

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062220\
 Data File : VW015649.D
 Acq On : 22 Jun 2020 15:01
 Operator : SY/VA
 Sample : VW0622SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0622SBSD01

Quant Time: Jun 23 05:45:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060220S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 02 13:57:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	222803	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	346064	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	320093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	162992	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	116303	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	
35) Dibromofluoromethane	7.89	113	100604	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
50) Toluene-d8	10.32	98	414771	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
62) 4-Bromofluorobenzene	12.62	95	152967	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	23548	18.919	ug/l	96
3) Chloromethane	2.21	50	28278	18.485	ug/l	99
4) Vinyl Chloride	2.37	62	47070	19.743	ug/l	99
5) Bromomethane	2.78	94	34147	20.317	ug/l	97
6) Chloroethane	2.93	64	31765	20.583	ug/l	93
7) Trichlorofluoromethane	3.26	101	37002	20.798	ug/l	95
8) Diethyl Ether	3.68	74	20742	19.223	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	41911	19.362	ug/l	99
10) Methyl Iodide	4.27	142	58729	18.376	ug/l	100
11) Tert butyl alcohol	5.18	59	16194	81.802	ug/l	99
12) 1,1-Dichloroethene	4.04	96	41219	19.134	ug/l	98
13) Acrolein	3.89	56	14321	99.624	ug/l	98
14) Allyl chloride	4.67	41	65713	17.934	ug/l	98
15) Acrylonitrile	5.37	53	43173	96.765	ug/l	98
16) Acetone	4.13	43	43734	81.375	ug/l	98
17) Carbon Disulfide	4.38	76	114474	17.792	ug/l	98
18) Methyl Acetate	4.67	43	21780	20.624	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	63927	19.122	ug/l	99
20) Methylene Chloride	4.92	84	47605	19.313	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	46594	19.117	ug/l	100
22) Diisopropyl ether	6.32	45	129239	18.665	ug/l	97
23) Vinyl Acetate	6.26	43	386149	94.061	ug/l	100
24) 1,1-Dichloroethane	6.22	63	81805	18.751	ug/l	100
25) 2-Butanone	7.18	43	59643	94.367	ug/l	98
26) 2,2-Dichloropropane	7.17	77	55440	18.093	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	51113	19.278	ug/l	99
28) Bromochloromethane	7.51	49	33171	20.259	ug/l	100
29) Tetrahydrofuran	7.54	42	36318	96.924	ug/l	99
30) Chloroform	7.68	83	83590	19.086	ug/l	96
31) Cyclohexane	7.96	56	78595	18.448	ug/l	# 93
32) 1,1,1-Trichloroethane	7.87	97	72916	19.277	ug/l	99
36) 1,1-Dichloropropene	8.09	75	69502	19.850	ug/l	99
37) Ethyl Acetate	7.26	43	26526	19.520	ug/l	99
38) Carbon Tetrachloride	8.07	117	68913	20.102	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	85143	19.718	ug/l	99
40) Benzene	8.32	78	182912	19.358	ug/l	98
41) Methacrylonitrile	7.49	41	14972	19.181	ug/l	95
42) 1,2-Dichloroethane	8.40	62	58953	20.442	ug/l	100
43) Isopropyl Acetate	8.43	43	53704	19.893	ug/l	99
44) Trichloroethene	9.10	130	50739	20.124	ug/l	93
45) 1,2-Dichloropropane	9.37	63	45067	19.553	ug/l	98
46) Dibromomethane	9.46	93	23620	20.074	ug/l	99
47) Bromodichloromethane	9.65	83	61663	19.366	ug/l	100
48) Methyl methacrylate	9.44	41	24663	19.986	ug/l	98
49) 1,4-Dioxane	9.46	88	5937	336.884	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	130297	101.586	ug/l	98
52) Toluene	10.39	92	123842	20.319	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	60597	19.307	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	70201	18.982	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	34429	20.962	ug/l	97
56) Ethyl methacrylate	10.65	69	42041	19.678	ug/l	98
57) 1,3-Dichloropropane	10.93	76	59546	20.473	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	103484	101.305	ug/l	99
59) 2-Hexanone	10.97	43	89579	100.970	ug/l	99
60) Dibromochloromethane	11.13	129	38913	19.416	ug/l	100
61) 1,2-Dibromoethane	11.24	107	31330	19.932	ug/l	96
64) Tetrachloroethene	10.87	164	42420	19.778	ug/l	97
65) Chlorobenzene	11.66	112	129682	19.874	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	44724	19.178	ug/l	100
67) Ethyl Benzene	11.73	91	239779	19.529	ug/l	99
68) m/p-Xylenes	11.84	106	181376	39.537	ug/l	99
69) o-Xylene	12.17	106	81933	19.173	ug/l	99
70) Styrene	12.18	104	142351	19.503	ug/l	99
71) Bromoform	12.35	173	20656	18.428	ug/l #	99
73) Isopropylbenzene	12.47	105	235795	18.921	ug/l	100
74) N-amyl acetate	12.27	43	50347	18.822	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	39062	20.342	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	50108	36.456	ug/l #	100
77) Bromobenzene	12.75	156	50046	18.597	ug/l	97
78) n-propylbenzene	12.80	91	286169	19.220	ug/l	100
79) 2-Chlorotoluene	12.90	91	163250	19.317	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	201187	19.157	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	10841	16.989	ug/l	94
82) 4-Chlorotoluene	12.99	91	170991	19.597	ug/l	99
83) tert-Butylbenzene	13.21	119	170718	19.048	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	198430	18.907	ug/l	99
85) sec-Butylbenzene	13.38	105	243104	19.220	ug/l	100
86) p-Isopropyltoluene	13.50	119	226117	19.517	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	105881	19.833	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	104907	19.724	ug/l	98
89) n-Butylbenzene	13.82	91	216913	19.504	ug/l	99
90) Hexachloroethane	14.10	117	38794	18.202	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	92544	19.854	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6113	18.465	ug/l	98

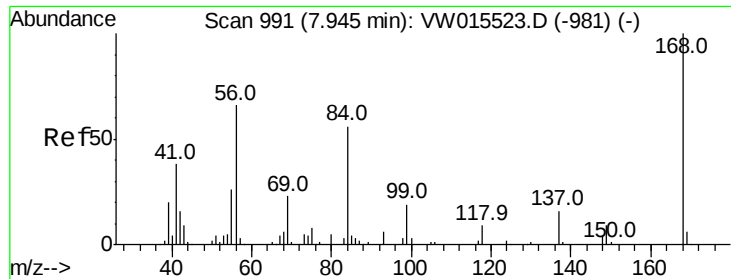
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062220\
Data File : VW015649.D
Acq On : 22 Jun 2020 15:01
Operator : SY/VA
Sample : VW0622SBSD01
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QLast Update : Tue Jun 02 13:57:56 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	63079	19.700	ug/l	98
94) Hexachlorobutadiene	15.24	225	39572	20.266	ug/l	98
95) Naphthalene	15.37	128	103976	19.200	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	52693	19.536	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

ClientSampleId :

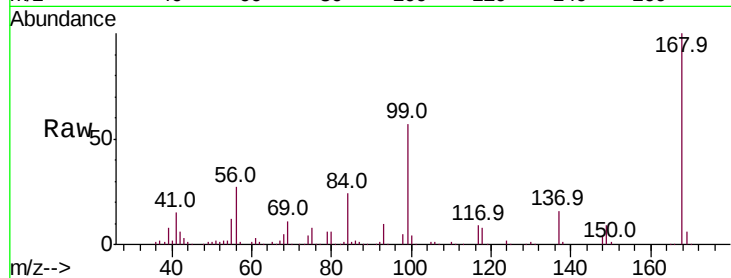
VW0622SBSD01

Tot Ion:168 Resp: 222803

Ion Ratio Lower Upper

168 100

99 57.0 48.6 73.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

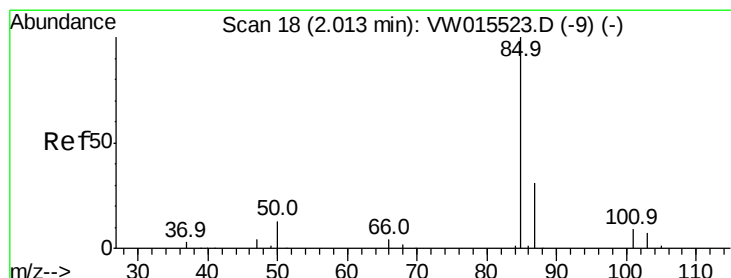
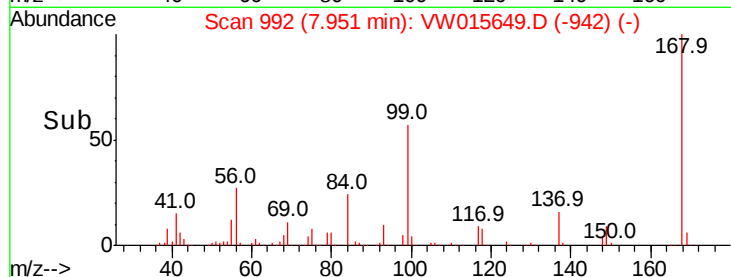
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 18.919 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015649.D

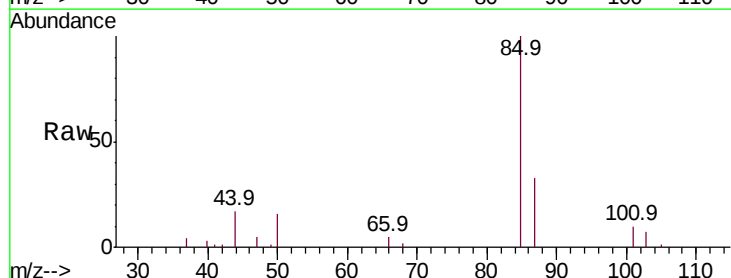
Acq: 22 Jun 2020 15:01

Tgt Ion: 85 Resp: 23548

Ion Ratio Lower Upper

85 100

87 33.0 15.5 46.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

8000

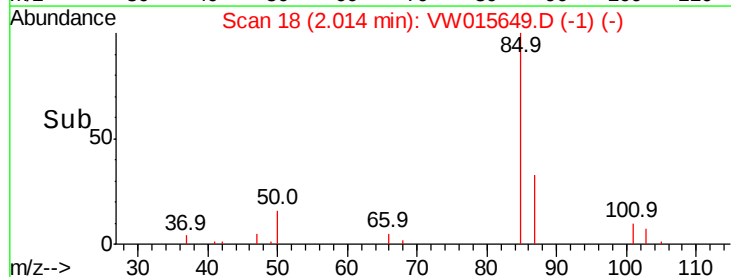
6000

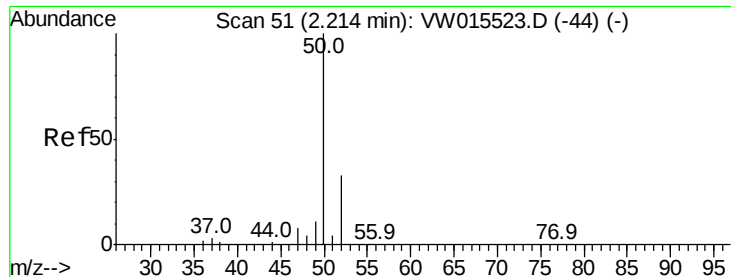
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 18.485 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

ClientSampleId :

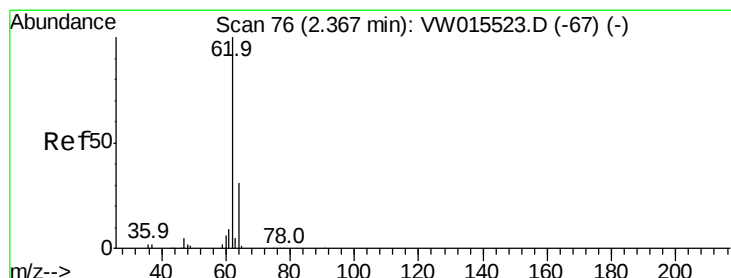
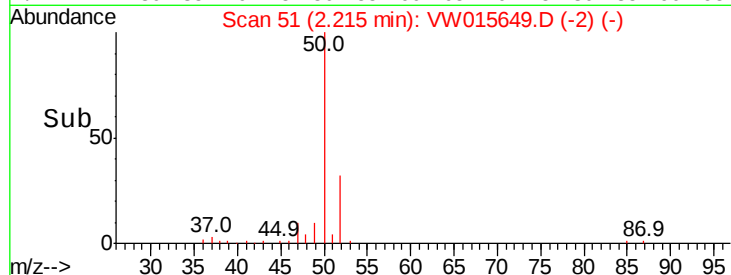
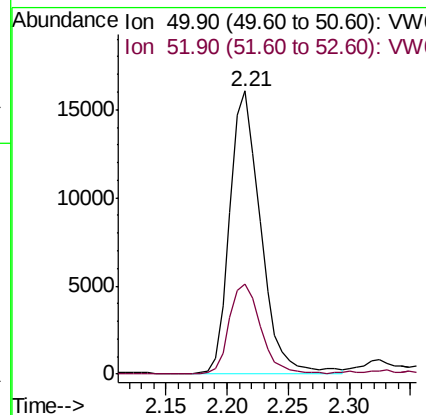
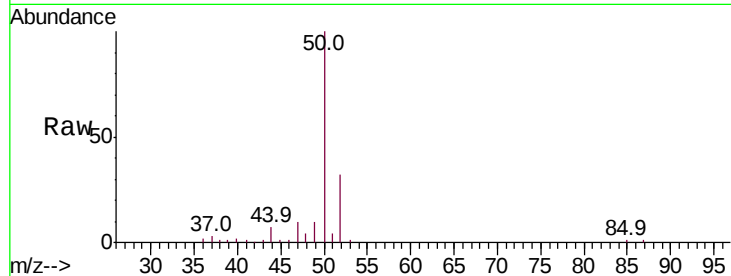
VW0622SBSD01

Tot Ion: 50 Resp: 28278

Ion Ratio Lower Upper

50 100

52 31.9 26.0 39.0



#4

Vinyl Chloride

Concen: 19.743 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015649.D

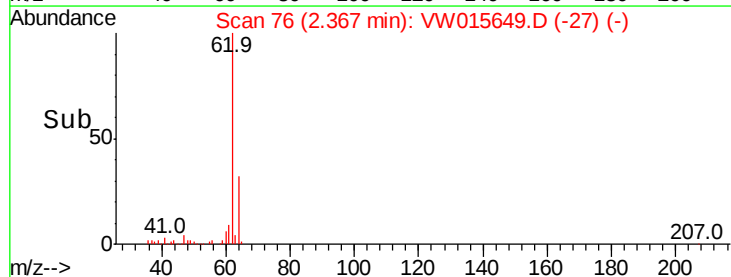
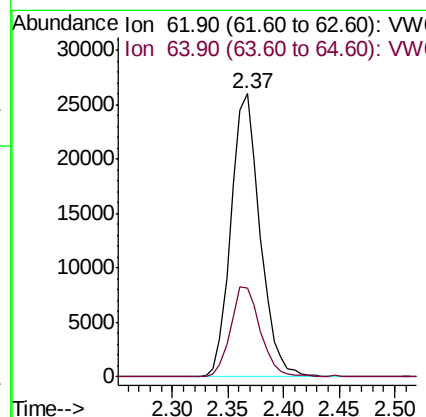
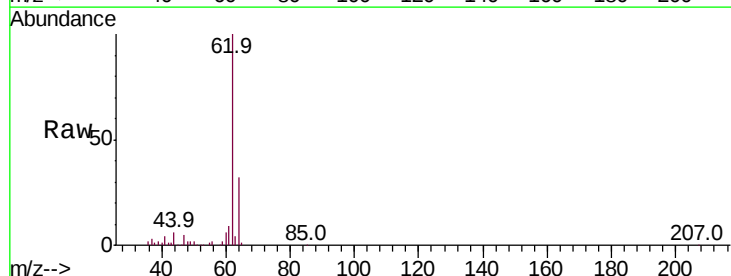
Acq: 22 Jun 2020 15:01

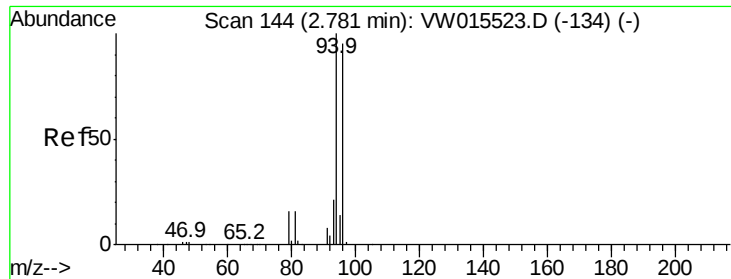
Tgt Ion: 62 Resp: 47070

Ion Ratio Lower Upper

62 100

64 31.6 25.0 37.4





#5

Bromomethane

Concen: 20.317 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

ClientSampleId :

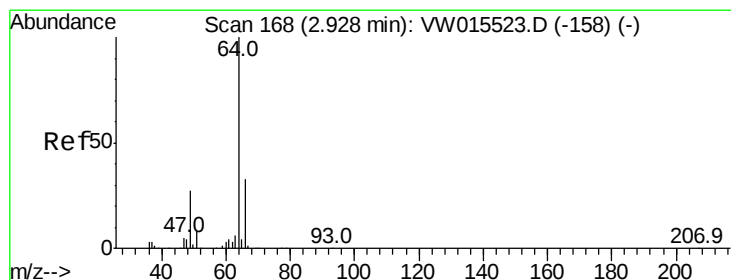
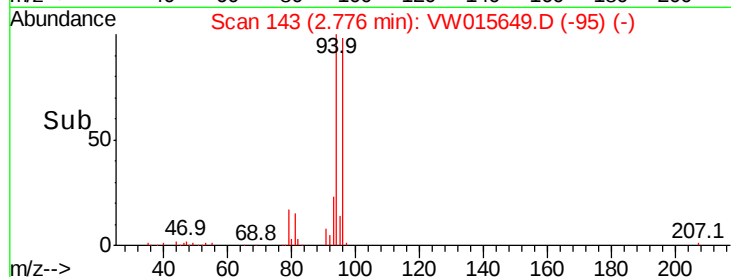
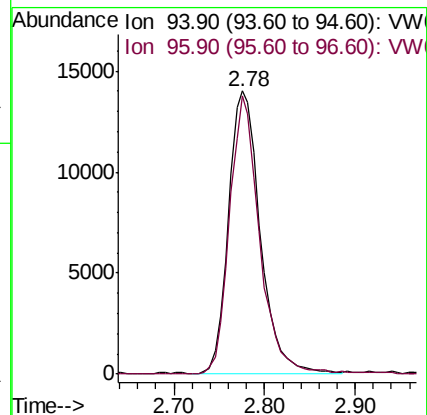
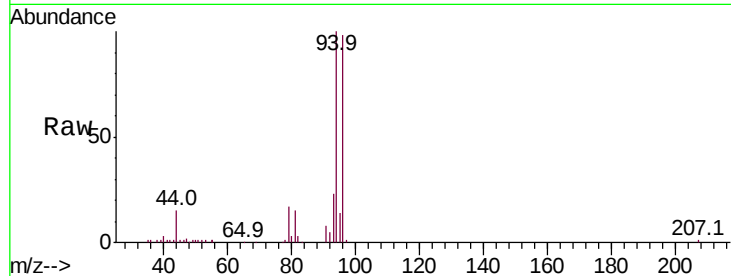
VW0622SBSD01

Tot Ion: 94 Resp: 34147

Ion Ratio Lower Upper

94 100

96 98.3 76.0 114.0



#6

Chloroethane

Concen: 20.583 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW015649.D

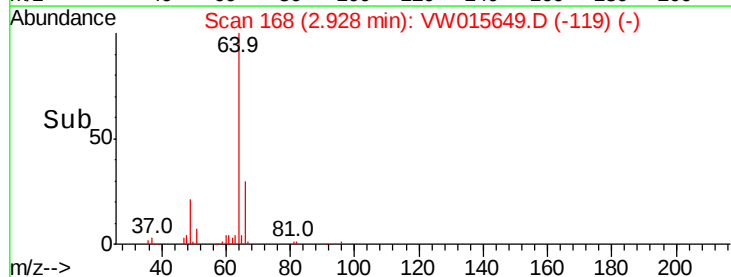
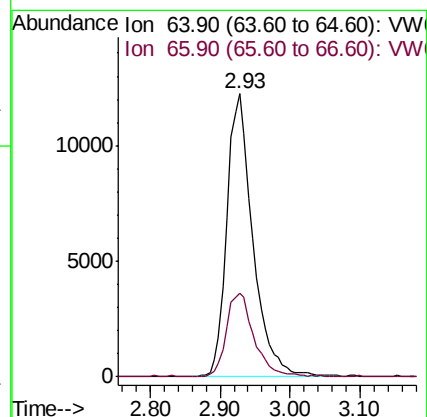
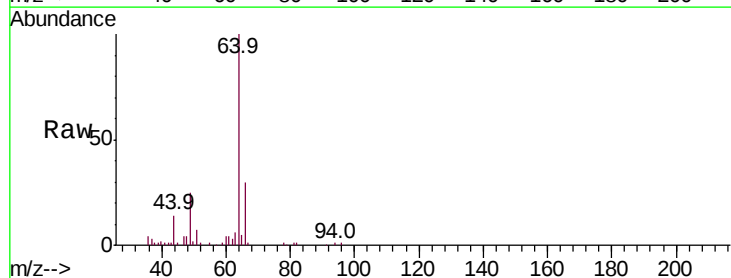
Acq: 22 Jun 2020 15:01

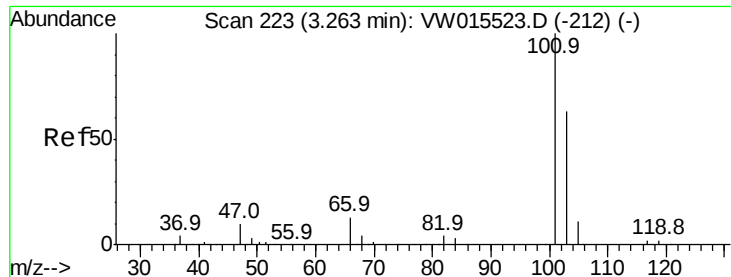
Tgt Ion: 64 Resp: 31765

Ion Ratio Lower Upper

64 100

66 29.6 26.8 40.2



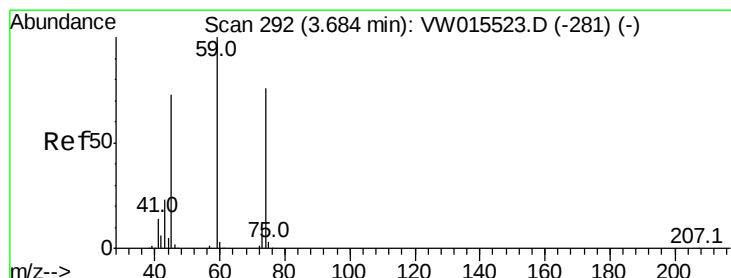
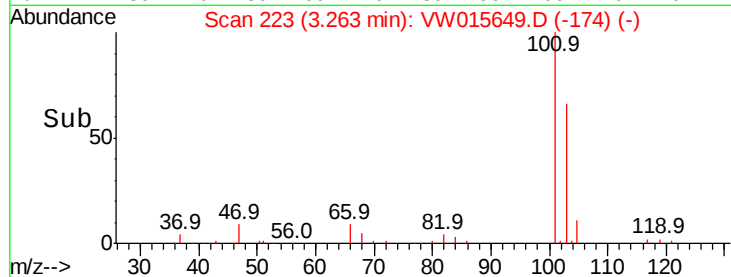
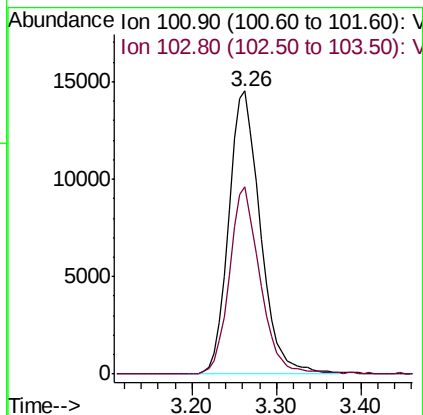
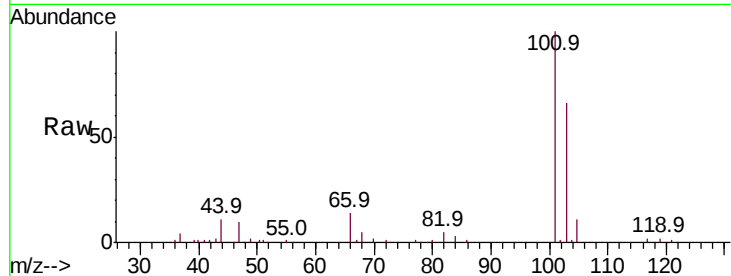


#7

Trichlorofluoromethane
 Concen: 20.798 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW015649.D
 Acq: 22 Jun 2020 15:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0622SBSD01

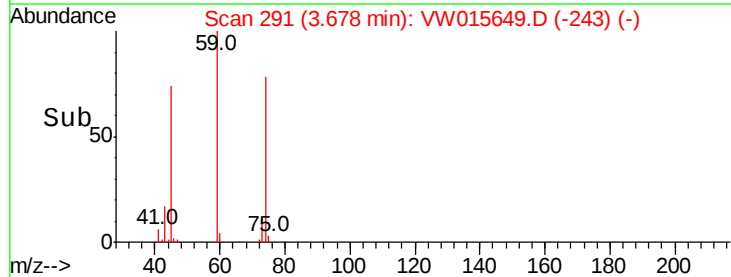
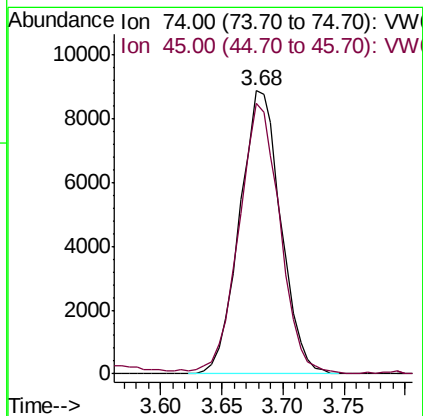
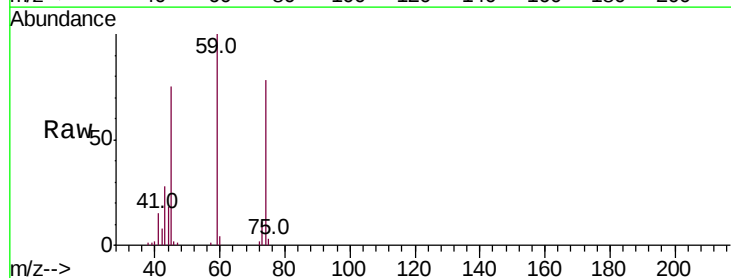
Tot Ion:101 Resp: 37002
 Ion Ratio Lower Upper
 101 100
 103 66.4 50.2 75.2

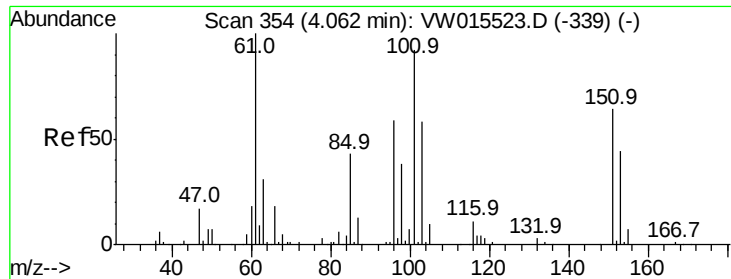


#8

Diethyl Ether
 Concen: 19.223 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW015649.D
 Acq: 22 Jun 2020 15:01

Tgt Ion: 74 Resp: 20742
 Ion Ratio Lower Upper
 74 100
 45 95.5 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.362 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

ClientSampleId :

VW0622SBSD01

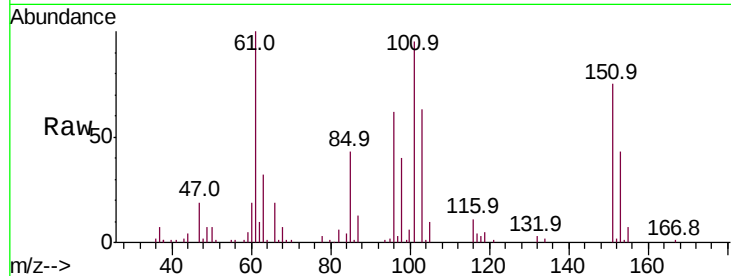
Tot Ion:101 Resp: 41911

Ion Ratio Lower Upper

101 100

85 45.6 37.0 55.6

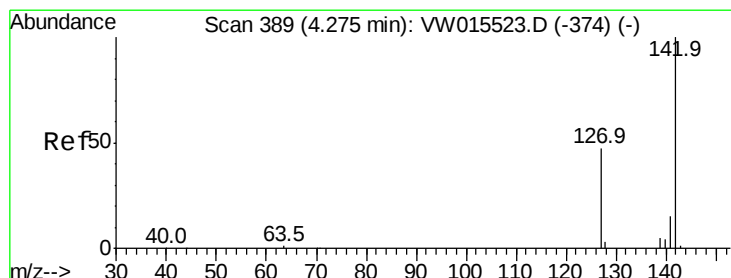
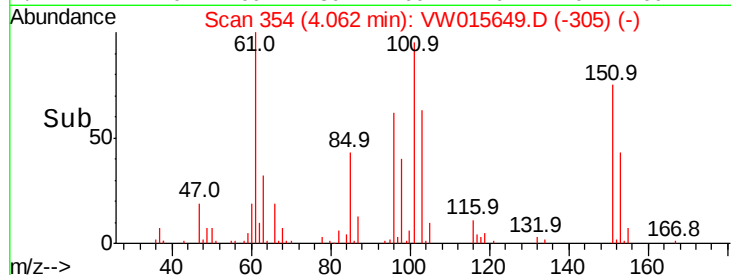
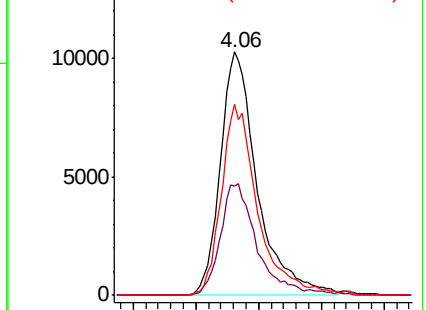
151 77.2 61.1 91.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.376 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

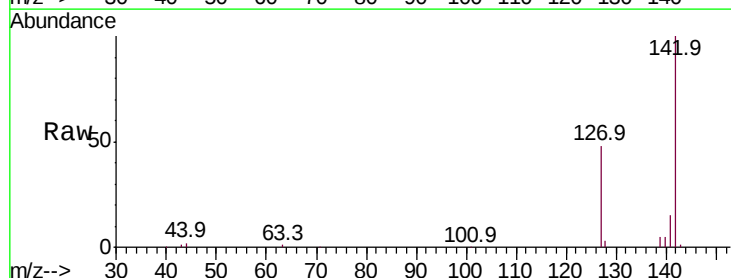
Tgt Ion:142 Resp: 58729

Ion Ratio Lower Upper

142 100

127 46.5 36.9 55.3

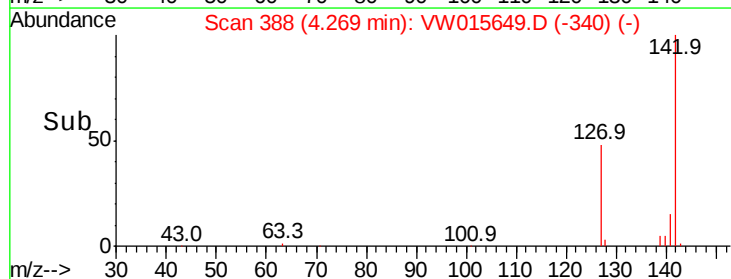
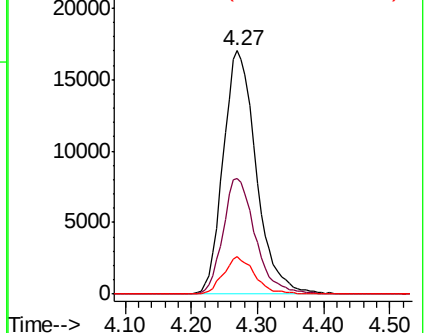
141 14.5 11.7 17.5

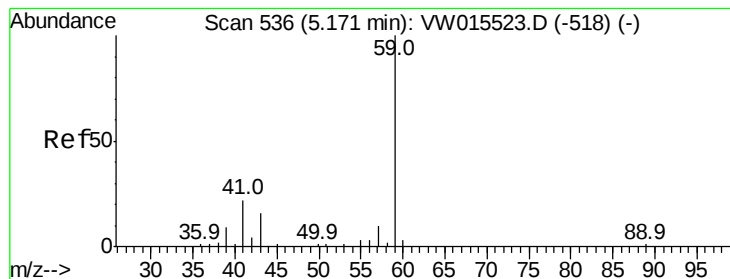


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 81.802 ug/l

RT: 5.18 min Scan# 538

Delta R.T. 0.01 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

ClientSampleId :

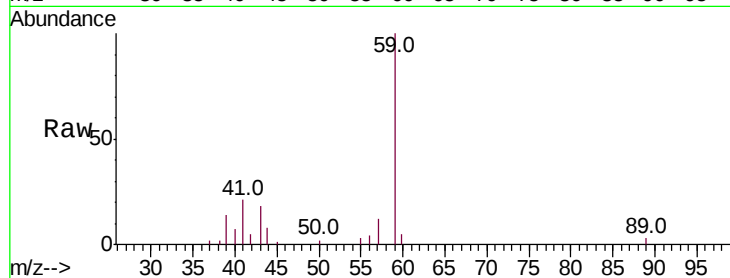
VW0622SBSD01

Tot Ion: 59 Resp: 16194

Ion Ratio Lower Upper

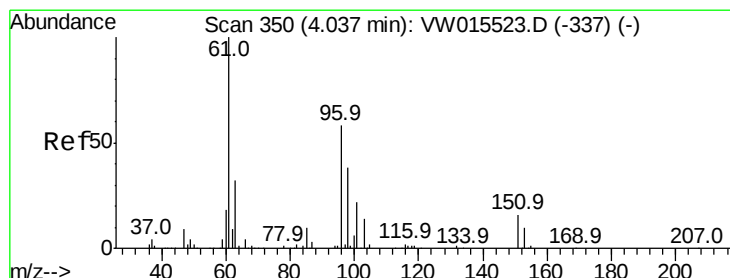
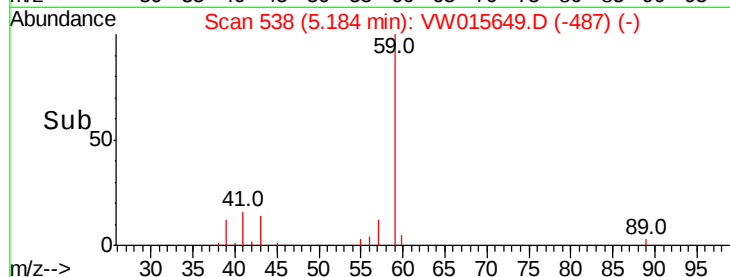
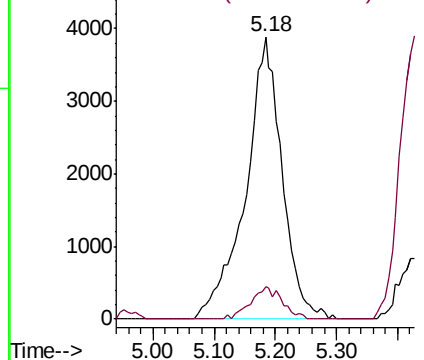
59 100

57 9.9 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 19.134 ug/l

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

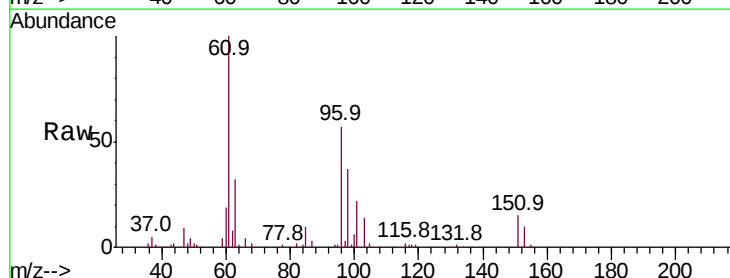
Tgt Ion: 96 Resp: 41219

Ion Ratio Lower Upper

96 100

61 176.3 138.3 207.5

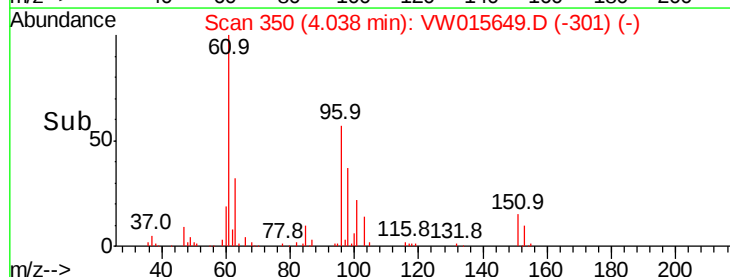
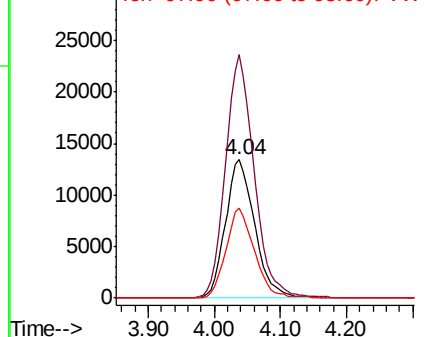
98 65.1 52.2 78.4

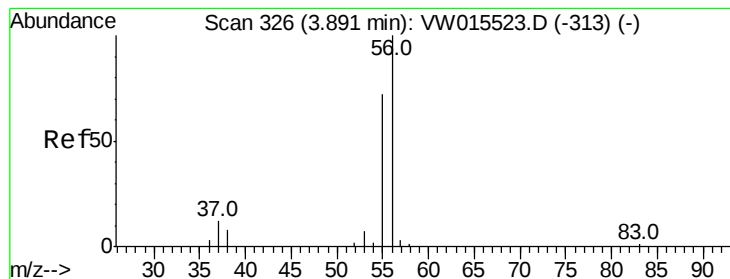


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#13

Acrolein

Concen: 99.624 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

ClientSampleId :

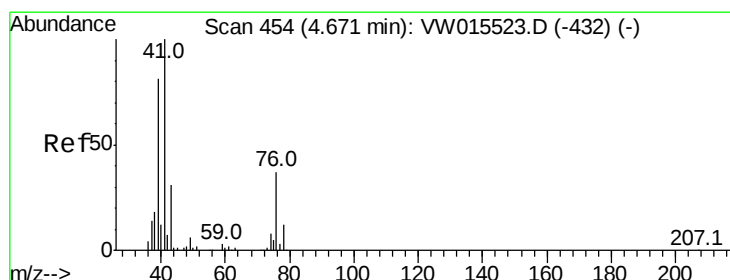
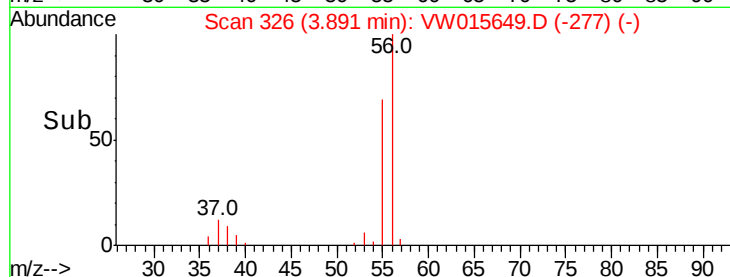
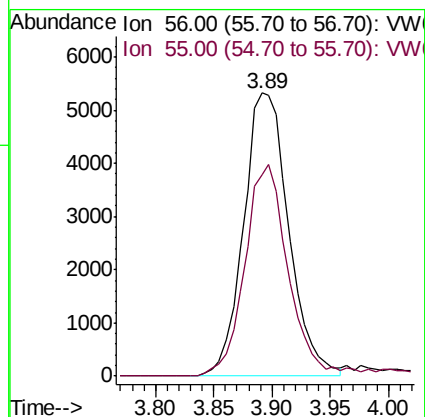
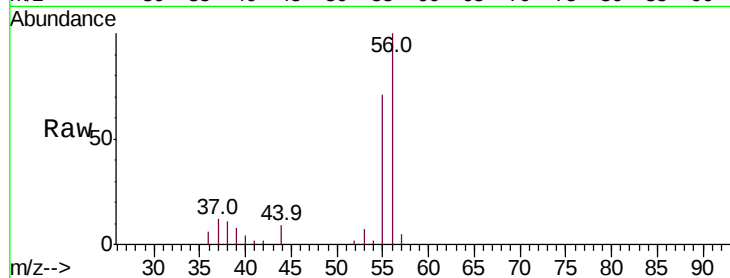
VW0622SBSD01

Tot Ion: 56 Resp: 14321

Ion Ratio Lower Upper

56 100

55 72.0 56.5 84.7



#14

Allyl chloride

Concen: 17.934 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

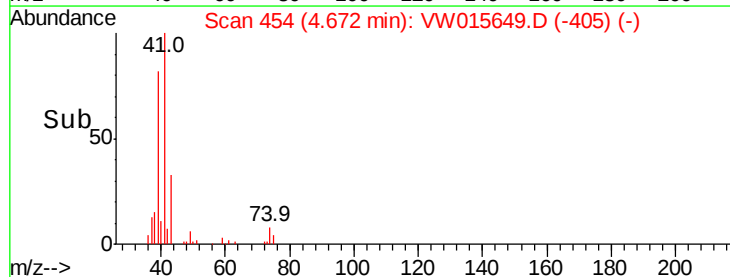
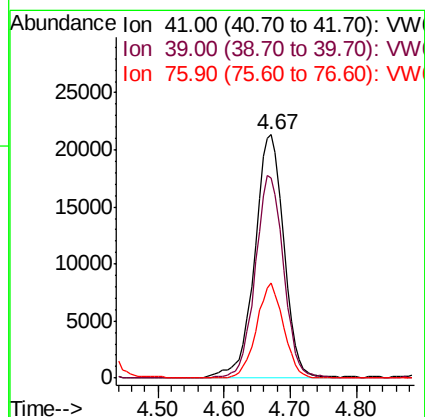
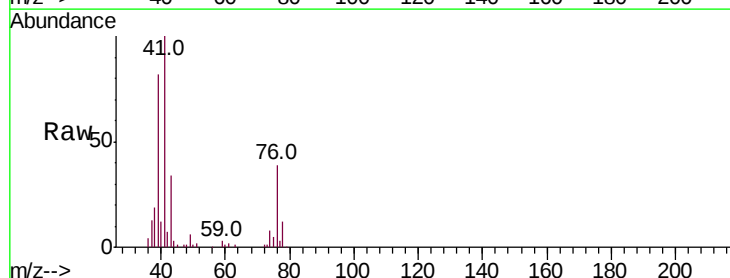
Tgt Ion: 41 Resp: 65713

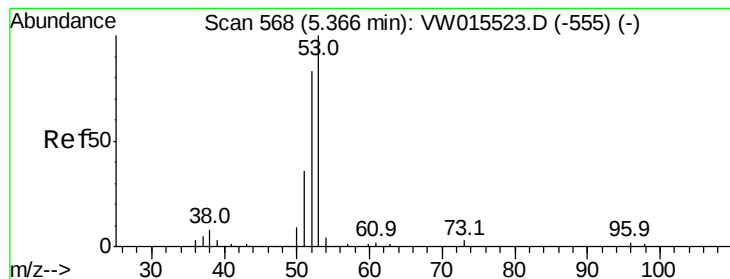
Ion Ratio Lower Upper

41 100

39 80.7 63.1 94.7

76 36.1 28.6 43.0





#15

Acrylonitrile

Concen: 96.765 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

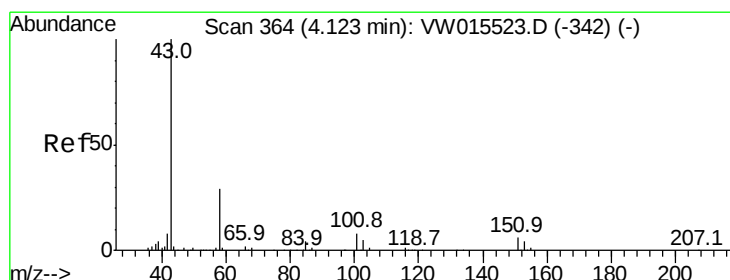
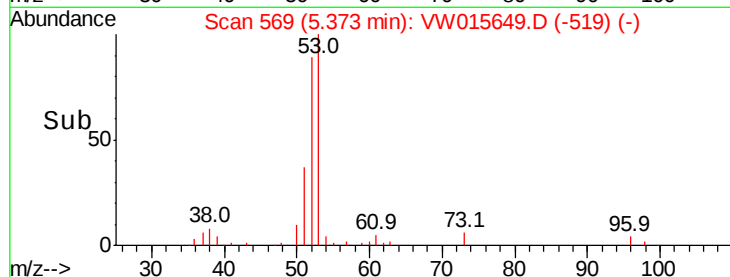
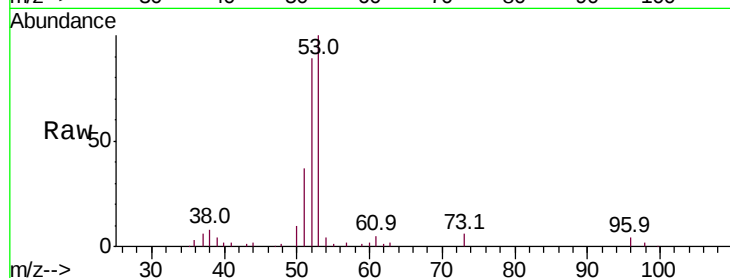
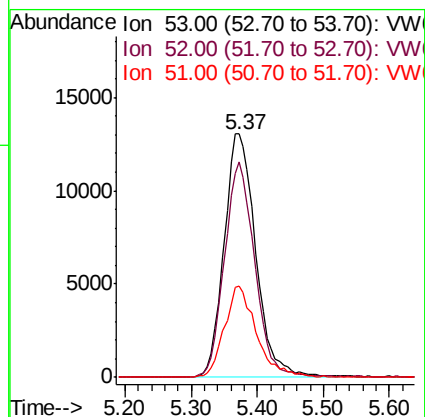
MSVOA_W

ClientSampleId :

VW0622SBSD01

Tot Ion: 53 Resp: 43173

Ion	Ratio	Lower	Upper
53	100		
52	84.9	66.1	99.1
51	37.9	30.2	45.4



#16

Acetone

Concen: 81.375 ug/l

RT: 4.13 min Scan# 365

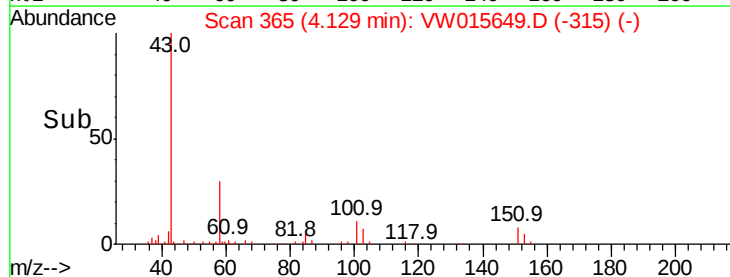
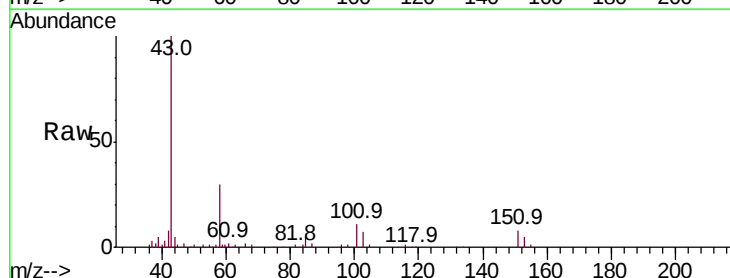
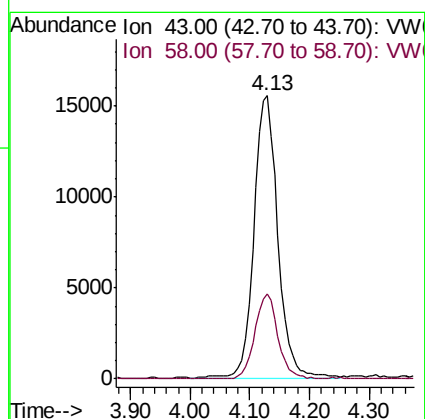
Delta R.T. 0.01 min

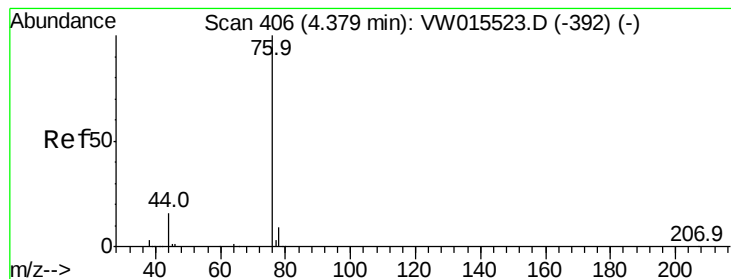
Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Tgt Ion: 43 Resp: 43734

Ion	Ratio	Lower	Upper
43	100		
58	30.2	23.1	34.7





#17

Carbon Disulfide

Concen: 17.792 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

ClientSampleId :

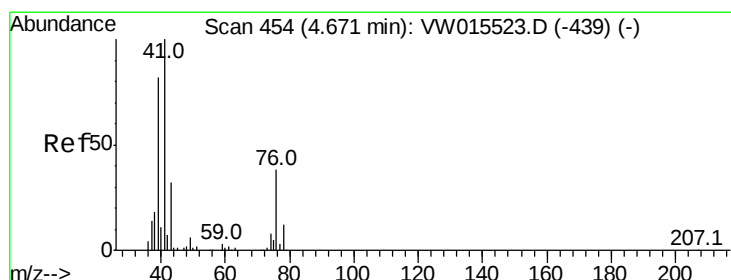
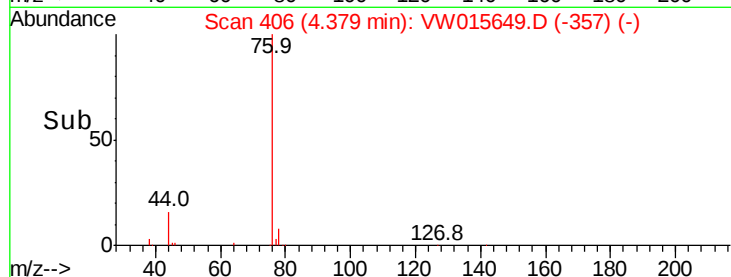
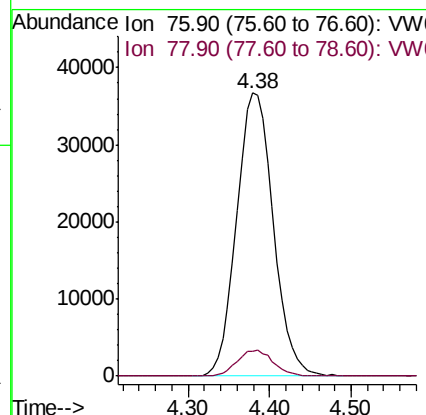
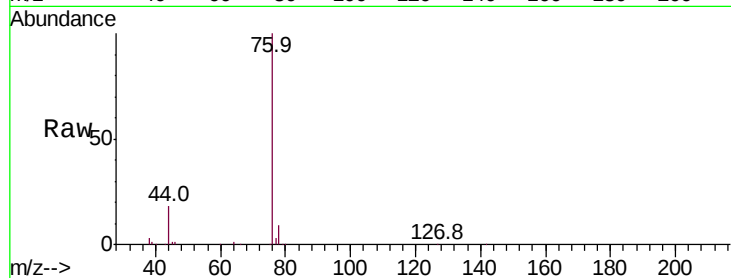
VW0622SBSD01

Tot Ion: 76 Resp: 114474

Ion Ratio Lower Upper

76 100

78 8.6 7.4 11.2



#18

Methyl Acetate

Concen: 20.624 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW015649.D

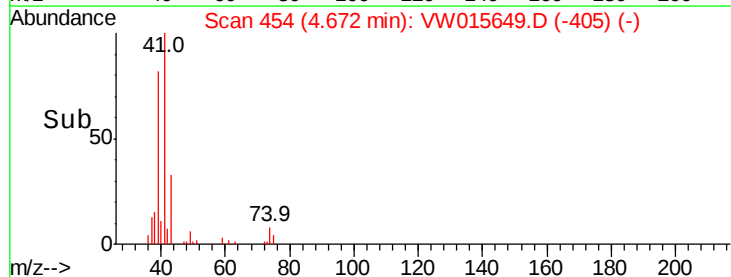
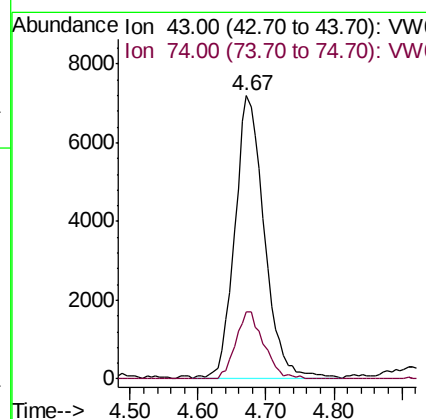
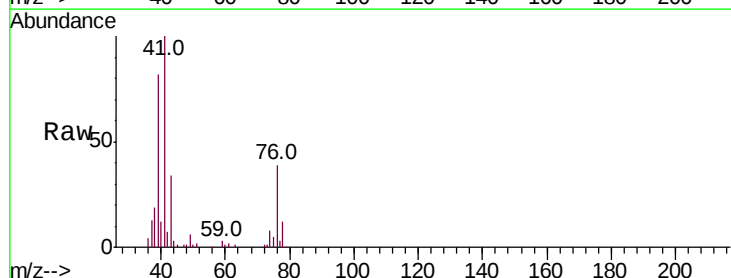
Acq: 22 Jun 2020 15:01

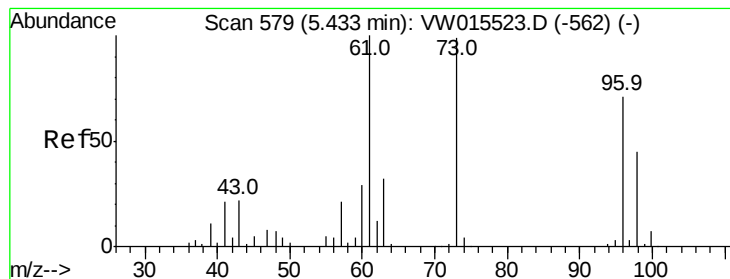
Tgt Ion: 43 Resp: 21780

Ion Ratio Lower Upper

43 100

74 22.5 18.8 28.2



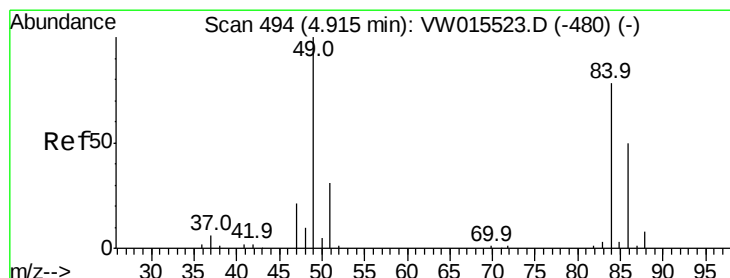
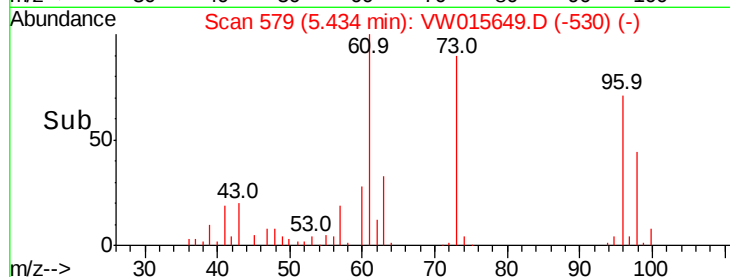
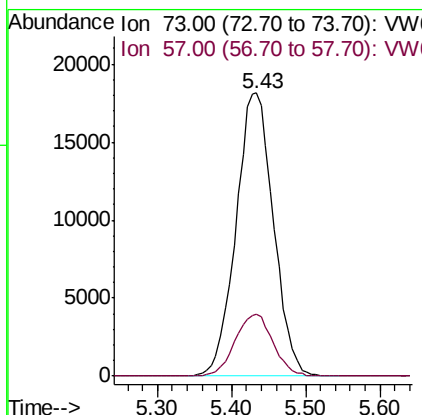
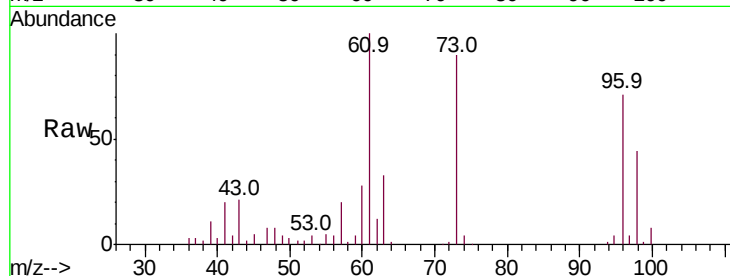


#19

Methyl tert-butyl Ether
 Concen: 19.122 ug/l
 RT: 5.43 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: VW015649.D
 Acq: 22 Jun 2020 15:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0622SBSD01

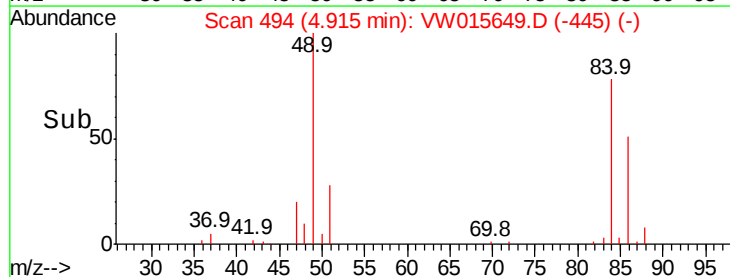
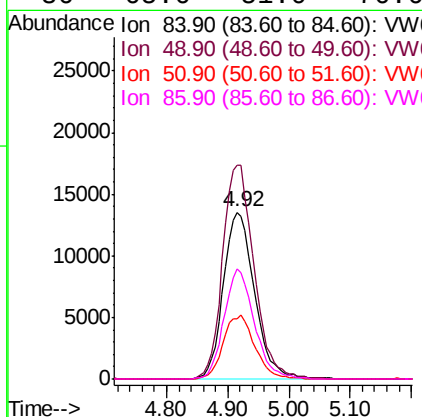
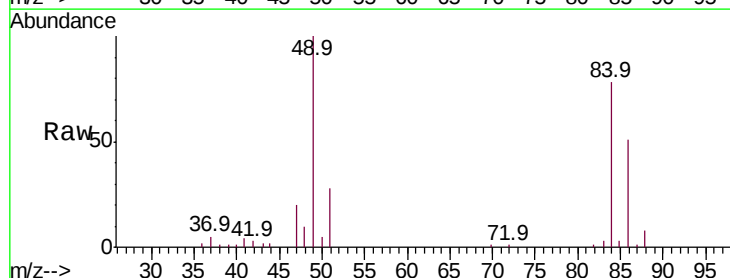
Tot Ion: 73 Resp: 63927
 Ion Ratio Lower Upper
 73 100
 57 21.9 17.1 25.7

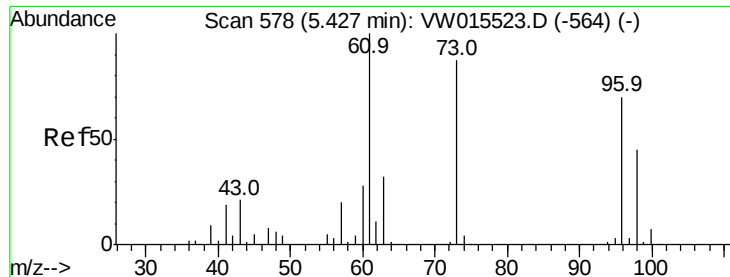


#20

Methylene Chloride
 Concen: 19.313 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW015649.D
 Acq: 22 Jun 2020 15:01

Tgt Ion: 84 Resp: 47605
 Ion Ratio Lower Upper
 84 100
 49 128.0 102.8 154.2
 51 36.3 31.4 47.2
 86 65.6 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.117 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

ClientSampleId :

VW0622SBSD01

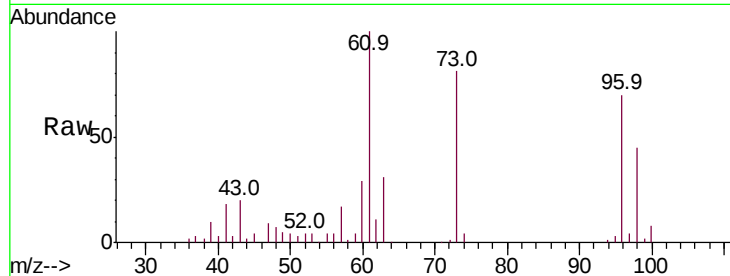
Tot Ion: 96 Resp: 46594

Ion Ratio Lower Upper

96 100

61 142.8 114.3 171.5

98 64.6 51.0 76.4

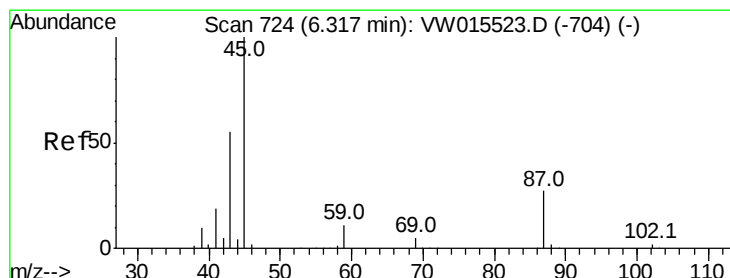
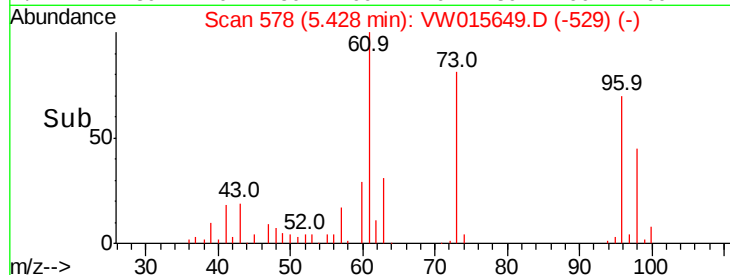
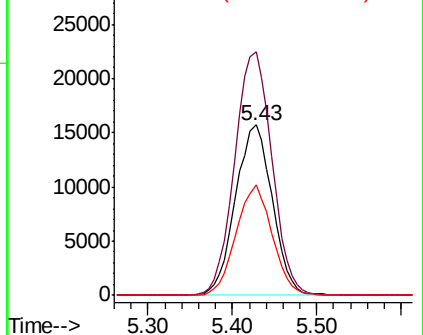


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 18.665 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Tgt Ion: 45 Resp: 129239

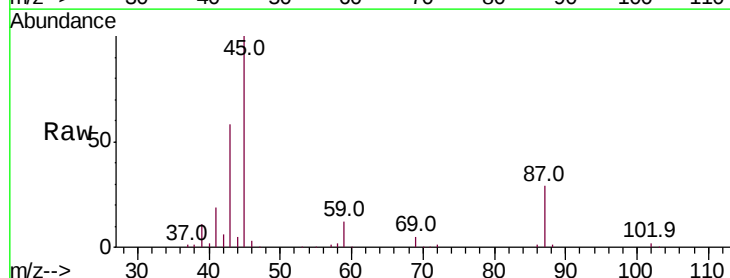
Ion Ratio Lower Upper

45 100

43 57.7 44.1 66.1

87 28.9 21.8 32.8

59 11.7 9.0 13.6



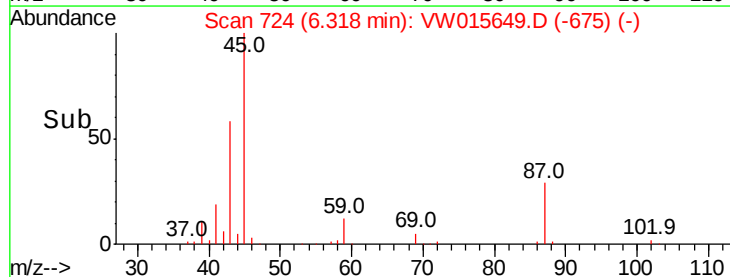
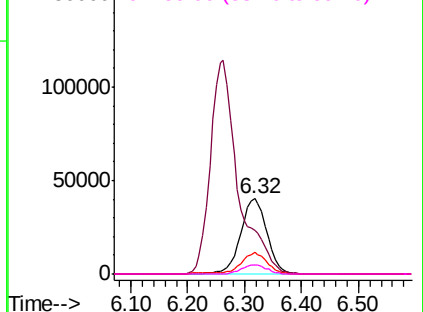
Abundance

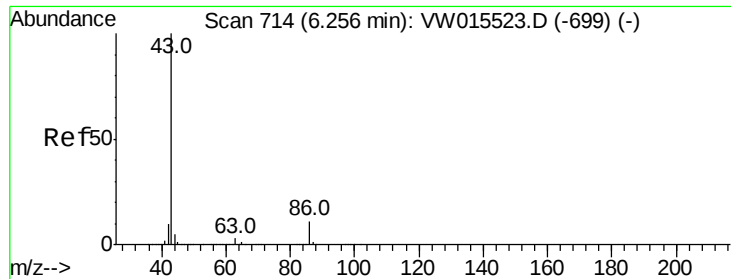
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 94.061 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

ClientSampleId :

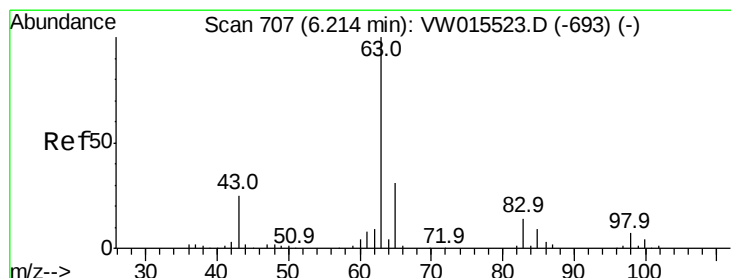
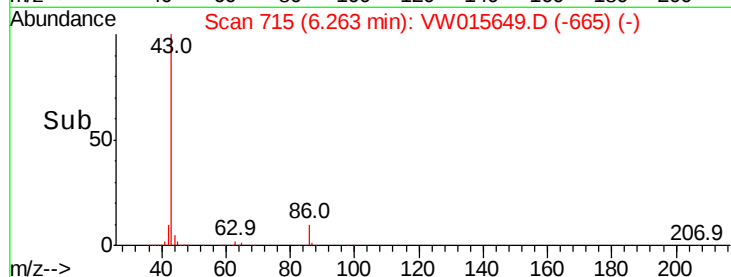
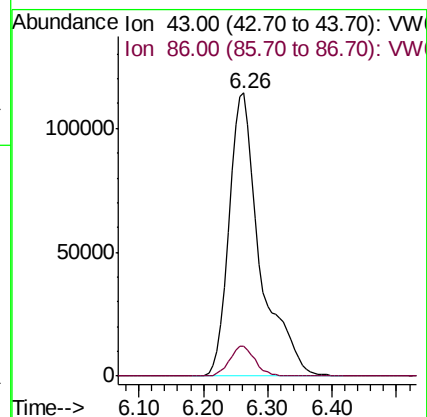
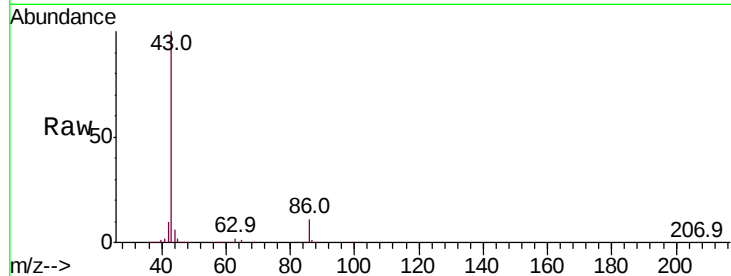
VW0622SBSD01

Tot Ion: 43 Resp: 386149

Ion Ratio Lower Upper

43 100

86 10.5 8.6 12.8



#24

1,1-Dichloroethane

Concen: 18.751 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

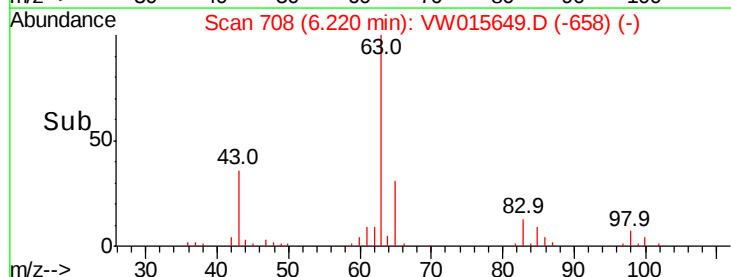
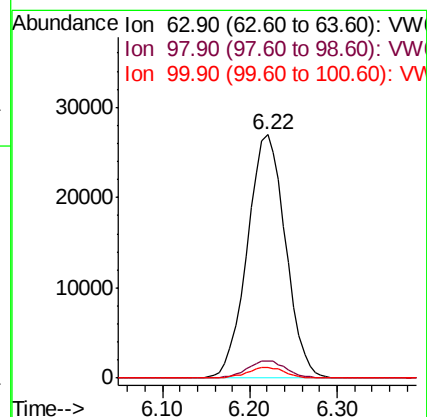
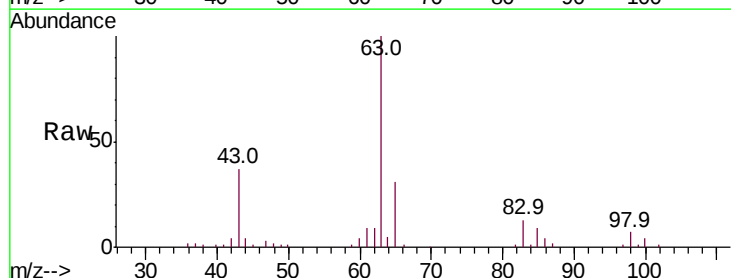
Tgt Ion: 63 Resp: 81805

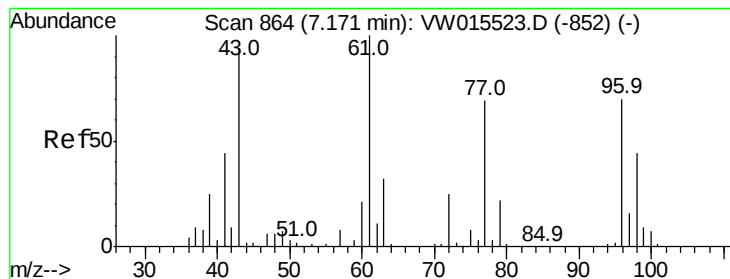
Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.1

100 4.4 2.2 6.6





#25

2-Butanone

Concen: 94.367 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

ClientSampleId :

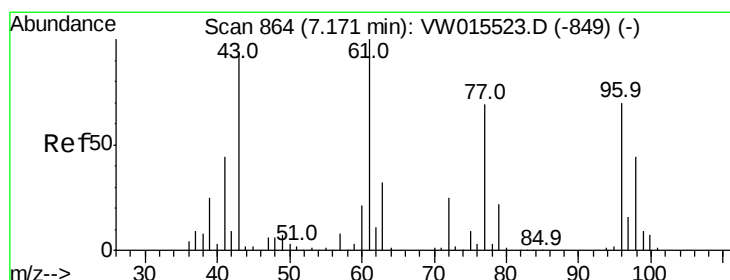
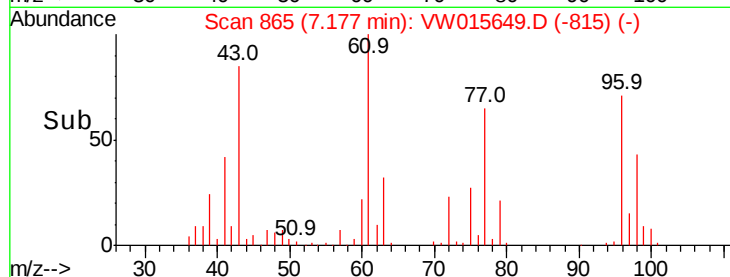
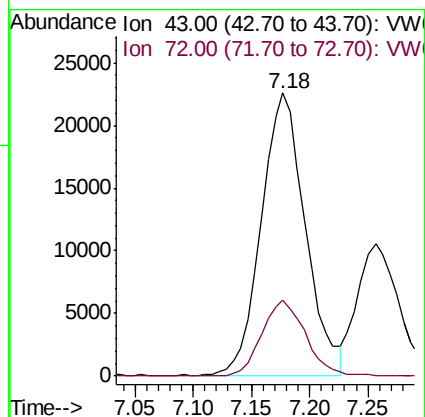
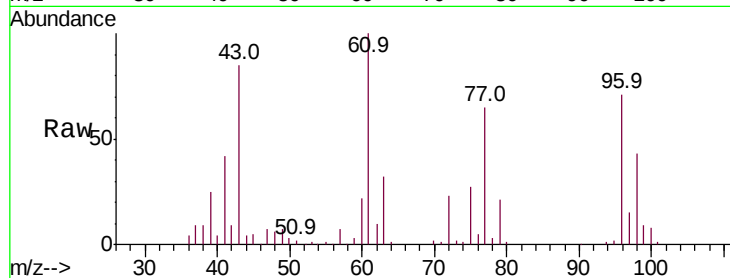
VW0622SBSD01

Tot Ion: 43 Resp: 59643

Ion Ratio Lower Upper

43 100

72 27.0 21.0 31.4



#26

2,2-Dichloropropane

Concen: 18.093 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW015649.D

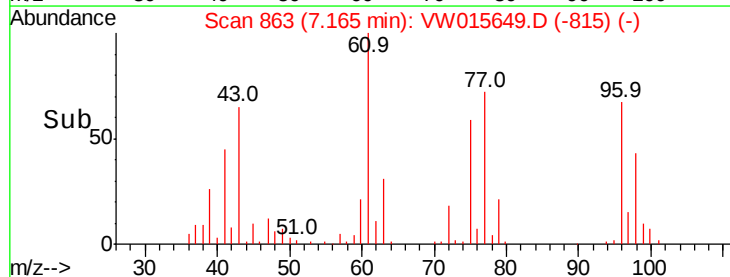
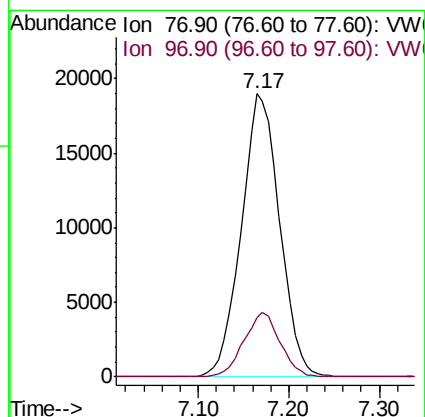
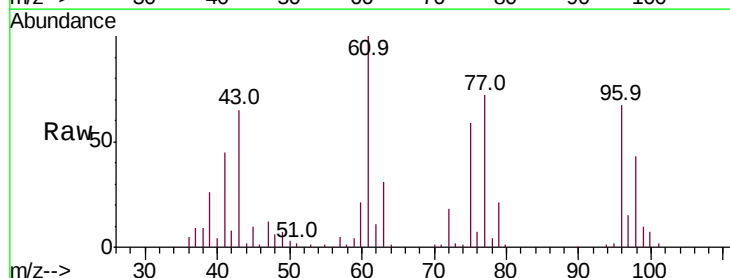
Acq: 22 Jun 2020 15:01

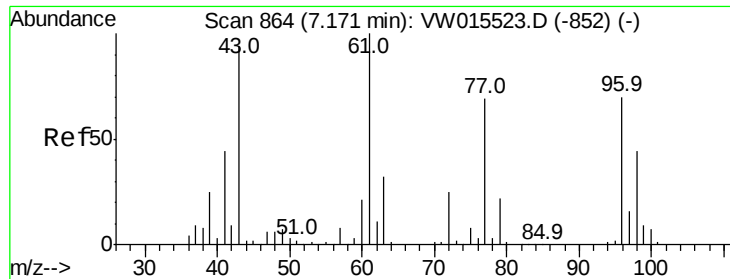
Tgt Ion: 77 Resp: 55440

Ion Ratio Lower Upper

77 100

97 21.5 11.1 33.3



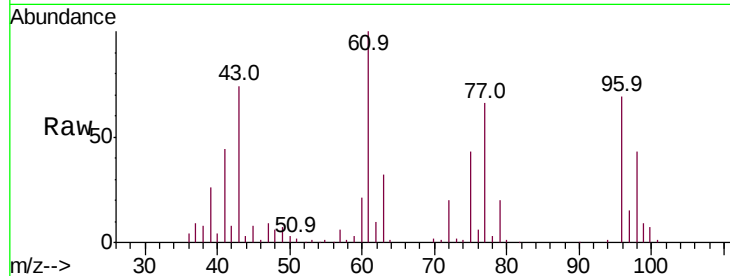


#27

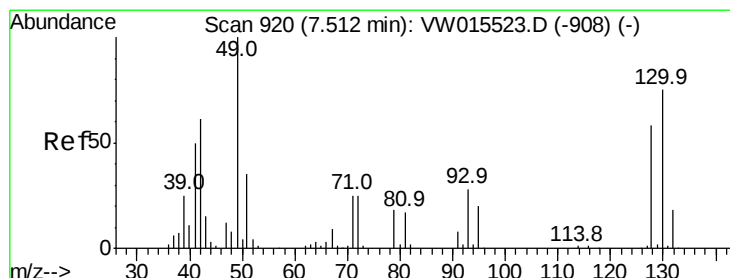
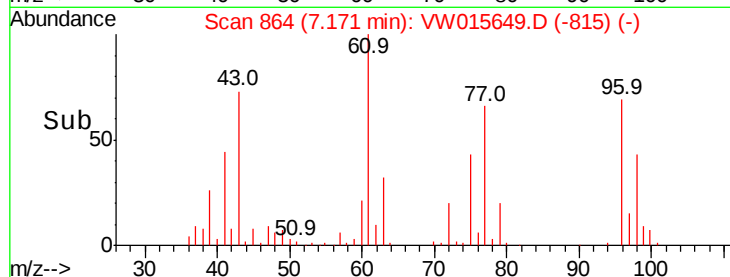
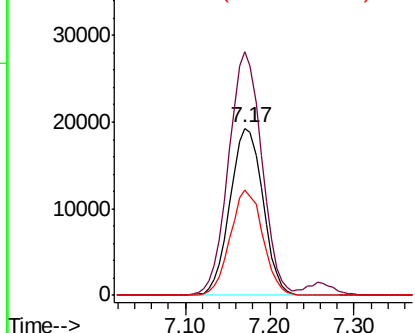
cis-1,2-Dichloroethene
Concen: 19.278 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW0622SBSD01

Tot Ion: 96 Resp: 51113
Ion Ratio Lower Upper
96 100
61 146.8 0.0 293.0
98 62.4 0.0 127.2



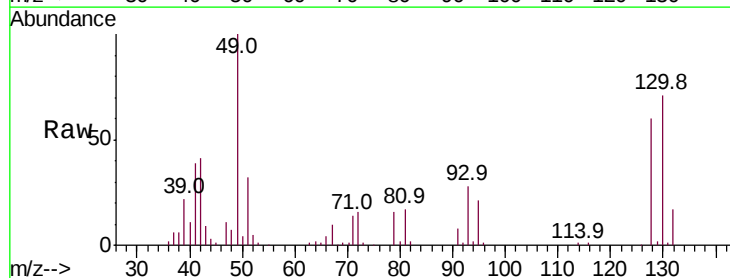
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



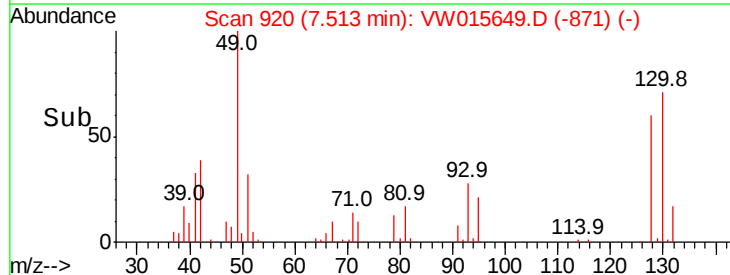
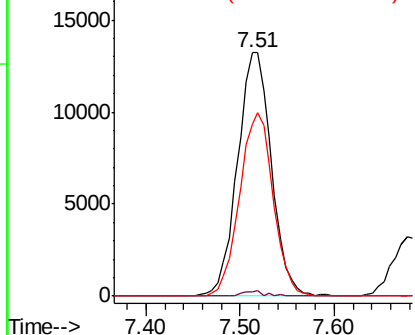
#28

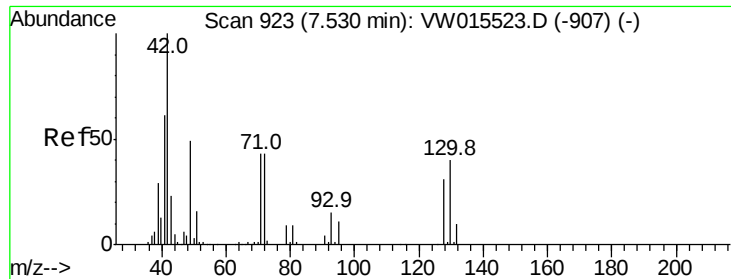
Bromochloromethane
Concen: 20.259 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Tgt Ion: 49 Resp: 33171
Ion Ratio Lower Upper
49 100
129 1.4 0.0 2.0
130 74.7 59.7 89.5



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

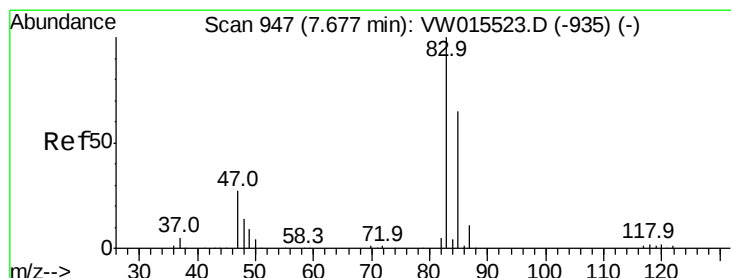
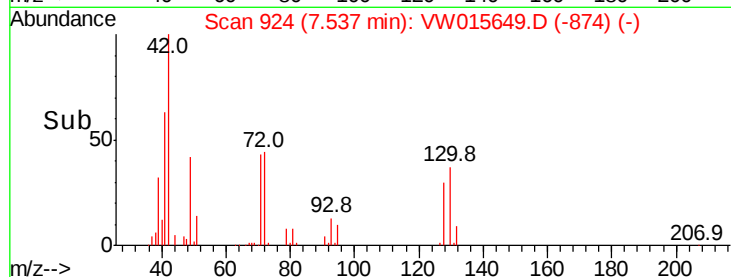
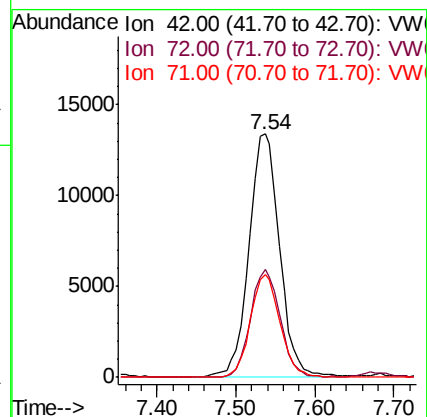
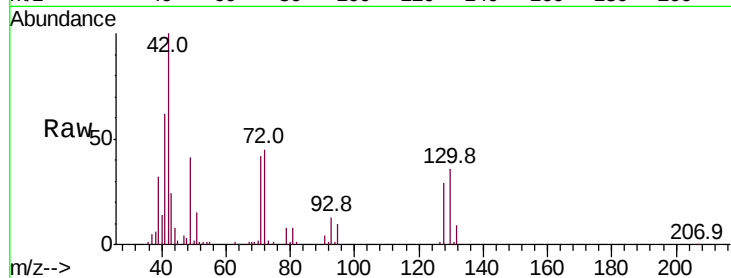




#29
Tetrahydrofuran
Concen: 96.924 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

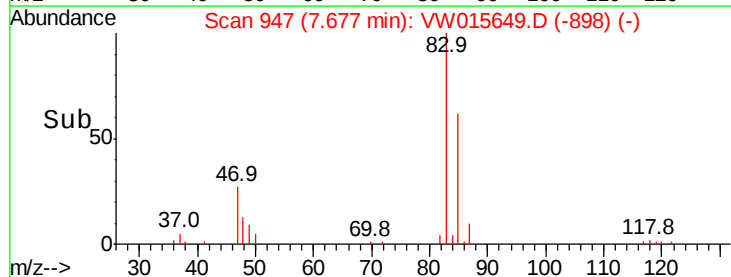
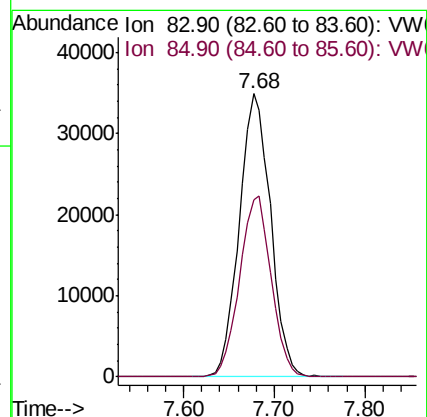
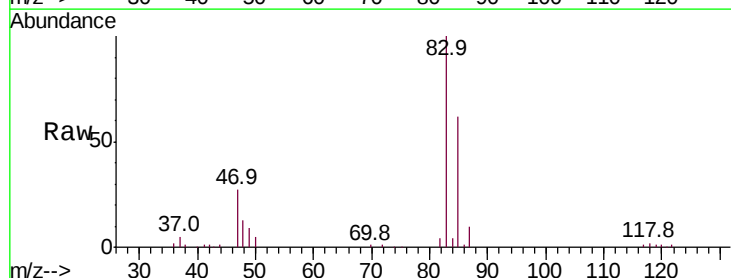
Instrument :
MSVOA_W
ClientSampleId :
VW0622SBS01

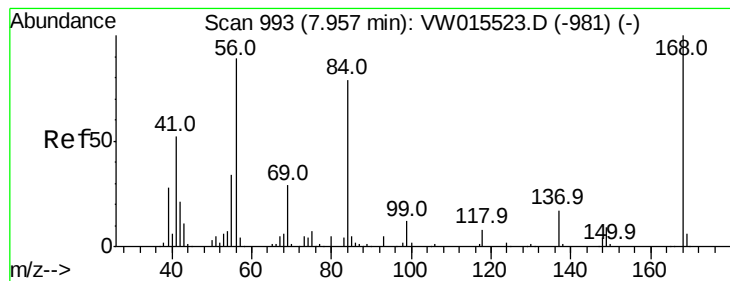
Tot Ion: 42 Resp: 36318
Ion Ratio Lower Upper
42 100
72 42.8 34.8 52.2
71 40.8 33.3 49.9



#30
Chloroform
Concen: 19.086 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Tgt Ion: 83 Resp: 83590
Ion Ratio Lower Upper
83 100
85 62.4 52.2 78.4





#31

Cyclohexane

Concen: 18.448 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

ClientSampleId :

VW0622SBSD01

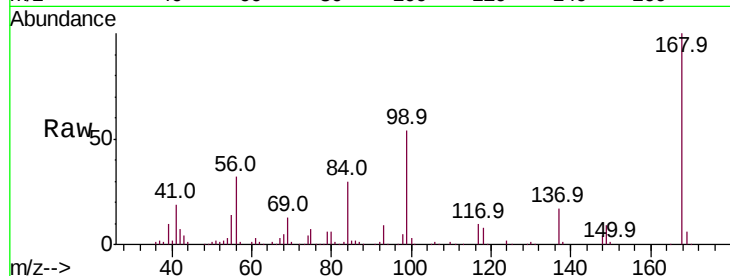
Tot Ion: 56 Resp: 78595

Ion Ratio Lower Upper

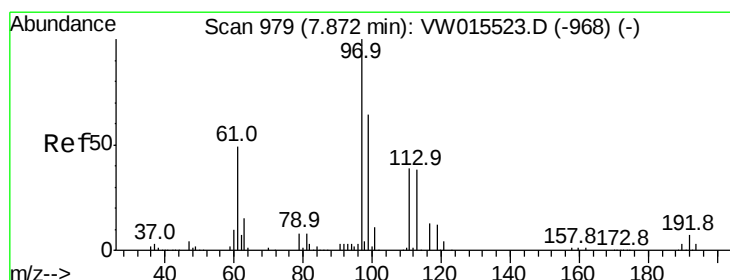
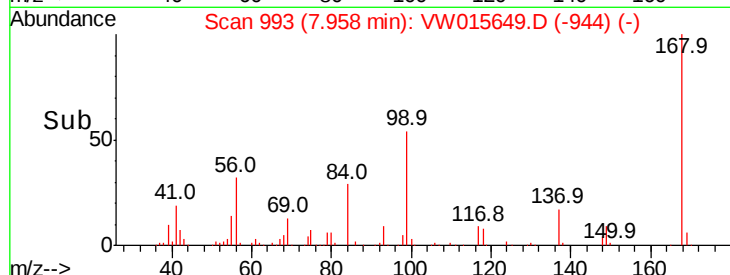
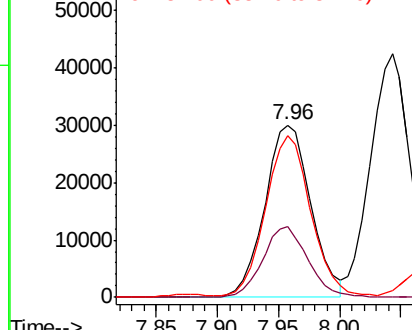
56 100

69 41.5 26.3 39.5#

84 91.8 71.0 106.4



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: 19.277 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

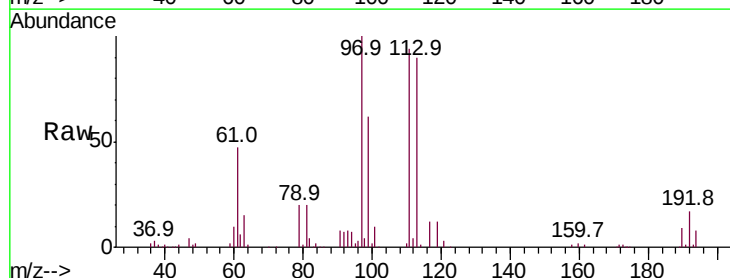
Tgt Ion: 97 Resp: 72916

Ion Ratio Lower Upper

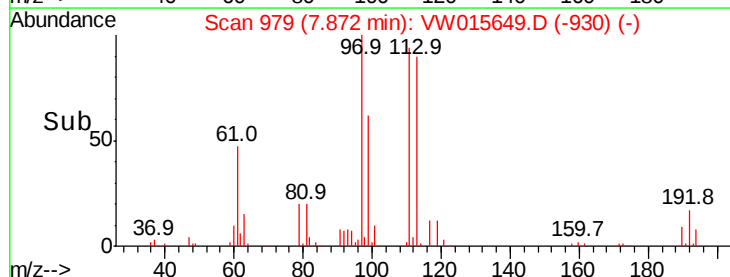
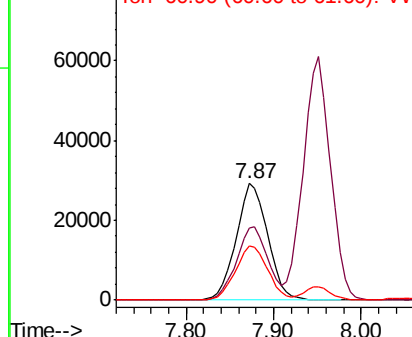
97 100

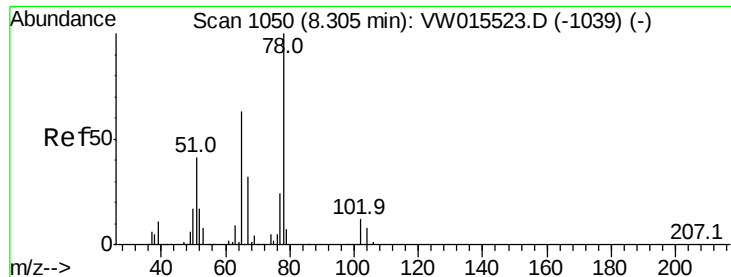
99 62.9 51.4 77.0

61 48.0 37.8 56.8



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

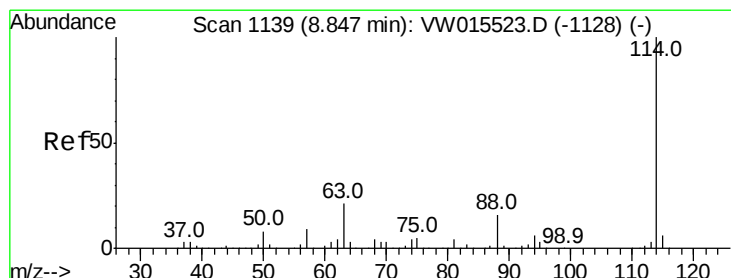
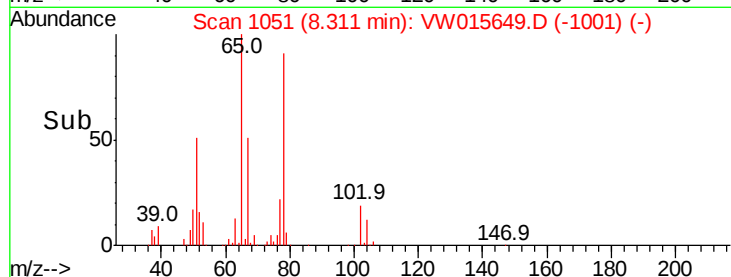
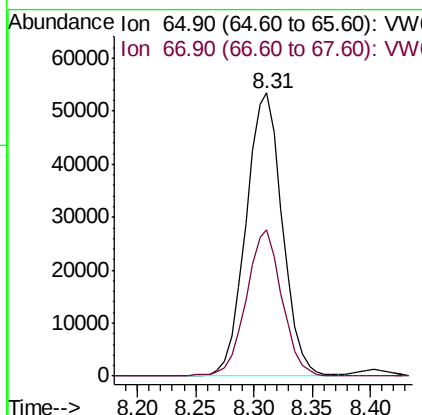
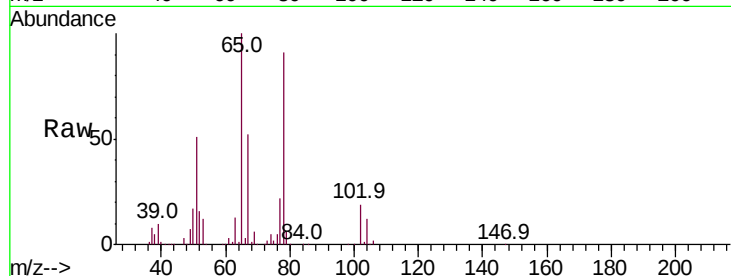




#33
 1,2-Dichloroethane-d4
 Concen: 49.385 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VW015649.D
 Acq: 22 Jun 2020 15:01

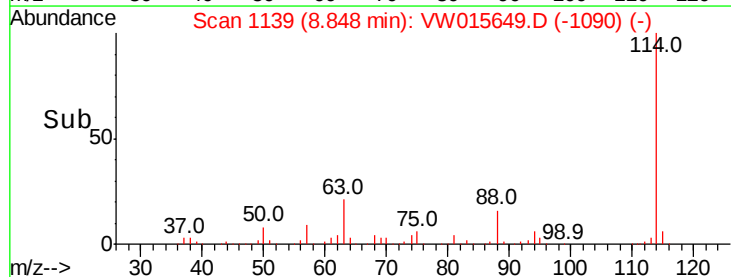
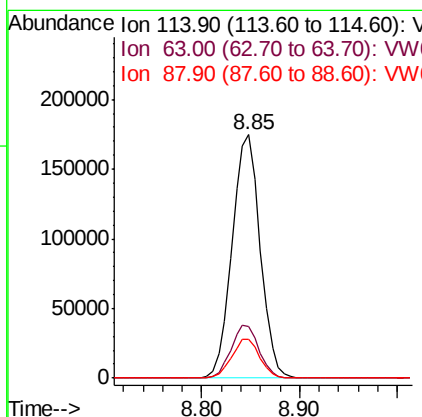
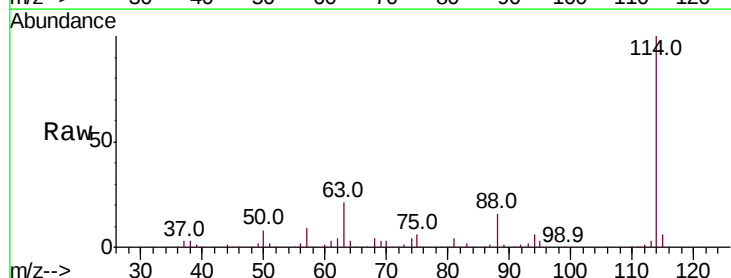
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0622SBSD01

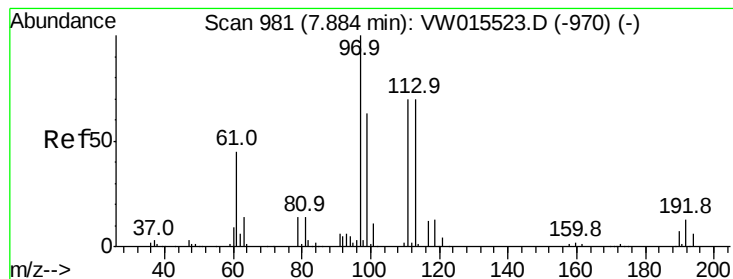
Tot Ion: 65 Resp: 116303
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW015649.D
 Acq: 22 Jun 2020 15:01

Tgt Ion: 114 Resp: 346064
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 42.0
 88 16.0 0.0 31.8





#35

Dibromofluoromethane

Concen: 49.322 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

ClientSampleId :

VW0622SBSD01

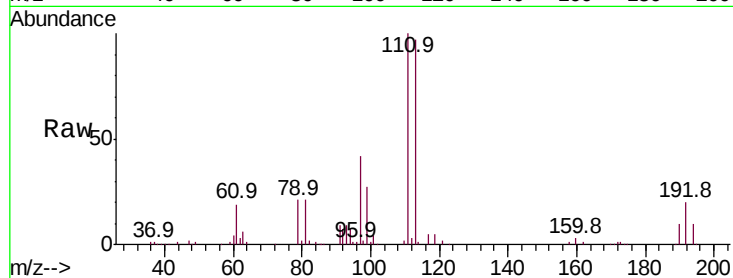
Tot Ion:113 Resp: 100604

Ion Ratio Lower Upper

113 100

111 104.6 83.3 124.9

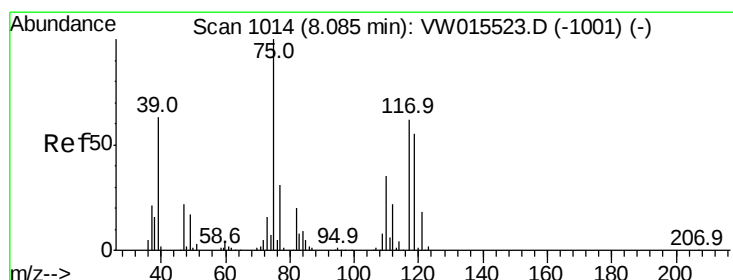
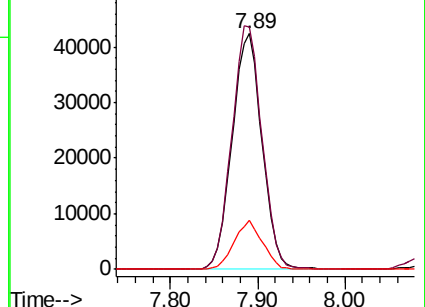
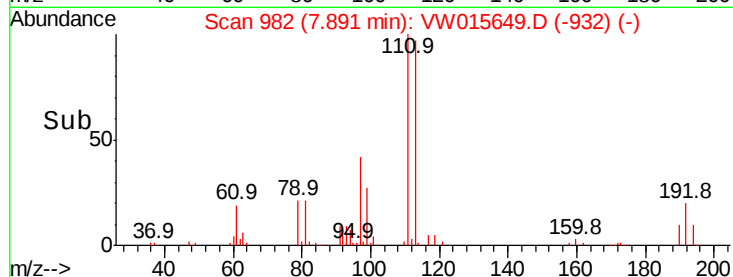
192 19.8 15.8 23.6



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: 19.850 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

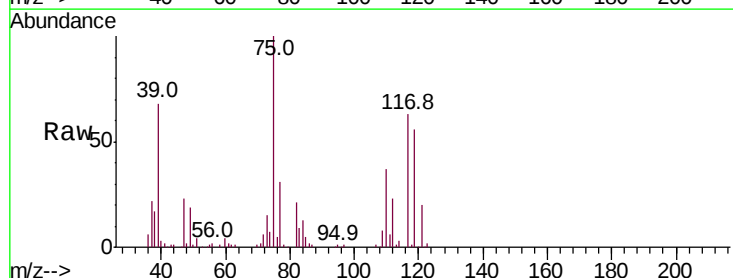
Tgt Ion: 75 Resp: 69502

Ion Ratio Lower Upper

75 100

110 33.9 17.2 51.6

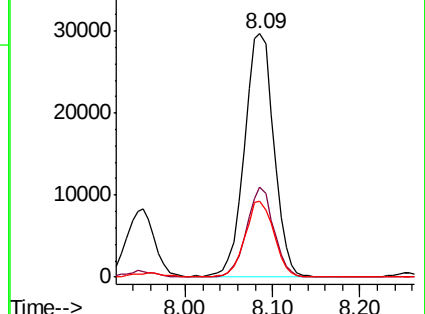
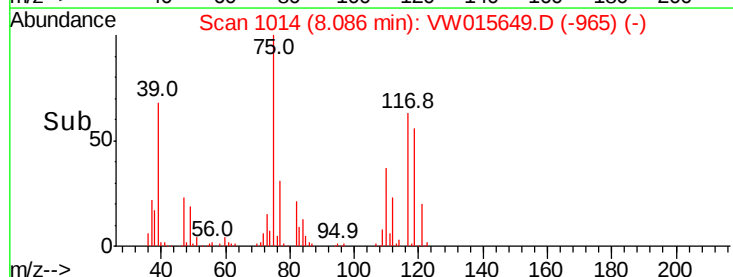
77 30.8 25.0 37.4

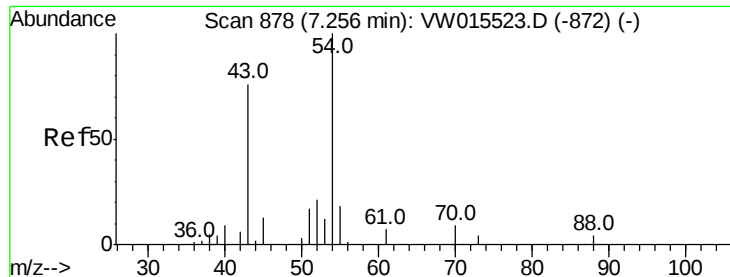


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

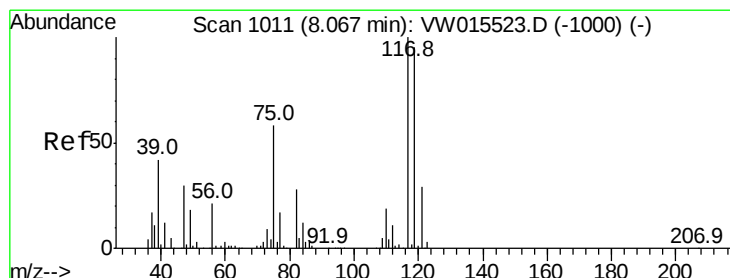
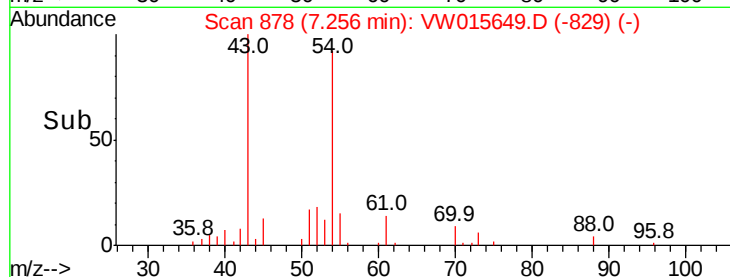
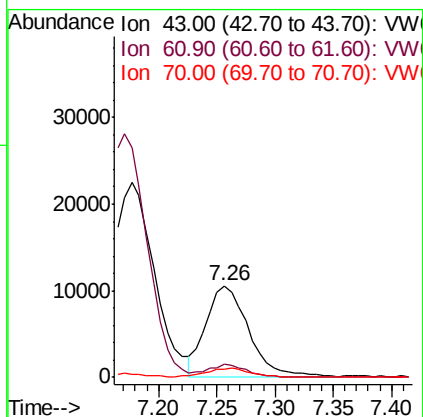
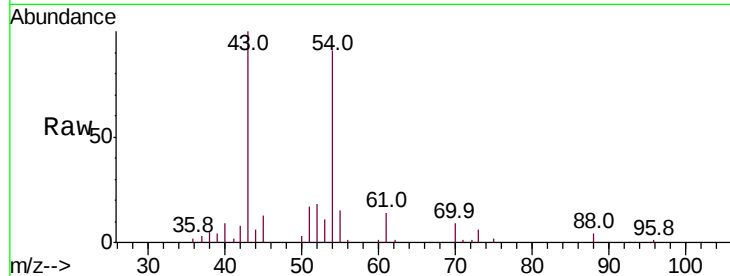




#37
Ethyl Acetate
Concen: 19.520 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

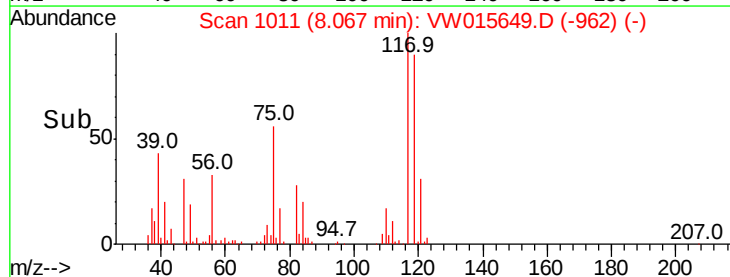
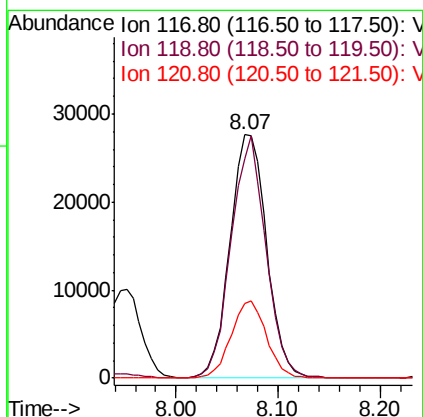
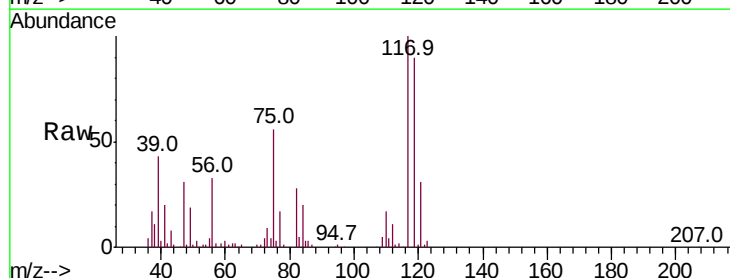
Instrument :
MSVOA_W
ClientSampleId :
VW0622SBSD01

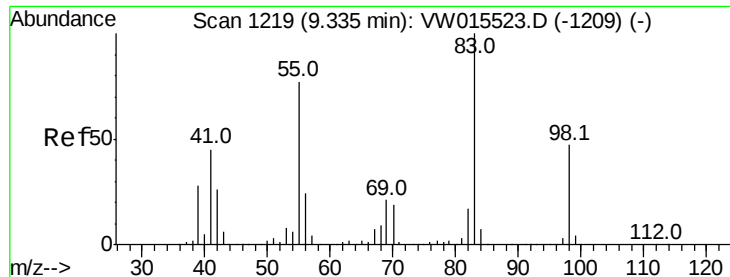
Tot Ion: 43 Resp: 26526
Ion Ratio Lower Upper
43 100
61 13.6 10.4 15.6
70 10.0 8.4 12.6



#38
Carbon Tetrachloride
Concen: 20.102 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Tgt Ion: 117 Resp: 68913
Ion Ratio Lower Upper
117 100
119 90.0 75.9 113.9
121 30.5 23.5 35.3

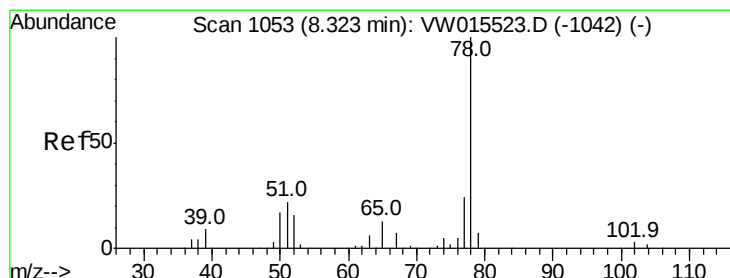
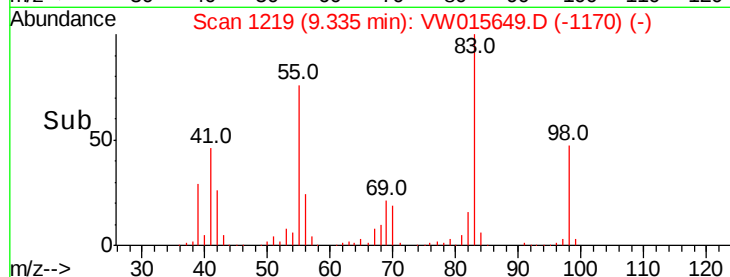
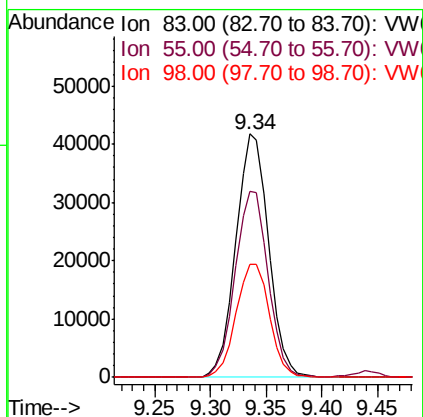
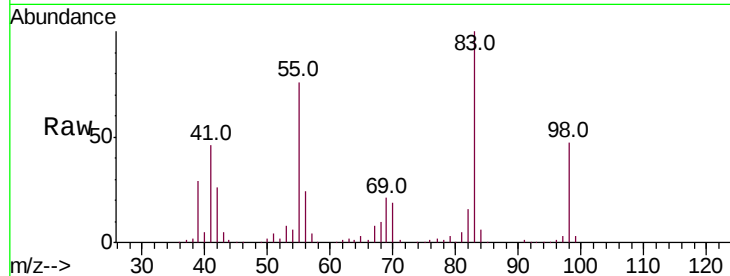




#39
Methvlcvclohexane
Concen: 19.718 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

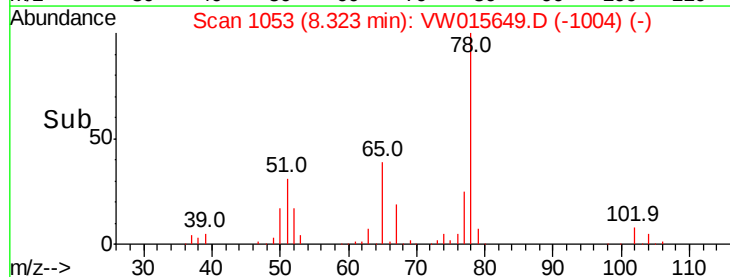
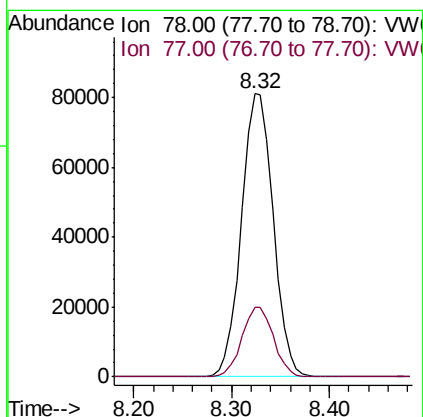
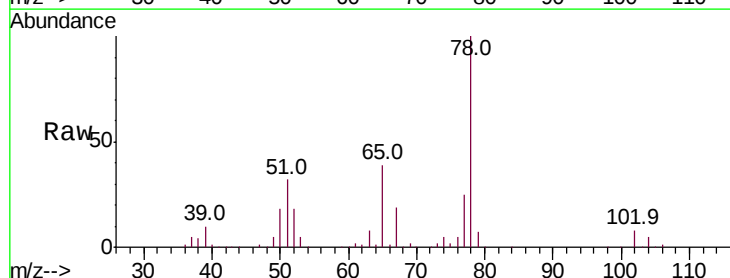
Instrument :
MSVOA_W
ClientSampleId :
VW0622SBSD01

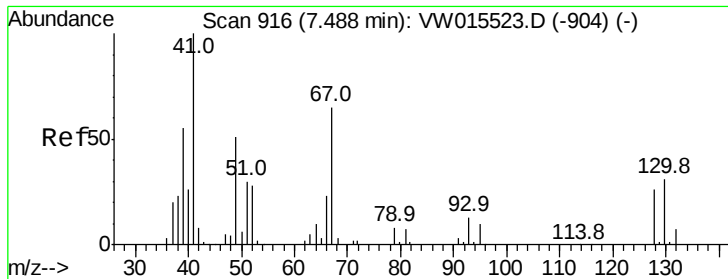
Tot Ion: 83 Resp: 85143
Ion Ratio Lower Upper
83 100
55 76.3 61.7 92.5
98 46.6 37.7 56.5



#40
Benzene
Concen: 19.358 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Tgt Ion: 78 Resp: 182912
Ion Ratio Lower Upper
78 100
77 24.8 19.2 28.8





#41

Methacrylonitrile

Concen: 19.181 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

ClientSampleId :

VW0622SBS01

Tot Ion: 41 Resp: 14972

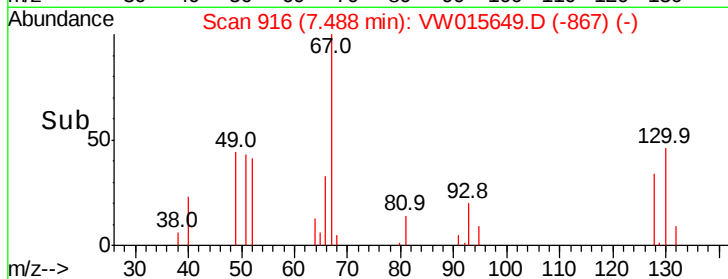
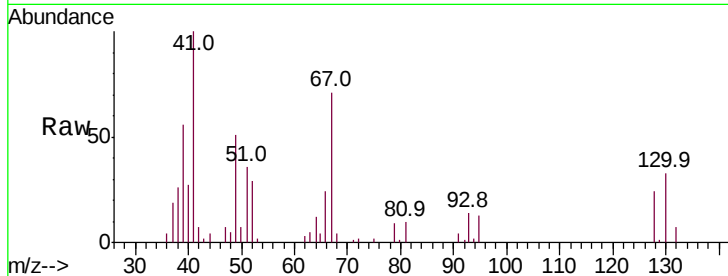
Ion Ratio Lower Upper

41 100

39 58.6 44.5 66.7

67 71.8 53.1 79.7

52 32.1 23.5 35.3

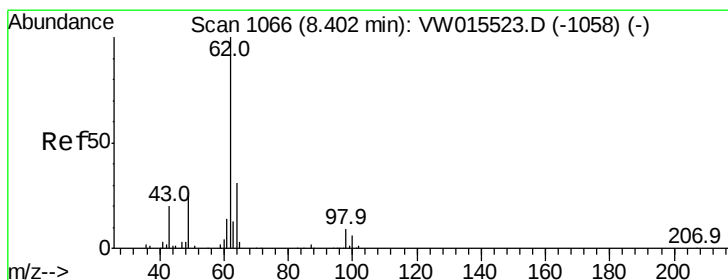
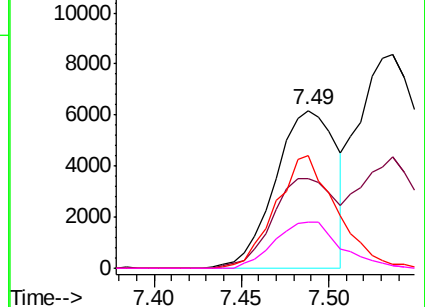


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 20.442 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW015649.D

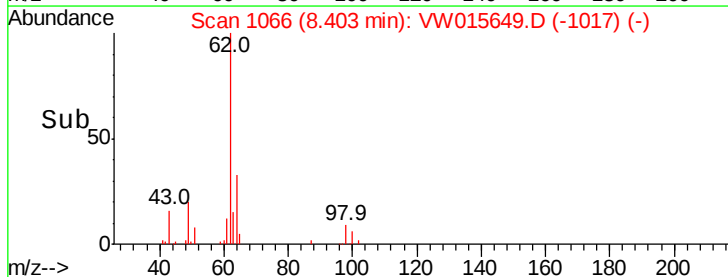
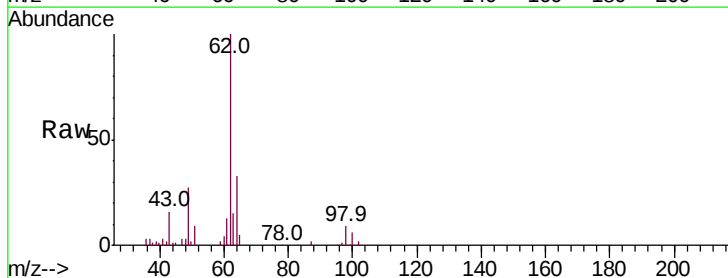
Acq: 22 Jun 2020 15:01

Tgt Ion: 62 Resp: 58953

Ion Ratio Lower Upper

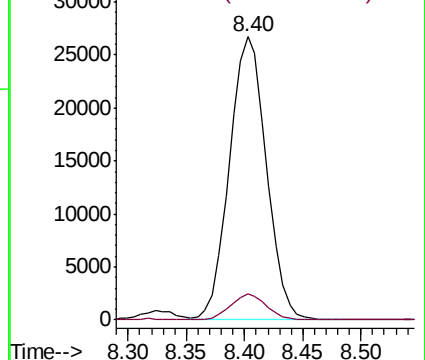
62 100

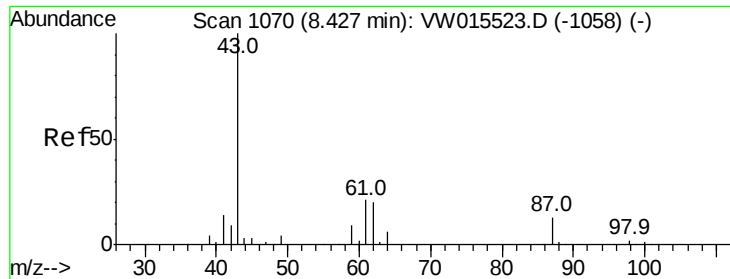
98 8.7 0.0 17.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 19.893 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

ClientSampleId :

VW0622SBS01

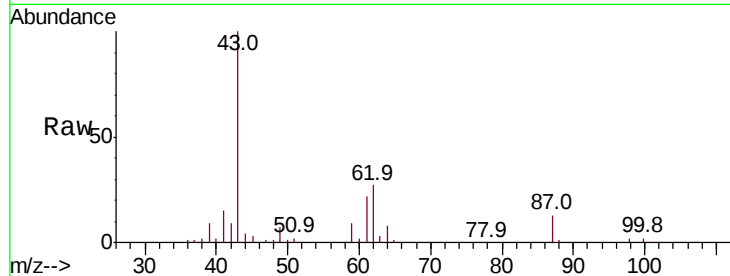
Tot Ion: 43 Resp: 53704

Ion Ratio Lower Upper

43 100

61 30.1 23.8 35.8

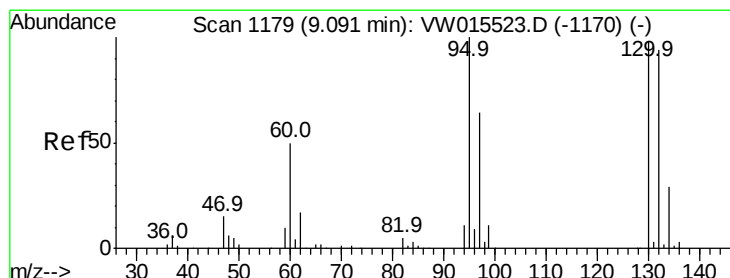
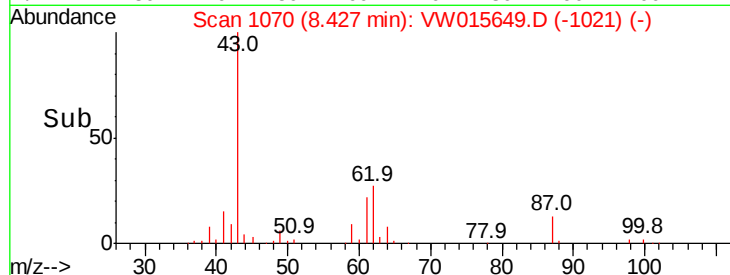
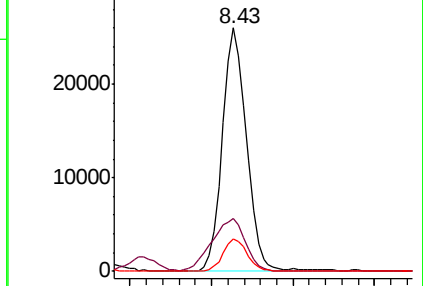
87 13.1 10.1 15.1



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: 20.124 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW015649.D

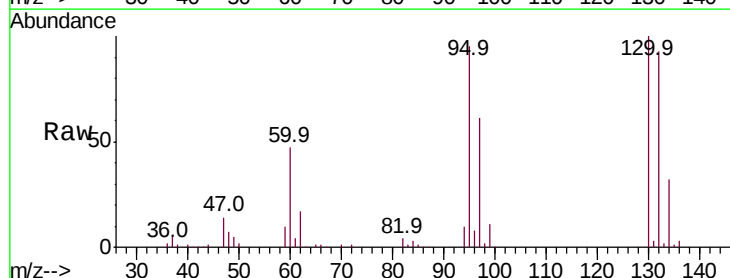
Acq: 22 Jun 2020 15:01

Tgt Ion:130 Resp: 50739

Ion Ratio Lower Upper

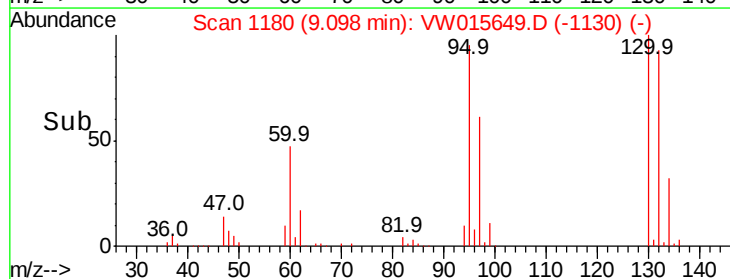
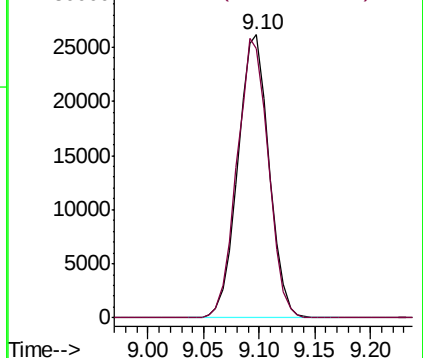
130 100

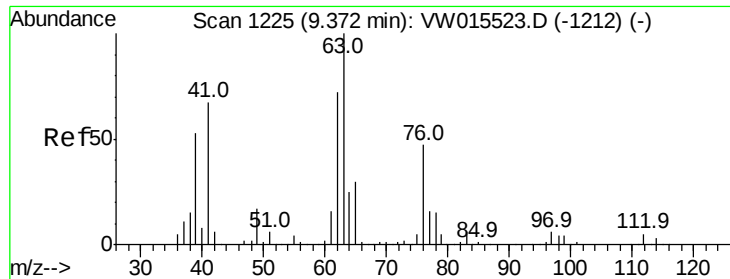
95 95.2 0.0 204.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 19.553 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

ClientSampled :

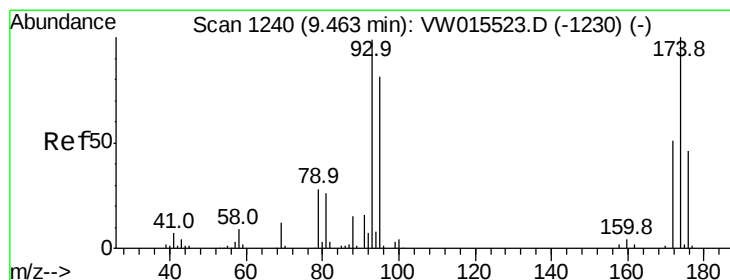
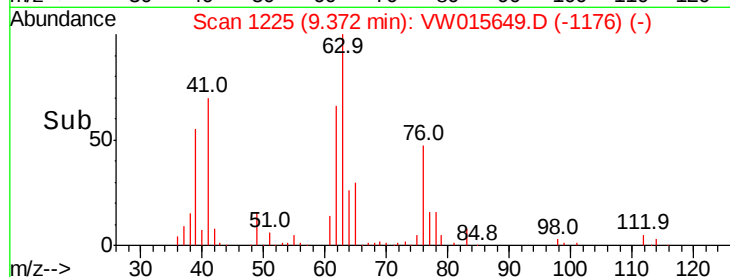
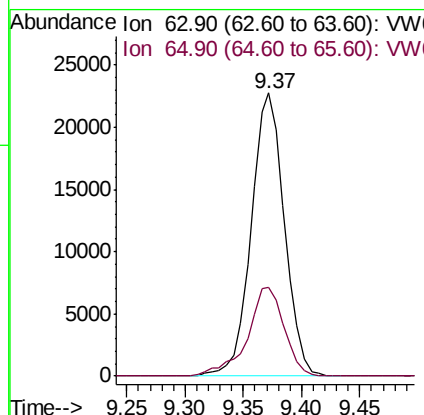
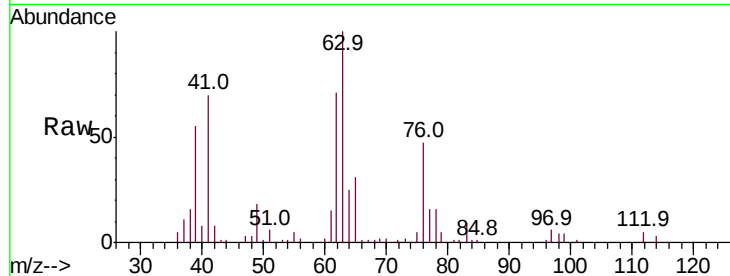
VW0622SBSD01

Tot Ion: 63 Resp: 45067

Ion Ratio Lower Upper

63 100

65 31.3 24.0 36.0



#46

Dibromomethane

Concen: 20.074 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

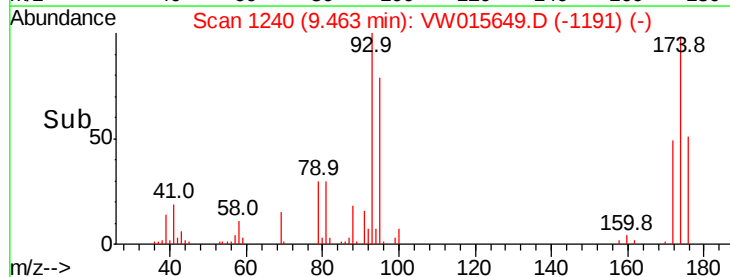
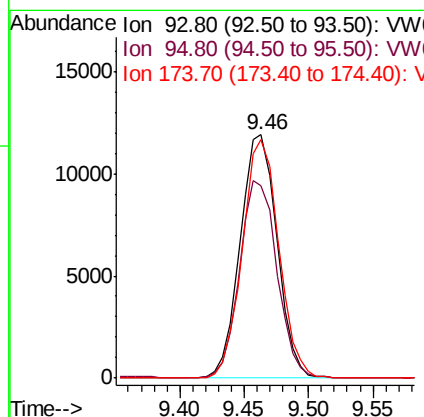
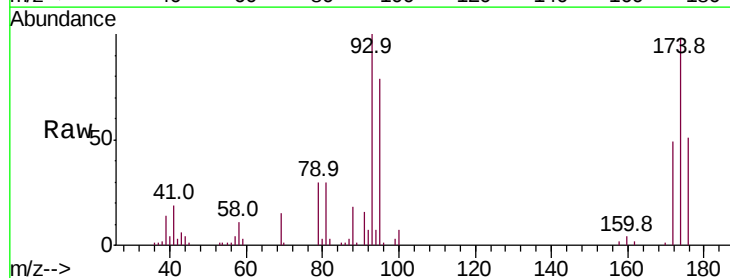
Tgt Ion: 93 Resp: 23620

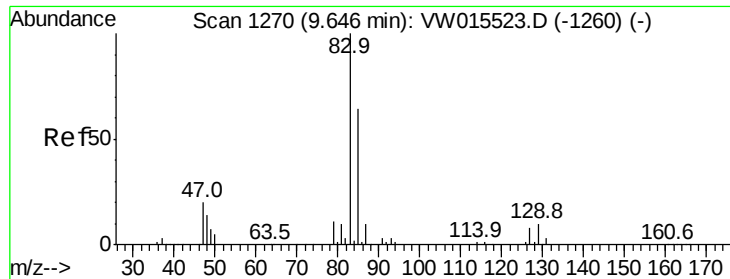
Ion Ratio Lower Upper

93 100

95 82.1 65.1 97.7

174 96.7 78.6 118.0





#47

Bromodichloromethane

Concen: 19.366 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

ClientSampleId :

VW0622SBSD01

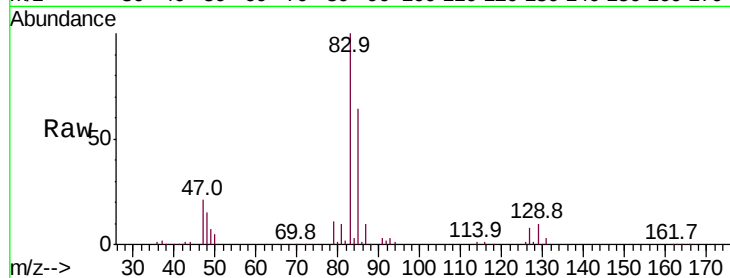
Tot Ion: 83 Resp: 61663

Ion Ratio Lower Upper

83 100

85 64.1 51.1 76.7

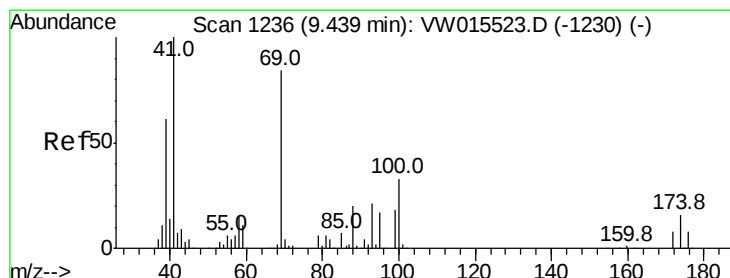
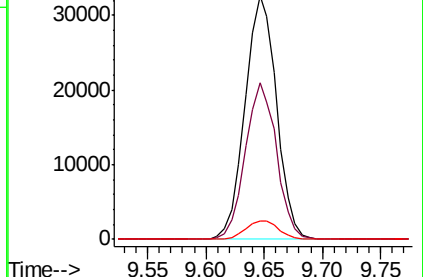
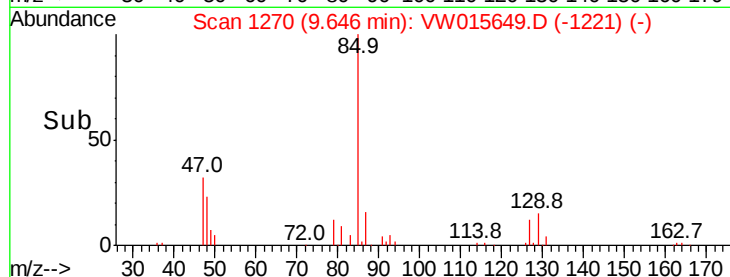
127 7.7 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 19.986 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

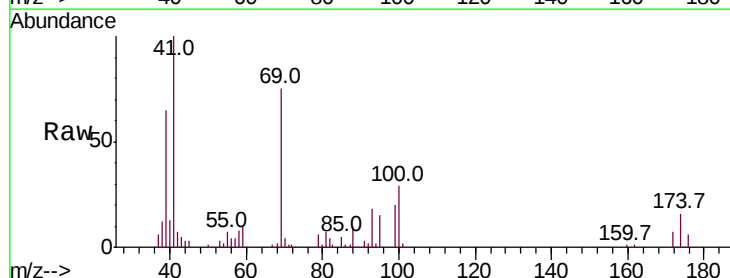
Tgt Ion: 41 Resp: 24663

Ion Ratio Lower Upper

41 100

69 82.8 67.8 101.8

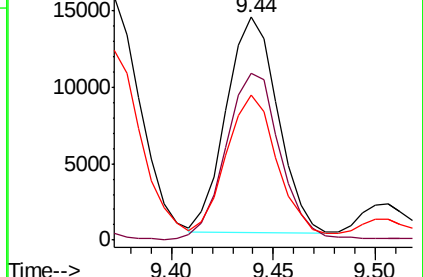
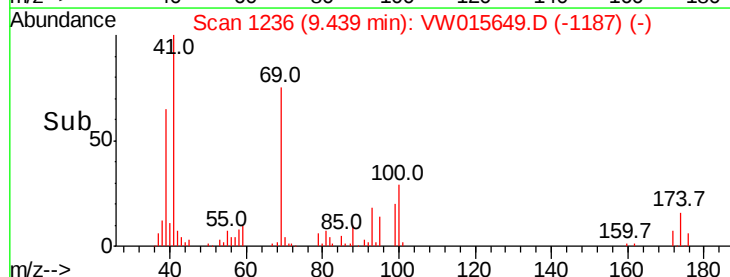
39 63.3 50.2 75.2

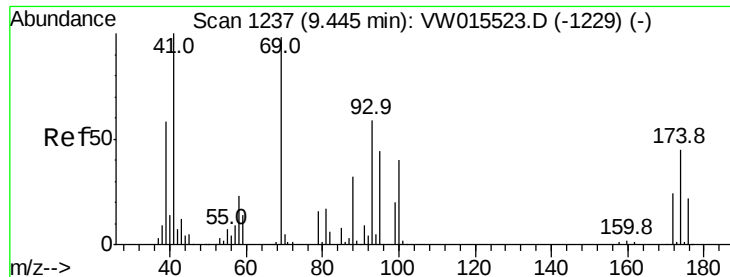


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 336.884 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

ClientSampleId :

VW0622SBSD01

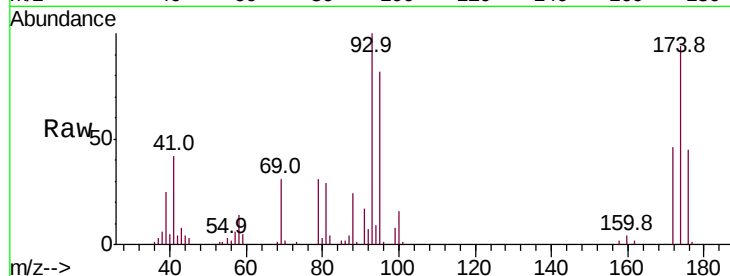
Tot Ion: 88 Resp: 5937

Ion Ratio Lower Upper

88 100

43 41.3 27.9 41.9

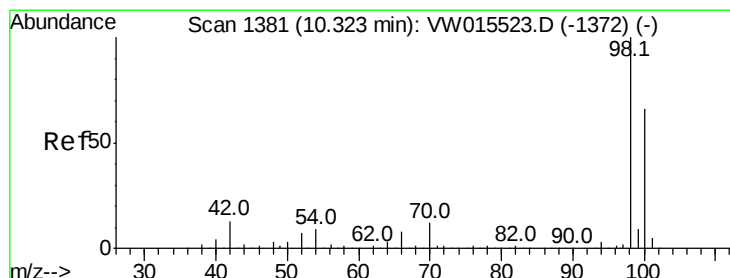
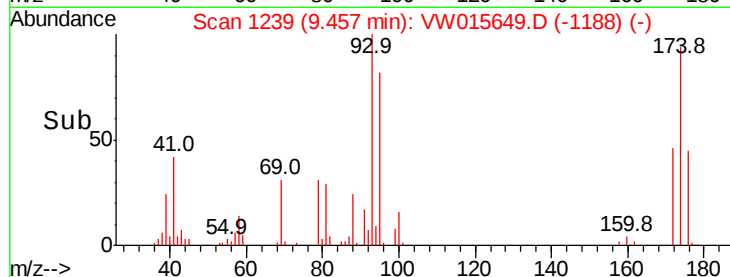
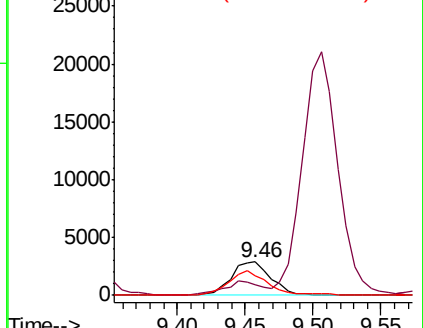
58 69.3 58.8 88.2



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: 50.287 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW015649.D

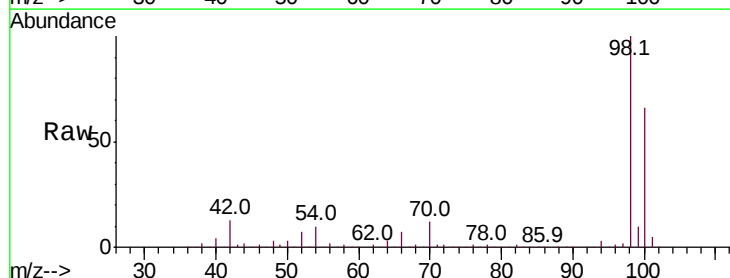
Acq: 22 Jun 2020 15:01

Tgt Ion: 98 Resp: 414771

Ion Ratio Lower Upper

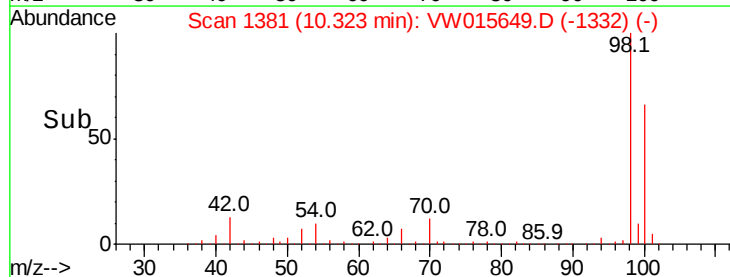
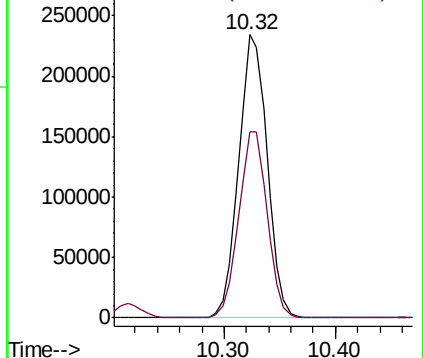
98 100

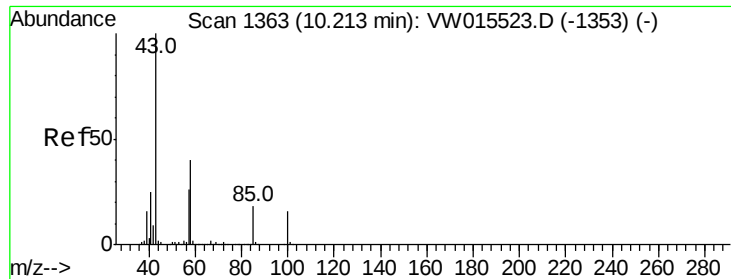
100 65.8 52.6 78.8



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: 101.586 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

ClientSampleId :

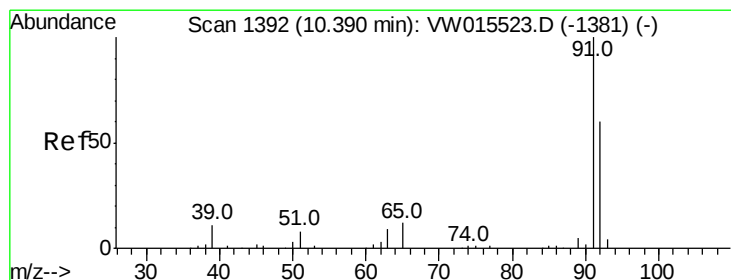
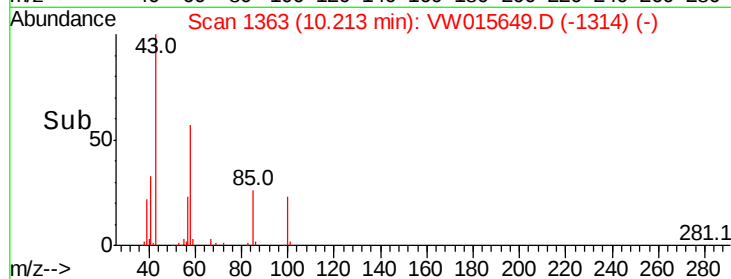
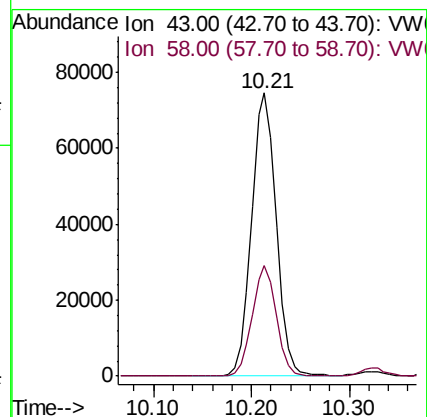
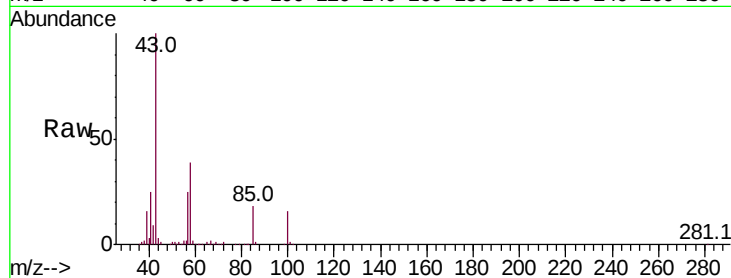
VW0622SBSD01

Tot Ion: 43 Resp: 130297

Ion Ratio Lower Upper

43 100

58 38.2 31.4 47.0



#52

Toluene

Concen: 20.319 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015649.D

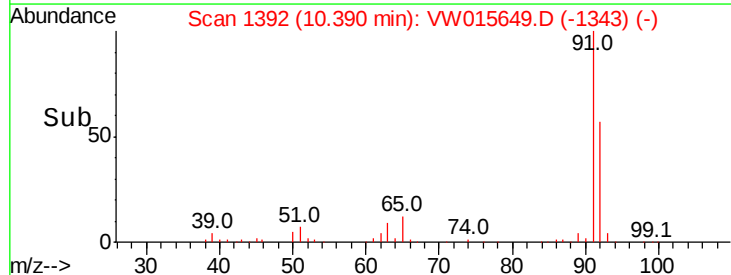
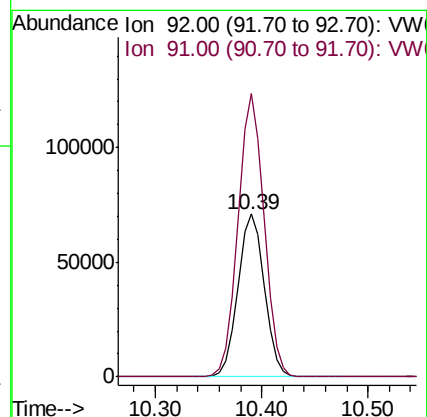
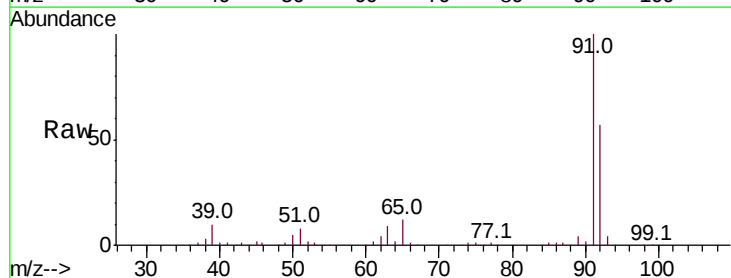
Acq: 22 Jun 2020 15:01

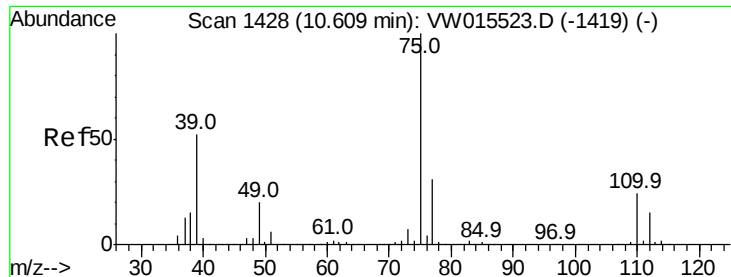
Tgt Ion: 92 Resp: 123842

Ion Ratio Lower Upper

92 100

91 171.9 136.5 204.7

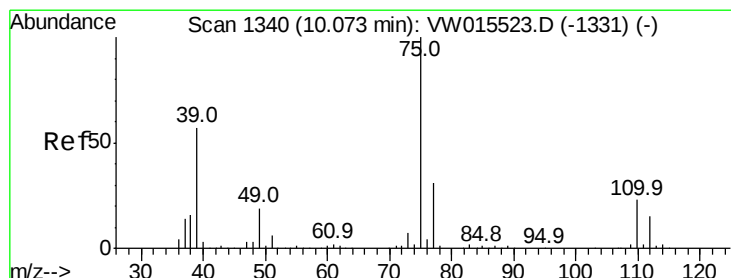
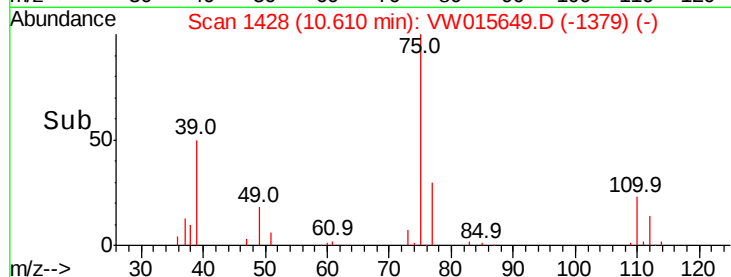
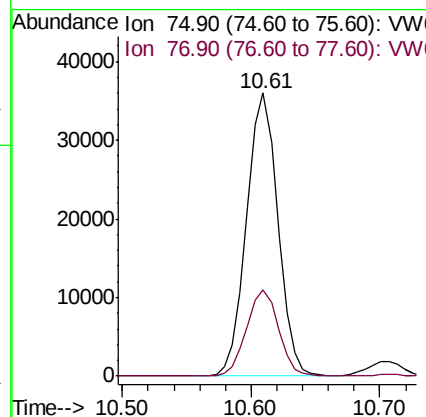
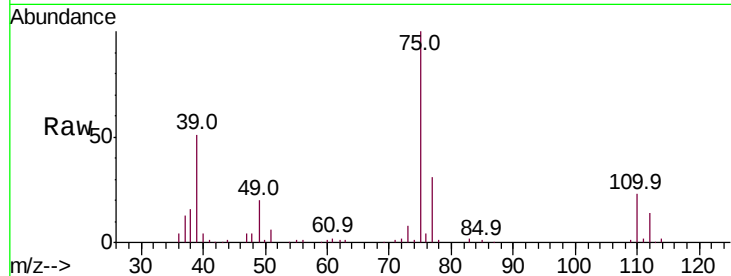




#53
 t-1,3-Dichloropropene
 Concen: 19.307 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW015649.D
 Acq: 22 Jun 2020 15:01

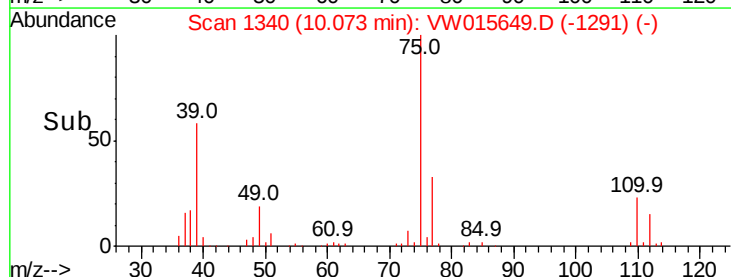
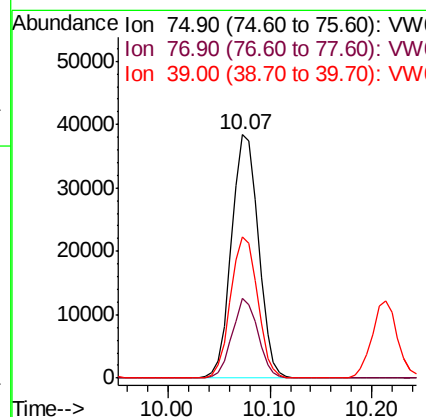
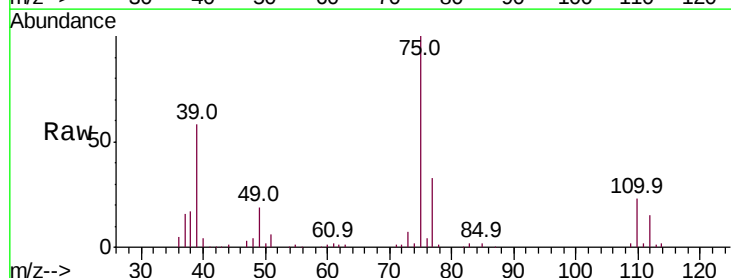
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0622SBSD01

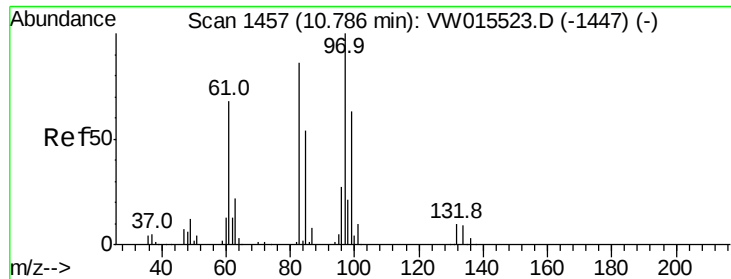
Tot Ion: 75 Resp: 60597
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.0 37.4



#54
 cis-1,3-Dichloropropene
 Concen: 18.982 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015649.D
 Acq: 22 Jun 2020 15:01

Tgt Ion: 75 Resp: 70201
 Ion Ratio Lower Upper
 75 100
 77 32.8 24.9 37.3
 39 57.9 45.4 68.2



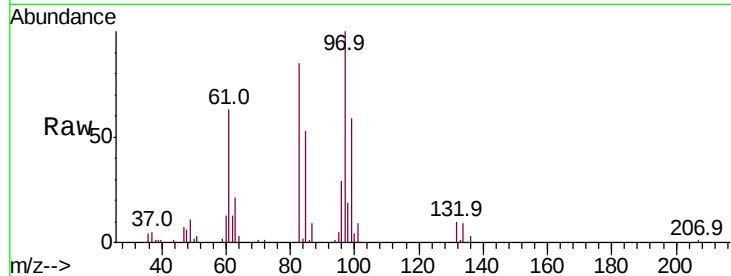


#55
 1,1,2-Trichloroethane
 Concen: 20.962 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW015649.D
 Acq: 22 Jun 2020 15:01

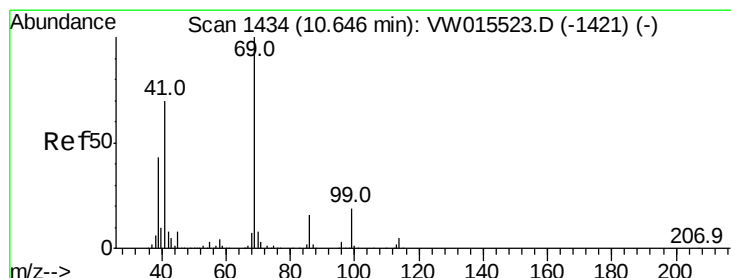
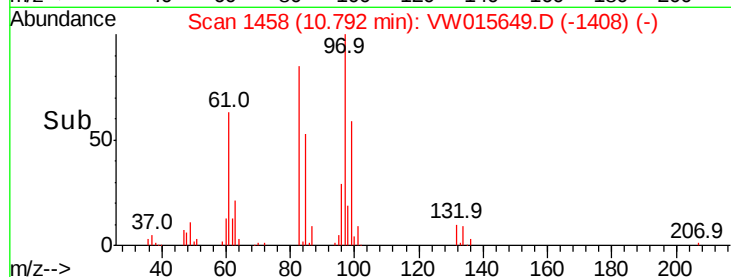
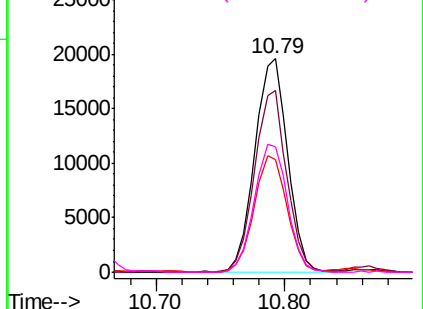
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0622SBSD01

Tot Ion: 97 Resp: 34429

Ion	Ratio	Lower	Upper
97	100		
83	85.0	68.6	102.8
85	52.6	43.2	64.8
99	58.8	50.5	75.7



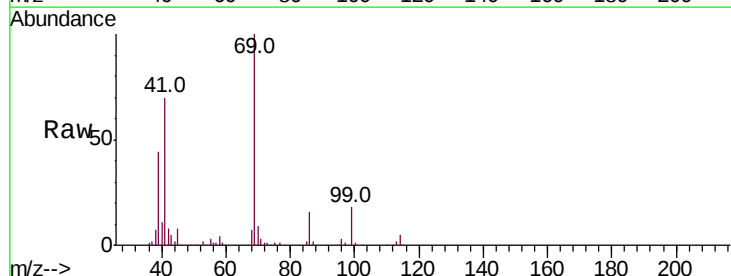
Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW



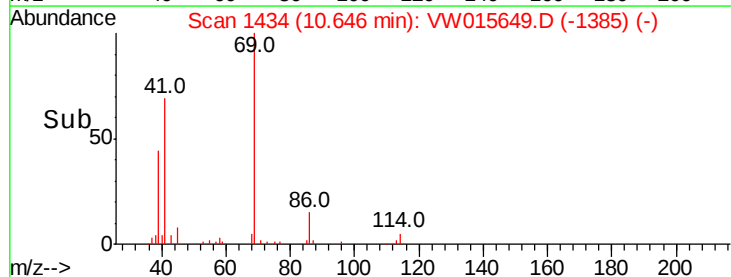
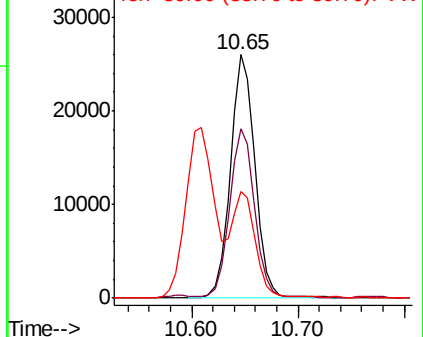
#56
 Ethyl methacrylate
 Concen: 19.678 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015649.D
 Acq: 22 Jun 2020 15:01

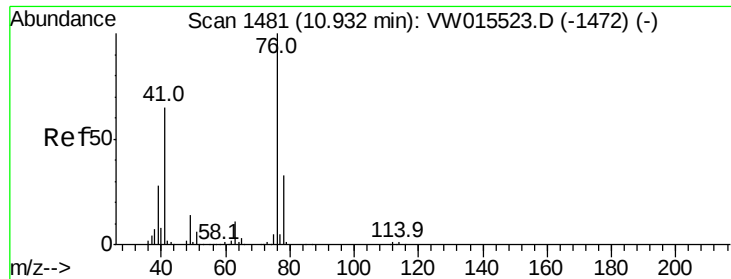
Tgt Ion: 69 Resp: 42041

Ion	Ratio	Lower	Upper
69	100		
41	70.3	56.2	84.4
39	38.1	33.3	49.9



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: 20.473 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

ClientSampleId :

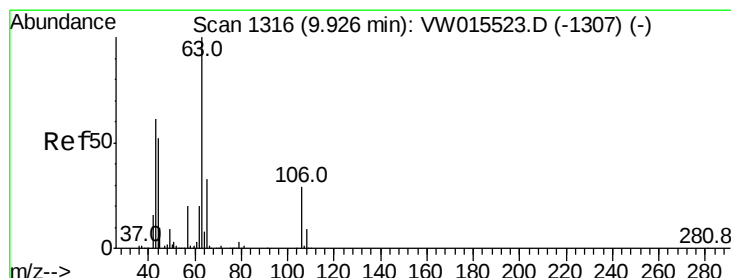
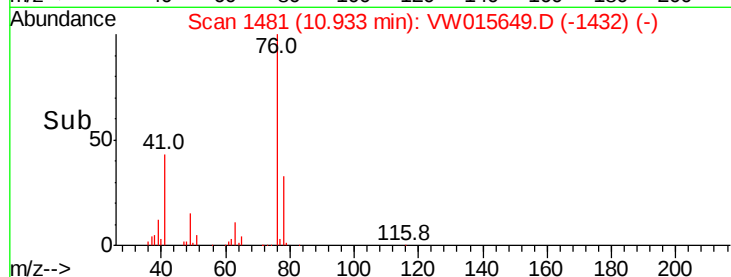
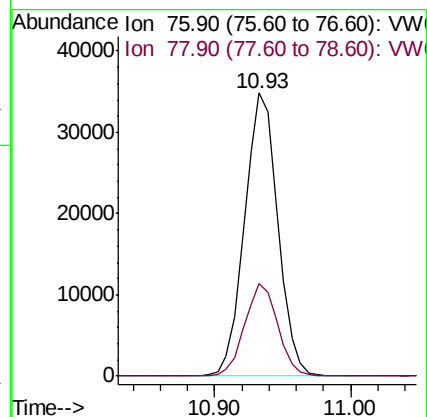
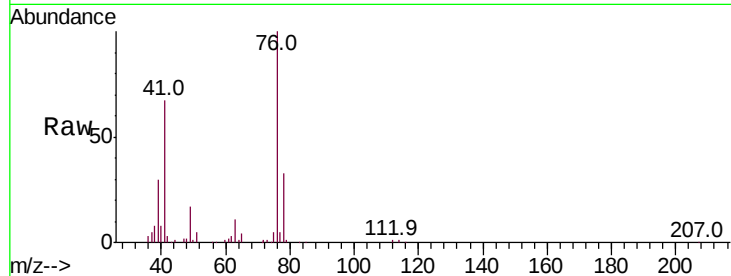
VW0622SBSD01

Tot Ion: 76 Resp: 59546

Ion Ratio Lower Upper

76 100

78 32.6 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 101.305 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW015649.D

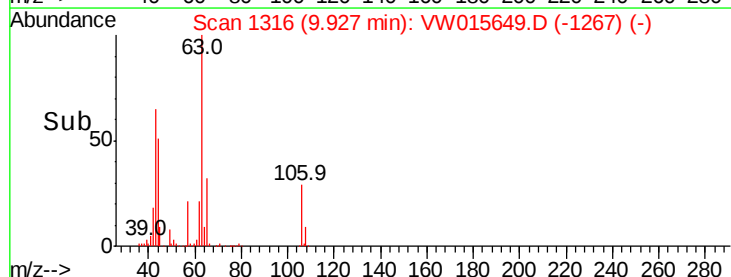
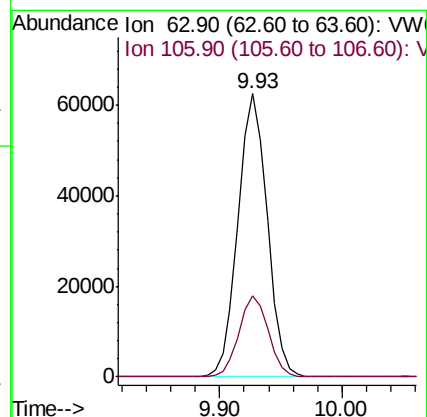
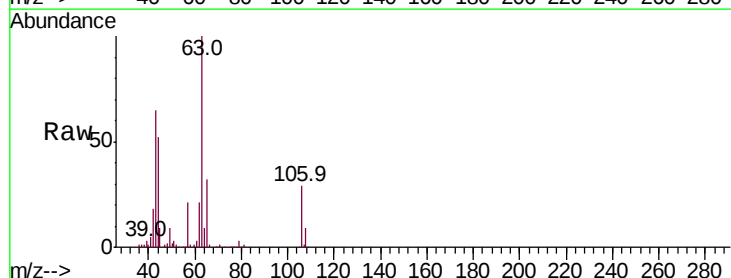
Acq: 22 Jun 2020 15:01

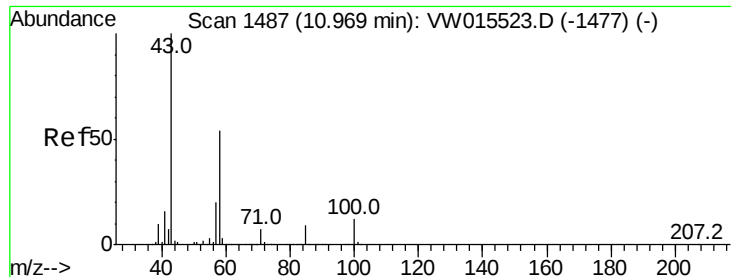
Tgt Ion: 63 Resp: 103484

Ion Ratio Lower Upper

63 100

106 29.1 22.9 34.3





#59

2-Hexanone

Concen: 100.970 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

ClientSampleId :

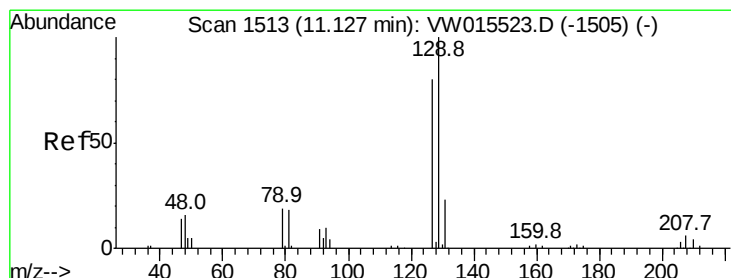
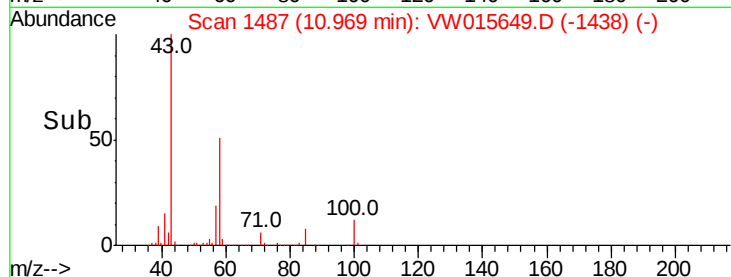
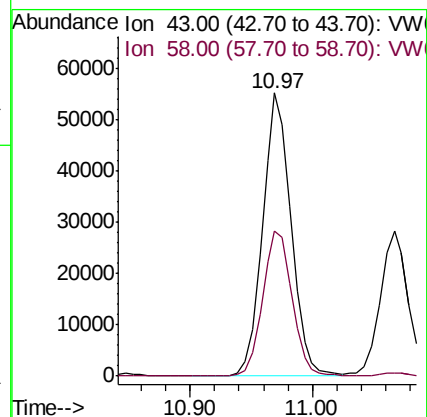
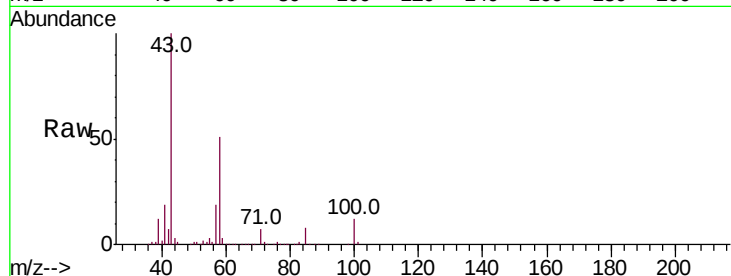
VW0622SBSD01

Tot Ion: 43 Resp: 89579

Ion Ratio Lower Upper

43 100

58 52.9 26.8 80.3



#60

Dibromochloromethane

Concen: 19.416 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW015649.D

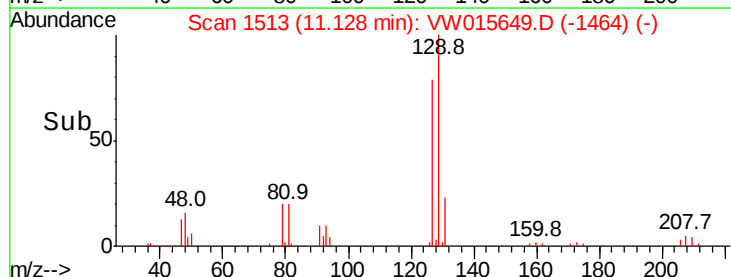
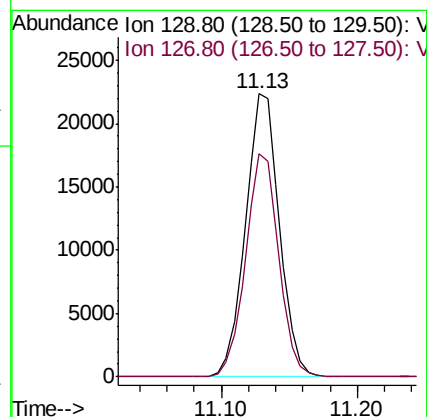
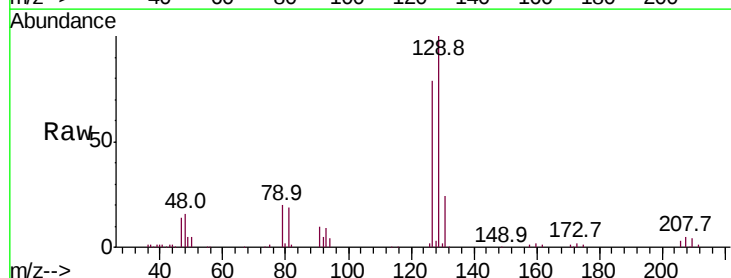
Acq: 22 Jun 2020 15:01

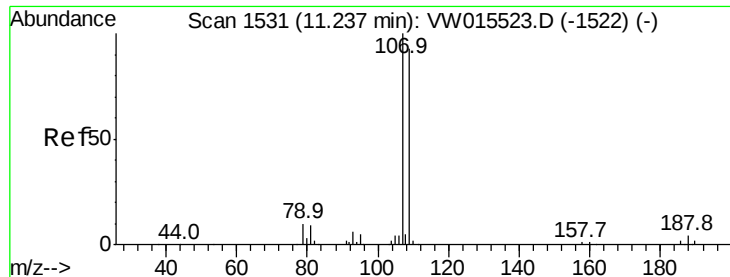
Tgt Ion: 129 Resp: 38913

Ion Ratio Lower Upper

129 100

127 77.1 38.4 115.2





#61

1,2-Dibromoethane

Concen: 19.932 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

ClientSampleId :

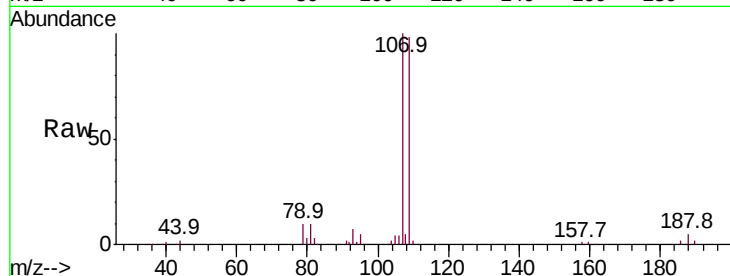
VW0622SBSD01

Tot Ion:107 Resp: 31330

Ion Ratio Lower Upper

107 100

109 96.7 74.6 111.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

20000

15000

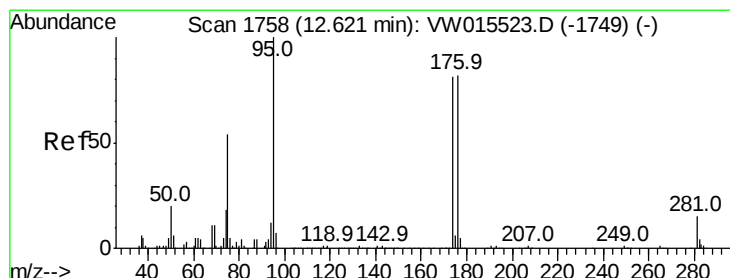
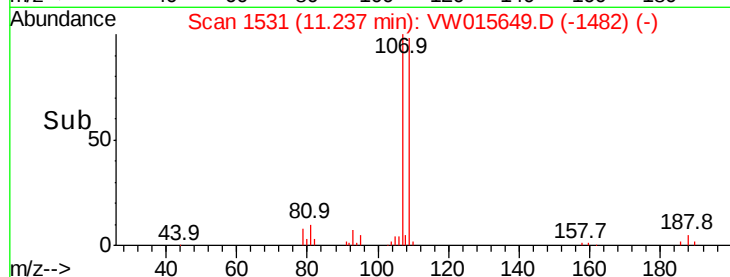
10000

5000

0

Time-->

11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 51.046 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

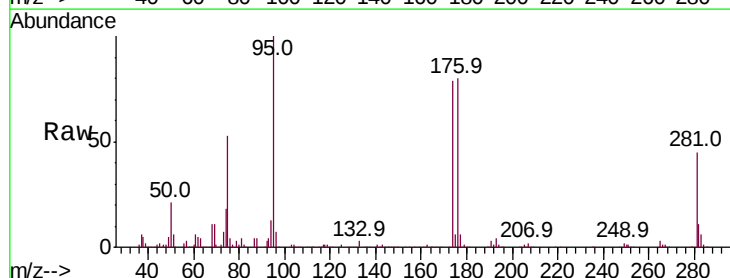
Tgt Ion: 95 Resp: 152967

Ion Ratio Lower Upper

95 100

174 78.2 0.0 153.6

176 77.0 0.0 152.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

120000

100000

80000

60000

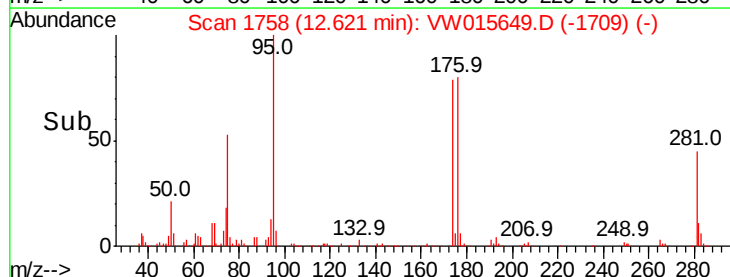
40000

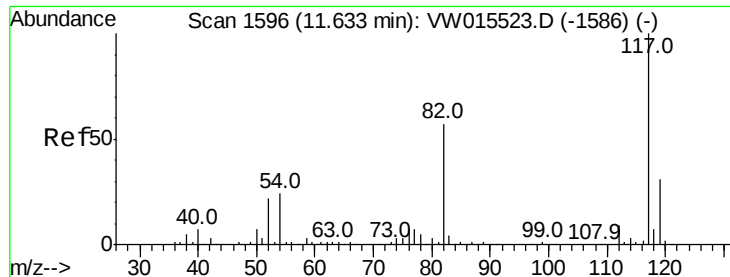
20000

0

Time-->

12.60 12.70

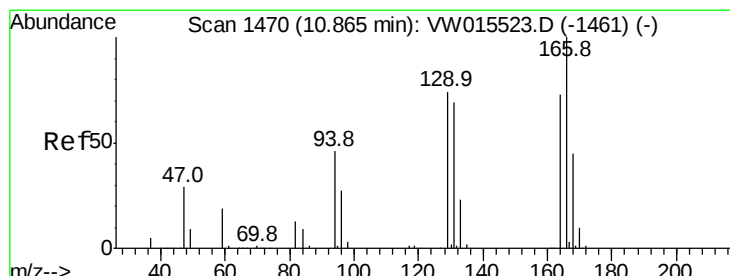
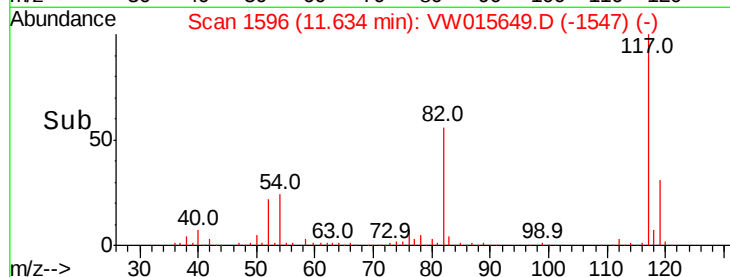
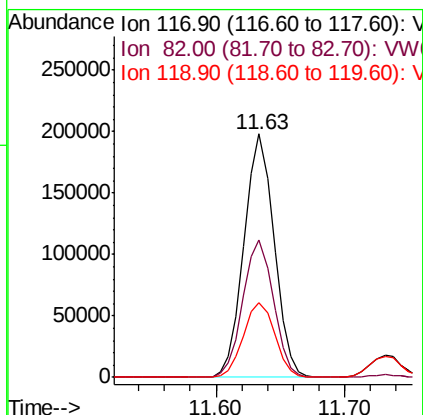
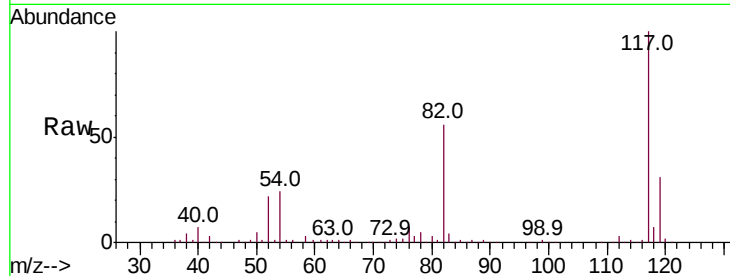




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

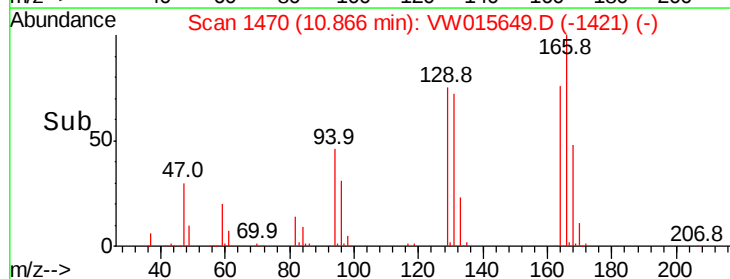
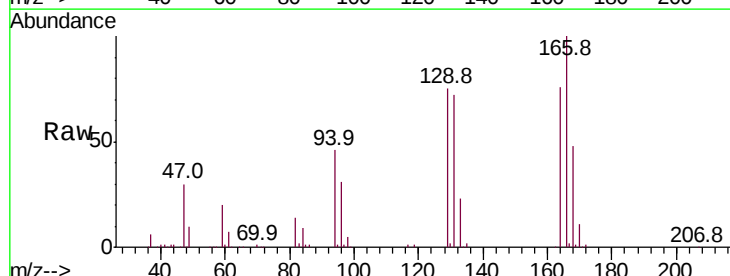
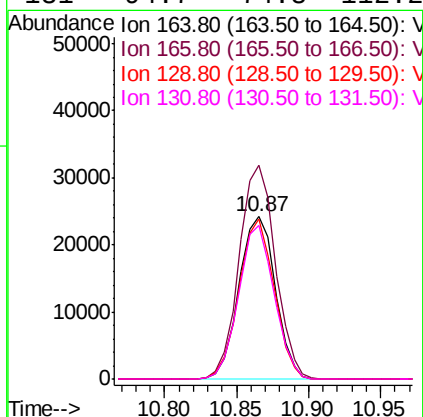
Instrument :
MSVOA_W
ClientSampleId :
VW0622SBSD01

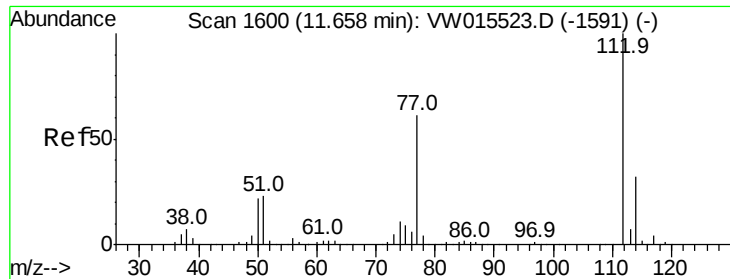
Tot Ion:117 Resp: 320093
Ion Ratio Lower Upper
117 100
82 56.2 45.8 68.8
119 30.5 24.7 37.1



#64
Tetrachloroethene
Concen: 19.778 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Tgt Ion:164 Resp: 42420
Ion Ratio Lower Upper
164 100
166 131.8 109.0 163.6
129 98.8 81.0 121.4
131 94.7 74.8 112.2

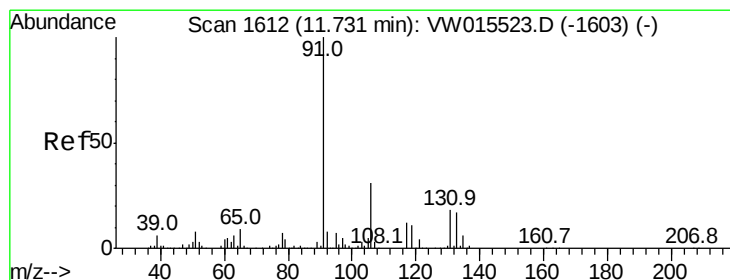
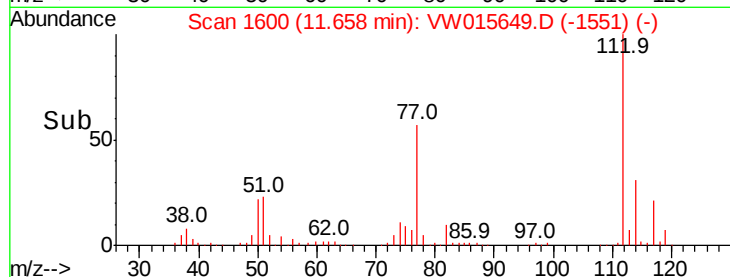
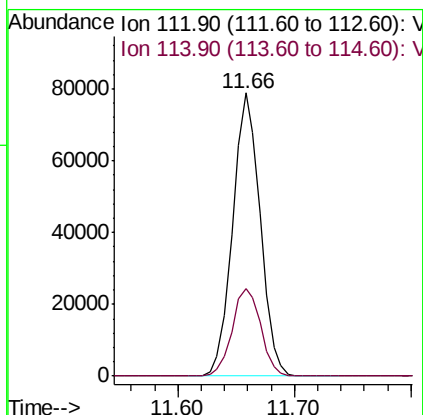
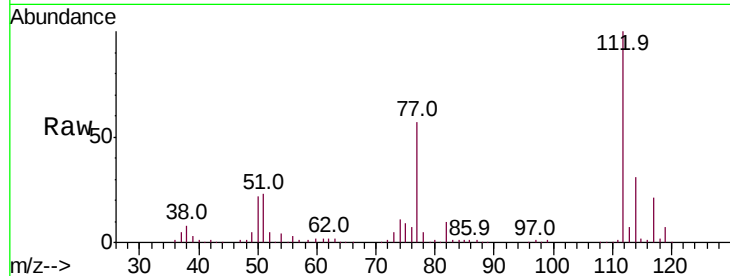




#65
Chlorobenzene
Concen: 19.874 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

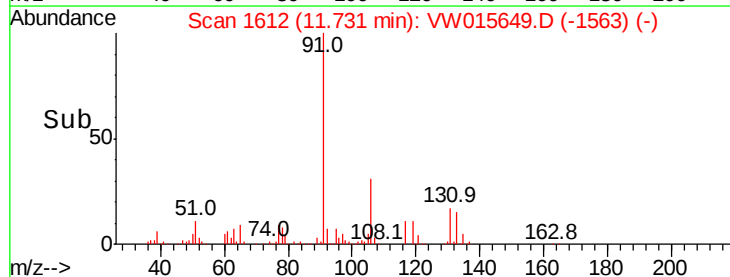
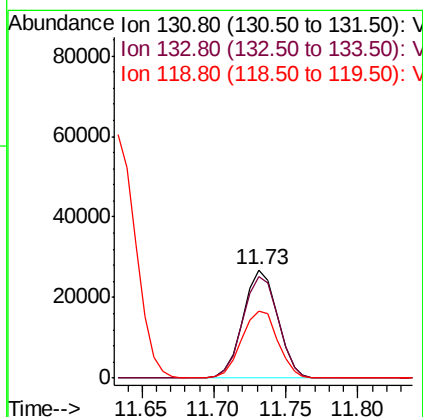
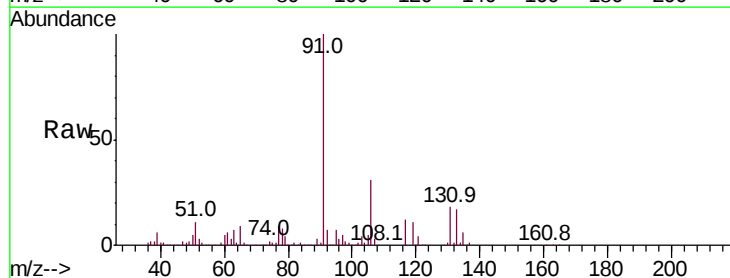
Instrument :
MSVOA_W
ClientSampleId :
VW0622SBSD01

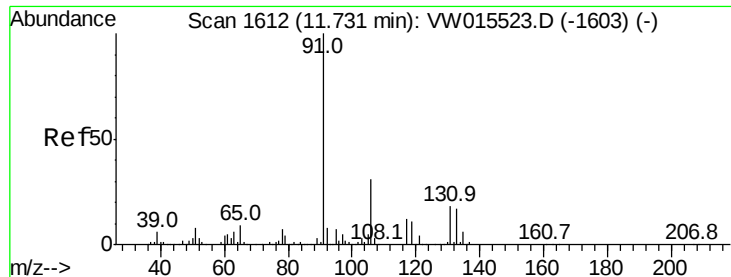
Tot Ion:112 Resp: 129682
Ion Ratio Lower Upper
112 100
114 31.0 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.178 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Tgt Ion:131 Resp: 44724
Ion Ratio Lower Upper
131 100
133 96.5 48.3 144.8
119 65.6 32.5 97.5

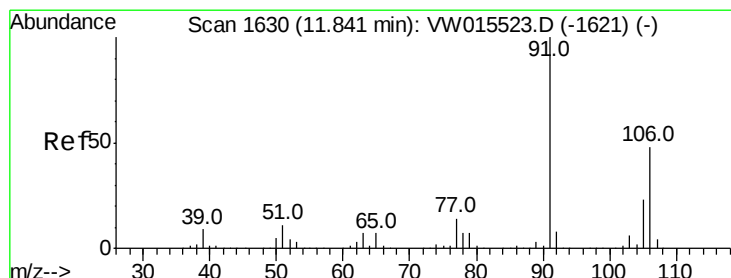
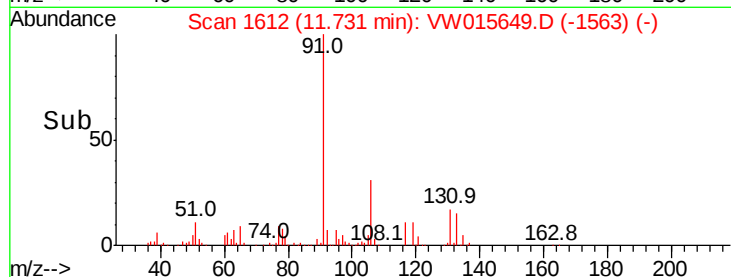
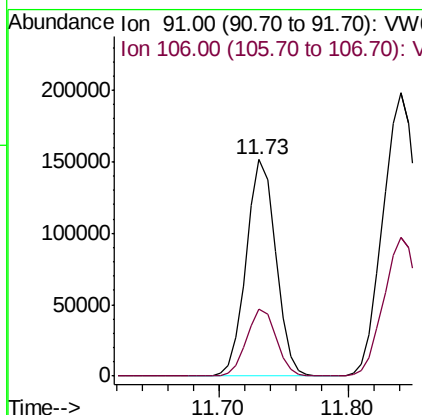
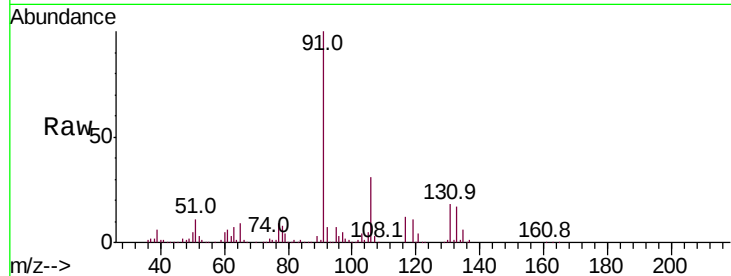




#67
Ethyl Benzene
Concen: 19.529 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

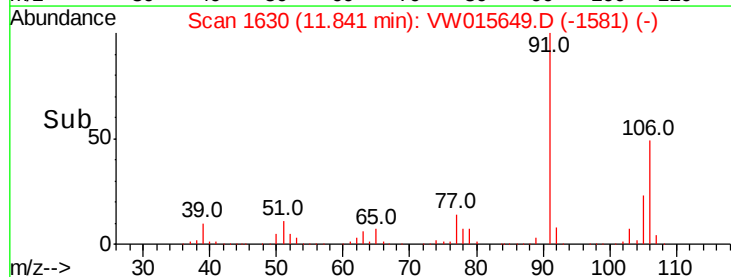
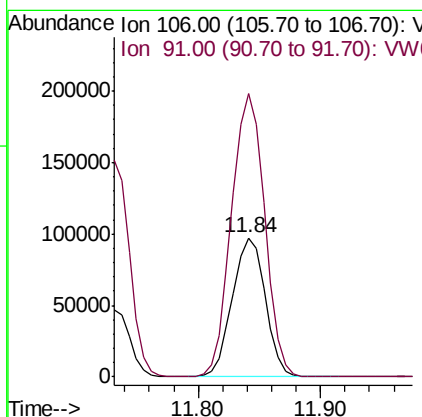
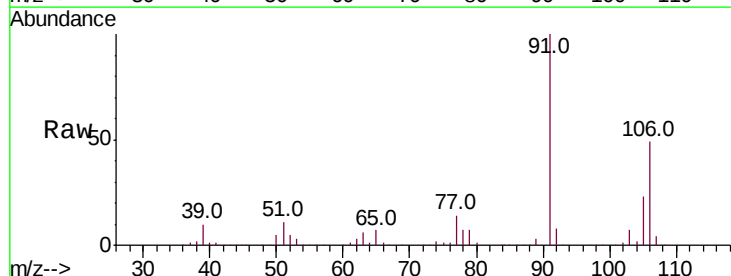
Instrument :
MSVOA_W
ClientSampleId :
VW0622SBSD01

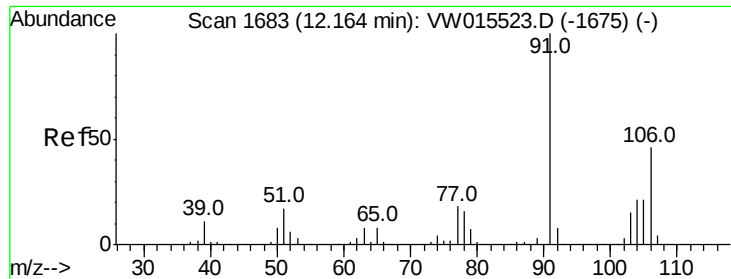
Tot Ion: 91 Resp: 239779
Ion Ratio Lower Upper
91 100
106 31.0 24.5 36.7



#68
m/p-Xylenes
Concen: 39.537 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Tgt Ion: 106 Resp: 181376
Ion Ratio Lower Upper
106 100
91 205.6 163.5 245.3

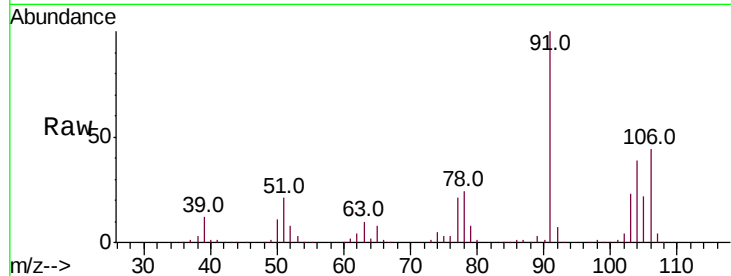




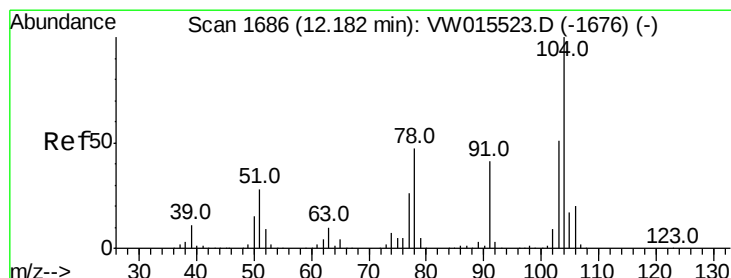
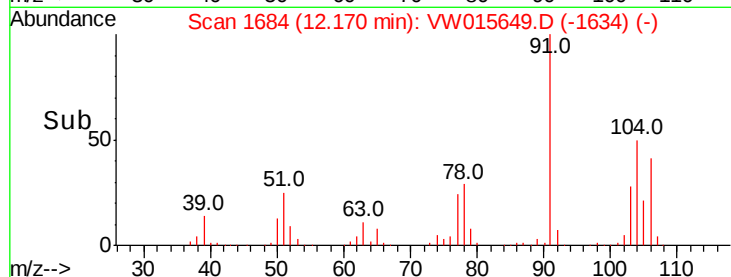
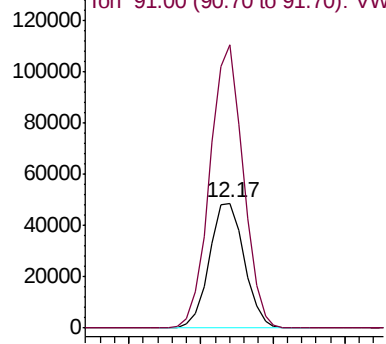
#69
o-Xylene
Concen: 19.173 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW0622SBS01

Tot Ion:106 Resp: 81933
Ion Ratio Lower Upper
106 100
91 216.8 107.8 323.4

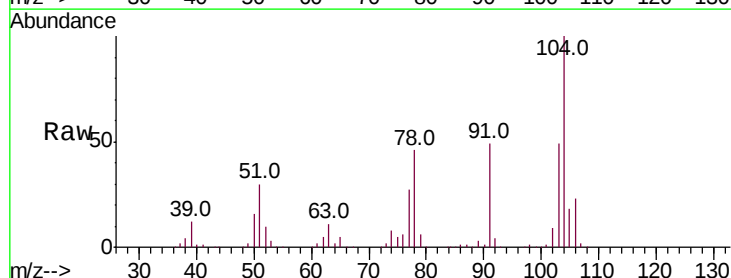


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

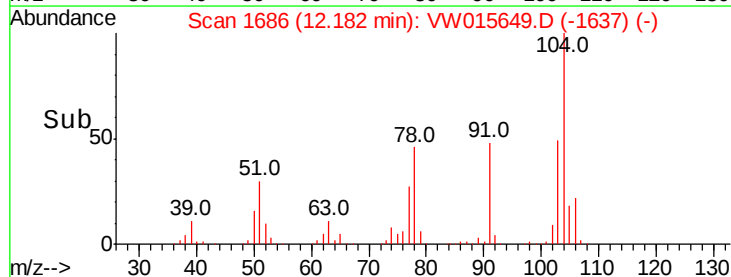
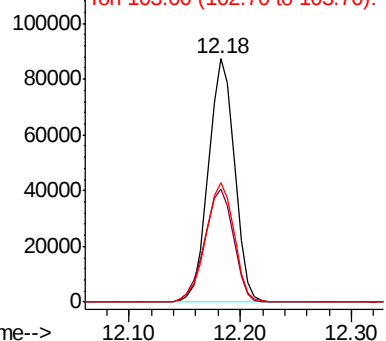


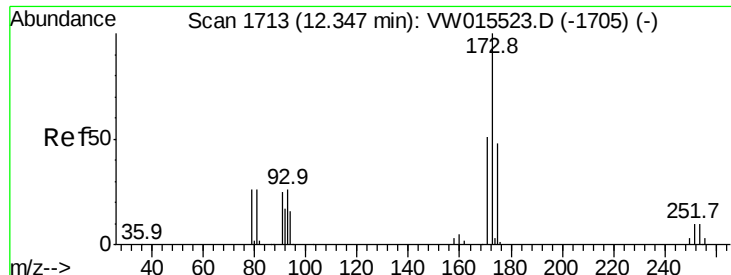
#70
Styrene
Concen: 19.503 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Tgt Ion:104 Resp: 142351
Ion Ratio Lower Upper
104 100
78 51.6 41.7 62.5
103 53.5 43.8 65.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW
Ion 103.00 (102.70 to 103.70): V

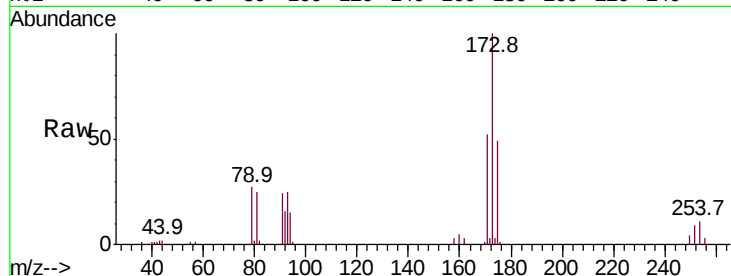




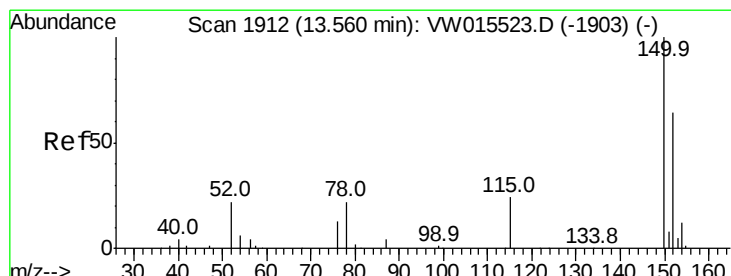
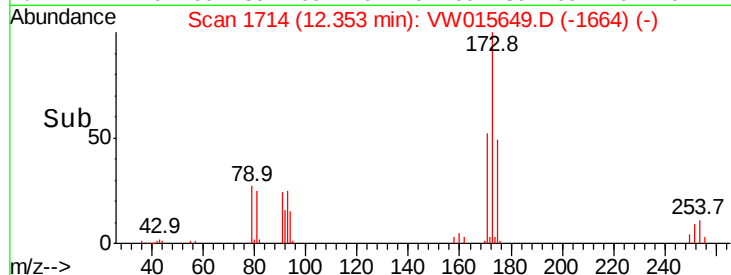
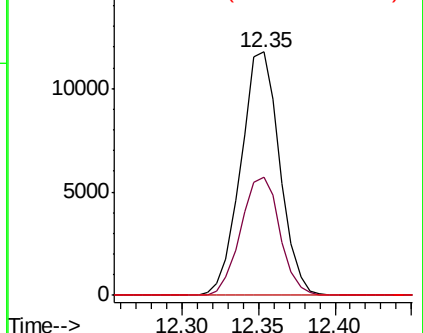
#71
Bromoform
Concen: 18.428 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW0622SBS01

Tot Ion:173 Resp: 20656
Ion Ratio Lower Upper
173 100
175 48.7 24.8 74.3
254 0.0 0.0 0.0

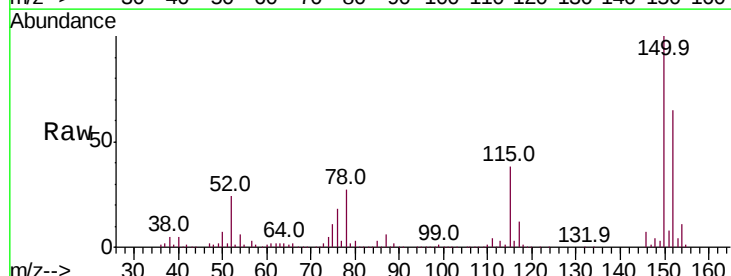


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

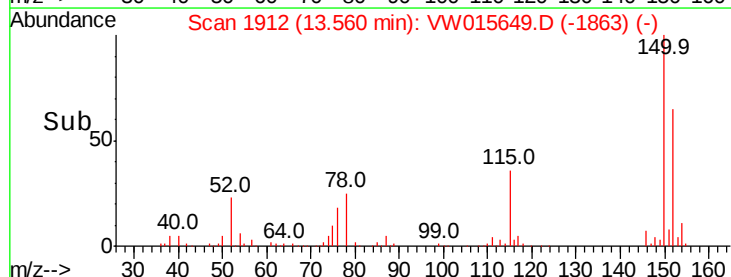
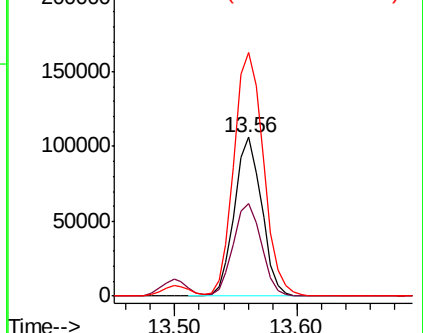


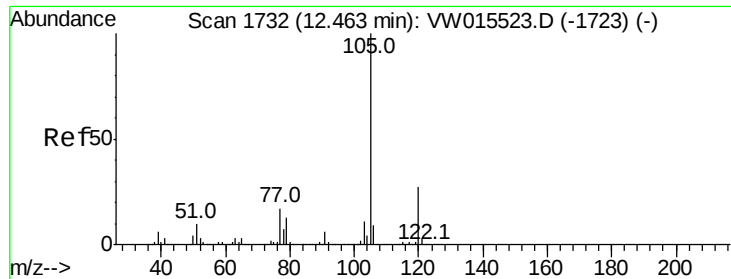
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Tgt Ion:152 Resp: 162992
Ion Ratio Lower Upper
152 100
115 60.5 30.0 90.0
150 167.0 0.0 351.0



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





#73

Isopropylbenzene

Concen: 18.921 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

ClientSampleId :

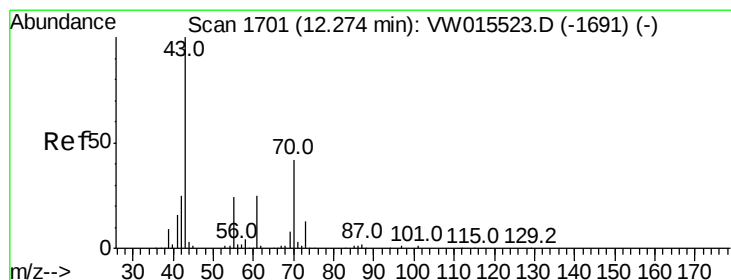
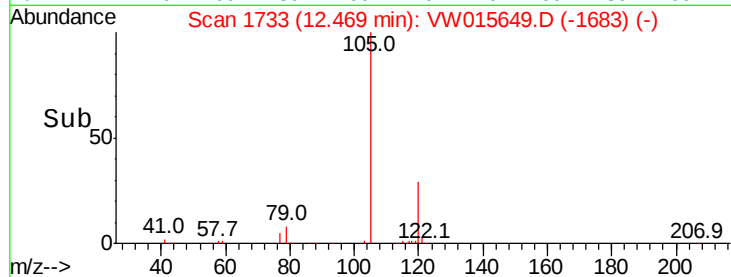
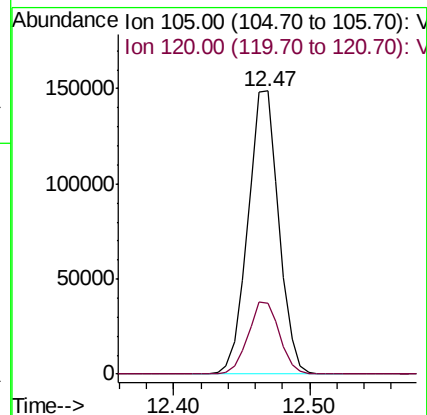
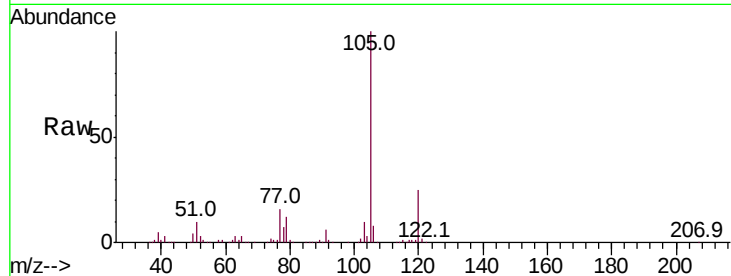
VW0622SBSD01

Tot Ion:105 Resp: 235795

Ion Ratio Lower Upper

105 100

120 25.9 13.0 38.9



#74

N-ethyl acetate

Concen: 18.822 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Tgt Ion: 43 Resp: 50347

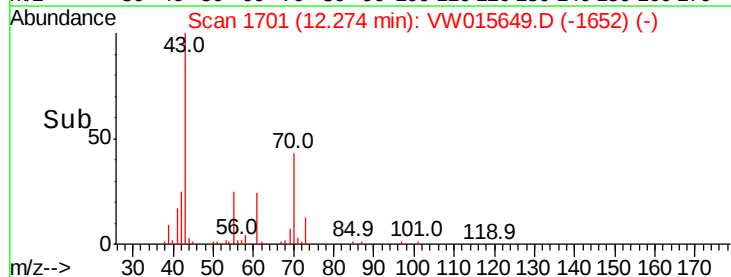
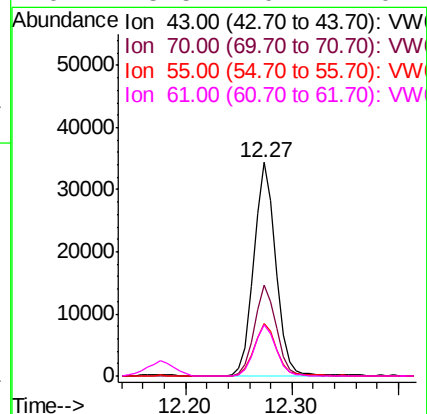
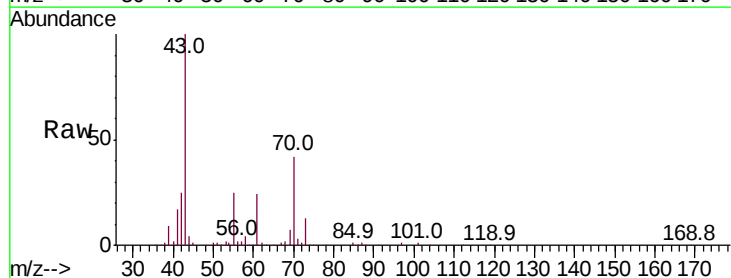
Ion Ratio Lower Upper

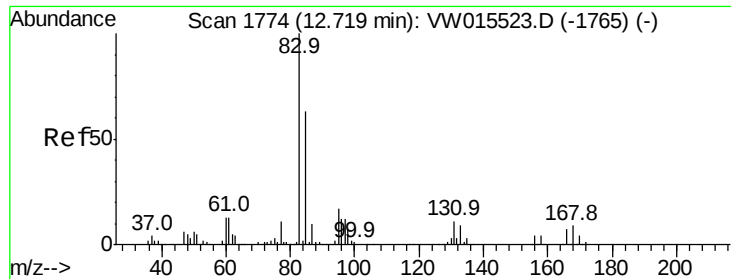
43 100

70 42.1 33.6 50.4

55 25.1 19.1 28.7

61 23.5 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.342 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

ClientSampleId :

VW0622SBSD01

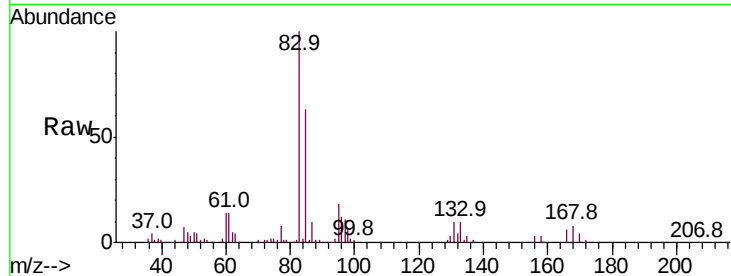
Tot Ion: 83 Resp: 39062

Ion Ratio Lower Upper

83 100

131 10.5 5.3 16.1

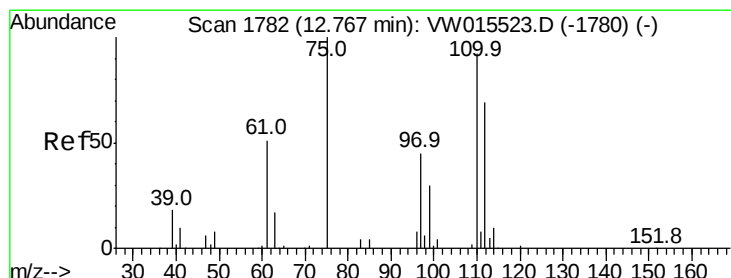
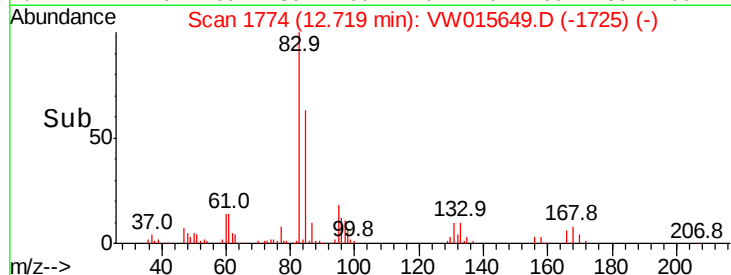
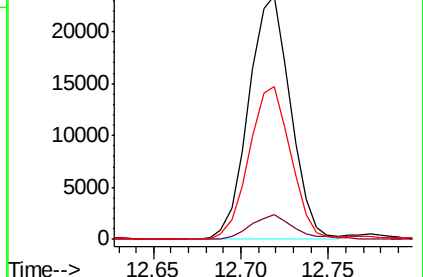
85 62.5 32.0 96.0



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: 36.456 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015649.D

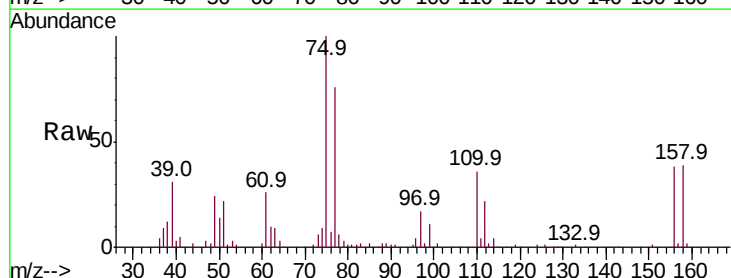
Acq: 22 Jun 2020 15:01

Tgt Ion: 75 Resp: 50108

Ion Ratio Lower Upper

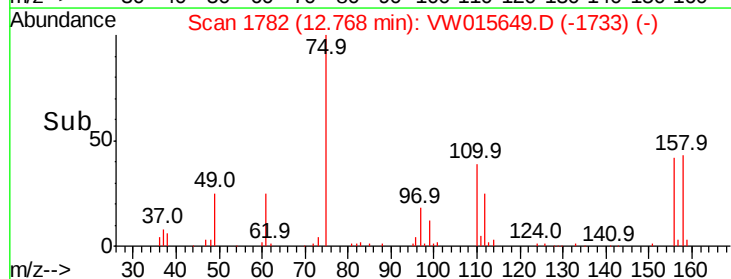
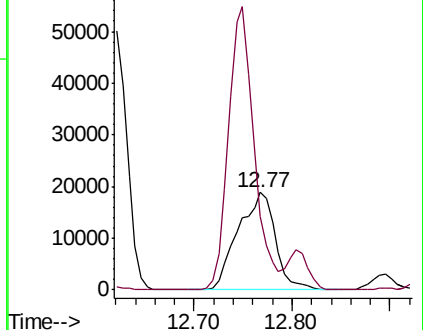
75 100

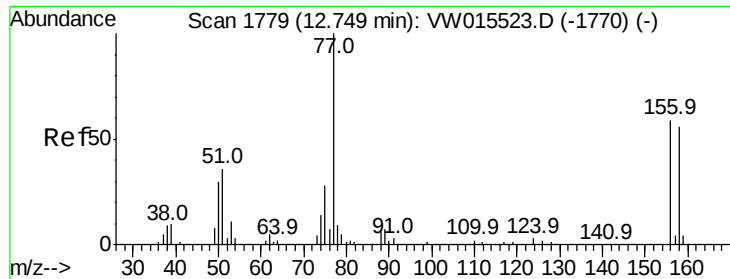
77 199.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 18.597 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

ClientSampleId :

VW0622SBS01

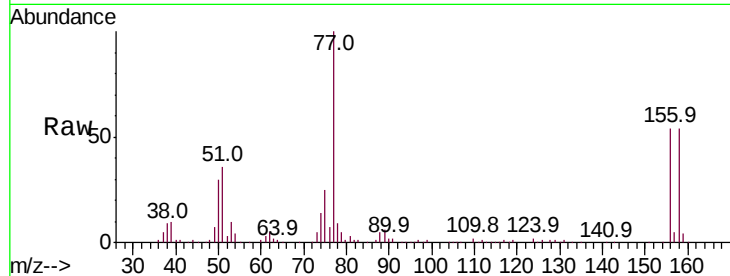
Tot Ion:156 Resp: 50046

Ion Ratio Lower Upper

156 100

77 199.3 97.3 291.8

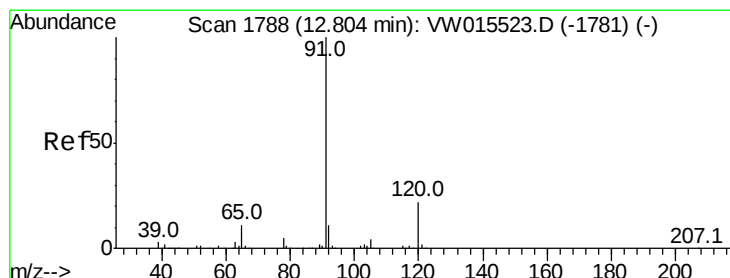
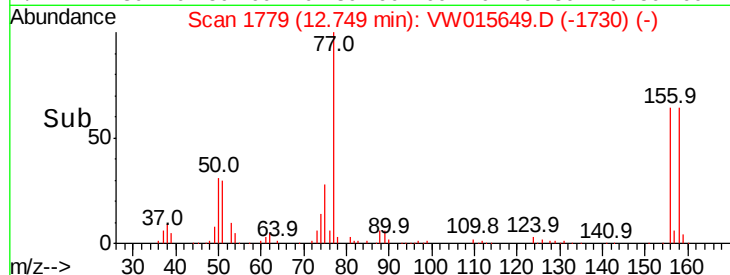
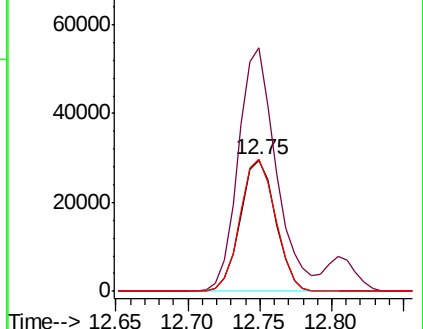
158 100.8 48.5 145.6



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: 19.220 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015649.D

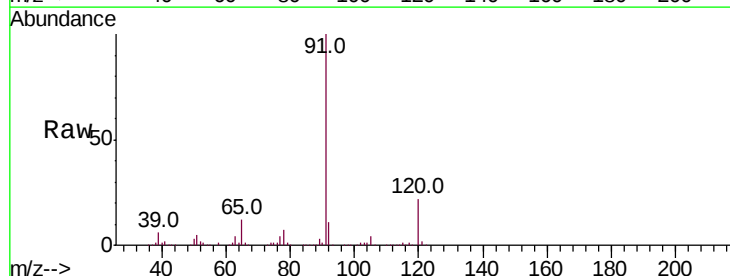
Acq: 22 Jun 2020 15:01

Tgt Ion: 91 Resp: 286169

Ion Ratio Lower Upper

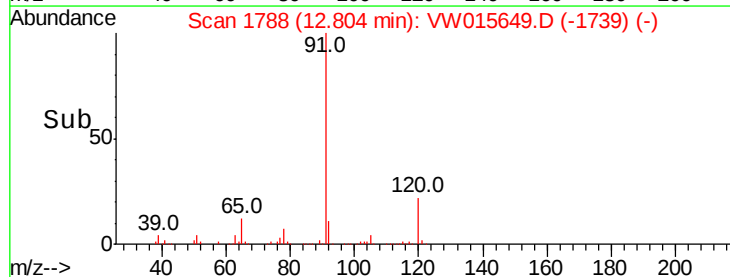
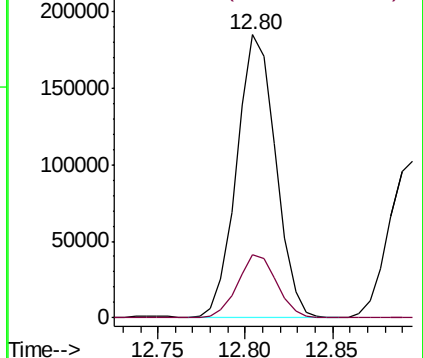
91 100

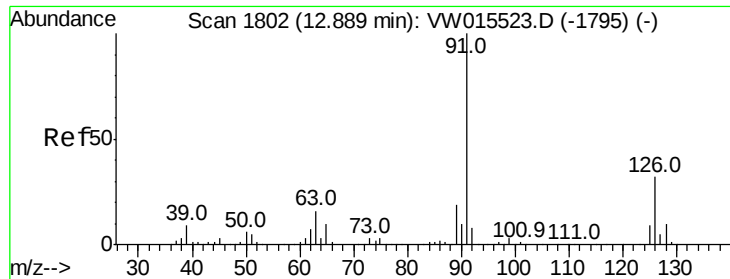
120 22.4 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

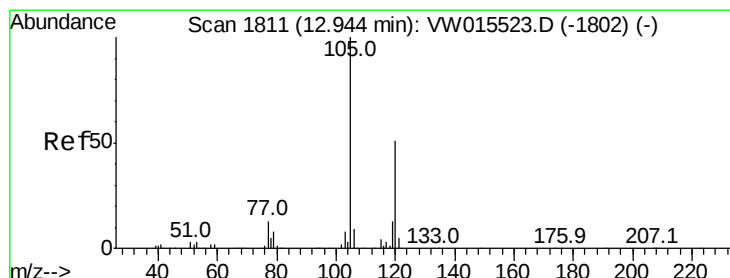
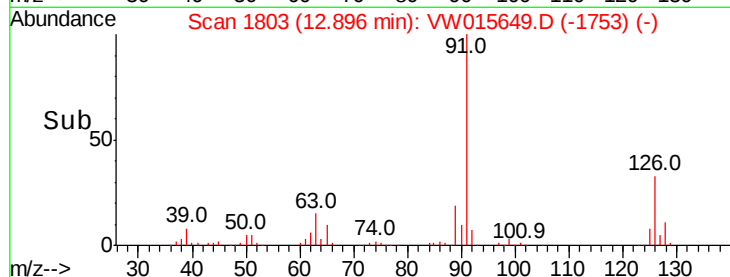
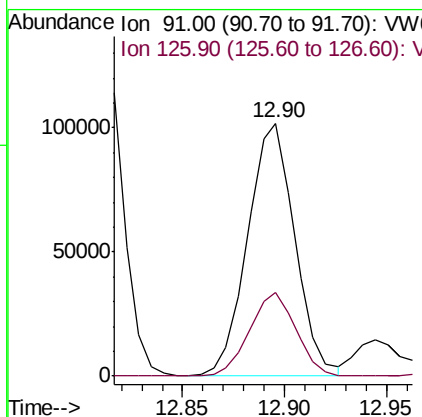
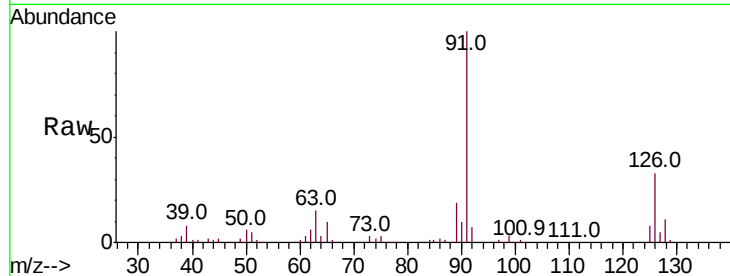




#79
2-Chlorotoluene
Concen: 19.317 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.01 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

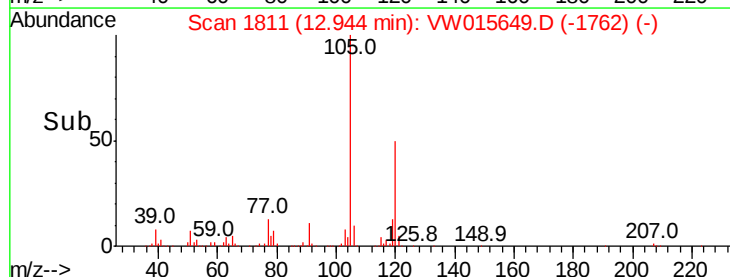
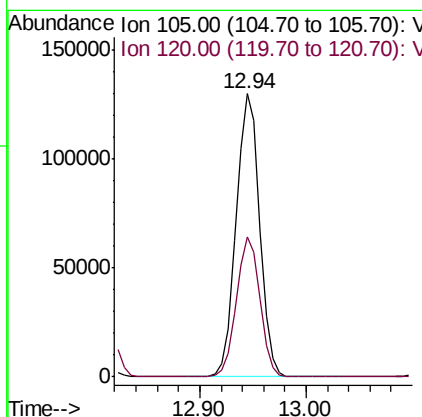
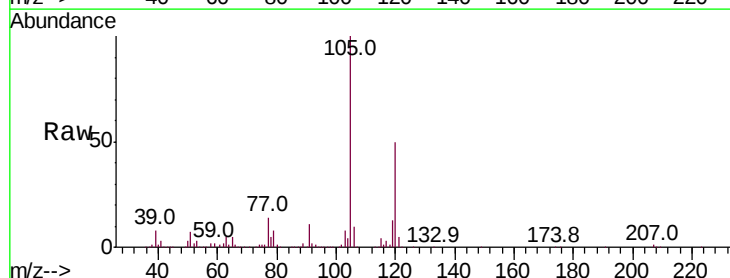
Instrument :
MSVOA_W
ClientSampleId :
VW0622SBSD01

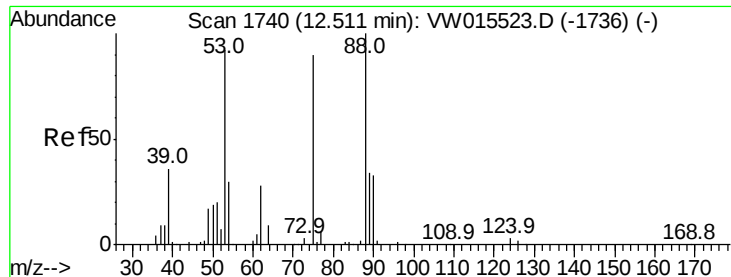
Tot Ion: 91 Resp: 163250
Ion Ratio Lower Upper
91 100
126 32.6 16.2 48.5



#80
1,3,5-Trimethylbenzene
Concen: 19.157 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Tgt Ion:105 Resp: 201187
Ion Ratio Lower Upper
105 100
120 49.5 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 16.989 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

ClientSampleId :

VW0622SBSD01

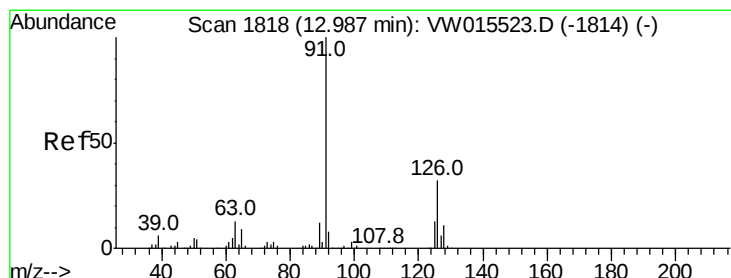
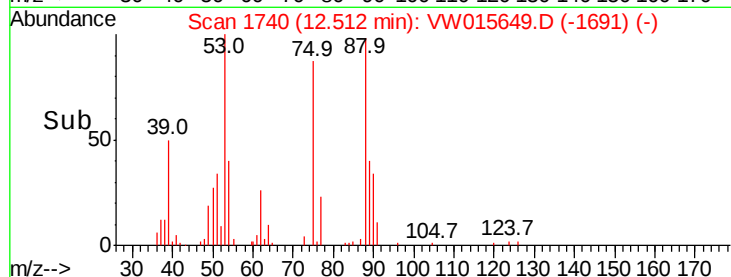
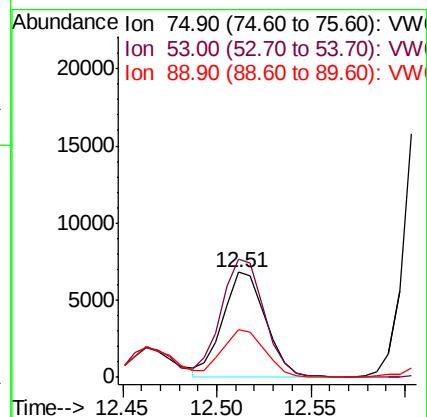
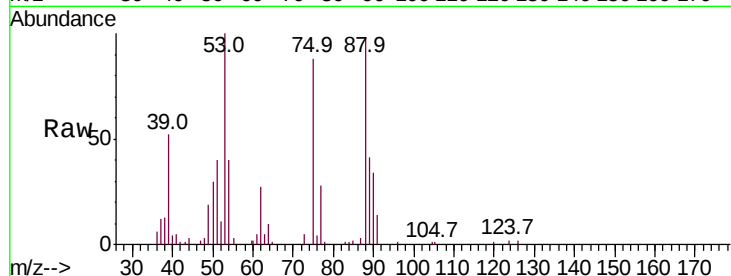
Tot Ion: 75 Resp: 10841

Ion Ratio Lower Upper

75 100

53 113.8 84.0 126.0

89 45.8 36.6 55.0



#82

4-Chlorotoluene

Concen: 19.597 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VW015649.D

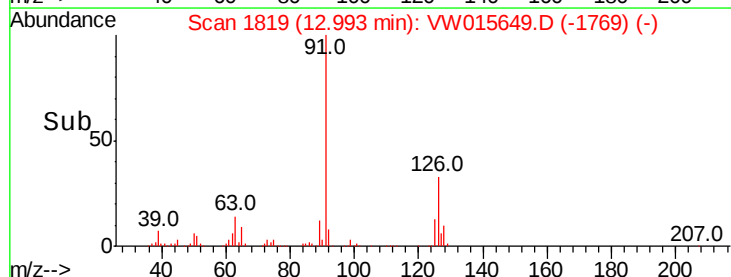
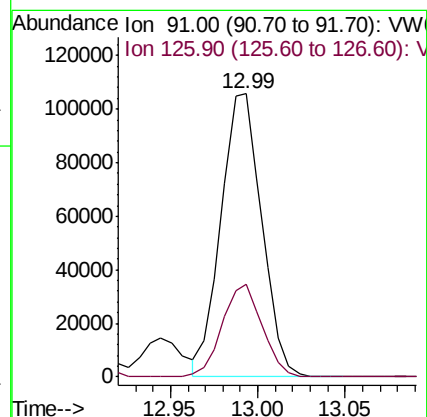
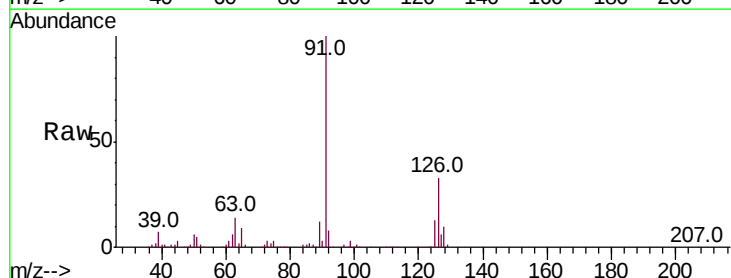
Acq: 22 Jun 2020 15:01

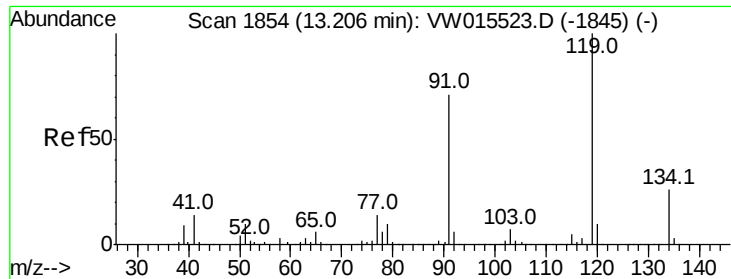
Tgt Ion: 91 Resp: 170991

Ion Ratio Lower Upper

91 100

126 32.2 16.4 49.4





#83

tert-Butylbenzene

Concen: 19.048 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

ClientSampleID :

VW0622SBSD01

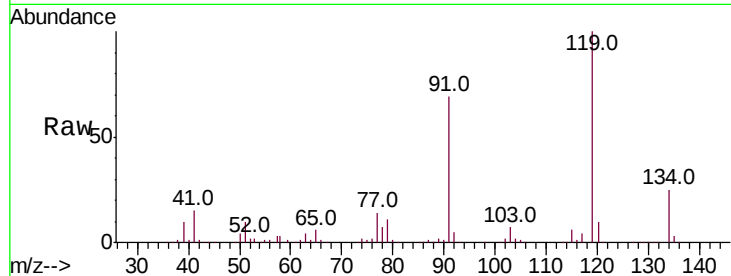
Tot Ion:119 Resp: 170718

Ion Ratio Lower Upper

119 100

91 68.4 34.2 102.5

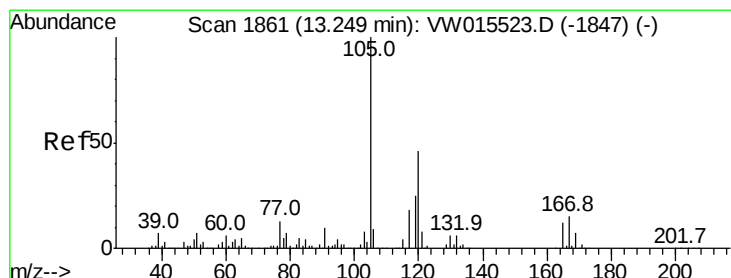
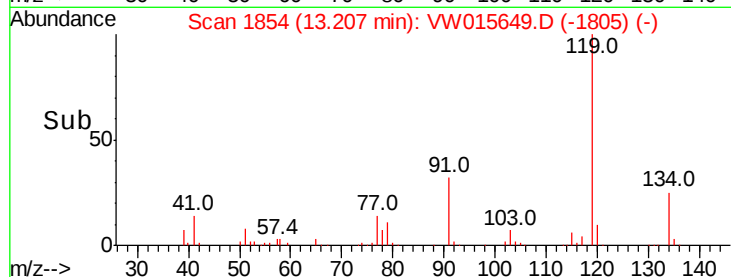
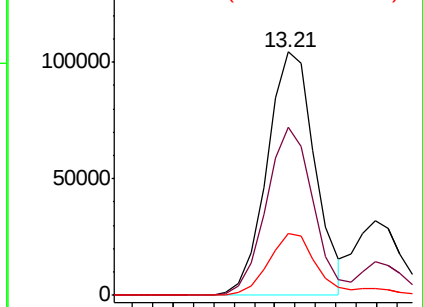
134 24.9 12.7 38.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VV

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 18.907 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VW015649.D

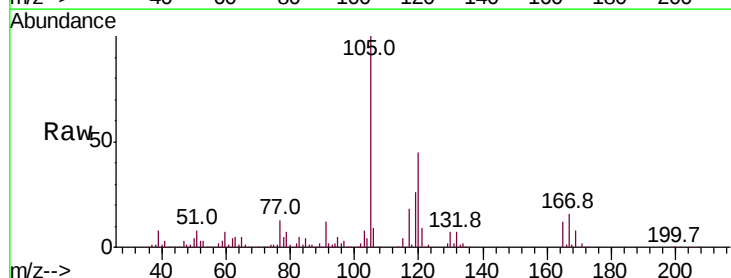
Acq: 22 Jun 2020 15:01

Tgt Ion:105 Resp: 198430

Ion Ratio Lower Upper

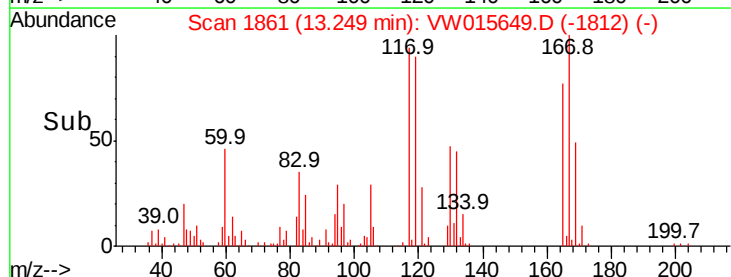
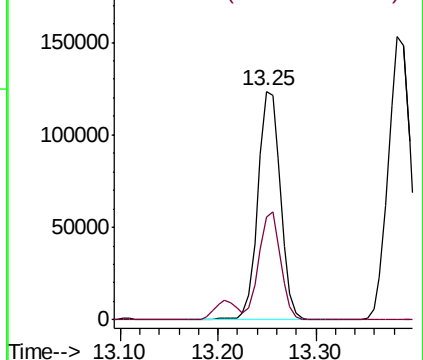
105 100

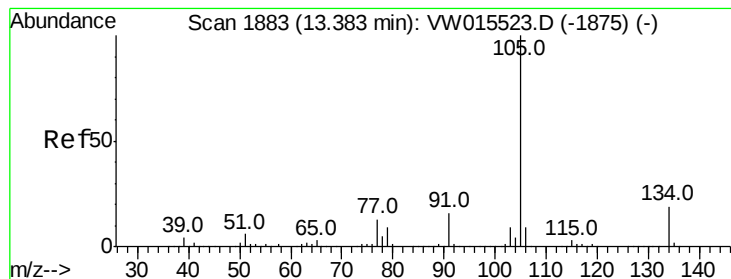
120 45.9 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.220 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

ClientSampleId :

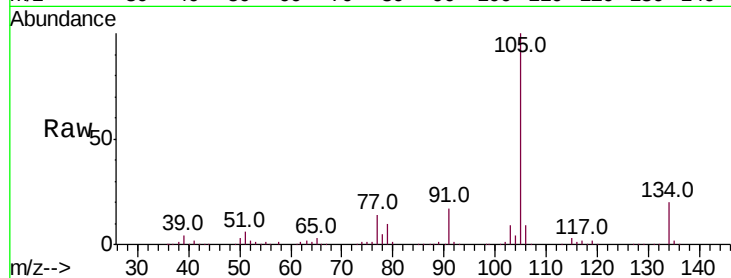
VW0622SBSD01

Tot Ion:105 Resp: 243104

Ion Ratio Lower Upper

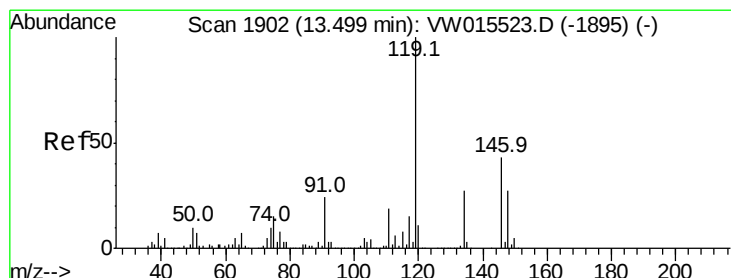
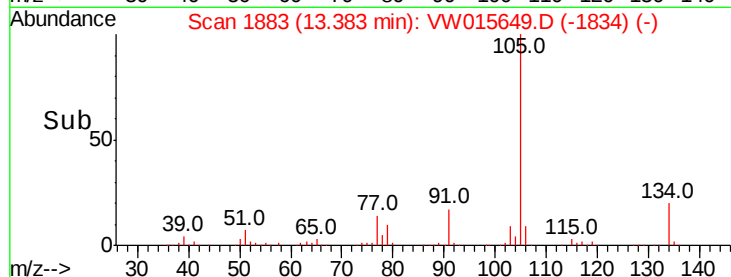
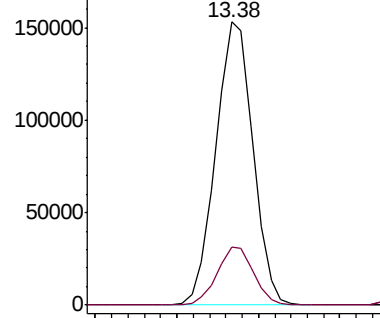
105 100

134 20.2 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.517 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

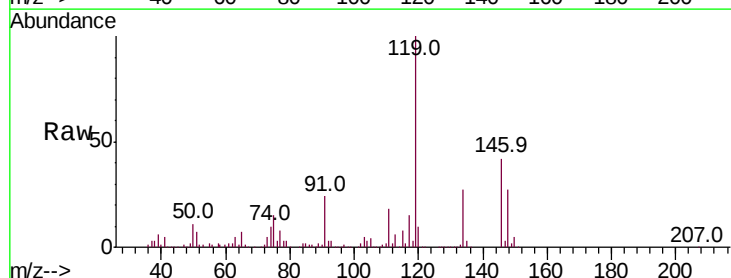
Tgt Ion:119 Resp: 226117

Ion Ratio Lower Upper

119 100

134 26.1 13.2 39.5

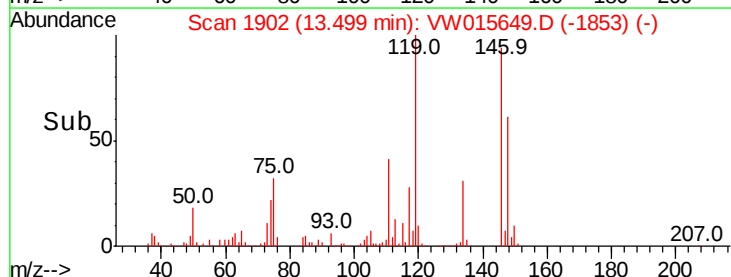
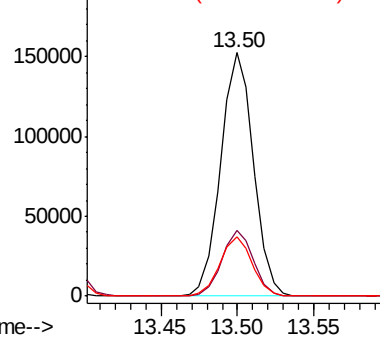
91 24.0 12.0 36.0

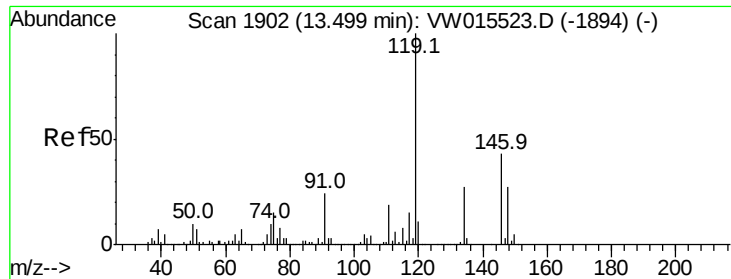


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.833 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

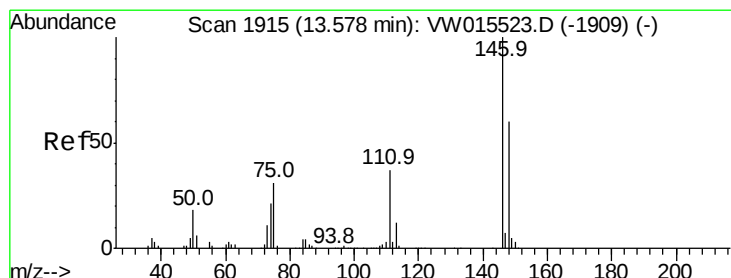
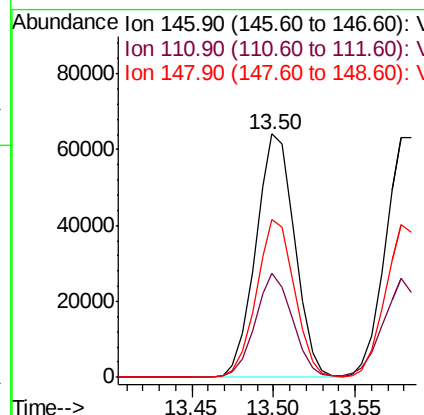
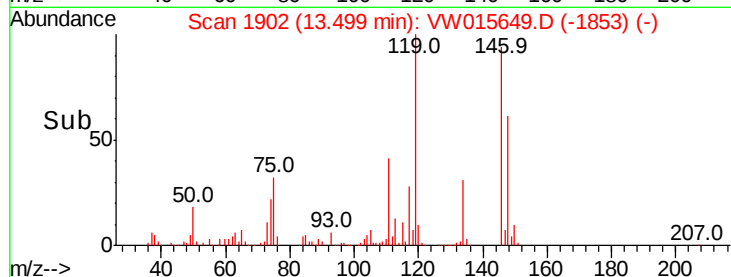
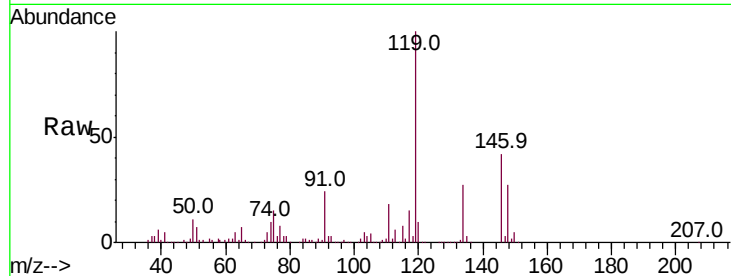
Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW0622SBSD01

Tot Ion:146 Resp: 105881

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.5
148	63.4	31.2	93.6



#88

1,4-Dichlorobenzene

Concen: 19.724 ug/l

RT: 13.58 min Scan# 1916

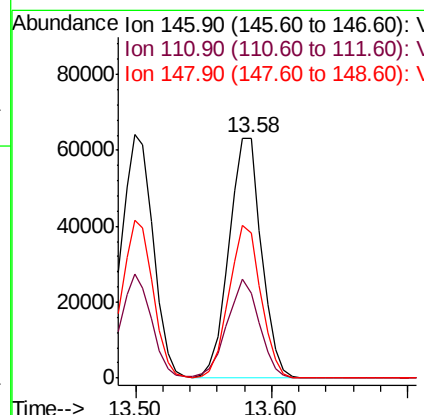
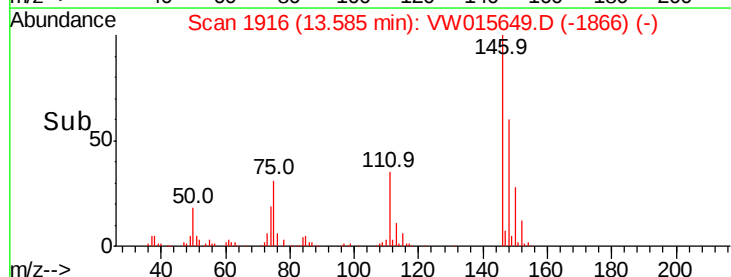
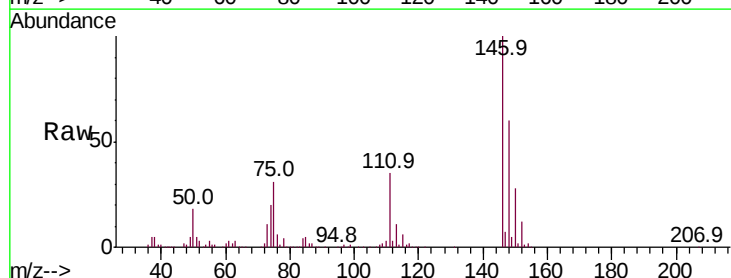
Delta R.T. 0.01 min

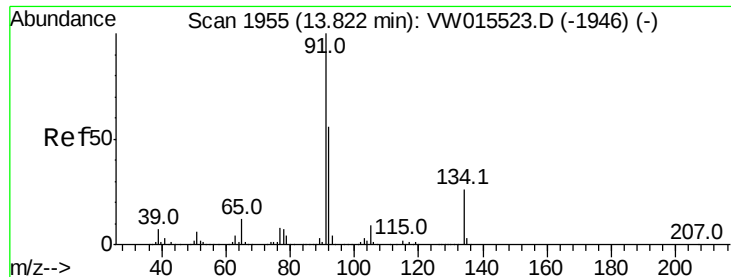
Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Tgt Ion:146 Resp: 104907

Ion	Ratio	Lower	Upper
146	100		
111	41.1	19.6	58.7
148	62.7	30.9	92.7

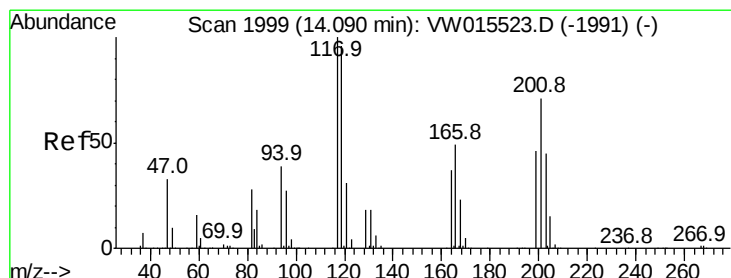
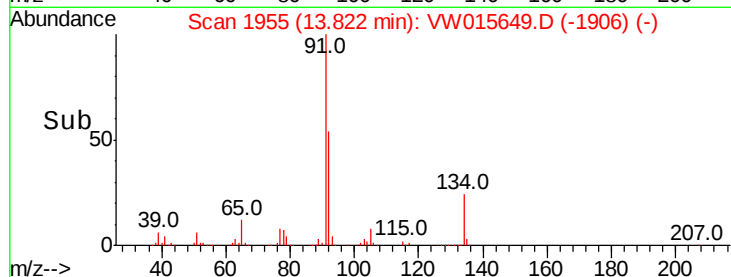
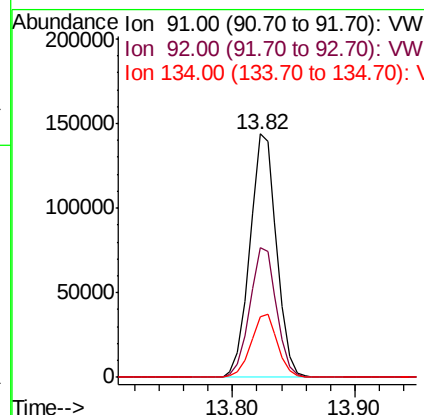
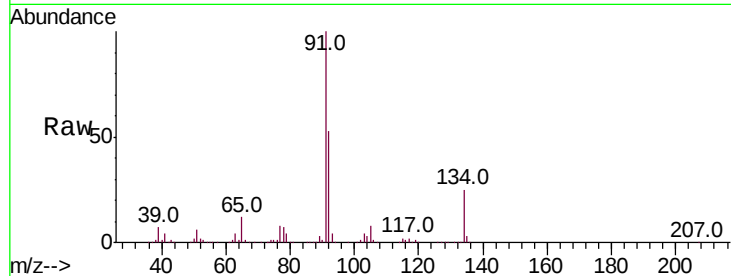




#89
n-Butylbenzene
Concen: 19.504 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

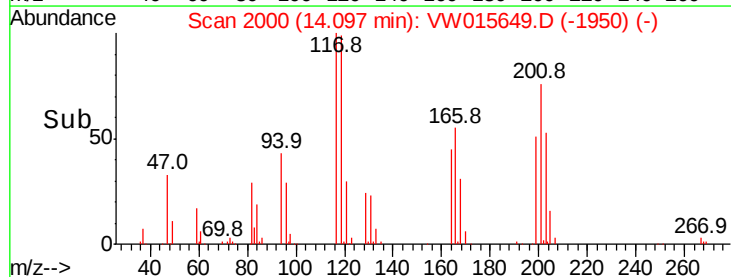
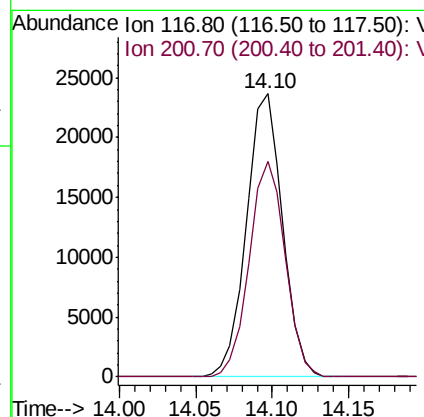
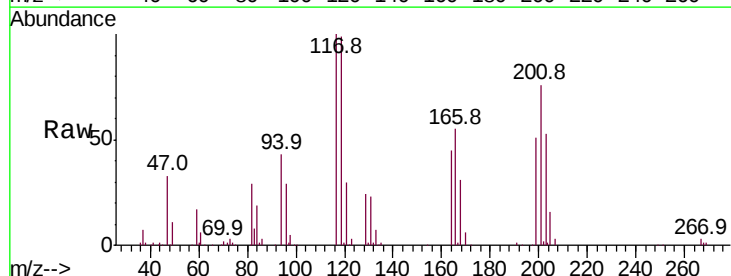
Instrument :
MSVOA_W
ClientSampleId :
VW0622SBS01

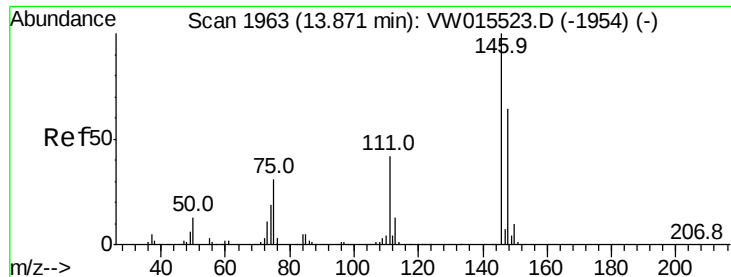
Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.3	81.9
134	25.8	13.1	39.1



#90
Hexachloroethane
Concen: 18.202 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.01 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.9	38.5	115.3

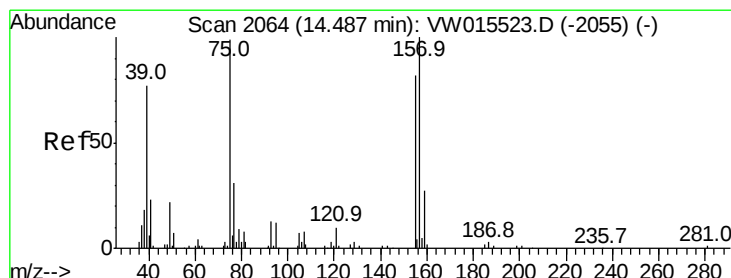
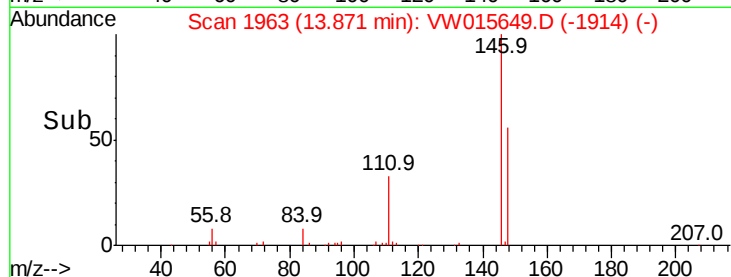
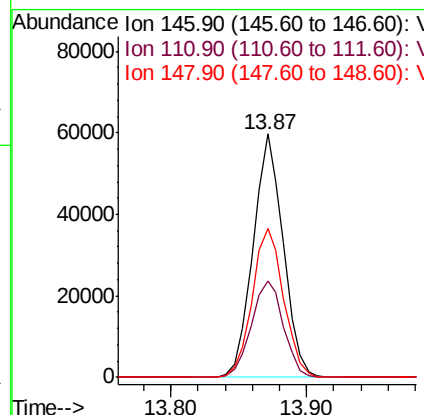
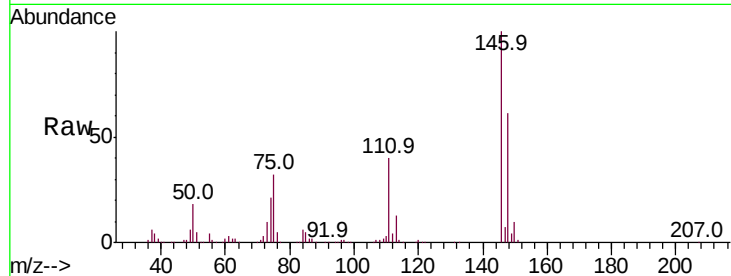




#91
 1,2-Dichlorobenzene
 Concen: 19.854 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015649.D
 Acq: 22 Jun 2020 15:01

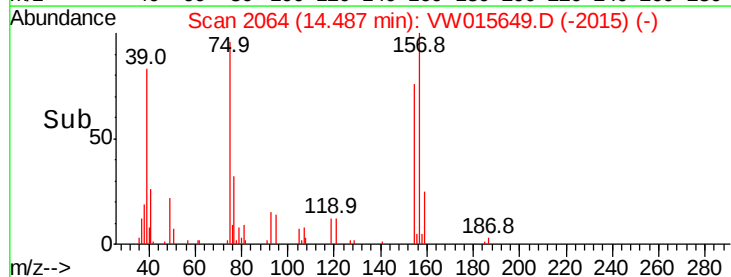
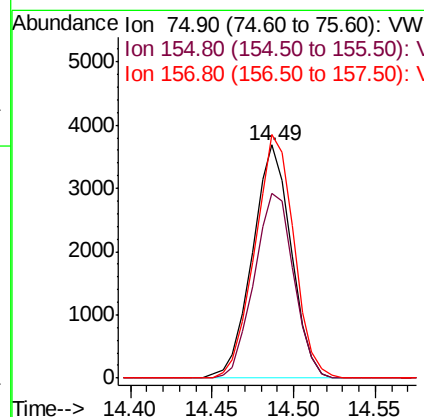
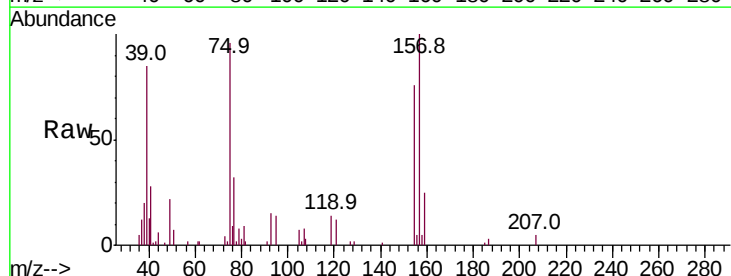
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0622SBSD01

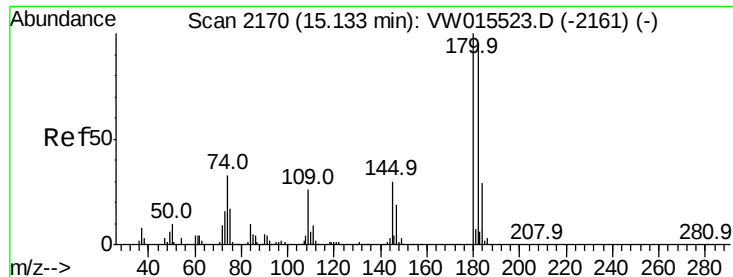
Tot Ion:146 Resp: 92544
 Ion Ratio Lower Upper
 146 100
 111 42.2 20.9 62.8
 148 63.9 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.465 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015649.D
 Acq: 22 Jun 2020 15:01

Tgt Ion: 75 Resp: 6113
 Ion Ratio Lower Upper
 75 100
 155 80.7 40.4 121.1
 157 104.6 50.5 151.6

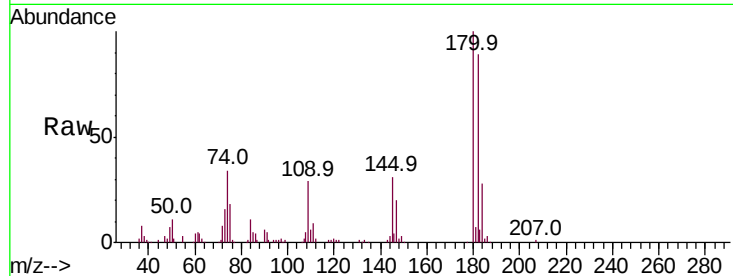




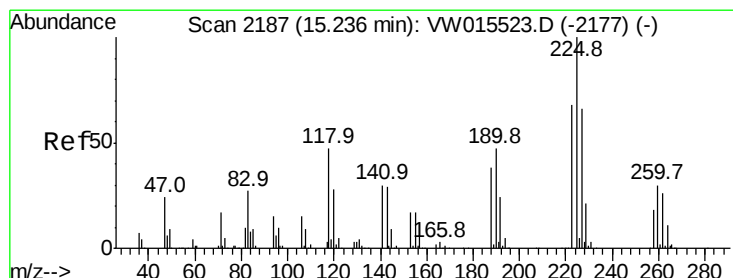
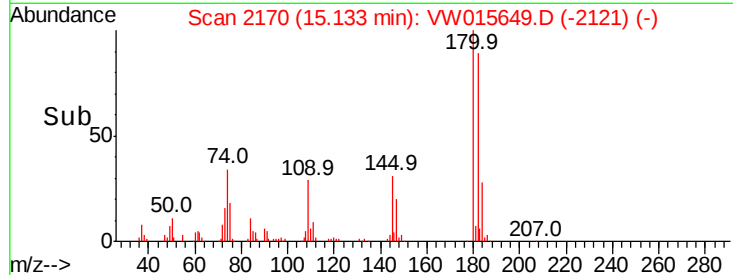
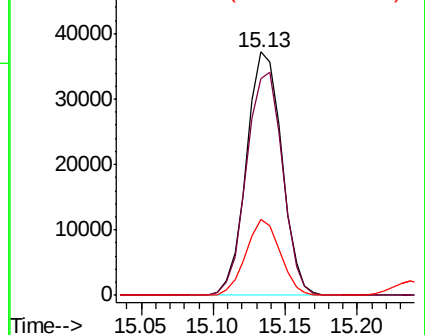
#93
 1,2,4-Trichlorobenzene
 Concen: 19.700 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015649.D
 Acq: 22 Jun 2020 15:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0622SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.7	143.1
145	30.2	15.4	46.2

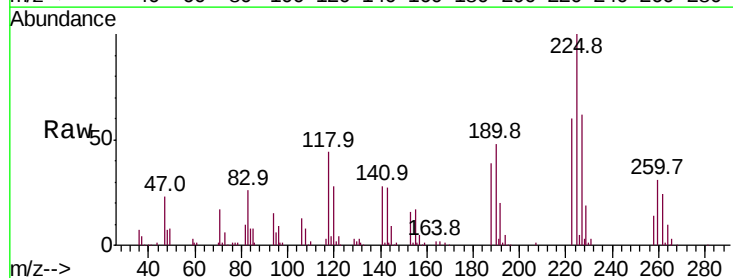


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

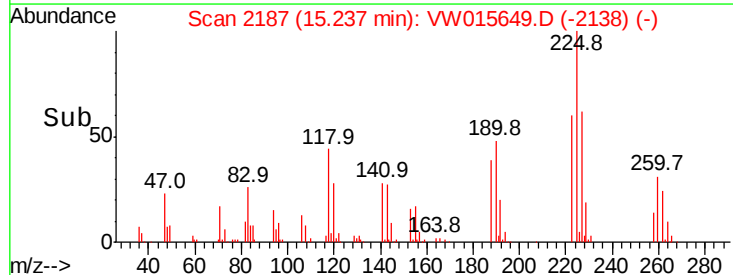
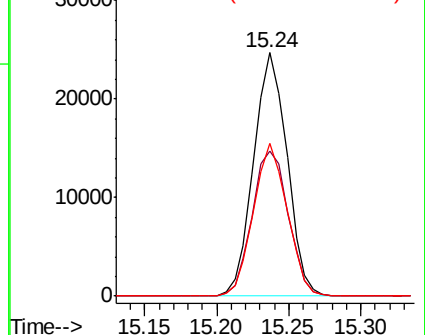


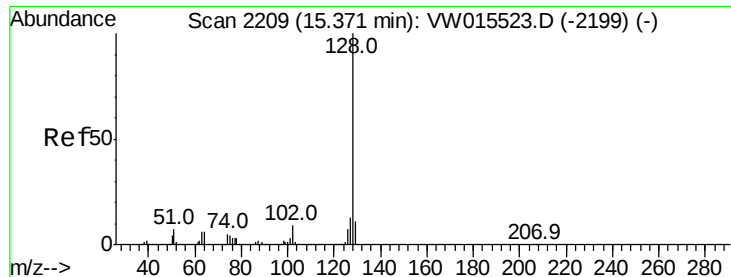
#94
 Hexachlorobutadiene
 Concen: 20.266 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015649.D
 Acq: 22 Jun 2020 15:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.7	31.8	95.4
227	63.6	32.6	97.8



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: 19.200 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

ClientSampleId :

VW0622SBS01

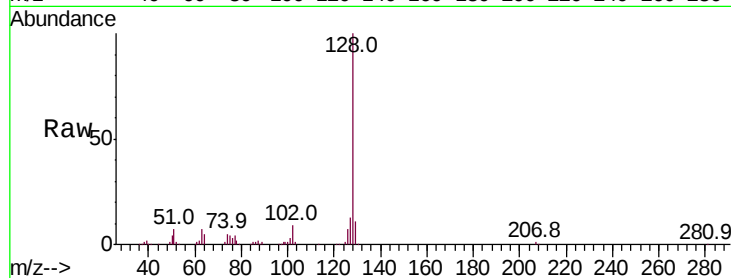
Tot Ion:128 Resp: 103976

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

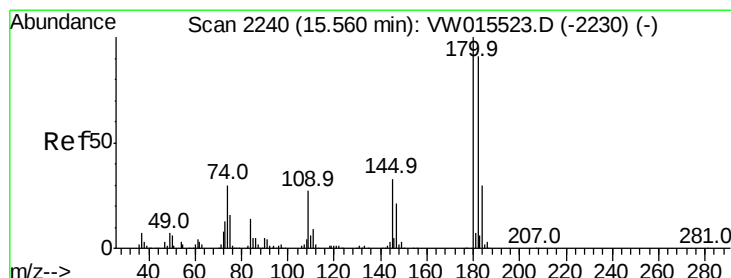
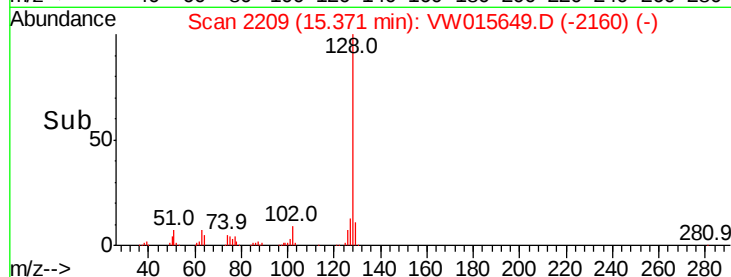
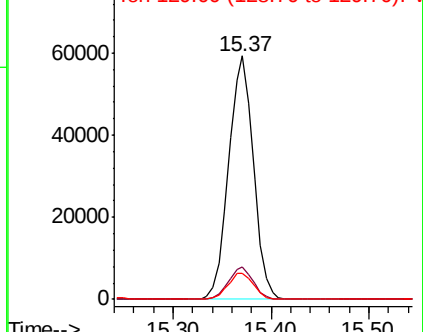
129 11.1 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.536 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

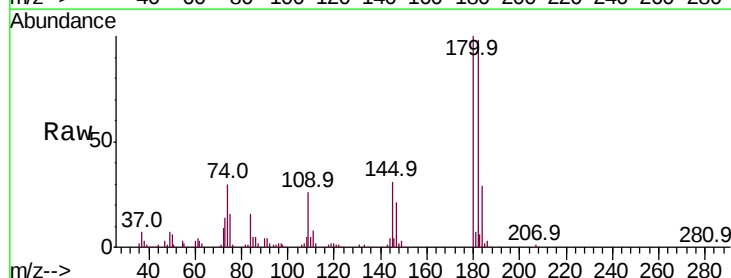
Tgt Ion:180 Resp: 52693

Ion Ratio Lower Upper

180 100

182 98.5 47.1 141.4

145 33.4 16.3 48.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

