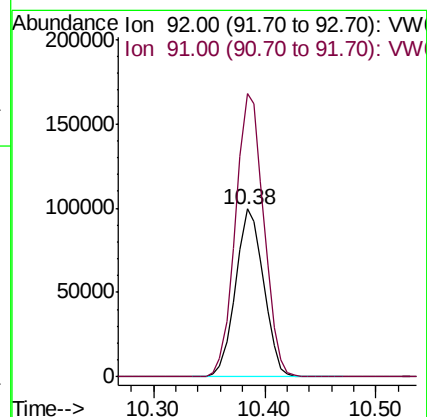
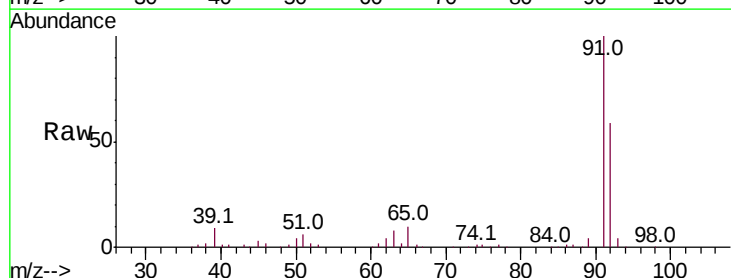
Acq: 23 Oct 2019 12:16

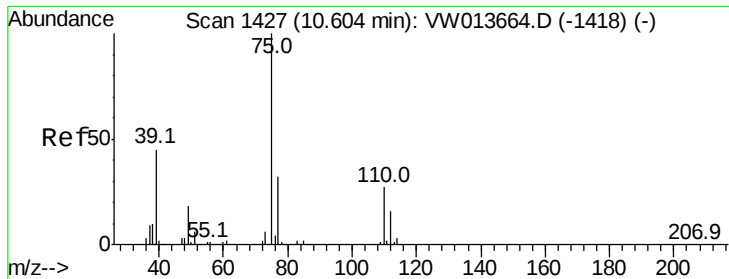
Tgt Ion: 92 Resp: 173670

Ion Ratio Lower Upper

92 100

91 170.2 134.5 201.7





#53

t-1,3-Dichloropropene

Concen: 20.090 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

Instrument :

MSVOA_W

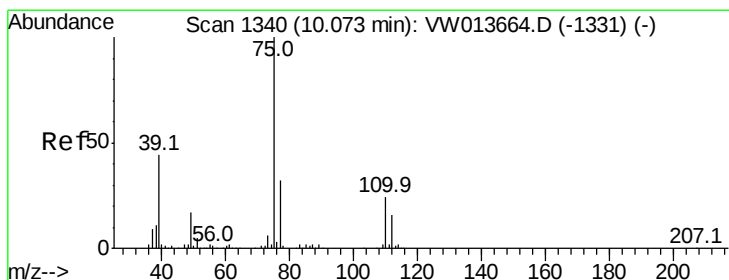
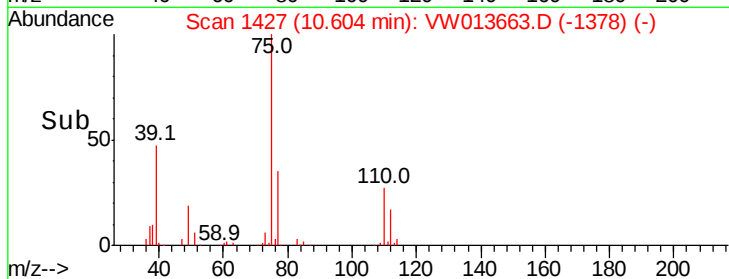
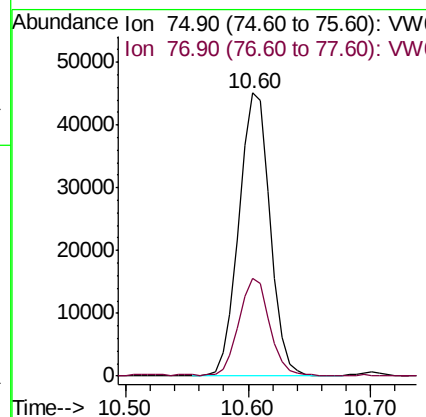
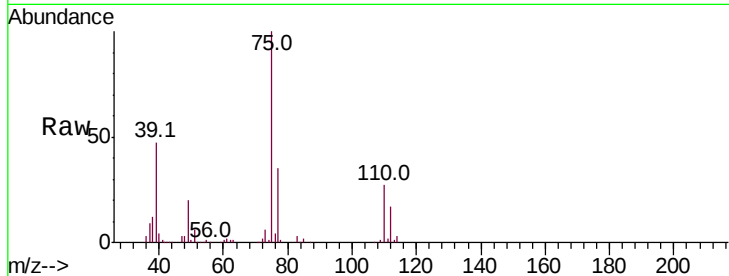
ClientSampled :

Tot Ion: 75 Resp: 79340

Ion Ratio Lower Upper

75 100

77 34.7 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 20.734 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

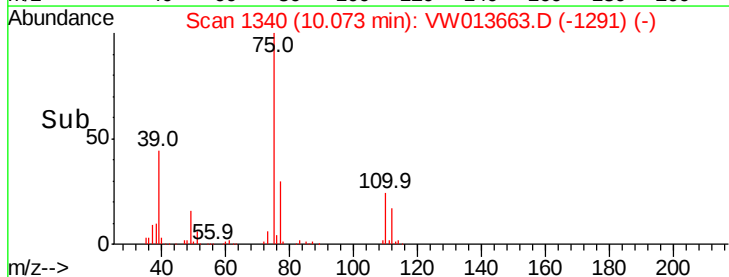
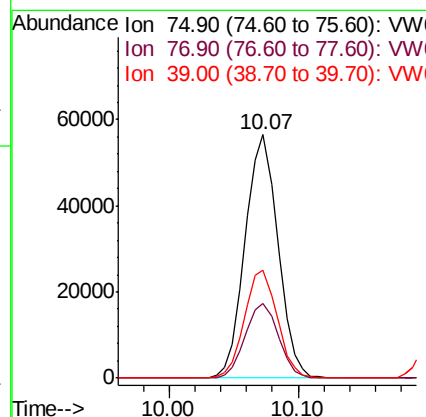
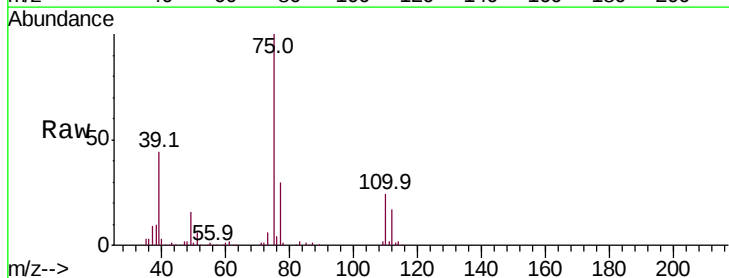
Tgt Ion: 75 Resp: 99508

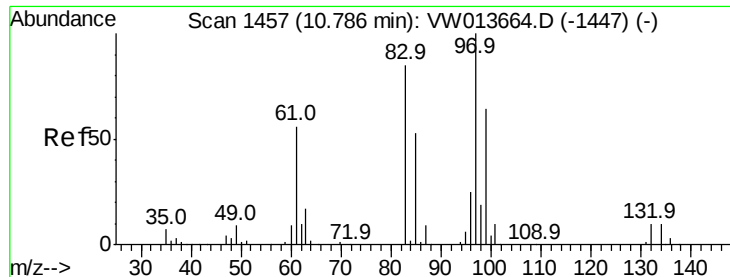
Ion Ratio Lower Upper

75 100

77 30.5 25.8 38.6

39 44.1 35.3 52.9





#55

1,1,2-Trichloroethane

Concen: 19.872 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 45370

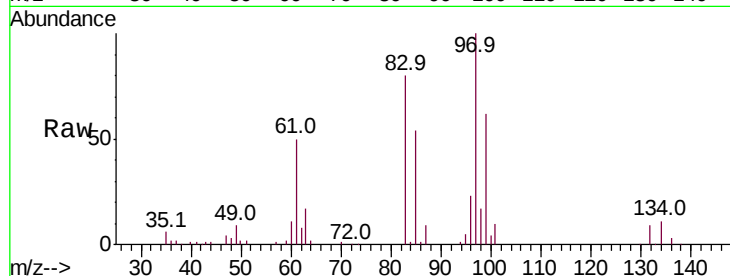
Ion	Ratio	Lower	Upper
97	100		
83	80.3	67.8	101.8
85	54.3	42.1	63.1
99	61.8	51.4	77.0

97 100

83 80.3 67.8 101.8

85 54.3 42.1 63.1

99 61.8 51.4 77.0



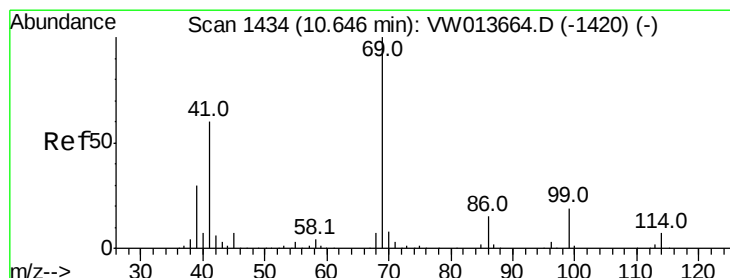
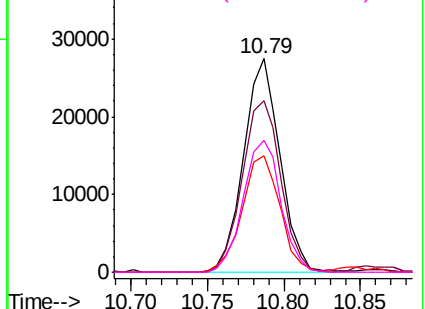
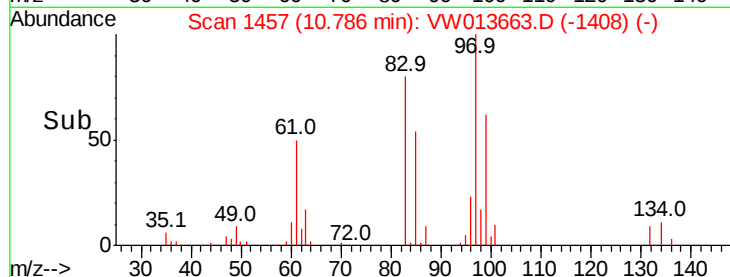
Abundance

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: 19.108 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

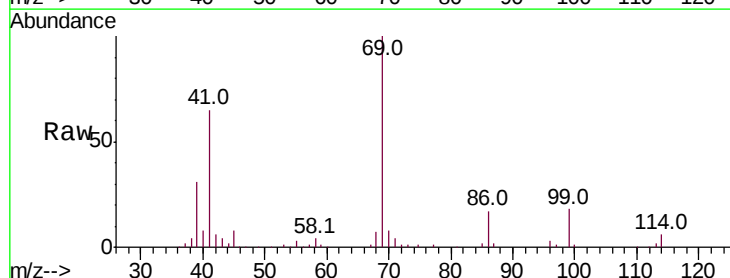
Tgt Ion: 69 Resp: 58016

Ion	Ratio	Lower	Upper
69	100		
41	63.2	51.6	77.4
39	28.5	22.4	33.6

69 100

41 63.2 51.6 77.4

39 28.5 22.4 33.6

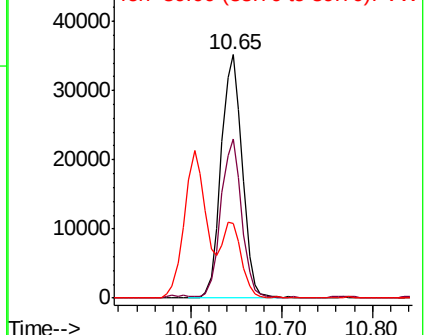
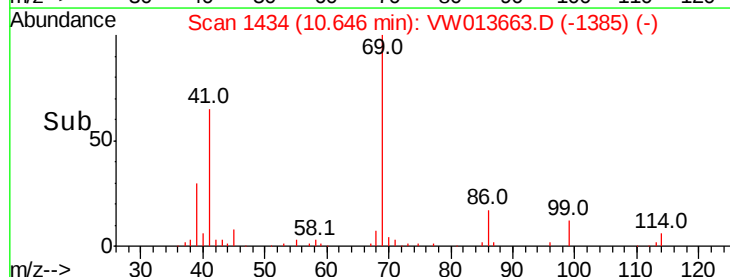


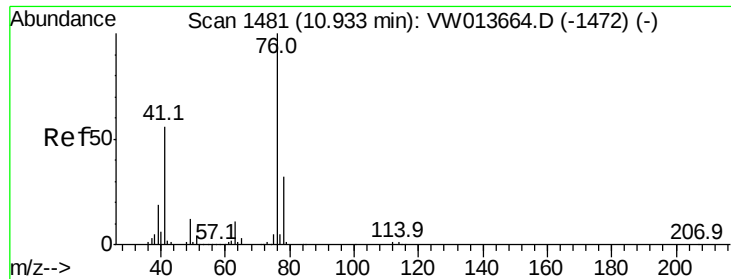
Abundance

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

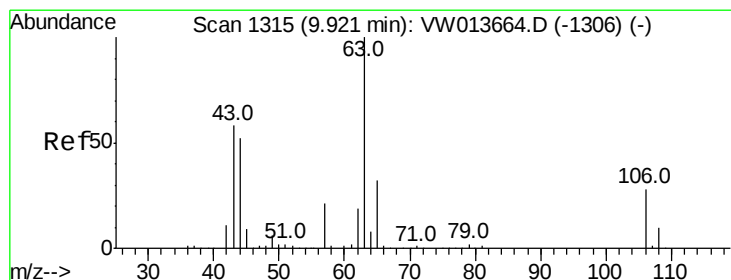
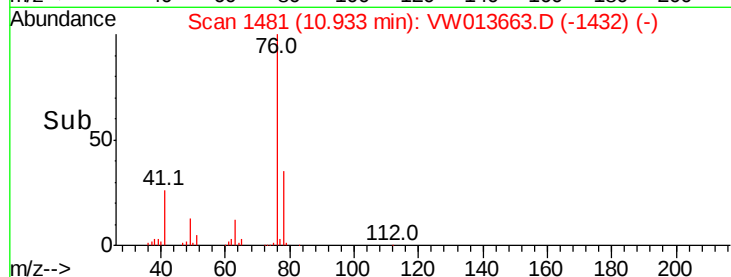
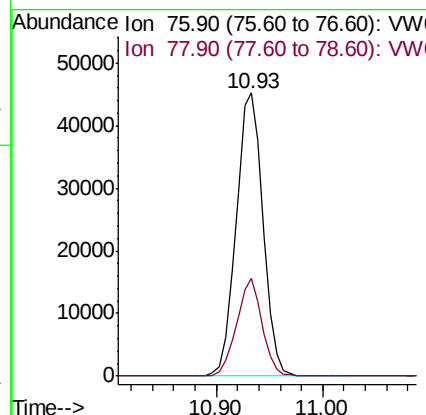
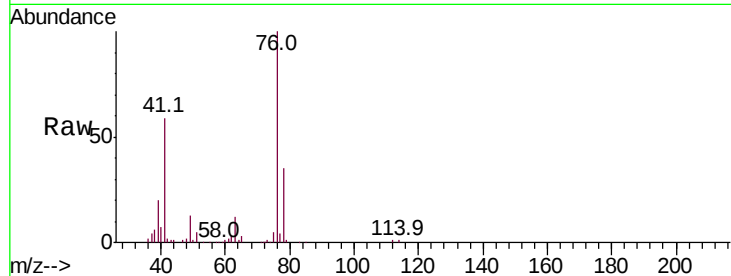




#57
 1,3-Dichloropropane
 Concen: 20.274 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013663.D
 Acq: 23 Oct 2019 12:16

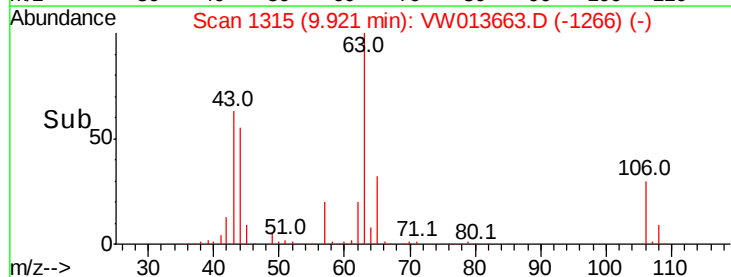
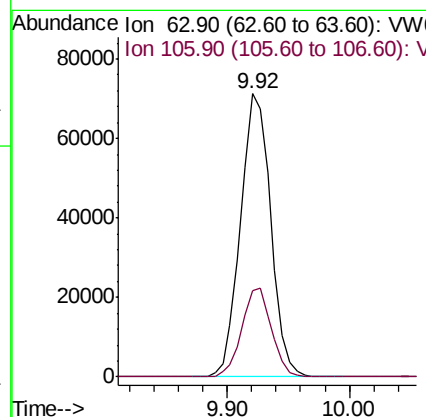
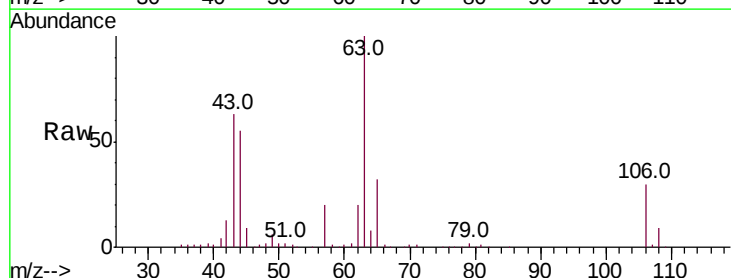
Instrument :
 MSVOA_W
 ClientSampled :

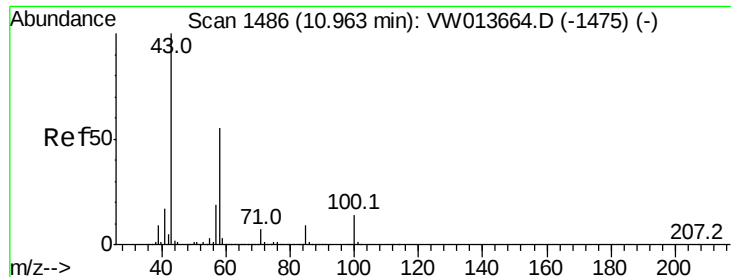
Tot Ion: 76 Resp: 79592
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 85.344 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013663.D
 Acq: 23 Oct 2019 12:16

Tgt Ion: 63 Resp: 121846
 Ion Ratio Lower Upper
 63 100
 106 30.8 23.8 35.8

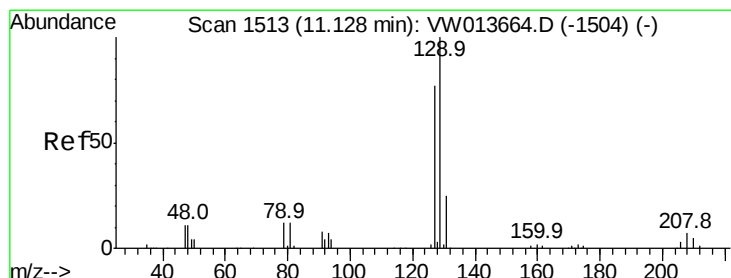
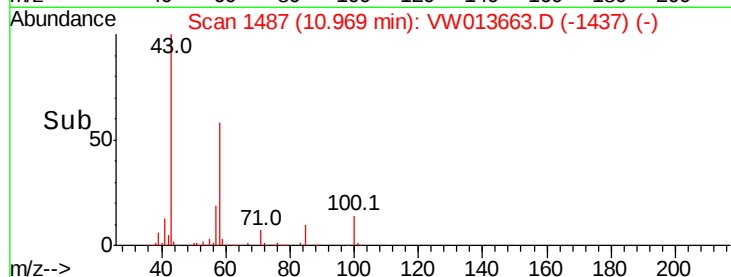
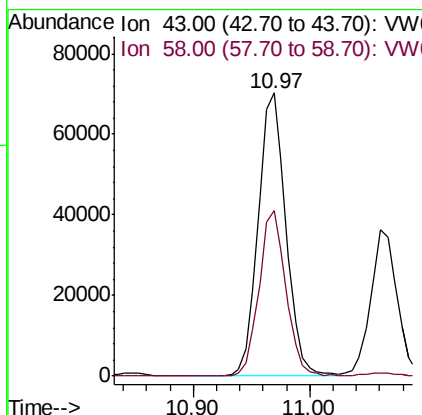
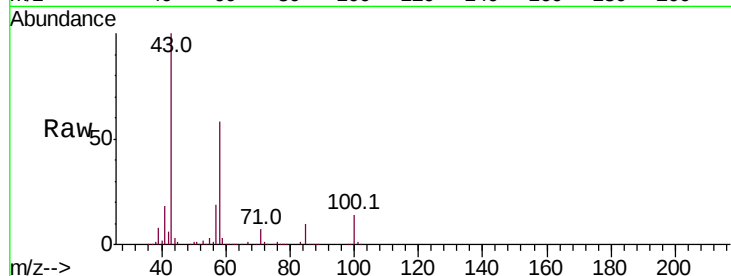




#59
2-Hexanone
Concen: 88.294 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW013663.D
Acq: 23 Oct 2019 12:16

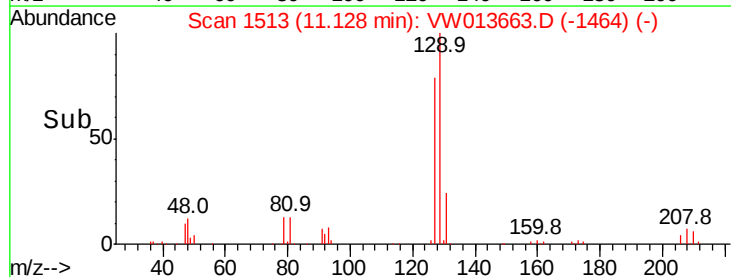
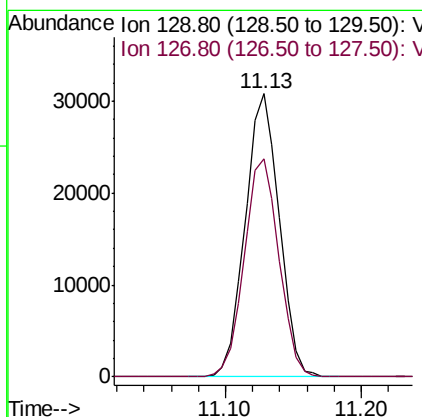
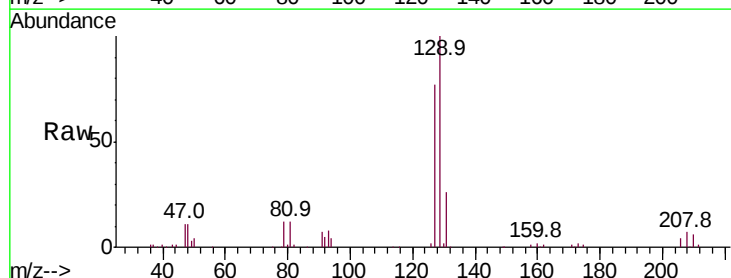
Instrument :
MSVOA_W
ClientSampleId :

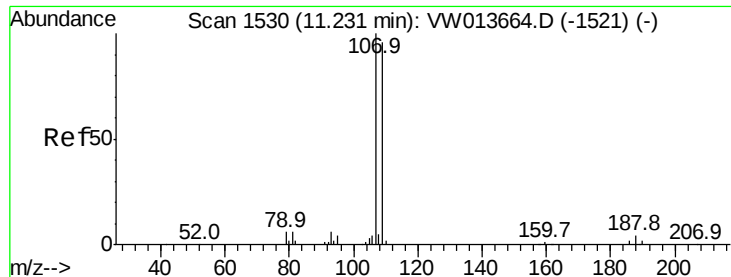
Tot Ion: 43 Resp: 116194
Ion Ratio Lower Upper
43 100
58 56.7 27.9 83.7



#60
Dibromochloromethane
Concen: 20.512 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013663.D
Acq: 23 Oct 2019 12:16

Tgt Ion: 129 Resp: 53900
Ion Ratio Lower Upper
129 100
127 78.4 38.9 116.7

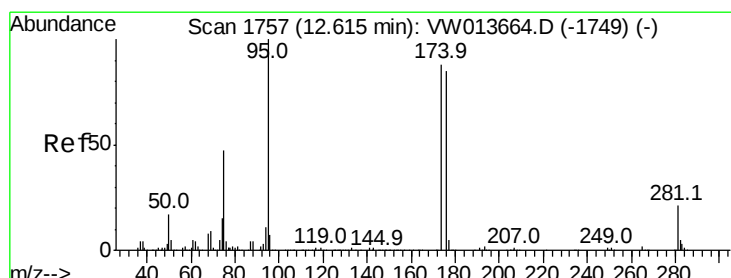
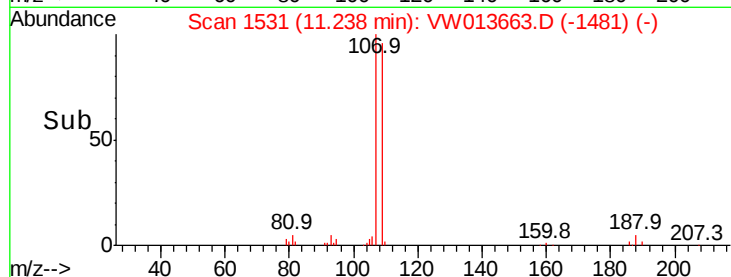
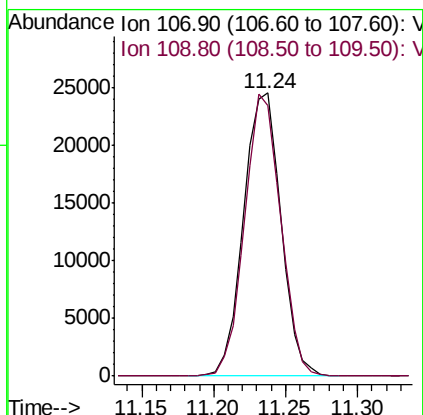
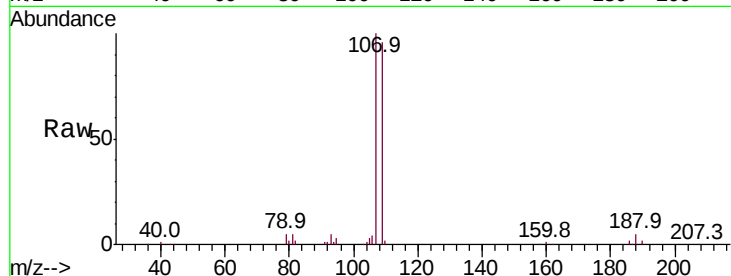




#61
 1,2-Dibromoethane
 Concen: 20.247 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW013663.D
 Acq: 23 Oct 2019 12:16

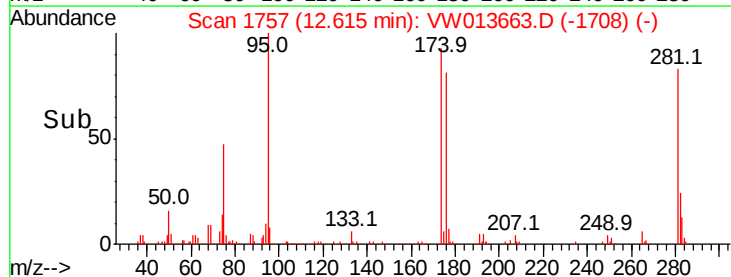
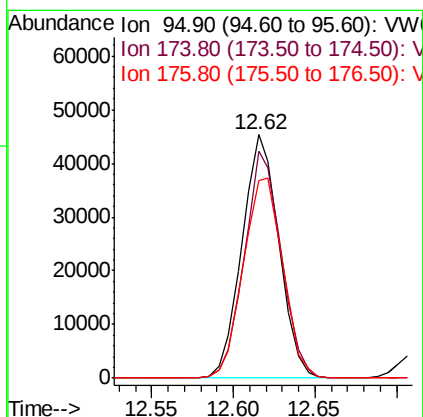
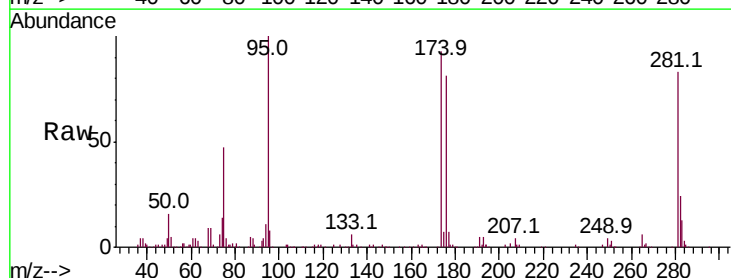
Instrument :
 MSVOA_W
 ClientSampled :

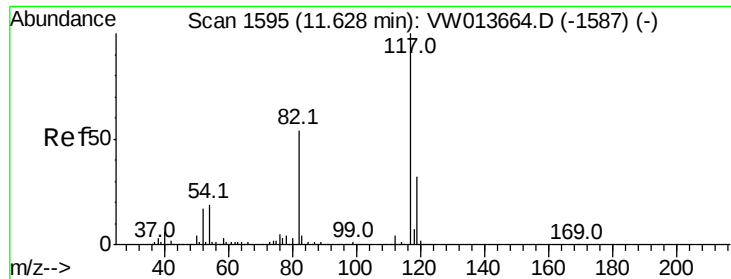
Tot Ion:107 Resp: 44000
 Ion Ratio Lower Upper
 107 100
 109 96.3 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 17.876 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013663.D
 Acq: 23 Oct 2019 12:16

Tgt Ion: 95 Resp: 71433
 Ion Ratio Lower Upper
 95 100
 174 92.8 0.0 183.6
 176 88.1 0.0 178.0

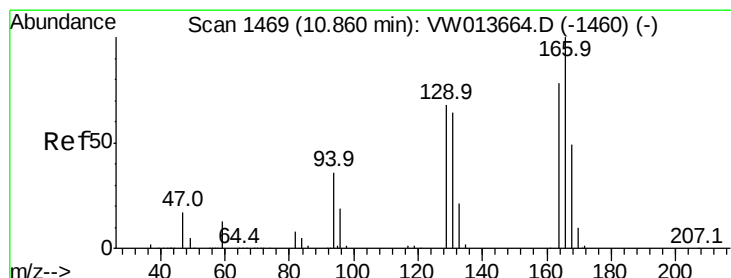
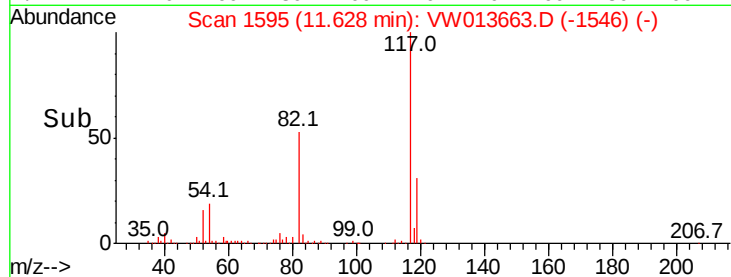
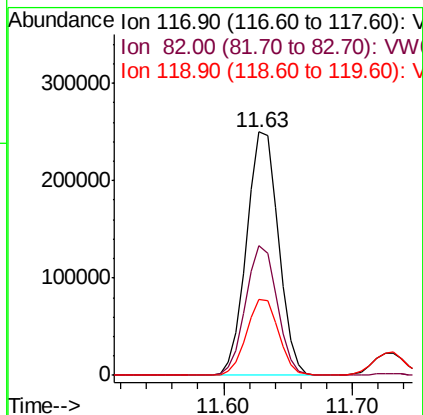
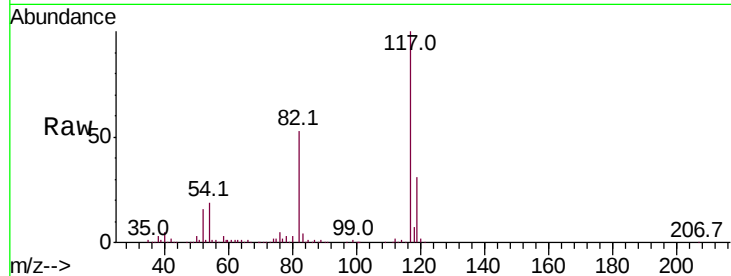




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013663.D
Acq: 23 Oct 2019 12:16

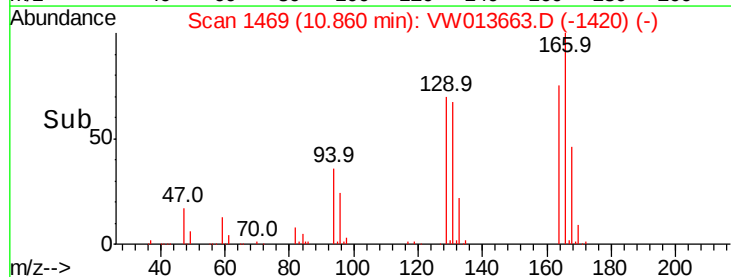
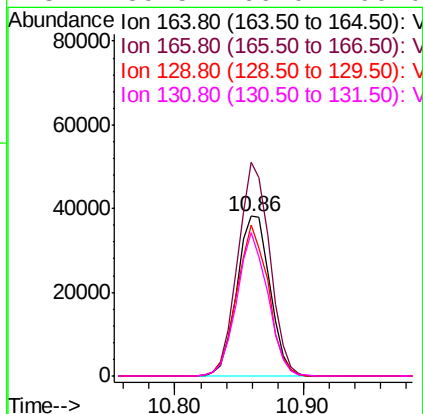
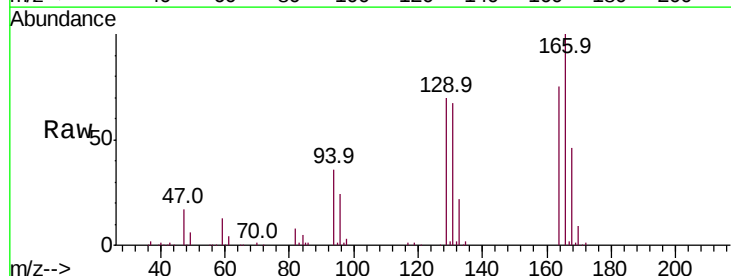
Instrument :
MSVOA_W
ClientSampleId :

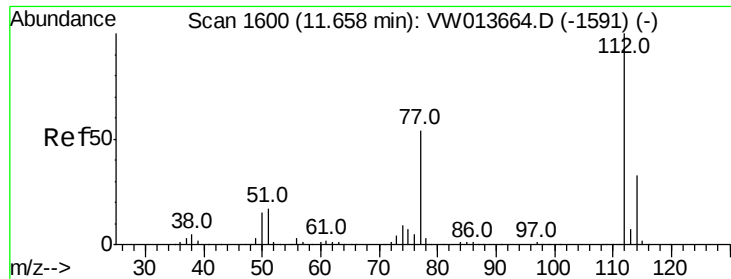
Tot Ion:117 Resp: 427342
Ion Ratio Lower Upper
117 100
82 53.4 43.6 65.4
119 31.4 25.4 38.2



#64
Tetrachloroethene
Concen: 21.404 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013663.D
Acq: 23 Oct 2019 12:16

Tgt Ion:164 Resp: 67773
Ion Ratio Lower Upper
164 100
166 133.5 103.2 154.8
129 94.1 70.6 105.8
131 89.5 66.0 99.0





#65

Chlorobenzene

Concen: 20.927 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

Instrument :

MSVOA_W

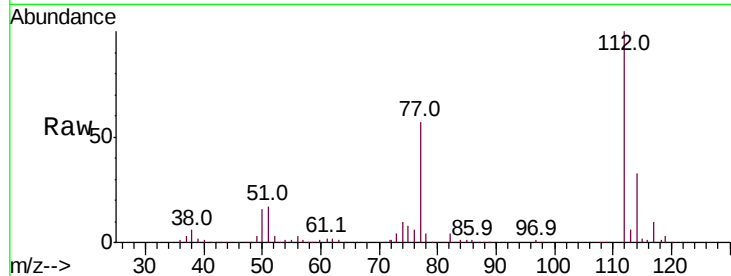
ClientSampled :

Tot Ion:112 Resp: 178679

Ion Ratio Lower Upper

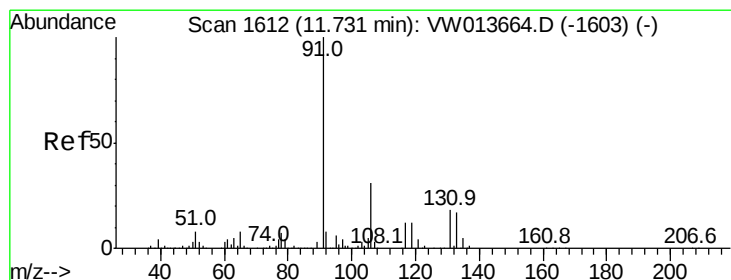
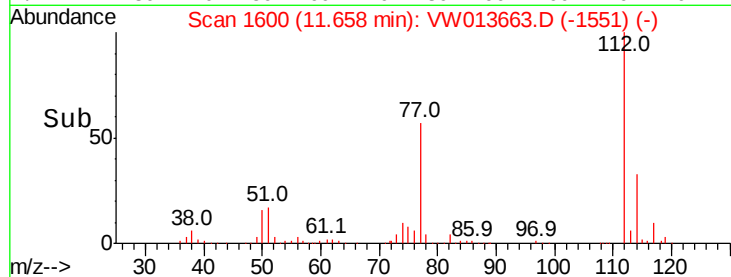
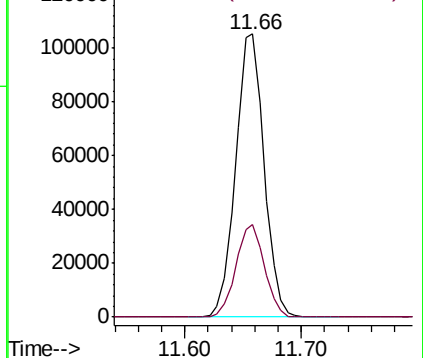
112 100

114 32.8 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.109 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

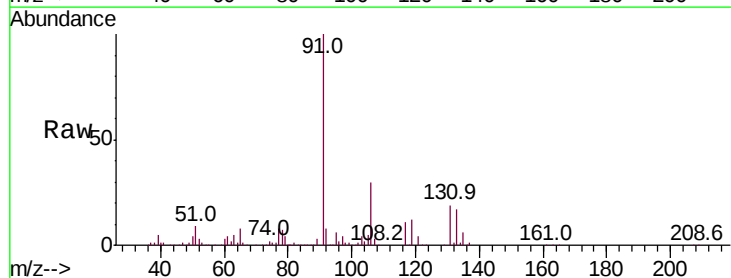
Tgt Ion:131 Resp: 62759

Ion Ratio Lower Upper

131 100

133 93.8 47.4 142.3

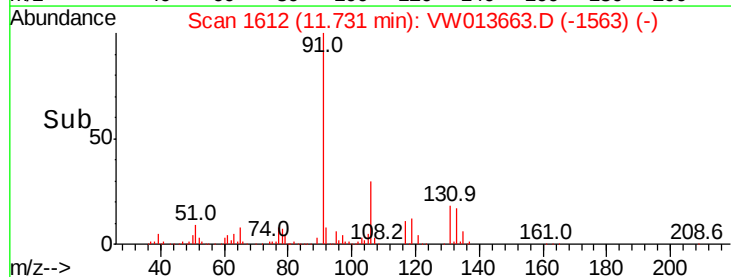
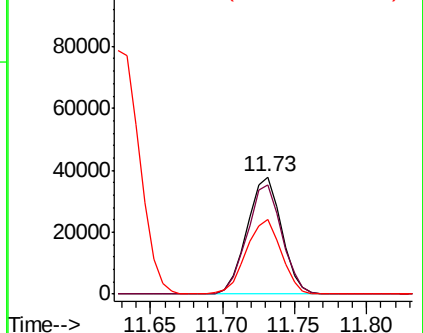
119 64.5 33.1 99.2

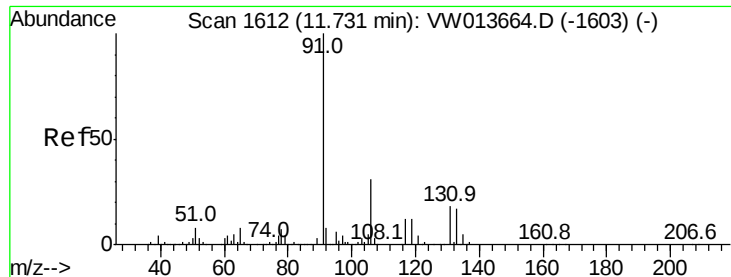


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

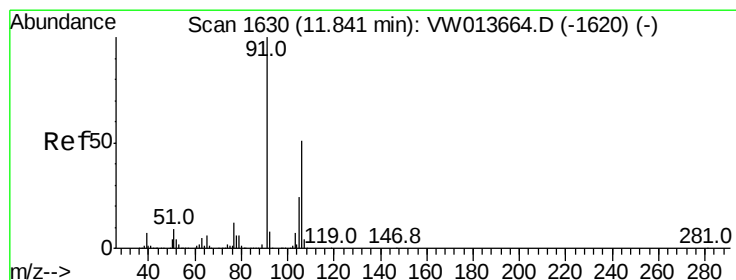
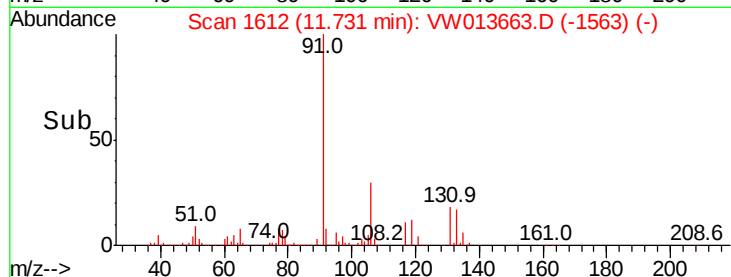
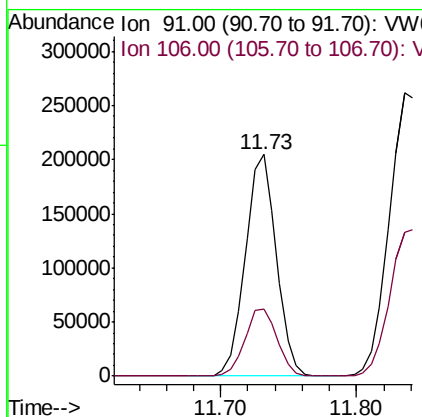
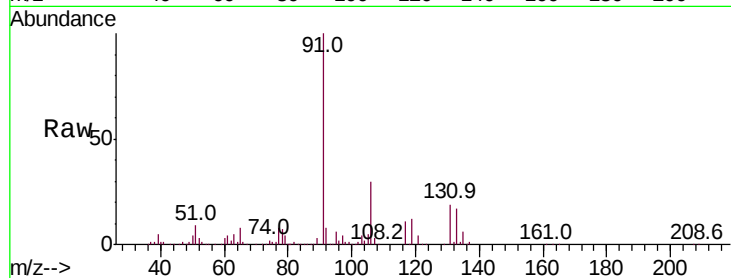




#67
Ethyl Benzene
Concen: 20.917 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013663.D
Acq: 23 Oct 2019 12:16

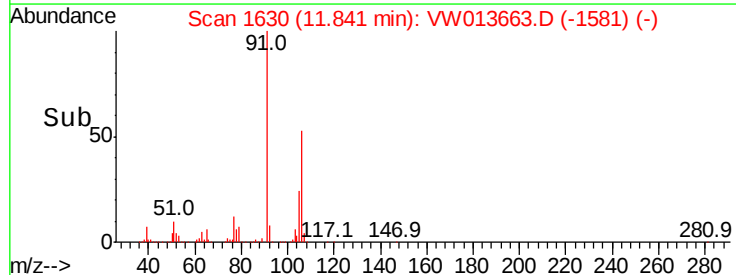
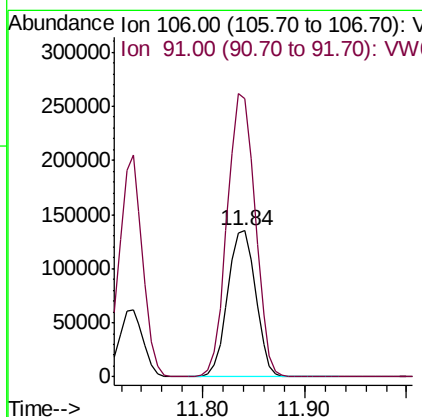
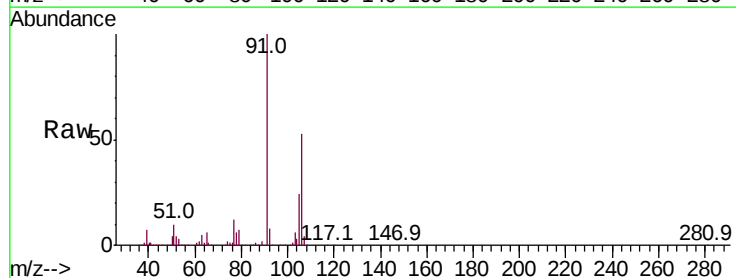
Instrument :
MSVOA_W
ClientSampleId :

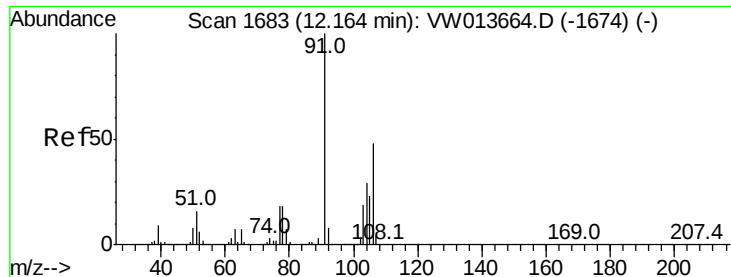
Tot Ion: 91 Resp: 326753
Ion Ratio Lower Upper
91 100
106 30.3 25.0 37.6



#68
m/p-Xylenes
Concen: 43.266 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013663.D
Acq: 23 Oct 2019 12:16

Tgt Ion: 106 Resp: 257107
Ion Ratio Lower Upper
106 100
91 193.7 159.2 238.8

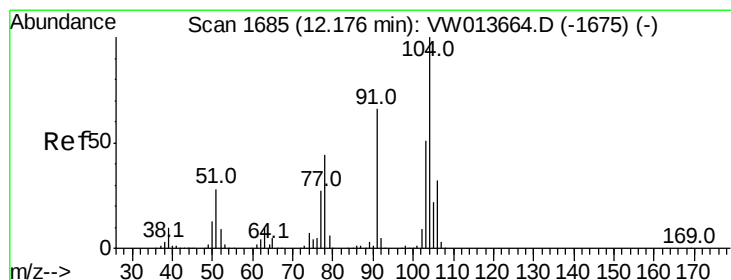
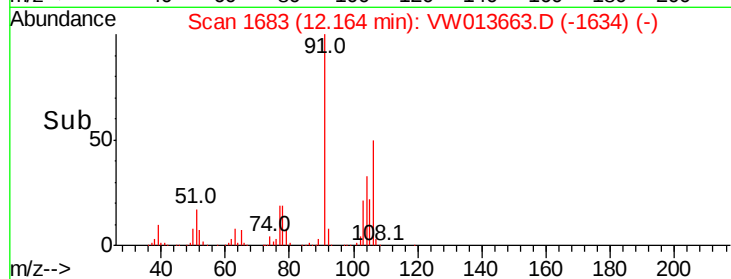
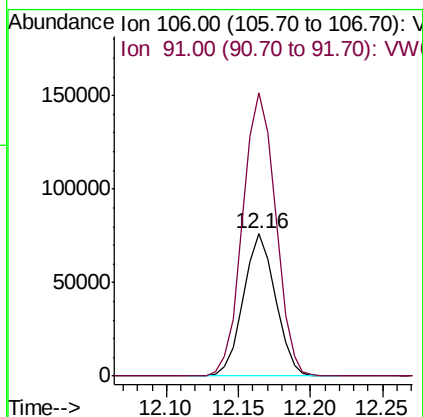
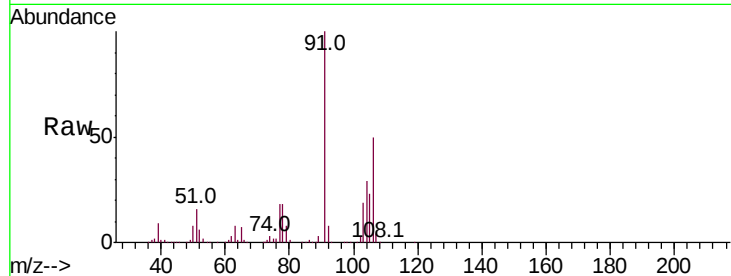




#69
o-Xylene
Concen: 21.336 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013663.D
Acq: 23 Oct 2019 12:16

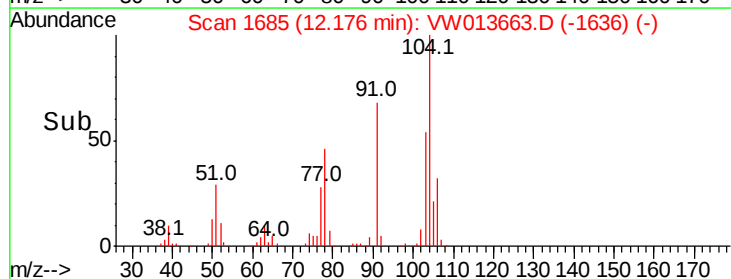
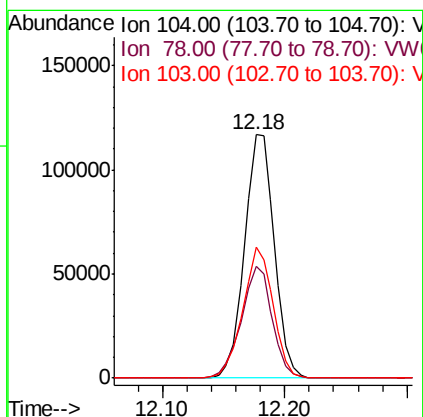
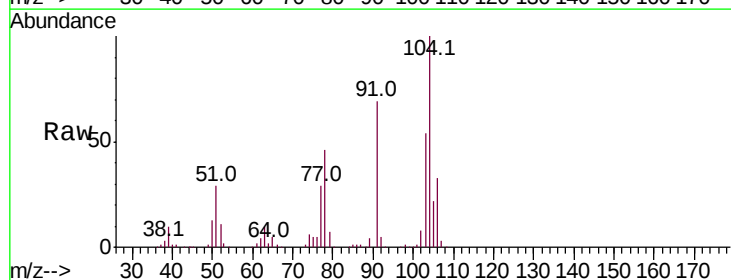
Instrument :
MSVOA_W
ClientSampleId :

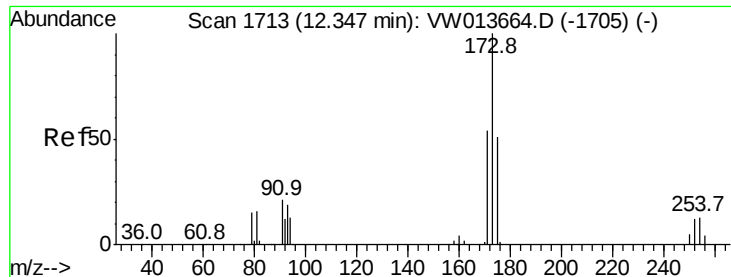
Tot Ion:106 Resp: 117358
Ion Ratio Lower Upper
106 100
91 205.1 104.9 314.7



#70
Styrene
Concen: 20.921 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW013663.D
Acq: 23 Oct 2019 12:16

Tgt Ion:104 Resp: 197464
Ion Ratio Lower Upper
104 100
78 47.6 37.1 55.7
103 54.9 43.6 65.4





#71

Bromoform

Concen: 19.873 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

Instrument :

MSVOA_W

ClientSampleId :

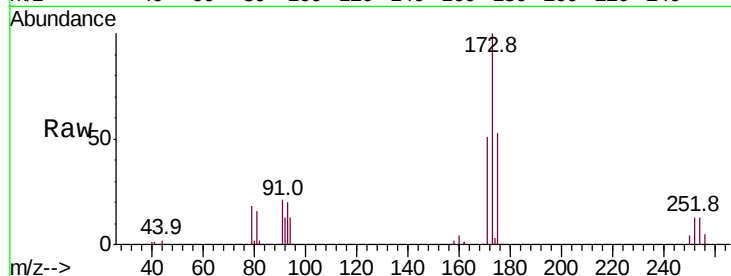
Tot Ion:173 Resp: 32139

Ion Ratio Lower Upper

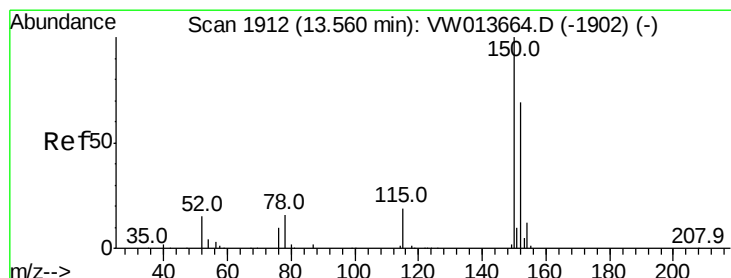
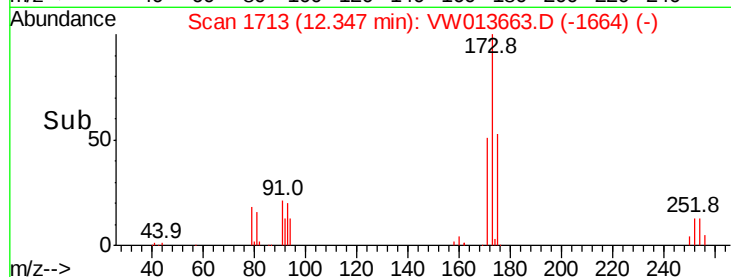
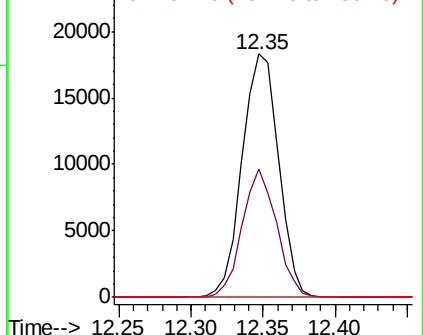
173 100

175 49.4 25.2 75.6

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

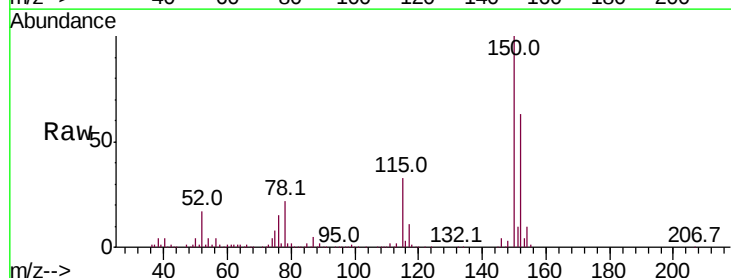
Tgt Ion:152 Resp: 218816

Ion Ratio Lower Upper

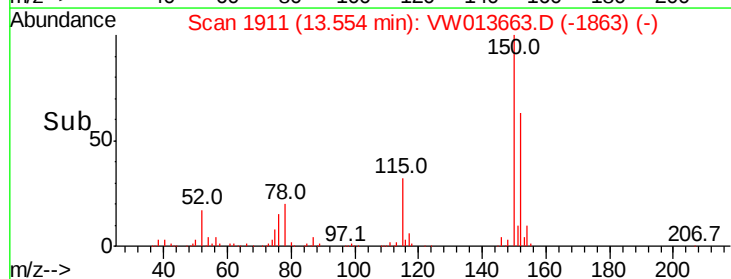
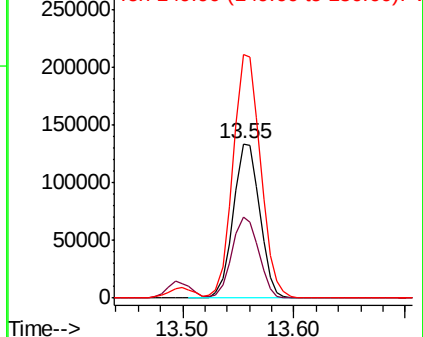
152 100

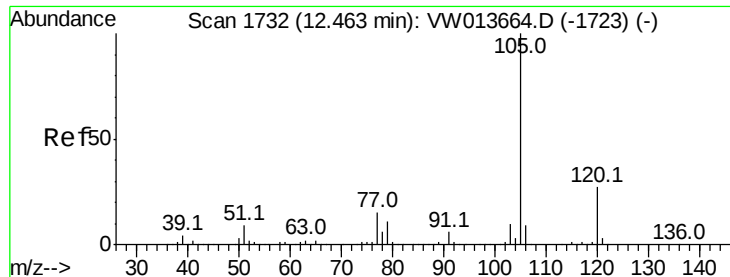
115 53.1 27.4 82.2

150 165.4 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: 20.631 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

Instrument :

MSVOA_W

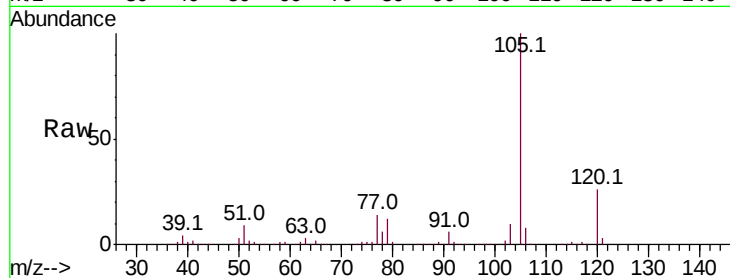
ClientSampleId :

Tot Ion:105 Resp: 324021

Ion Ratio Lower Upper

105 100

120 26.4 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

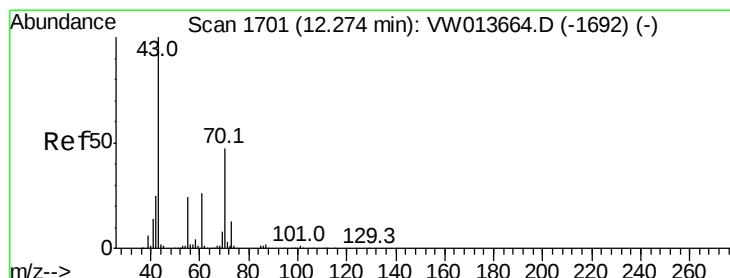
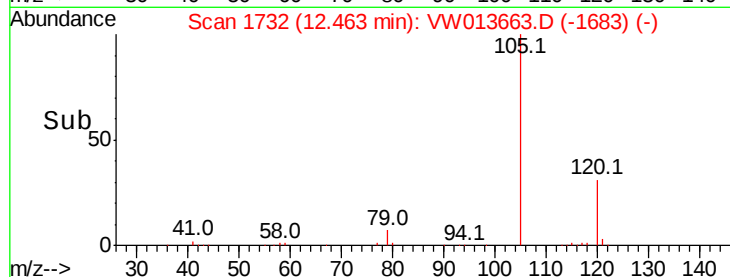
50000

0

12.46

12.40 12.50

Time-->



#74

N-ethyl acetate

Concen: 18.585 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

Tgt Ion: 43 Resp: 62675

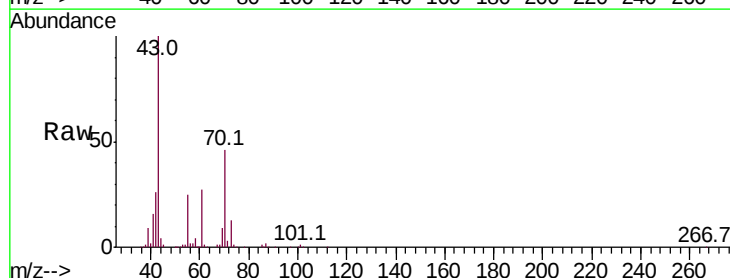
Ion Ratio Lower Upper

43 100

70 44.6 36.6 55.0

55 26.3 20.3 30.5

61 25.6 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

60000

50000

40000

30000

20000

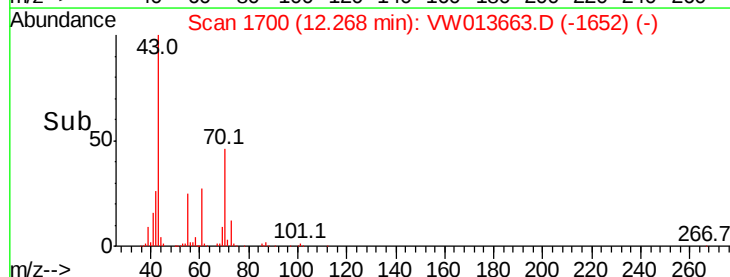
10000

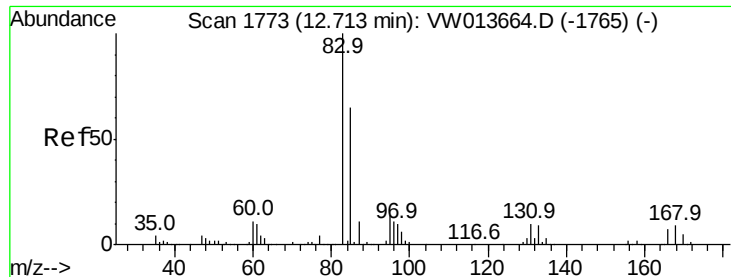
0

12.27

12.20 12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.002 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

Instrument :

MSVOA_W

ClientSampled :

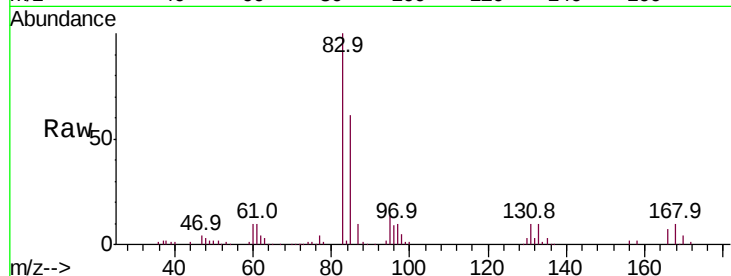
Tot Ion: 83 Resp: 50262

Ion Ratio Lower Upper

83 100

131 10.9 5.7 17.1

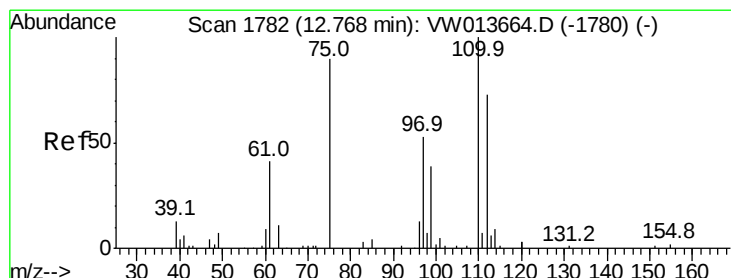
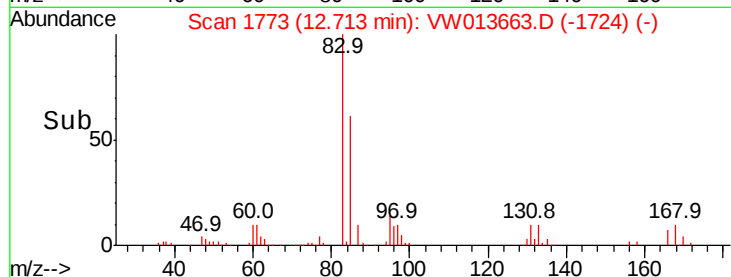
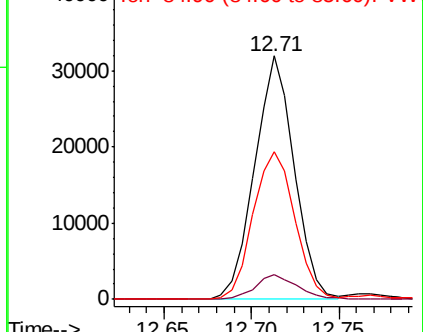
85 63.7 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 35.815 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013663.D

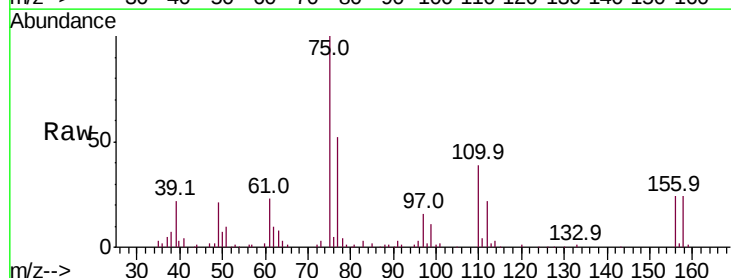
Acq: 23 Oct 2019 12:16

Tgt Ion: 75 Resp: 64386

Ion Ratio Lower Upper

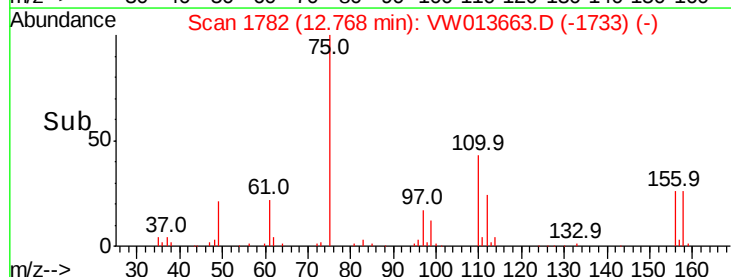
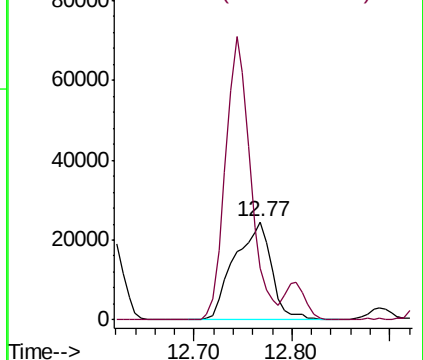
75 100

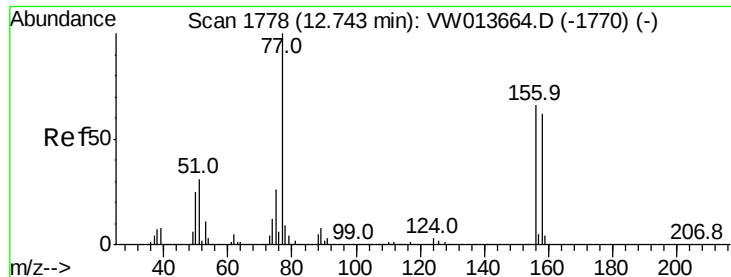
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.374 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

Instrument :

MSVOA_W

ClientSampleId :

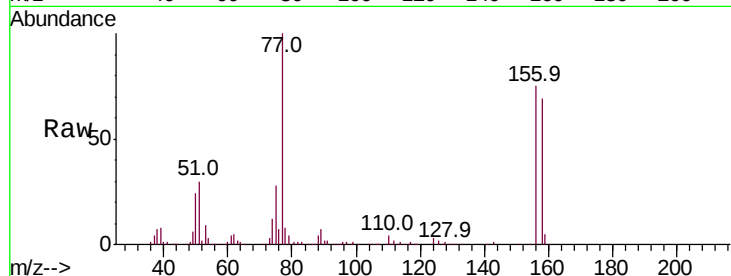
Tot Ion:156 Resp: 76093

Ion Ratio Lower Upper

156 100

77 167.2 82.9 248.7

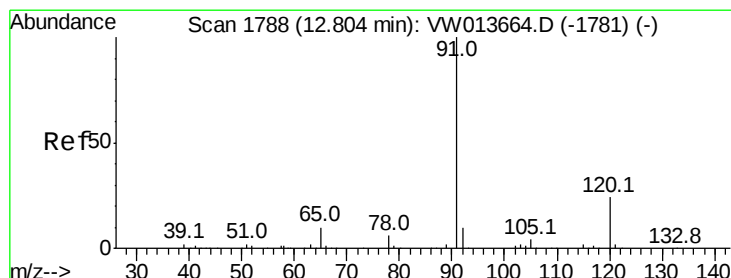
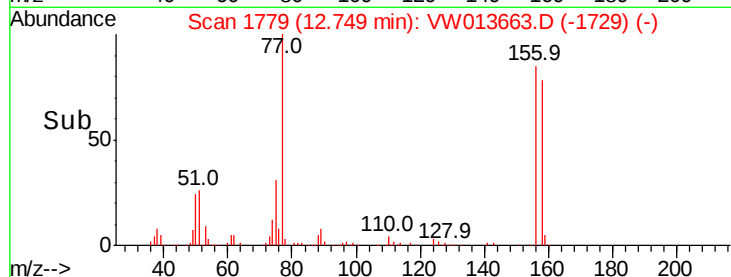
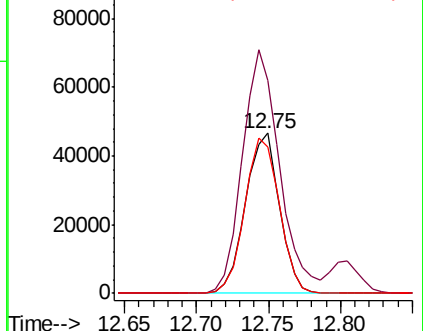
158 98.8 48.4 145.2



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: 20.940 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013663.D

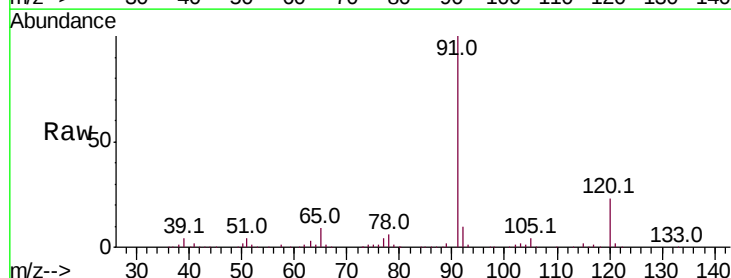
Acq: 23 Oct 2019 12:16

Tgt Ion: 91 Resp: 380460

Ion Ratio Lower Upper

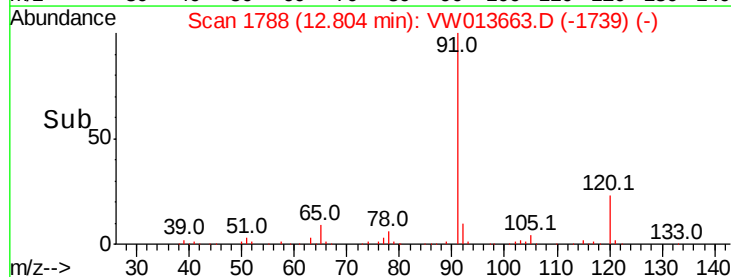
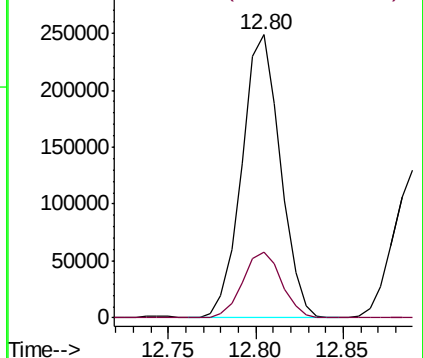
91 100

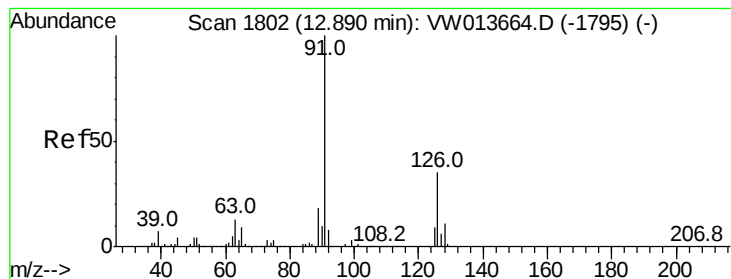
120 23.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.408 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

Instrument :

MSVOA_W

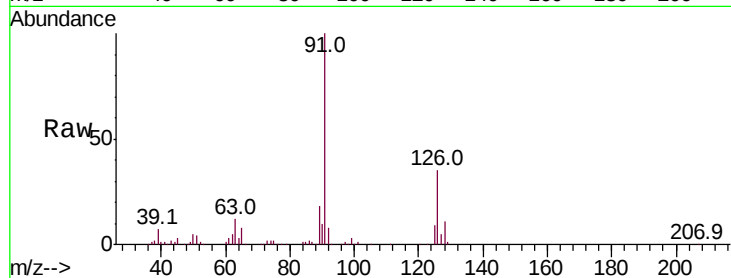
ClientSampled :

Tot Ion: 91 Resp: 208116

Ion Ratio Lower Upper

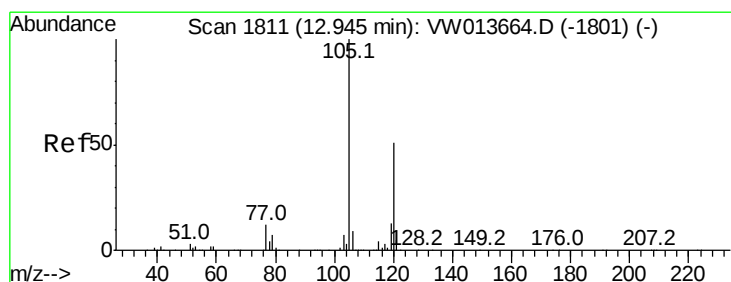
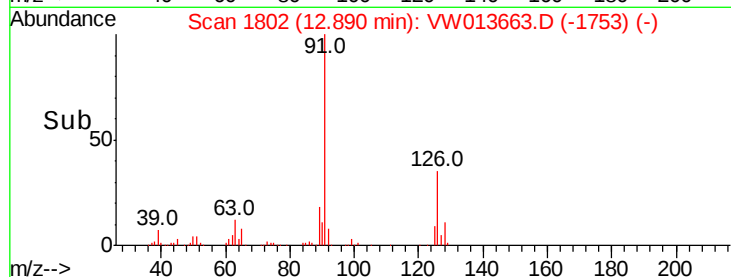
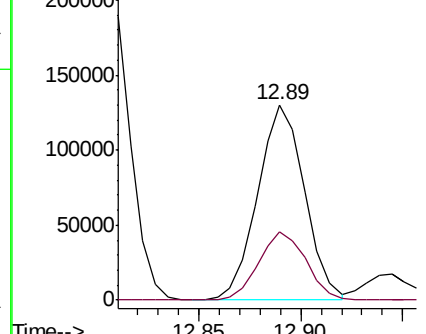
91 100

126 35.3 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: 20.834 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013663.D

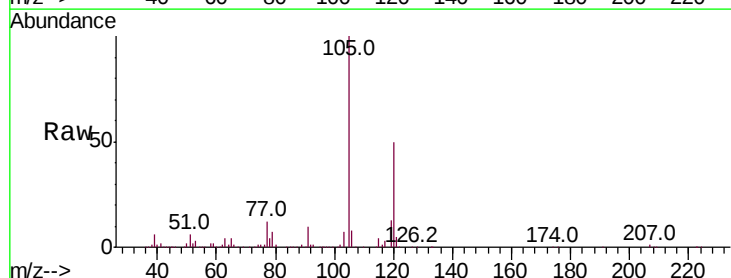
Acq: 23 Oct 2019 12:16

Tgt Ion:105 Resp: 273201

Ion Ratio Lower Upper

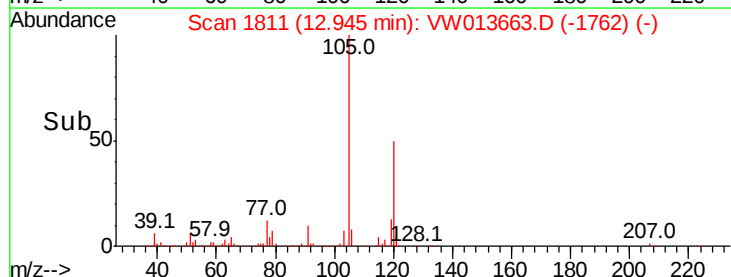
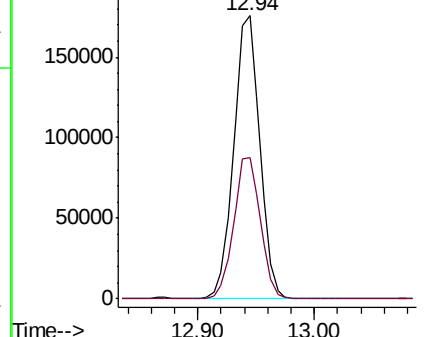
105 100

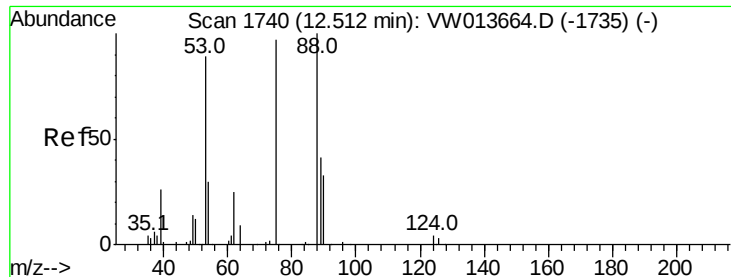
120 51.2 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

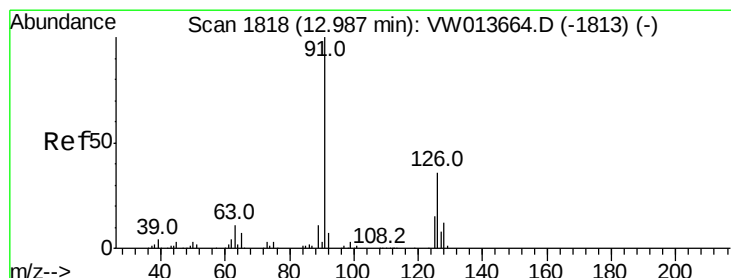
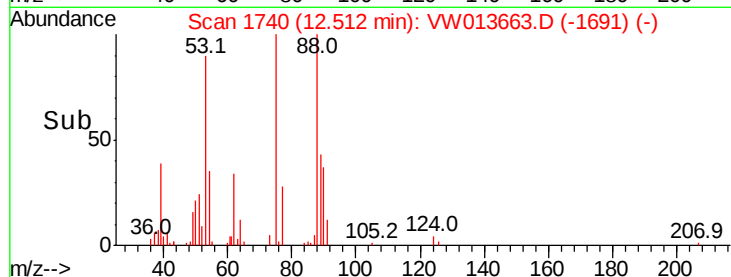
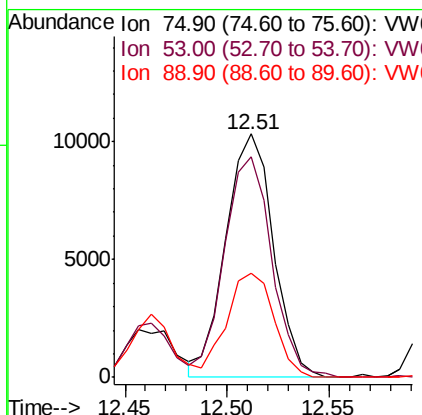
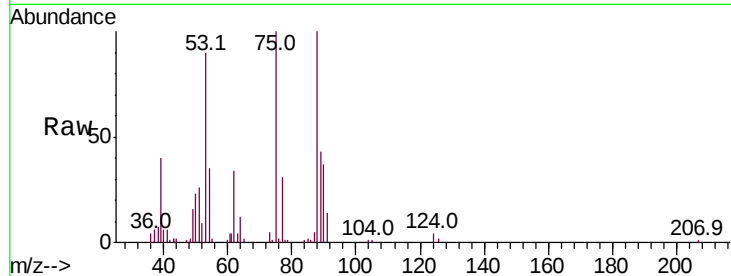




#81
trans-1,4-Dichloro-2-butene
Concen: 18.977 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013663.D
Acq: 23 Oct 2019 12:16

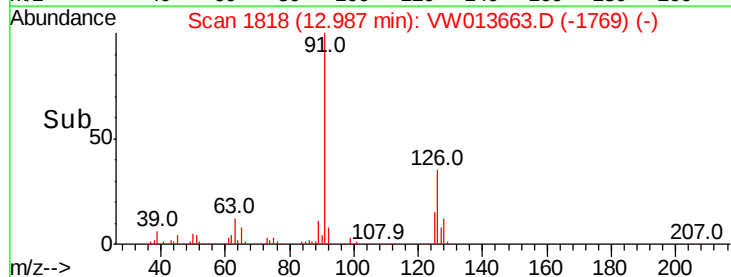
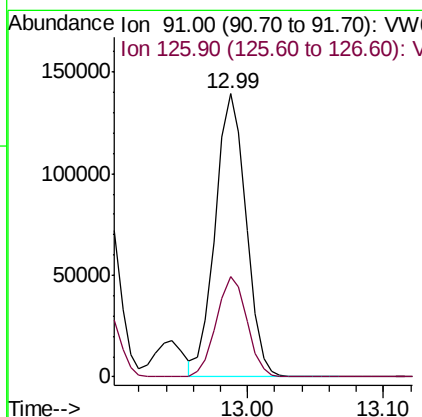
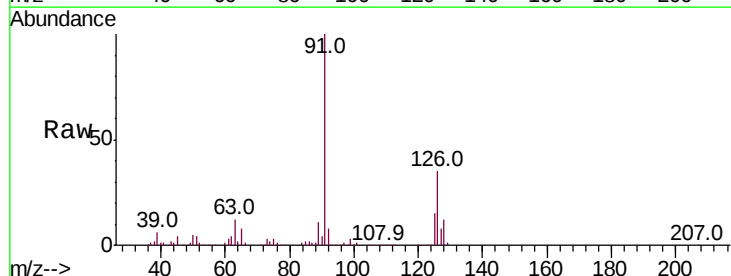
Instrument :
MSVOA_W
ClientSampled :

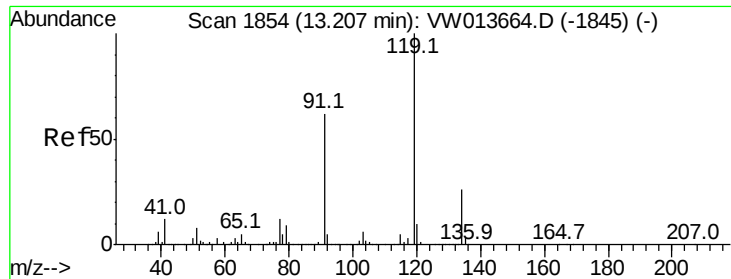
Tot Ion: 75 Resp: 16741
Ion Ratio Lower Upper
75 100
53 90.3 71.7 107.5
89 41.9 35.8 53.8



#82
4-Chlorotoluene
Concen: 20.653 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013663.D
Acq: 23 Oct 2019 12:16

Tgt Ion: 91 Resp: 219107
Ion Ratio Lower Upper
91 100
126 35.1 17.2 51.5

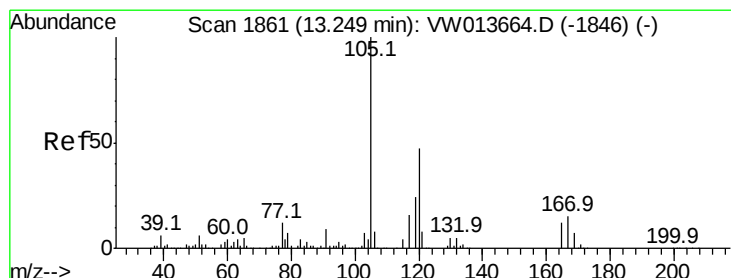
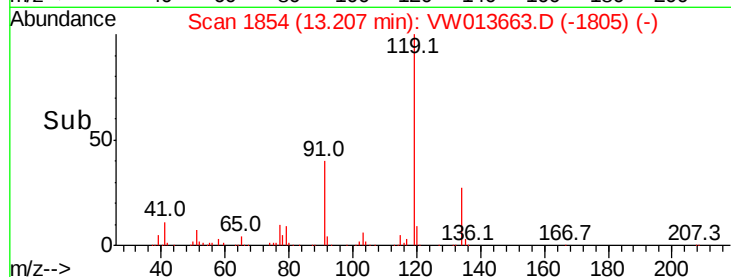
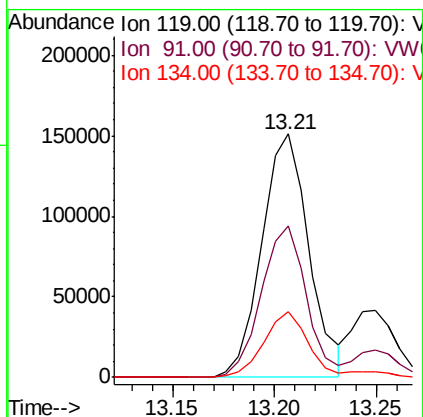
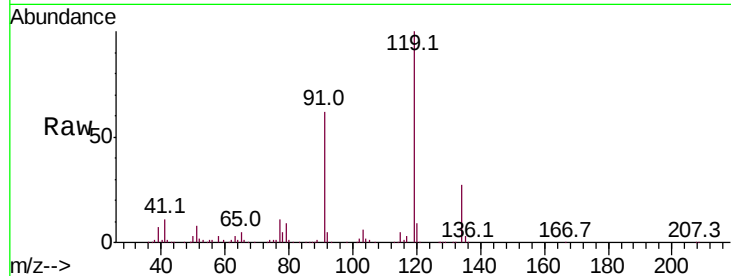




#83
tert-Butylbenzene
Concen: 20.933 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013663.D
Acq: 23 Oct 2019 12:16

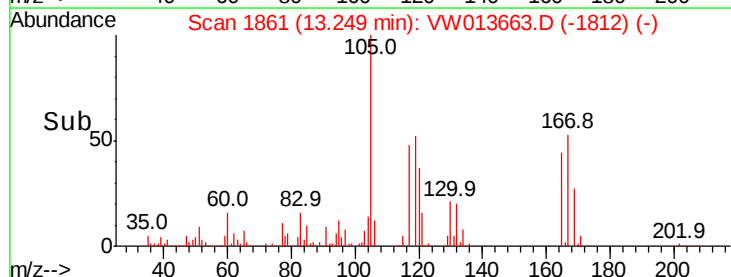
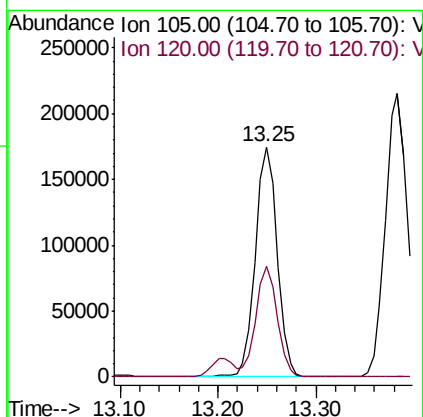
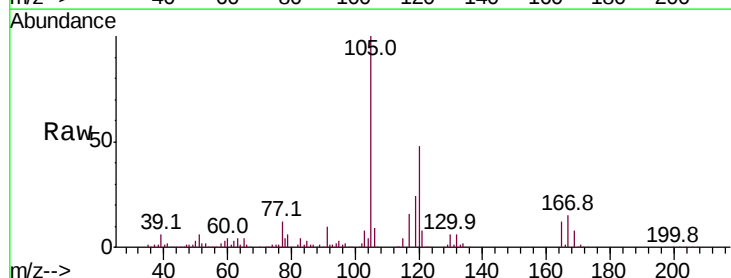
Instrument :
MSVOA_W
ClientSampled :

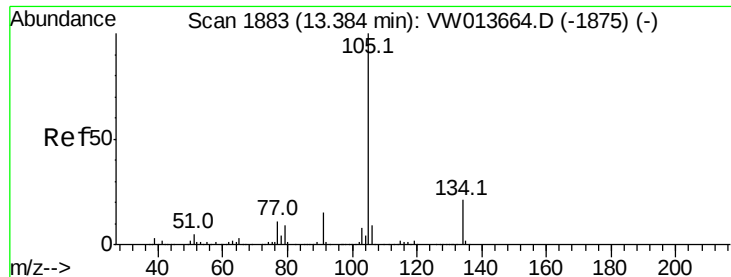
Tot Ion:119 Resp: 243752
Ion Ratio Lower Upper
119 100
91 59.5 30.4 91.3
134 25.9 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 20.970 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013663.D
Acq: 23 Oct 2019 12:16

Tgt Ion:105 Resp: 271959
Ion Ratio Lower Upper
105 100
120 47.0 23.5 70.5





#85

sec-Butylbenzene

Concen: 20.767 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

Instrument :

MSVOA_W

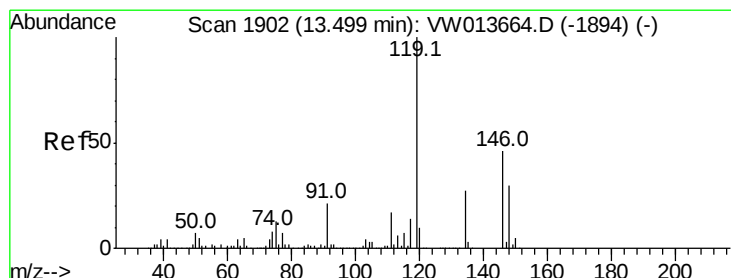
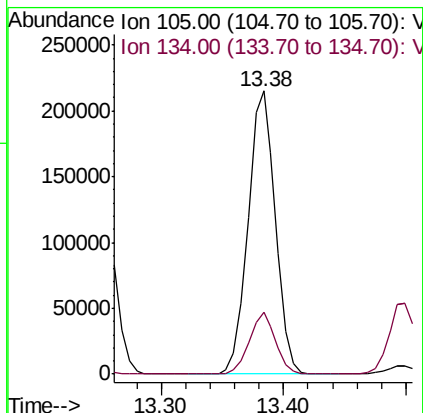
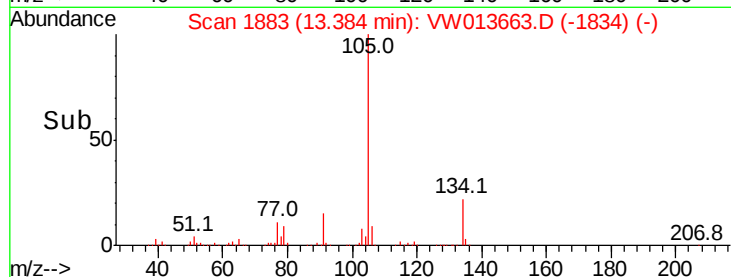
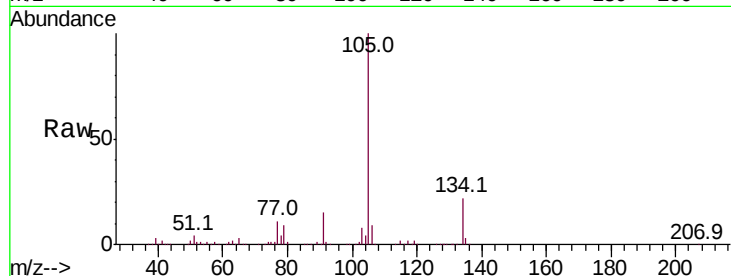
ClientSampleId :

Tot Ion:105 Resp: 332862

Ion Ratio Lower Upper

105 100

134 20.9 10.5 31.5



#86

p-Isopropyltoluene

Concen: 21.033 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

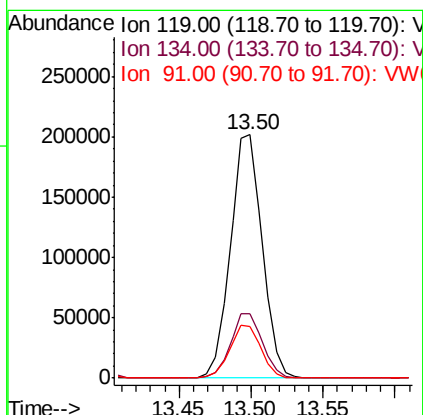
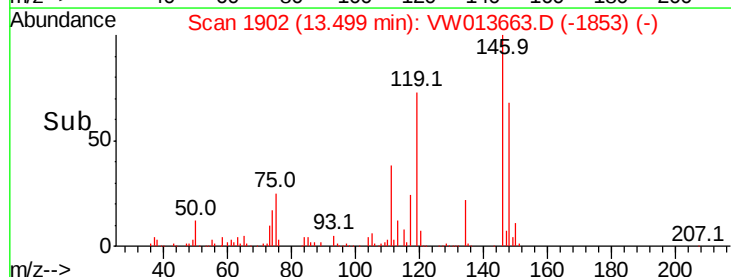
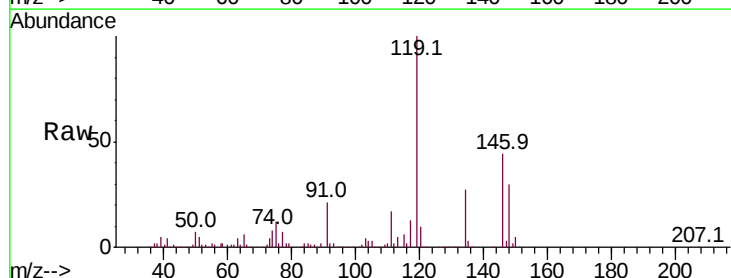
Tgt Ion:119 Resp: 310519

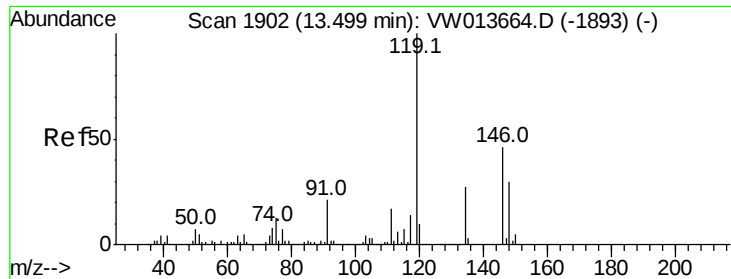
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

91 21.5 10.8 32.3

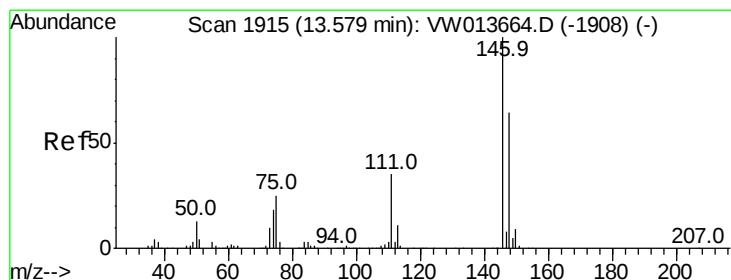
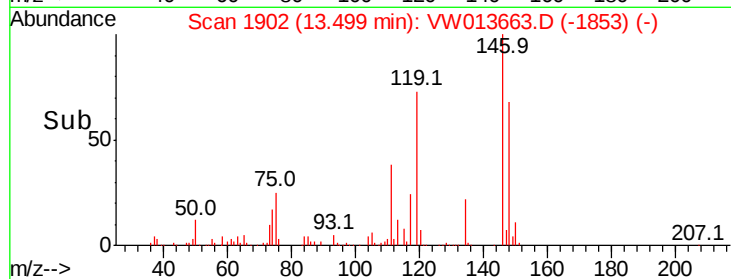
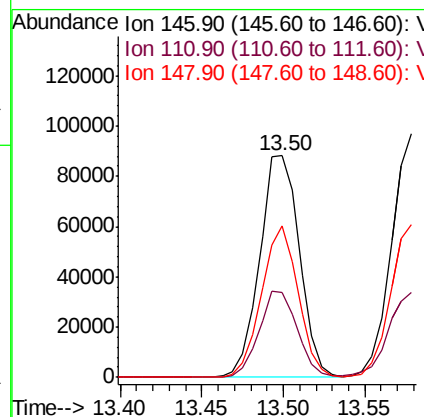
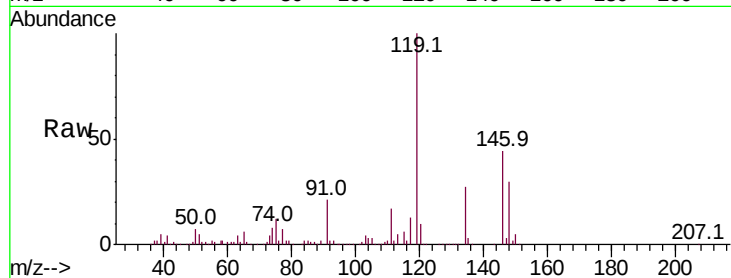




#87
 1,3-Dichlorobenzene
 Concen: 21.061 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013663.D
 Acq: 23 Oct 2019 12:16

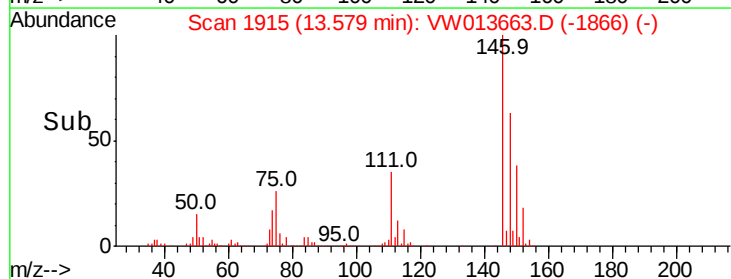
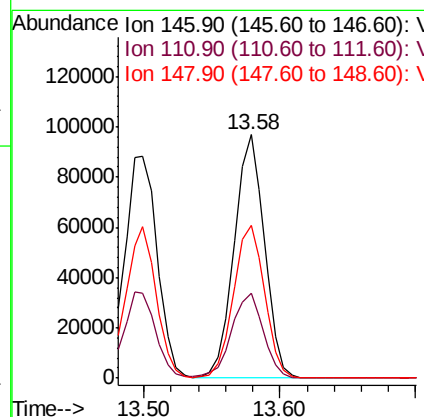
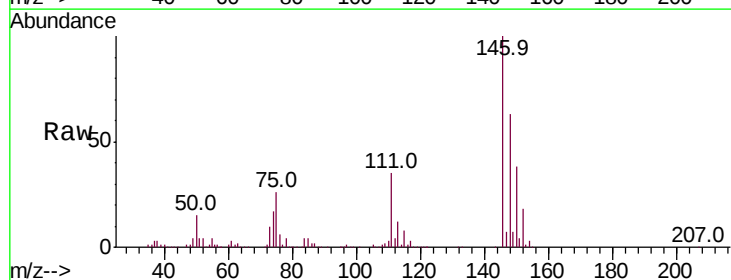
Instrument :
 MSVOA_W
 ClientSampleId :

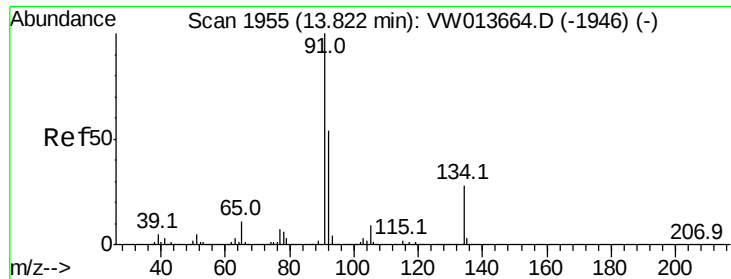
Tot Ion:146 Resp: 149529
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.6 56.0
 148 63.0 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 21.540 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013663.D
 Acq: 23 Oct 2019 12:16

Tgt Ion:146 Resp: 149876
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.1 54.3
 148 64.6 32.0 96.2

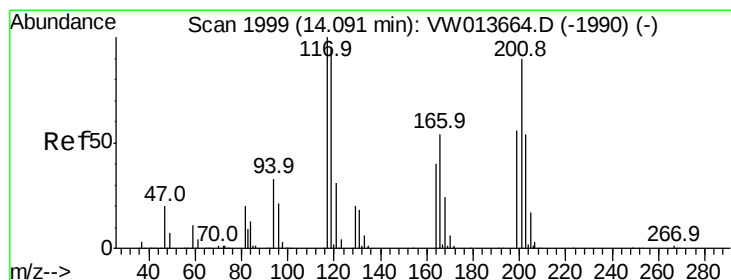
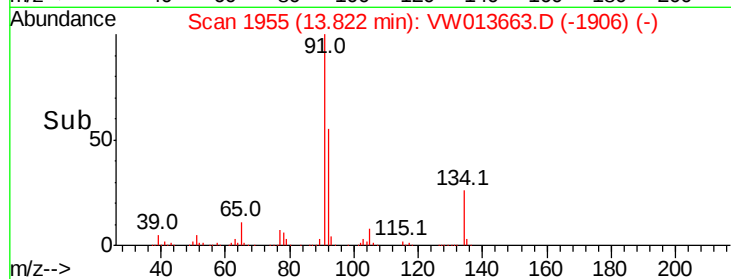
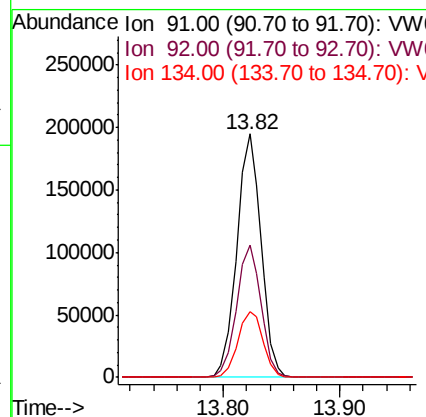
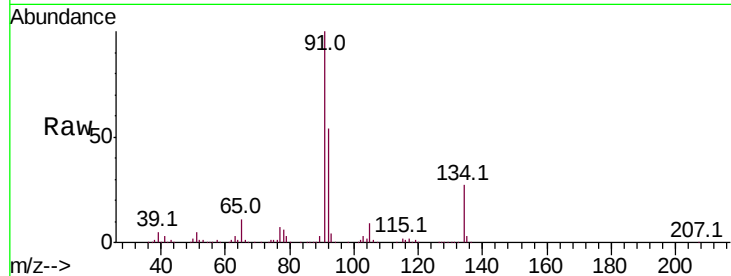




#89
n-Butylbenzene
Concen: 21.187 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013663.D
Acq: 23 Oct 2019 12:16

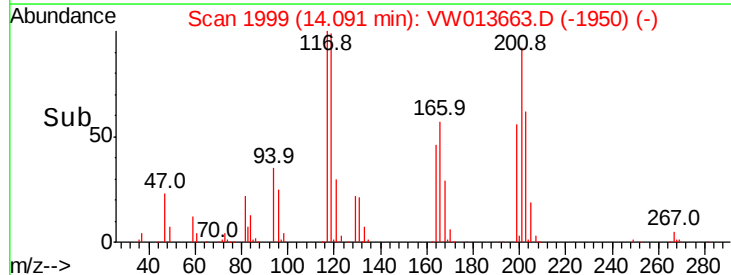
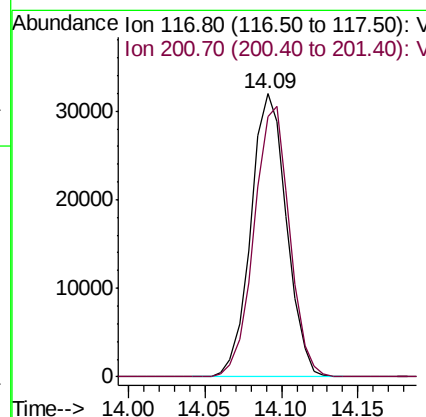
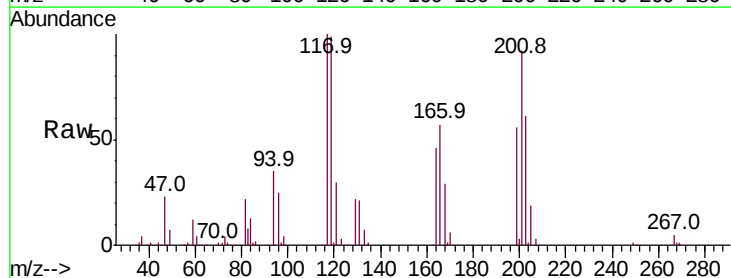
Instrument :
MSVOA_W
ClientSampled :

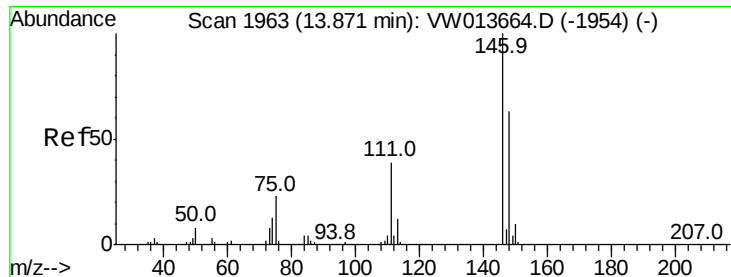
Tot Ion: 91 Resp: 282453
Ion Ratio Lower Upper
91 100
92 54.9 27.5 82.4
134 28.2 14.0 41.9



#90
Hexachloroethane
Concen: 20.394 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013663.D
Acq: 23 Oct 2019 12:16

Tgt Ion: 117 Resp: 51864
Ion Ratio Lower Upper
117 100
201 94.8 46.1 138.2





#91

1,2-Dichlorobenzene

Concen: 20.747 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

Instrument :

MSVOA_W

ClientSampled :

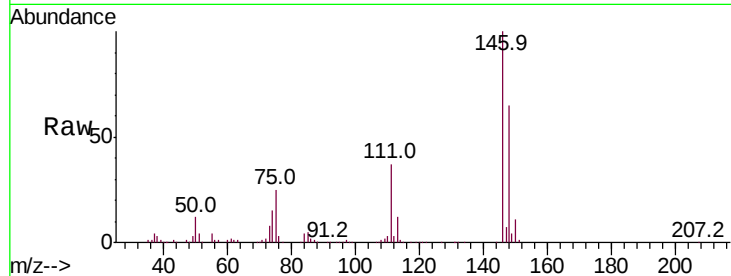
Tot Ion:146 Resp: 129645

Ion Ratio Lower Upper

146 100

111 37.9 19.9 59.6

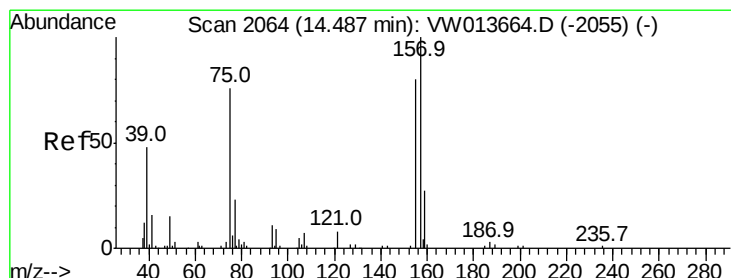
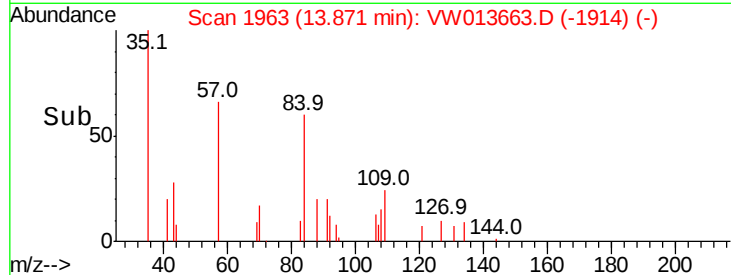
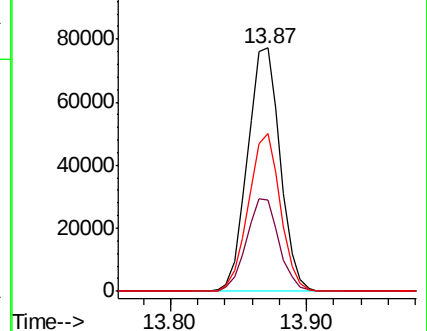
148 63.4 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.494 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW013663.D

Acq: 23 Oct 2019 12:16

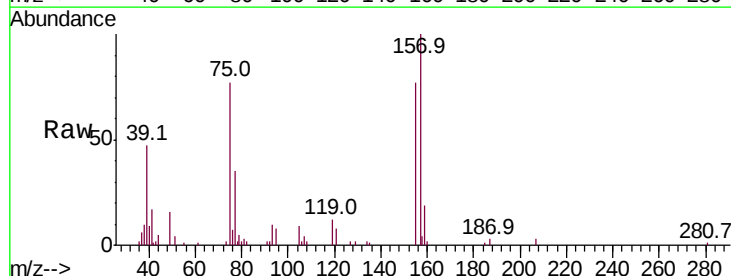
Tgt Ion: 75 Resp: 7750

Ion Ratio Lower Upper

75 100

155 99.5 51.9 155.7

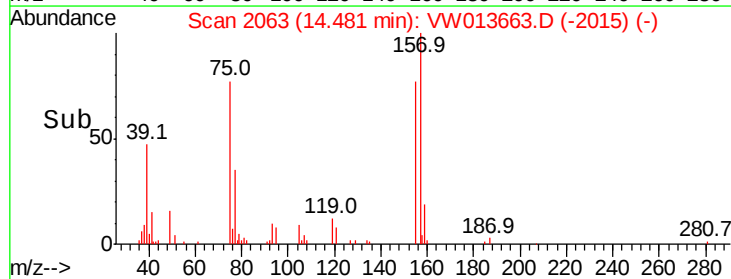
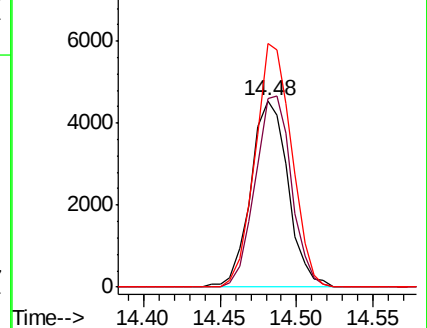
157 127.4 64.8 194.3

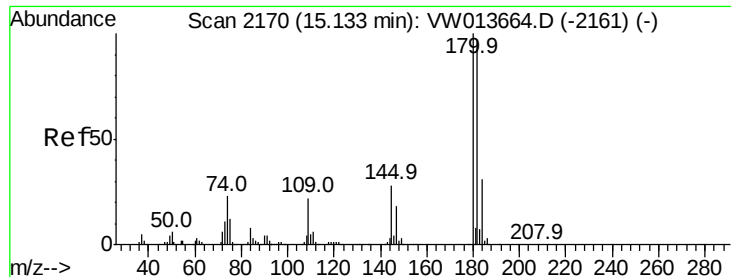


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

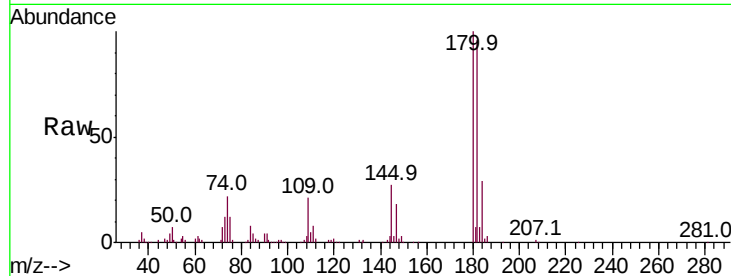




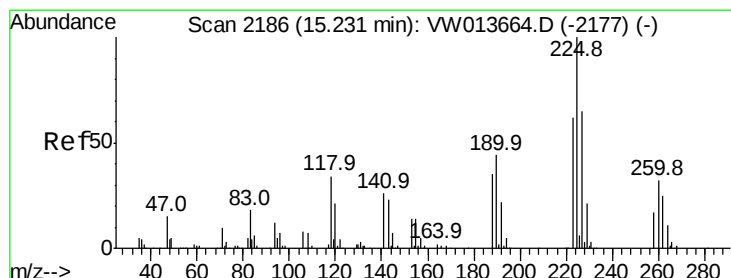
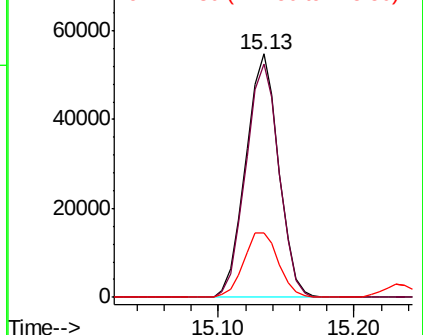
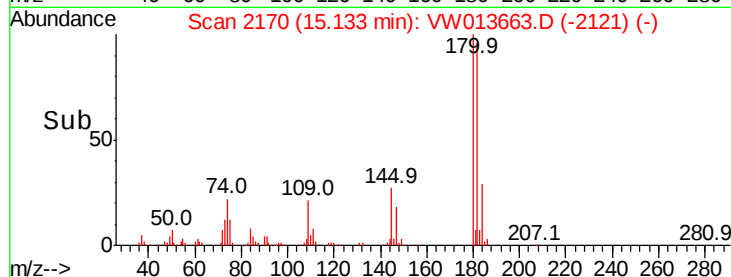
#93
 1,2,4-Trichlorobenzene
 Concen: 20.934 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013663.D
 Acq: 23 Oct 2019 12:16

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 92925
 Ion Ratio Lower Upper
 180 100
 182 96.6 47.4 142.2
 145 27.8 14.1 42.3

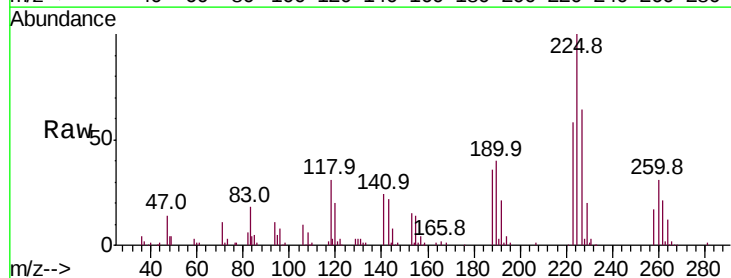


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

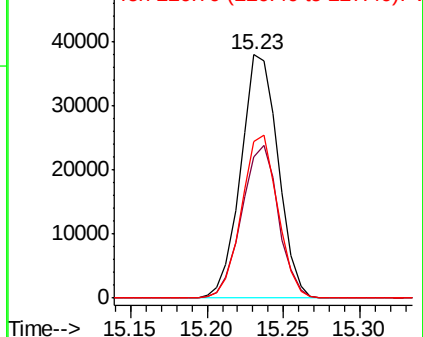
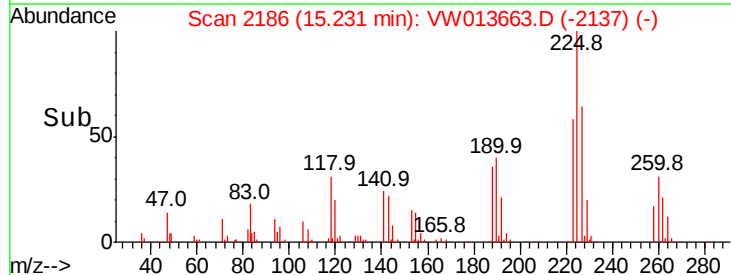


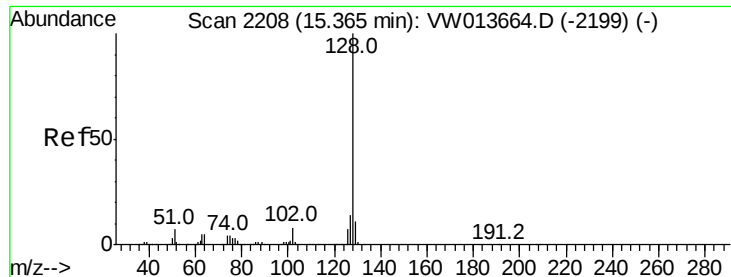
#94
 Hexachlorobutadiene
 Concen: 21.865 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: VW013663.D
 Acq: 23 Oct 2019 12:16

Tgt Ion:225 Resp: 64476
 Ion Ratio Lower Upper
 225 100
 223 61.5 31.9 95.9
 227 65.0 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

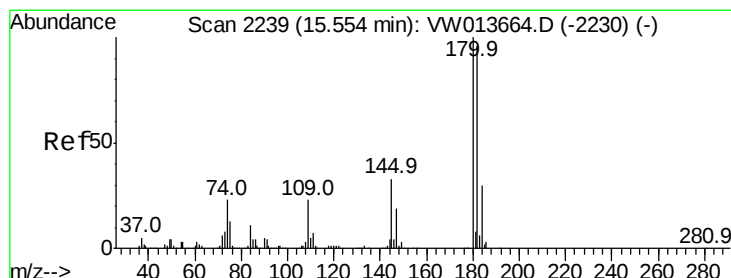
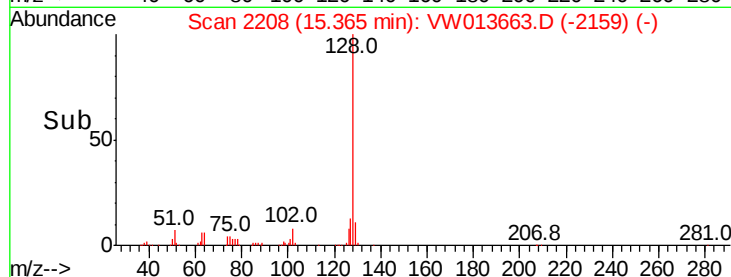
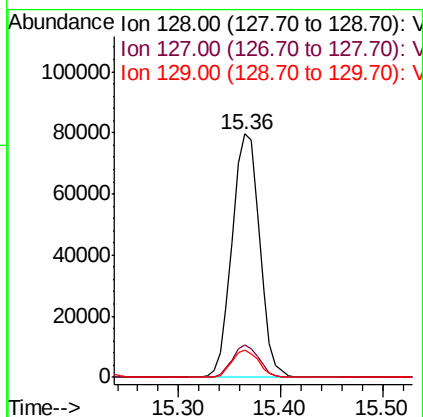
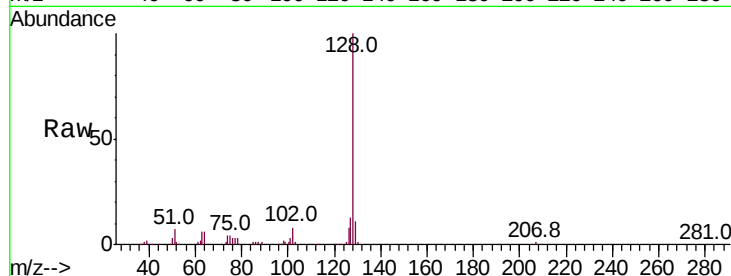




#95
Naphthalene
Concen: 19.522 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013663.D
Acq: 23 Oct 2019 12:16

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 148221
Ion Ratio Lower Upper
128 100
127 12.9 10.6 15.8
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.705 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013663.D
Acq: 23 Oct 2019 12:16

Tgt Ion:180 Resp: 80413
Ion Ratio Lower Upper
180 100
182 96.1 47.4 142.3
145 28.6 14.9 44.9

