

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060220\
 Data File : VW015522.D
 Acq On : 02 Jun 2020 12:13
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 02 13:21:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060220S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 02 12:43:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	226375	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	357304	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	323927	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	163139	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	48277	19.45	ug/l	0.00
Spiked Amount						
			Recovery	=	38.90%	
35) Dibromofluoromethane	7.88	113	42547	20.67	ug/l	0.00
Spiked Amount						
			Recovery	=	41.34%	
50) Toluene-d8	10.32	98	173442	20.52	ug/l	0.00
Spiked Amount						
			Recovery	=	41.04%	
62) 4-Bromofluorobenzene	12.62	95	62216	19.93	ug/l	0.00
Spiked Amount						
			Recovery	=	39.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	24626	18.769	ug/l	94
3) Chloromethane	2.21	50	30517	18.712	ug/l	98
4) Vinyl Chloride	2.37	62	51438	20.739	ug/l	99
5) Bromomethane	2.78	94	36009	18.577	ug/l	99
6) Chloroethane	2.92	64	32979	19.311	ug/l	100
7) Trichlorofluoromethane	3.26	101	36304	19.817	ug/l	98
8) Diethyl Ether	3.68	74	22470	19.468	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	46346	21.694	ug/l	98
10) Methyl Iodide	4.27	142	67247	20.819	ug/l	99
11) Tert butyl alcohol	5.18	59	17962	118.654	ug/l #	87
12) 1,1-Dichloroethene	4.04	96	45454	20.625	ug/l	99
13) Acrolein	3.89	56	15880	89.374	ug/l	97
14) Allyl chloride	4.67	41	76563	19.848	ug/l	99
15) Acrylonitrile	5.37	53	45681	96.412	ug/l	100
16) Acetone	4.12	43	44280	102.496	ug/l	96
17) Carbon Disulfide	4.38	76	136181	20.246	ug/l	100
18) Methyl Acetate	4.67	43	21412	20.259	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	69804	19.524	ug/l	98
20) Methylene Chloride	4.92	84	50361	19.677	ug/l	100
21) trans-1,2-Dichloroethene	5.43	96	51364	20.478	ug/l	99
22) Diisopropyl ether	6.32	45	145763	19.347	ug/l	99
23) Vinyl Acetate	6.26	43	424302	92.178	ug/l	97
24) 1,1-Dichloroethane	6.21	63	92128	20.358	ug/l	99
25) 2-Butanone	7.18	43	61867	97.618	ug/l	97
26) 2,2-Dichloropropane	7.16	77	63960	21.247	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	55782	20.420	ug/l	98
28) Bromochloromethane	7.51	49	34231	19.049	ug/l	100
29) Tetrahydrofuran	7.54	42	38197	94.309	ug/l	98
30) Chloroform	7.68	83	92713	20.572	ug/l	99
31) Cyclohexane	7.96	56	88973	19.584	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	80265	21.210	ug/l	99
36) 1,1-Dichloropropene	8.08	75	76598	21.601	ug/l	98
37) Ethyl Acetate	7.26	43	28620	20.495	ug/l	99
38) Carbon Tetrachloride	8.07	117	74697	22.267	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	93414	20.802	ug/l	99
40) Benzene	8.32	78	205171	21.127	ug/l	98
41) Methacrylonitrile	7.49	41	16599	18.638	ug/l	97
42) 1,2-Dichloroethane	8.40	62	62672	21.066	ug/l	99
43) Isopropyl Acetate	8.43	43	57049	19.411	ug/l	99
44) Trichloroethene	9.10	130	54138	21.477	ug/l	94
45) 1,2-Dichloropropane	9.37	63	49784	20.741	ug/l	99
46) Dibromomethane	9.46	93	25014	20.699	ug/l	99
47) Bromodichloromethane	9.65	83	68890	21.100	ug/l	99
48) Methyl methacrylate	9.44	41	25468	18.845	ug/l	98
49) 1,4-Dioxane	9.45	88	6347	405.733	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	134119	97.245	ug/l	98
52) Toluene	10.39	92	132654	21.067	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	66089	19.817	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	78596	20.121	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	35321	20.715	ug/l	99
56) Ethyl methacrylate	10.65	69	43810	18.811	ug/l	98
57) 1,3-Dichloropropane	10.93	76	62033	20.322	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	108881	98.211	ug/l	100
59) 2-Hexanone	10.97	43	91458	96.922	ug/l	99
60) Dibromochloromethane	11.13	129	42754	20.806	ug/l	98
61) 1,2-Dibromoethane	11.24	107	33205	20.544	ug/l	99
64) Tetrachloroethene	10.86	164	44801	22.273	ug/l	92
65) Chlorobenzene	11.66	112	138342	21.361	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	48719	21.173	ug/l	99
67) Ethyl Benzene	11.73	91	260195	21.035	ug/l	100
68) m/p-Xylenes	11.84	106	196687	42.712	ug/l	99
69) o-Xylene	12.17	106	88800	20.552	ug/l	98
70) Styrene	12.18	104	152055	20.442	ug/l	99
71) Bromoform	12.35	173	22822	20.253	ug/l #	99
73) Isopropylbenzene	12.46	105	254597	20.625	ug/l	100
74) N-amyl acetate	12.27	43	53485	18.289	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	38624	19.805	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	51873	38.619	ug/l #	100
77) Bromobenzene	12.75	156	54254	20.595	ug/l	98
78) n-propylbenzene	12.80	91	303901	20.548	ug/l	99
79) 2-Chlorotoluene	12.89	91	172076	20.618	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	216359	20.863	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12436	17.999	ug/l	98
82) 4-Chlorotoluene	12.99	91	179723	20.390	ug/l	100
83) tert-Butylbenzene	13.21	119	184283	20.827	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	216113	20.818	ug/l	99
85) sec-Butylbenzene	13.38	105	263754	21.157	ug/l	99
86) p-Isopropyltoluene	13.50	119	241517	21.243	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	108699	20.869	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	107968	20.845	ug/l	95
89) n-Butylbenzene	13.82	91	230690	20.835	ug/l	100
90) Hexachloroethane	14.10	117	43840	20.884	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	95363	20.946	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6737	19.772	ug/l	98

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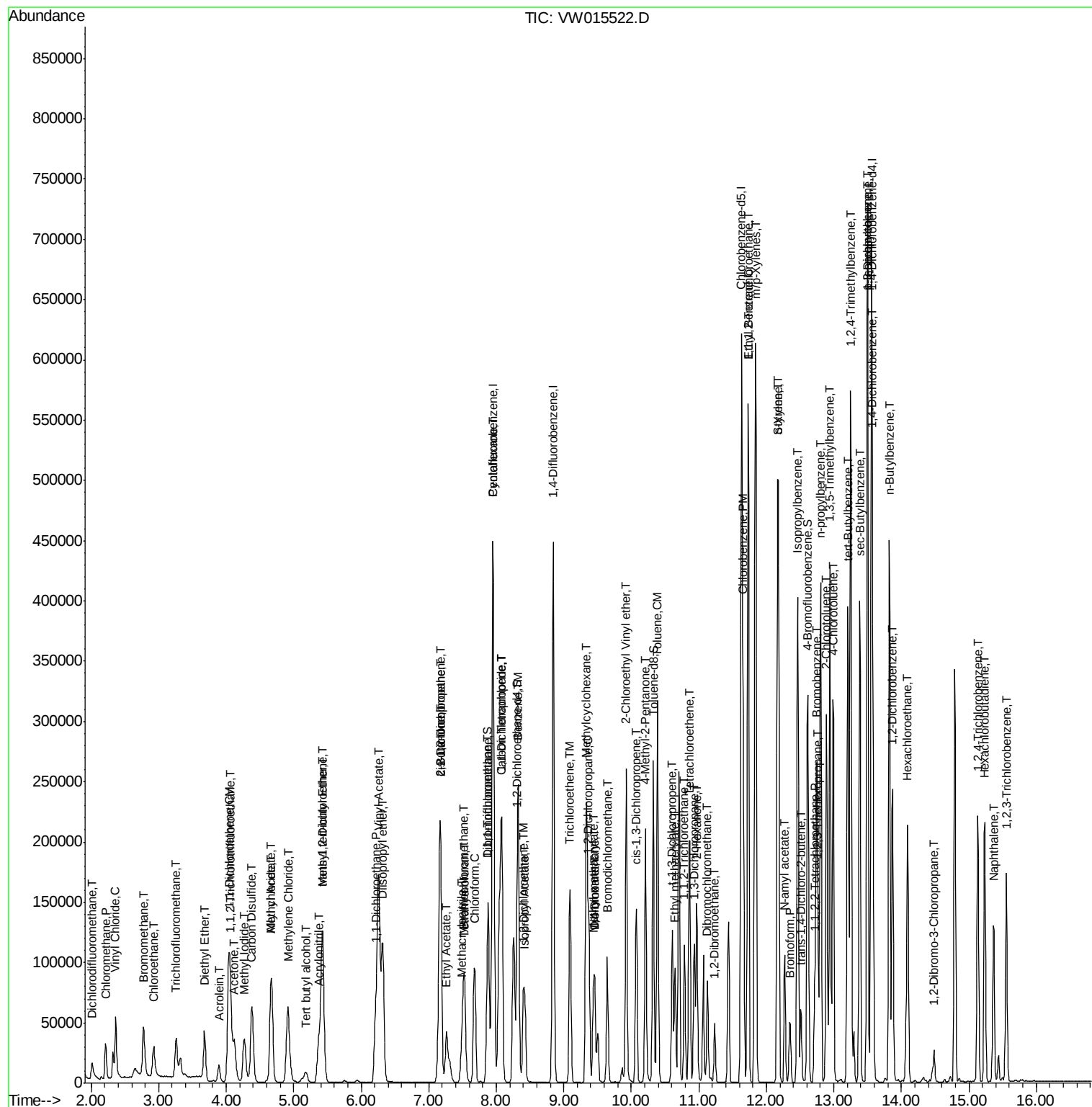
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	67619	22.116	ug/l	98
94) Hexachlorobutadiene	15.24	225	40335	22.278	ug/l	99
95) Naphthalene	15.36	128	110436	20.128	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	56030	21.281	ug/l	99

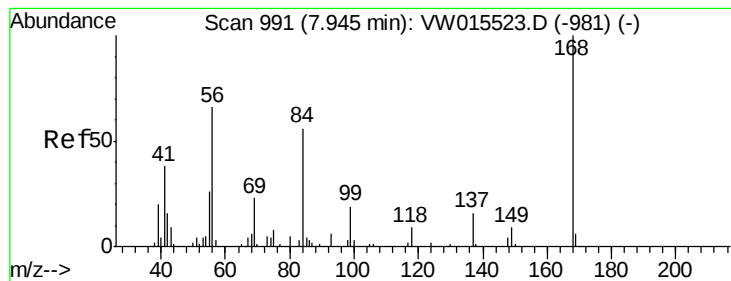
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_W
ClientSampled :

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Instrument :

MSVOA_W

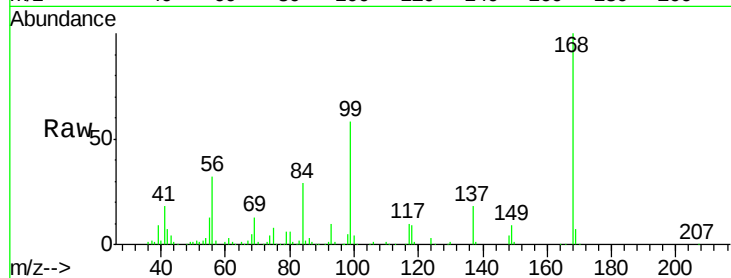
ClientSampled :

Tot Ion:168 Resp: 226375

Ion Ratio Lower Upper

168 100

99 58.3 48.6 73.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

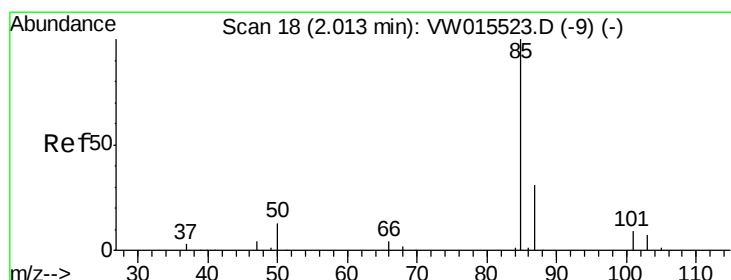
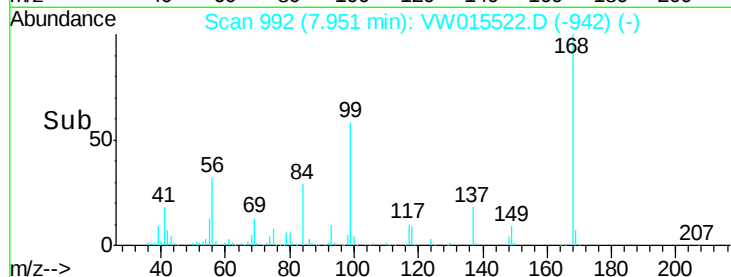
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.769 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015522.D

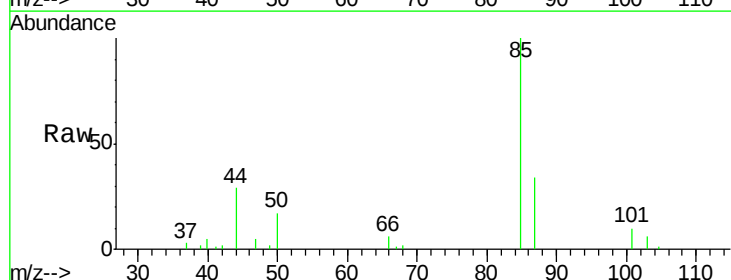
Acq: 02 Jun 2020 12:13

Tgt Ion: 85 Resp: 24626

Ion Ratio Lower Upper

85 100

87 34.4 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

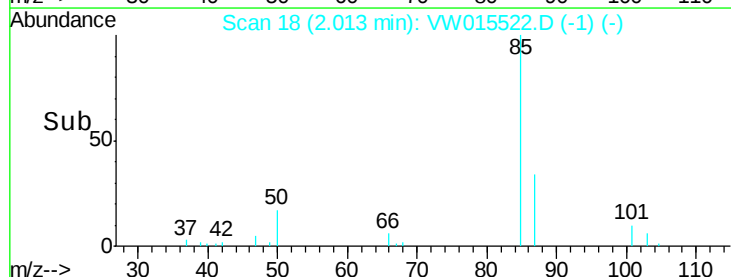
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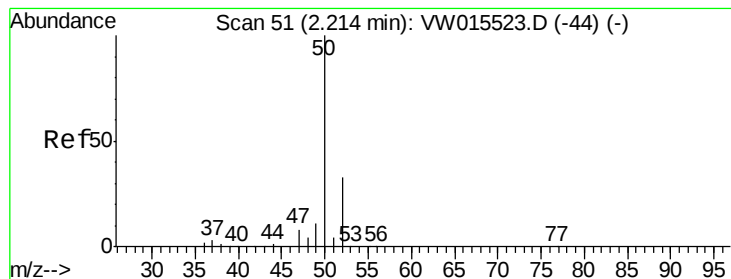
4000

2000

0

Time-->





#3

Chloromethane

Concen: 18.712 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Instrument :

MSVOA_W

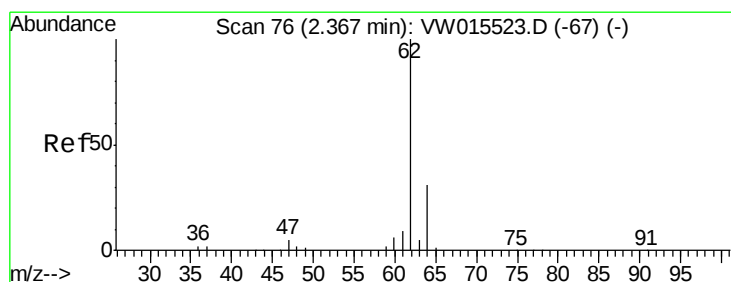
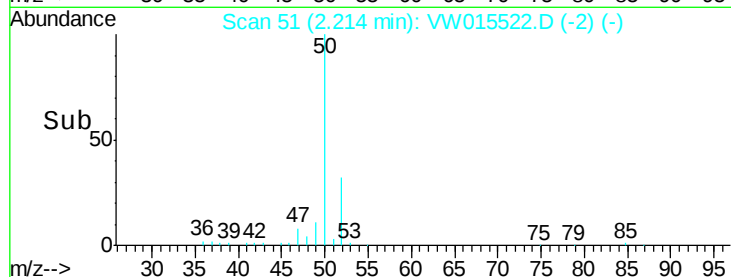
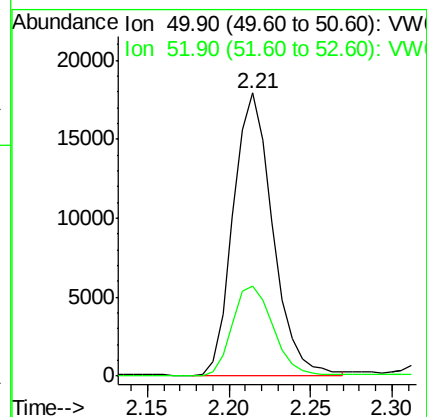
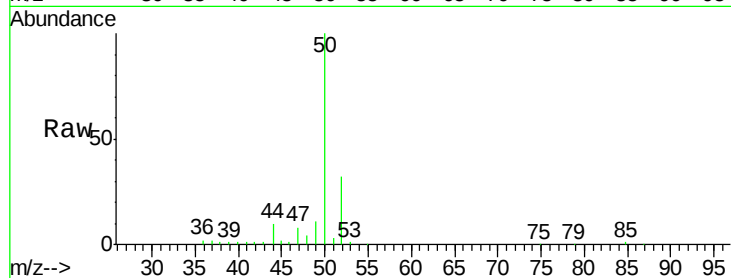
ClientSampleId :

Tot Ion: 50 Resp: 30517

Ion Ratio Lower Upper

50 100

52 31.6 26.0 39.0



#4

Vinyl Chloride

Concen: 20.739 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015522.D

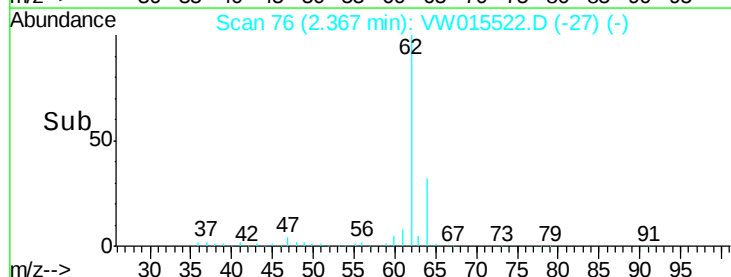
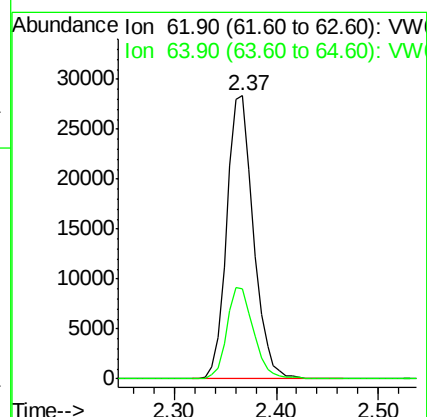
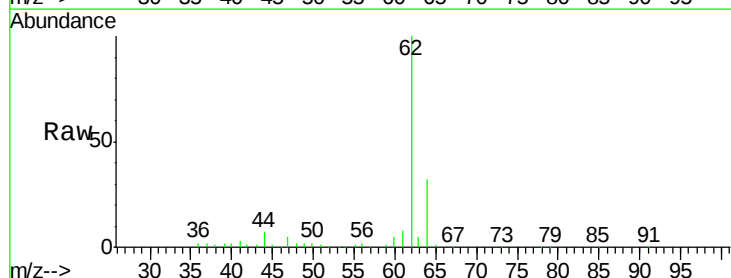
Acq: 02 Jun 2020 12:13

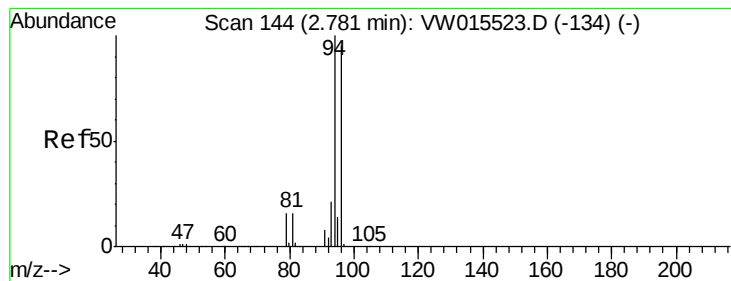
Tgt Ion: 62 Resp: 51438

Ion Ratio Lower Upper

62 100

64 32.0 25.0 37.4





#5

Bromomethane

Concen: 18.577 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Instrument :

MSVOA_W

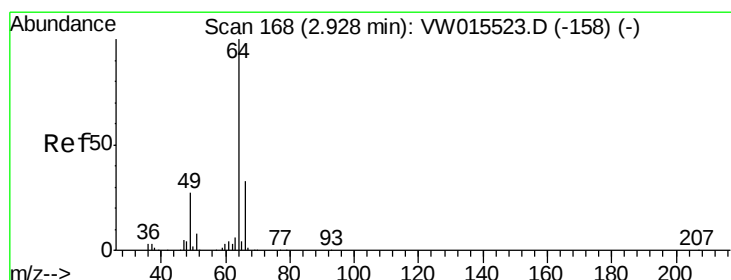
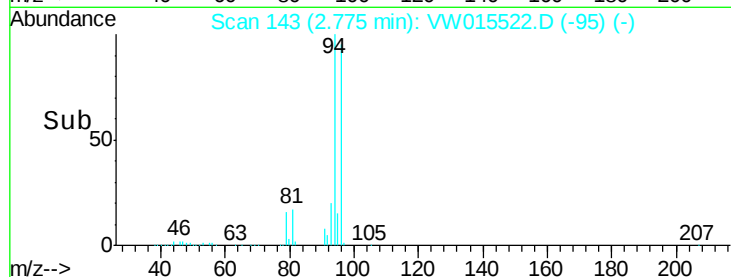
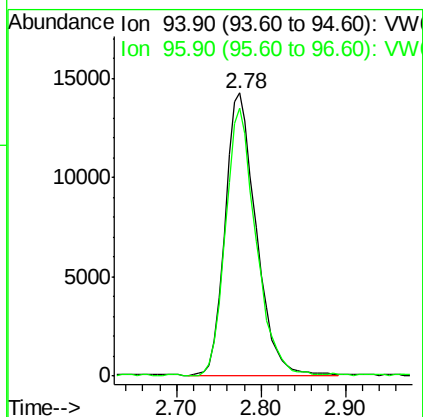
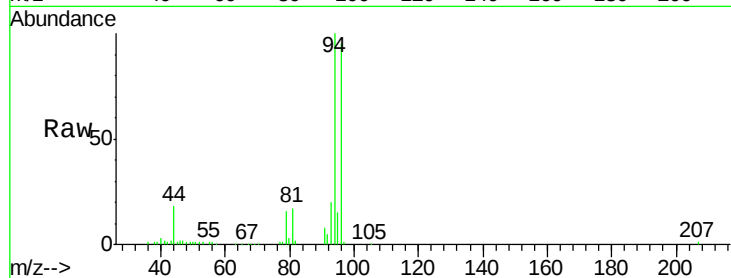
ClientSampleId :

Tot Ion: 94 Resp: 36009

Ion Ratio Lower Upper

94 100

96 94.2 76.0 114.0



#6

Chloroethane

Concen: 19.311 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW015522.D

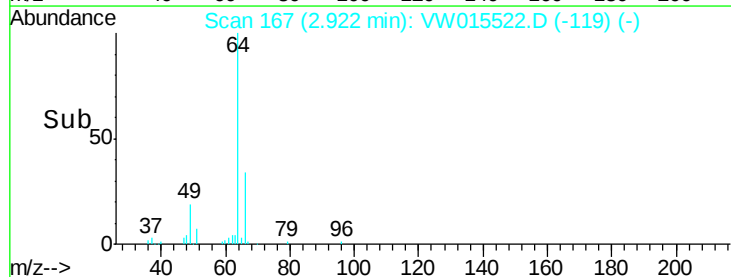
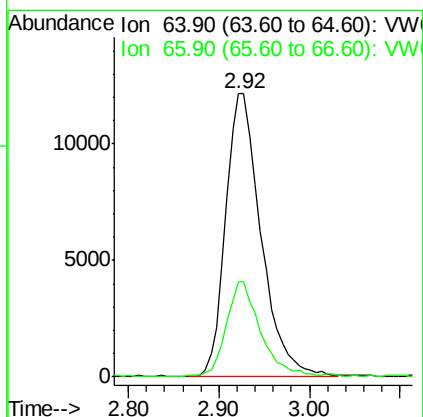
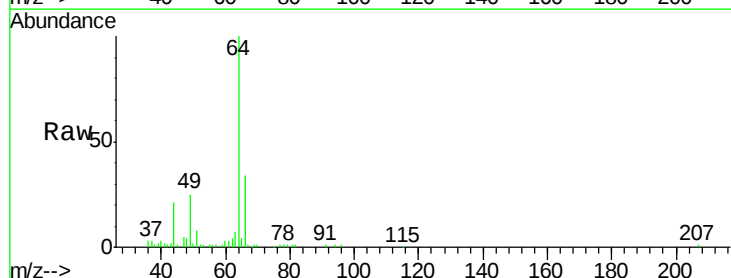
Acq: 02 Jun 2020 12:13

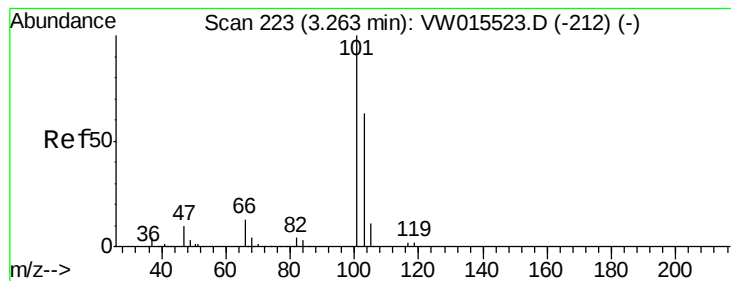
Tgt Ion: 64 Resp: 32979

Ion Ratio Lower Upper

64 100

66 33.3 26.8 40.2



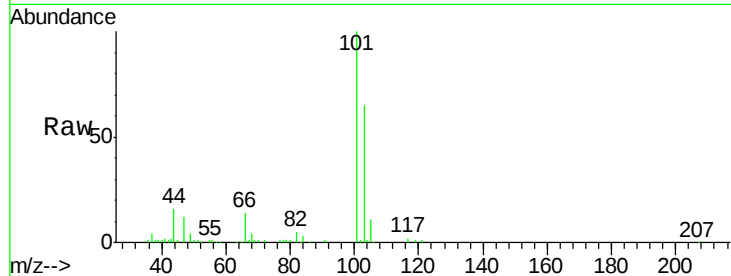


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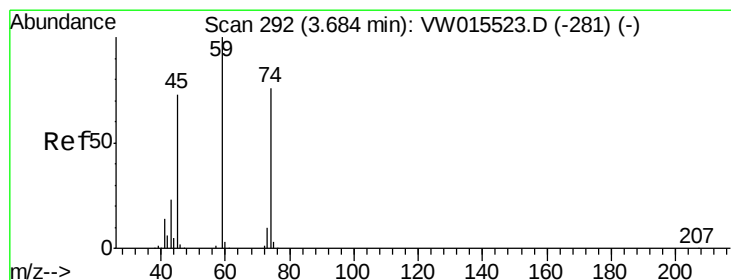
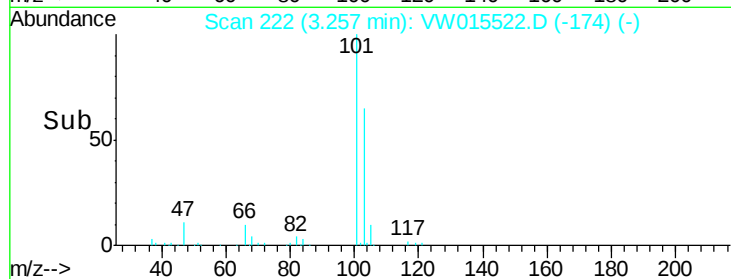
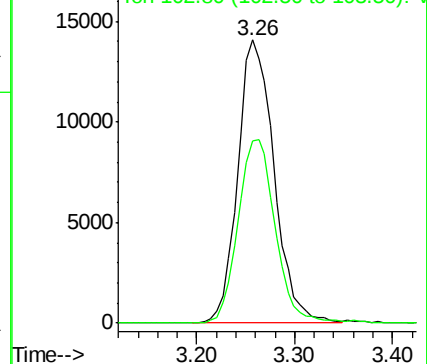
Trichlorofluoromethane
 Concen: 19.817 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW015522.D
 Acq: 02 Jun 2020 12:13

Instrument :
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Tot Ion:101 Resp: 36304
 Ion Ratio Lower Upper
 101 100
 103 64.6 50.2 75.2



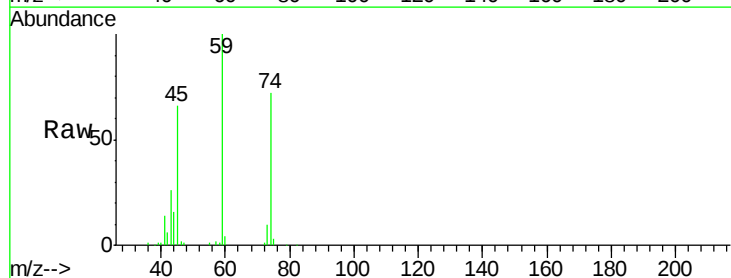
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



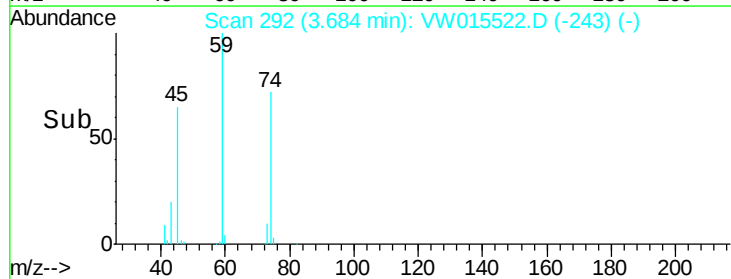
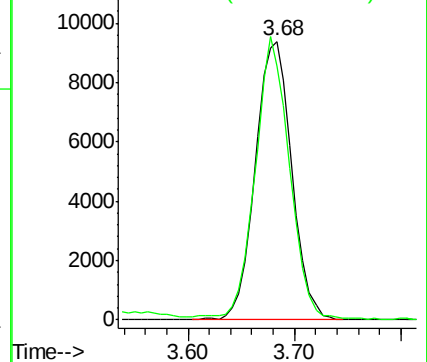
#8

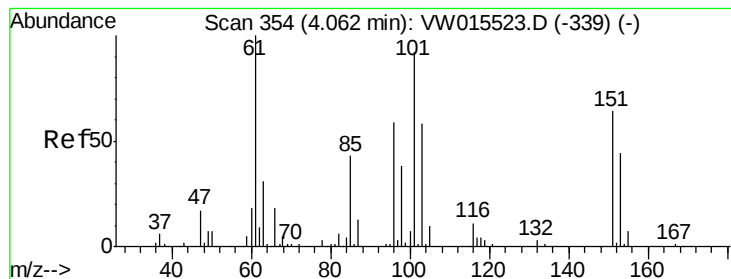
Diethyl Ether
 Concen: 19.468 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW015522.D
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Tgt Ion: 74 Resp: 22470
 Ion Ratio Lower Upper
 74 100
 45 96.0 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VW
 Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.694 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Instrument :

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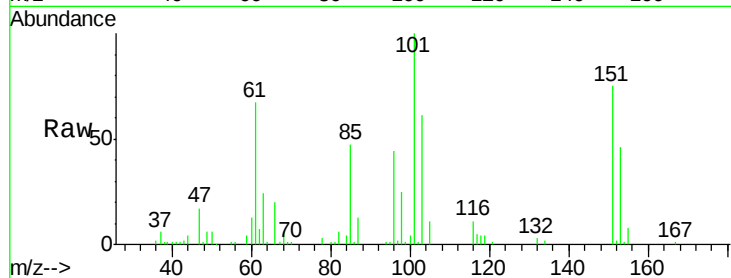
Tot Ion:101 Resp: 46346

Ion Ratio Lower Upper

101 100

85 45.6 37.0 55.6

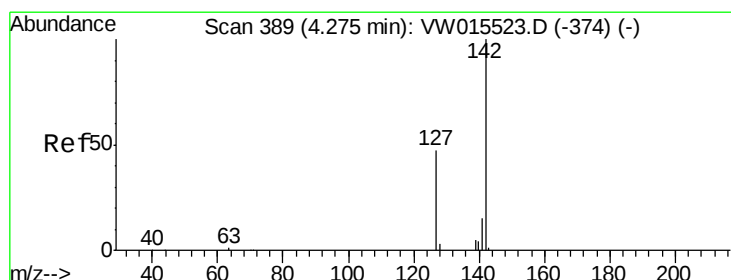
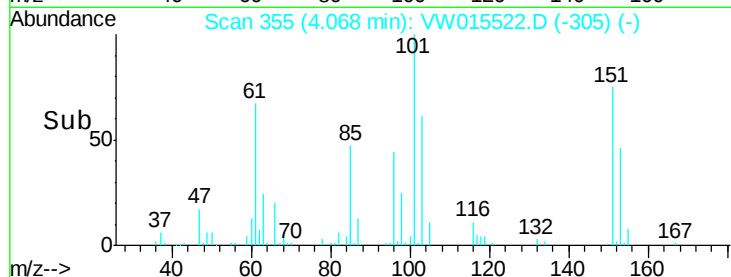
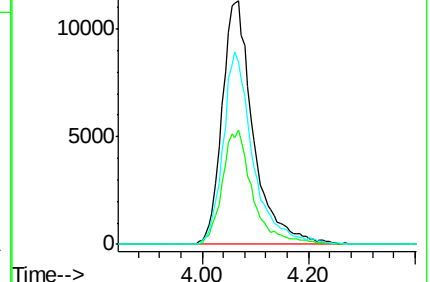
151 74.5 61.1 91.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.819 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

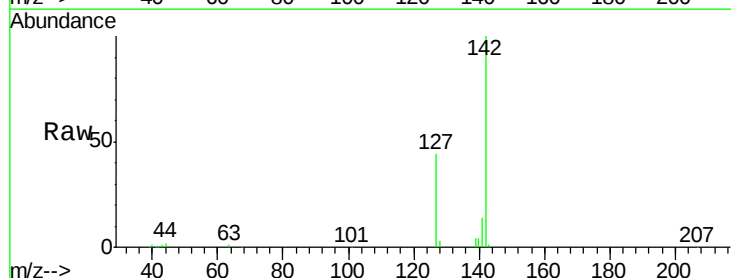
Tgt Ion:142 Resp: 67247

Ion Ratio Lower Upper

142 100

127 45.3 36.9 55.3

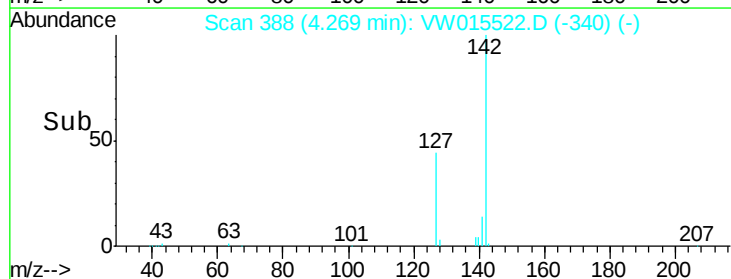
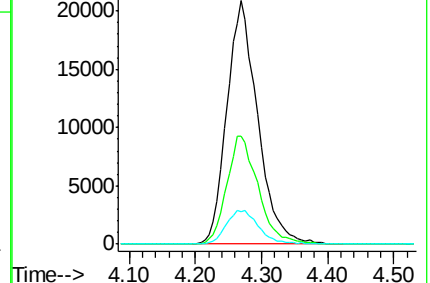
141 14.5 11.7 17.5

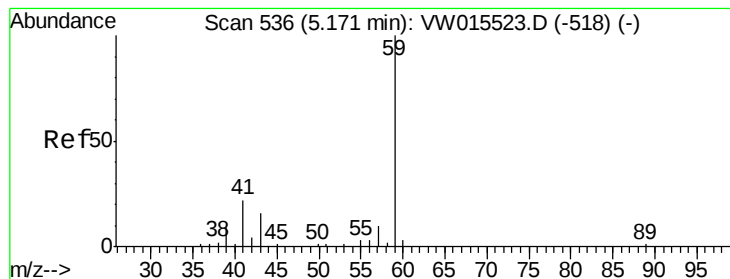


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



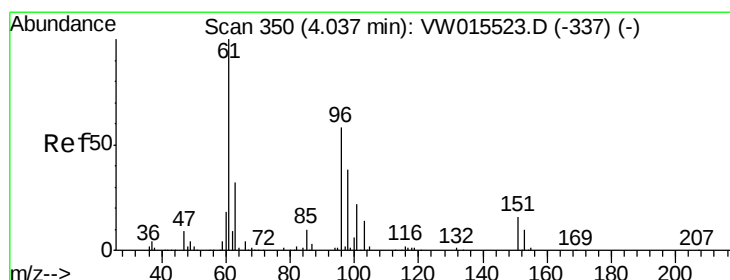
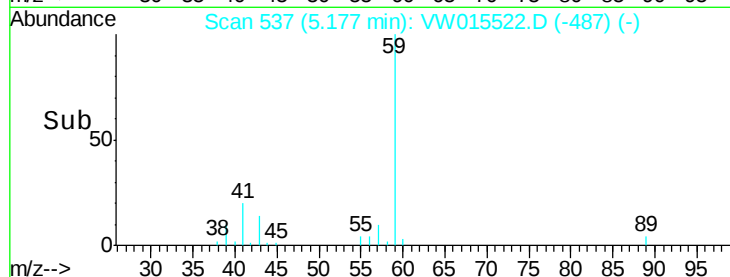
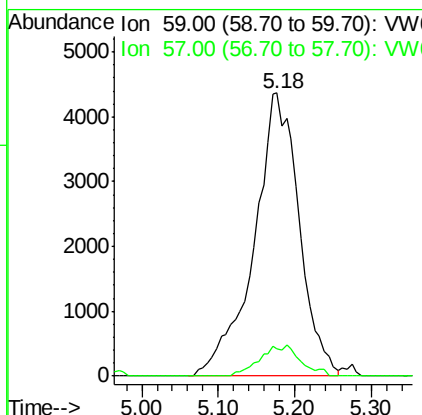
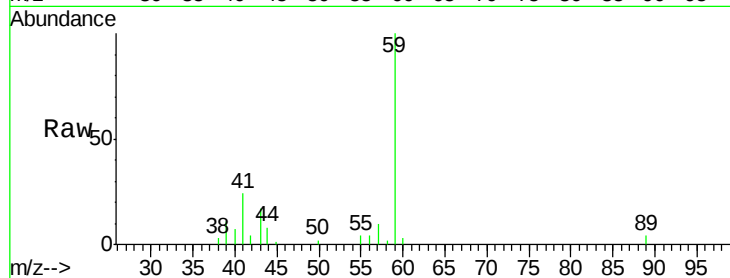


#11

Tert butyl alcohol
Concen: 118.654 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Instrument :
MSVOA_W
ClientSampled :

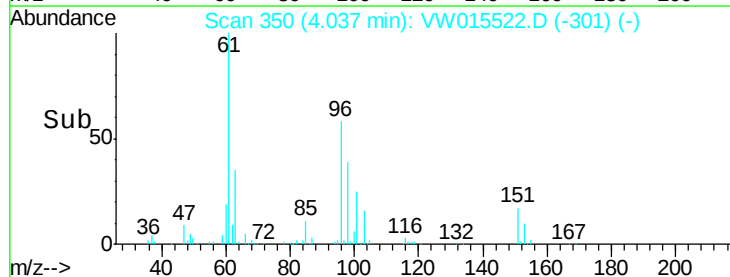
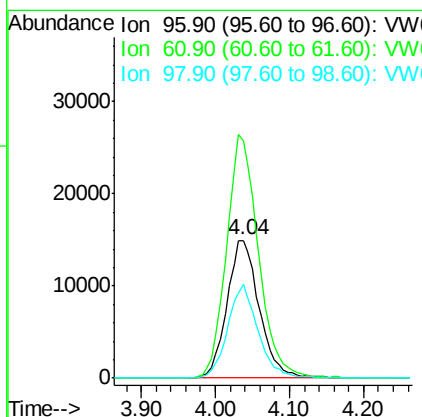
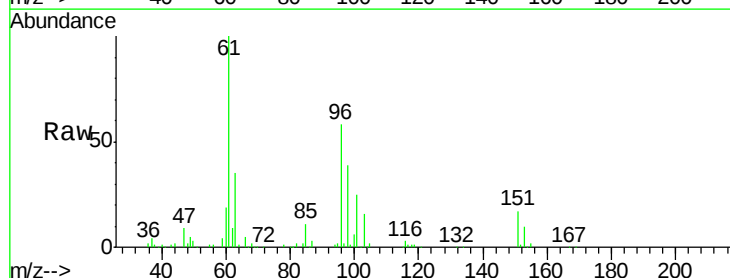
Tot Ion: 59 Resp: 17962
Ion Ratio Lower Upper
59 100
57 5.7 8.3 12.5#

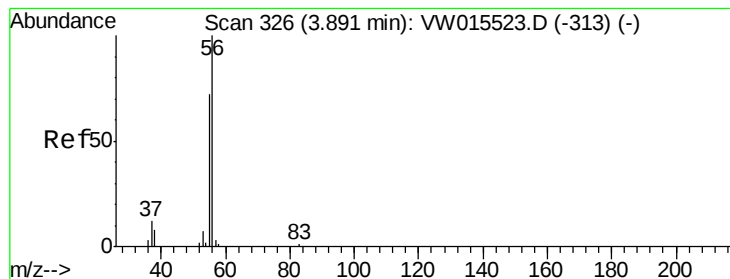


#12

1,1-Dichloroethene
Concen: 20.625 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Tgt Ion: 96 Resp: 45454
Ion Ratio Lower Upper
96 100
61 172.7 138.3 207.5
98 67.9 52.2 78.4





#13

Acrolein

Concen: 89.374 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Instrument :

MSVOA_W

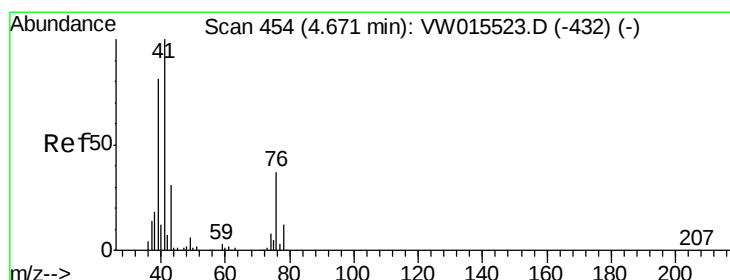
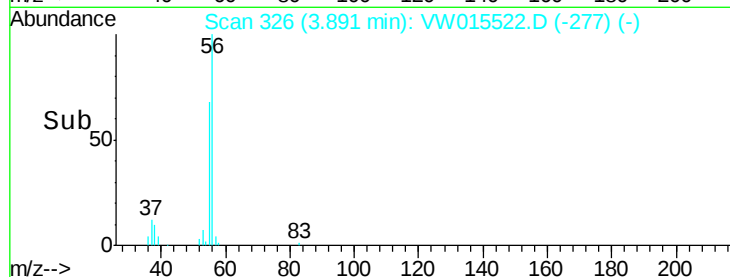
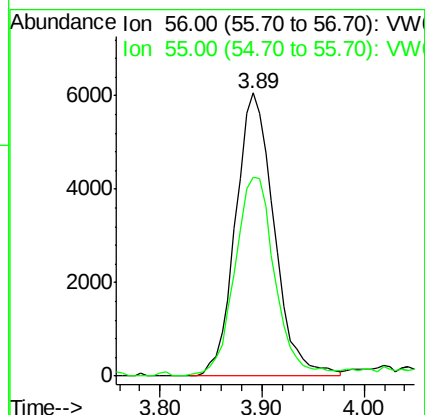
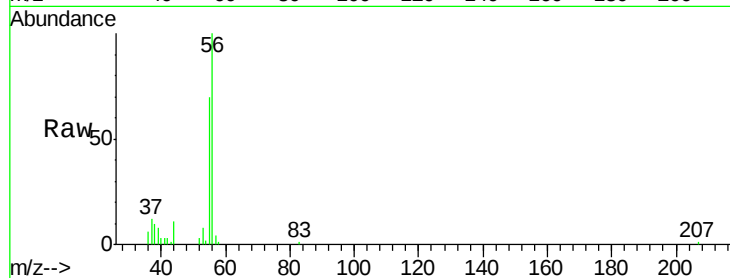
ClientSampled :

Tot Ion: 56 Resp: 15880

Ion Ratio Lower Upper

56 100

55 73.4 56.5 84.7



#14

Allyl chloride

Concen: 19.848 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

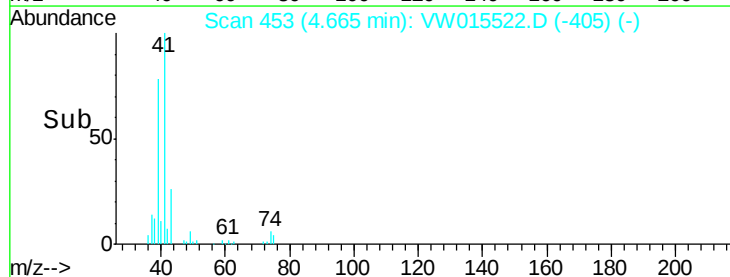
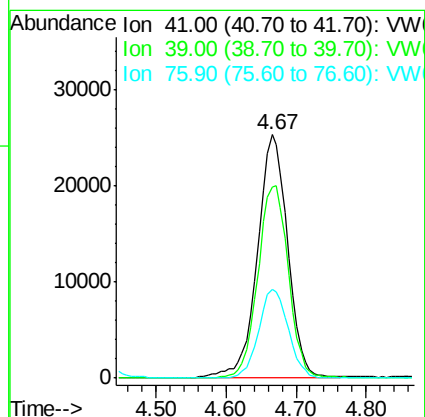
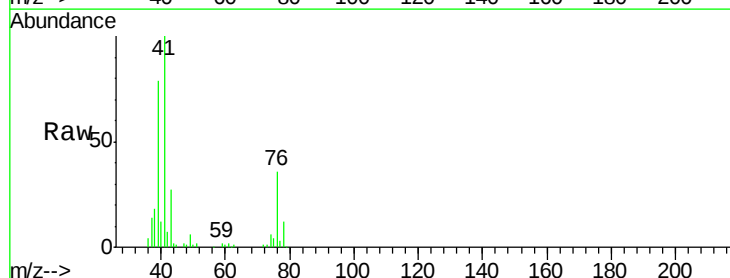
Tgt Ion: 41 Resp: 76563

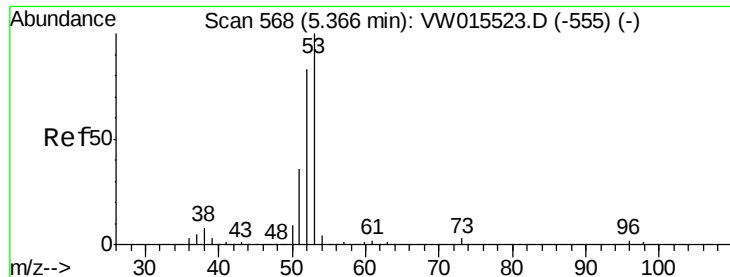
Ion Ratio Lower Upper

41 100

39 79.8 63.1 94.7

76 35.6 28.6 43.0





#15

Acrylonitrile

Concen: 96.412 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

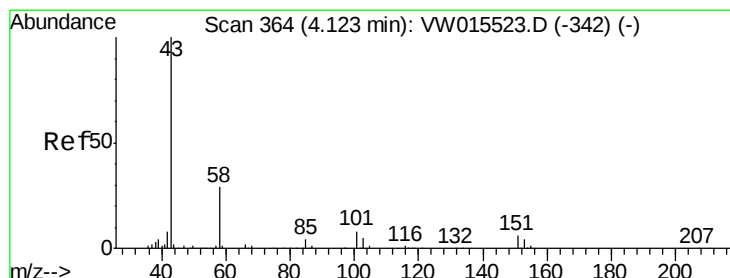
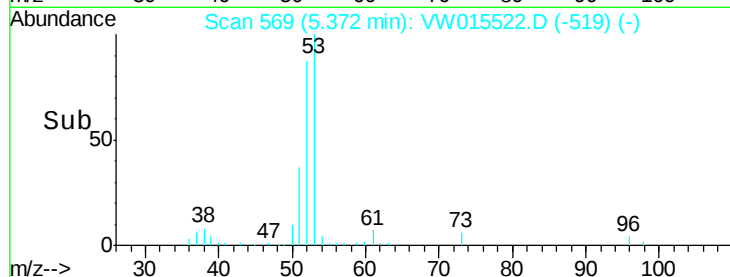
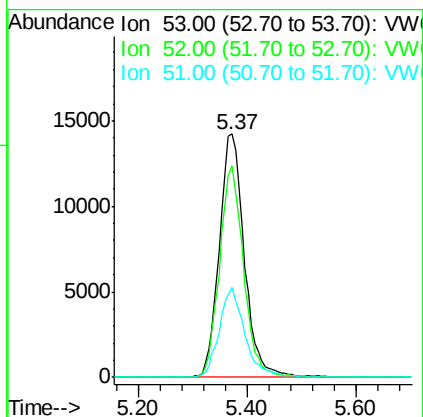
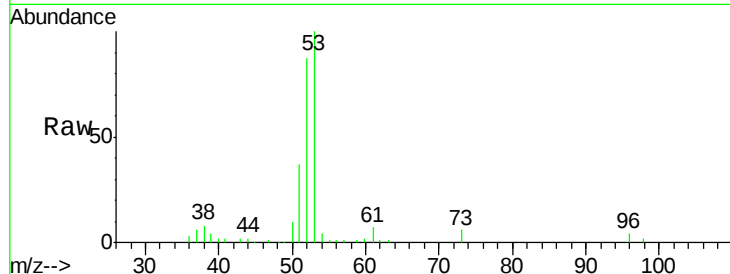
Tot Ion: 53 Resp: 45681

Ion Ratio Lower Upper

53 100

52 82.6 66.1 99.1

51 37.4 30.2 45.4



#16

Acetone

Concen: 102.496 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW015522.D

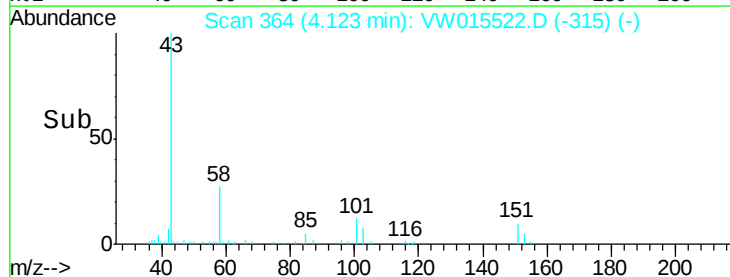
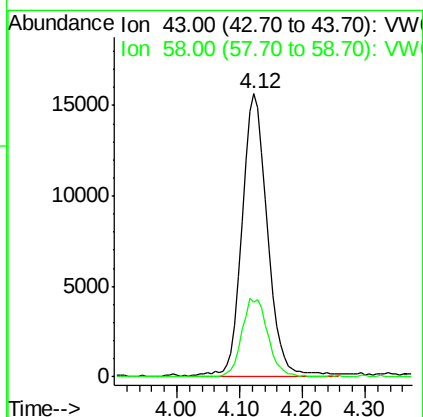
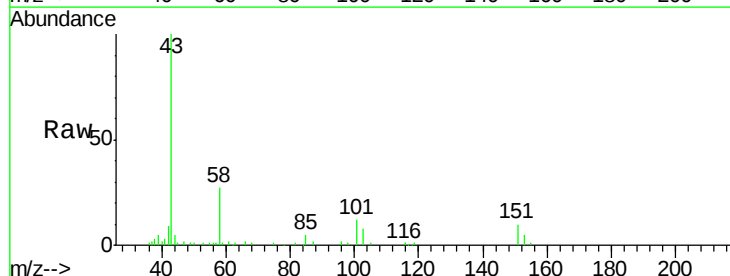
Acq: 02 Jun 2020 12:13

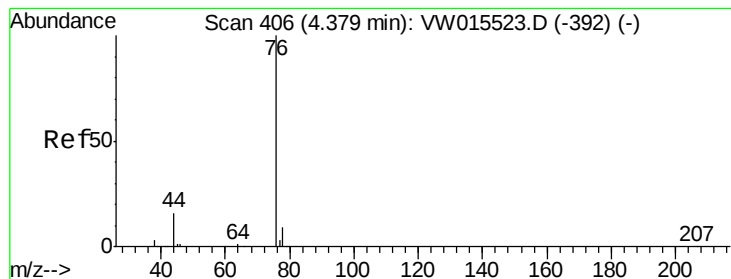
Tgt Ion: 43 Resp: 44280

Ion Ratio Lower Upper

43 100

58 26.6 23.1 34.7





#17

Carbon Disulfide

Concen: 20.246 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Instrument :

MSVOA_W

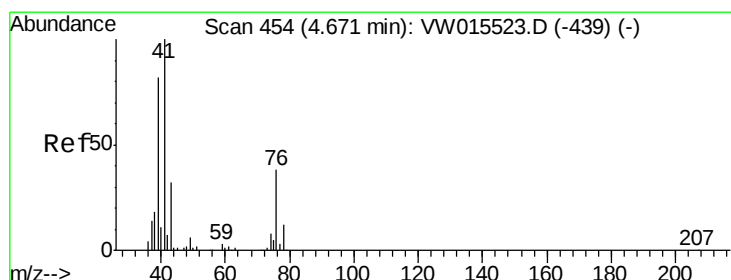
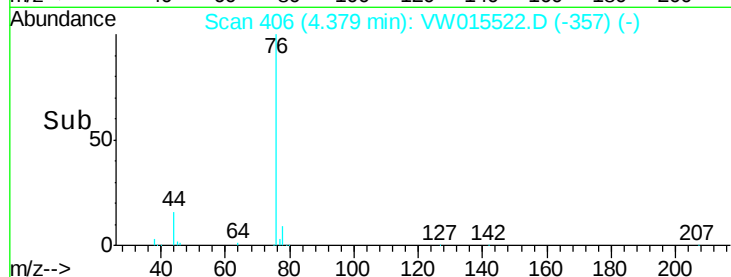
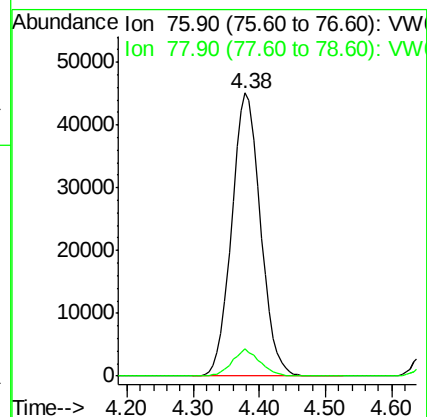
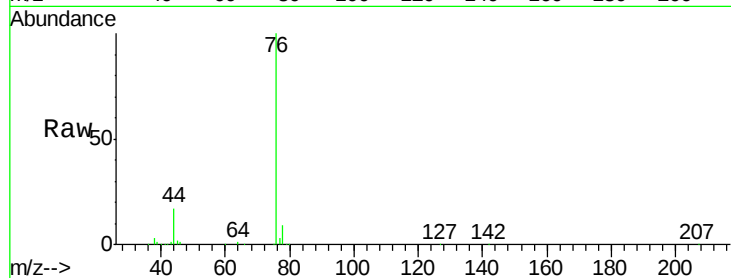
ClientSampleId :

Tot Ion: 76 Resp: 136181

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.2



#18

Methyl Acetate

Concen: 20.259 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW015522.D

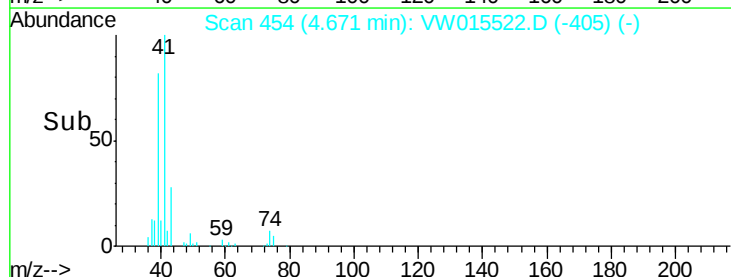
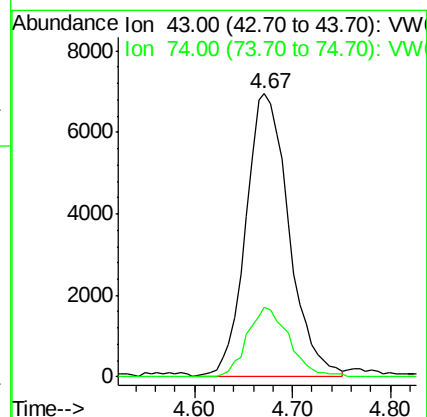
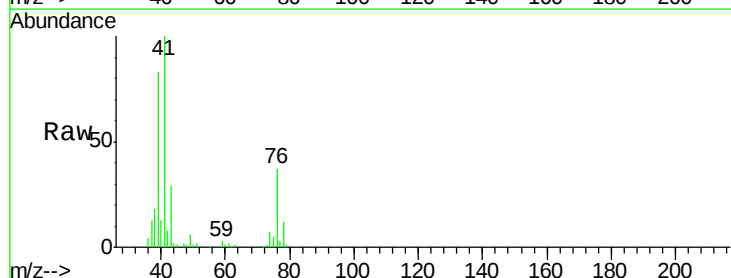
Acq: 02 Jun 2020 12:13

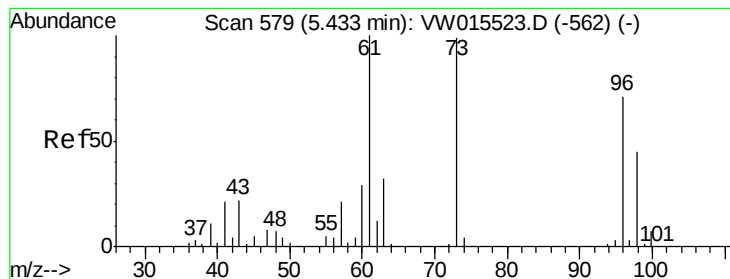
Tgt Ion: 43 Resp: 21412

Ion Ratio Lower Upper

43 100

74 23.9 18.8 28.2



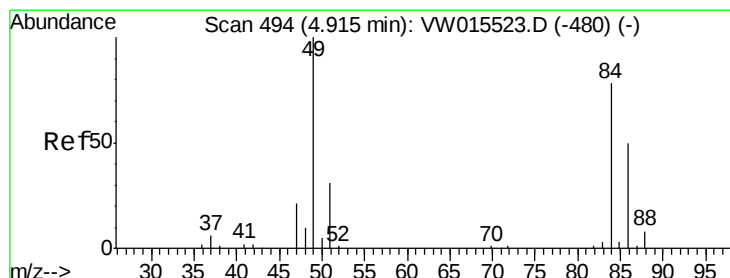
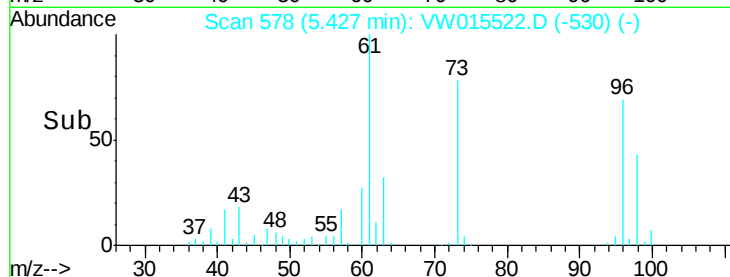
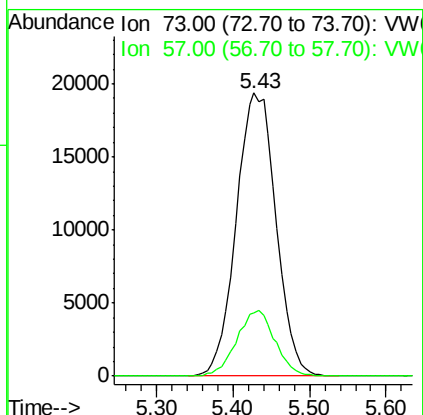
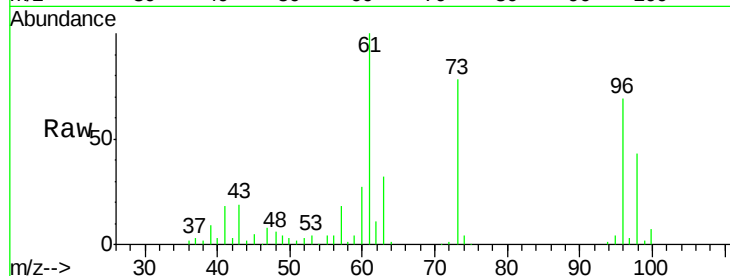


#19

Methyl tert-butyl Ether
 Concen: 19.524 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: VW015522.D
 Acq: 02 Jun 2020 12:13

Instrument :
 MSVOA_W
 ClientSampleId :

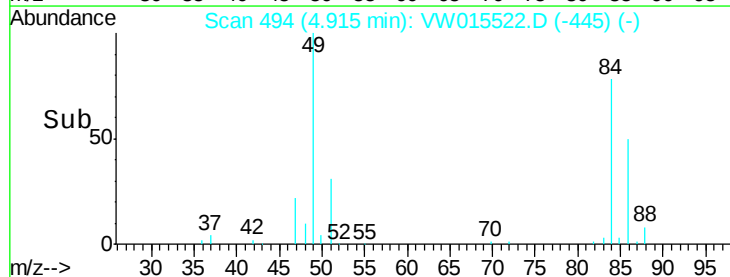
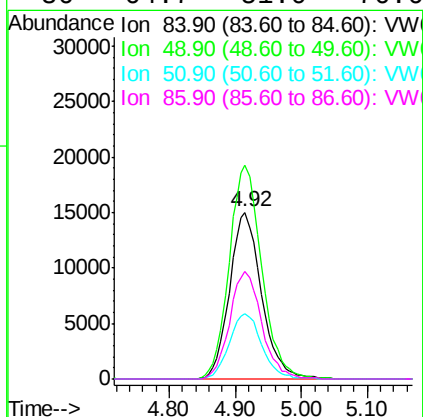
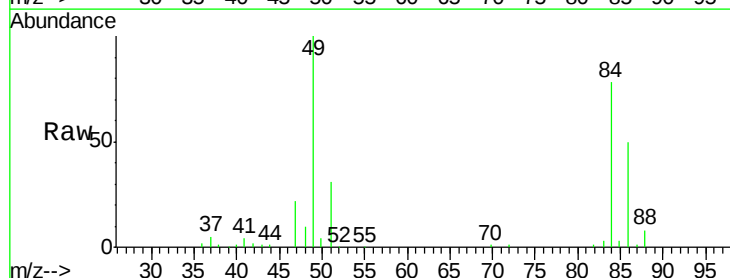
Tot Ion: 73 Resp: 69804
 Ion Ratio Lower Upper
 73 100
 57 22.4 17.1 25.7

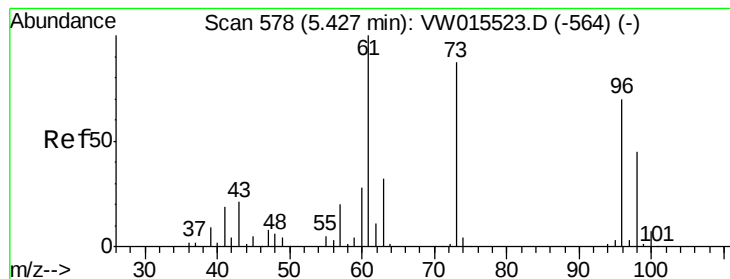


#20

Methylene Chloride
 Concen: 19.677 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW015522.D
 Acq: 02 Jun 2020 12:13

Tgt Ion: 84 Resp: 50361
 Ion Ratio Lower Upper
 84 100
 49 128.3 102.8 154.2
 51 39.5 31.4 47.2
 86 64.7 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 20.478 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

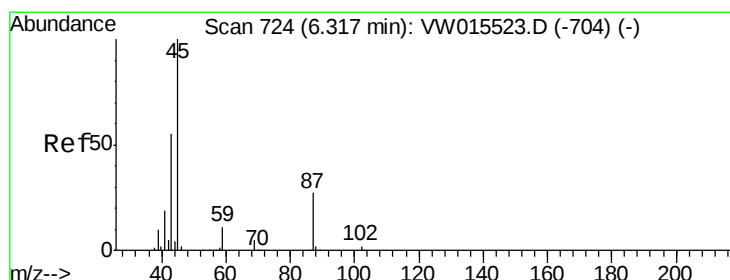
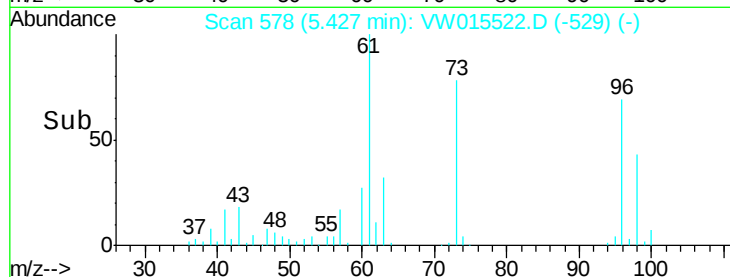
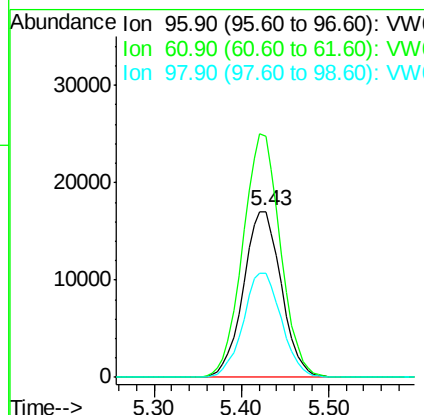
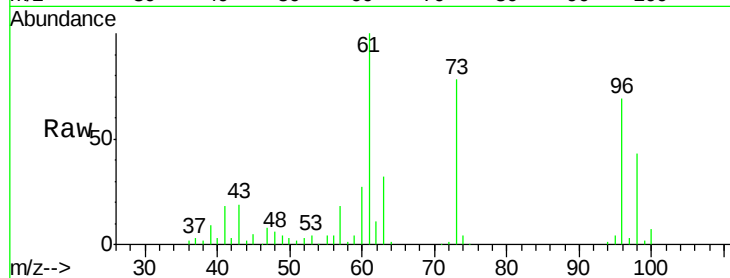
Tot Ion: 96 Resp: 51364

Ion Ratio Lower Upper

96 100

61 145.0 114.3 171.5

98 63.0 51.0 76.4



#22

Diisopropyl ether

Concen: 19.347 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Tgt Ion: 45 Resp: 145763

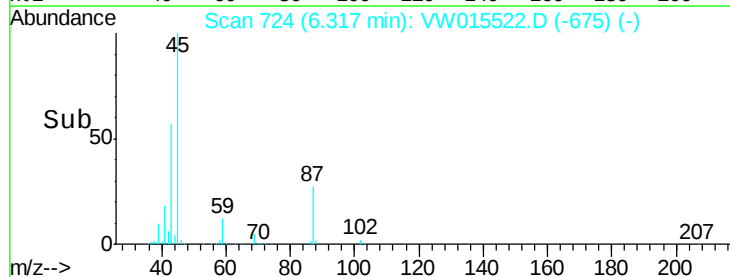
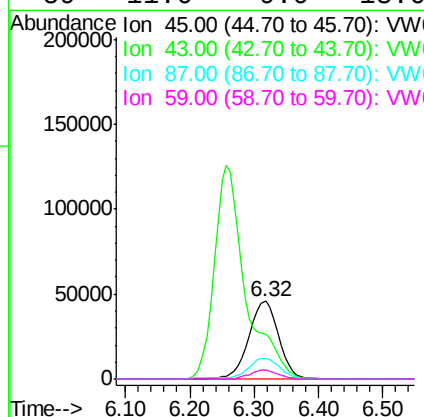
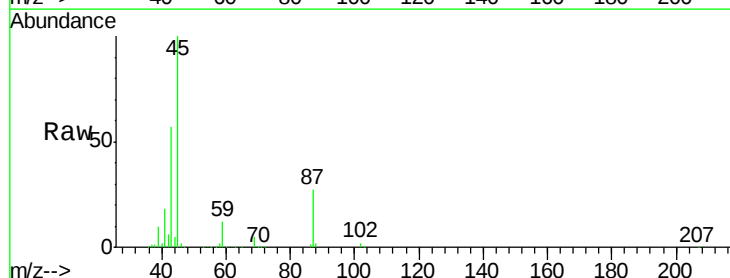
Ion Ratio Lower Upper

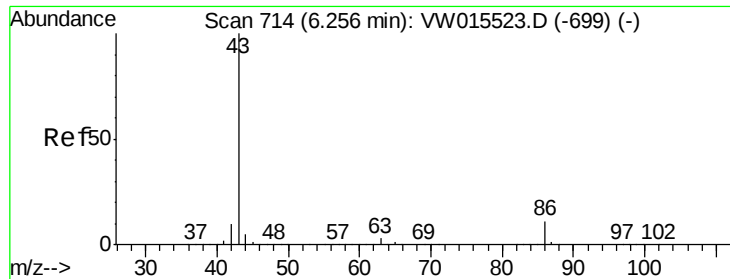
45 100

43 56.3 44.1 66.1

87 26.9 21.8 32.8

59 11.6 9.0 13.6





#23

Vinyl Acetate

Concen: 92.178 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

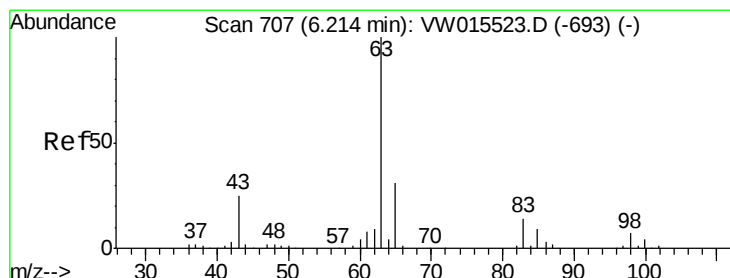
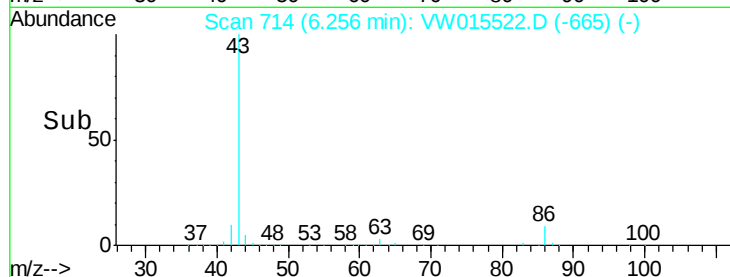
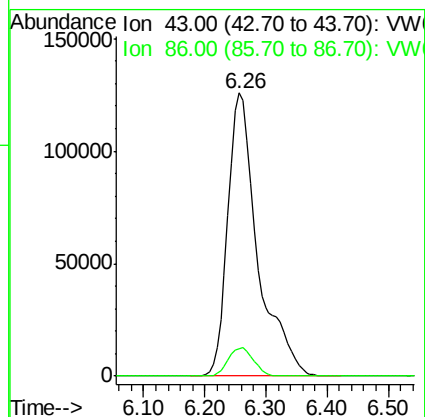
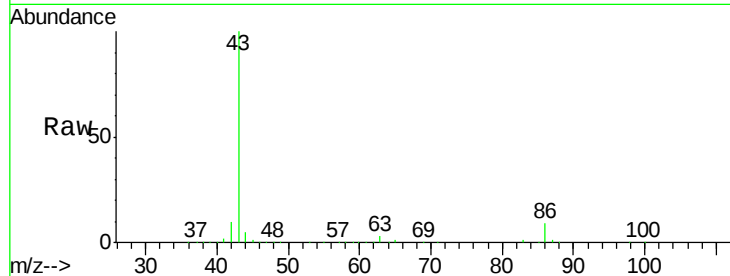
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 424302

Ion Ratio Lower Upper

43 100

86 9.5 8.6 12.8



#24

1,1-Dichloroethane

Concen: 20.358 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

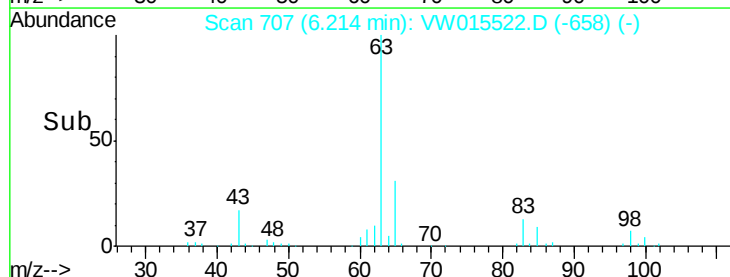
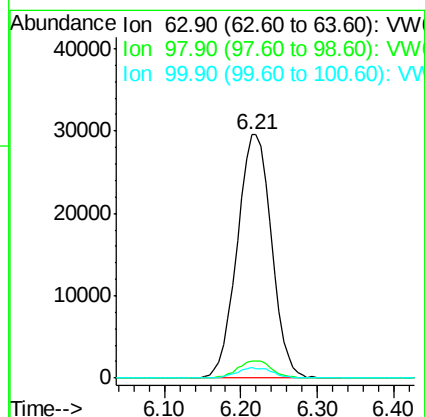
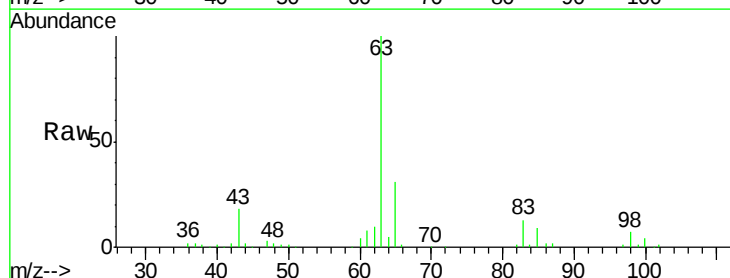
Tgt Ion: 63 Resp: 92128

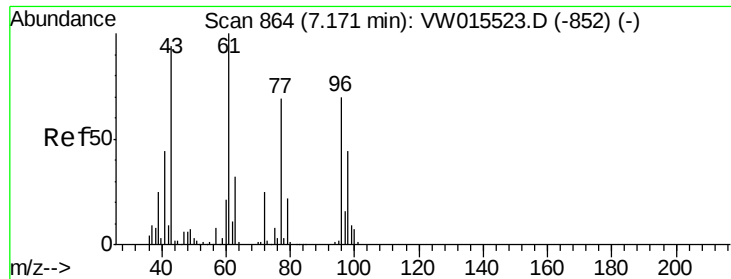
Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.1

100 4.3 2.2 6.6

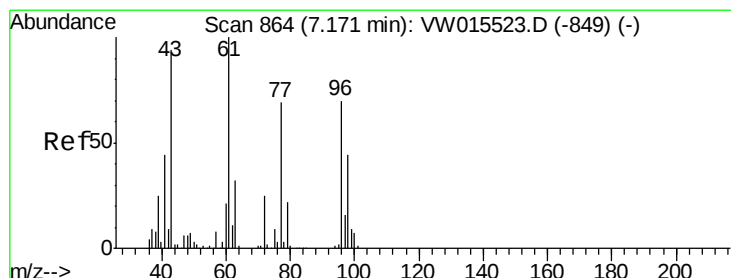
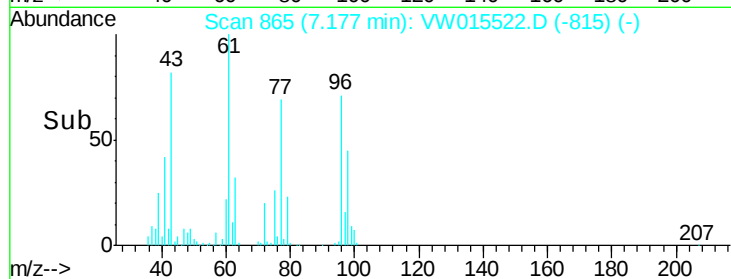
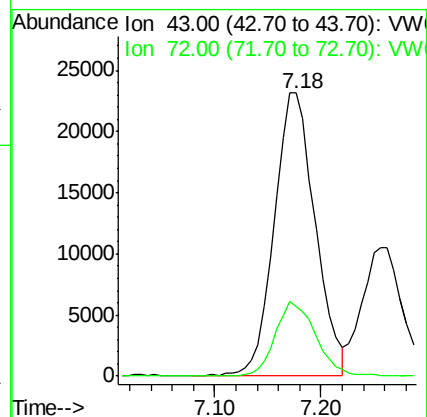
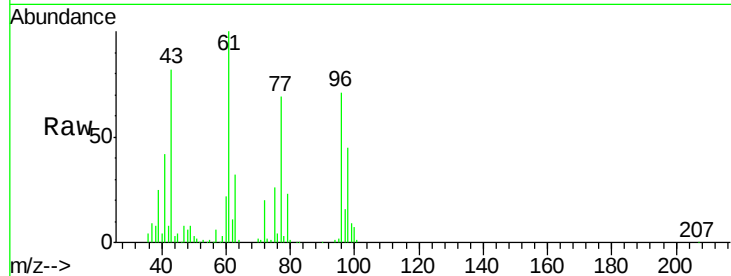




#25
2-Butanone
Concen: 97.618 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

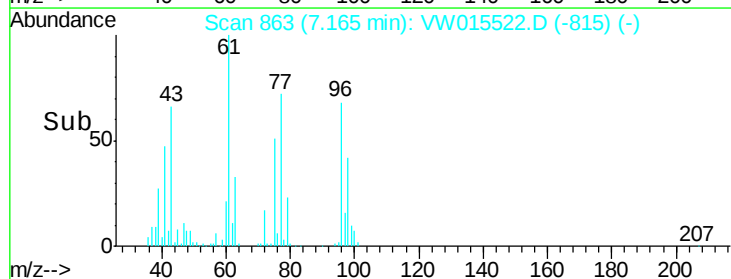
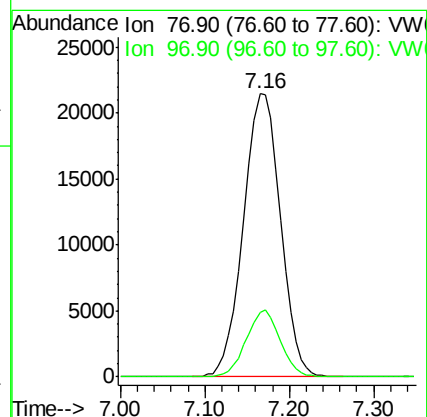
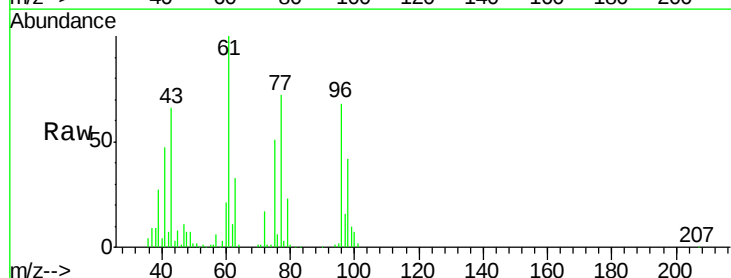
Instrument :
MSVOA_W
ClientSampled :

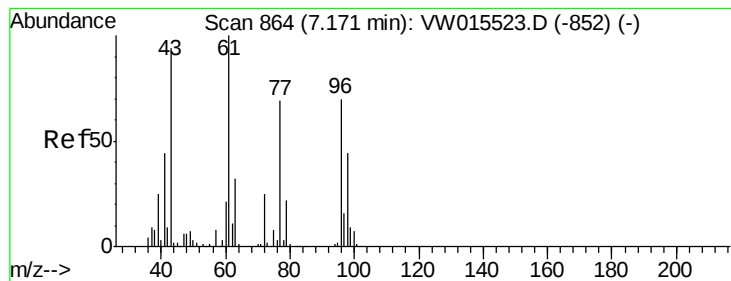
Tot Ion: 43 Resp: 61867
Ion Ratio Lower Upper
43 100
72 24.6 21.0 31.4



#26
2,2-Dichloropropane
Concen: 21.247 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Tgt Ion: 77 Resp: 63960
Ion Ratio Lower Upper
77 100
97 21.7 11.1 33.3



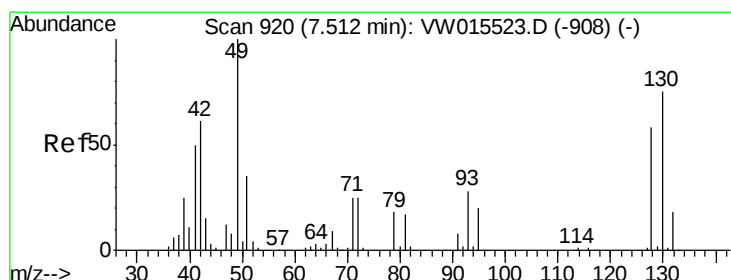
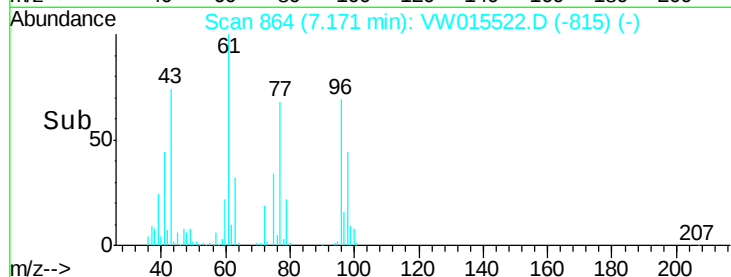
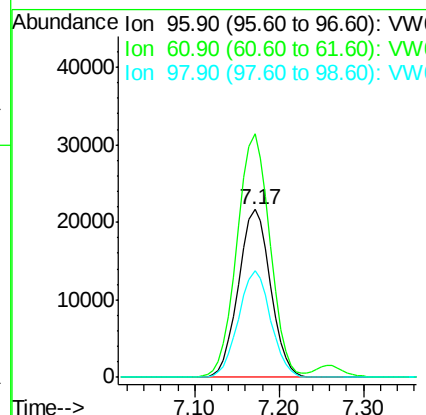
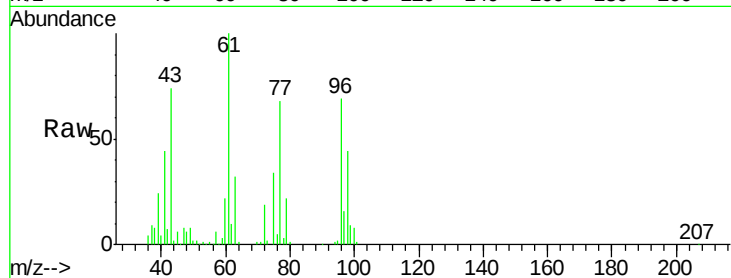


#27

cis-1,2-Dichloroethene
Concen: 20.420 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Instrument :
MSVOA_W
ClientSampled :

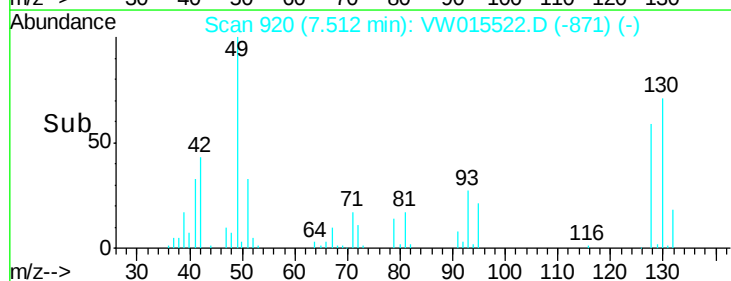
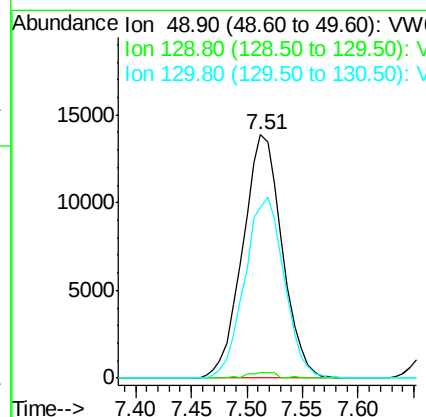
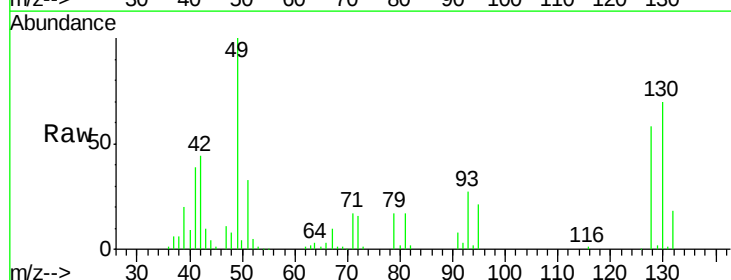
Tot Ion: 96 Resp: 55782
Ion Ratio Lower Upper
96 100
61 149.3 0.0 293.0
98 63.4 0.0 127.2

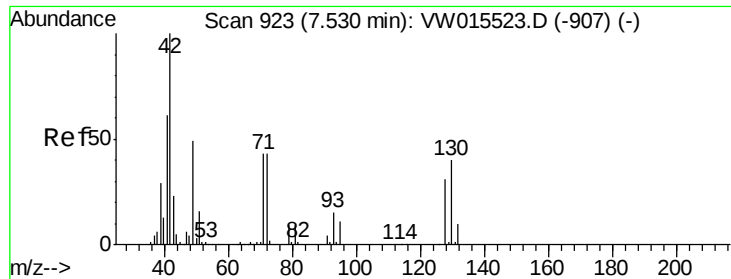


#28

Bromochloromethane
Concen: 19.049 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Tgt Ion: 49 Resp: 34231
Ion Ratio Lower Upper
49 100
129 1.7 0.0 2.0
130 74.2 59.7 89.5

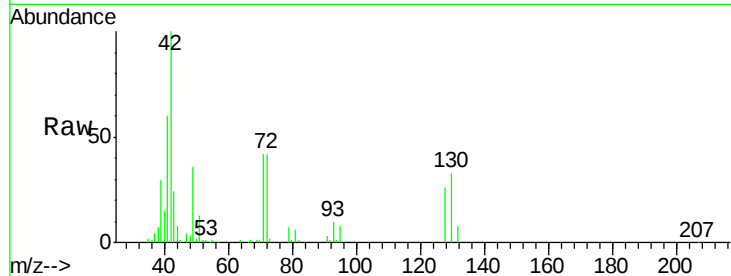




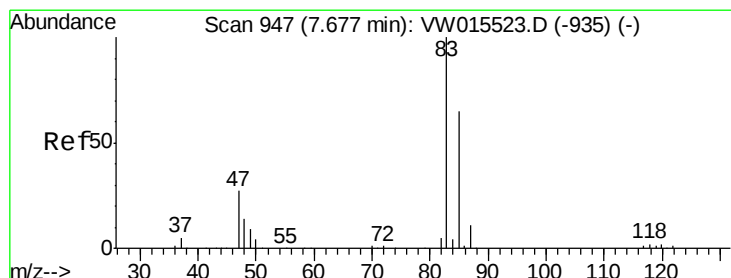
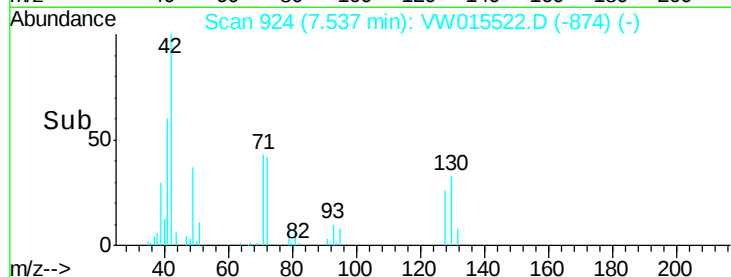
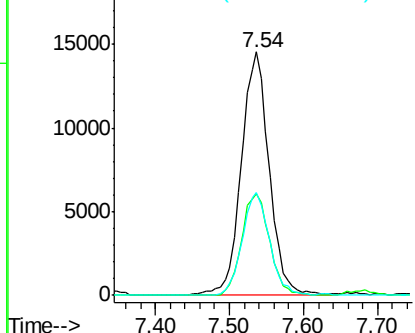
#29
Tetrahydrofuran
Concen: 94.309 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 42 Resp: 38197
Ion Ratio Lower Upper
42 100
72 41.6 34.8 52.2
71 41.3 33.3 49.9

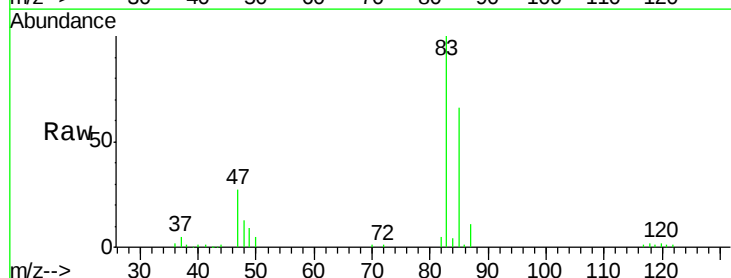


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

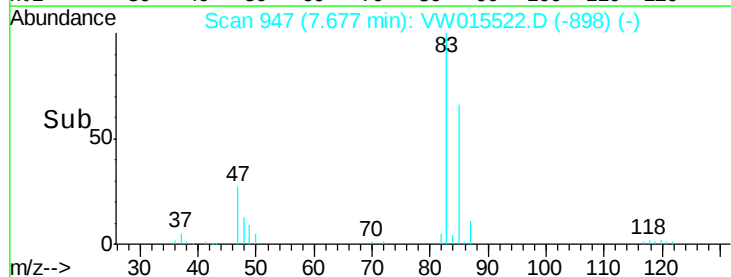
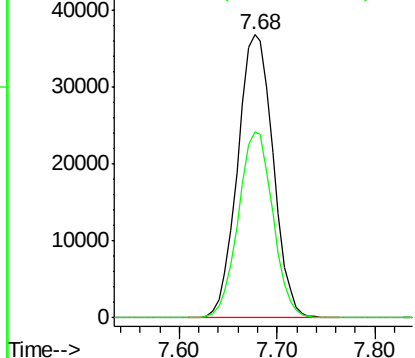


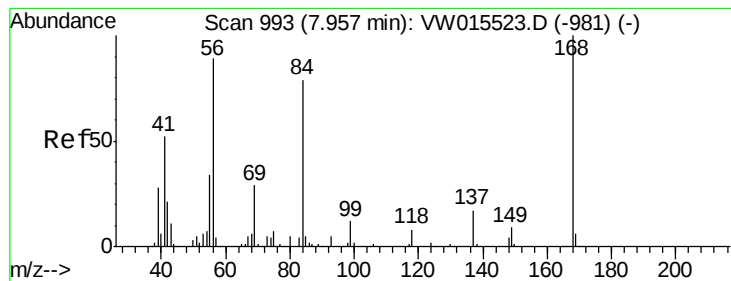
#30
Chloroform
Concen: 20.572 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Tgt Ion: 83 Resp: 92713
Ion Ratio Lower Upper
83 100
85 65.8 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 19.584 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Instrument :
MSVOA_W
ClientSampled :

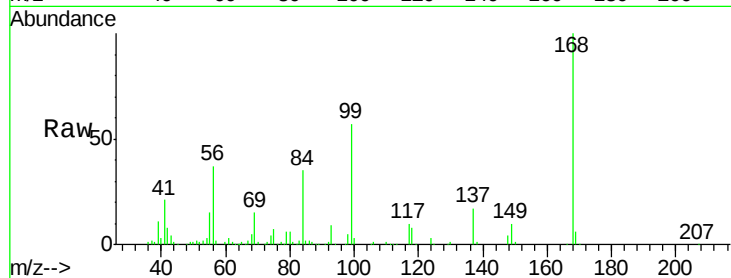
Tot Ion: 56 Resp: 88973

Ion Ratio Lower Upper

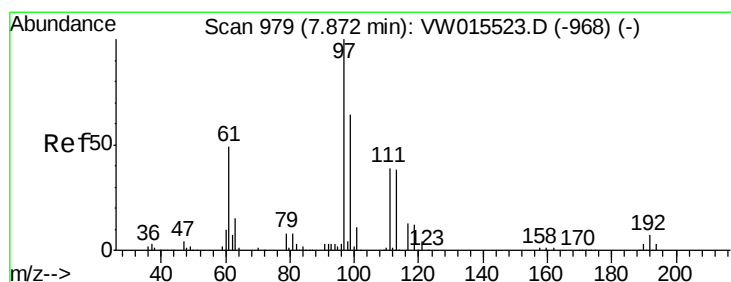
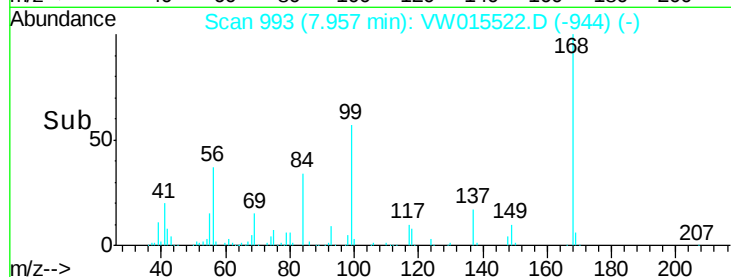
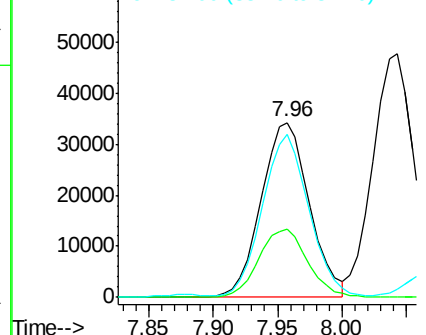
56 100

69 39.2 26.3 39.5

84 91.4 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: 21.210 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

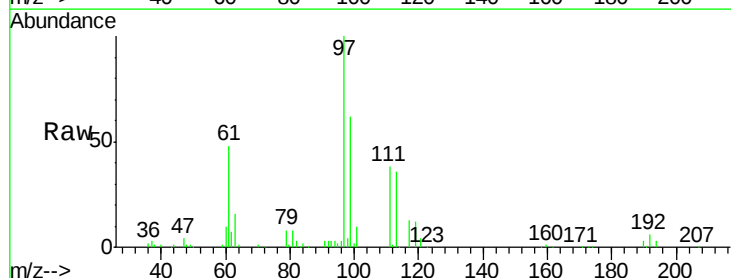
Tgt Ion: 97 Resp: 80265

Ion Ratio Lower Upper

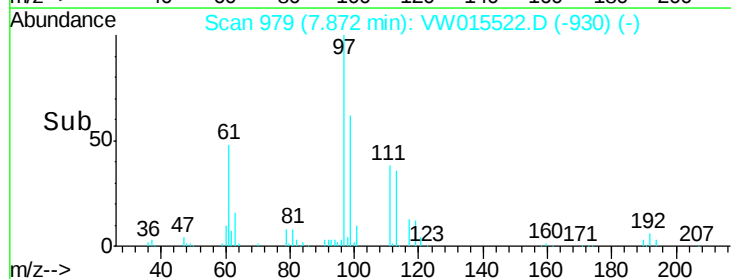
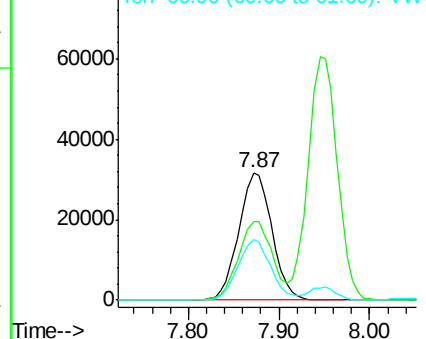
97 100

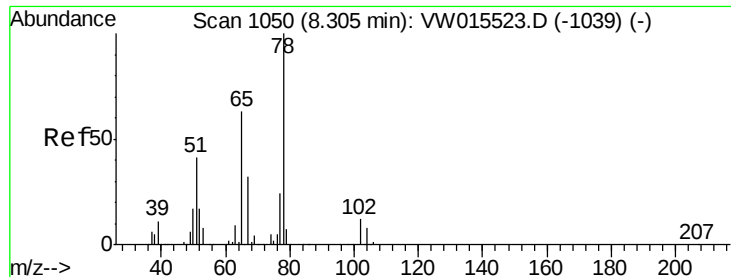
99 63.4 51.4 77.0

61 47.3 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

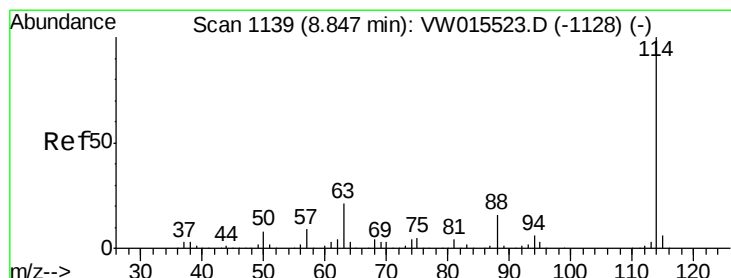
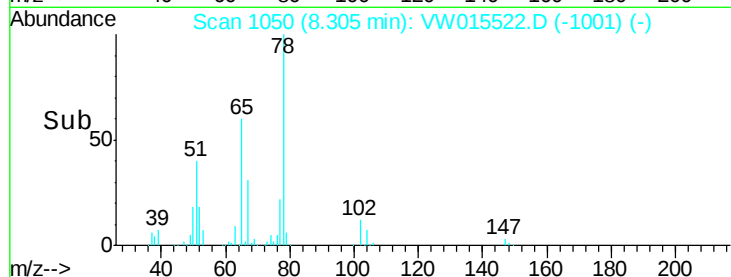
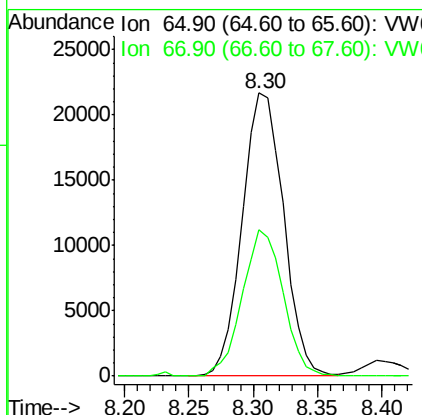
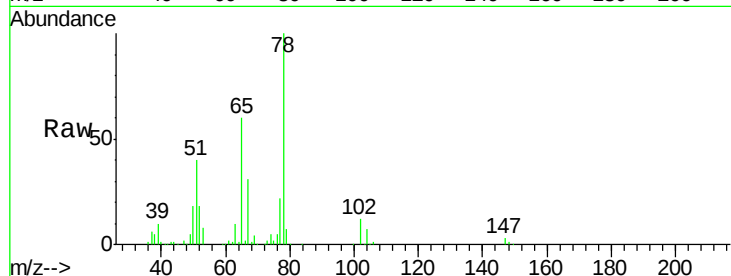




#33
 1,2-Dichloroethane-d4
 Concen: 19.450 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015522.D
 Acq: 02 Jun 2020 12:13

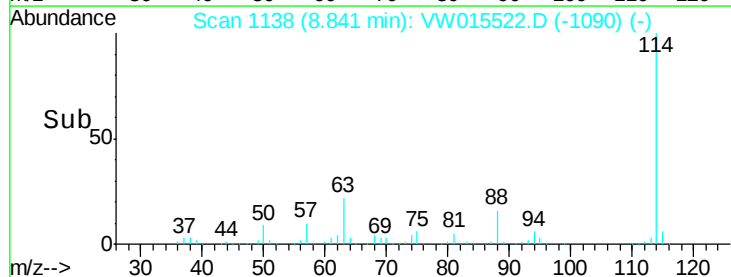
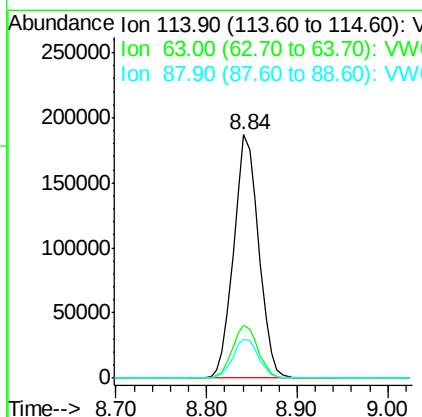
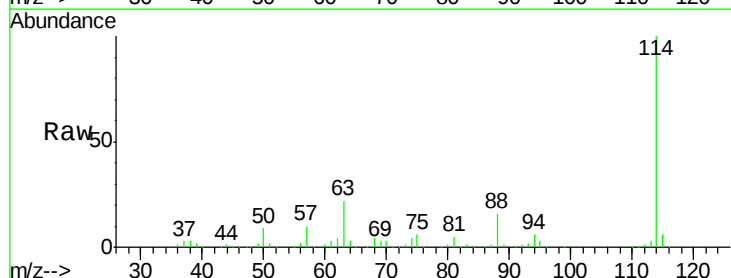
Instrument :
 MSVOA_W
 ClientSampleId :

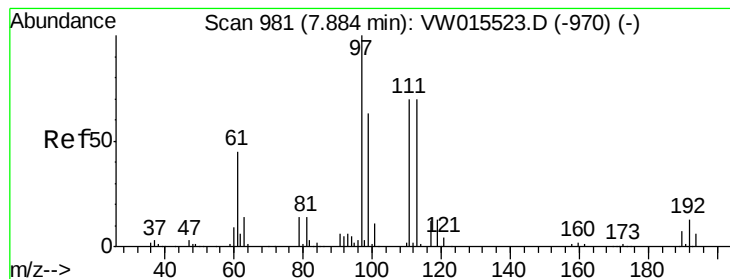
Tot Ion: 65 Resp: 48277
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW015522.D
 Acq: 02 Jun 2020 12:13

Tgt Ion: 114 Resp: 357304
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 42.0
 88 15.7 0.0 31.8





#35

Dibromofluoromethane

Concen: 20.672 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

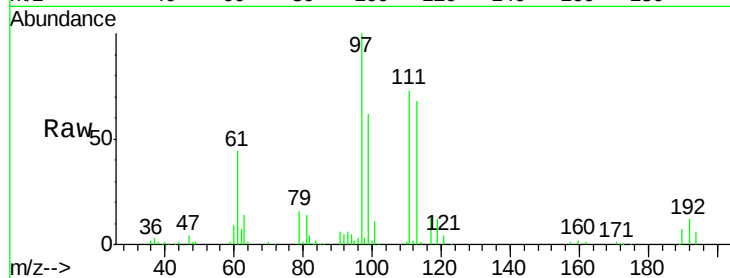
Tot Ion:113 Resp: 42547

Ion Ratio Lower Upper

113 100

111 106.3 83.3 124.9

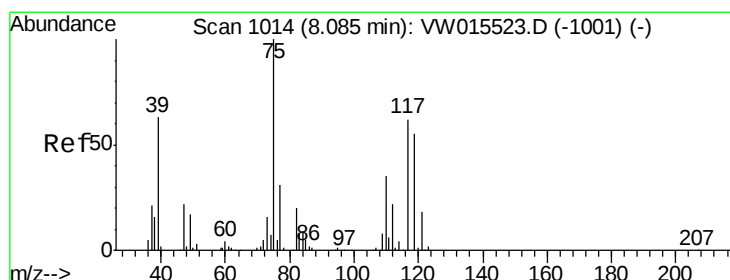
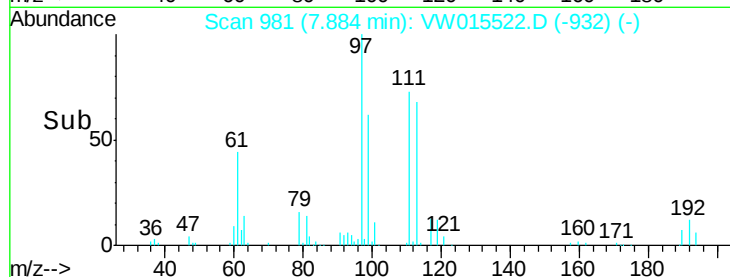
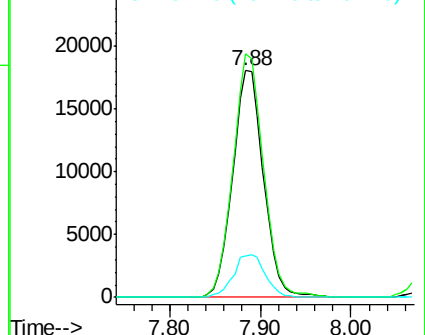
192 19.4 15.8 23.6



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: 21.601 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

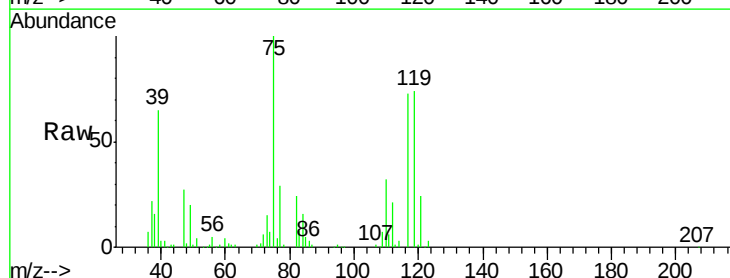
Tgt Ion: 75 Resp: 76598

Ion Ratio Lower Upper

75 100

110 33.2 17.2 51.6

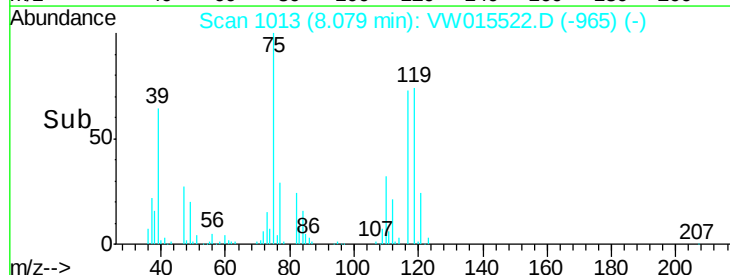
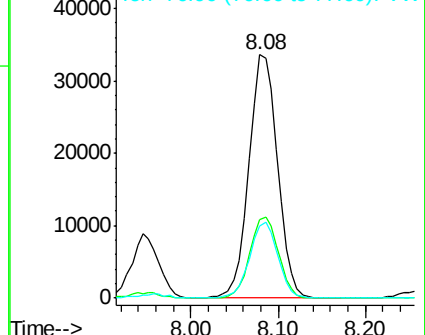
77 30.6 25.0 37.4

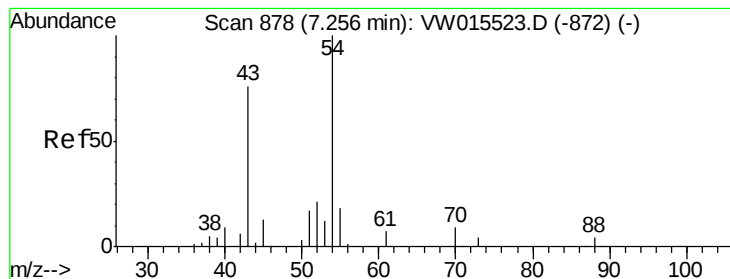


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 20.495 ug/l

RT: 7.26 min Scan# 879

Delta R.T. 0.01 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Instrument :

MSVOA_W

ClientSampled :

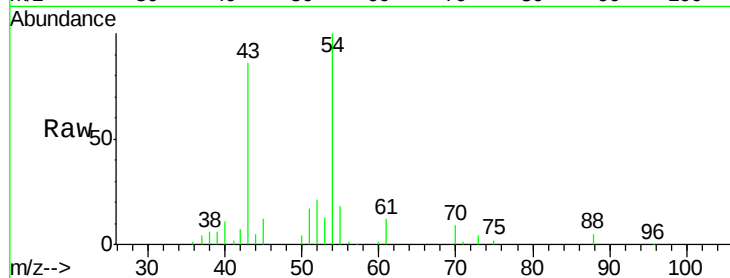
Tot Ion: 43 Resp: 28620

Ion Ratio Lower Upper

43 100

61 12.8 10.4 15.6

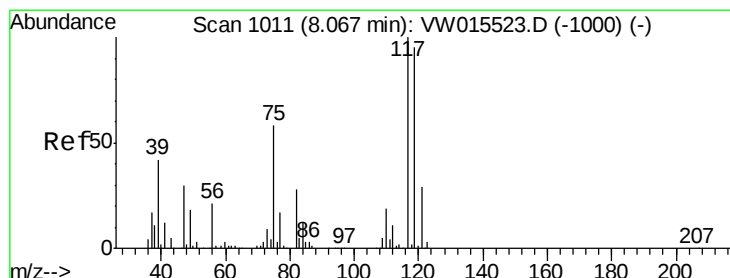
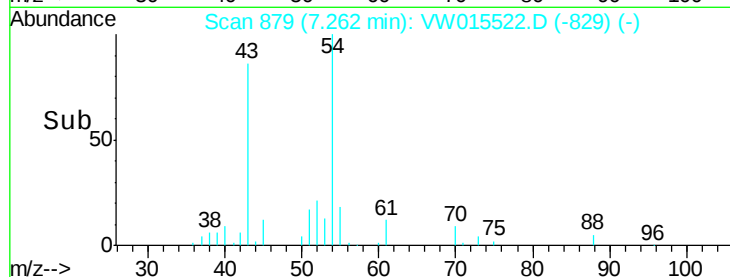
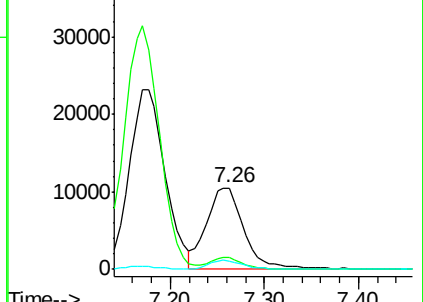
70 10.2 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 22.267 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

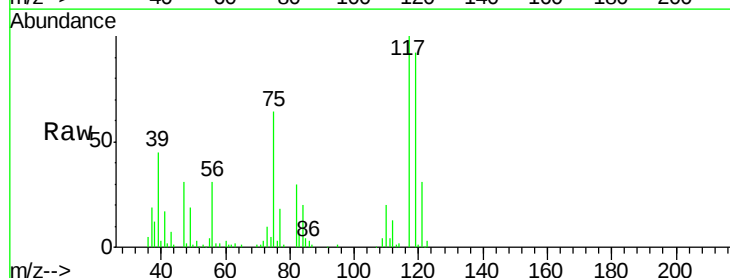
Tgt Ion: 117 Resp: 74697

Ion Ratio Lower Upper

117 100

119 92.0 75.9 113.9

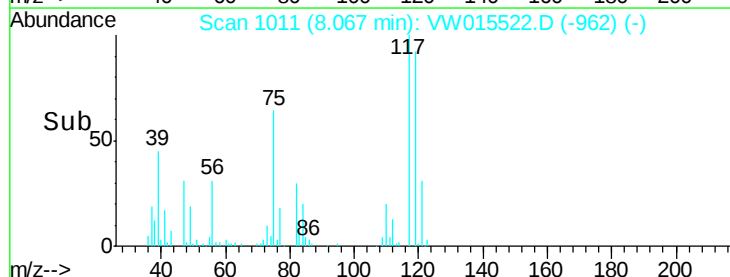
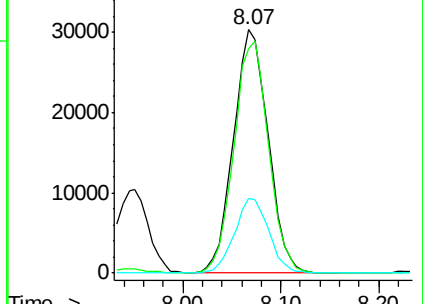
121 30.7 23.5 35.3

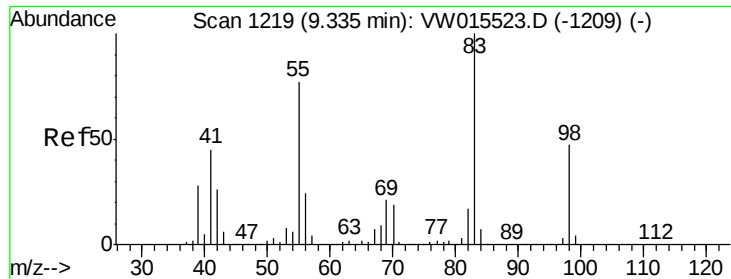


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

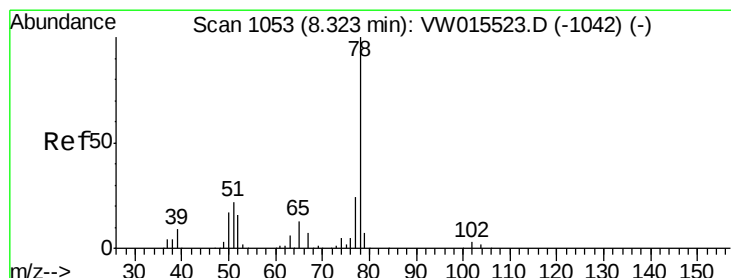
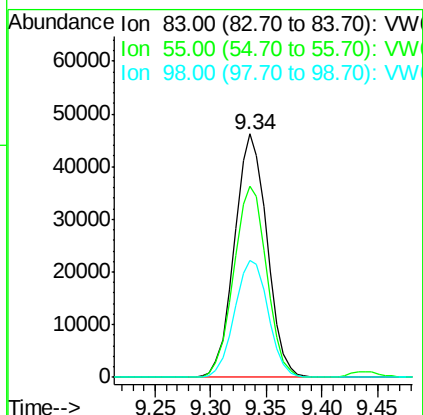
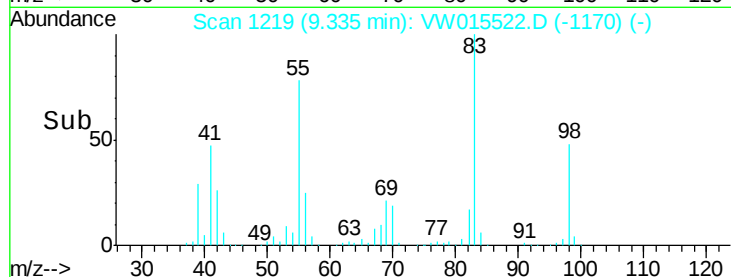
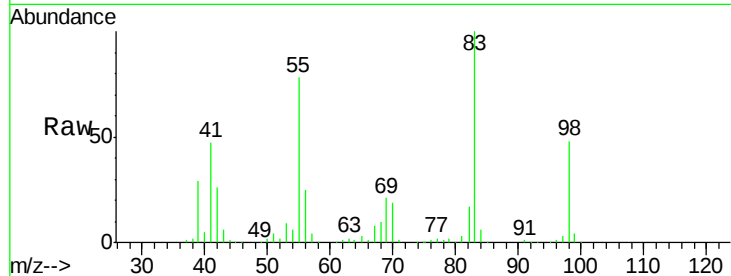




#39
Methvlcvclohexane
Concen: 20.802 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

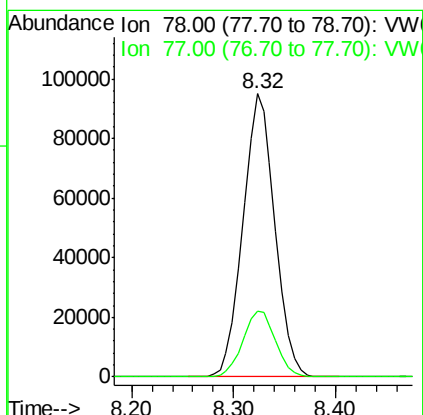
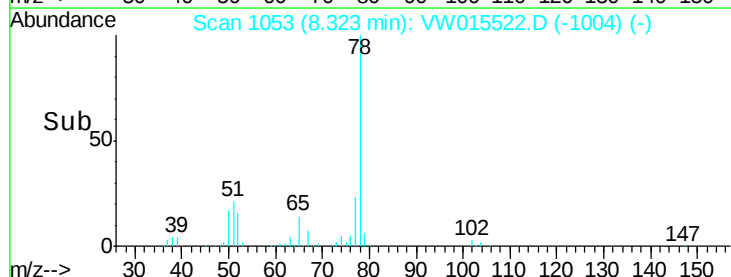
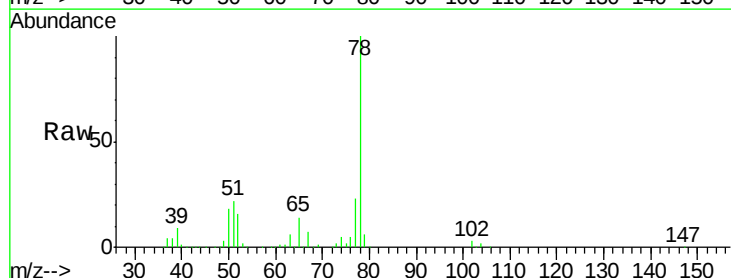
Instrument :
MSVOA_W
ClientSampled :

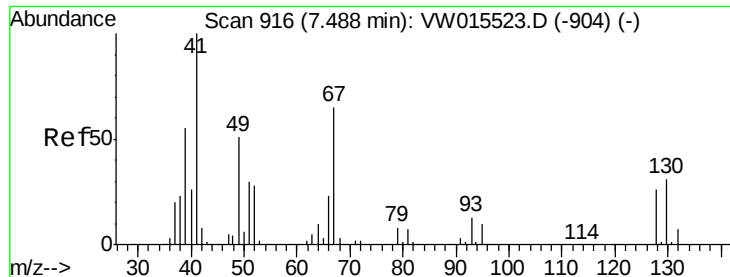
Tot Ion: 83 Resp: 93414
Ion Ratio Lower Upper
83 100
55 78.3 61.7 92.5
98 48.0 37.7 56.5



#40
Benzene
Concen: 21.127 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Tgt Ion: 78 Resp: 205171
Ion Ratio Lower Upper
78 100
77 23.2 19.2 28.8

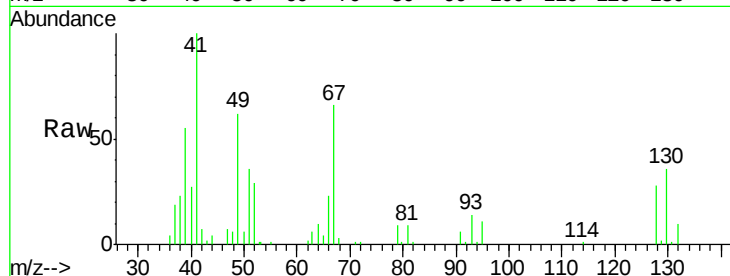




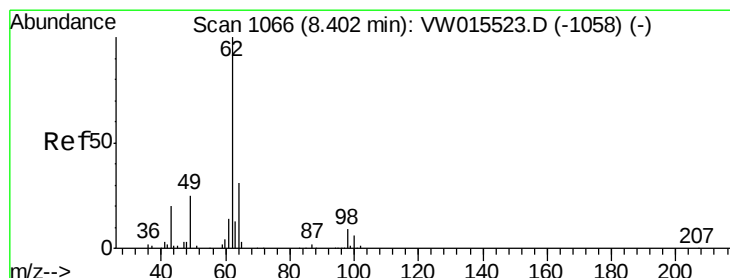
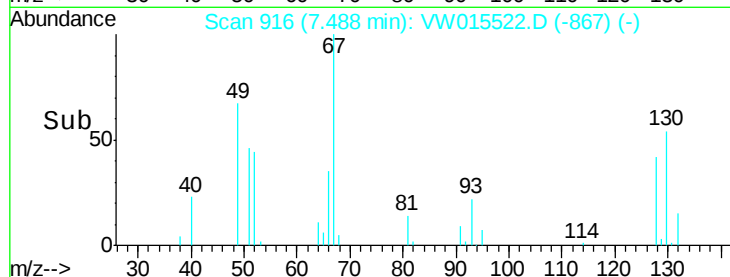
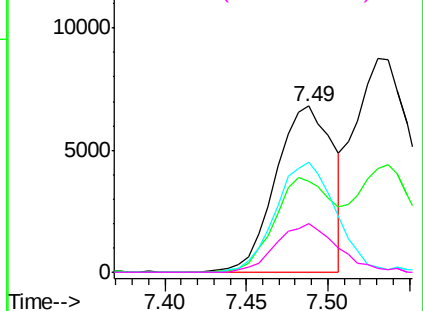
#41
Methacrylonitrile
Concen: 18.638 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	16599
Ion	Ratio	Lower	Upper
41	100		
39	57.0	44.5	66.7
67	70.1	53.1	79.7
52	31.1	23.5	35.3

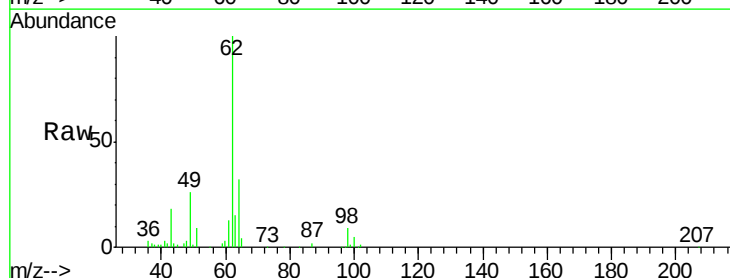


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

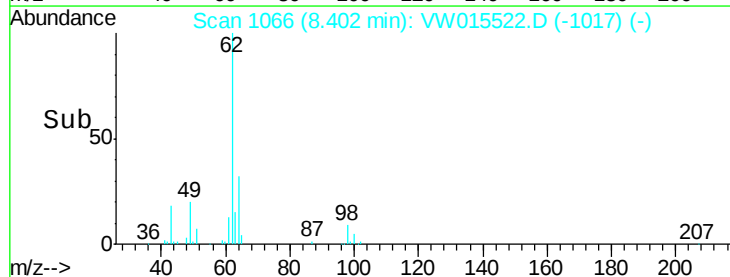
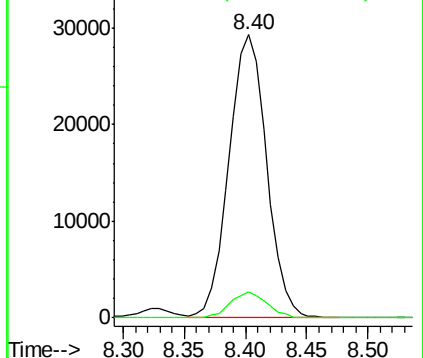


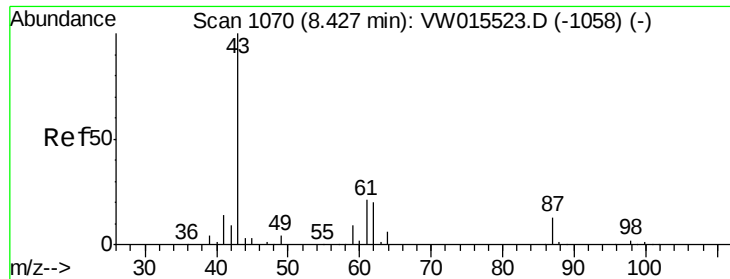
#42
1,2-Dichloroethane
Concen: 21.066 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Tgt Ion:	62	Resp:	62672
Ion	Ratio	Lower	Upper
62	100		
98	9.0	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: 19.411 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

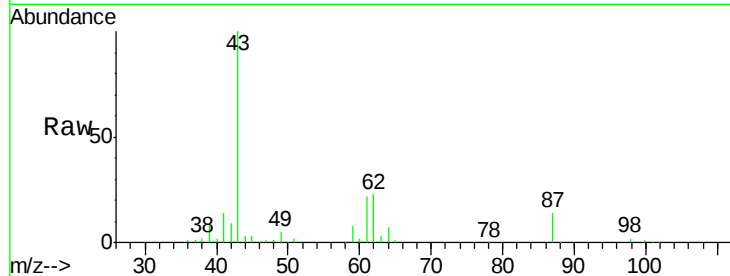
Tot Ion: 43 Resp: 57049

Ion Ratio Lower Upper

43 100

61 30.5 23.8 35.8

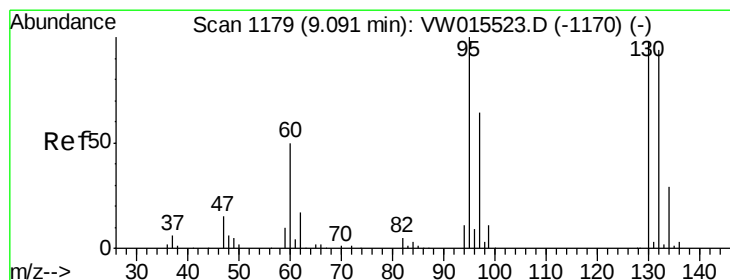
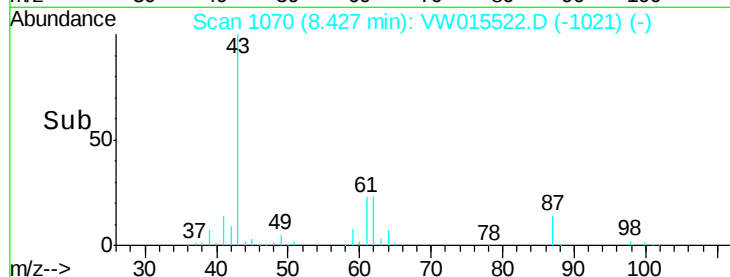
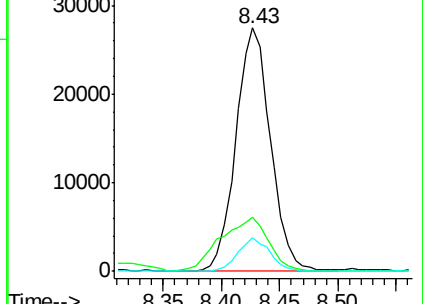
87 12.7 10.1 15.1



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: 21.477 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW015522.D

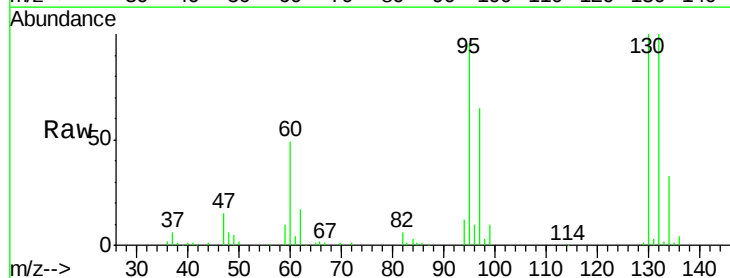
Acq: 02 Jun 2020 12:13

Tgt Ion: 130 Resp: 54138

Ion Ratio Lower Upper

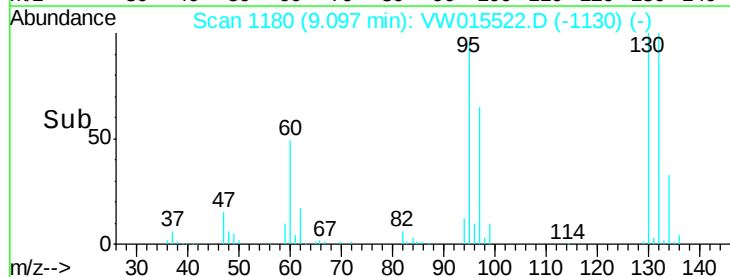
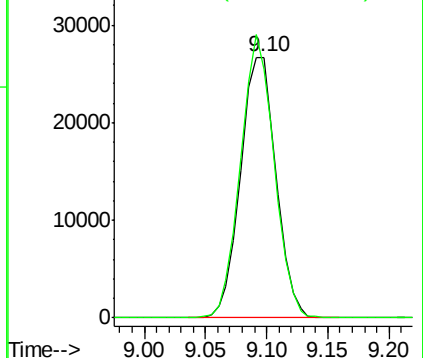
130 100

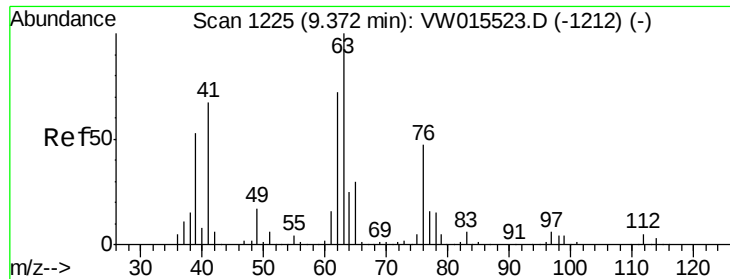
95 95.6 0.0 204.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 20.741 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

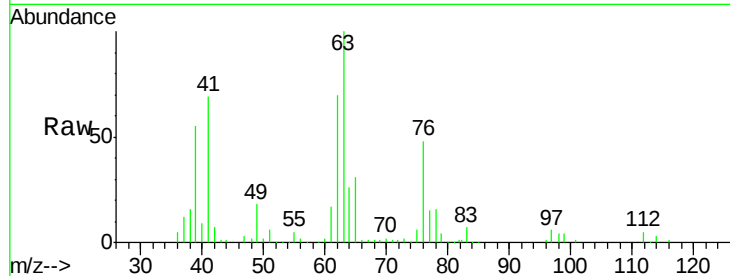
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 63 Resp: 49784

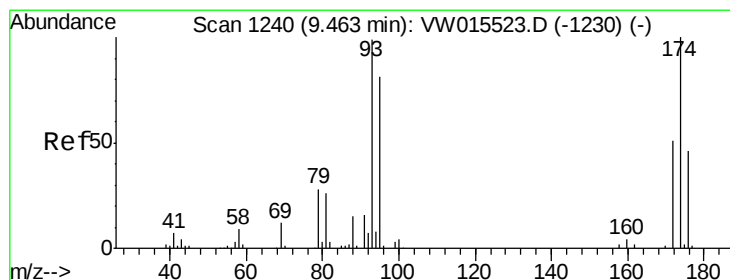
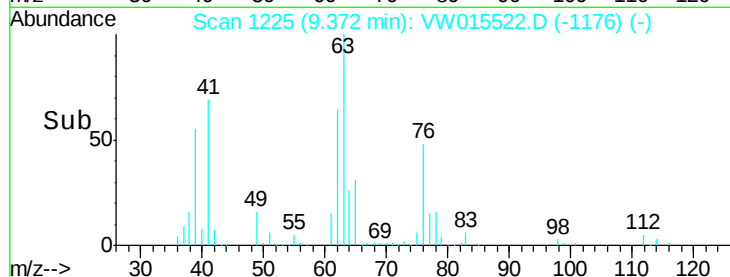
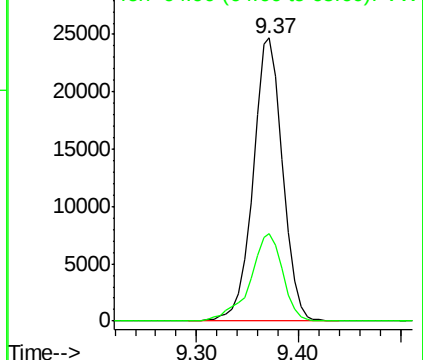
Ion Ratio Lower Upper

63 100

65 30.8 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 20.699 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

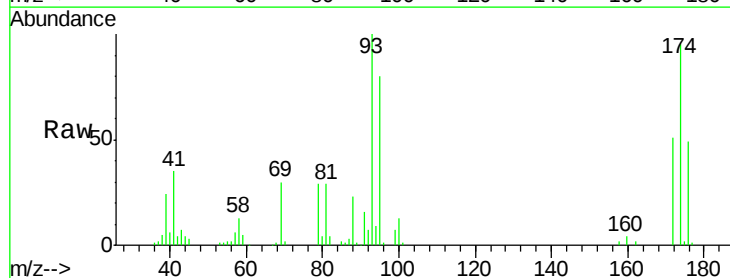
Tgt Ion: 93 Resp: 25014

Ion Ratio Lower Upper

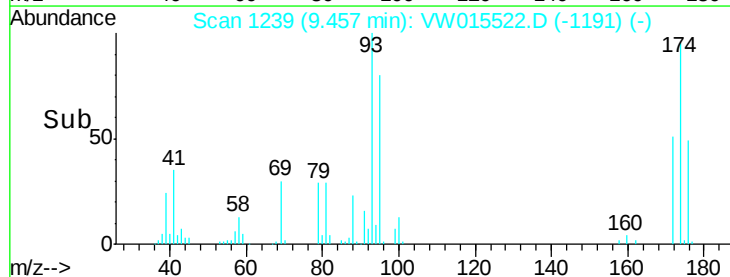
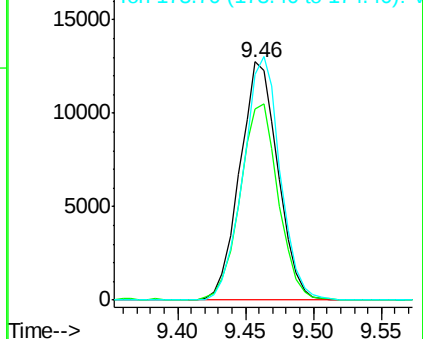
93 100

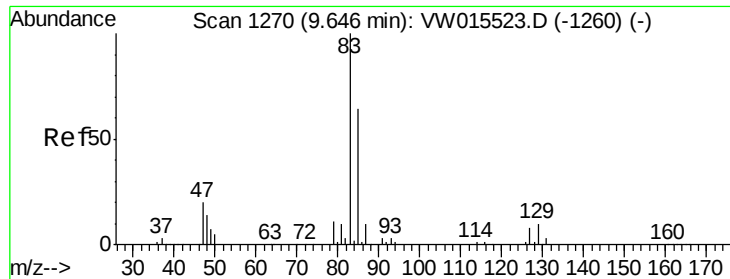
95 82.0 65.1 97.7

174 99.2 78.6 118.0



Abundance Ion 92.80 (92.50 to 93.50): VW
Ion 94.80 (94.50 to 95.50): VW
Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.100 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Instrument :

MSVOA_W

ClientSampled :

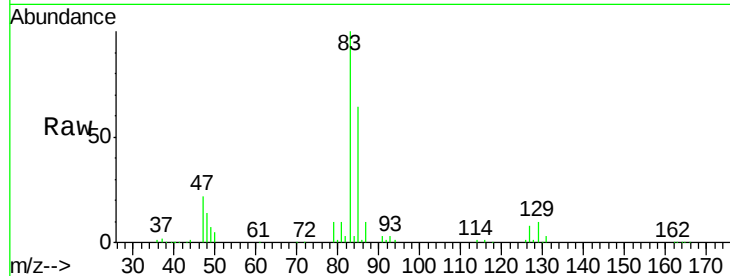
Tot Ion: 83 Resp: 68890

Ion Ratio Lower Upper

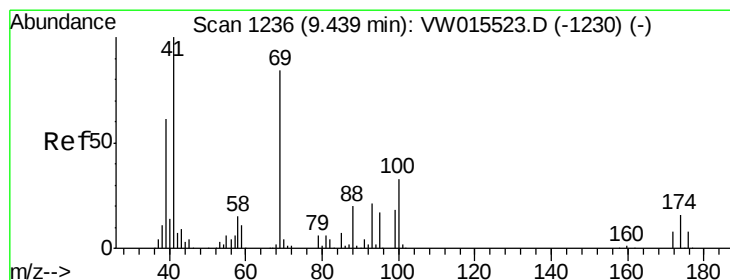
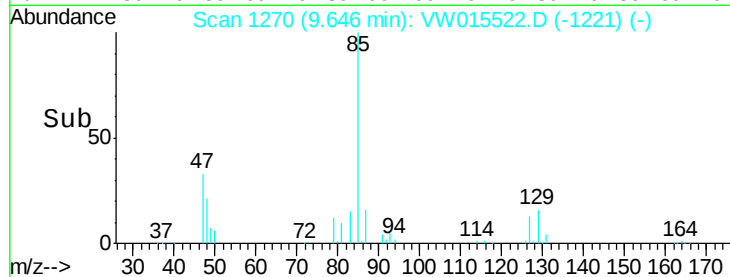
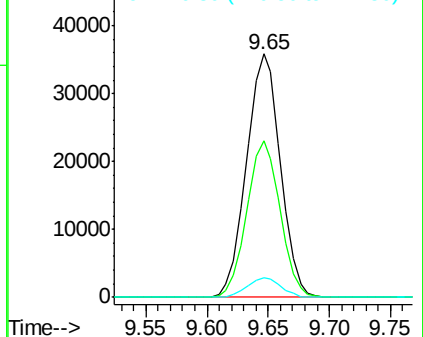
83 100

85 64.4 51.1 76.7

127 8.1 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): V



#48

Methyl methacrylate

Concen: 18.845 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

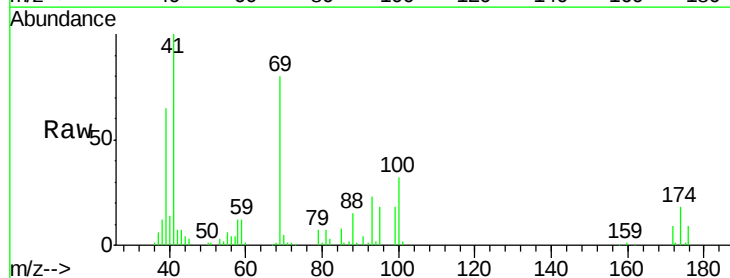
Tgt Ion: 41 Resp: 25468

Ion Ratio Lower Upper

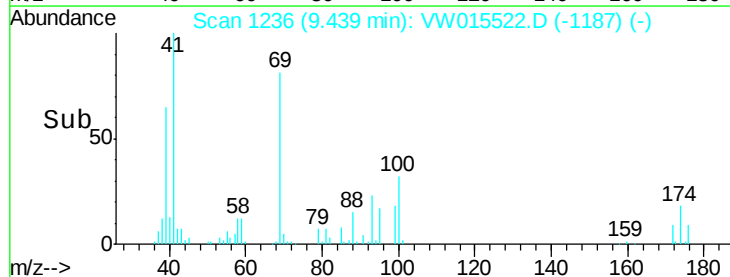
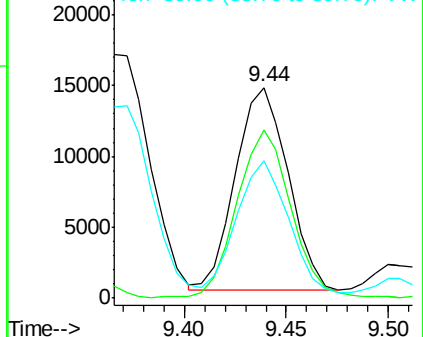
41 100

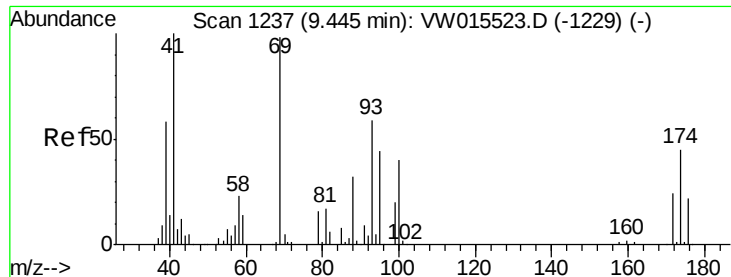
69 86.5 67.8 101.8

39 64.0 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: 405.733 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Instrument :
MSVOA_W
ClientSampled :

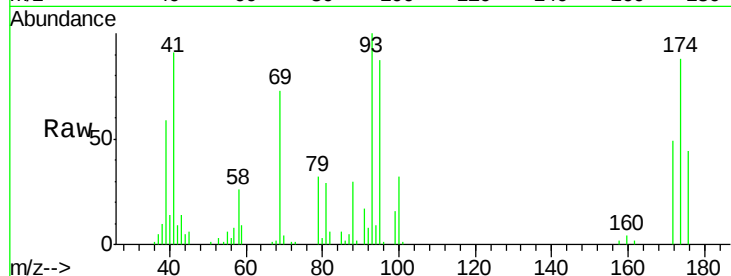
Tot Ion: 88 Resp: 6347

Ion Ratio Lower Upper

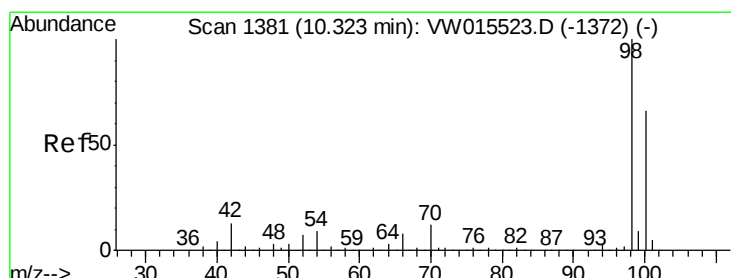
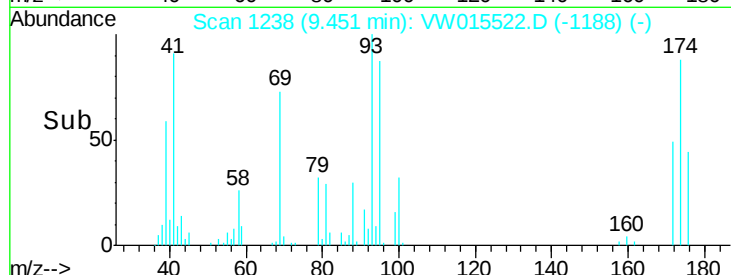
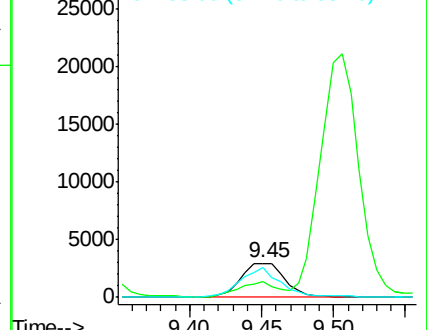
88 100

43 42.7 27.9 41.9#

58 80.6 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: 20.523 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW015522.D

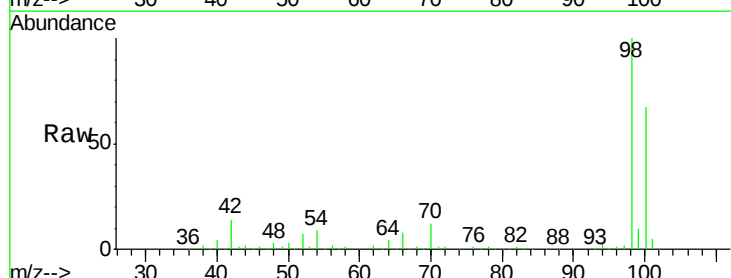
Acq: 02 Jun 2020 12:13

Tgt Ion: 98 Resp: 173442

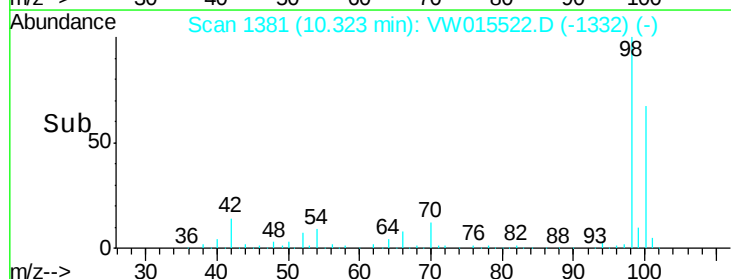
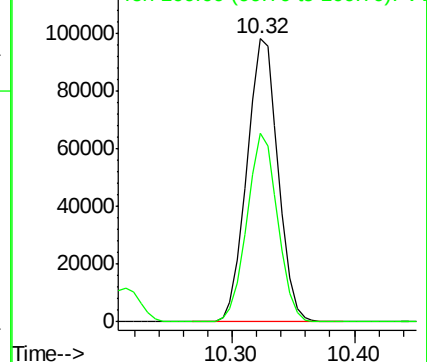
Ion Ratio Lower Upper

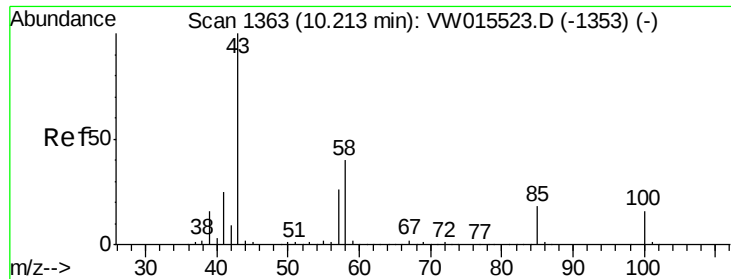
98 100

100 65.5 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: 97.245 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Instrument :

MSVOA_W

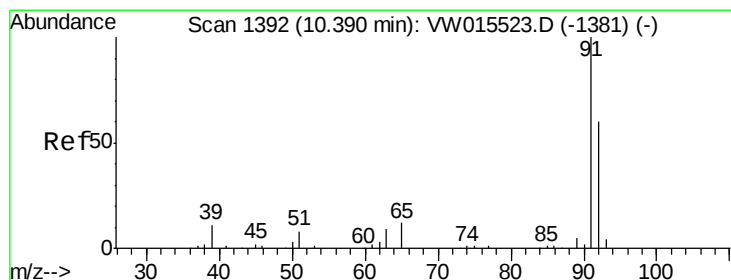
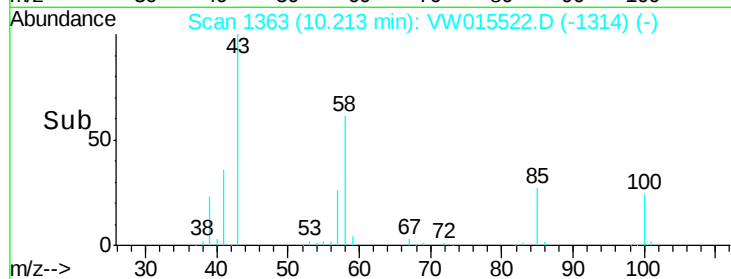
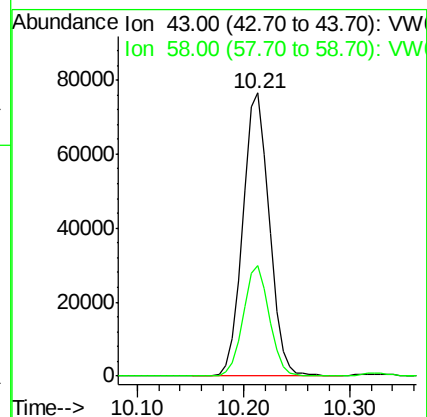
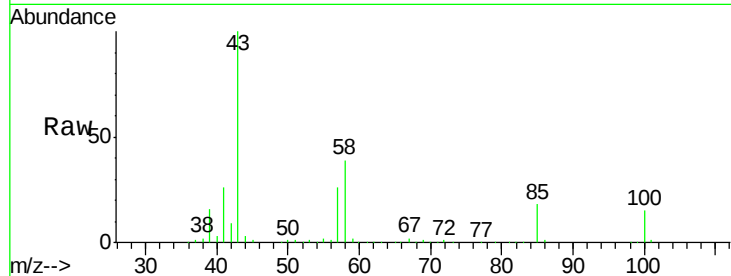
ClientSampleId :

Tot Ion: 43 Resp: 134119

Ion Ratio Lower Upper

43 100

58 38.2 31.4 47.0



#52

Toluene

Concen: 21.067 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015522.D

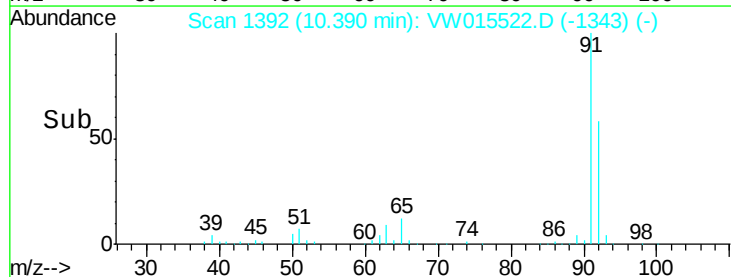
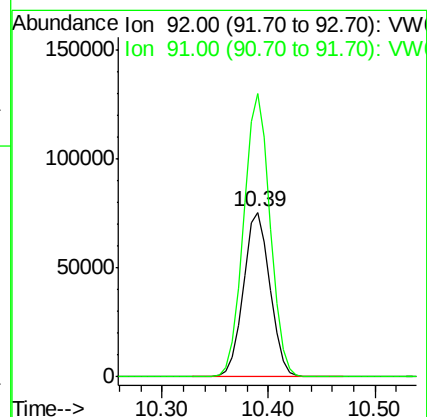
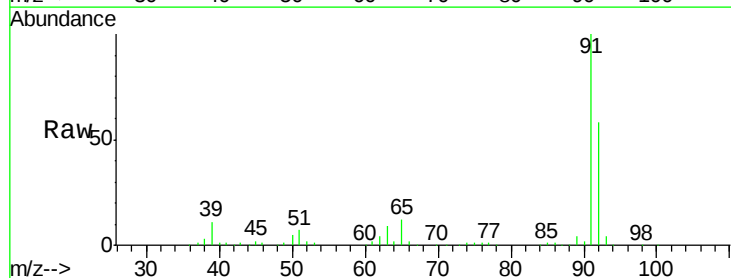
Acq: 02 Jun 2020 12:13

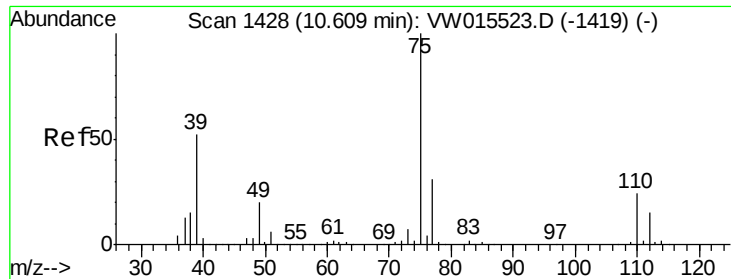
Tgt Ion: 92 Resp: 132654

Ion Ratio Lower Upper

92 100

91 170.7 136.5 204.7

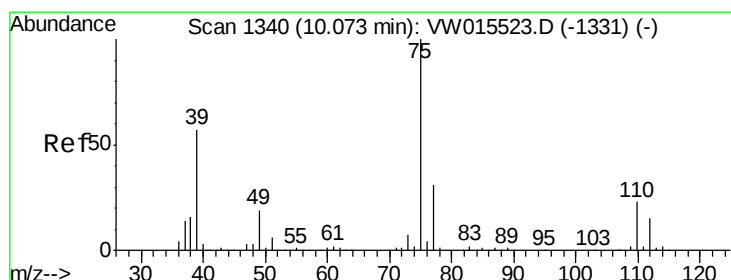
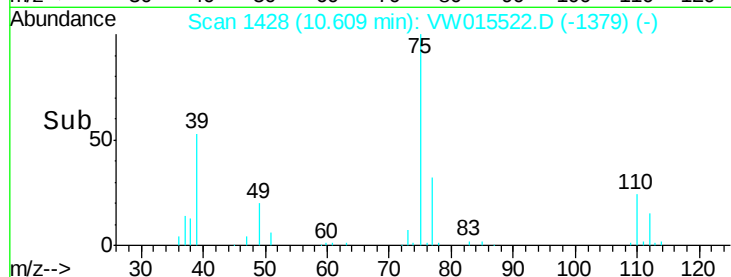
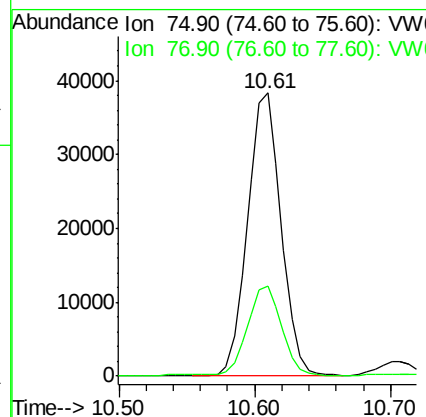
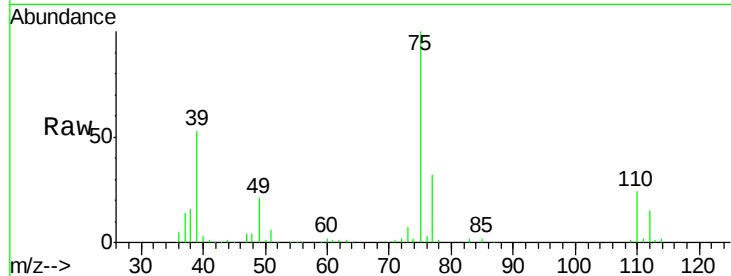




#53
 t-1,3-Dichloropropene
 Concen: 19.817 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW015522.D
 Acq: 02 Jun 2020 12:13

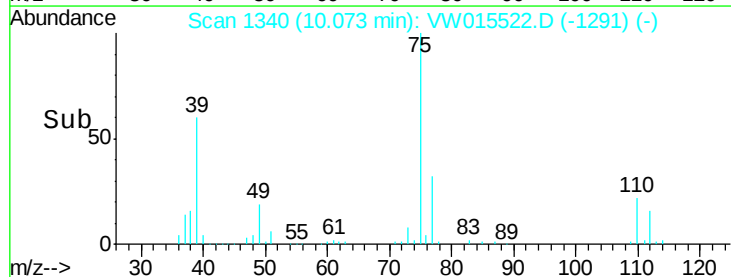
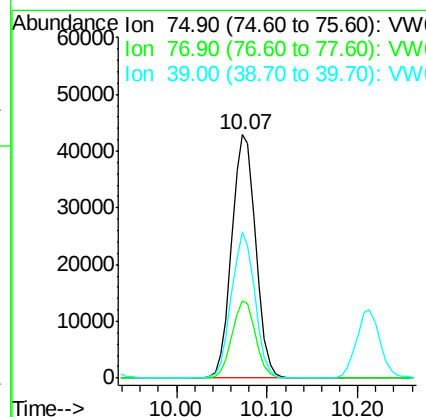
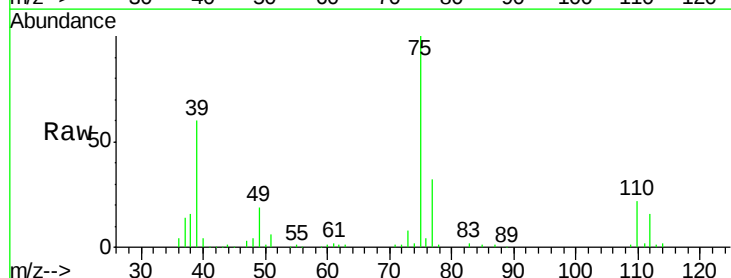
Instrument :
 MSVOA_W
 ClientSampleId :

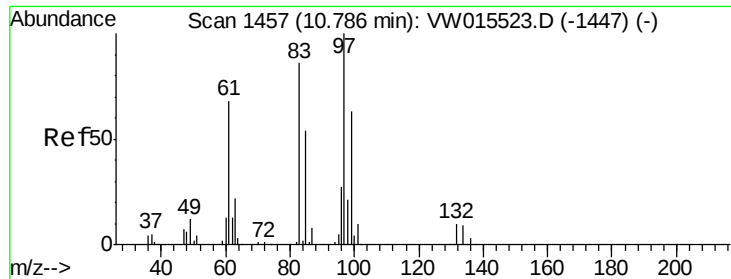
Tot Ion: 75 Resp: 66089
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.0 37.4



#54
 cis-1,3-Dichloropropene
 Concen: 20.121 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015522.D
 Acq: 02 Jun 2020 12:13

Tgt Ion: 75 Resp: 78596
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.9 37.3
 39 60.1 45.4 68.2





#55

1,1,2-Trichloroethane

Concen: 20.715 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

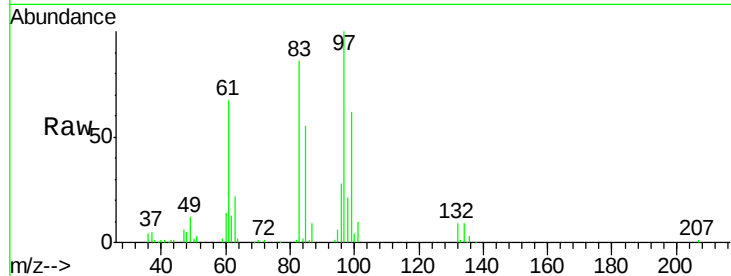
Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 97 Resp: 35321

Ion	Ratio	Lower	Upper
97	100		
83	86.2	68.6	102.8
85	54.4	43.2	64.8
99	61.8	50.5	75.7



Abundance

Ion 96.90 (96.60 to 97.60): VW

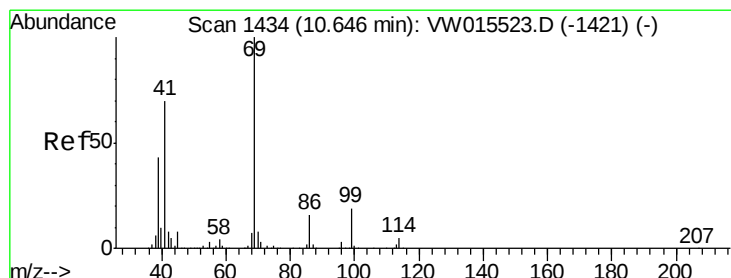
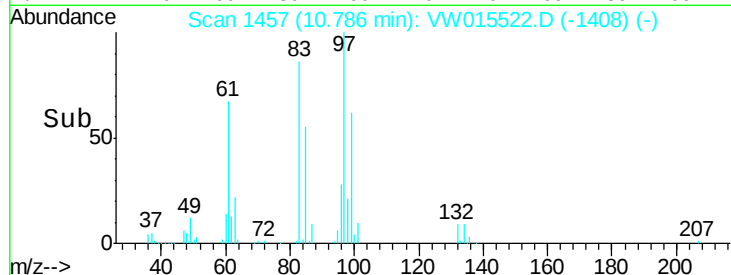
Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW

10.79

Time-->



#56

Ethyl methacrylate

Concen: 18.811 ug/l

RT: 10.65 min Scan# 1434

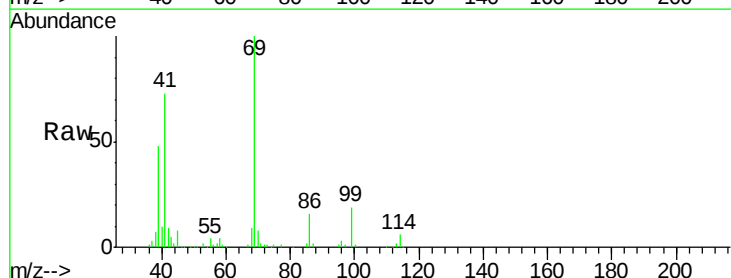
Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Tgt Ion: 69 Resp: 43810

Ion	Ratio	Lower	Upper
69	100		
41	71.8	56.2	84.4
39	43.2	33.3	49.9



Abundance

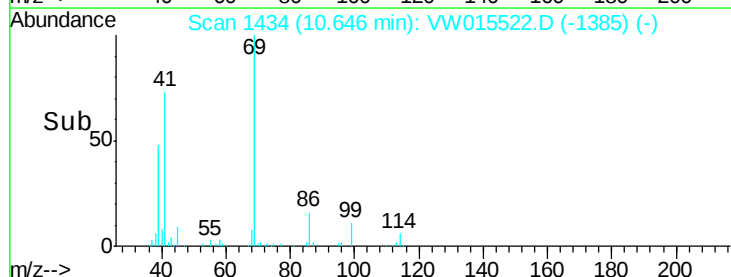
Ion 69.00 (68.70 to 69.70): VW

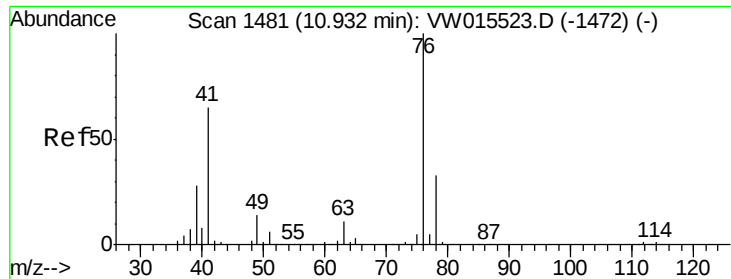
Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

10.65

Time-->

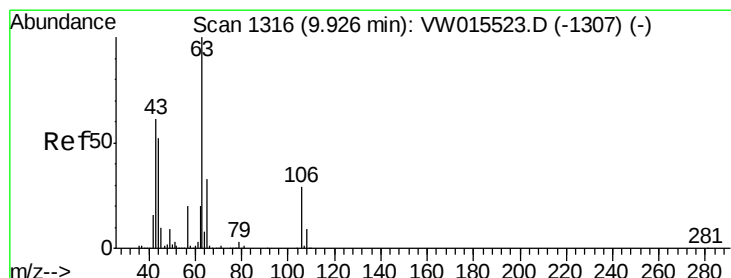
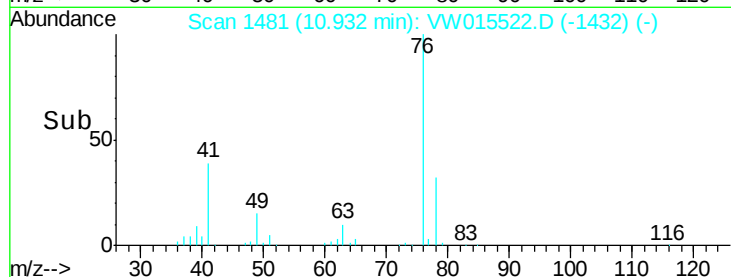
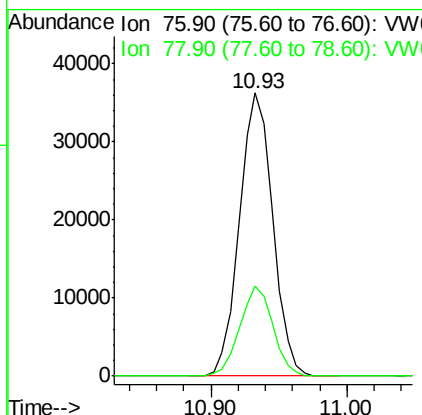
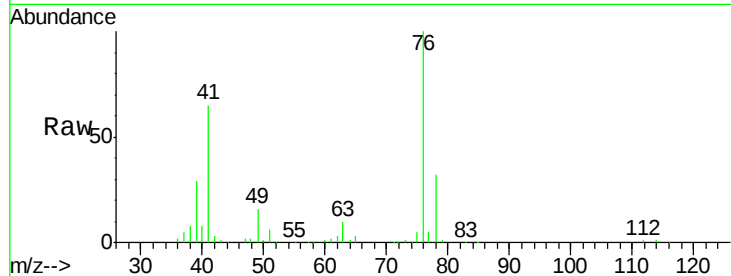




#57
 1,3-Dichloropropane
 Concen: 20.322 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015522.D
 Acq: 02 Jun 2020 12:13

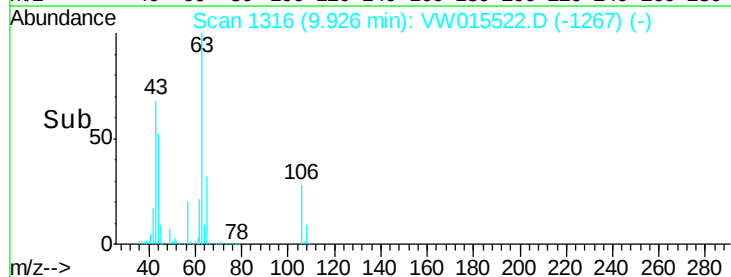
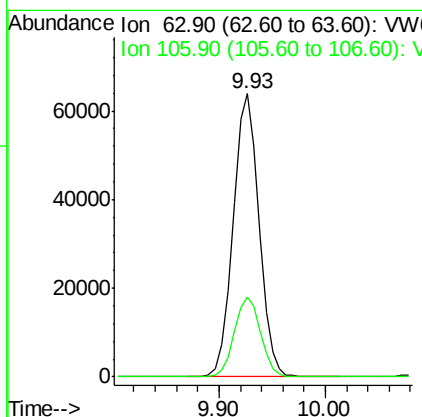
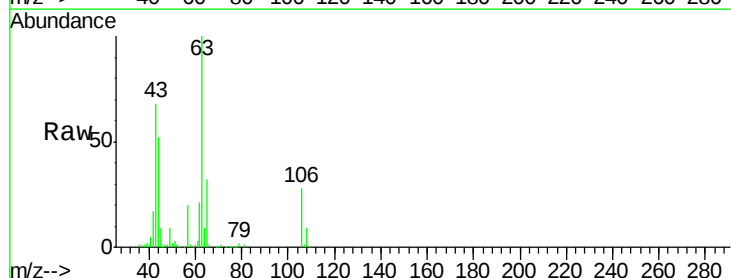
Instrument :
 MSVOA_W
 ClientSampled :

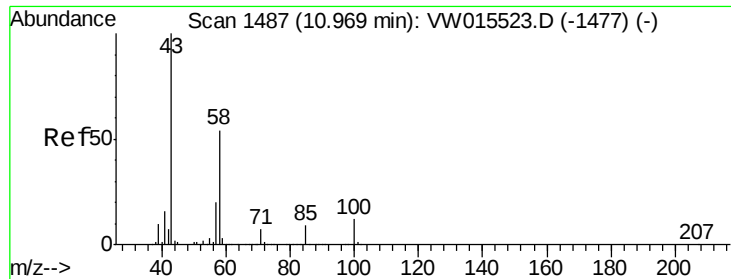
Tot Ion: 76 Resp: 62033
 Ion Ratio Lower Upper
 76 100
 78 31.7 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.211 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW015522.D
 Acq: 02 Jun 2020 12:13

Tgt Ion: 63 Resp: 108881
 Ion Ratio Lower Upper
 63 100
 106 28.8 22.9 34.3

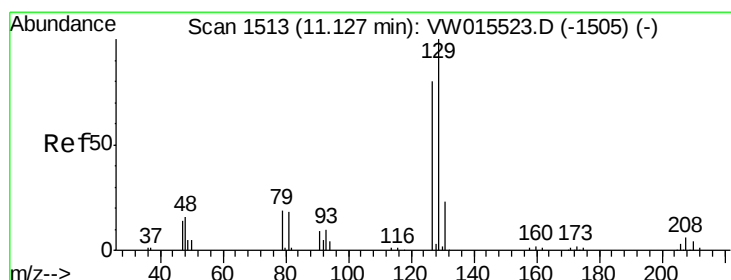
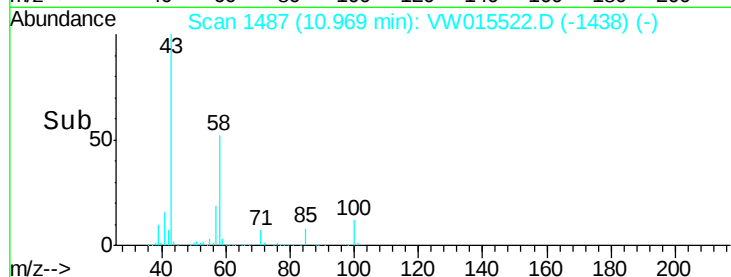
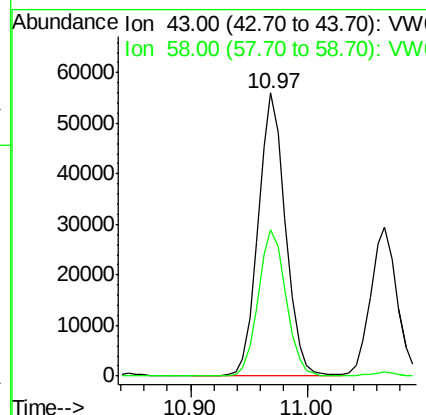
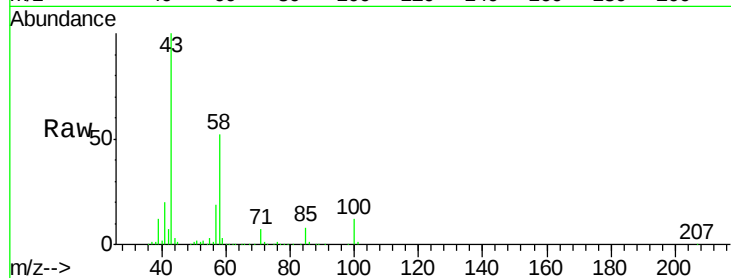




#59
2-Hexanone
Concen: 96.922 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

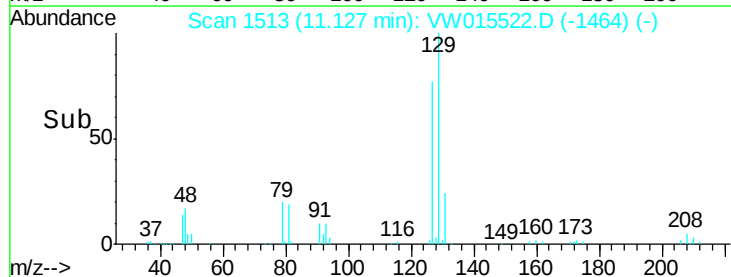
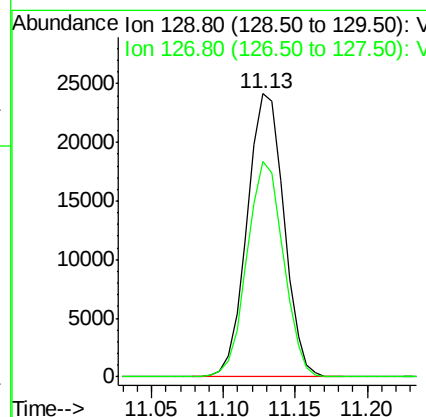
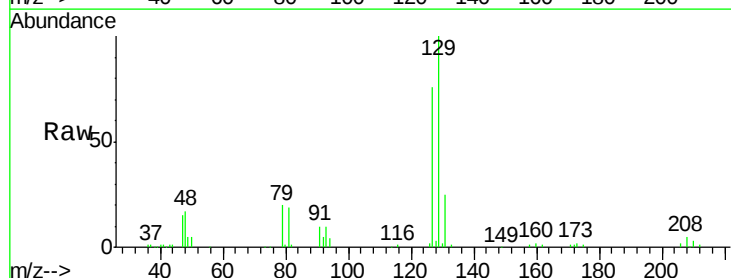
Instrument :
MSVOA_W
ClientSampleId :

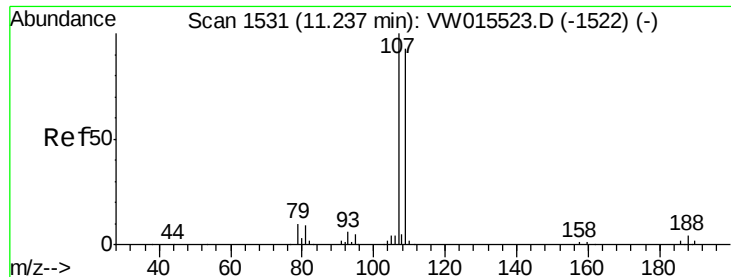
Tot Ion: 43 Resp: 91458
Ion Ratio Lower Upper
43 100
58 52.6 26.8 80.3



#60
Dibromochloromethane
Concen: 20.806 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Tgt Ion: 129 Resp: 42754
Ion Ratio Lower Upper
129 100
127 75.0 38.4 115.2

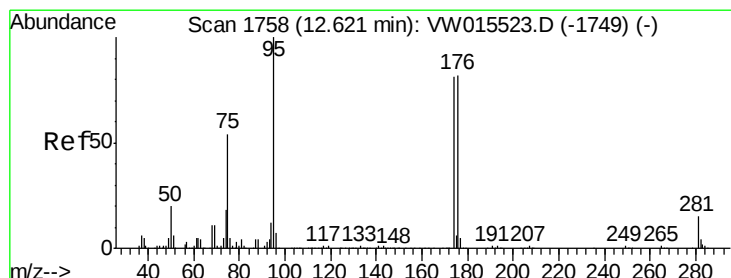
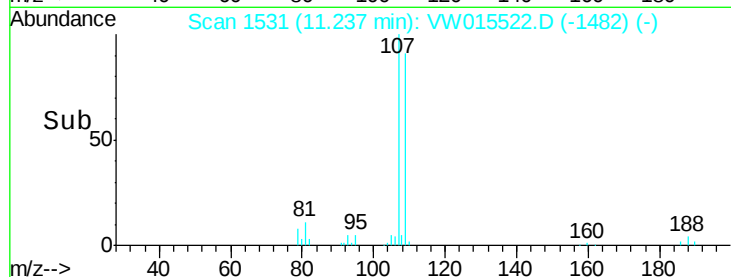
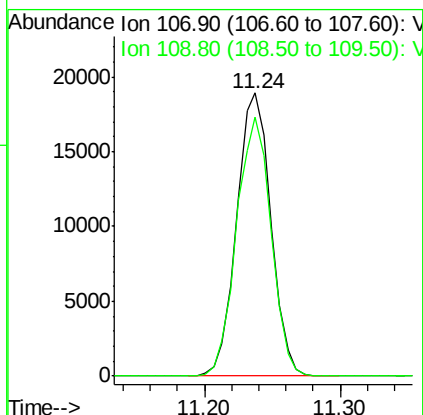
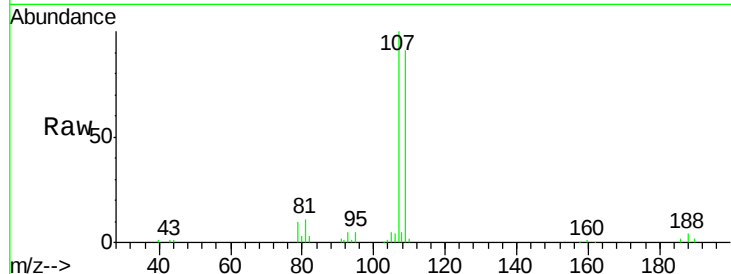




#61
 1,2-Dibromoethane
 Concen: 20.544 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW015522.D
 Acq: 02 Jun 2020 12:13

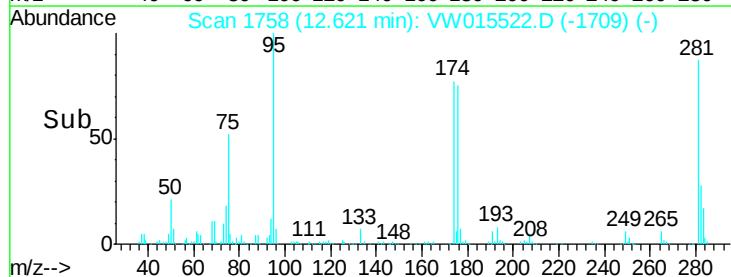
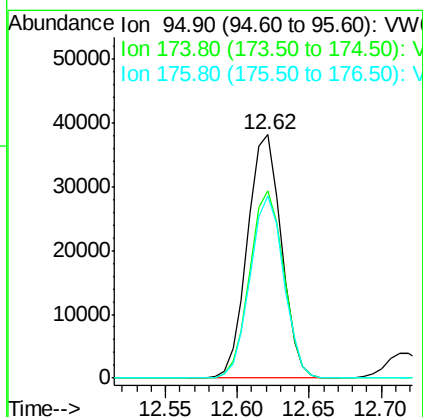
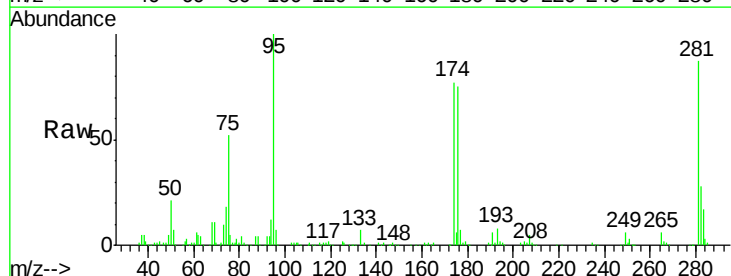
Instrument :
 MSVOA_W
 ClientSampleId :

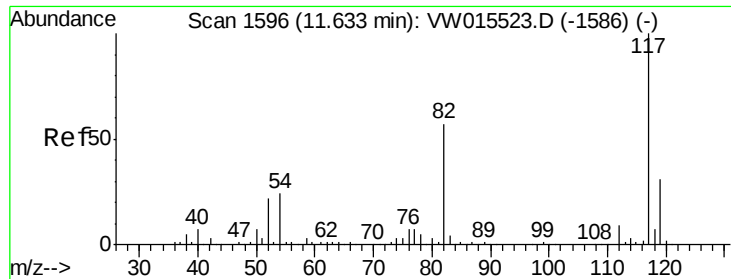
Tot Ion: 107 Resp: 33205
 Ion Ratio Lower Upper
 107 100
 109 92.5 74.6 111.8



#62
 4-Bromofluorobenzene
 Concen: 19.931 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW015522.D
 Acq: 02 Jun 2020 12:13

Tgt Ion: 95 Resp: 62216
 Ion Ratio Lower Upper
 95 100
 174 77.1 0.0 153.6
 176 74.0 0.0 152.8

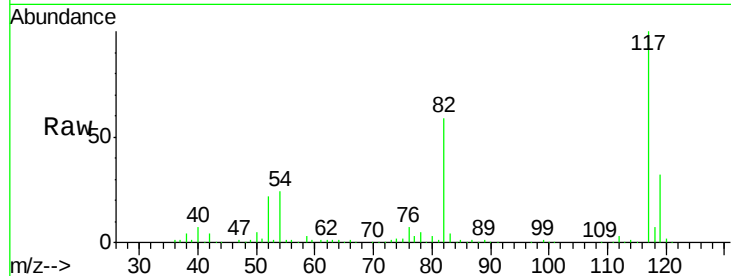




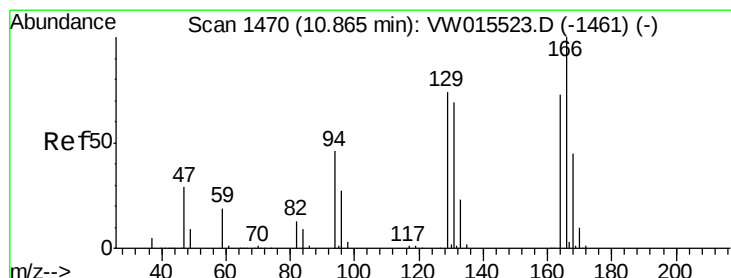
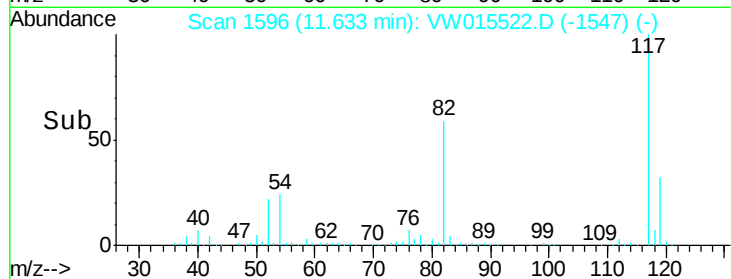
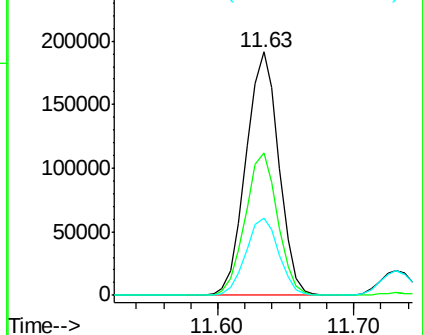
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 323927
Ion Ratio Lower Upper
117 100
82 58.5 45.8 68.8
119 31.6 24.7 37.1

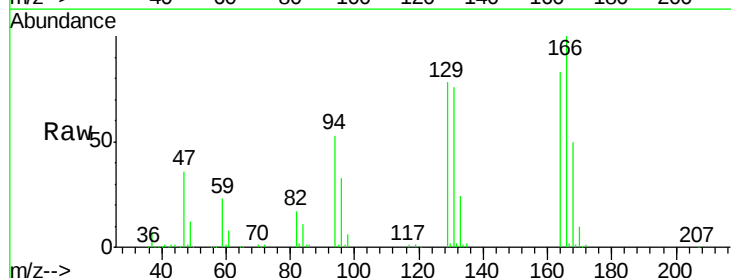


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

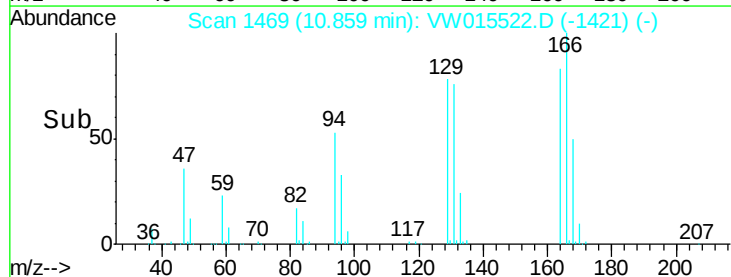
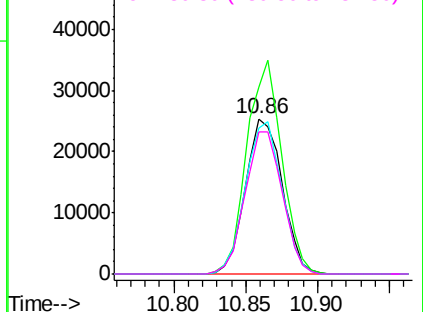


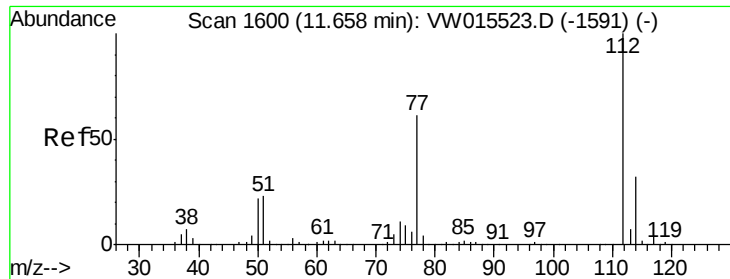
#64
Tetrachloroethene
Concen: 22.273 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Tgt Ion:164 Resp: 44801
Ion Ratio Lower Upper
164 100
166 120.5 109.0 163.6
129 94.0 81.0 121.4
131 91.5 74.8 112.2



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

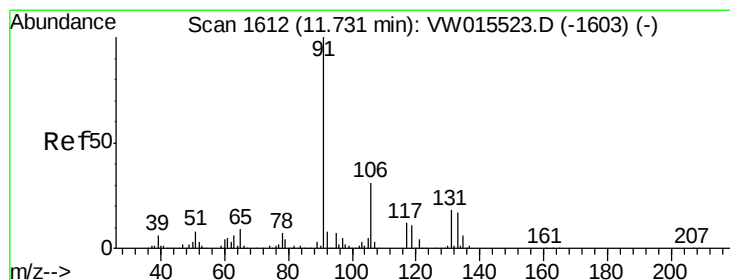
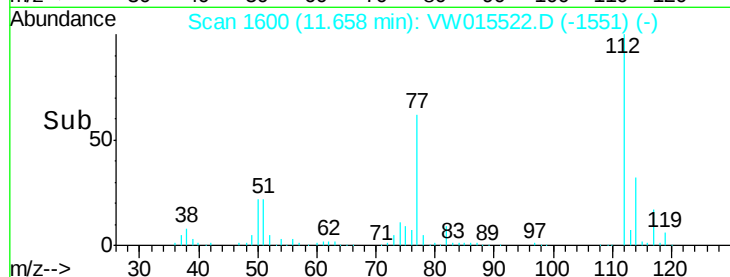
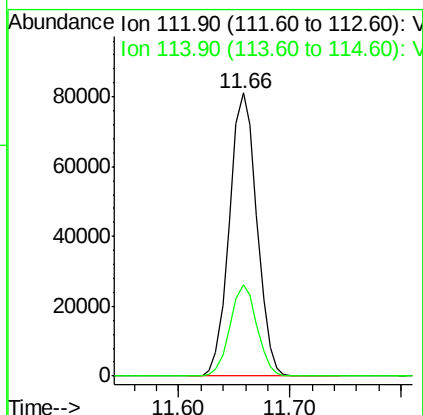
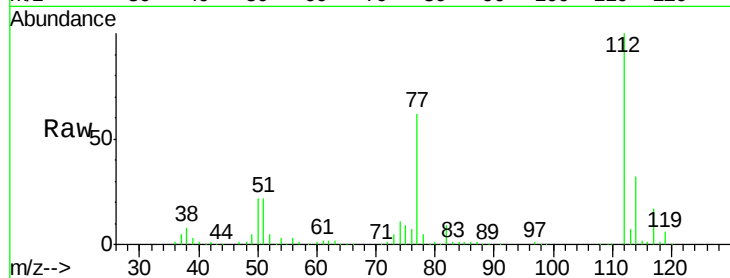




#65
Chlorobenzene
Concen: 21.361 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

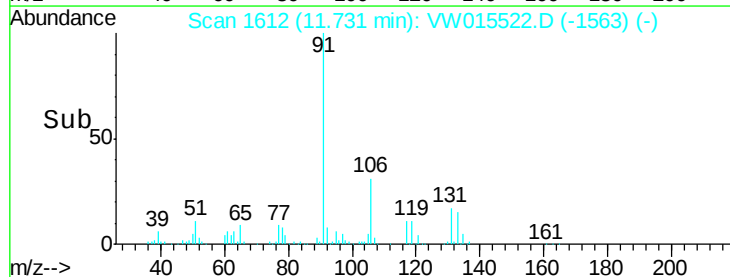
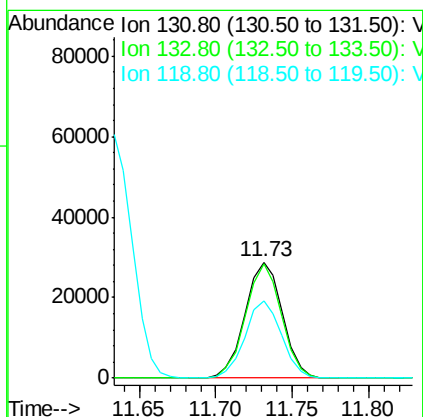
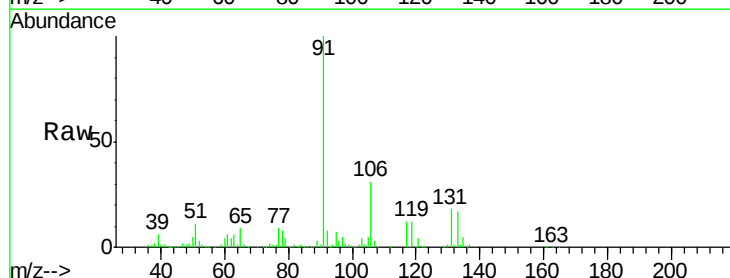
Instrument :
MSVOA_W
ClientSampled :

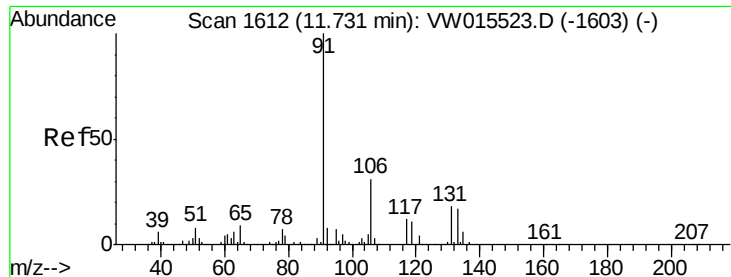
Tot Ion:112 Resp: 138342
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.173 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Tgt Ion:131 Resp: 48719
Ion Ratio Lower Upper
131 100
133 95.0 48.3 144.8
119 65.3 32.5 97.5

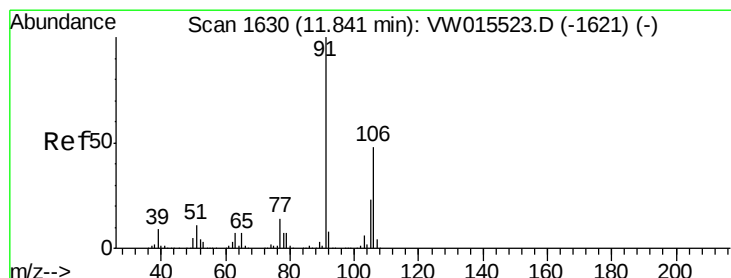
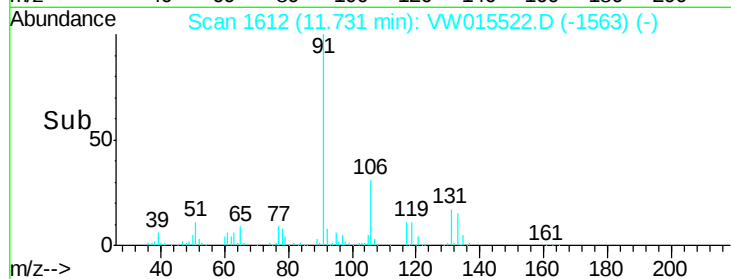
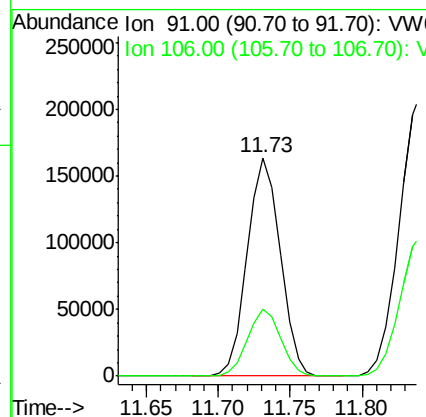
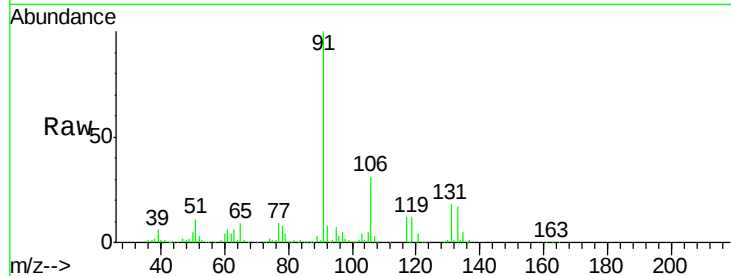




#67
Ethyl Benzene
Concen: 21.035 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

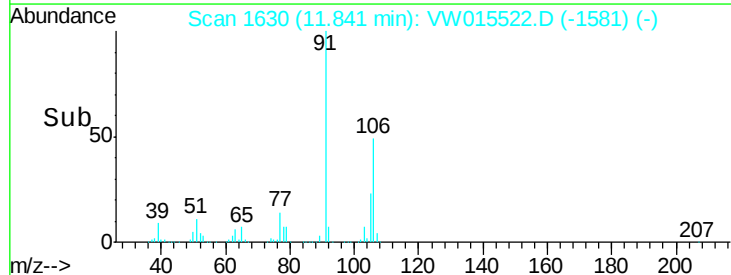
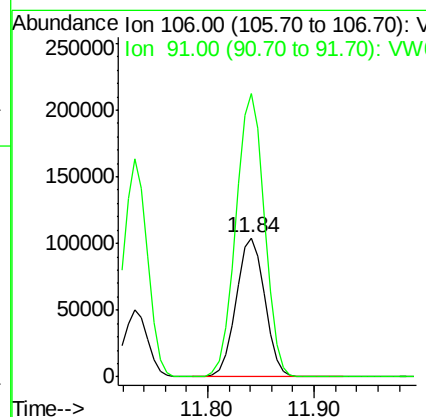
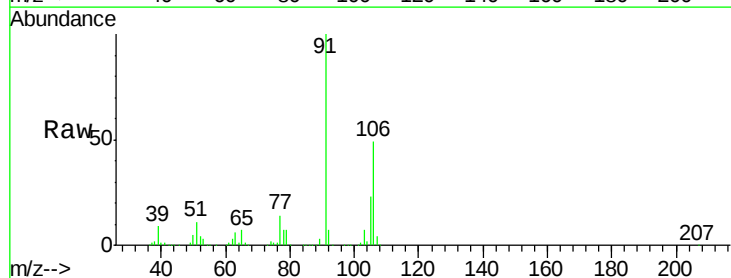
Instrument :
MSVOA_W
ClientSampled :

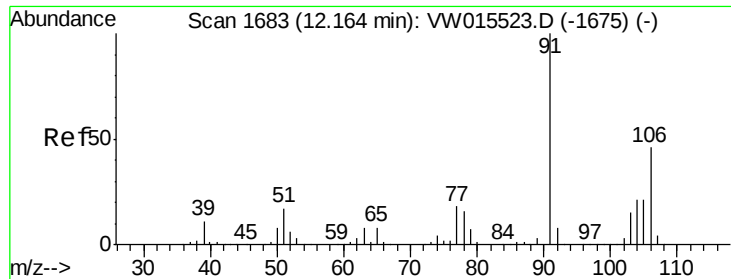
Tot Ion: 91 Resp: 260195
Ion Ratio Lower Upper
91 100
106 30.5 24.5 36.7



#68
m/p-Xylenes
Concen: 42.712 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Tgt Ion: 106 Resp: 196687
Ion Ratio Lower Upper
106 100
91 203.0 163.5 245.3

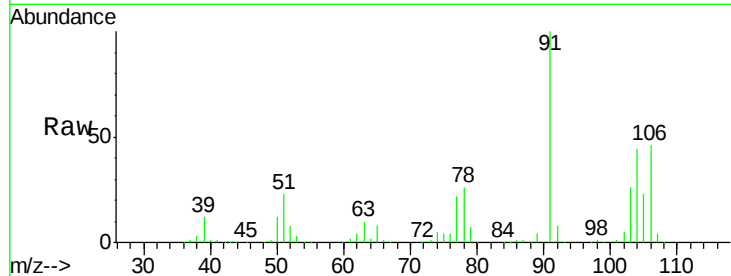




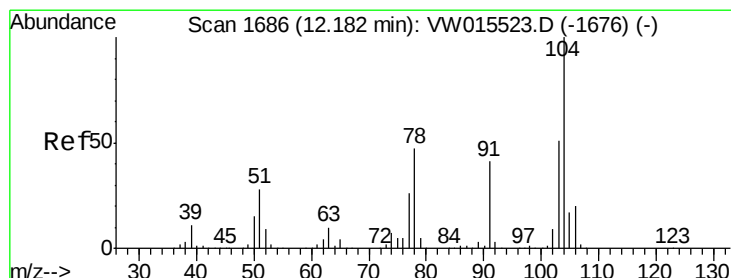
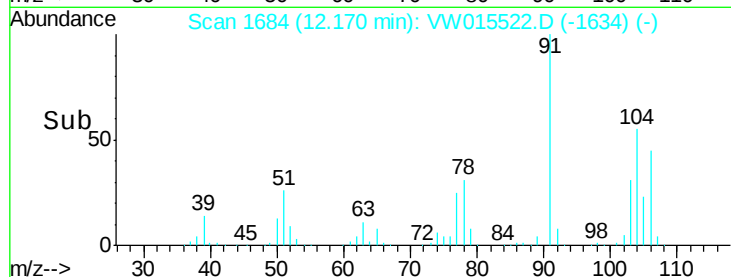
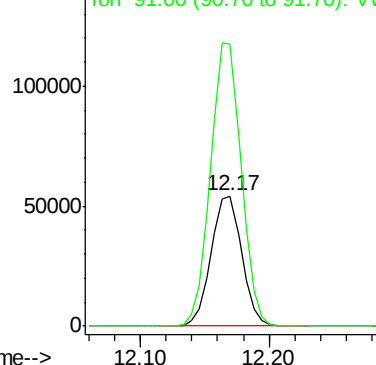
#69
o-Xylene
Concen: 20.552 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 88800
Ion Ratio Lower Upper
106 100
91 219.0 107.8 323.4

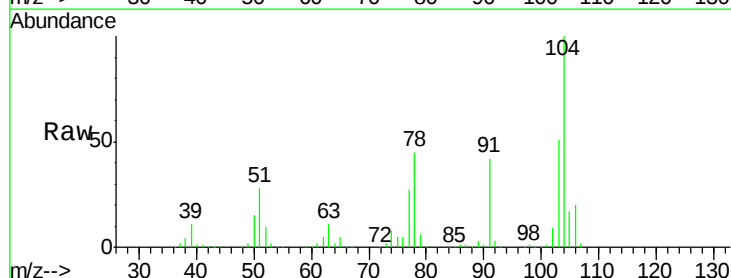


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV

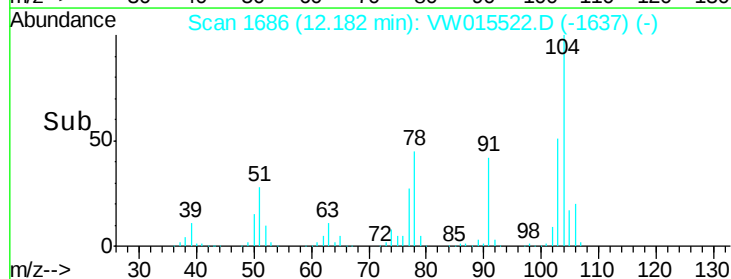
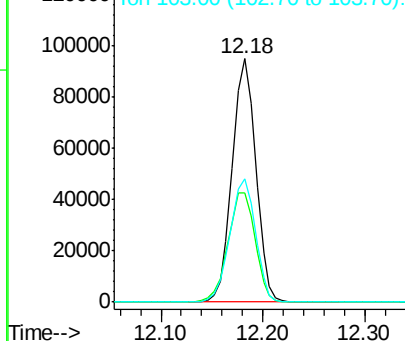


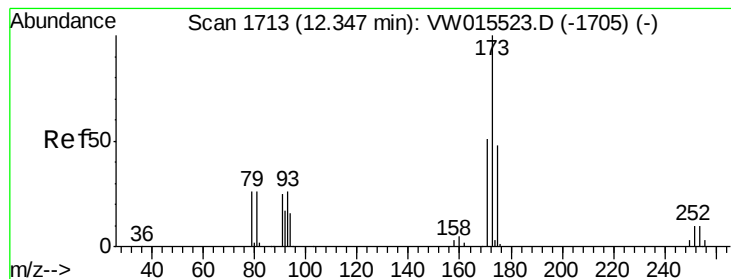
#70
Styrene
Concen: 20.442 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Tgt Ion:104 Resp: 152055
Ion Ratio Lower Upper
104 100
78 51.6 41.7 62.5
103 55.2 43.8 65.8



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





#71

Bromoform

Concen: 20.253 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

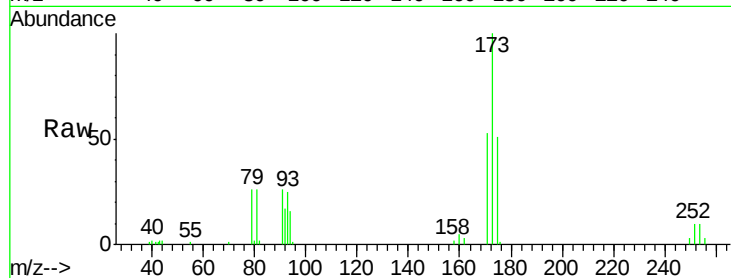
Tot Ion:173 Resp: 22822

Ion Ratio Lower Upper

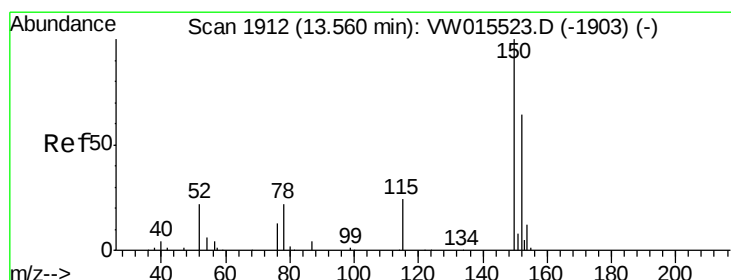
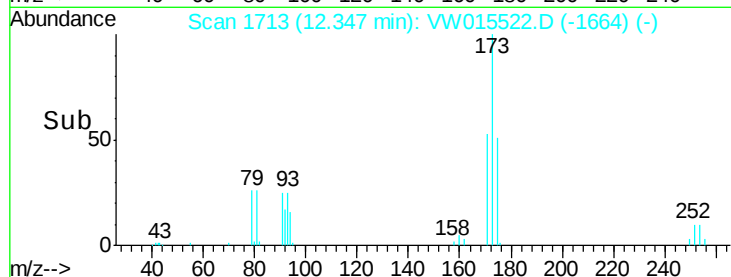
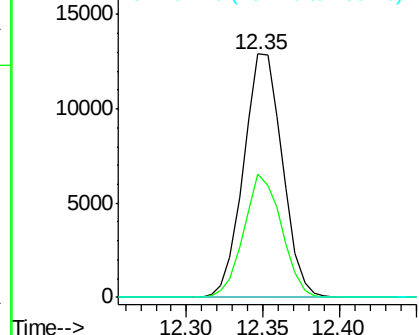
173 100

175 48.8 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: VW015522.D

Acq: 02 Jun 2020 12:13

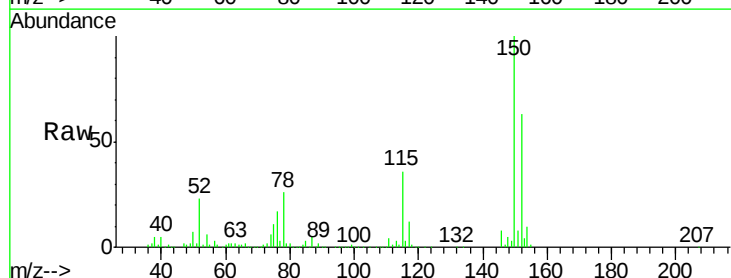
Tgt Ion:152 Resp: 163139

Ion Ratio Lower Upper

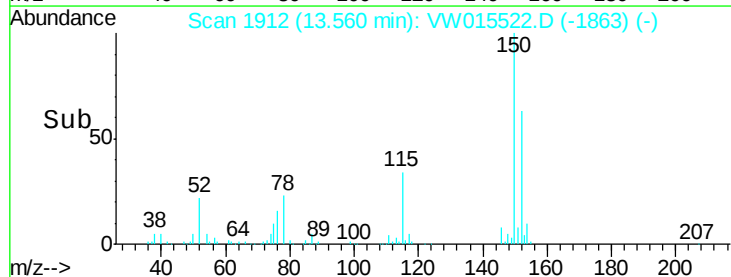
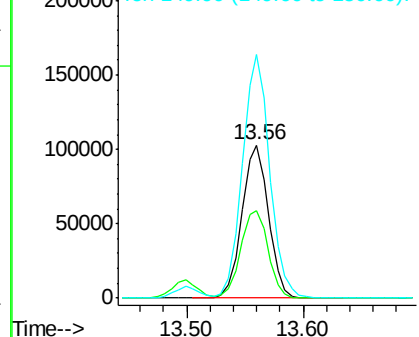
152 100

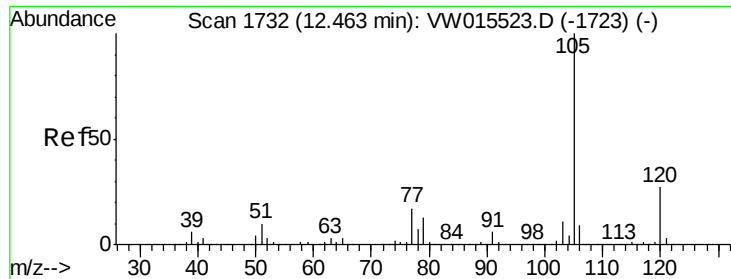
115 59.2 30.0 90.0

150 163.6 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: 20.625 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Instrument :

MSVOA_W

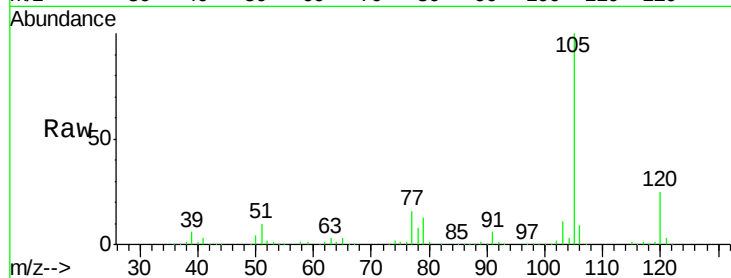
ClientSampleId :

Tot Ion:105 Resp: 254597

Ion Ratio Lower Upper

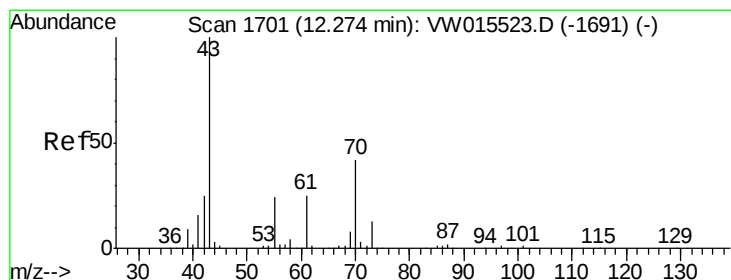
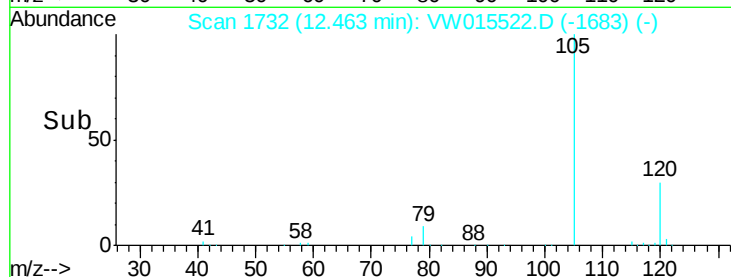
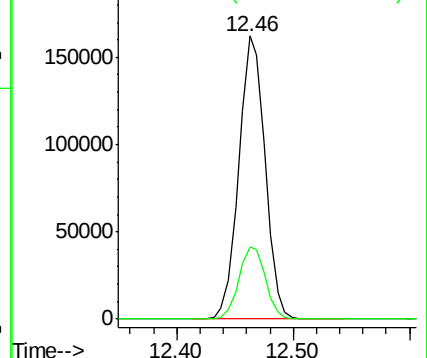
105 100

120 26.1 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.289 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Tgt Ion: 43 Resp: 53485

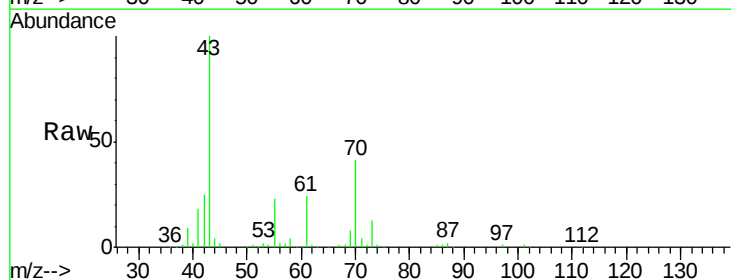
Ion Ratio Lower Upper

43 100

70 41.3 33.6 50.4

55 24.4 19.1 28.7

61 23.2 19.4 29.2

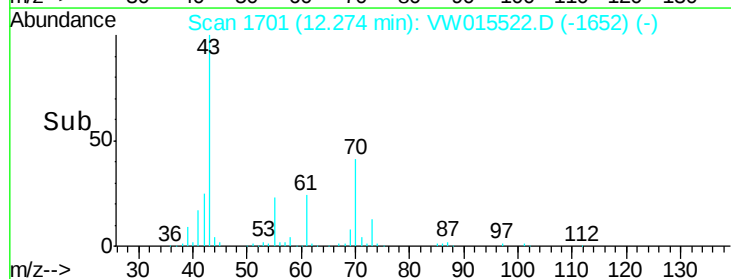
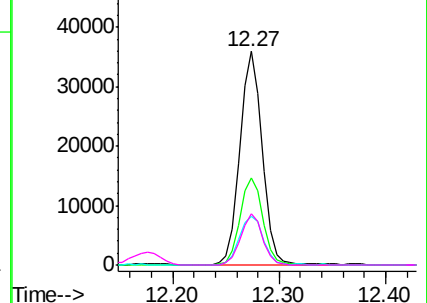


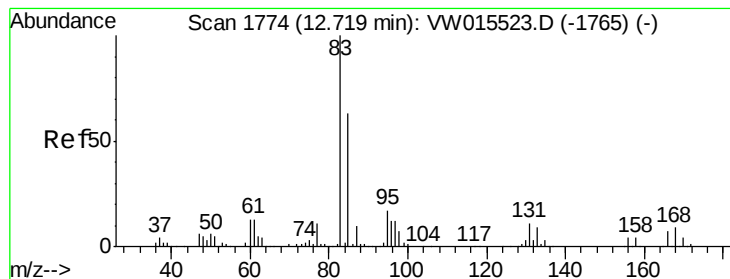
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 19.805 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Instrument :

MSVOA_W

ClientSampled :

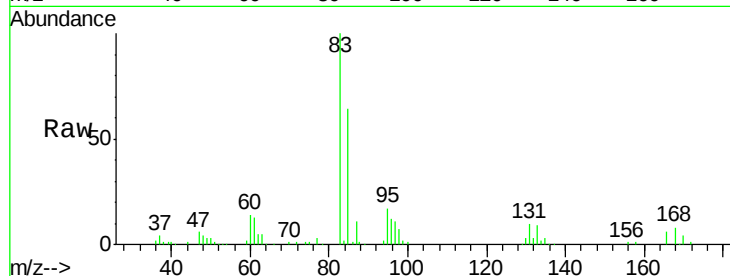
Tot Ion: 83 Resp: 38624

Ion Ratio Lower Upper

83 100

131 10.8 5.3 16.1

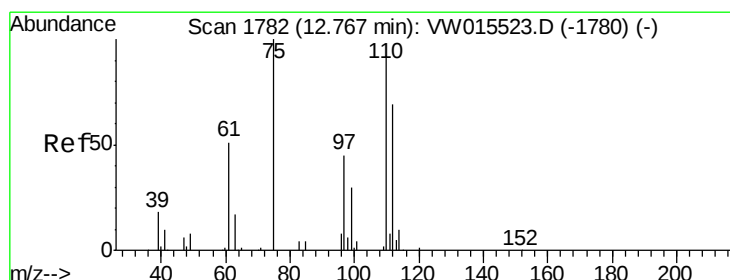
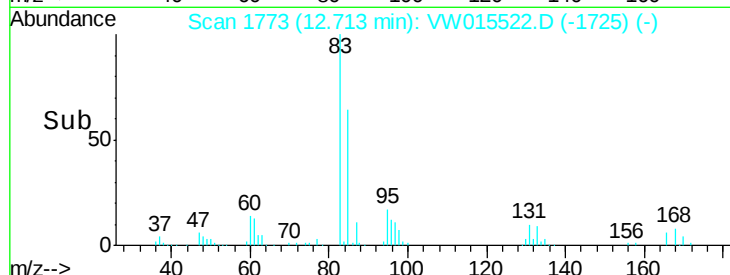
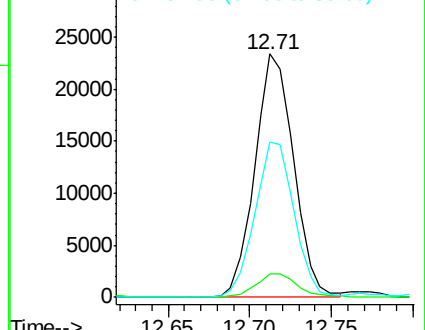
85 64.4 32.0 96.0



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: 38.619 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015522.D

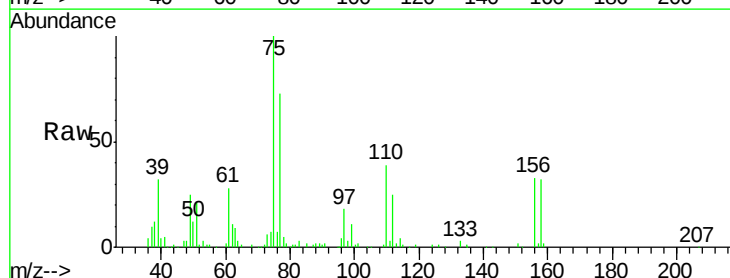
Acq: 02 Jun 2020 12:13

Tgt Ion: 75 Resp: 51873

Ion Ratio Lower Upper

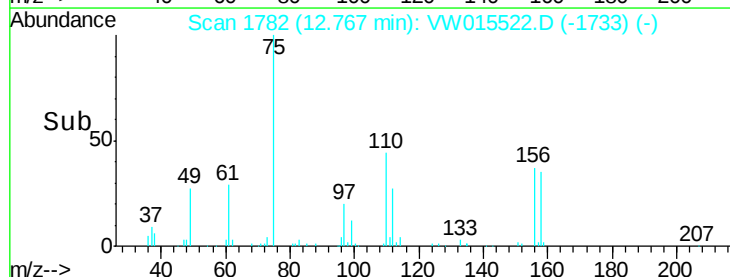
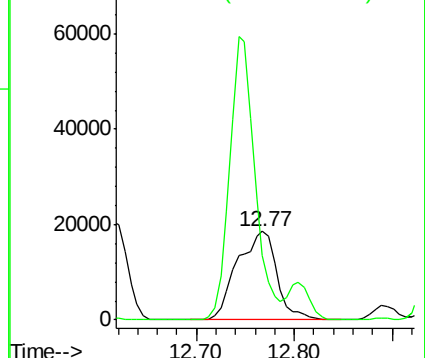
75 100

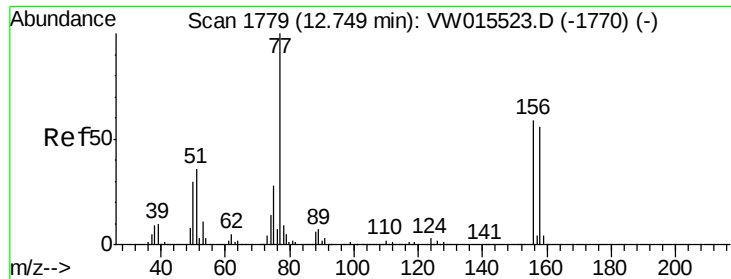
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

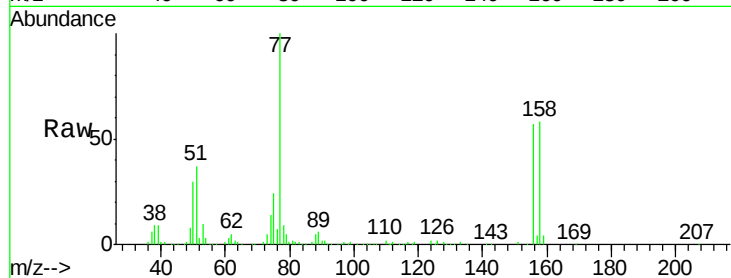




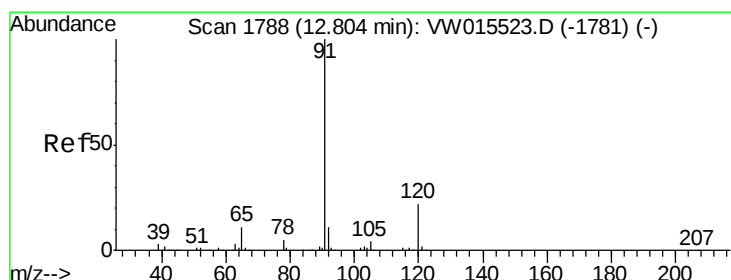
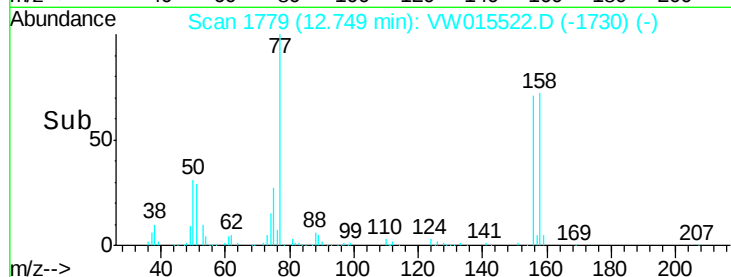
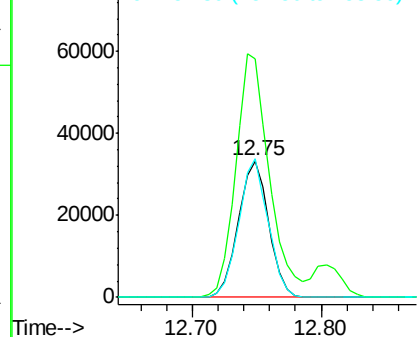
#77
Bromobenzene
Concen: 20.595 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:156 Resp: 54254
Ion Ratio Lower Upper
156 100
77 197.3 97.3 291.8
158 98.4 48.5 145.6

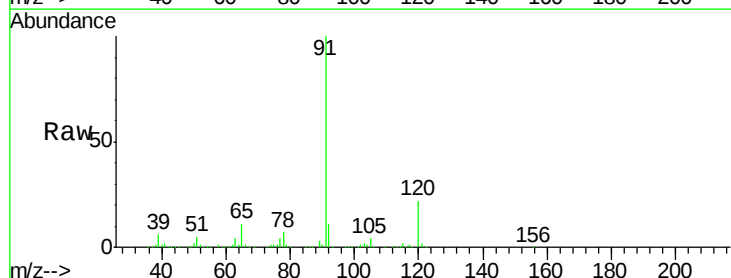


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VW
Ion 157.80 (157.50 to 158.50): V

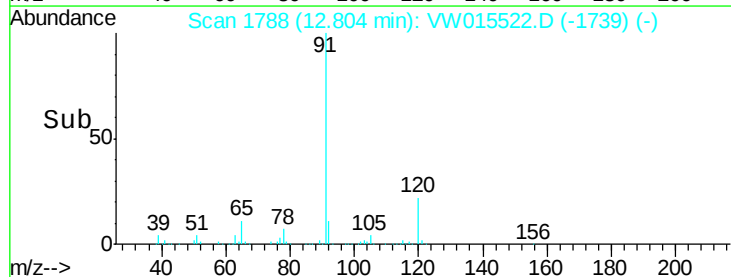
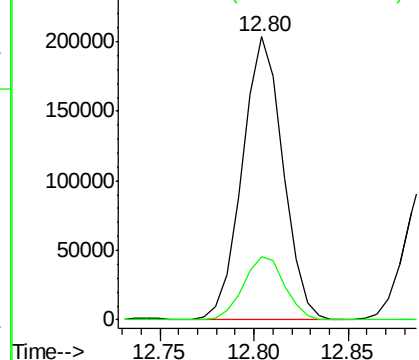


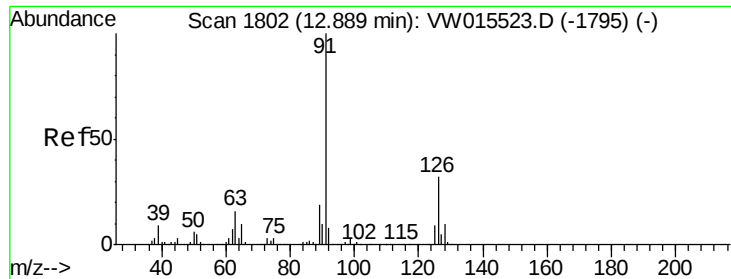
#78
n-propylbenzene
Concen: 20.548 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Tgt Ion: 91 Resp: 303901
Ion Ratio Lower Upper
91 100
120 22.8 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: 20.618 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Instrument :

MSVOA_W

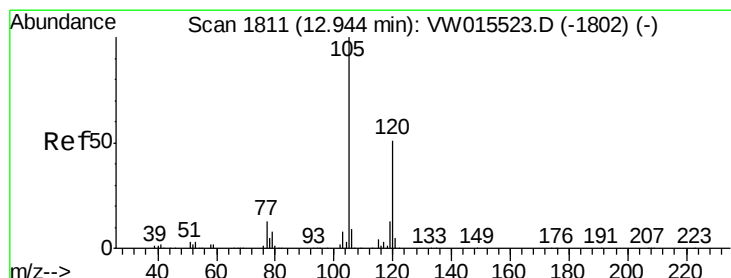
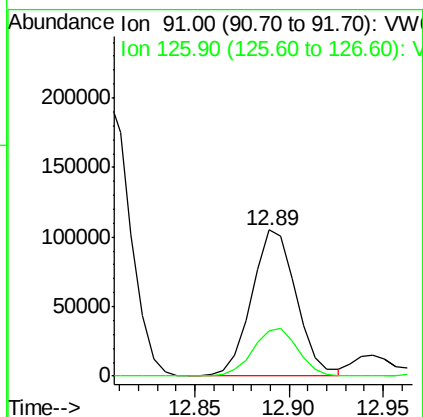
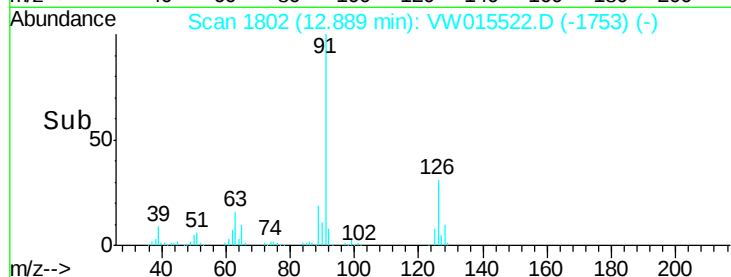
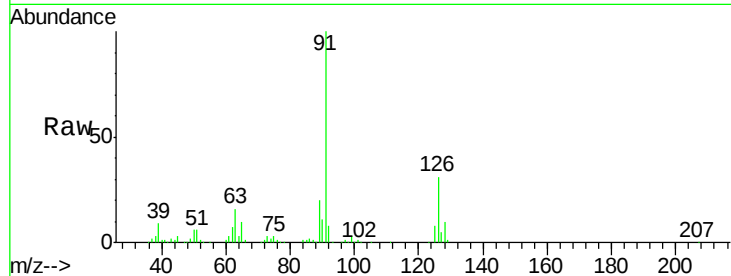
ClientSampled :

Tot Ion: 91 Resp: 172076

Ion Ratio Lower Upper

91 100

126 33.0 16.2 48.5



#80

1,3,5-Trimethylbenzene

Concen: 20.863 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015522.D

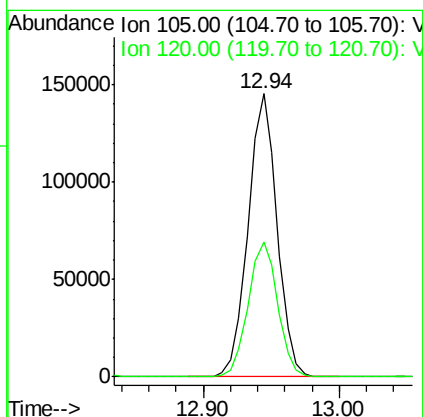
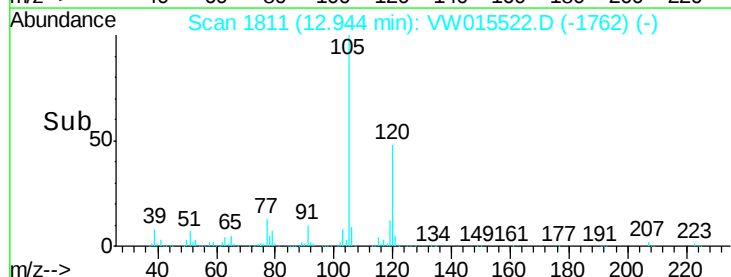
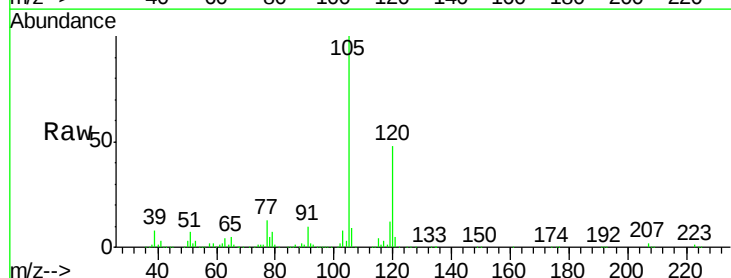
Acq: 02 Jun 2020 12:13

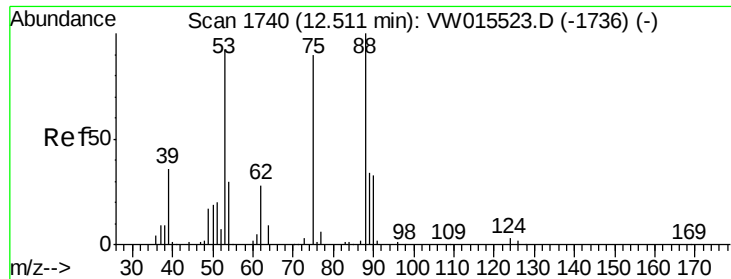
Tgt Ion:105 Resp: 216359

Ion Ratio Lower Upper

105 100

120 48.6 24.7 74.1

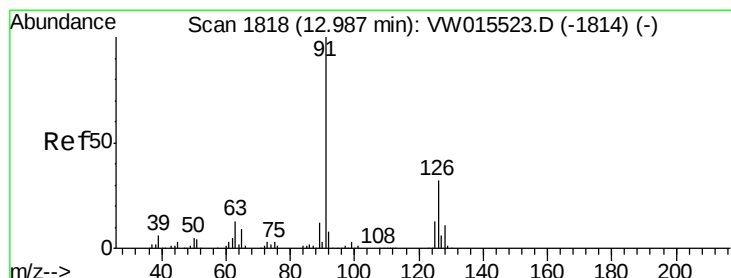
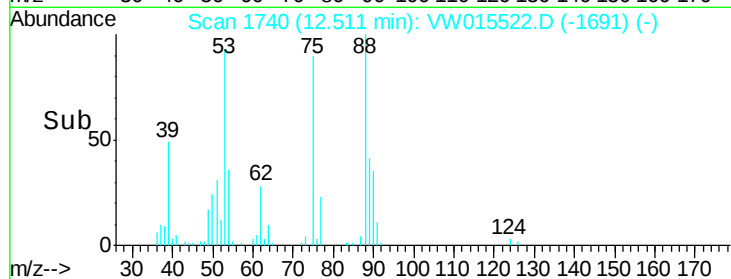
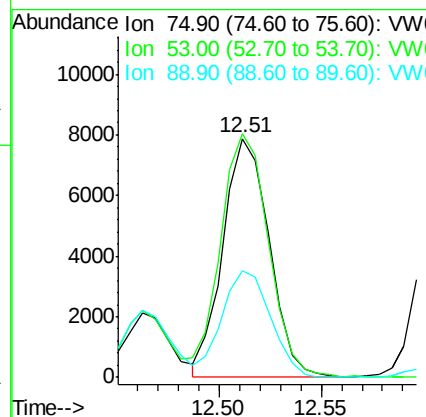
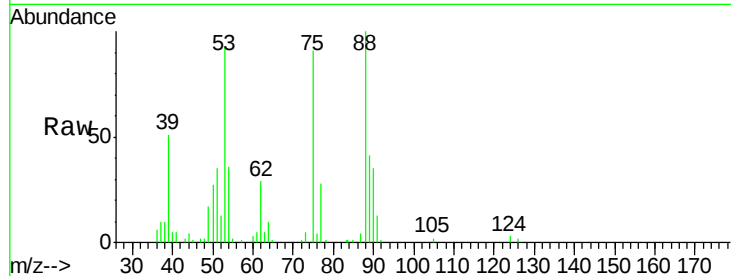




#81
trans-1,4-Dichloro-2-butene
Concen: 17.999 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

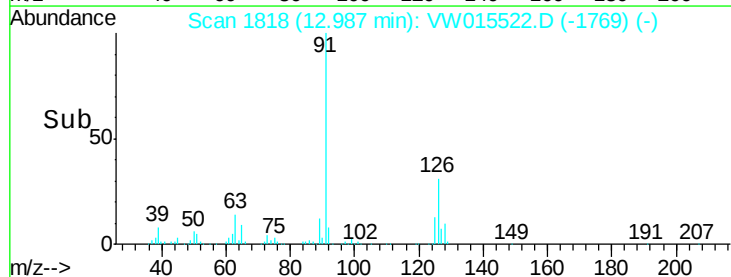
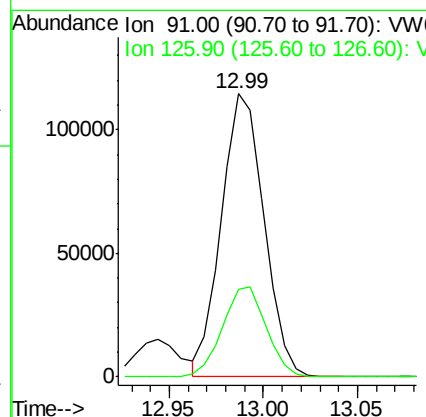
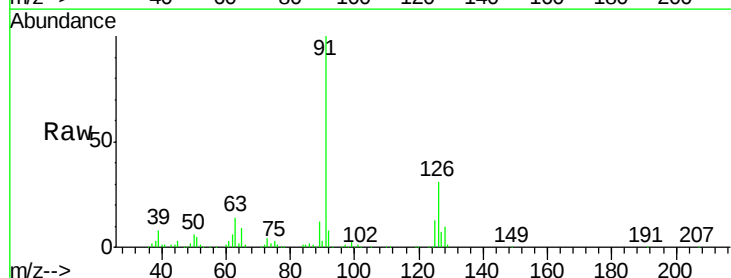
Instrument :
MSVOA_W
ClientSampled :

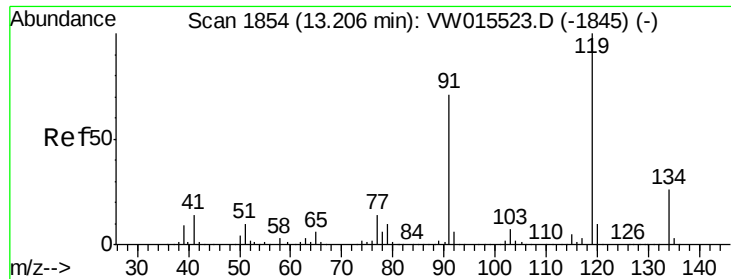
Tot Ion: 75 Resp: 12436
Ion Ratio Lower Upper
75 100
53 106.8 84.0 126.0
89 46.9 36.6 55.0



#82
4-Chlorotoluene
Concen: 20.390 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Tgt Ion: 91 Resp: 179723
Ion Ratio Lower Upper
91 100
126 32.7 16.4 49.4

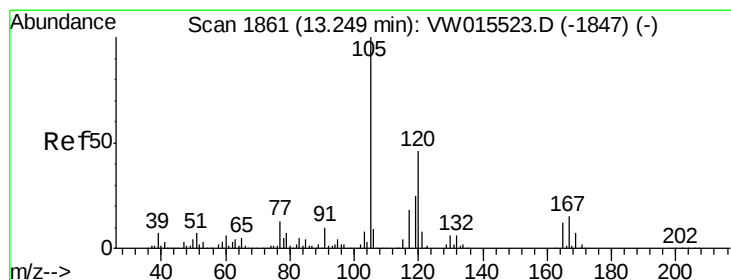
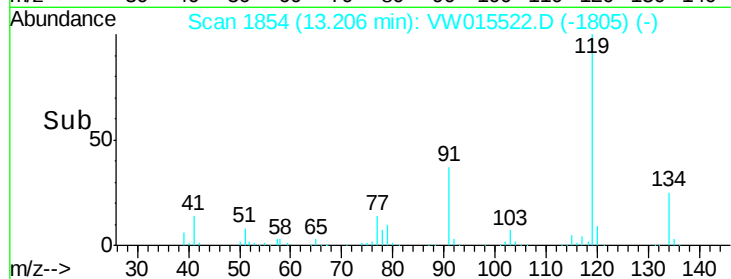
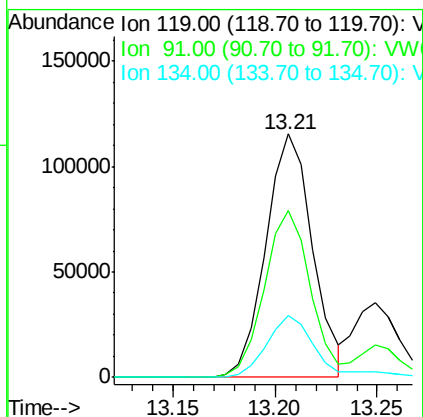
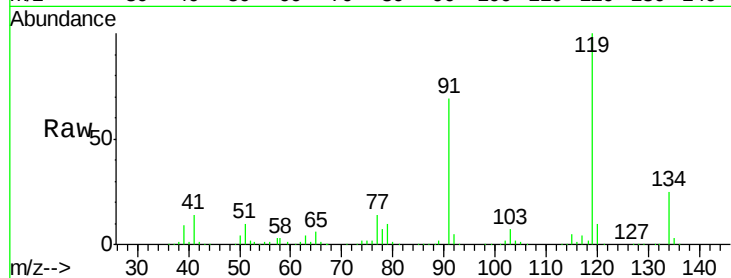




#83
tert-Butylbenzene
Concen: 20.827 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

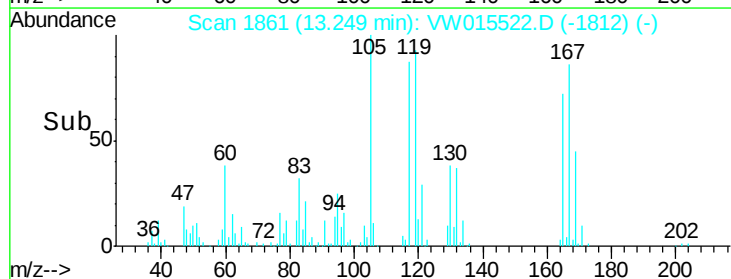
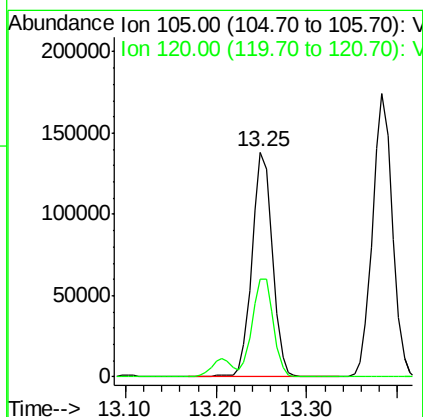
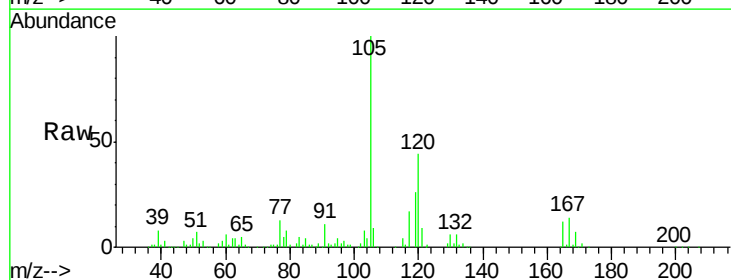
Instrument :
MSVOA_W
ClientSampleId :

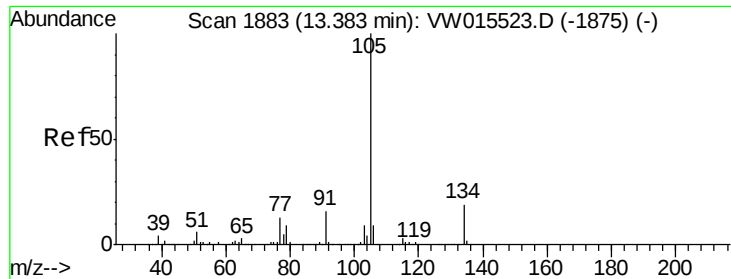
Tot Ion:119 Resp: 184283
Ion Ratio Lower Upper
119 100
91 68.6 34.2 102.5
134 25.1 12.7 38.1



#84
1,2,4-Trimethylbenzene
Concen: 20.818 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Tgt Ion:105 Resp: 216113
Ion Ratio Lower Upper
105 100
120 44.9 22.6 67.8





#85

sec-Butylbenzene

Concen: 21.157 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Instrument :

MSVOA_W

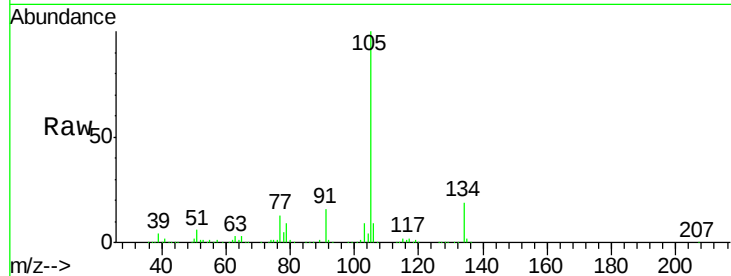
ClientSampleId :

Tot Ion:105 Resp: 263754

Ion Ratio Lower Upper

105 100

134 19.6 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

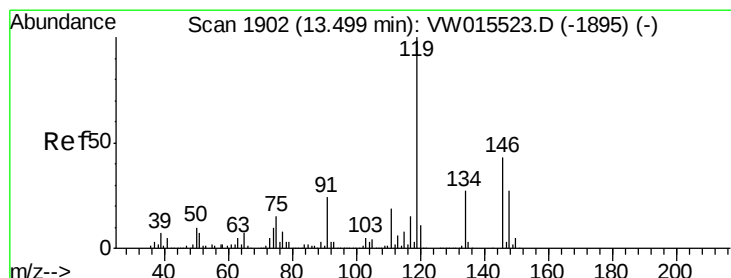
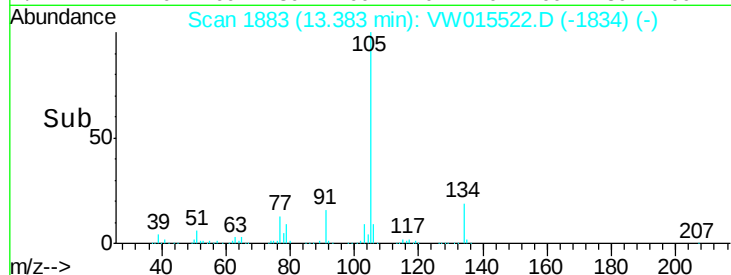
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.243 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

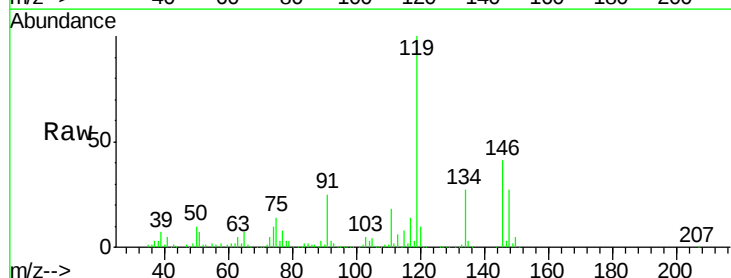
Tgt Ion:119 Resp: 241517

Ion Ratio Lower Upper

119 100

134 26.2 13.2 39.5

91 24.1 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

13.50

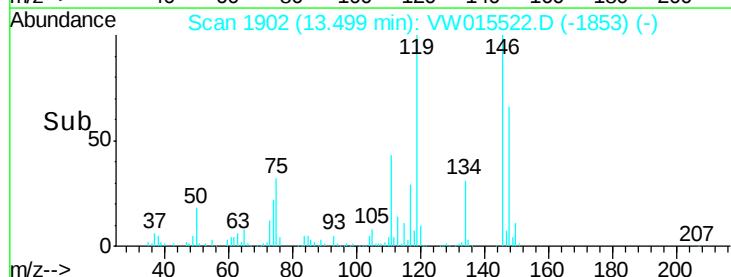
150000

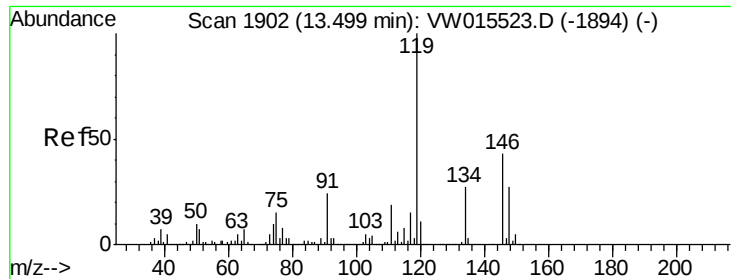
100000

50000

0

Time-->

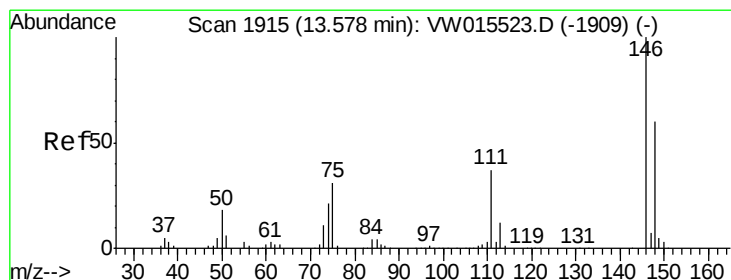
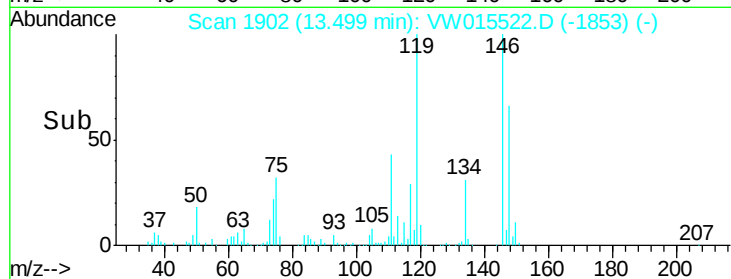
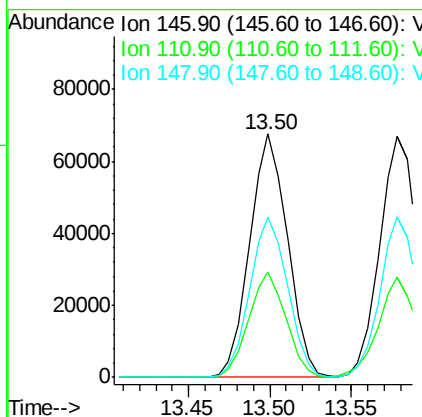
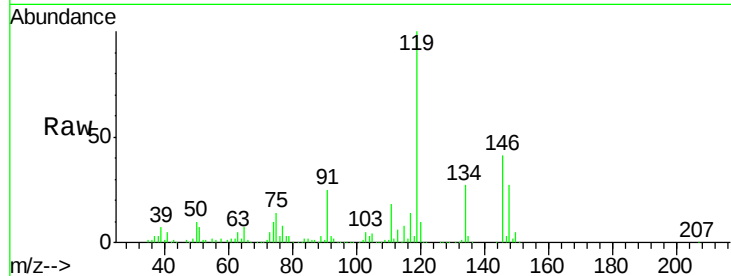




#87
 1,3-Dichlorobenzene
 Concen: 20.869 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015522.D
 Acq: 02 Jun 2020 12:13

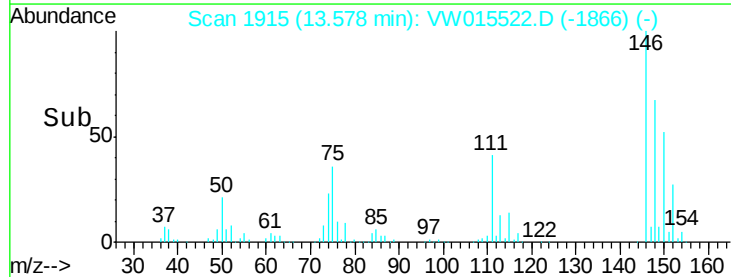
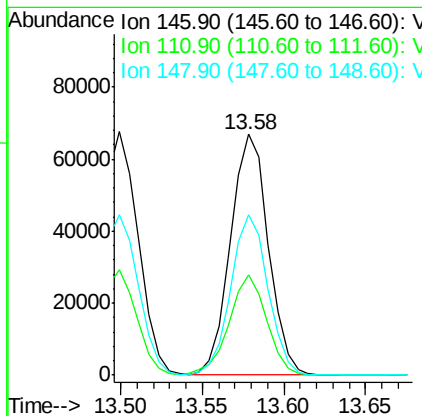
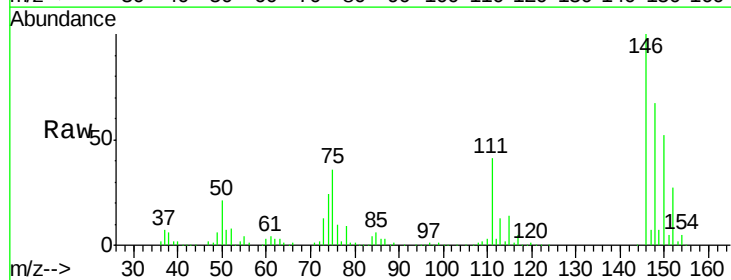
Instrument :
 MSVOA_W
 ClientSampled :

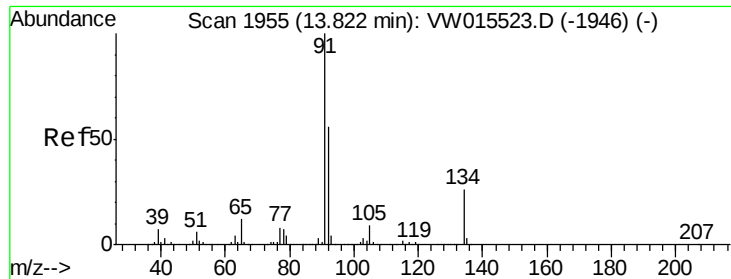
Tot Ion:146 Resp: 108699
 Ion Ratio Lower Upper
 146 100
 111 42.4 20.8 62.5
 148 66.1 31.2 93.6



#88
 1,4-Dichlorobenzene
 Concen: 20.845 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015522.D
 Acq: 02 Jun 2020 12:13

Tgt Ion:146 Resp: 107968
 Ion Ratio Lower Upper
 146 100
 111 41.6 19.6 58.7
 148 65.5 30.9 92.7





#89

n-Butylbenzene

Concen: 20.835 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

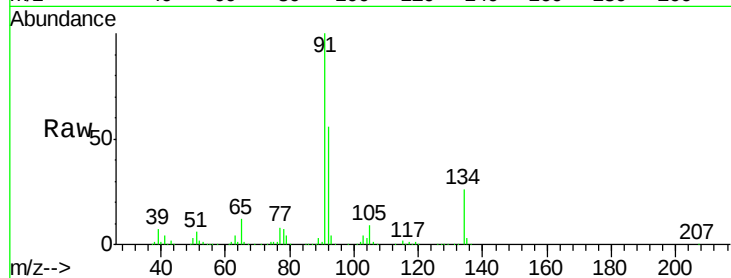
Tot Ion: 91 Resp: 230690

Ion Ratio Lower Upper

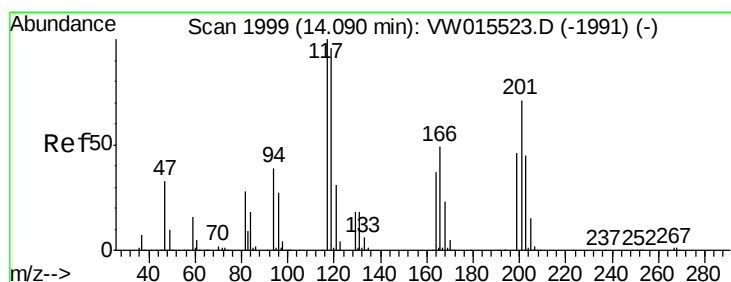
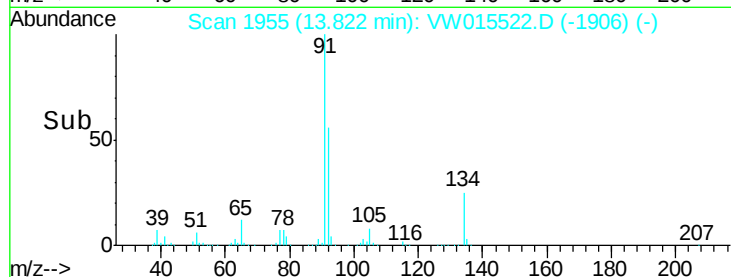
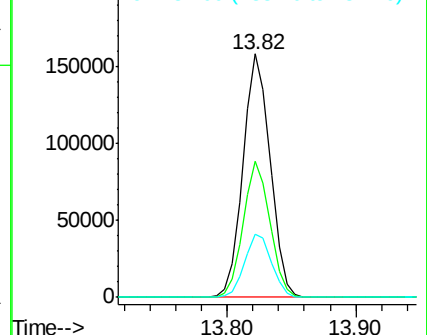
91 100

92 54.9 27.3 81.9

134 26.0 13.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.884 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.01 min

Lab File: VW015522.D

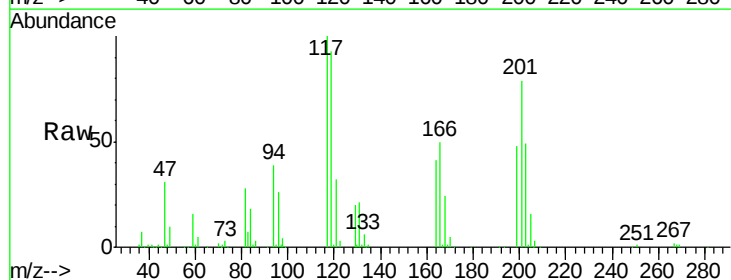
Acq: 02 Jun 2020 12:13

Tgt Ion: 117 Resp: 43840

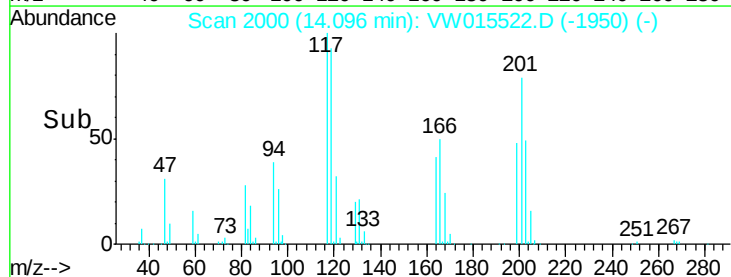
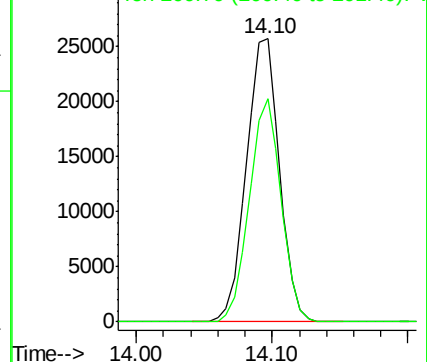
Ion Ratio Lower Upper

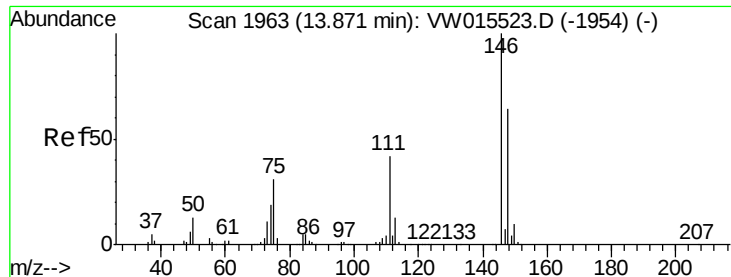
117 100

201 75.8 38.5 115.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.946 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

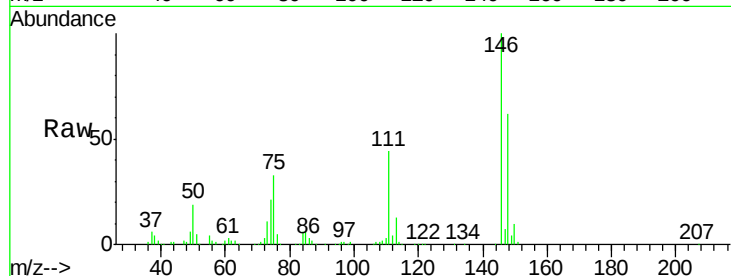
Tot Ion:146 Resp: 95363

Ion Ratio Lower Upper

146 100

111 42.8 20.9 62.8

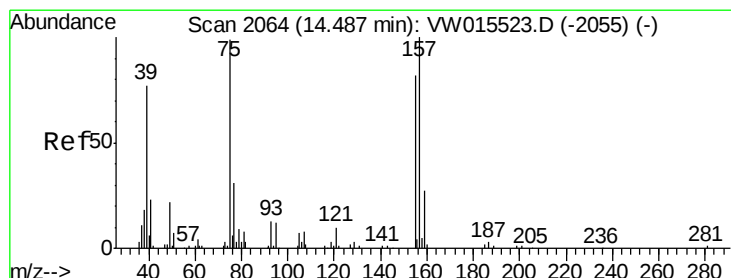
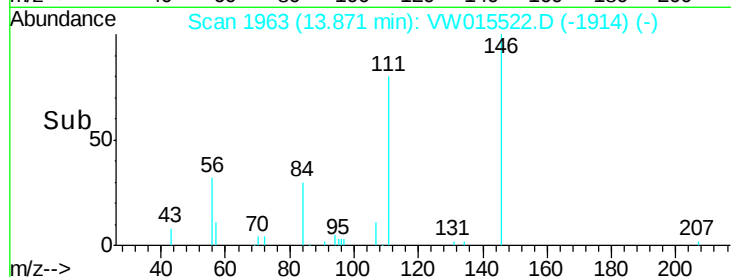
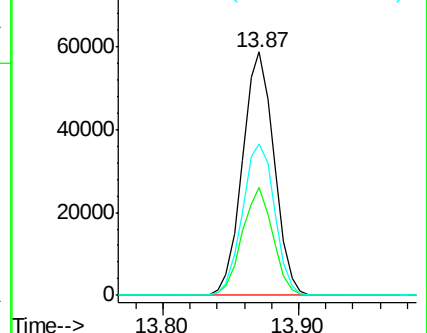
148 63.3 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.772 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

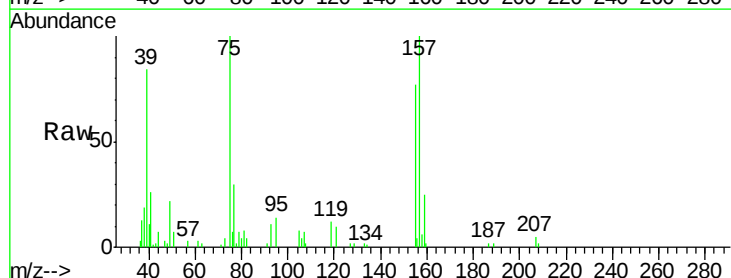
Tgt Ion: 75 Resp: 6737

Ion Ratio Lower Upper

75 100

155 77.6 40.4 121.1

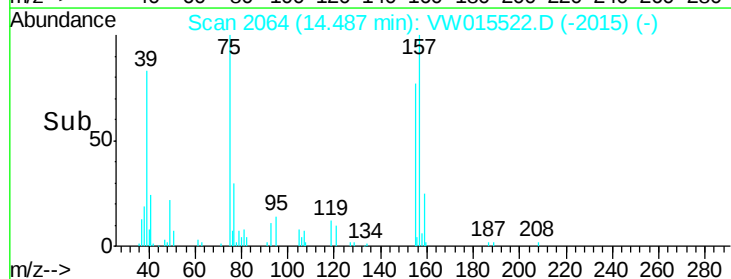
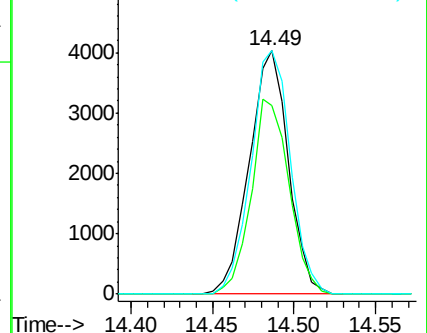
157 100.8 50.5 151.6

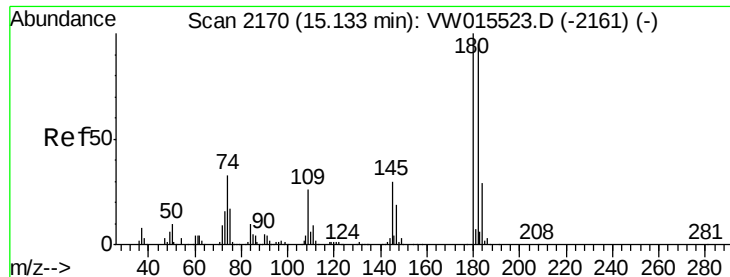


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

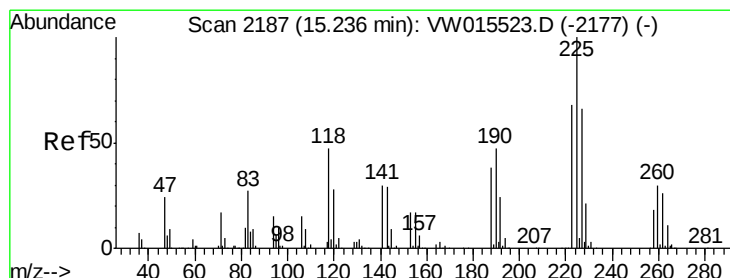
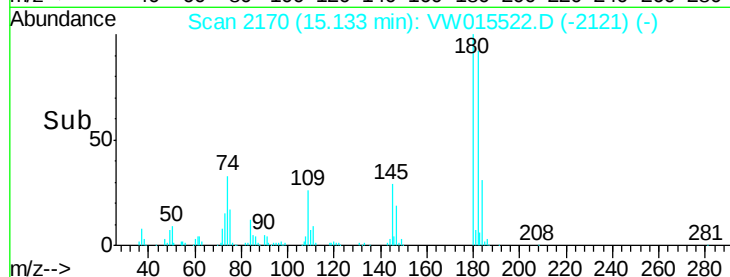
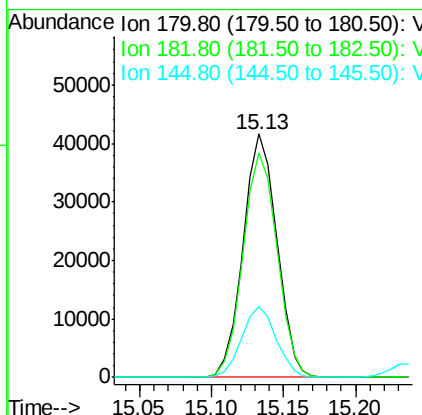
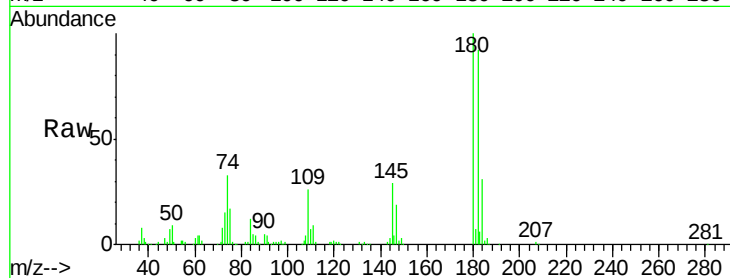




#93
 1,2,4-Trichlorobenzene
 Concen: 22.116 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015522.D
 Acq: 02 Jun 2020 12:13

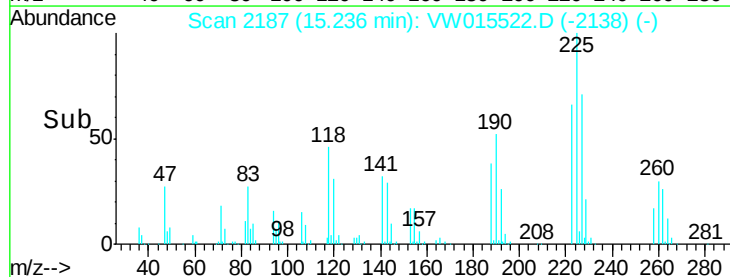
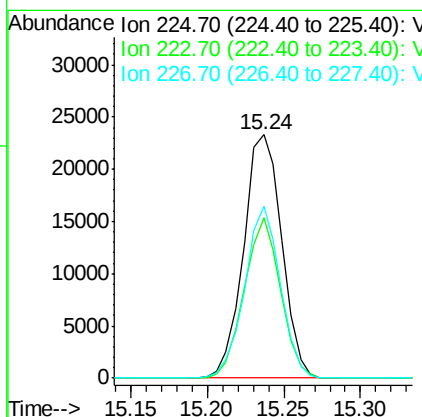
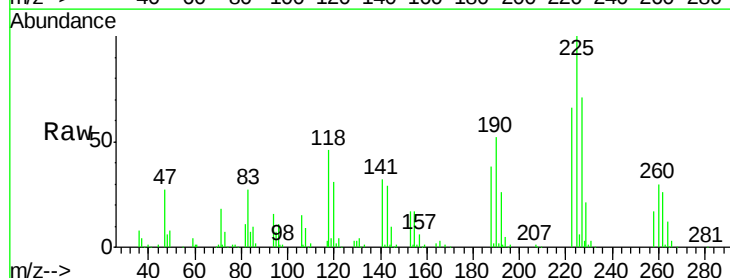
Instrument :
 MSVOA_W
 ClientSampled :

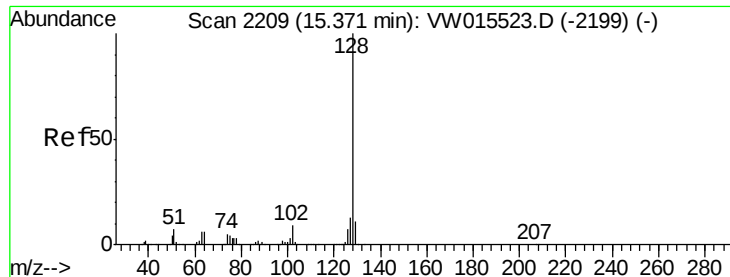
Tot Ion:180 Resp: 67619
 Ion Ratio Lower Upper
 180 100
 182 93.1 47.7 143.1
 145 29.6 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 22.278 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015522.D
 Acq: 02 Jun 2020 12:13

Tgt Ion:225 Resp: 40335
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.8 95.4
 227 65.8 32.6 97.8

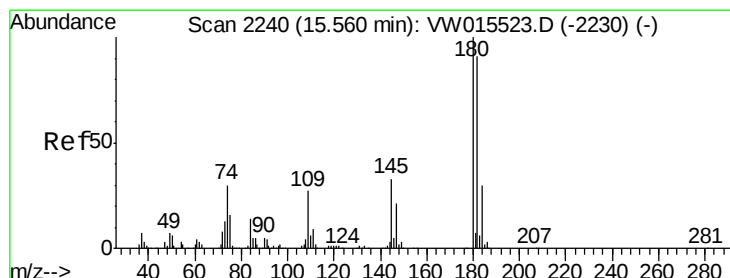
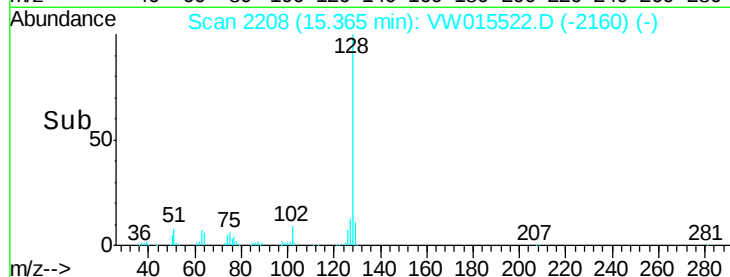
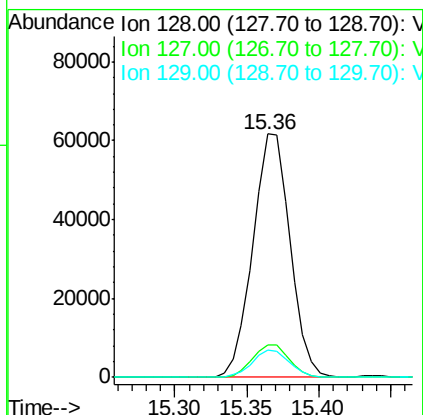
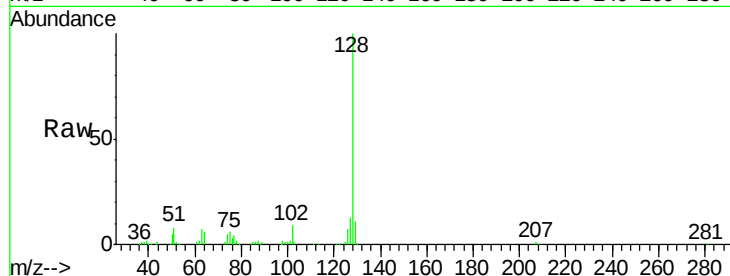




#95
Naphthalene
Concen: 20.128 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.3	15.5
129	11.2	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 21.281 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.1	141.4
145	33.6	16.3	48.8

