

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042020\
 Data File : VW015220.D
 Acq On : 20 Apr 2020 13:43
 Operator : SY/VA
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Quant Time: Apr 20 14:08:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 20 13:45:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	231806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	330349	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	317437	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	176944	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	193079	88.09	ug/l	0.00
Spiked Amount			Recovery	=	176.18%	
35) Dibromofluoromethane	7.88	113	192276	105.25	ug/l	0.00
Spiked Amount			Recovery	=	210.50%	
50) Toluene-d8	10.32	98	767877	103.47	ug/l	0.00
Spiked Amount			Recovery	=	206.94%	
62) 4-Bromofluorobenzene	12.62	95	303717	116.85	ug/l	0.00
Spiked Amount			Recovery	=	233.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	185168	123.173	ug/l	97
3) Chloromethane	2.22	50	196976	96.294	ug/l	98
4) Vinyl Chloride	2.36	62	235567	97.794	ug/l	98
5) Bromomethane	2.75	94	163492	128.927	ug/l	93
6) Chloroethane	2.91	64	140533	118.272	ug/l	98
7) Trichlorofluoromethane	3.26	101	331299	214.638	ug/l	100
8) Diethyl Ether	3.69	74	96640	81.214	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.07	101	204748	87.288	ug/l	93
10) Methyl Iodide	4.28	142	255397	72.912	ug/l	98
11) Tert butyl alcohol	5.17	59	79576	489.053	ug/l	99
12) 1,1-Dichloroethene	4.04	96	197695	81.835	ug/l	96
13) Acrolein	3.90	56	39985	236.370	ug/l	98
14) Allyl chloride	4.68	41	267479	74.846	ug/l	89
15) Acrylonitrile	5.37	53	193557	387.579	ug/l	99
16) Acetone	4.13	43	189445	485.258	ug/l	97
17) Carbon Disulfide	4.39	76	595683	81.015	ug/l	99
18) Methyl Acetate	4.68	43	91089	76.301	ug/l	95
19) Methyl tert-butyl Ether	5.43	73	474224	149.888	ug/l	96
20) Methylene Chloride	4.92	84	207842	76.876	ug/l	93
21) trans-1,2-Dichloroethene	5.43	96	228153	89.510	ug/l	95
22) Diisopropyl ether	6.32	45	523719	72.663	ug/l	95
23) Vinyl Acetate	6.26	43	1570250	375.144	ug/l	97
24) 1,1-Dichloroethane	6.22	63	357144	83.345	ug/l	99
25) 2-Butanone	7.17	43	247886	396.783	ug/l	91
26) 2,2-Dichloropropane	7.17	77	364460	127.797	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	249049	90.637	ug/l	99
28) Bromochloromethane	7.51	49	128357	71.671	ug/l #	77
29) Tetrahydrofuran	7.53	42	152508	372.408	ug/l	89
30) Chloroform	7.68	83	385720	91.891	ug/l	97
31) Cyclohexane	7.96	56	321693	70.232	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	361907	102.348	ug/l	99
36) 1,1-Dichloropropene	8.09	75	292568	99.136	ug/l	98
37) Ethyl Acetate	7.25	43	105540	85.926	ug/l	97
38) Carbon Tetrachloride	8.07	117	328094	120.922	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	399759	100.802	ug/l	97
40) Benzene	8.32	78	816282	97.409	ug/l	96
41) Methacrylonitrile	7.48	41	60469	83.205	ug/l #	86
42) 1,2-Dichloroethane	8.40	62	246857	116.067	ug/l	99
43) Isopropyl Acetate	8.43	43	219487	91.441	ug/l	96
44) Trichloroethene	9.09	130	245892	111.672	ug/l	99
45) 1,2-Dichloropropane	9.37	63	189429	91.877	ug/l	99
46) Dibromomethane	9.46	93	112747	109.421	ug/l #	88
47) Bromodichloromethane	9.65	83	291448	109.092	ug/l	97
48) Methyl methacrylate	9.43	41	101580	90.479	ug/l #	87
49) 1,4-Dioxane	9.45	88	35207	2153.688	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	526501	414.727	ug/l	96
52) Toluene	10.39	92	578859	107.917	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	300050	110.391	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	340387	103.805	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	156514	107.201	ug/l	97
56) Ethyl methacrylate	10.65	69	211500	105.124	ug/l	94
57) 1,3-Dichloropropane	10.93	76	261218	101.795	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	476091	478.131	ug/l	90
59) 2-Hexanone	10.97	43	386455	485.038	ug/l	97
60) Dibromochloromethane	11.13	129	211387	121.346	ug/l	99
61) 1,2-Dibromoethane	11.23	107	157809	112.154	ug/l	100
64) Tetrachloroethene	10.86	164	219581	117.761	ug/l	94
65) Chlorobenzene	11.66	112	634915	106.298	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	227218	110.062	ug/l	97
67) Ethyl Benzene	11.73	91	1171755	103.917	ug/l	99
68) m/p-Xylenes	11.84	106	925680	216.322	ug/l	100
69) o-Xylene	12.16	106	434176	108.252	ug/l	100
70) Styrene	12.18	104	757655	111.820	ug/l	99
71) Bromoform	12.35	173	136121	132.767	ug/l #	97
73) Isopropylbenzene	12.46	105	1212767	91.906	ug/l	99
74) N-amyl acetate	12.27	43	227529	74.175	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.71	83	177567	80.311	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	247839	163.623	ug/l #	100
77) Bromobenzene	12.74	156	284498	104.065	ug/l	86
78) n-propylbenzene	12.80	91	1420528	89.264	ug/l	97
79) 2-Chlorotoluene	12.89	91	809242	91.988	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	1072392	96.514	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	65806	84.055	ug/l	94
82) 4-Chlorotoluene	12.99	91	864045	92.964	ug/l	98
83) tert-Butylbenzene	13.21	119	934300	96.977	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1066502	96.572	ug/l	100
85) sec-Butylbenzene	13.38	105	1283379	93.730	ug/l	97
86) p-Isopropyltoluene	13.49	119	1205402	98.663	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	559431	102.714	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	555234	102.756	ug/l	97
89) n-Butylbenzene	13.82	91	1115468	92.353	ug/l	98
90) Hexachloroethane	14.09	117	218975	93.221	ug/l	74
91) 1,2-Dichlorobenzene	13.87	146	506530	104.602	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.48	75	33858	94.580	ug/l	89

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Quant Title : SW846 8260
QLast Update : Mon Apr 20 13:45:45 2020
Response via : Initial Calibration

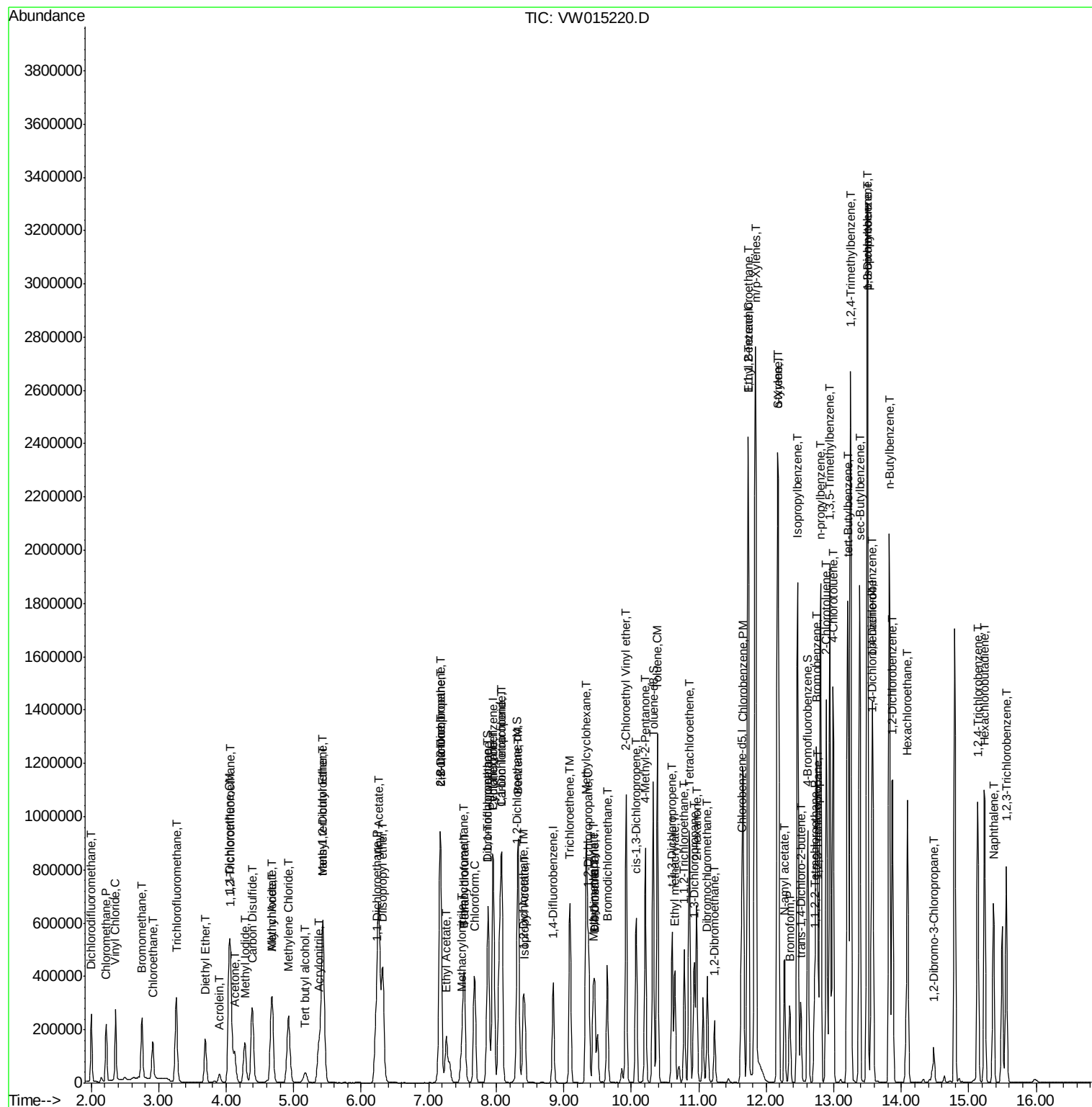
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	365292	114.324	ug/l	98
94) Hexachlorobutadiene	15.23	225	232382	126.059	ug/l	98
95) Naphthalene	15.36	128	604052	98.270	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	291743	106.394	ug/l	98

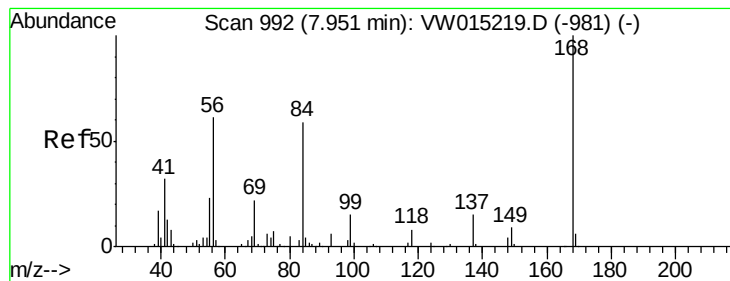
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042020\
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Acq On : 20 Apr 2020 13:43
Operator : SY/VA
Sample : VSTDIC100
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VSTDIC100

Quant Time: Apr 20 14:08:59 2020
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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. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA_W

ClientSampleId :

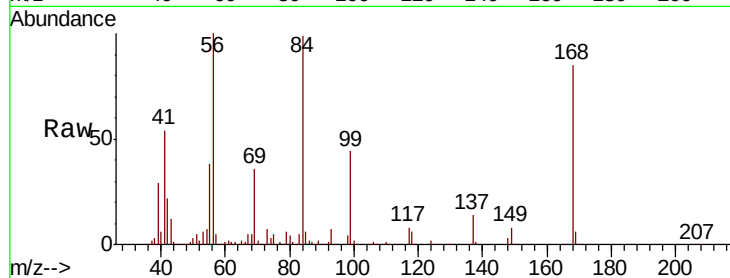
VSTDIC100

Tot Ion:168 Resp: 231806

Ion Ratio Lower Upper

168 100

99 51.6 48.5 72.7



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

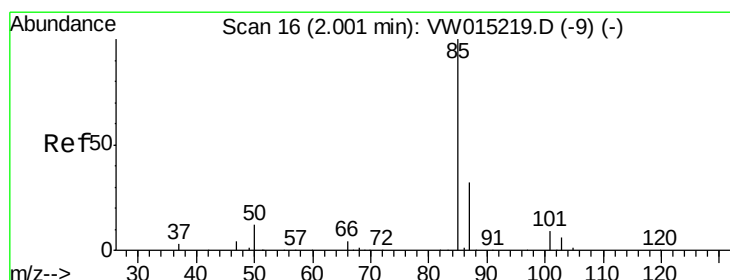
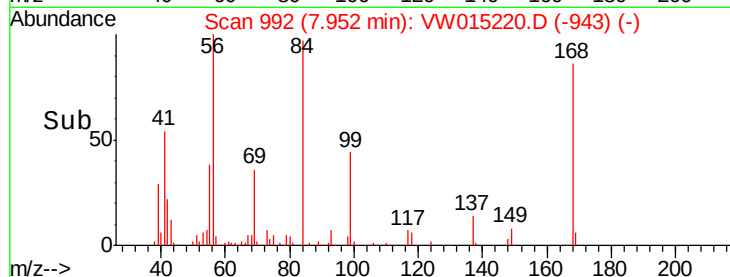
0

Time-->

7.90

8.00

8.10



#2

Dichlorodifluoromethane

Concen: 123.173 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW015220.D

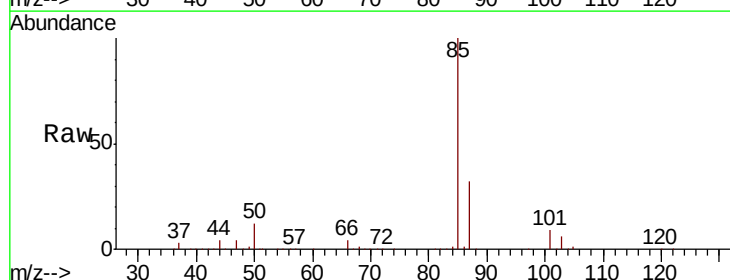
Acq: 20 Apr 2020 13:43

Tgt Ion: 85 Resp: 185168

Ion Ratio Lower Upper

85 100

87 32.4 17.2 51.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

150000

100000

50000

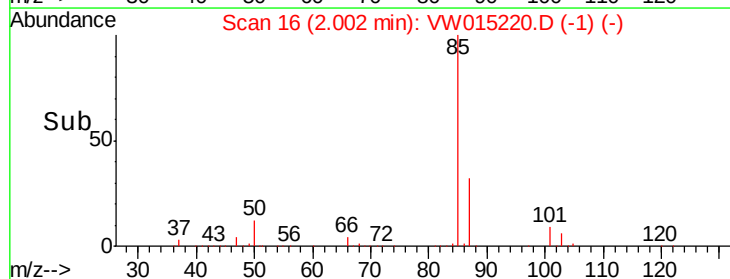
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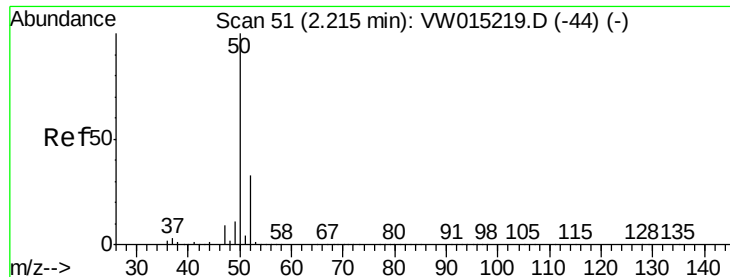
Time-->

1.90

2.00

2.10





#3

Chloromethane

Concen: 96.294 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA_W

ClientSampleId :

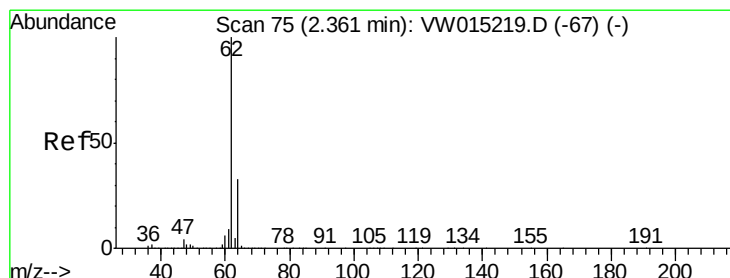
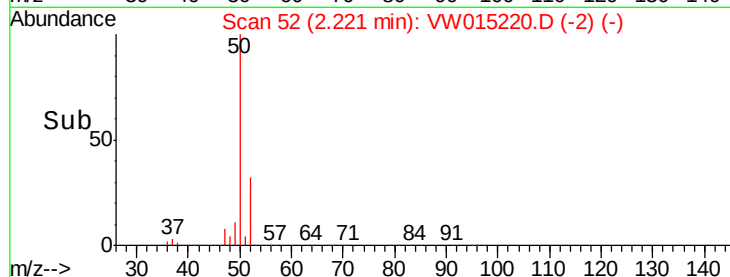
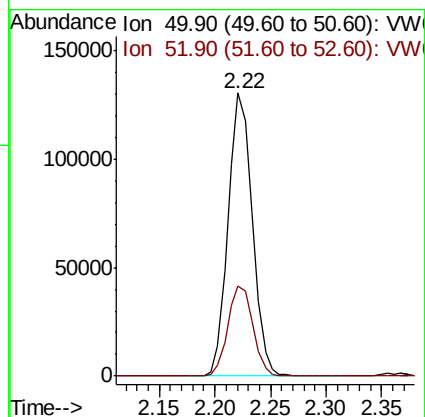
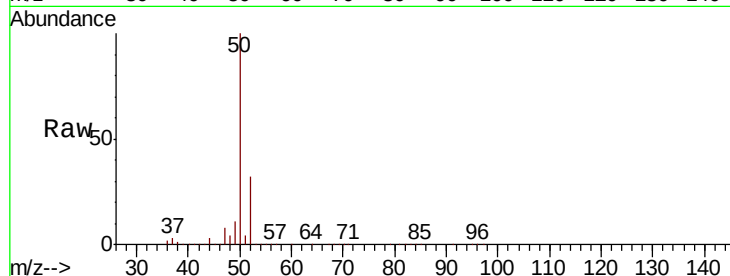
VSTDIC100

Tot Ion: 50 Resp: 196976

Ion Ratio Lower Upper

50 100

52 31.9 26.5 39.7



#4

Vinyl Chloride

Concen: 97.794 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW015220.D

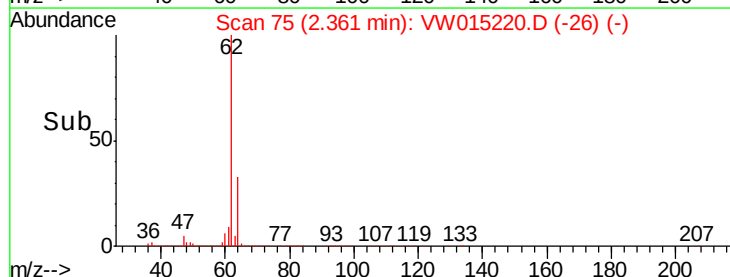
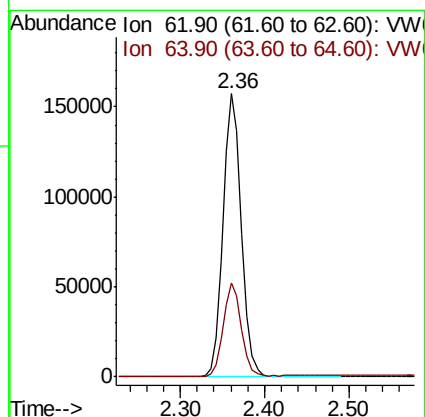
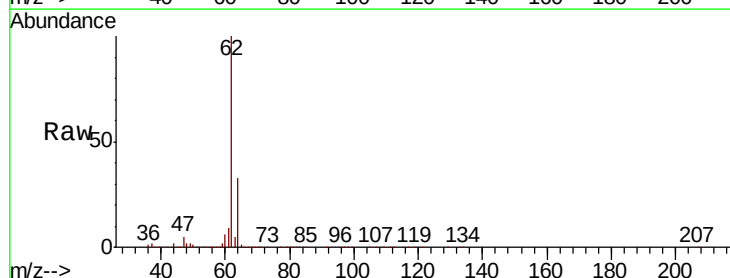
Acq: 20 Apr 2020 13:43

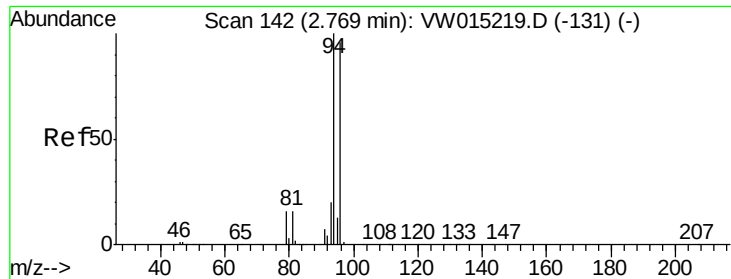
Tgt Ion: 62 Resp: 235567

Ion Ratio Lower Upper

62 100

64 32.9 25.4 38.2





#5

Bromomethane

Concen: 128.927 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.02 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA_W

ClientSampleId :

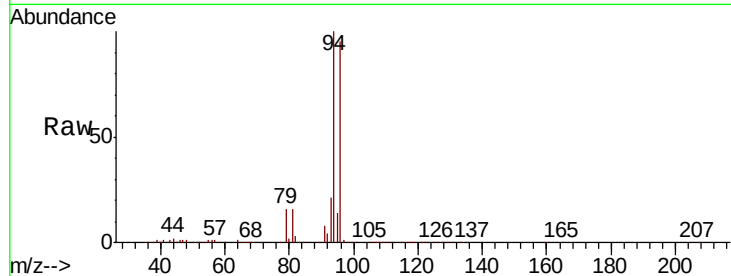
VSTDIC100

Tot Ion: 94 Resp: 163492

Ion Ratio Lower Upper

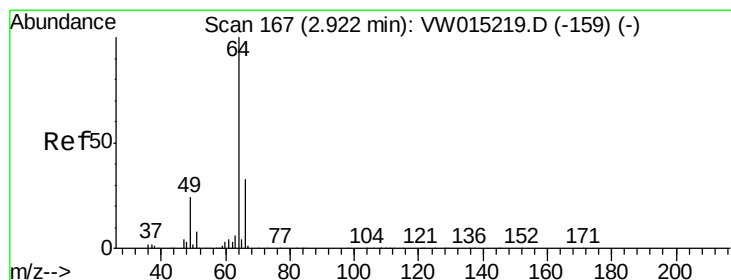
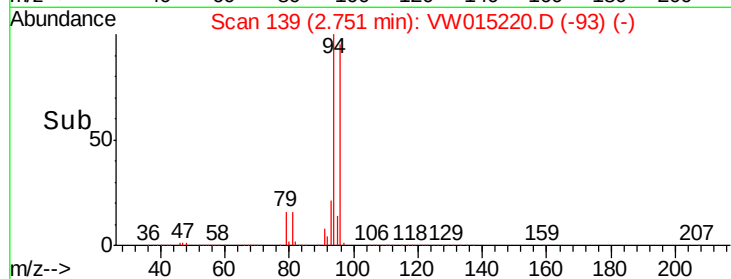
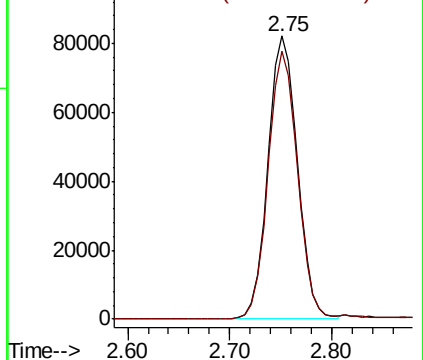
94 100

96 94.6 70.4 105.6



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 118.272 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW015220.D

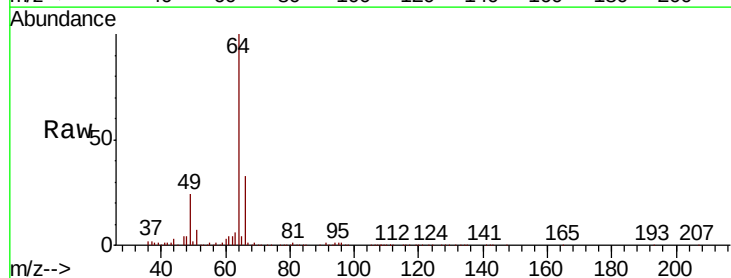
Acq: 20 Apr 2020 13:43

Tgt Ion: 64 Resp: 140533

Ion Ratio Lower Upper

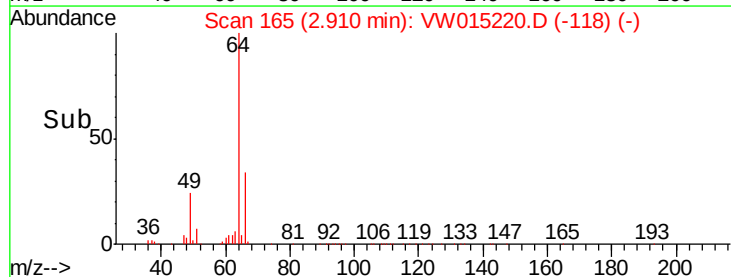
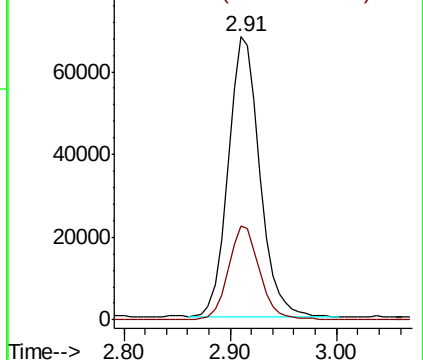
64 100

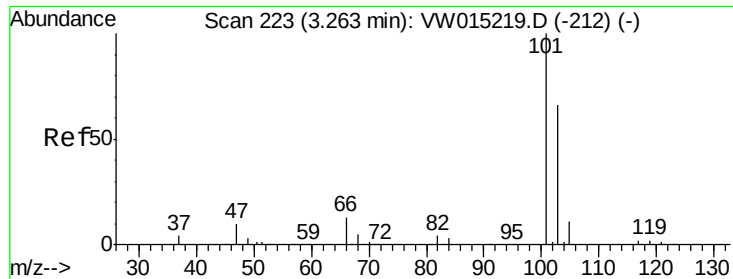
66 33.6 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



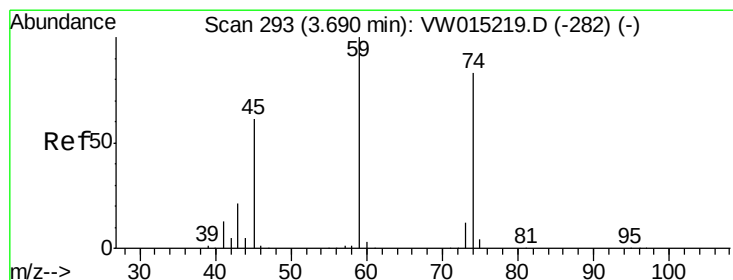
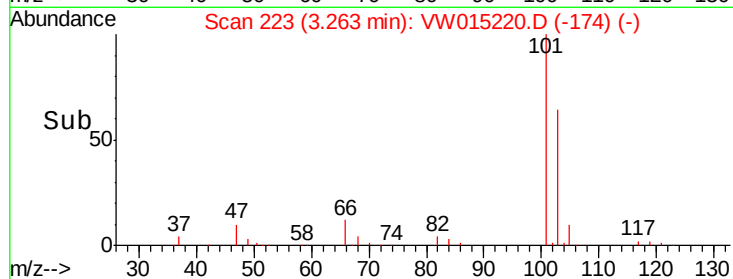
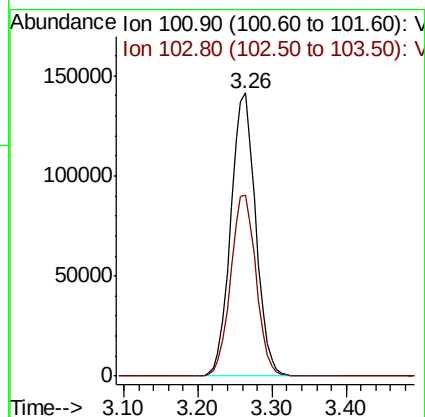
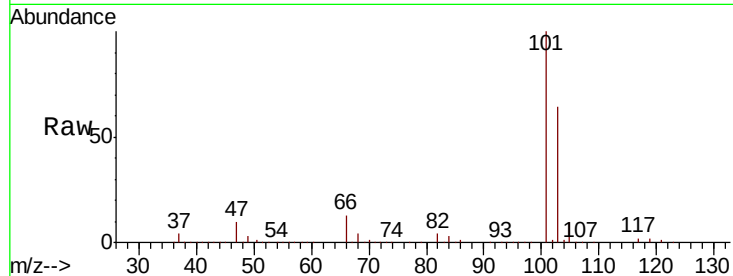


#7

Trichlorofluoromethane
 Concen: 214.638 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW015220.D
 Acq: 20 Apr 2020 13:43

Instrument :
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 ClientSampleId :
 VSTDIC100

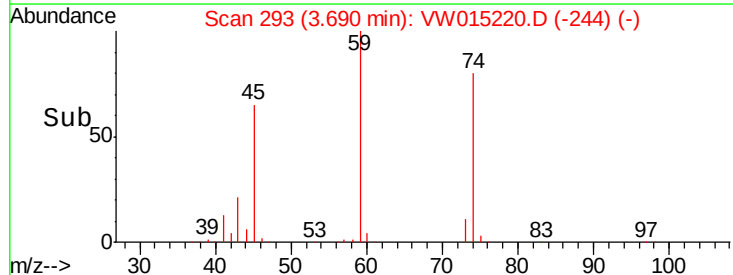
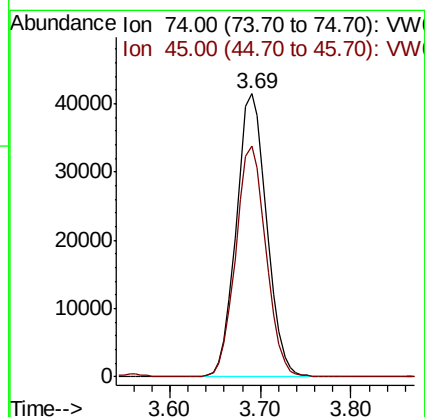
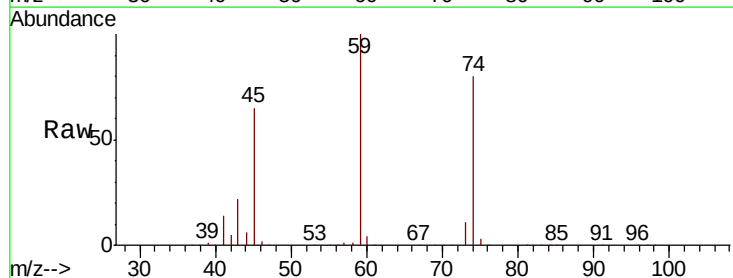
Tot Ion:101 Resp: 331299
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.3 76.9

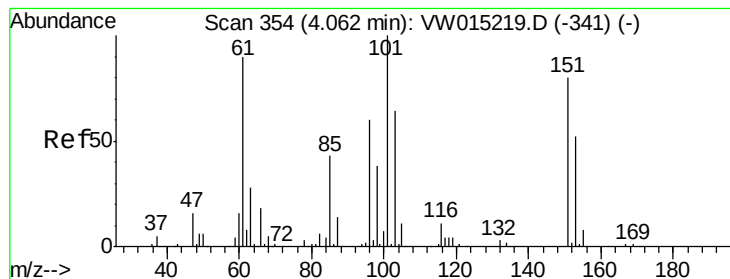


#8

Diethyl Ether
 Concen: 81.214 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VW015220.D
 Acq: 20 Apr 2020 13:43

Tgt Ion: 74 Resp: 96640
 Ion Ratio Lower Upper
 74 100
 45 81.0 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 87.288 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

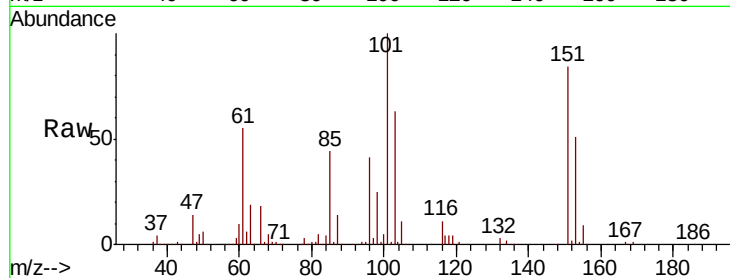
Tot Ion:101 Resp: 204748

Ion Ratio Lower Upper

101 100

85 43.5 35.3 52.9

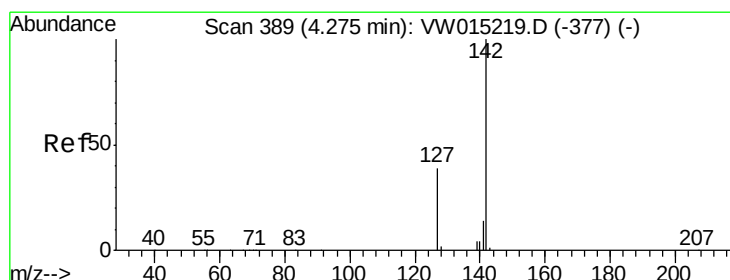
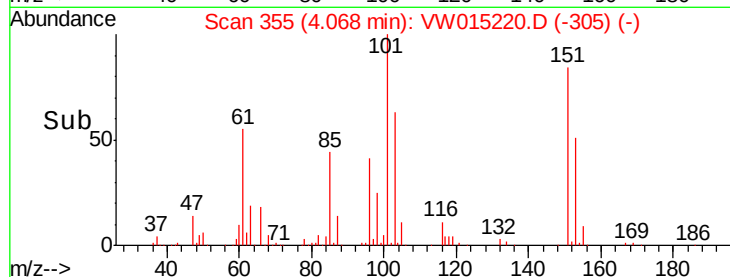
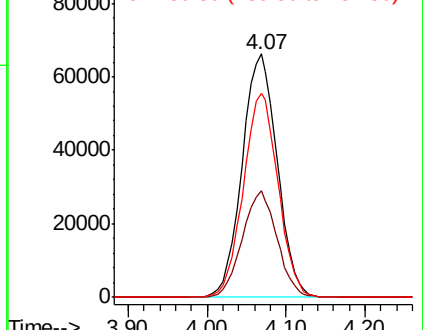
151 82.9 59.3 88.9



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: 72.912 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

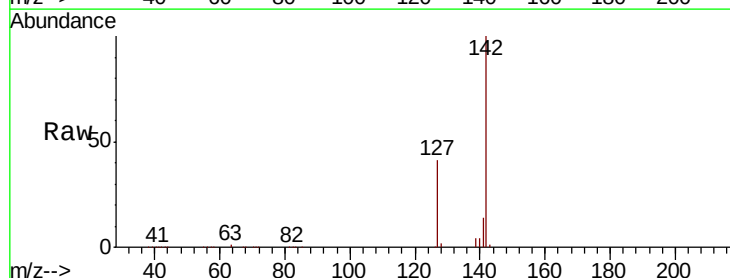
Tgt Ion:142 Resp: 255397

Ion Ratio Lower Upper

142 100

127 40.8 33.9 50.9

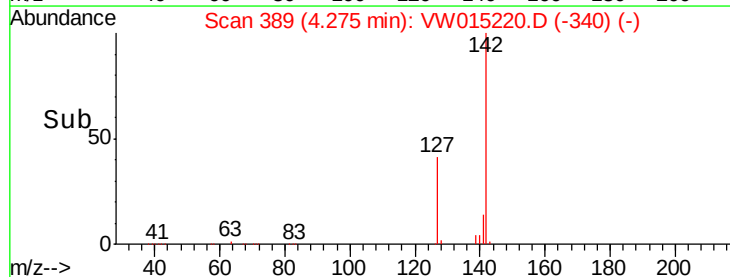
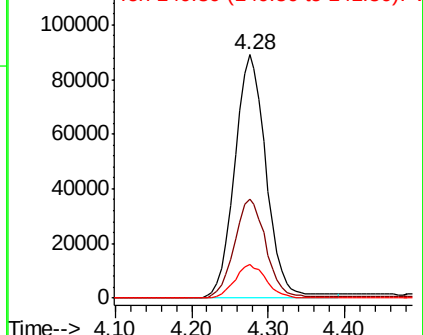
141 13.9 11.4 17.2

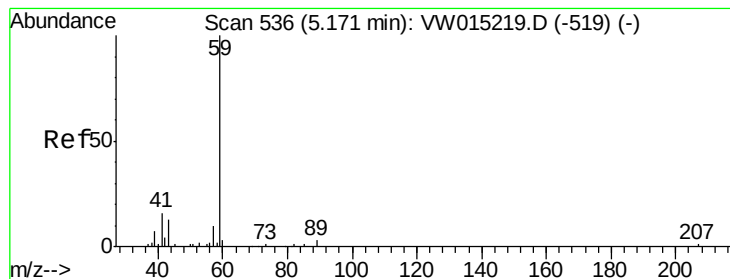


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



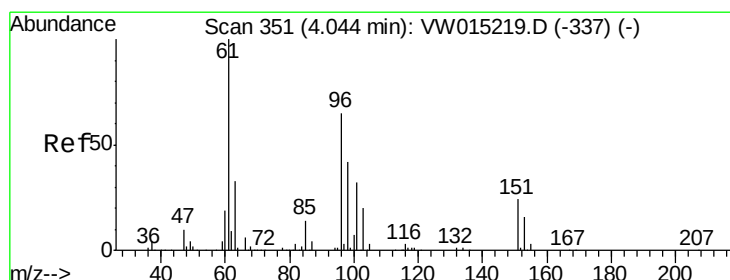
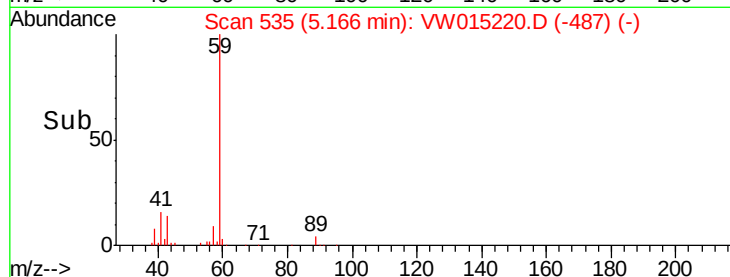
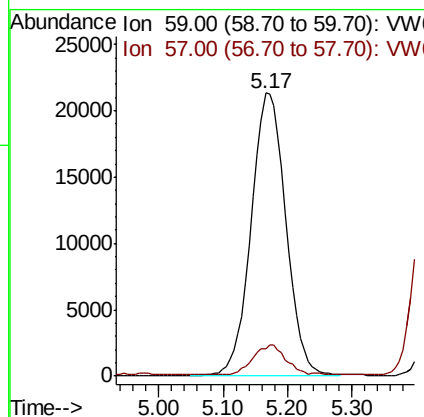
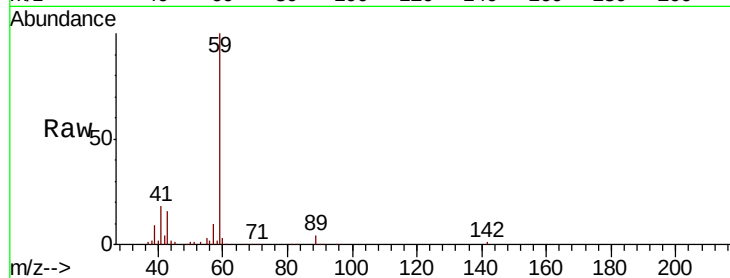


#11

Tert butyl alcohol
 Concen: 489.053 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW015220.D
 Acq: 20 Apr 2020 13:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

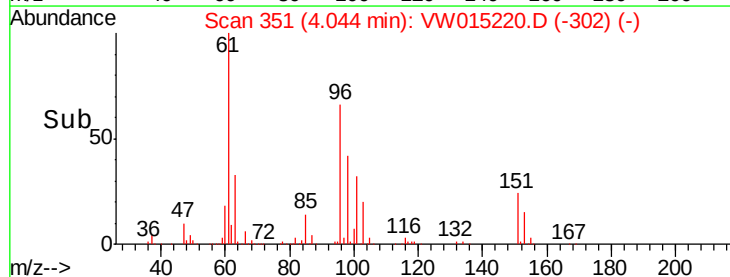
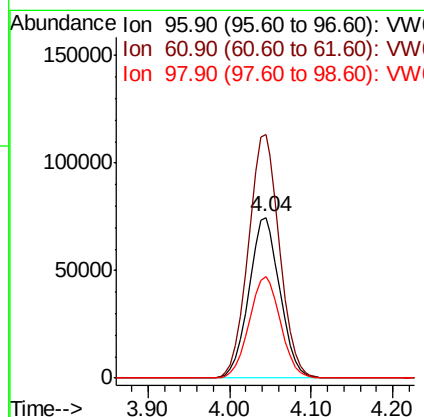
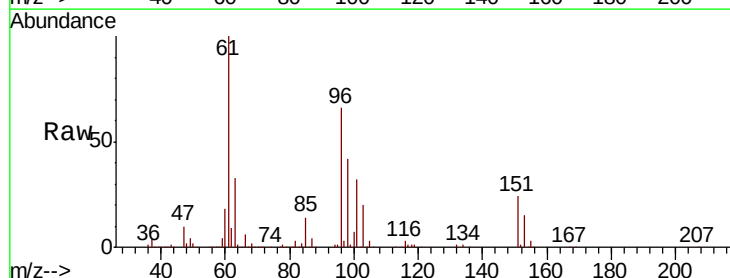
Tot Ion: 59 Resp: 79576
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.4 12.6

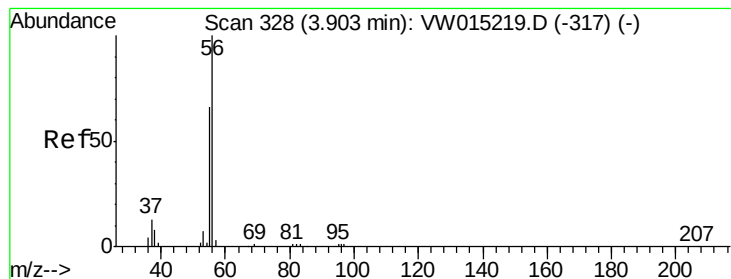


#12

1,1-Dichloroethene
 Concen: 81.835 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VW015220.D
 Acq: 20 Apr 2020 13:43

Tgt Ion: 96 Resp: 197695
 Ion Ratio Lower Upper
 96 100
 61 151.3 127.0 190.4
 98 63.5 51.0 76.4





#13

Acrolein

Concen: 236.370 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA_W

ClientSampleId :

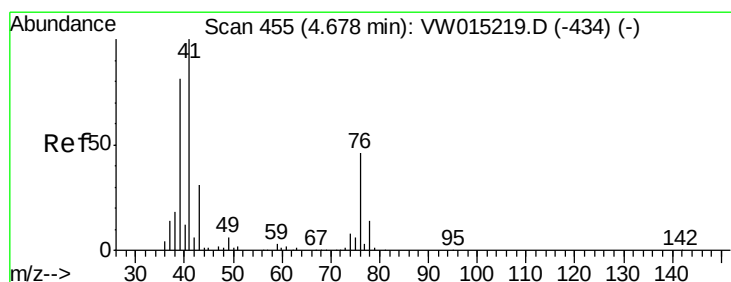
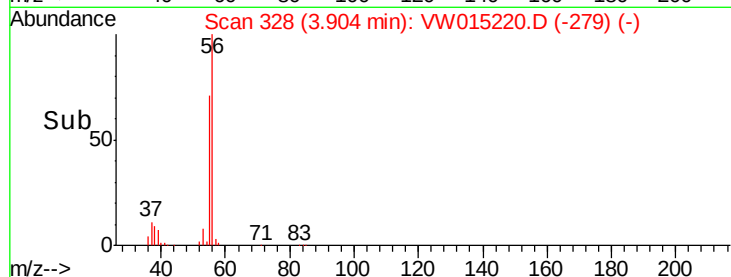
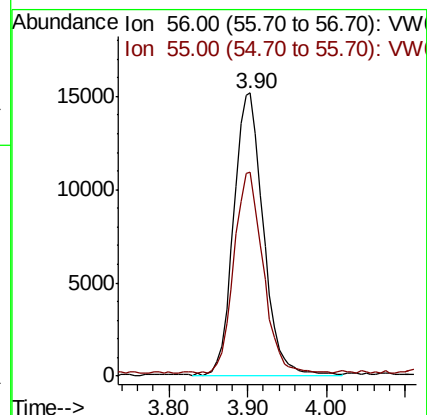
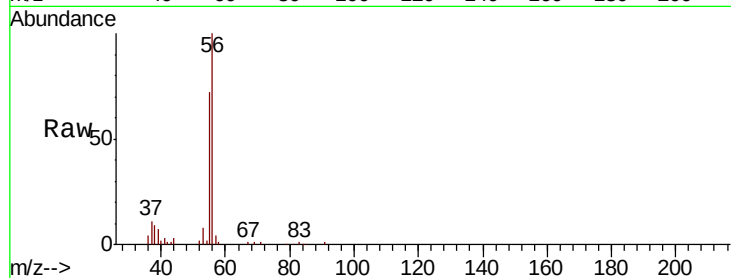
VSTDIC100

Tot Ion: 56 Resp: 39985

Ion Ratio Lower Upper

56 100

55 68.8 56.2 84.2



#14

Allyl chloride

Concen: 74.846 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

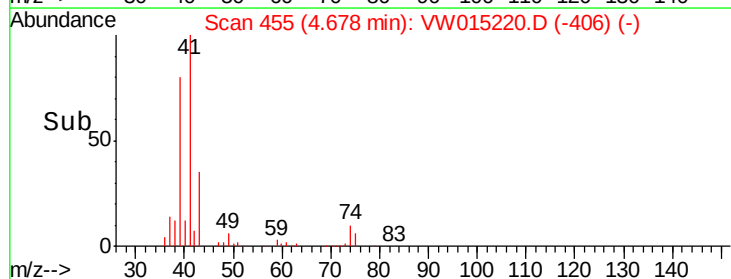
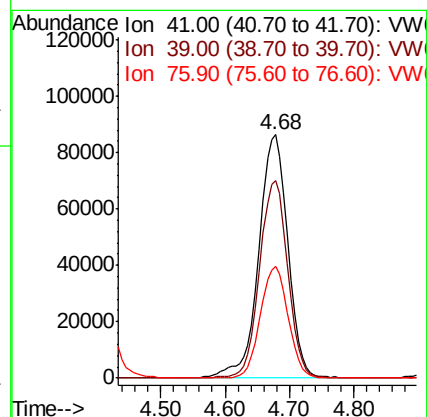
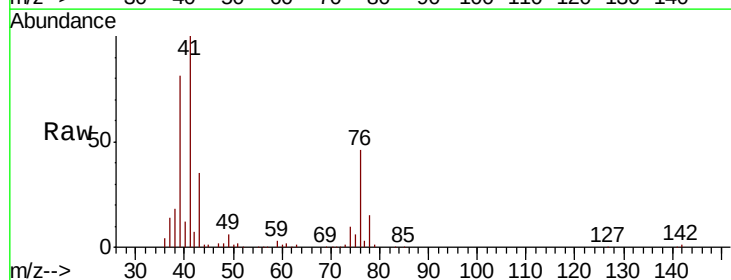
Tgt Ion: 41 Resp: 267479

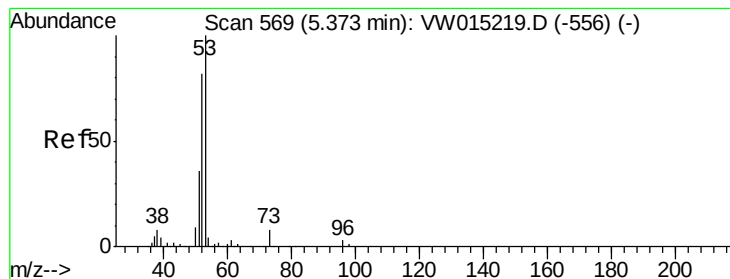
Ion Ratio Lower Upper

41 100

39 78.9 54.0 81.0

76 44.0 31.8 47.6





#15

Acrylonitrile

Concen: 387.579 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

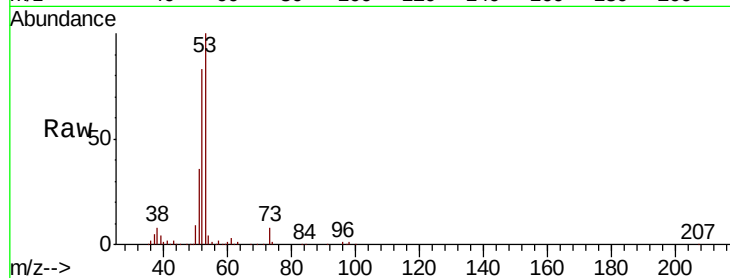
Tot Ion: 53 Resp: 193557

Ion Ratio Lower Upper

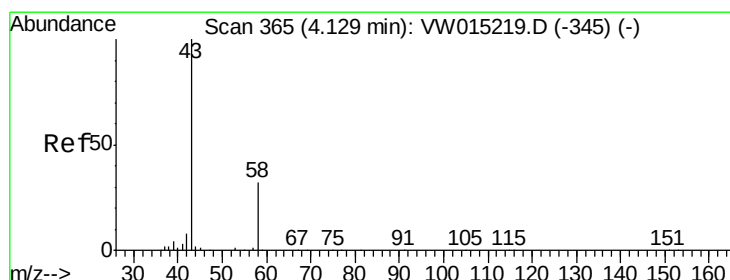
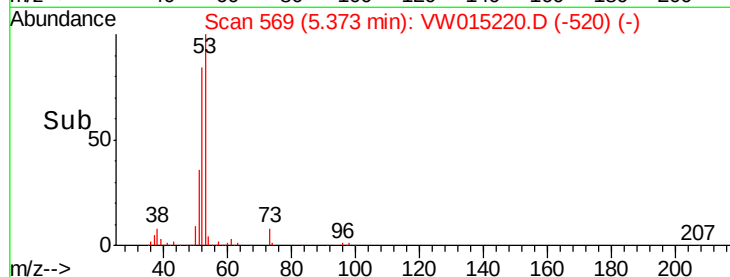
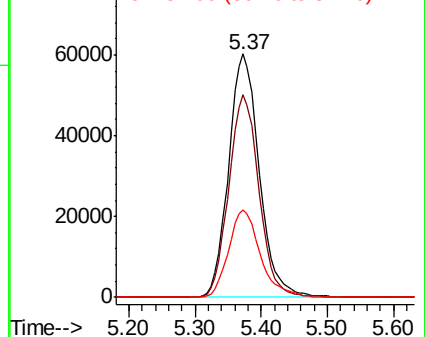
53 100

52 81.9 65.2 97.8

51 37.3 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 485.258 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW015220.D

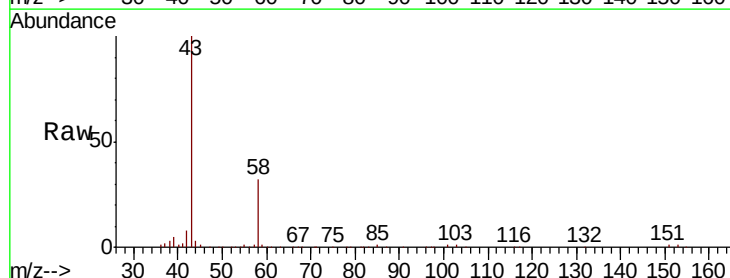
Acq: 20 Apr 2020 13:43

Tgt Ion: 43 Resp: 189445

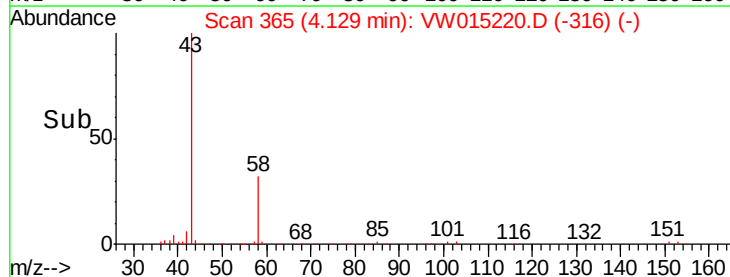
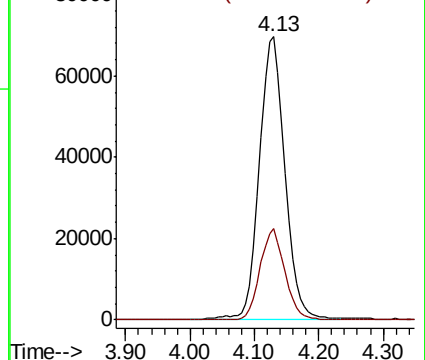
Ion Ratio Lower Upper

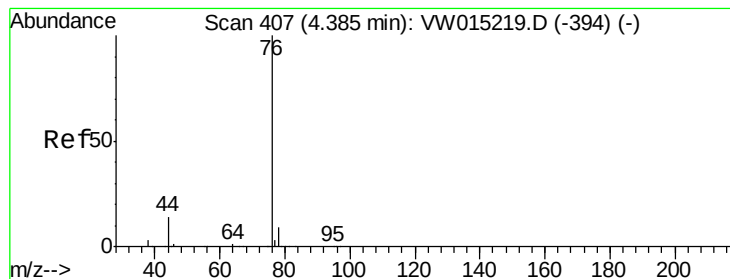
43 100

58 32.2 27.0 40.4



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





#17

Carbon Disulfide

Concen: 81.015 ug/l

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA_W

ClientSampleId :

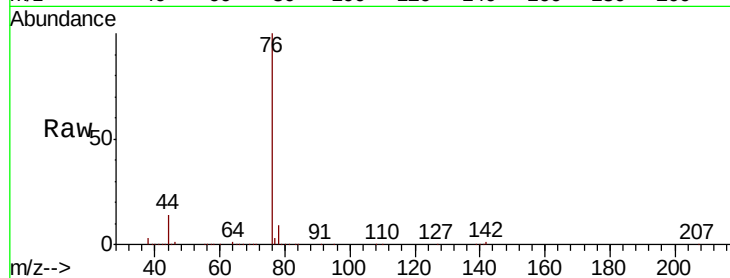
VSTDIC100

Tot Ion: 76 Resp: 595683

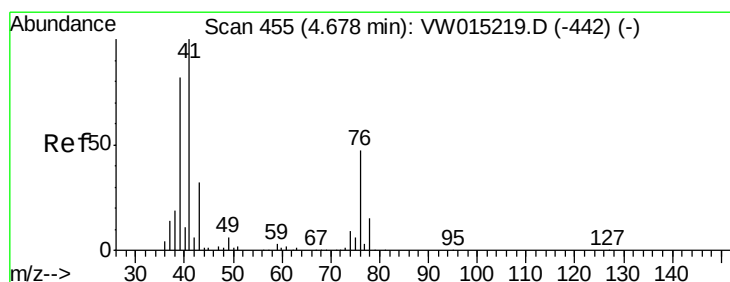
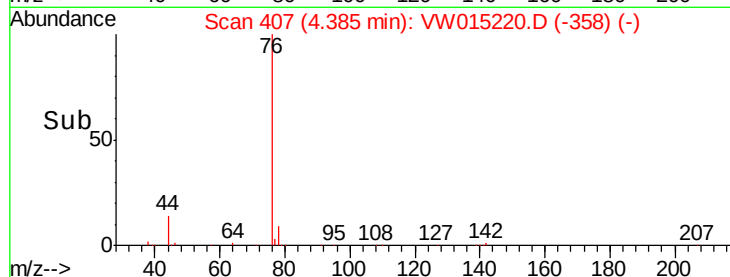
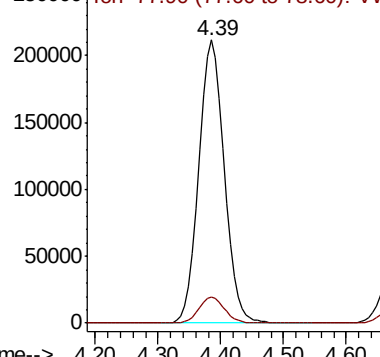
Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VW
Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 76.301 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW015220.D

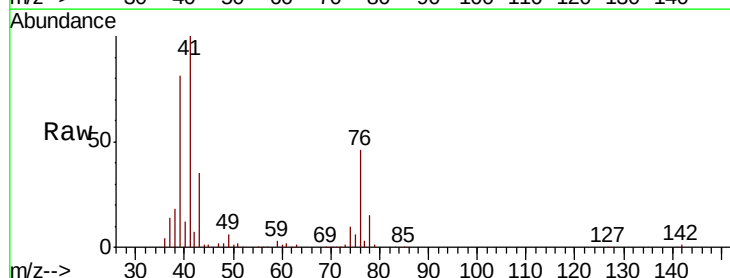
Acq: 20 Apr 2020 13:43

Tgt Ion: 43 Resp: 91089

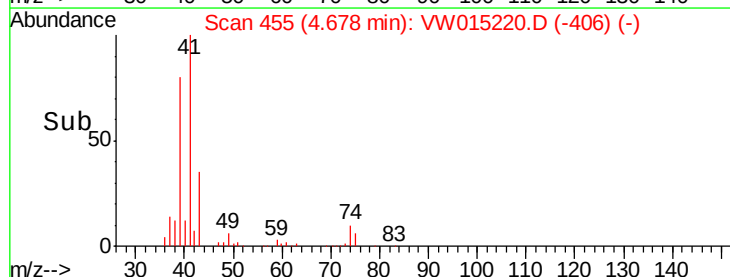
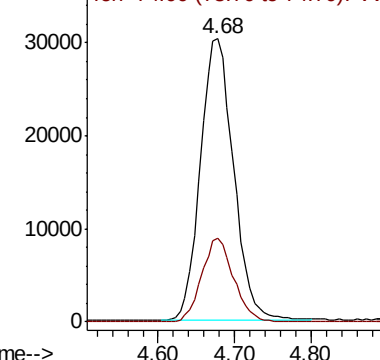
Ion Ratio Lower Upper

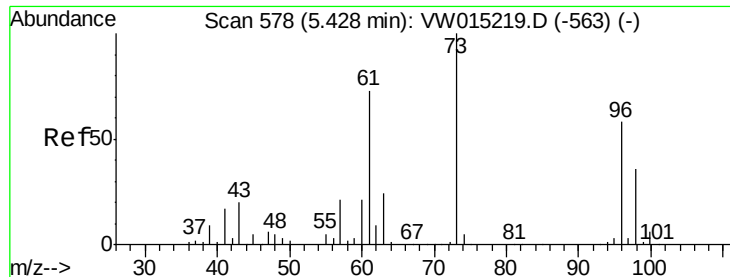
43 100

74 28.5 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 74.00 (73.70 to 74.70): VW

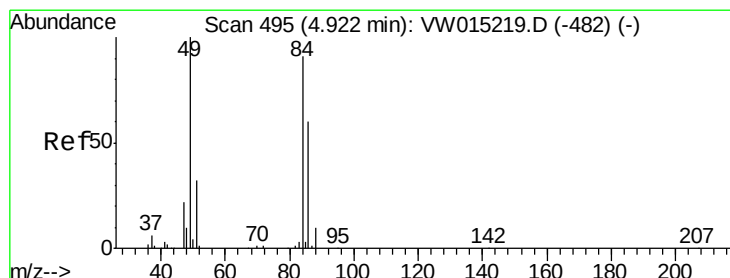
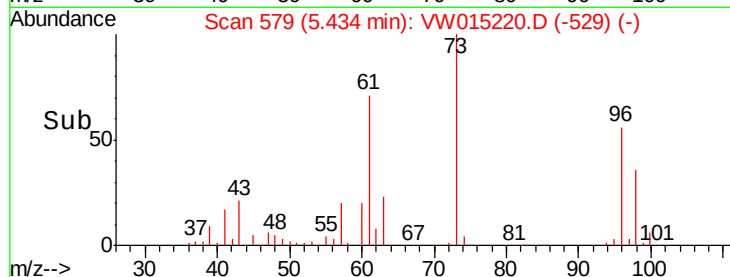
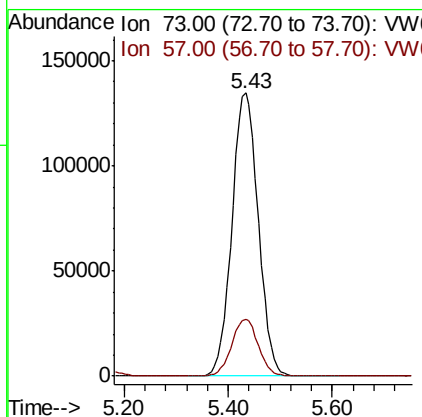
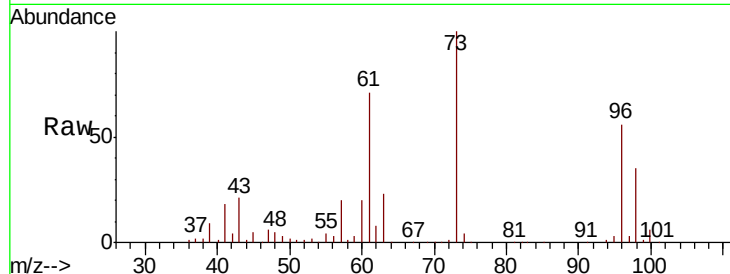




#19
Methyl tert-butyl Ether
Concen: 149.888 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW015220.D
Acq: 20 Apr 2020 13:43

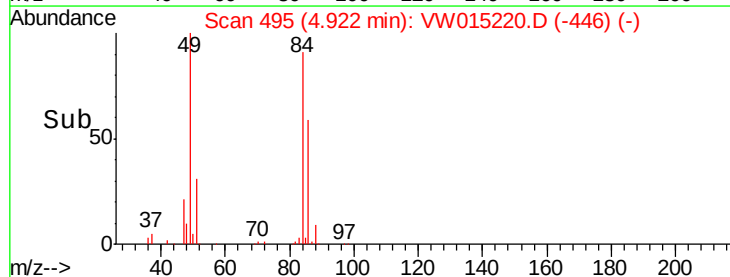
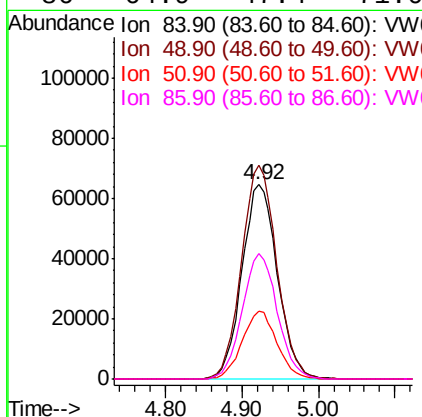
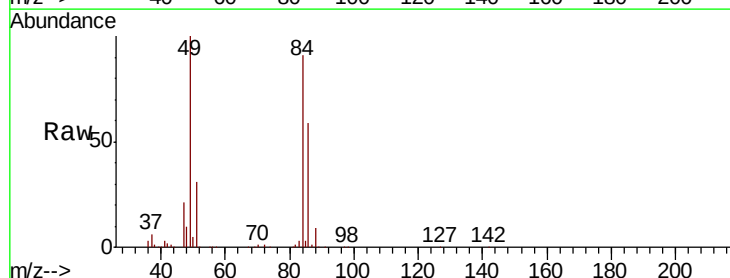
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

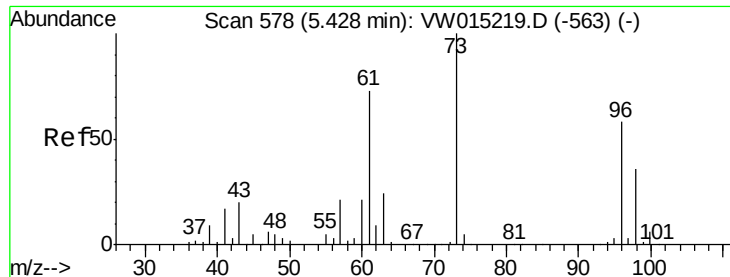
Tot Ion: 73 Resp: 474224
Ion Ratio Lower Upper
73 100
57 20.1 17.8 26.6



#20
Methylene Chloride
Concen: 76.876 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW015220.D
Acq: 20 Apr 2020 13:43

Tgt Ion: 84 Resp: 207842
Ion Ratio Lower Upper
84 100
49 109.9 95.4 143.0
51 34.6 29.8 44.8
86 64.9 47.4 71.0

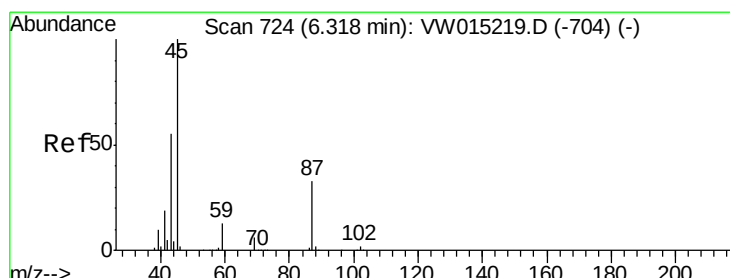
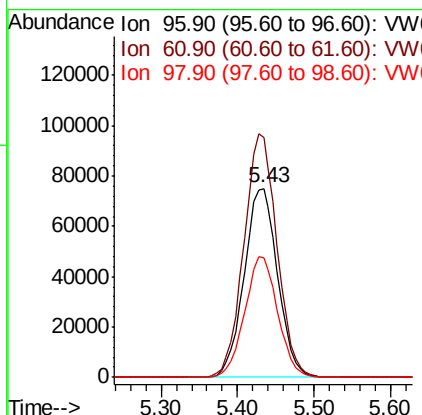
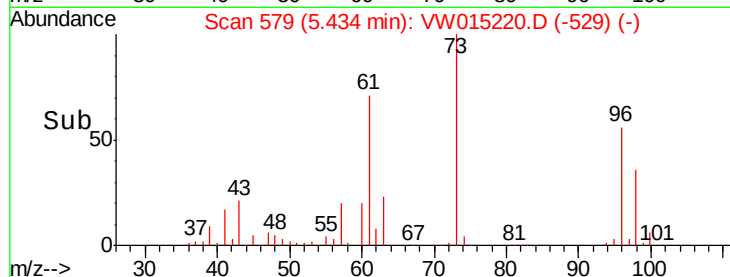
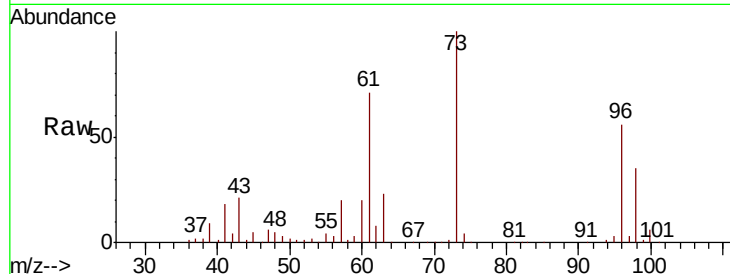




#21
trans-1,2-Dichloroethene
Concen: 89.510 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW015220.D
Acq: 20 Apr 2020 13:43

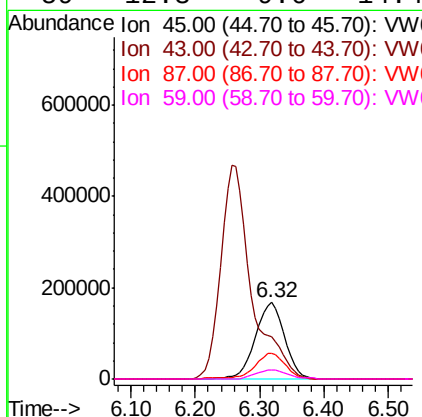
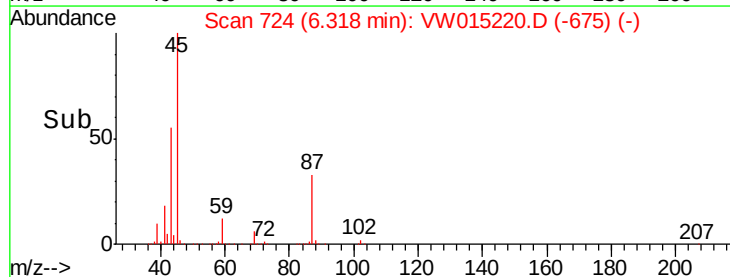
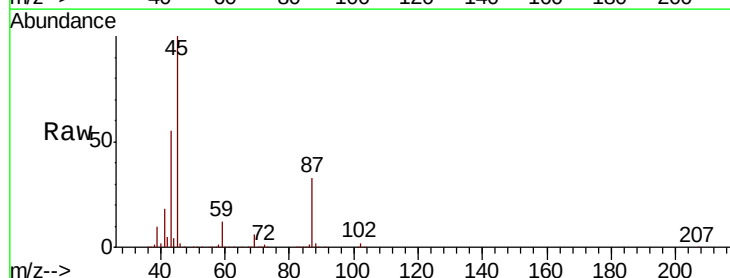
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

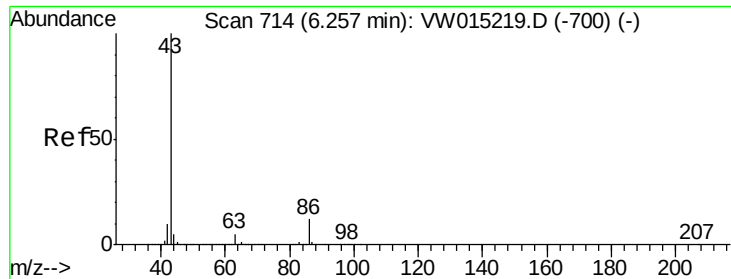
Tot Ion: 96 Resp: 228153
Ion Ratio Lower Upper
96 100
61 127.4 107.8 161.6
98 63.7 50.2 75.2



#22
Diisopropyl ether
Concen: 72.663 ug/l
RT: 6.32 min Scan# 724
Delta R.T. 0.00 min
Lab File: VW015220.D
Acq: 20 Apr 2020 13:43

Tgt Ion: 45 Resp: 523719
Ion Ratio Lower Upper
45 100
43 54.9 41.8 62.6
87 33.4 23.2 34.8
59 12.3 9.6 14.4





#23

Vinyl Acetate

Concen: 375.144 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA_W

ClientSampled :

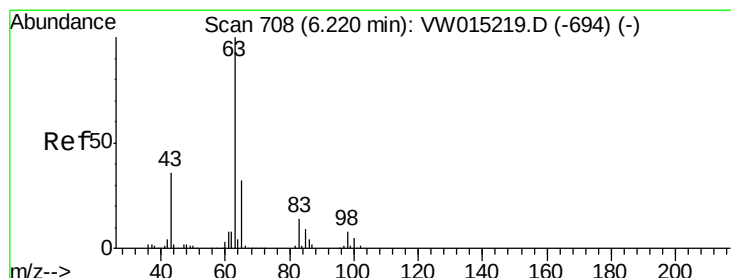
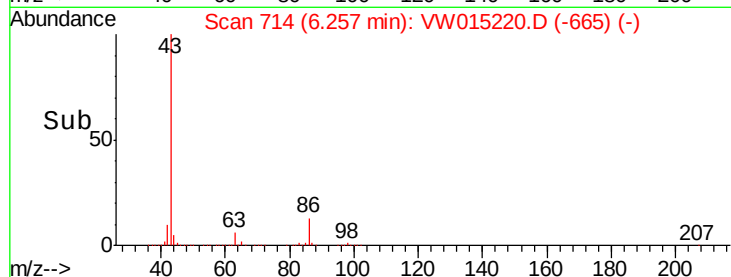
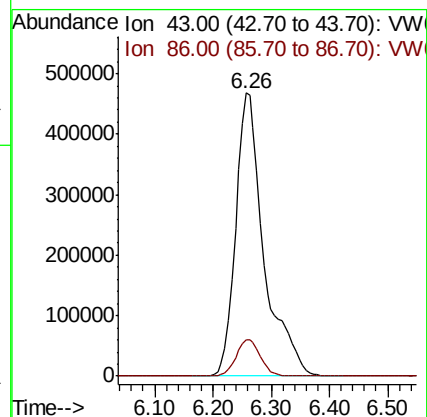
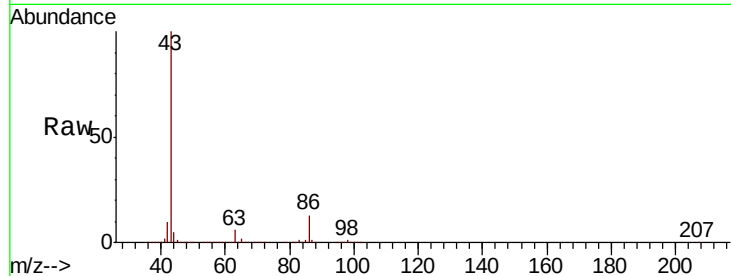
VSTDIC100

Tot Ion: 43 Resp: 1570250

Ion Ratio Lower Upper

43 100

86 12.7 9.1 13.7



#24

1,1-Dichloroethane

Concen: 83.345 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

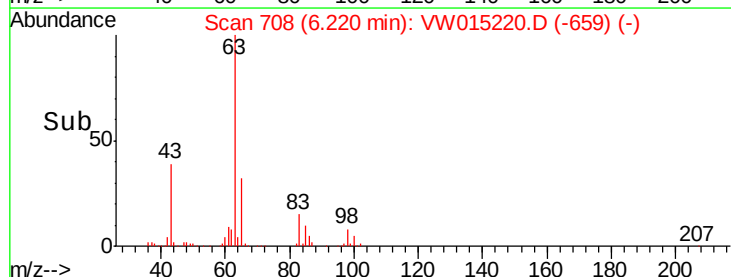
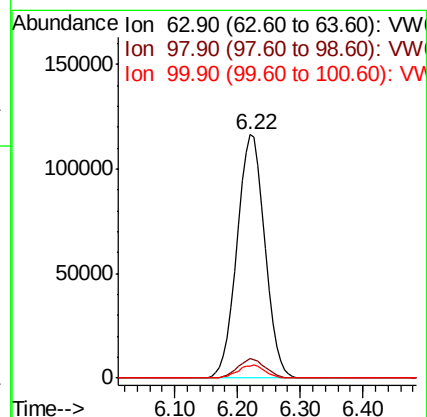
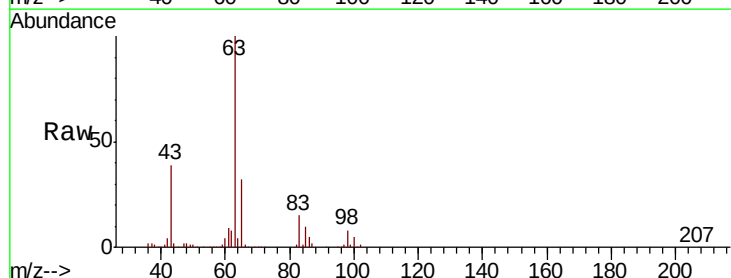
Tgt Ion: 63 Resp: 357144

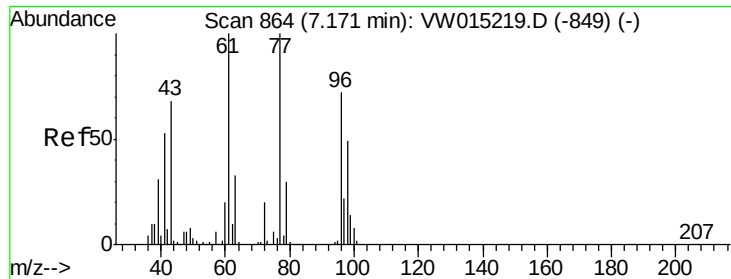
Ion Ratio Lower Upper

63 100

98 8.1 3.6 10.9

100 4.8 2.4 7.2





#25

2-Butanone

Concen: 396.783 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA_W

ClientSampled :

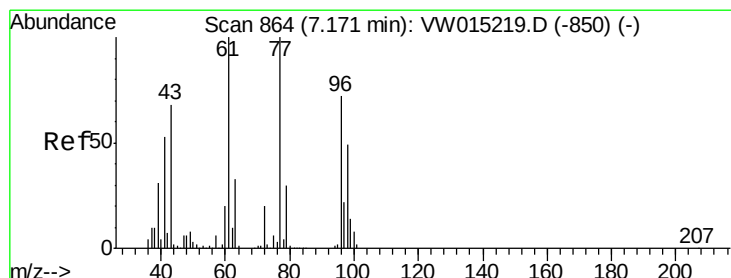
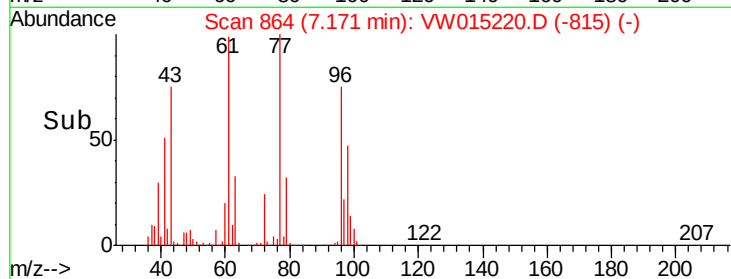
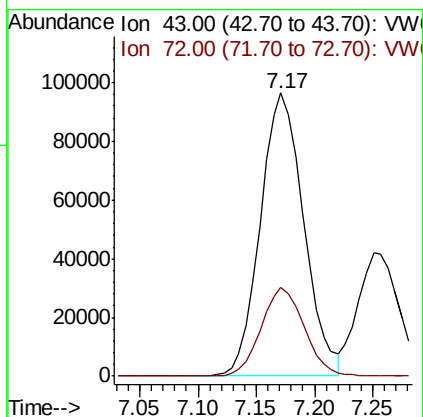
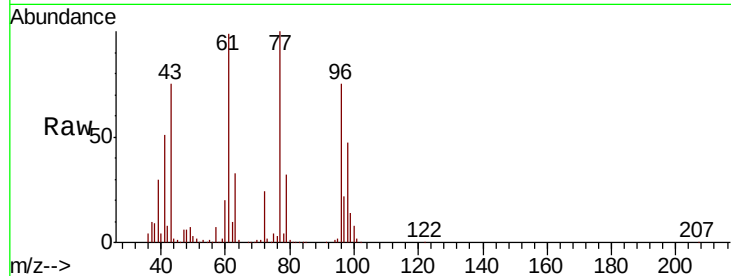
VSTDIC100

Tot Ion: 43 Resp: 247886

Ion Ratio Lower Upper

43 100

72 31.6 21.6 32.4



#26

2,2-Dichloropropane

Concen: 127.797 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015220.D

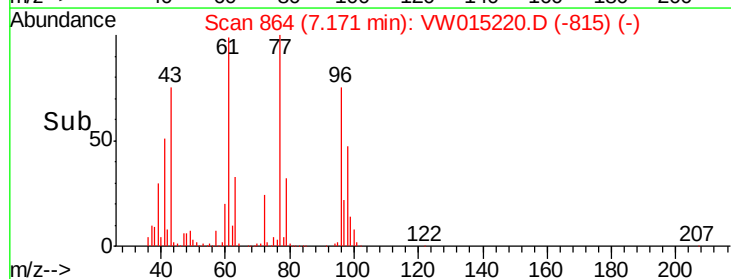
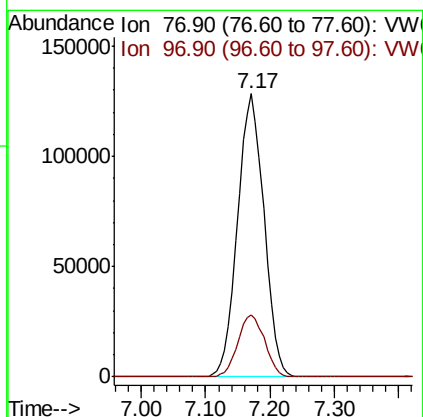
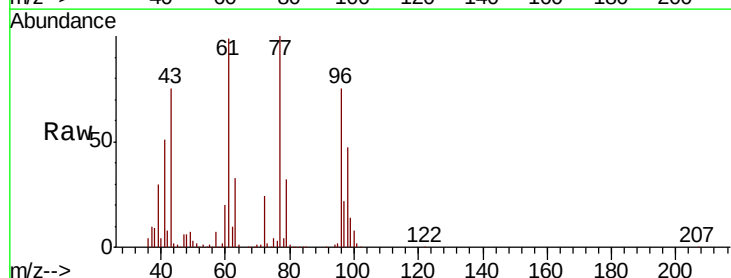
Acq: 20 Apr 2020 13:43

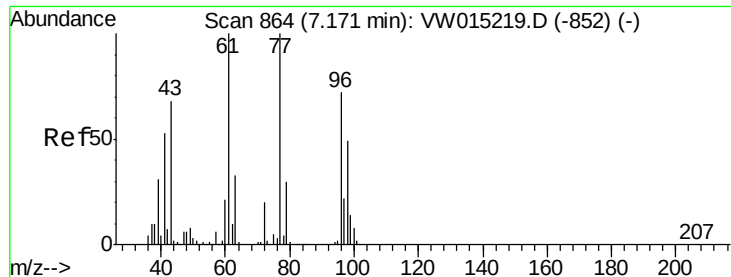
Tgt Ion: 77 Resp: 364460

Ion Ratio Lower Upper

77 100

97 22.3 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 90.637 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

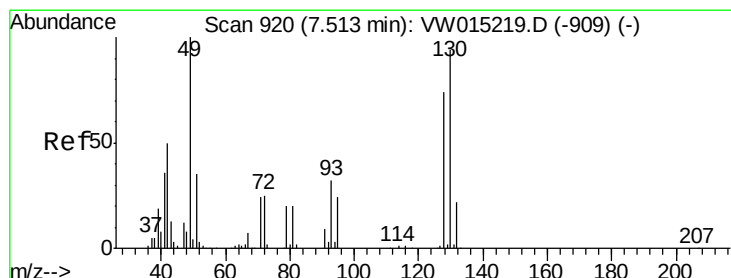
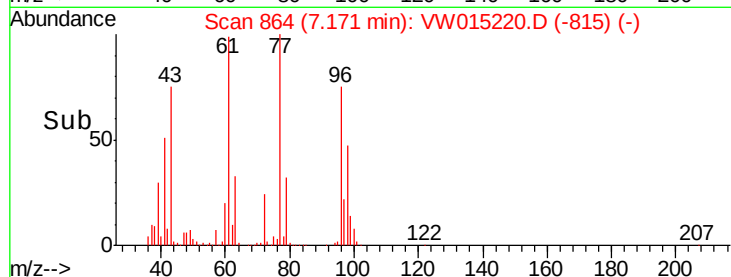
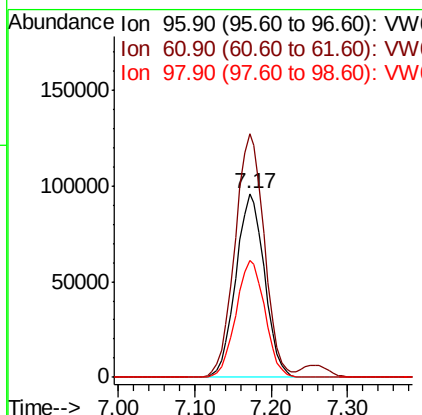
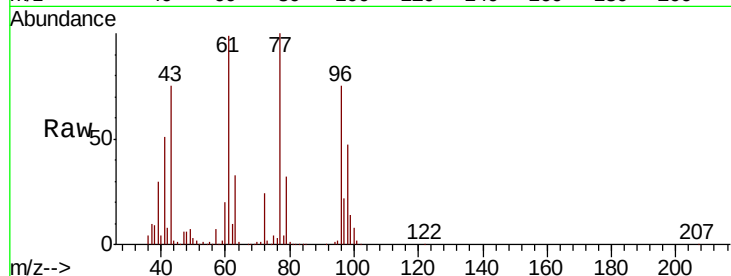
Tot Ion: 96 Resp: 249049

Ion Ratio Lower Upper

96 100

61 135.7 0.0 275.0

98 64.2 0.0 130.8



#28

Bromochloromethane

Concen: 71.671 ug/l

RT: 7.51 min Scan# 920

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

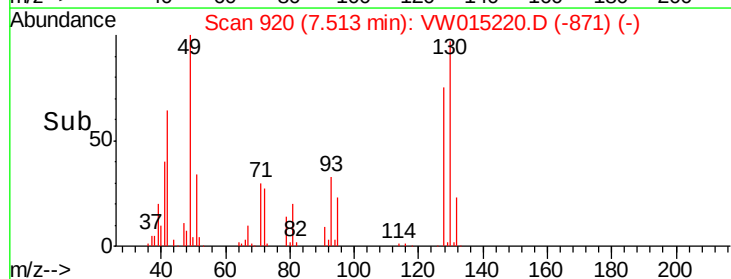
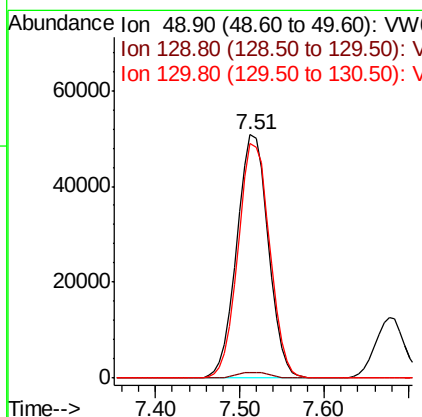
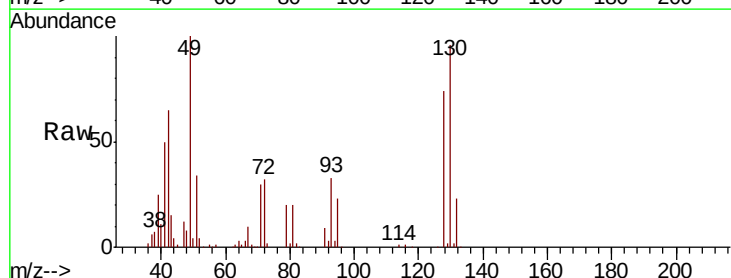
Tgt Ion: 49 Resp: 128357

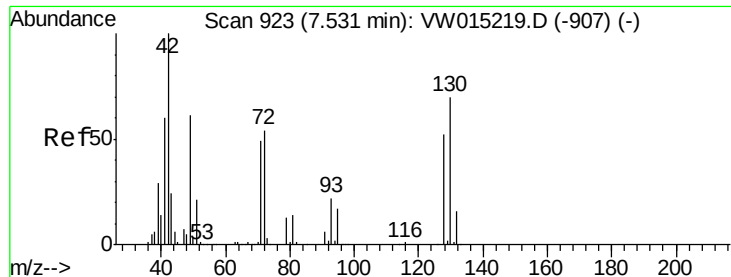
Ion Ratio Lower Upper

49 100

129 2.5 0.0 4.6

130 96.6 60.9 91.3#

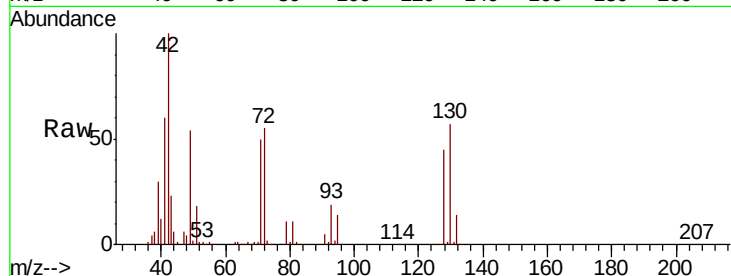




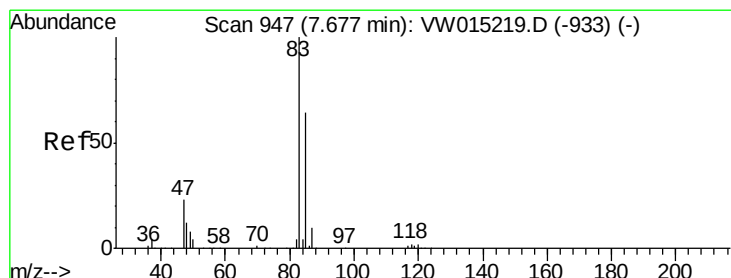
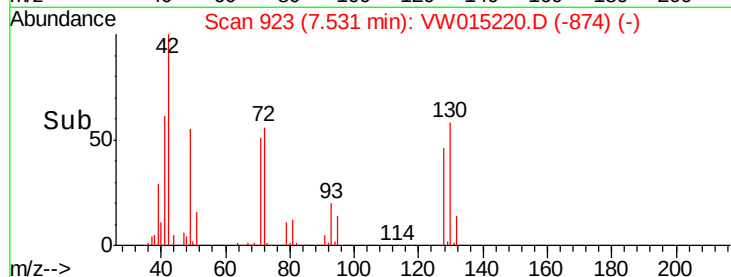
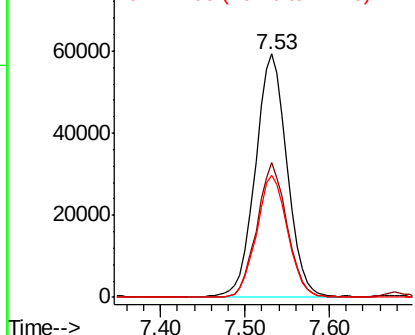
#29
Tetrahydrofuran
Concen: 372.408 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW015220.D
Acq: 20 Apr 2020 13:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 42 Resp: 152508
Ion Ratio Lower Upper
42 100
72 52.8 36.2 54.2
71 49.3 34.2 51.4

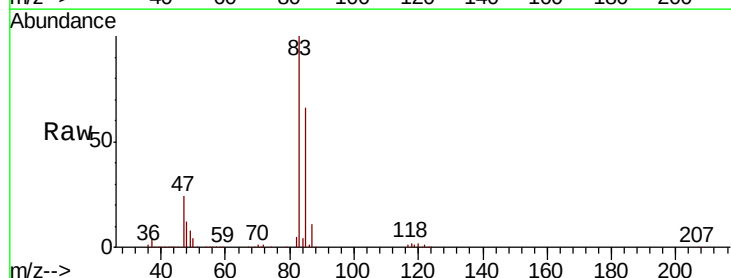


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

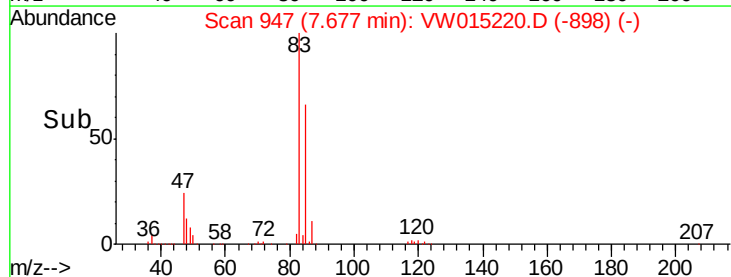
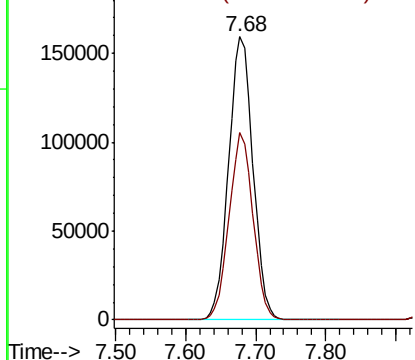


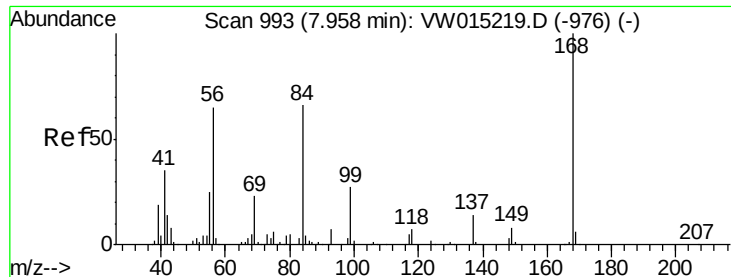
#30
Chloroform
Concen: 91.891 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015220.D
Acq: 20 Apr 2020 13:43

Tgt Ion: 83 Resp: 385720
Ion Ratio Lower Upper
83 100
85 66.1 50.9 76.3



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

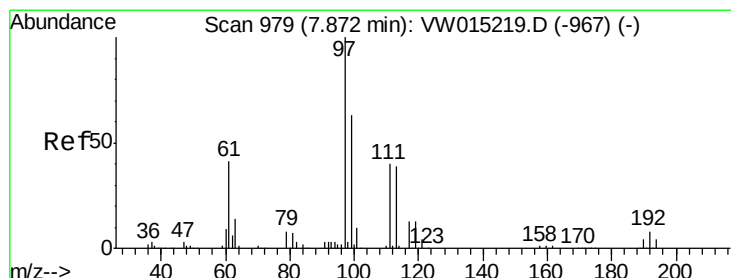
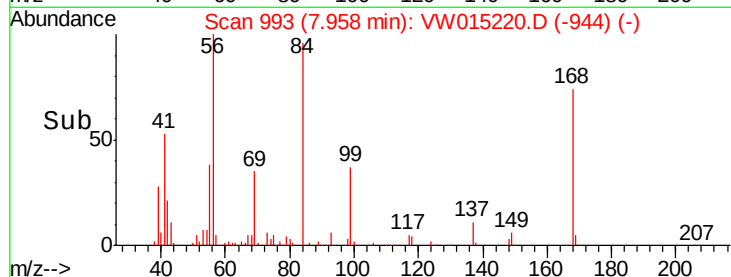
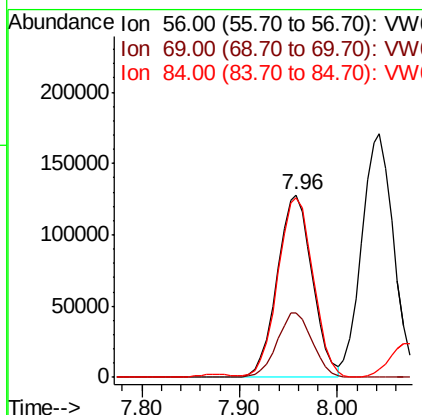
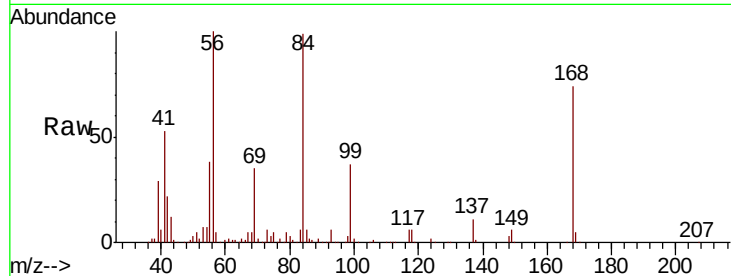




#31
Cyclohexane
Concen: 70.232 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015220.D
Acq: 20 Apr 2020 13:43

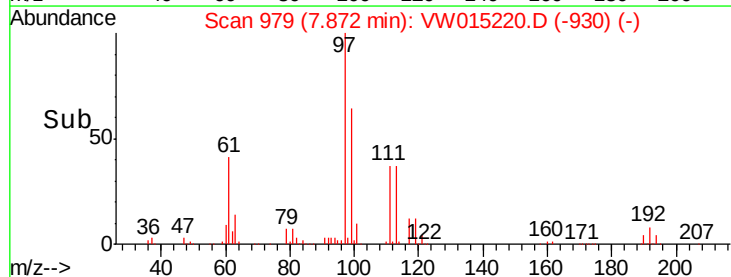
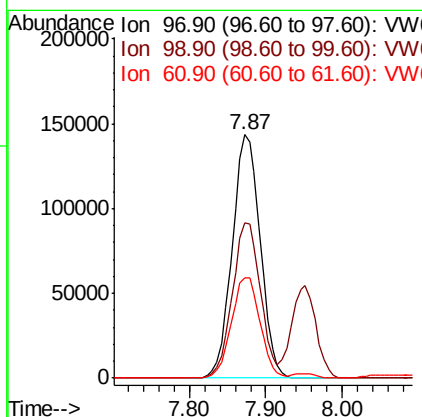
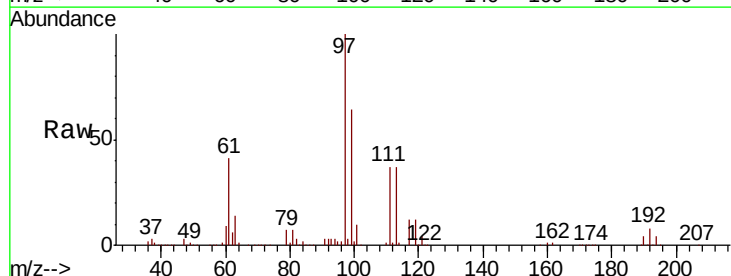
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

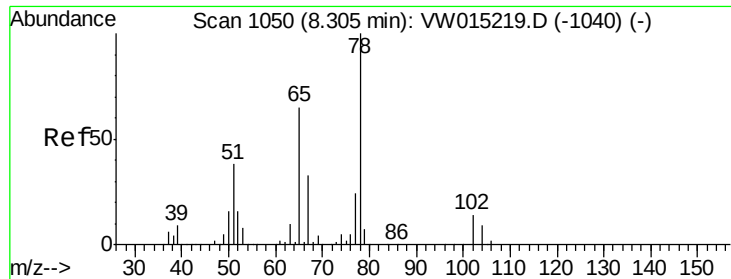
Tot Ion: 56 Resp: 321693
Ion Ratio Lower Upper
56 100
69 35.0 27.1 40.7
84 98.2 71.9 107.9



#32
1,1,1-Trichloroethane
Concen: 102.348 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015220.D
Acq: 20 Apr 2020 13:43

Tgt Ion: 97 Resp: 361907
Ion Ratio Lower Upper
97 100
99 64.3 52.2 78.2
61 42.5 34.2 51.2

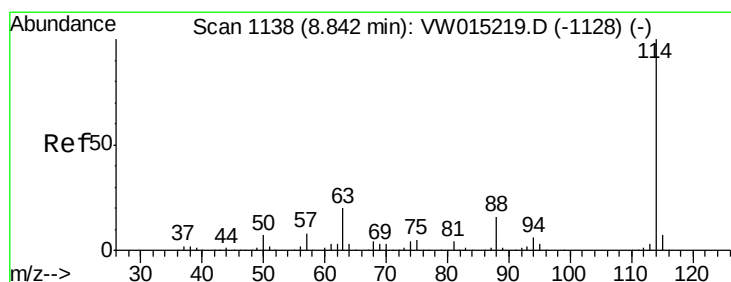
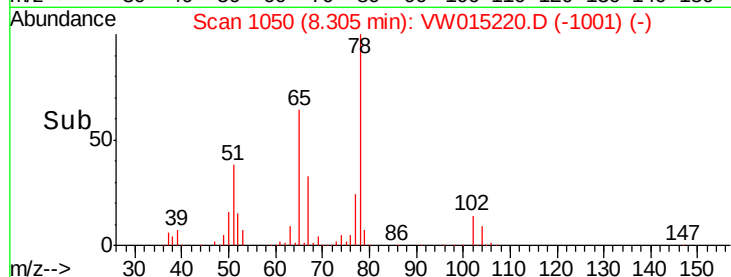
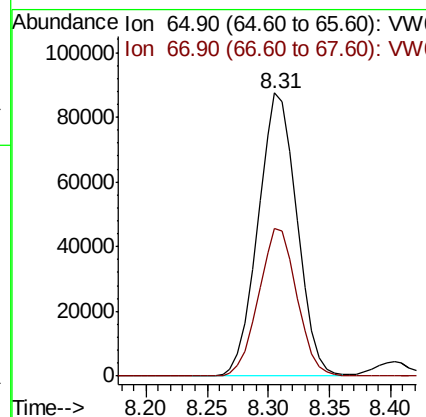
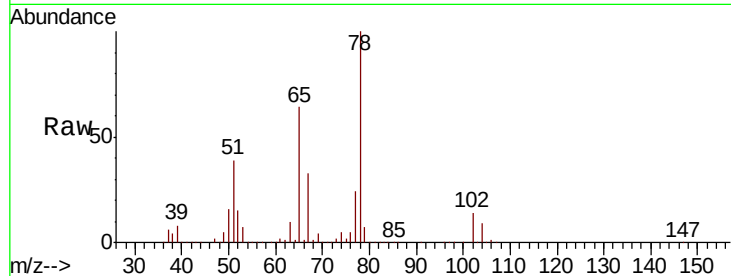




#33
 1,2-Dichloroethane-d4
 Concen: 88.088 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015220.D
 Acq: 20 Apr 2020 13:43

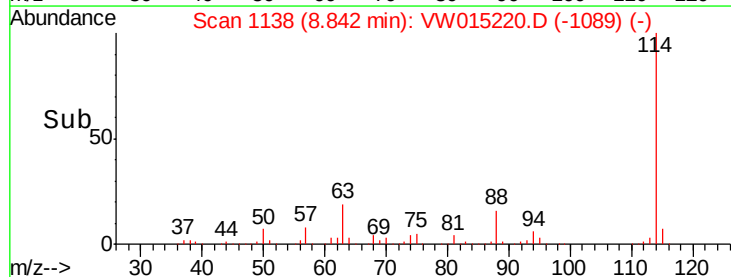
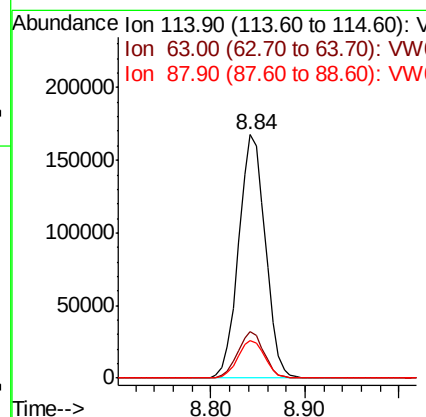
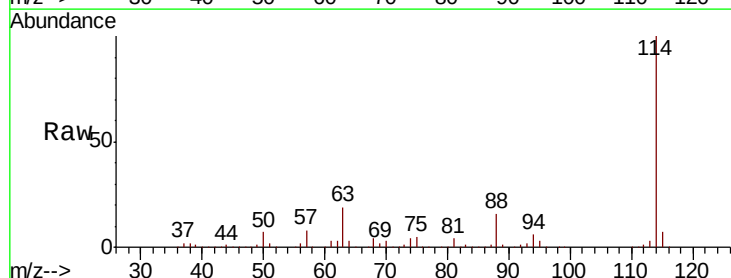
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

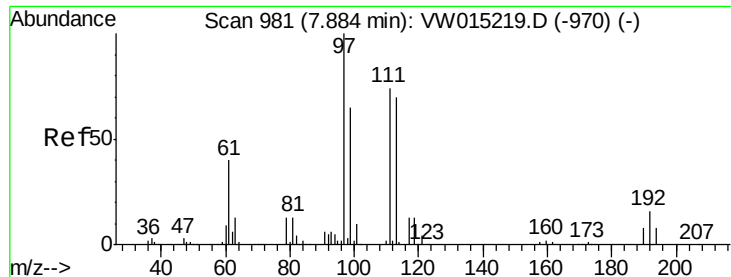
Tot Ion: 65 Resp: 193079
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015220.D
 Acq: 20 Apr 2020 13:43

Tgt Ion: 114 Resp: 330349
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.8
 88 15.5 0.0 30.2

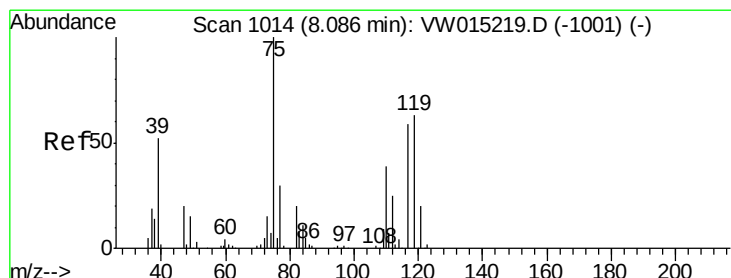
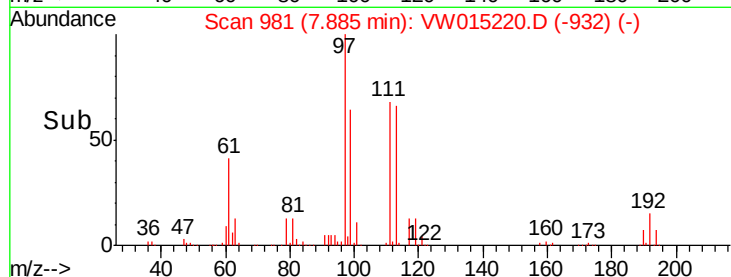
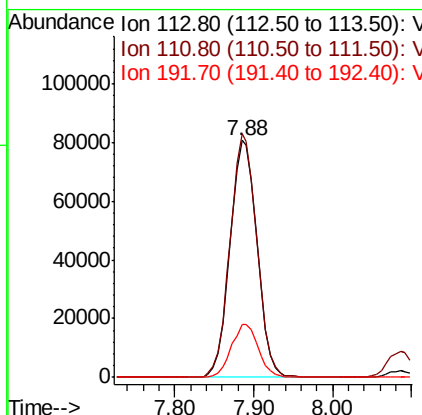
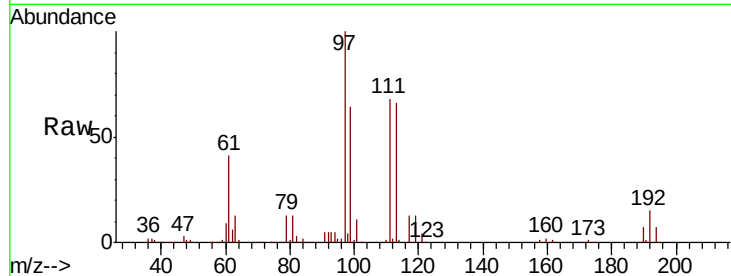




#35
 Dibromofluoromethane
 Concen: 105.250 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW015220.D
 Acq: 20 Apr 2020 13:43

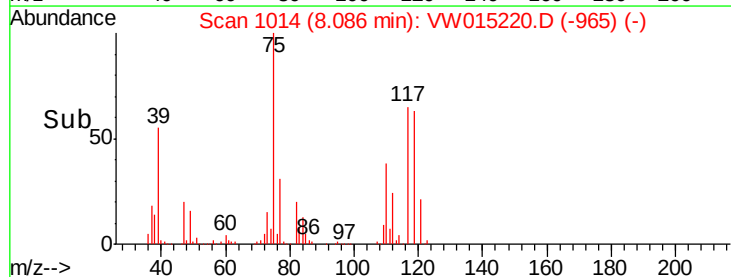
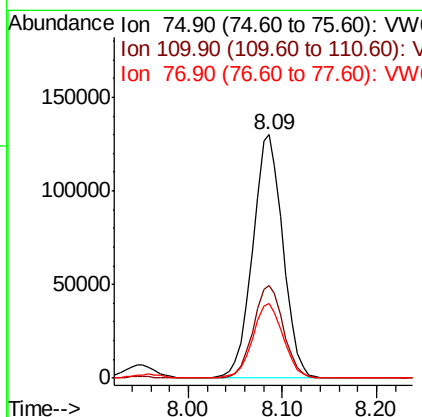
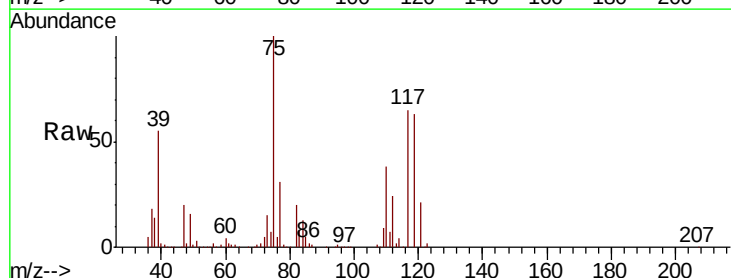
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

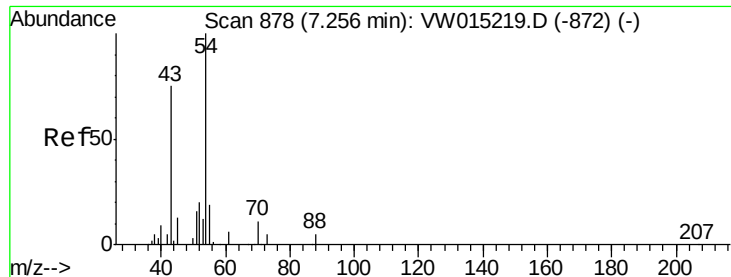
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.0	124.4
192	22.3	15.1	22.7



#36
 1,1-Dichloropropene
 Concen: 99.136 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW015220.D
 Acq: 20 Apr 2020 13:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.8	18.2	54.6
77	31.2	24.5	36.7

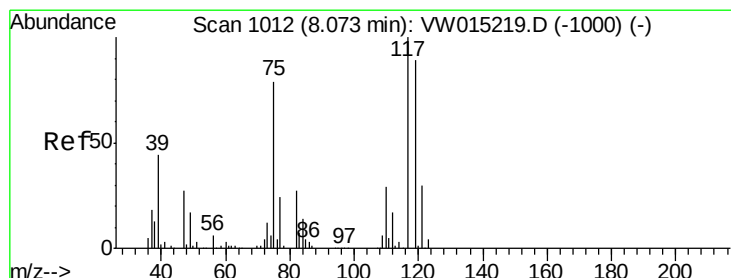
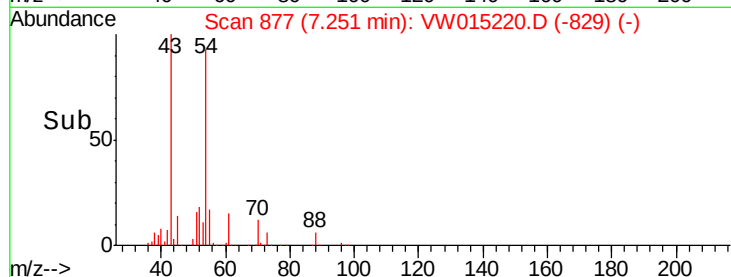
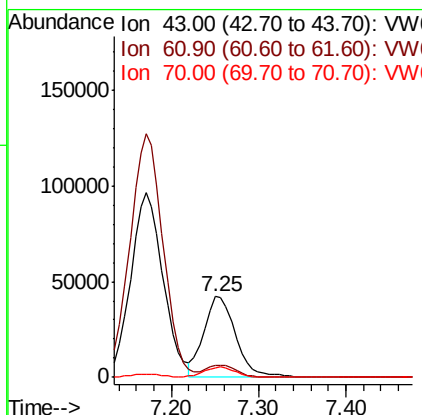
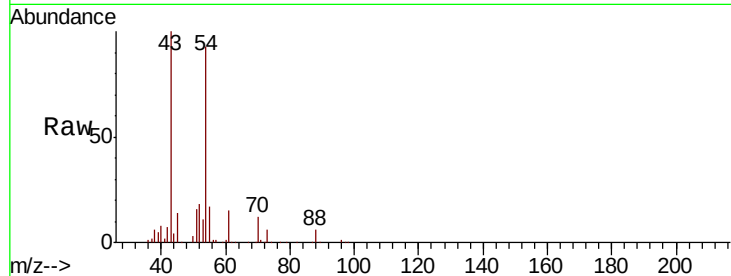




#37
Ethyl Acetate
Concen: 85.926 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW015220.D
Acq: 20 Apr 2020 13:43

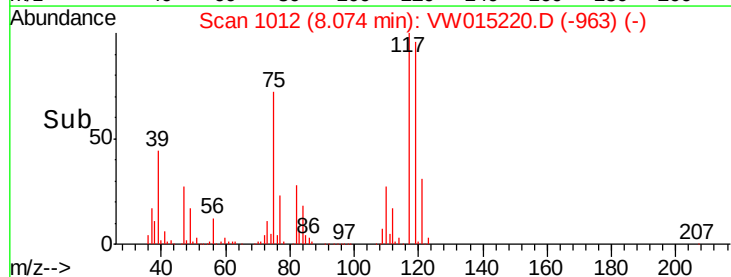
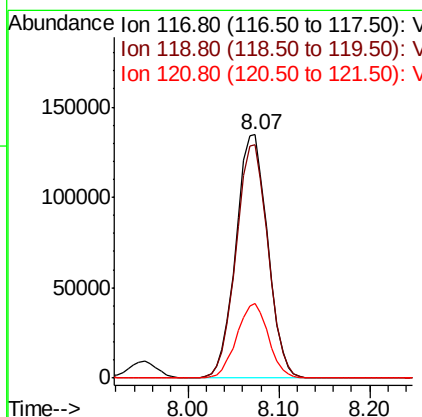
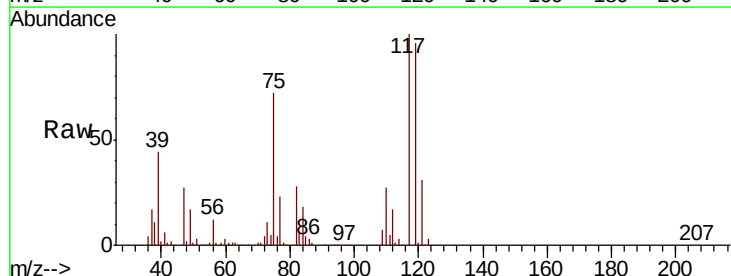
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

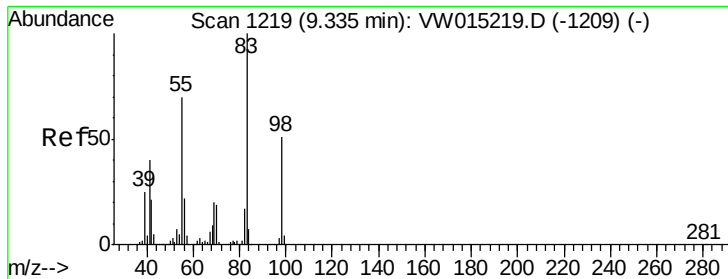
Tot Ion: 43 Resp: 105540
Ion Ratio Lower Upper
43 100
61 15.5 11.9 17.9
70 13.0 8.8 13.2



#38
Carbon Tetrachloride
Concen: 120.922 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW015220.D
Acq: 20 Apr 2020 13:43

Tgt Ion: 117 Resp: 328094
Ion Ratio Lower Upper
117 100
119 95.9 72.3 108.5
121 30.7 23.7 35.5

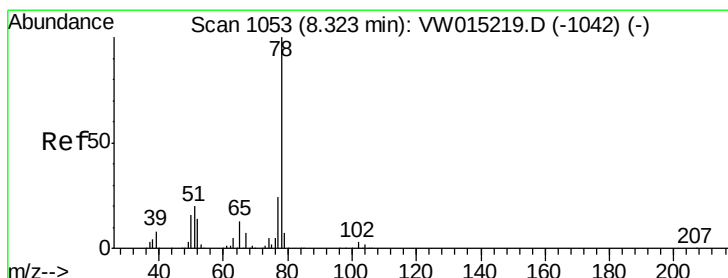
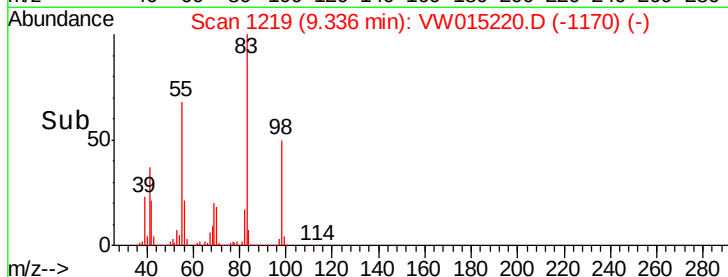
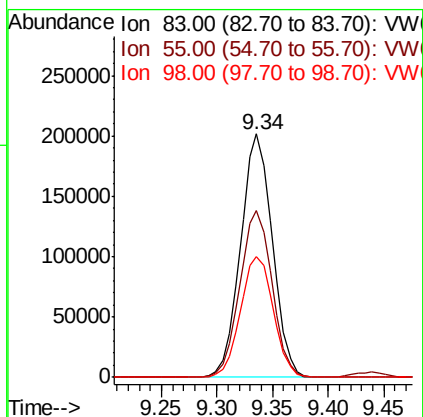
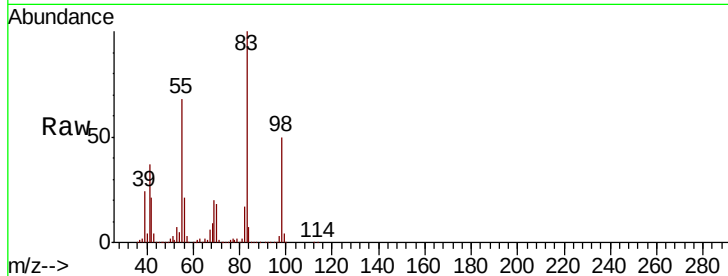




#39
Methylvlcyclohexane
Concen: 100.802 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015220.D
Acq: 20 Apr 2020 13:43

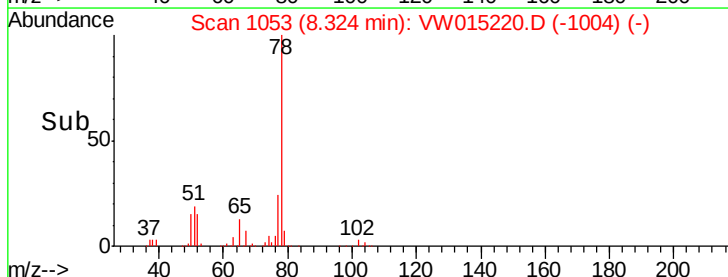
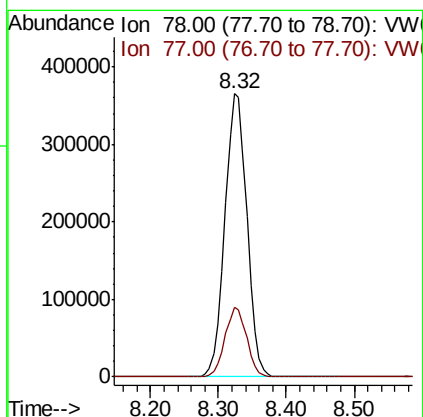
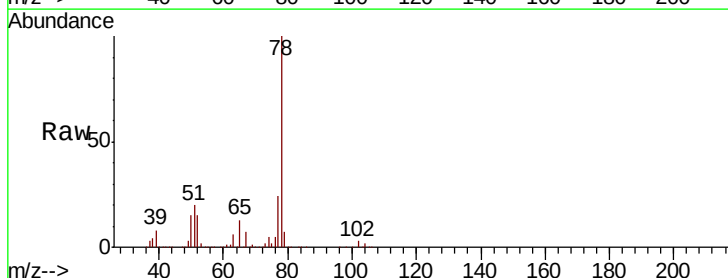
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

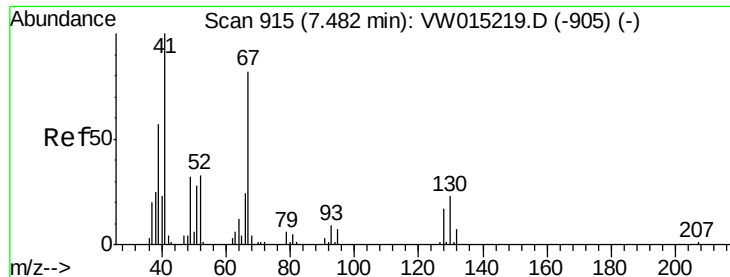
Tot Ion: 83 Resp: 399759
Ion Ratio Lower Upper
83 100
55 68.2 58.1 87.1
98 49.8 40.2 60.4



#40
Benzene
Concen: 97.409 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015220.D
Acq: 20 Apr 2020 13:43

Tgt Ion: 78 Resp: 816282
Ion Ratio Lower Upper
78 100
77 24.5 18.2 27.2

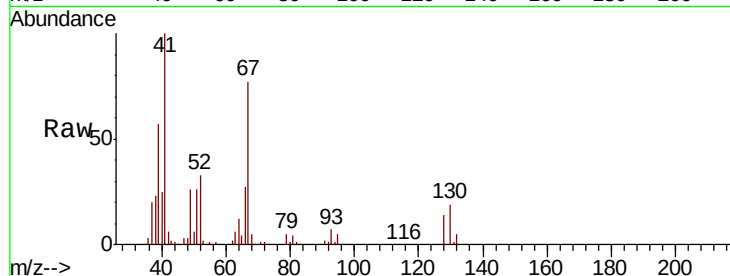




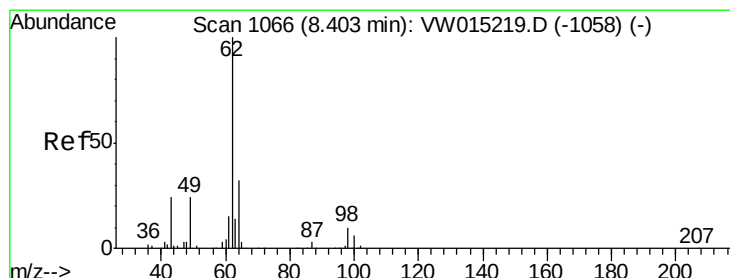
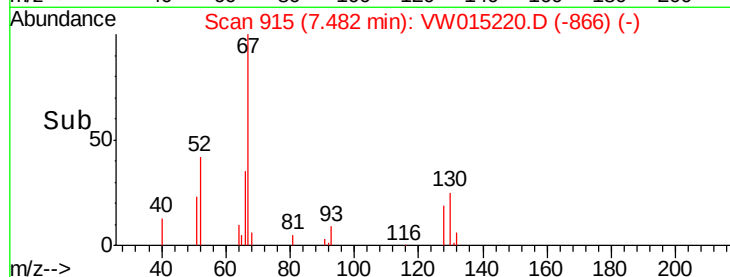
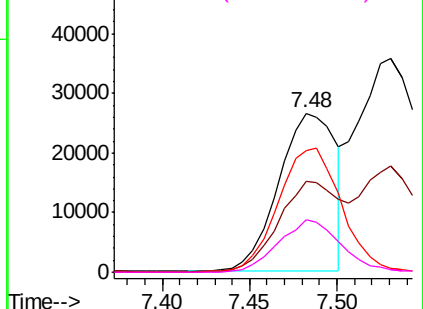
#41
Methacrylonitrile
Concen: 83.205 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW015220.D
Acq: 20 Apr 2020 13:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:	41	Resp:	60469
Ion	Ratio	Lower	Upper
41	100		
39	63.9	41.9	62.9#
67	86.9	60.6	91.0
52	36.4	23.8	35.8#

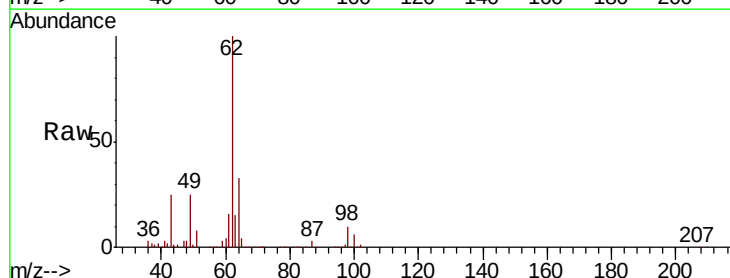


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

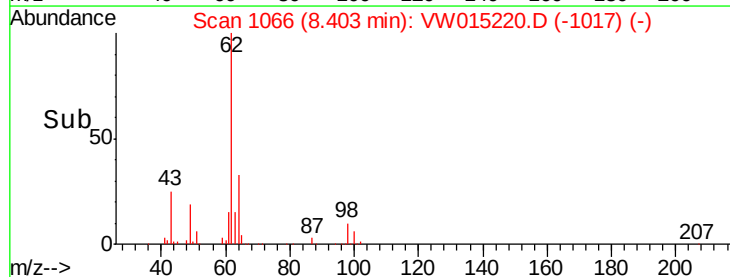
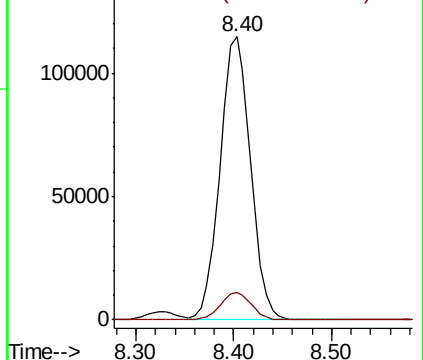


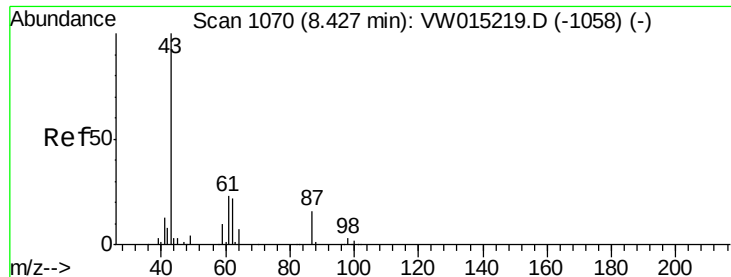
#42
1,2-Dichloroethane
Concen: 116.067 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015220.D
Acq: 20 Apr 2020 13:43

Tgt Ion:	62	Resp:	246857
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.4



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





#43

Isopropyl Acetate

Concen: 91.441 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

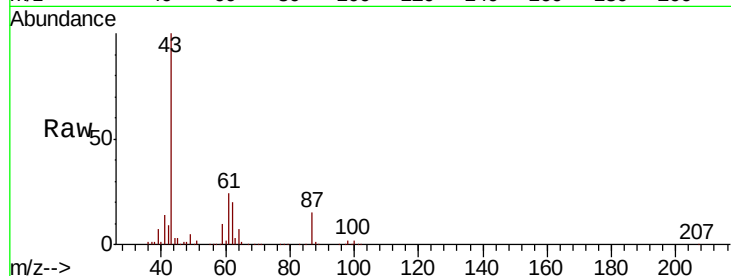
Tot Ion: 43 Resp: 219487

Ion Ratio Lower Upper

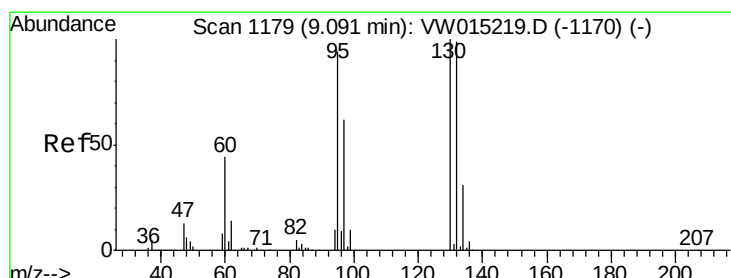
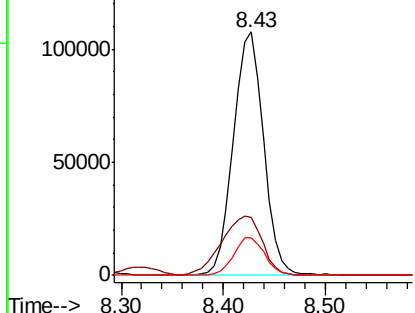
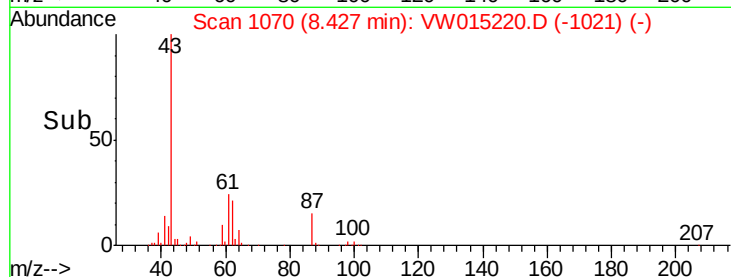
43 100

61 33.0 24.8 37.2

87 15.9 11.4 17.2



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: 111.672 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015220.D

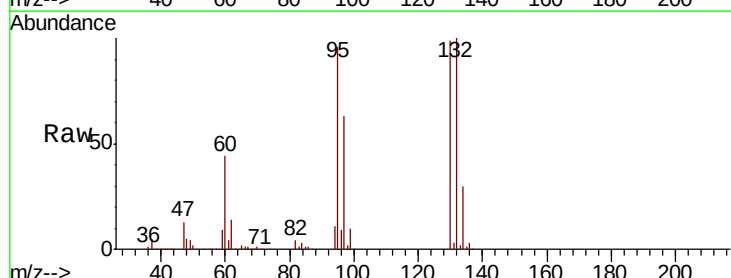
Acq: 20 Apr 2020 13:43

Tgt Ion:130 Resp: 245892

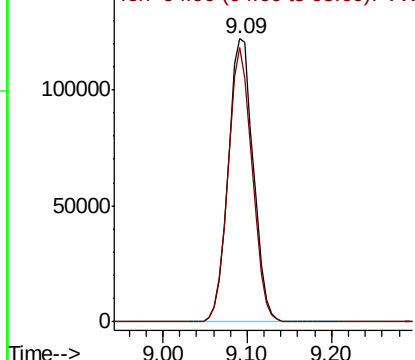
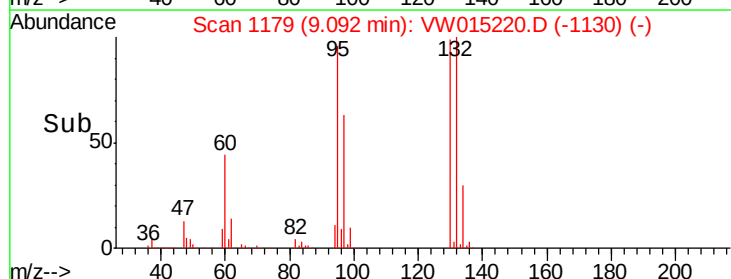
Ion Ratio Lower Upper

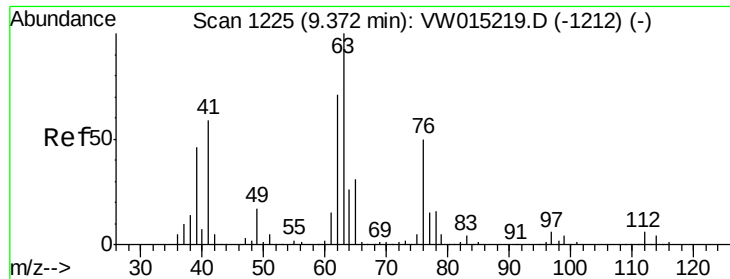
130 100

95 96.9 0.0 196.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

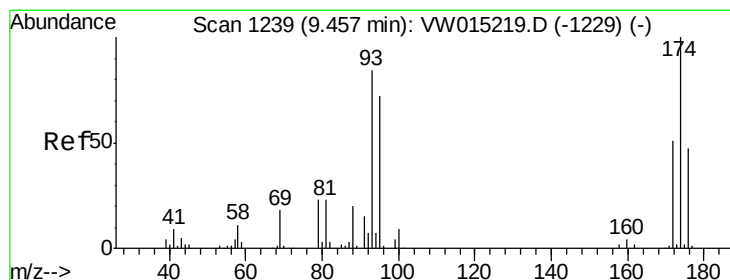
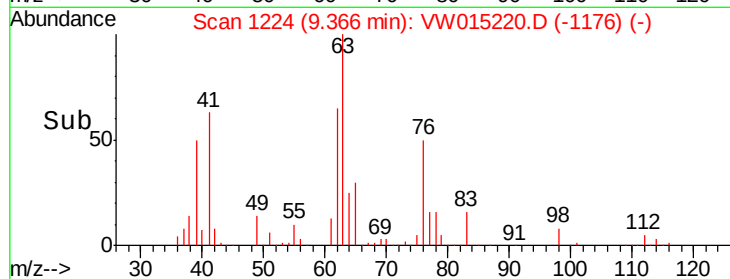
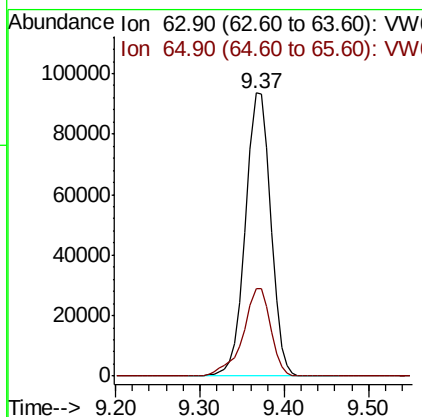
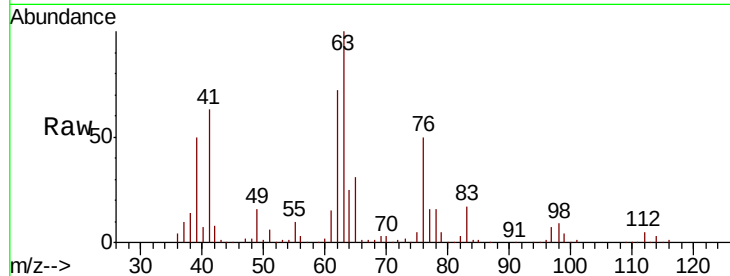




#45
 1,2-Dichloropropane
 Concen: 91.877 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW015220.D
 Acq: 20 Apr 2020 13:43

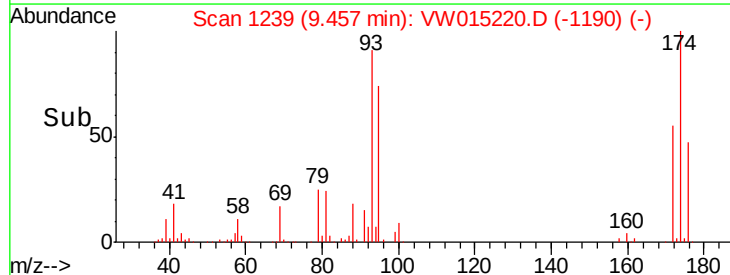
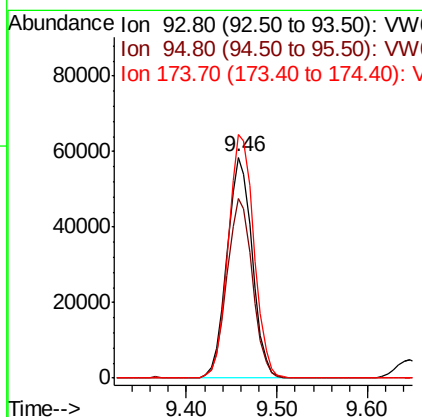
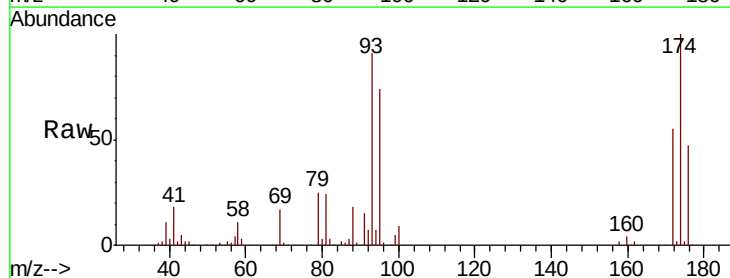
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

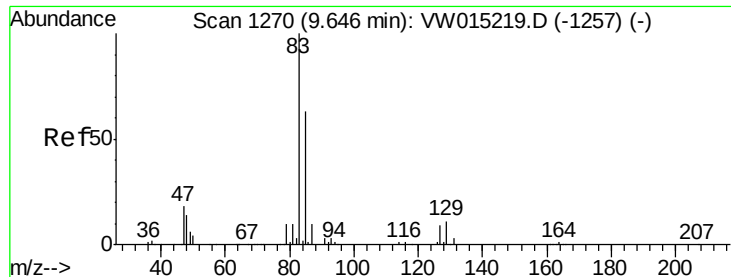
Tot Ion: 63 Resp: 189429
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.5 38.3



#46
 Dibromomethane
 Concen: 109.421 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW015220.D
 Acq: 20 Apr 2020 13:43

Tgt Ion: 93 Resp: 112747
 Ion Ratio Lower Upper
 93 100
 95 82.6 67.5 101.3
 174 112.5 74.1 111.1#





#47

Bromodichloromethane

Concen: 109.092 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

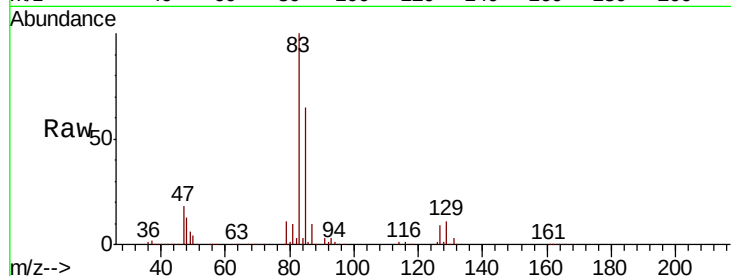
Tot Ion: 83 Resp: 291448

Ion Ratio Lower Upper

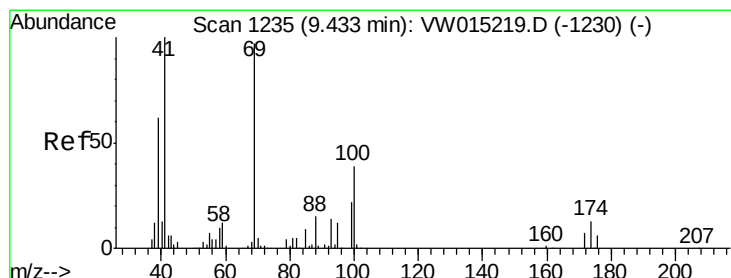
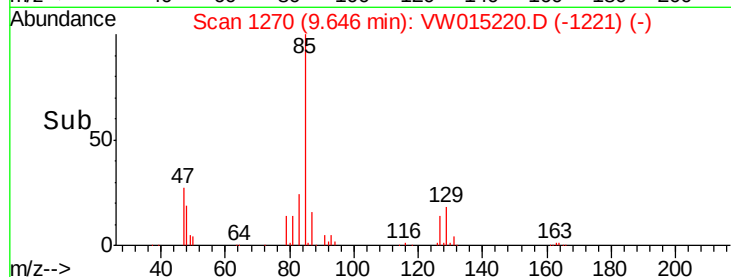
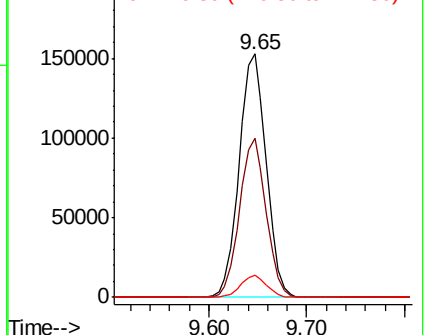
83 100

85 65.2 50.6 76.0

127 9.3 6.7 10.1



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



#48

Methyl methacrylate

Concen: 90.479 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

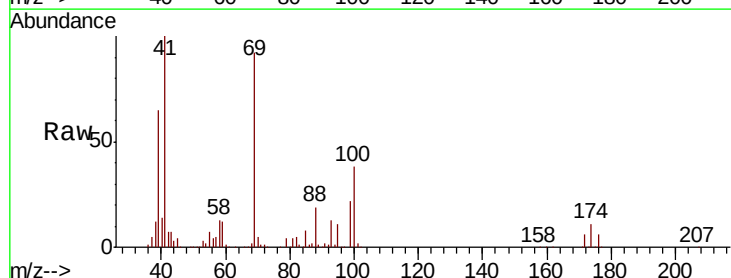
Tgt Ion: 41 Resp: 101580

Ion Ratio Lower Upper

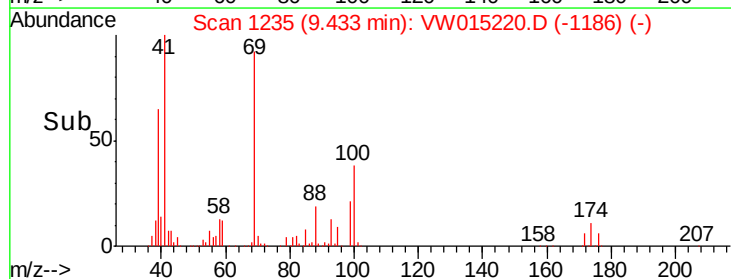
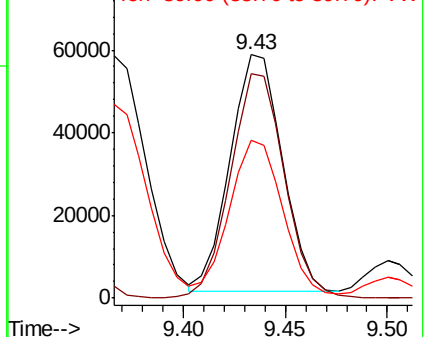
41 100

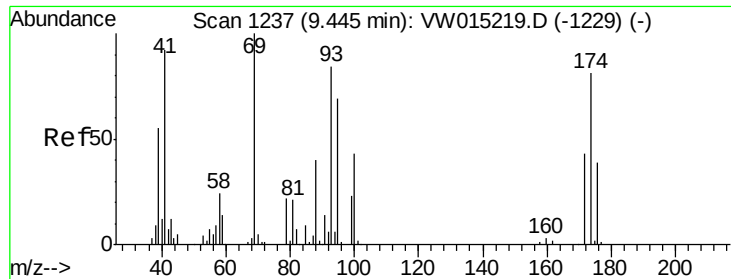
69 98.1 70.6 105.8

39 64.9 42.6 64.0#



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





#49

1,4-Dioxane

Concen: 2153.688 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

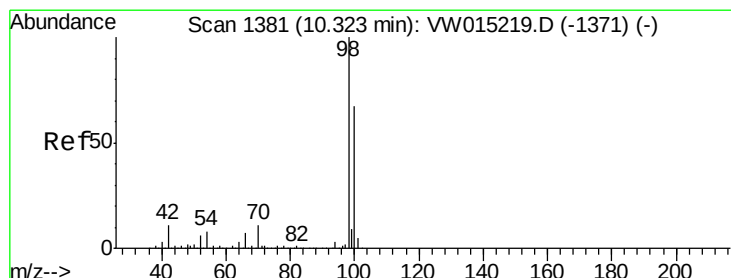
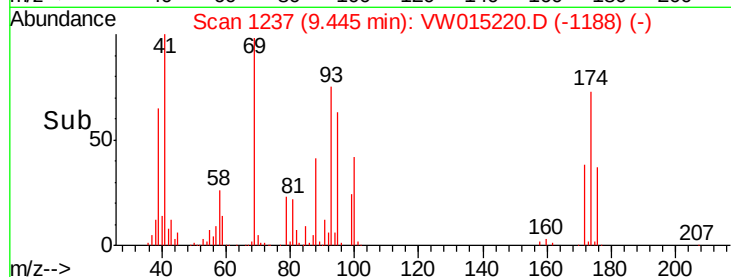
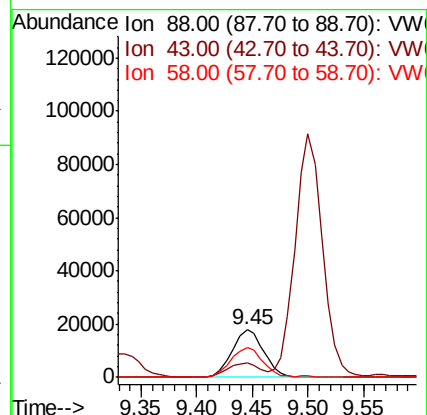
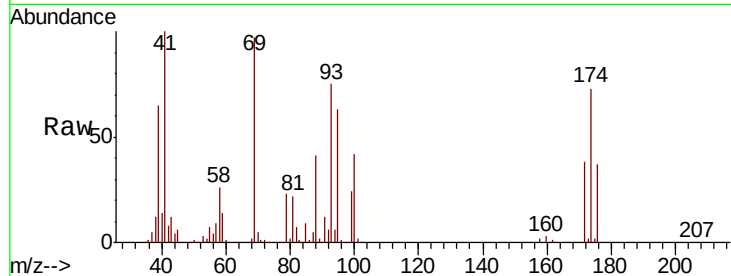
Tot Ion: 88 Resp: 35207

Ion Ratio Lower Upper

88 100

43 28.9 23.5 35.3

58 63.4 55.4 83.2



#50

Toluene-d8

Concen: 103.473 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW015220.D

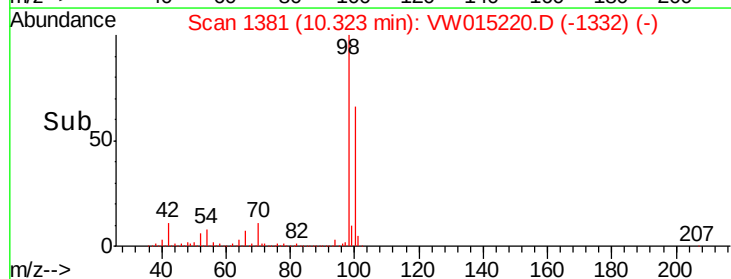
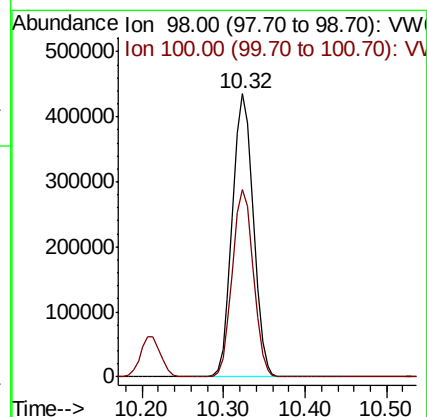
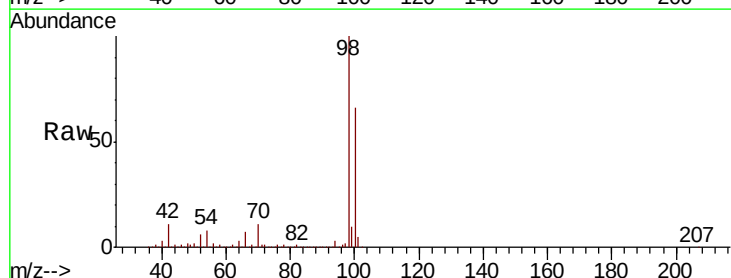
Acq: 20 Apr 2020 13:43

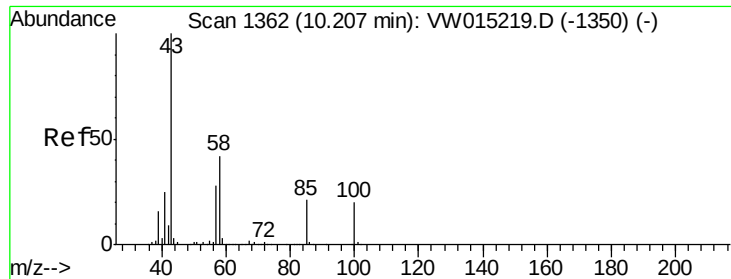
Tgt Ion: 98 Resp: 767877

Ion Ratio Lower Upper

98 100

100 66.2 52.9 79.3

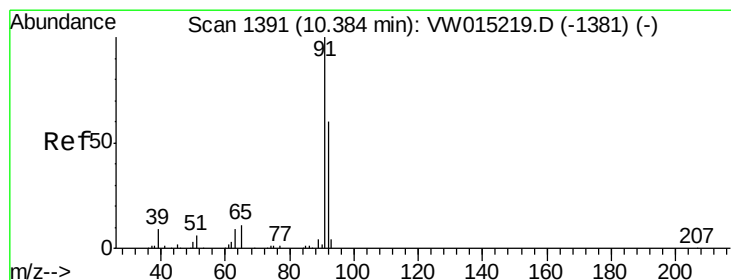
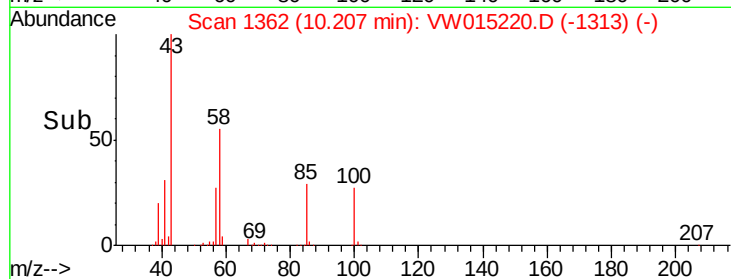
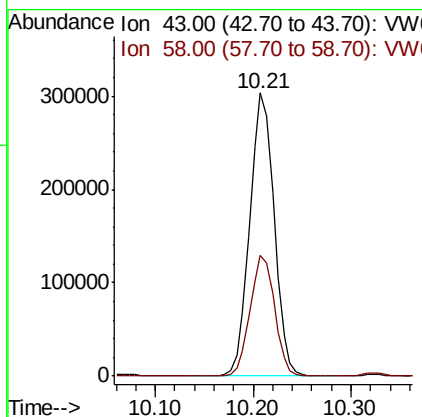
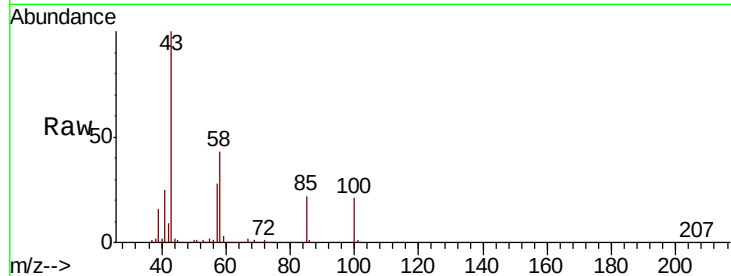




#51
 4-Methyl-2-Pentanone
 Concen: 414.727 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW015220.D
 Acq: 20 Apr 2020 13:43

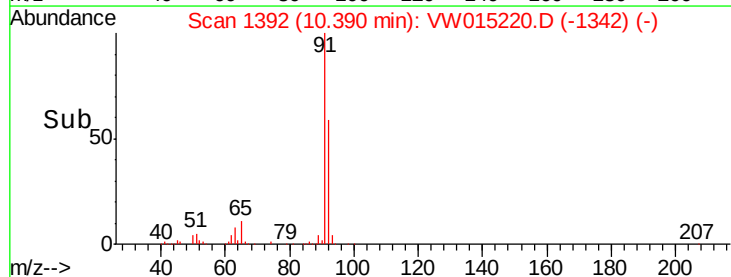
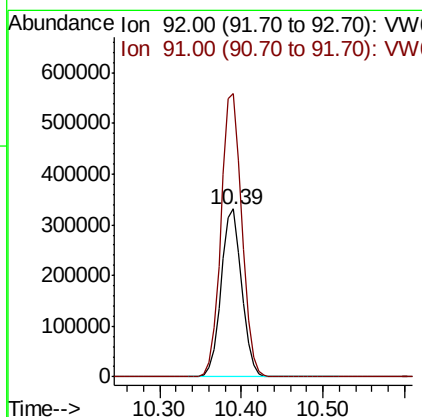
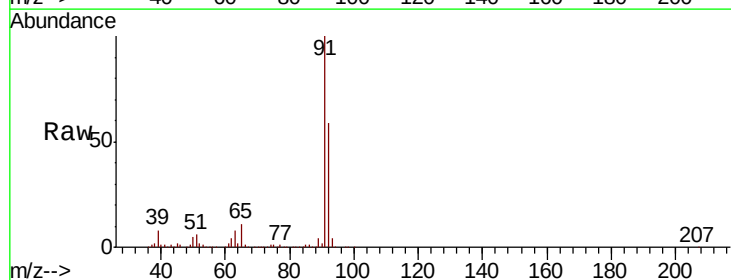
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

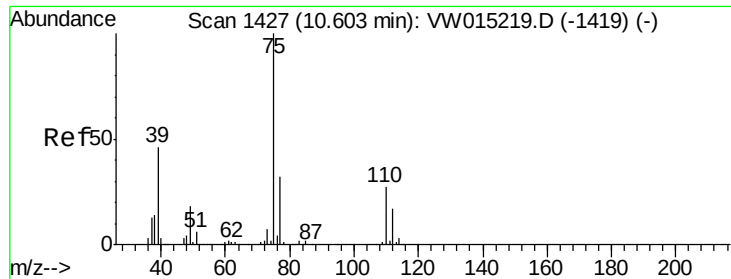
Tot Ion: 43 Resp: 526501
 Ion Ratio Lower Upper
 43 100
 58 43.0 32.3 48.5



#52
 Toluene
 Concen: 107.917 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VW015220.D
 Acq: 20 Apr 2020 13:43

Tgt Ion: 92 Resp: 578859
 Ion Ratio Lower Upper
 92 100
 91 171.2 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 110.391 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA_W

ClientSampleId :

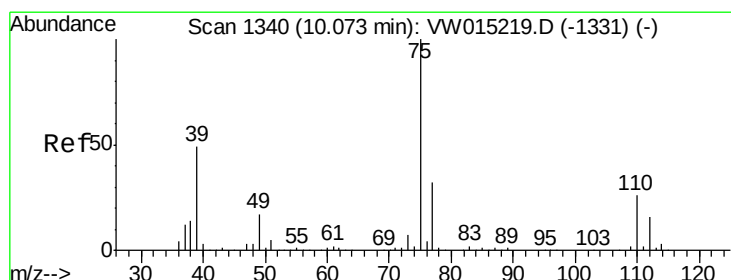
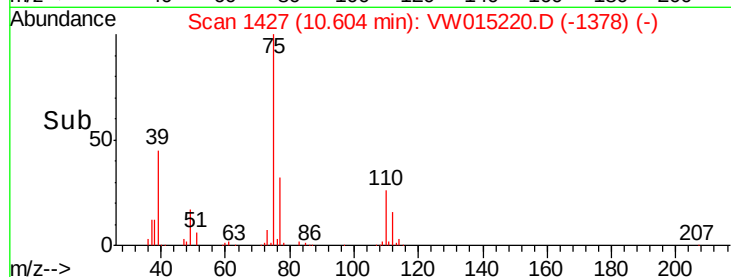
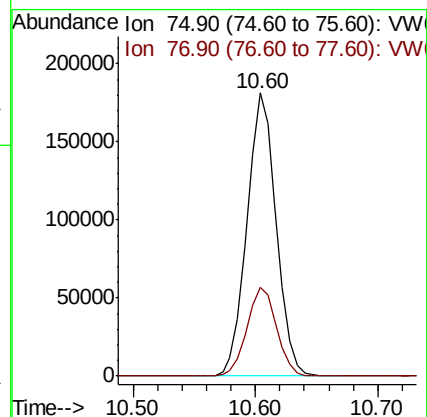
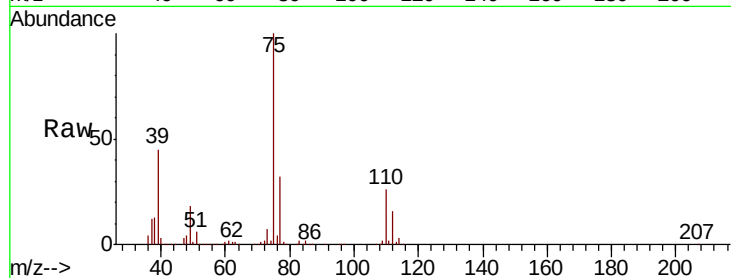
VSTDIC100

Tot Ion: 75 Resp: 300050

Ion Ratio Lower Upper

75 100

77 31.5 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 103.805 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

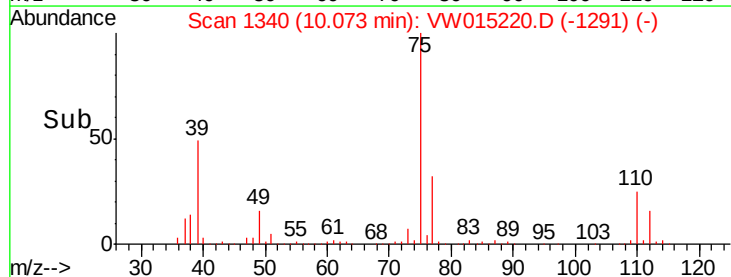
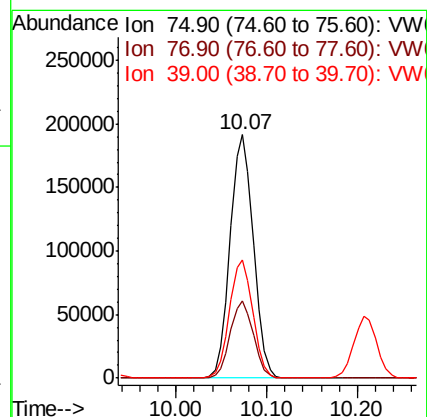
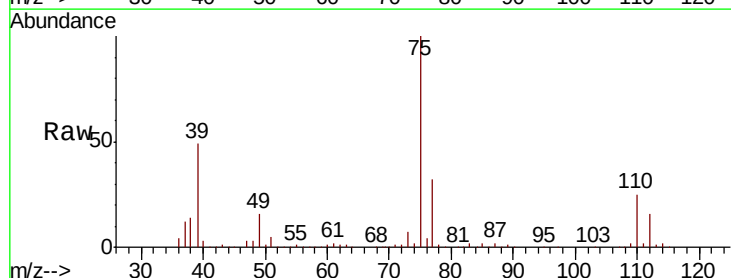
Tgt Ion: 75 Resp: 340387

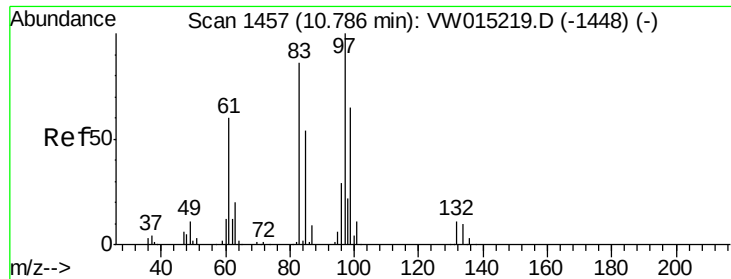
Ion Ratio Lower Upper

75 100

77 32.0 26.6 39.8

39 48.7 37.8 56.6





#55

1,1,2-Trichloroethane

Concen: 107.201 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 97 Resp: 156514

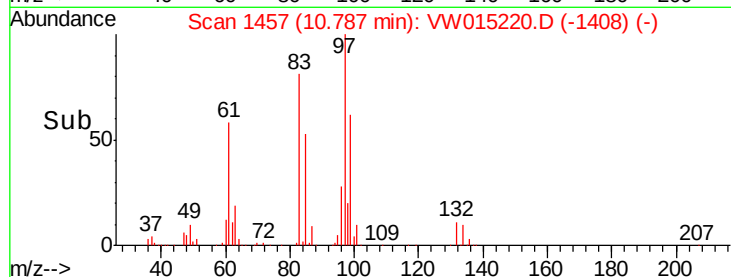
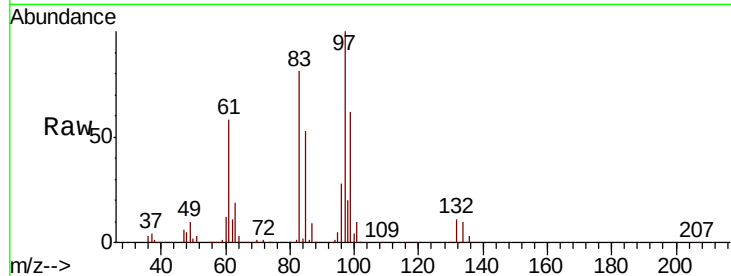
Ion	Ratio	Lower	Upper
97	100		
83	80.8	67.3	100.9
85	53.3	43.8	65.8
99	62.1	51.4	77.0

97 100

83 80.8 67.3 100.9

85 53.3 43.8 65.8

99 62.1 51.4 77.0

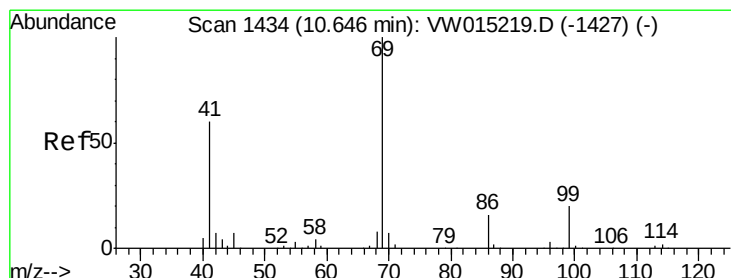
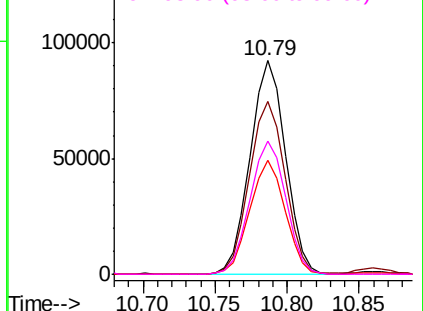


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 105.124 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

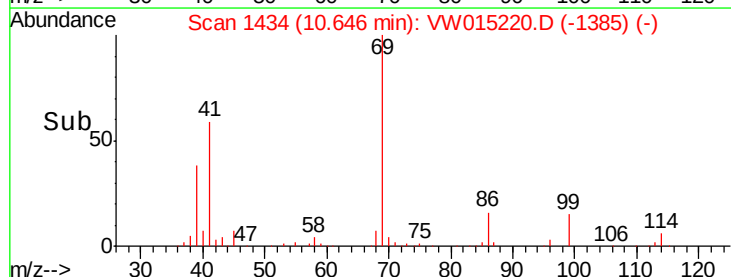
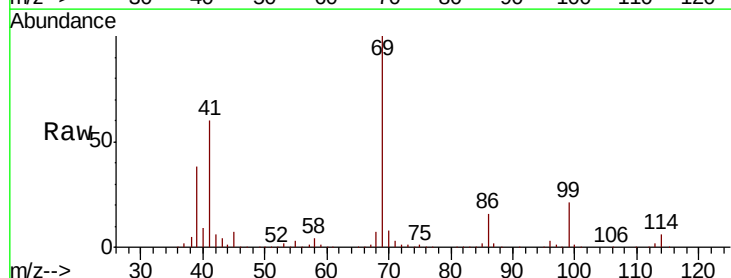
Tgt Ion: 69 Resp: 211500

Ion	Ratio	Lower	Upper
69	100		
41	59.3	51.3	76.9
39	34.7	24.6	37.0

69 100

41 59.3 51.3 76.9

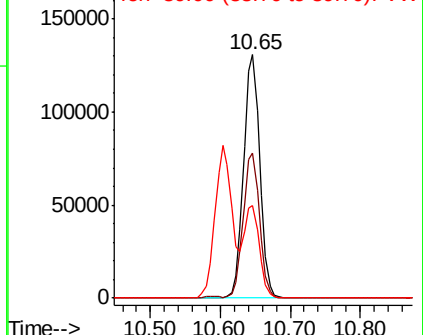
39 34.7 24.6 37.0

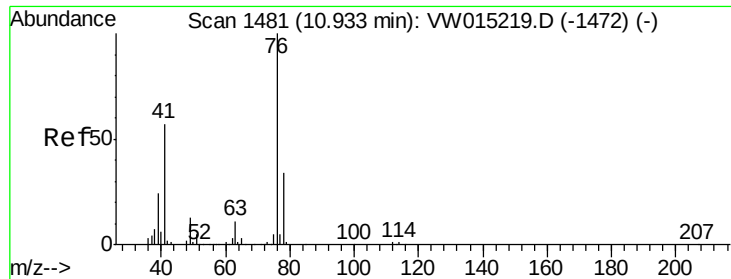


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

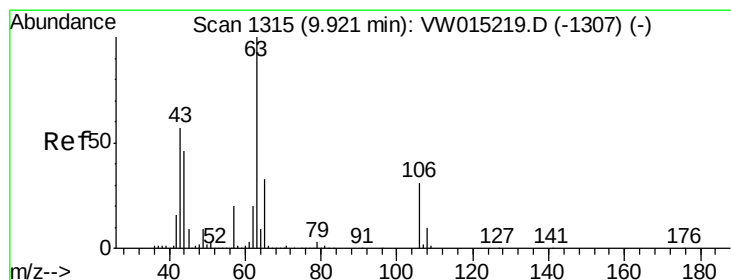
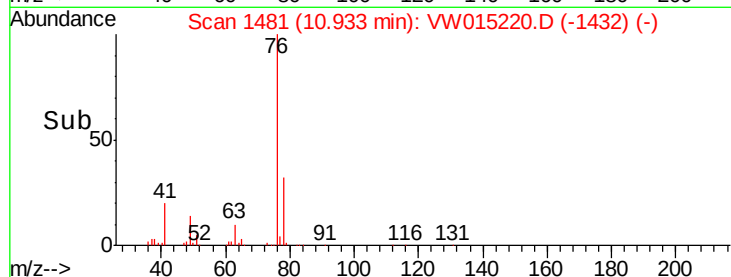
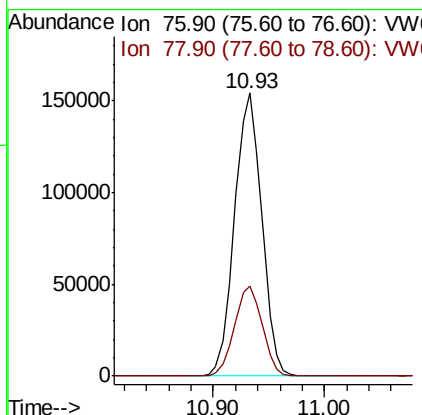
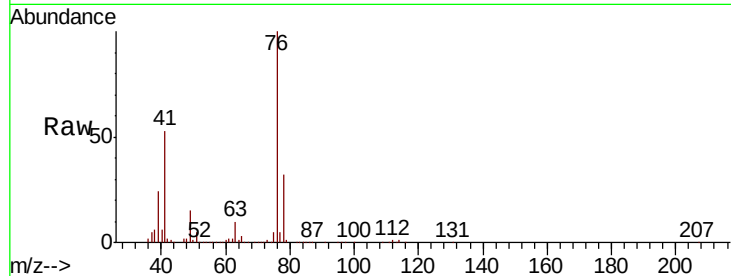




#57
 1,3-Dichloropropane
 Concen: 101.795 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015220.D
 Acq: 20 Apr 2020 13:43

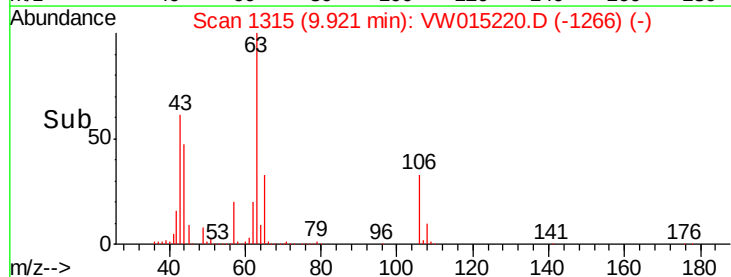
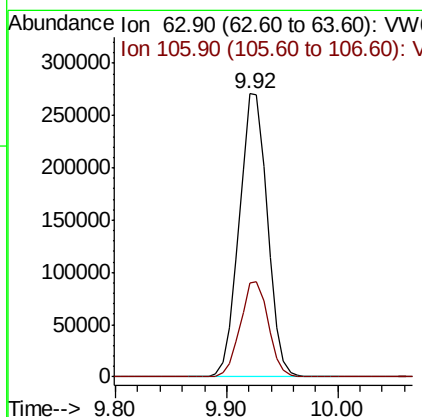
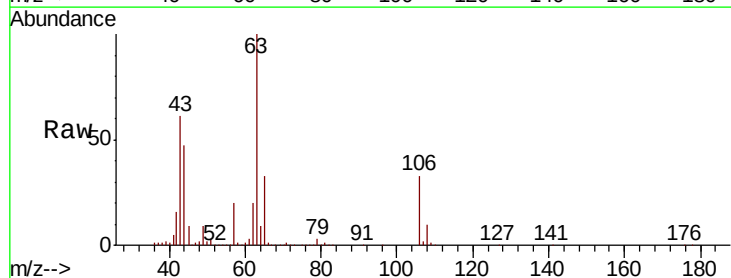
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

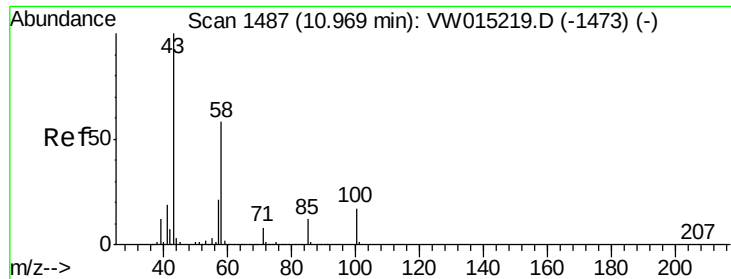
Tot Ion: 76 Resp: 261218
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 478.131 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW015220.D
 Acq: 20 Apr 2020 13:43

Tgt Ion: 63 Resp: 476091
 Ion Ratio Lower Upper
 63 100
 106 33.5 22.6 33.8

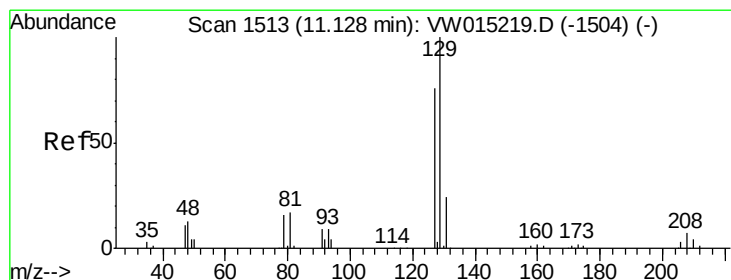
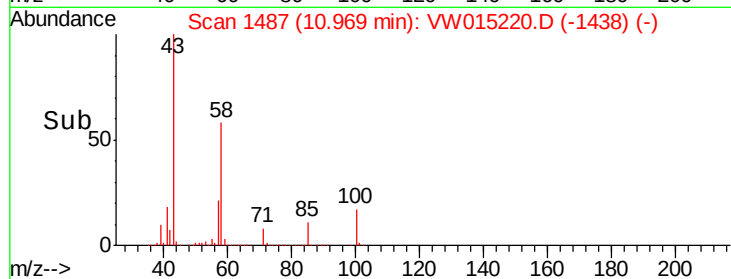
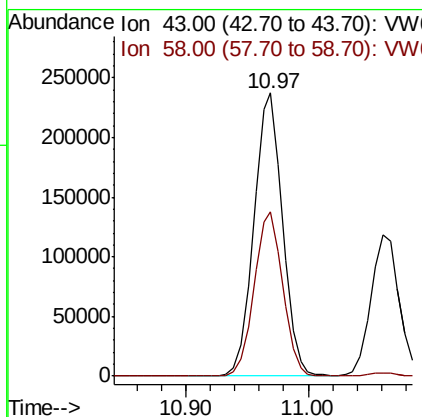
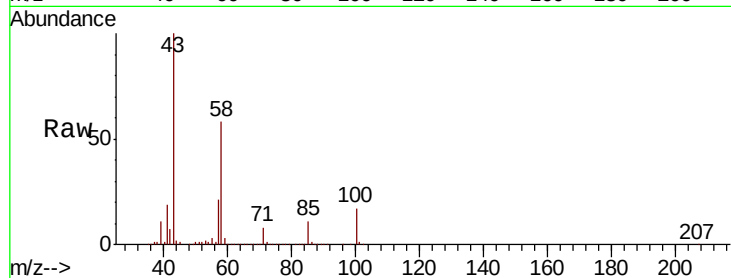




#59
2-Hexanone
Concen: 485.038 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015220.D
Acq: 20 Apr 2020 13:43

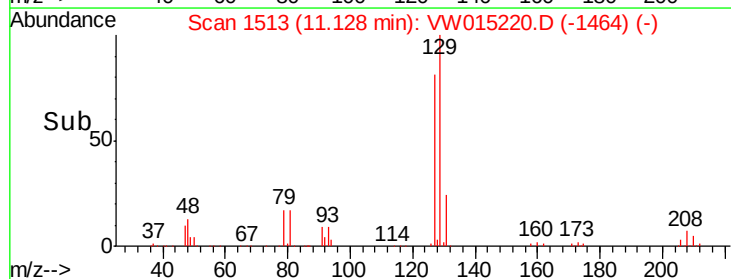
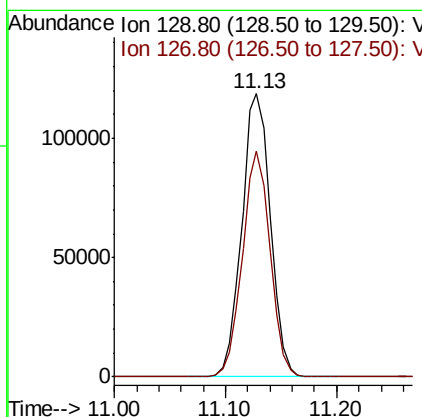
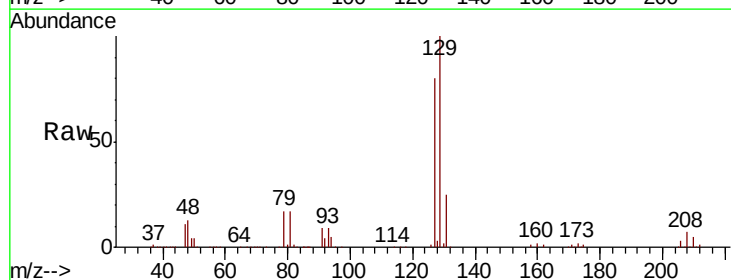
Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

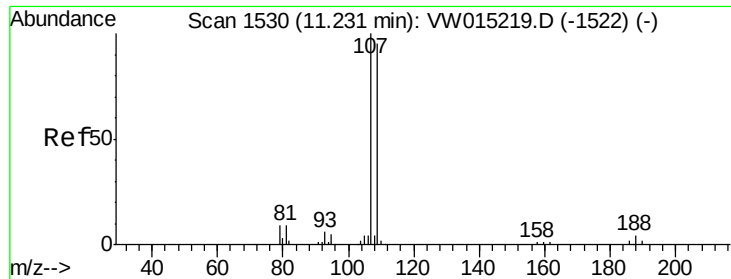
Tot Ion: 43 Resp: 386455
Ion Ratio Lower Upper
43 100
58 58.1 28.1 84.3



#60
Dibromochloromethane
Concen: 121.346 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015220.D
Acq: 20 Apr 2020 13:43

Tgt Ion: 129 Resp: 211387
Ion Ratio Lower Upper
129 100
127 77.0 38.3 114.8





#61

1,2-Dibromoethane

Concen: 112.154 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA_W

ClientSampleId :

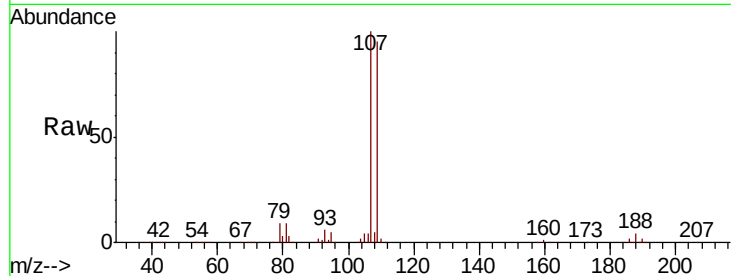
VSTDIC100

Tot Ion:107 Resp: 157809

Ion Ratio Lower Upper

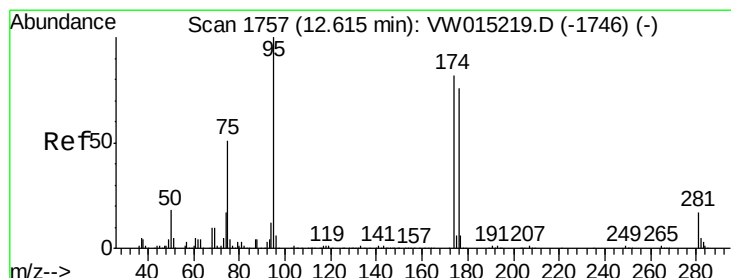
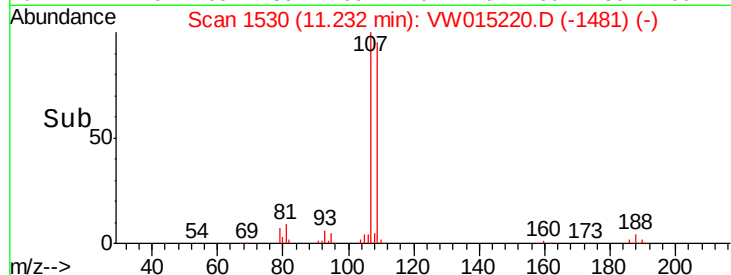
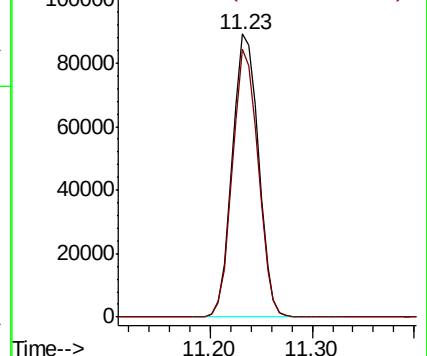
107 100

109 93.1 74.3 111.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 116.849 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

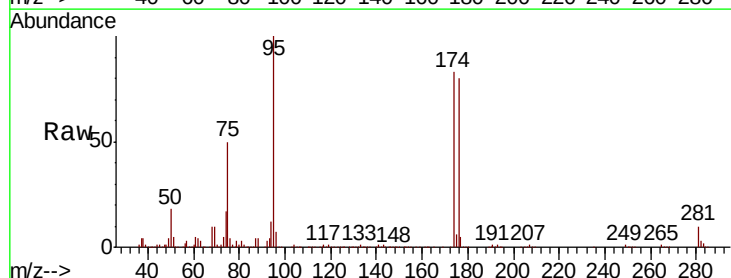
Tgt Ion: 95 Resp: 303717

Ion Ratio Lower Upper

95 100

174 82.9 0.0 144.4

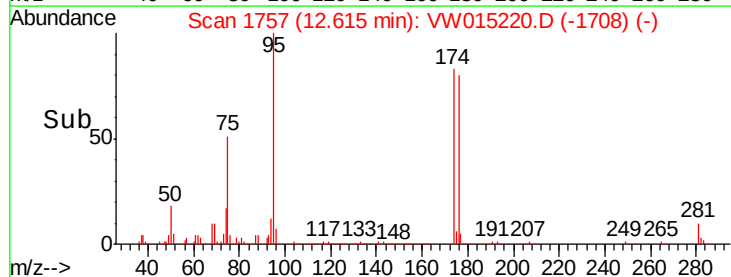
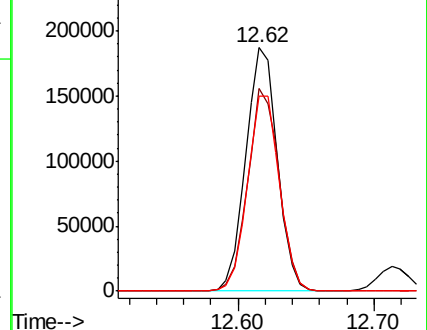
176 81.7 0.0 140.6

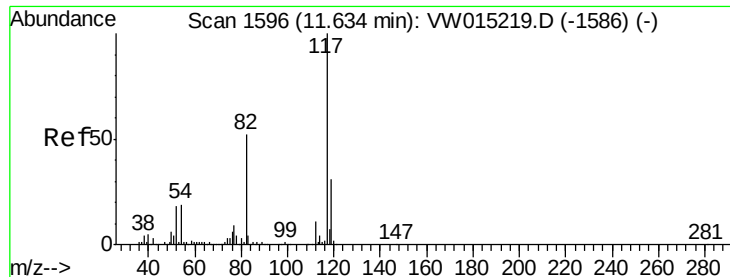


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

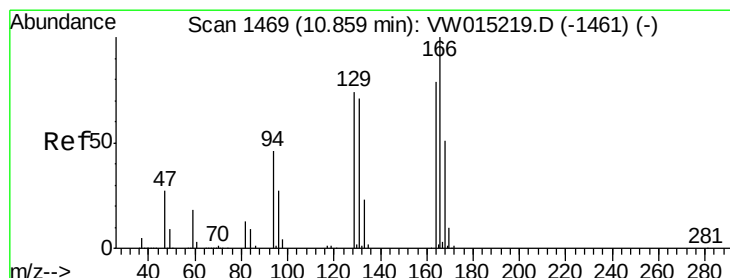
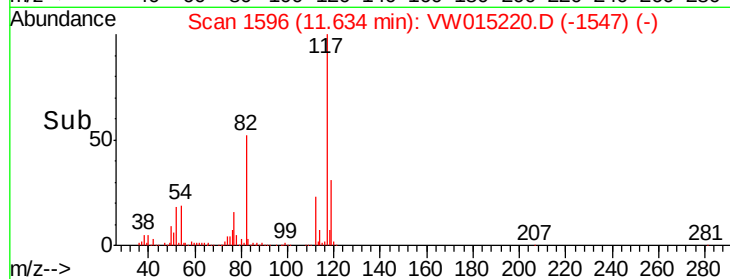
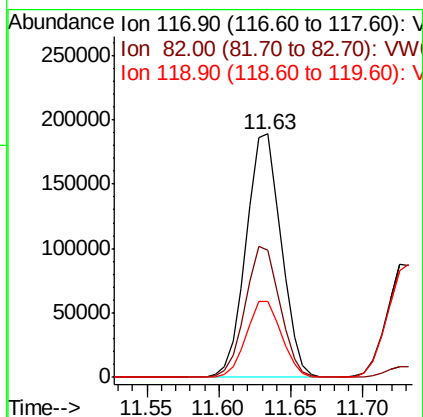
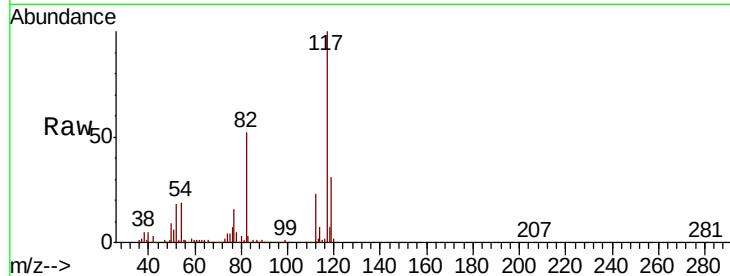




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015220.D
Acq: 20 Apr 2020 13:43

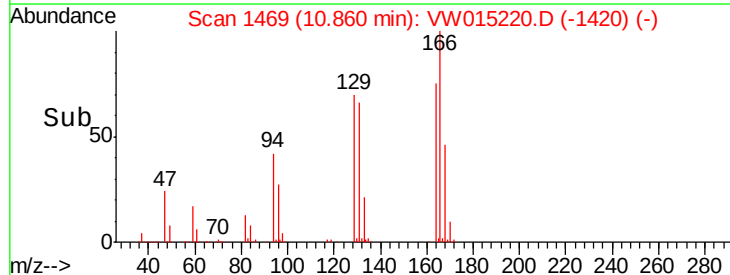
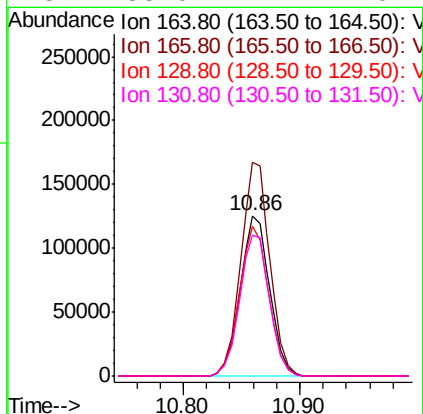
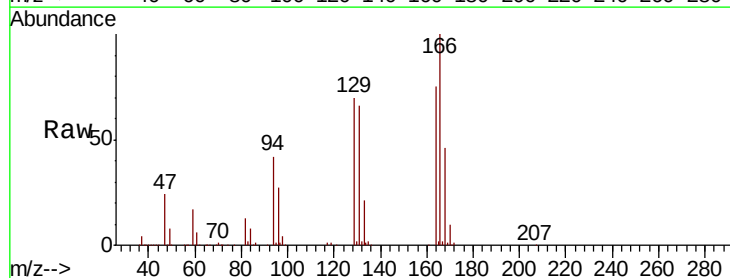
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

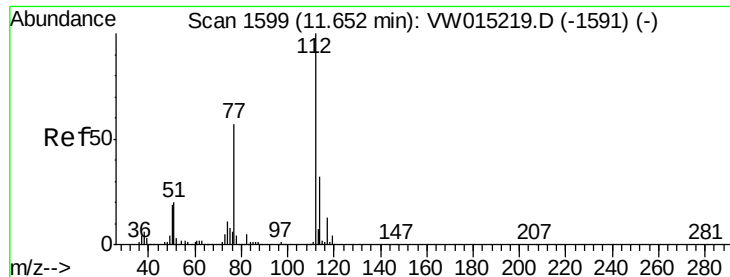
Tot Ion:117 Resp: 317437
Ion Ratio Lower Upper
117 100
82 52.0 44.1 66.1
119 31.0 24.9 37.3



#64
Tetrachloroethene
Concen: 117.761 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015220.D
Acq: 20 Apr 2020 13:43

Tgt Ion:164 Resp: 219581
Ion Ratio Lower Upper
164 100
166 133.3 102.6 154.0
129 93.6 80.2 120.2
131 88.0 77.4 116.2

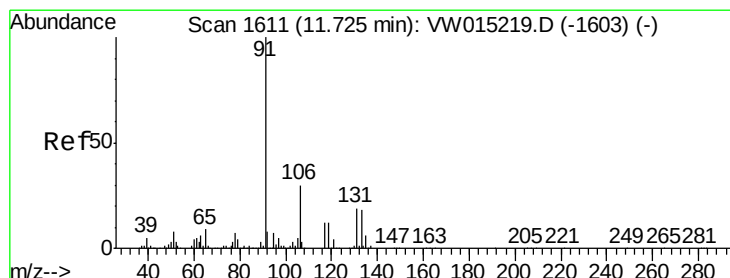
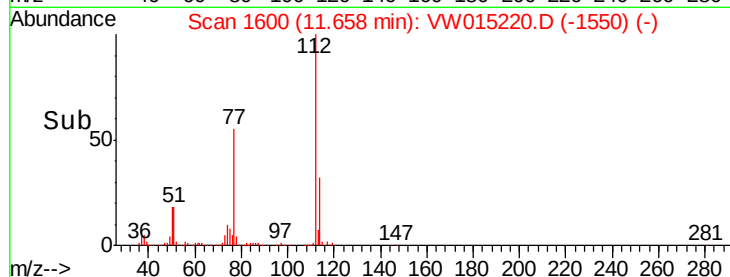
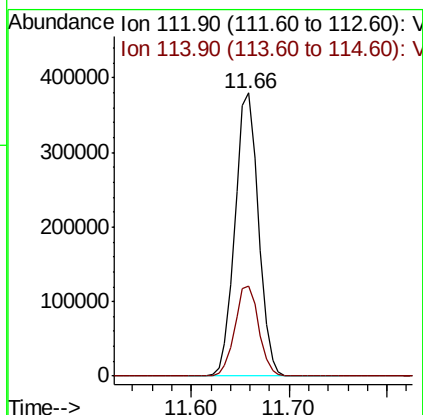
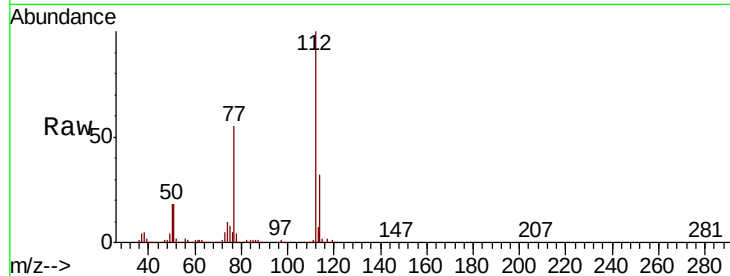




#65
Chlorobenzene
Concen: 106.298 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VW015220.D
Acq: 20 Apr 2020 13:43

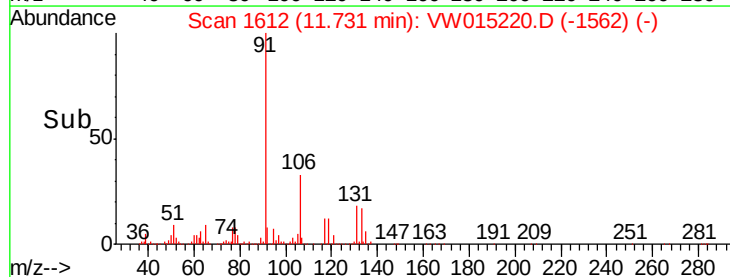
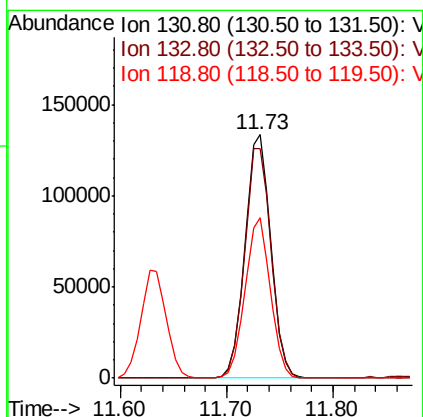
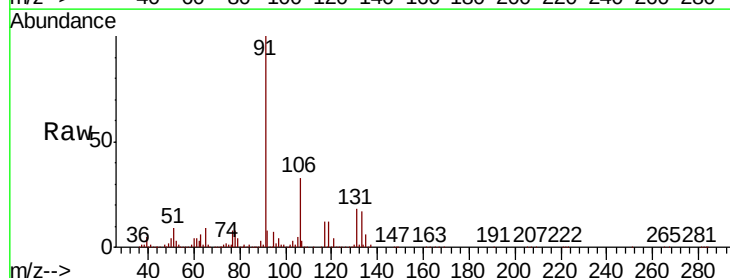
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

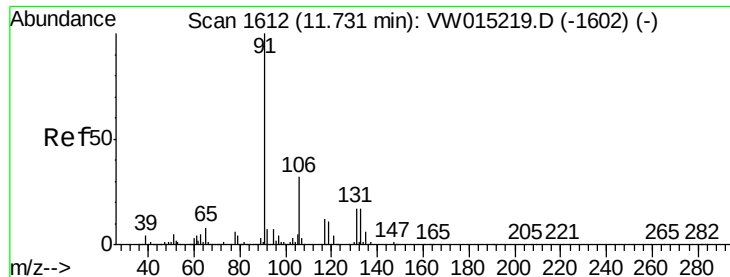
Tot Ion:112 Resp: 634915
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 110.062 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.01 min
Lab File: VW015220.D
Acq: 20 Apr 2020 13:43

Tgt Ion:131 Resp: 227218
Ion Ratio Lower Upper
131 100
133 97.1 47.7 143.1
119 64.8 34.0 101.8





#67

Ethyl Benzene

Concen: 103.917 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA_W

ClientSampleId :

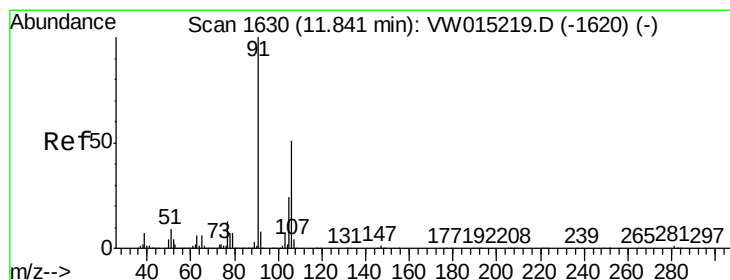
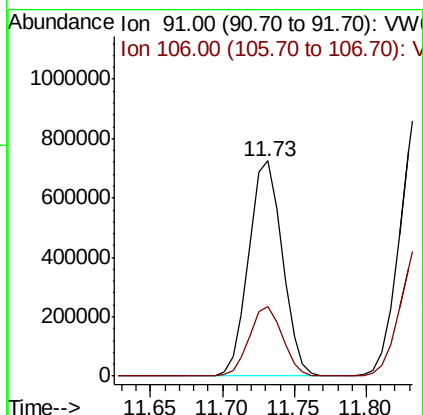
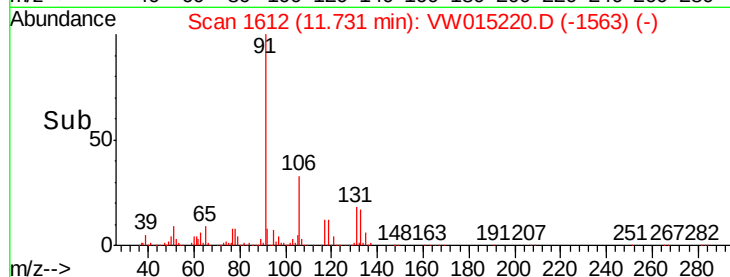
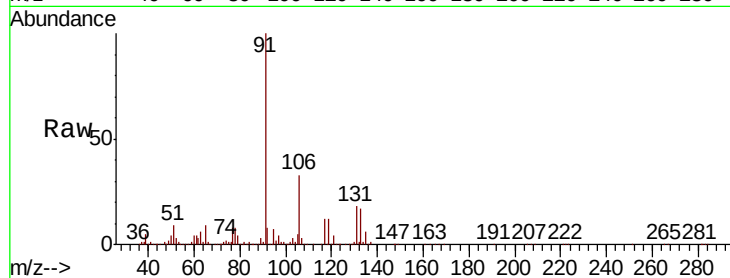
VSTDIC100

Tot Ion: 91 Resp: 1171755

Ion Ratio Lower Upper

91 100

106 32.6 25.7 38.5



#68

m/p-Xylenes

Concen: 216.322 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW015220.D

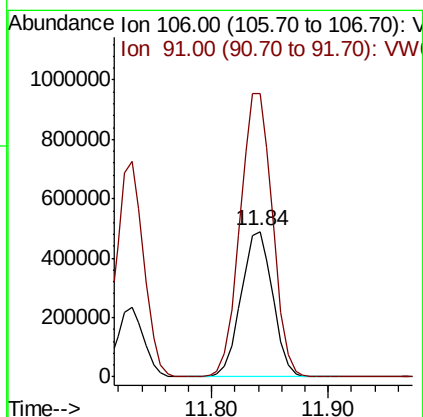
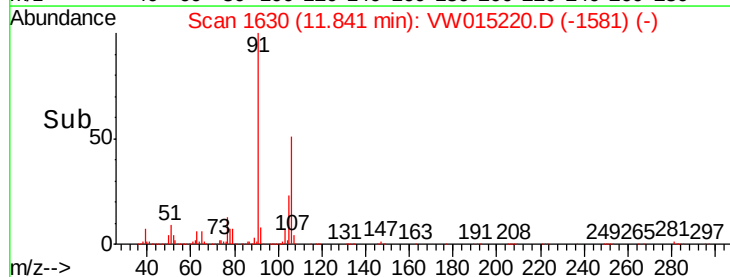
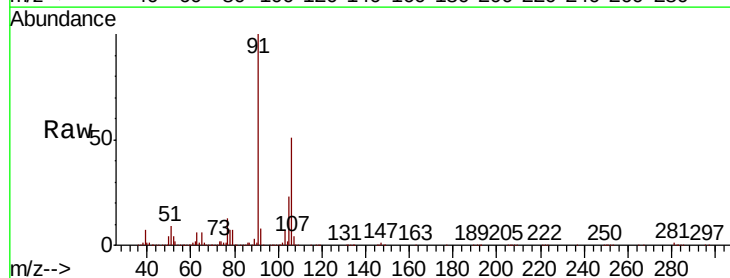
Acq: 20 Apr 2020 13:43

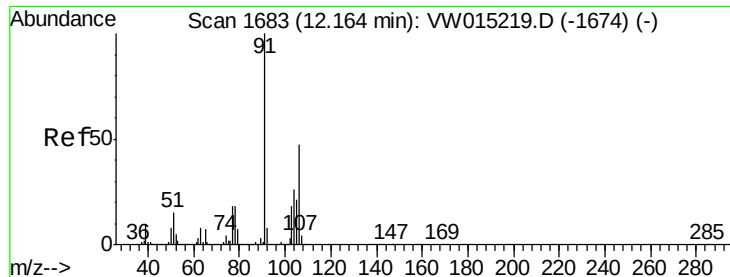
Tgt Ion: 106 Resp: 925680

Ion Ratio Lower Upper

106 100

91 199.3 160.0 240.0

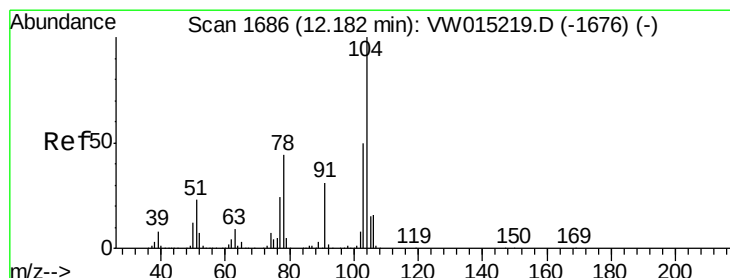
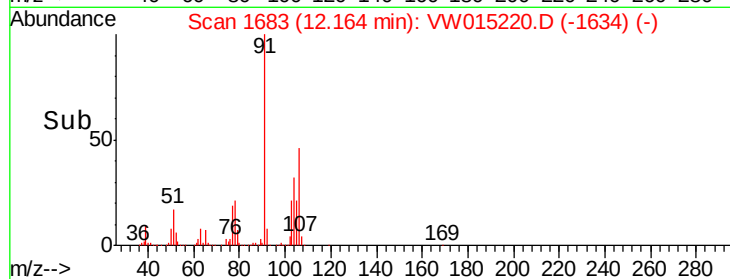
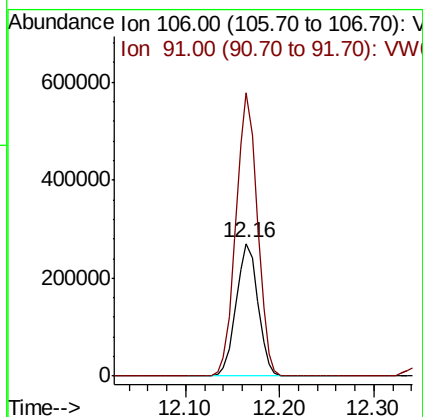
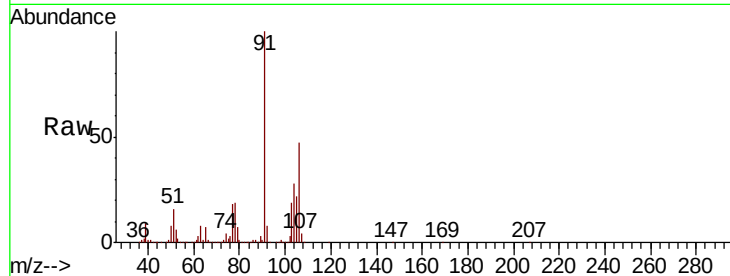




#69
o-Xylene
Concen: 108.252 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015220.D
Acq: 20 Apr 2020 13:43

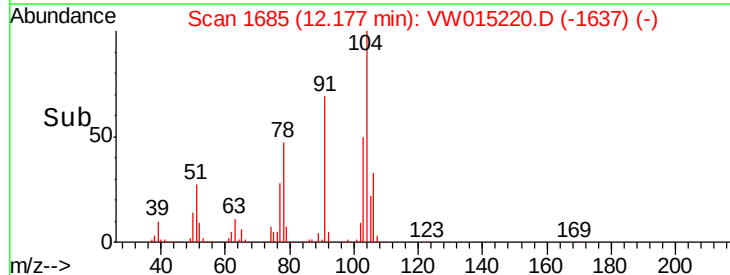
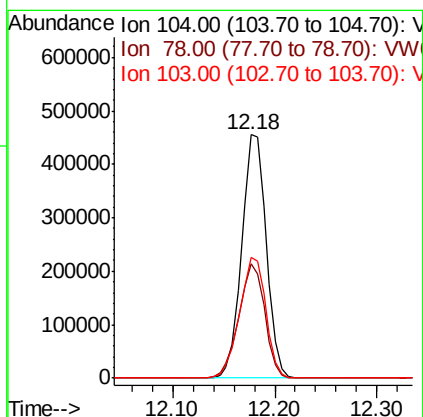
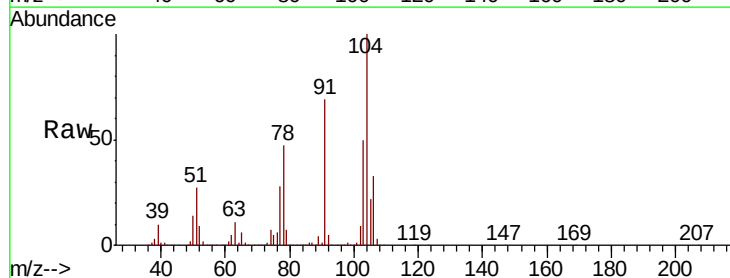
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

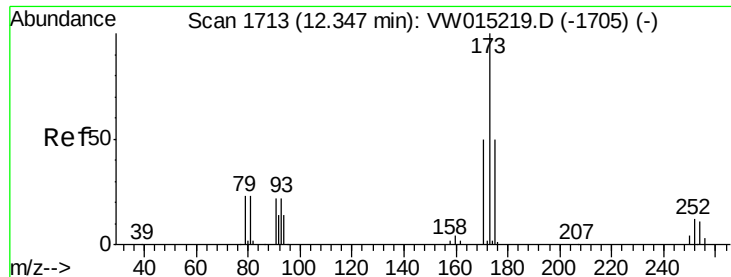
Tot Ion:106 Resp: 434176
Ion Ratio Lower Upper
106 100
91 211.2 105.7 317.1



#70
Styrene
Concen: 111.820 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW015220.D
Acq: 20 Apr 2020 13:43

Tgt Ion:104 Resp: 757655
Ion Ratio Lower Upper
104 100
78 49.6 39.8 59.6
103 53.2 43.8 65.6





#71

Bromoform

Concen: 132.767 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

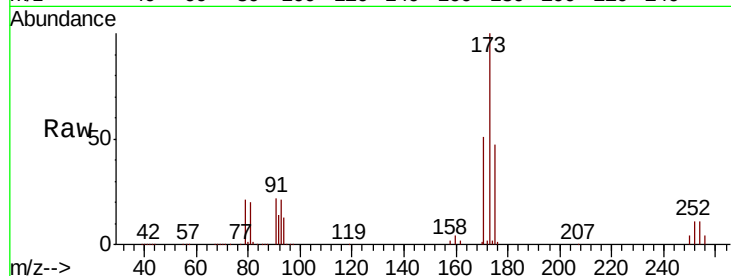
Tot Ion:173 Resp: 136121

Ion Ratio Lower Upper

173 100

175 48.1 25.1 75.4

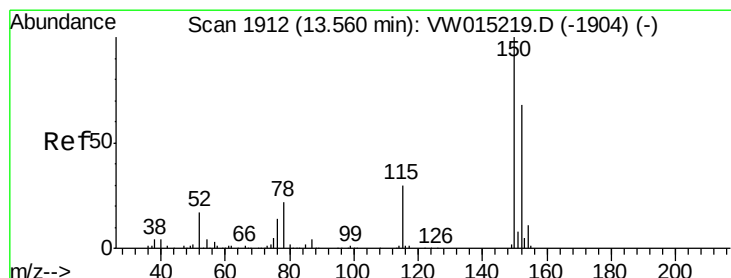
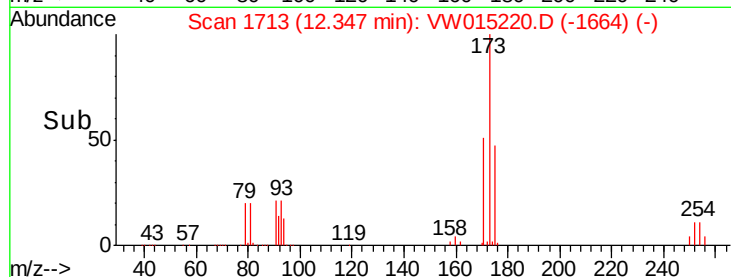
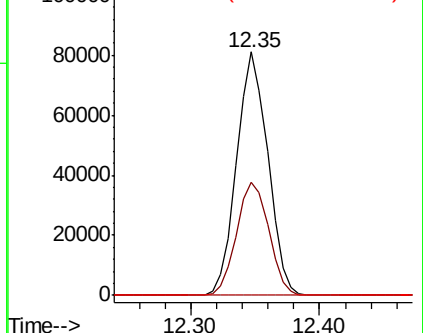
254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

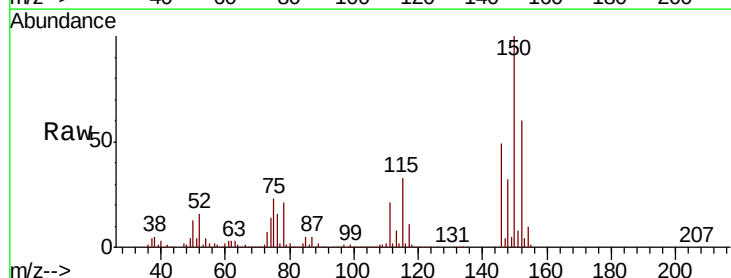
Tgt Ion:152 Resp: 176944

Ion Ratio Lower Upper

152 100

115 57.3 31.3 93.9

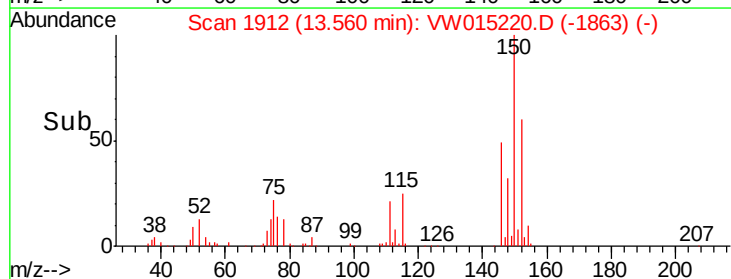
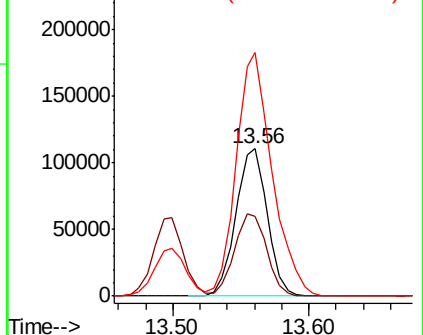
150 189.1 0.0 343.4

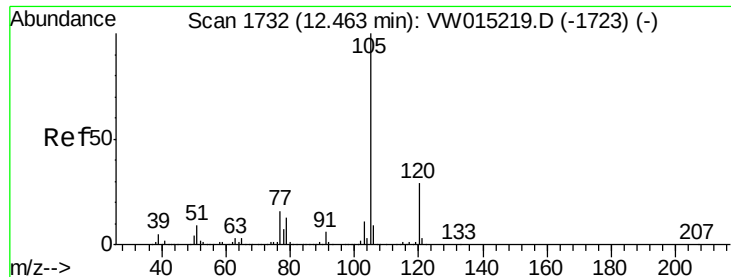


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 91.906 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA_W

ClientSampleId :

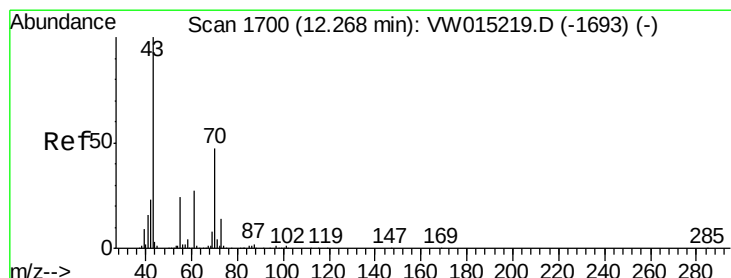
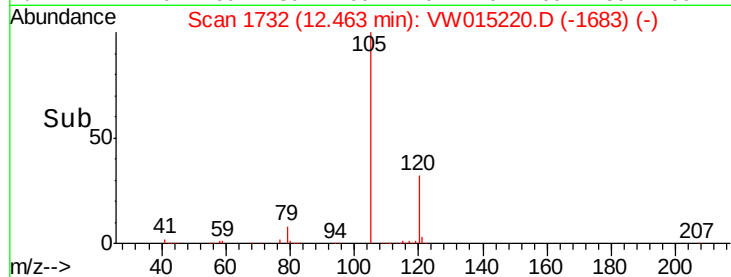
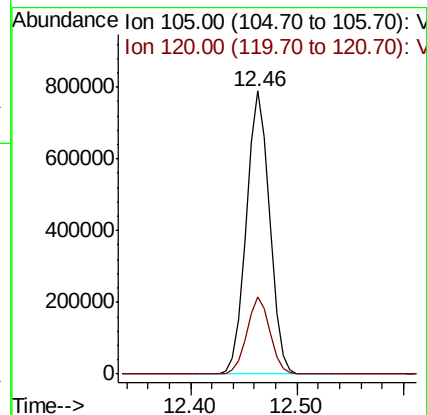
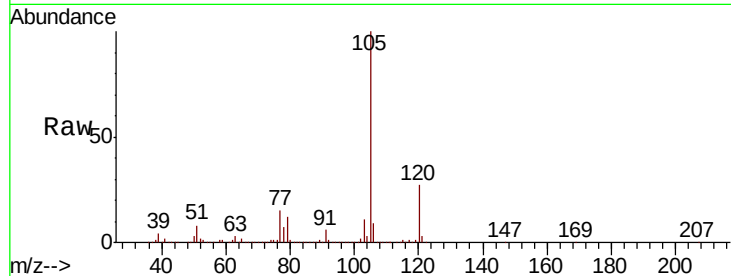
VSTDIC100

Tot Ion:105 Resp: 1212767

Ion Ratio Lower Upper

105 100

120 27.0 13.7 41.1



#74

N-ethyl acetate

Concen: 74.175 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Tgt Ion: 43 Resp: 227529

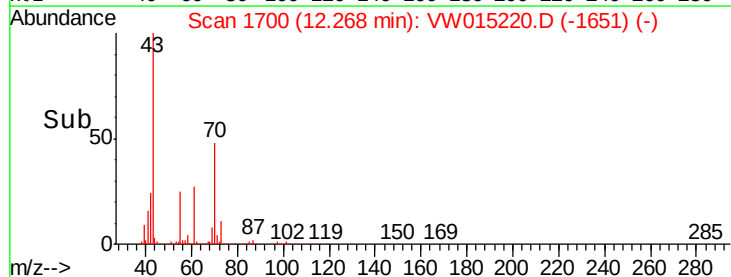
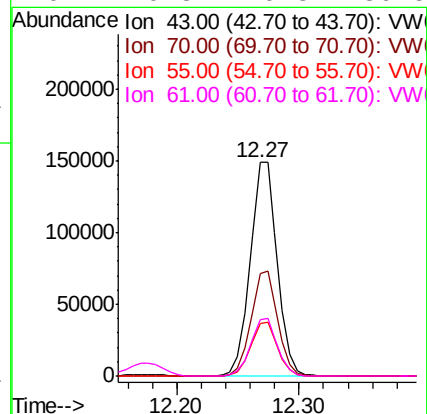
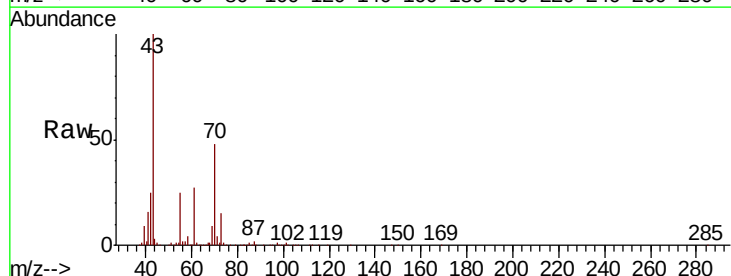
Ion Ratio Lower Upper

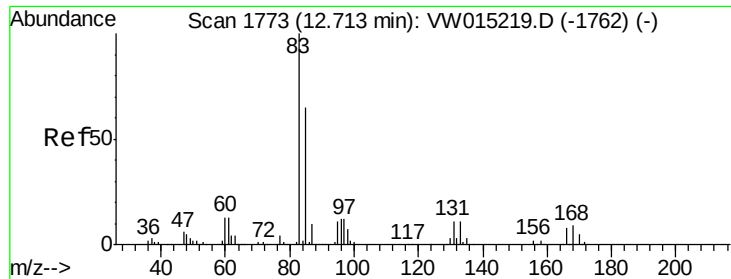
43 100

70 48.8 35.4 53.2

55 24.9 18.5 27.7

61 26.8 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 80.311 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

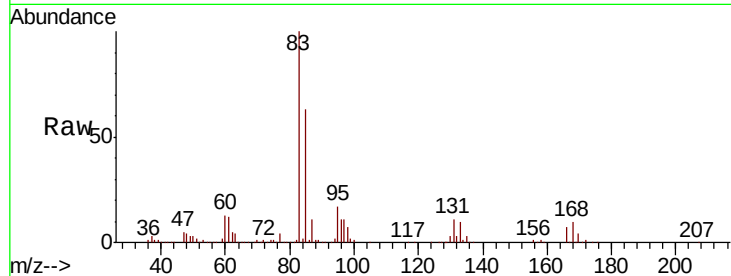
Tot Ion: 83 Resp: 177567

Ion Ratio Lower Upper

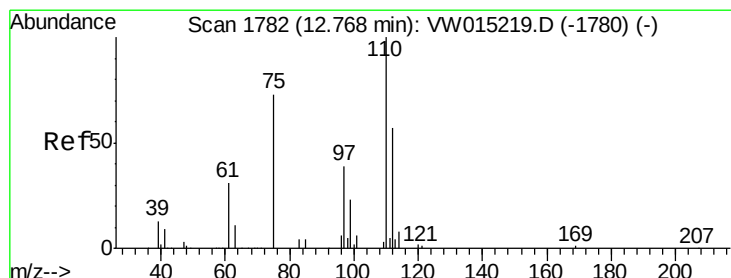
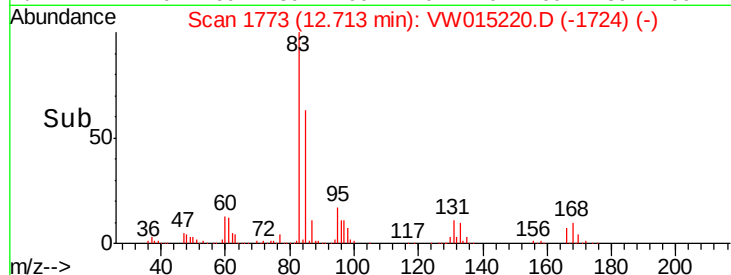
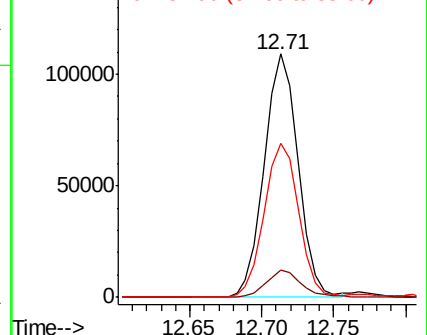
83 100

131 11.8 5.1 15.2

85 64.6 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 163.623 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015220.D

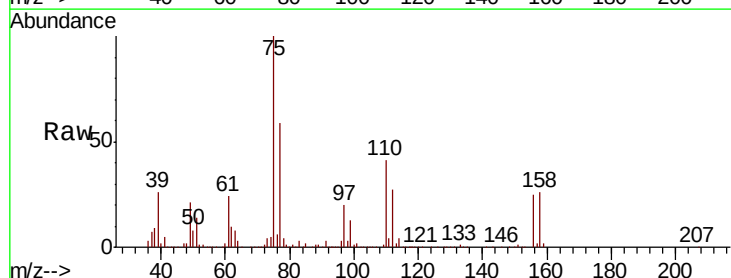
Acq: 20 Apr 2020 13:43

Tgt Ion: 75 Resp: 247839

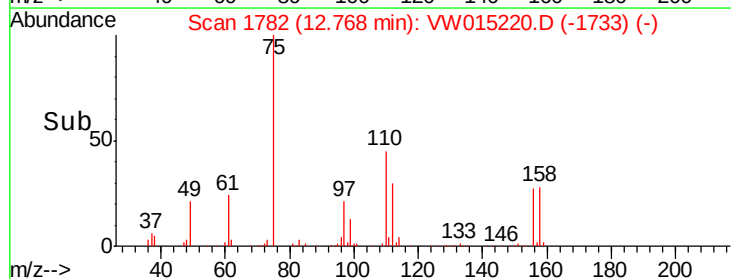
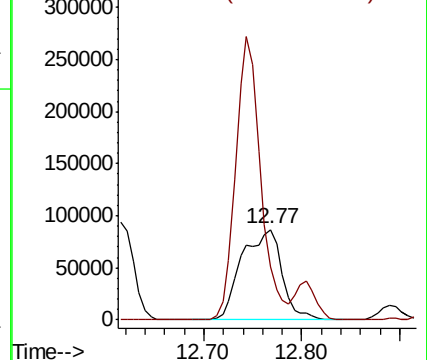
Ion Ratio Lower Upper

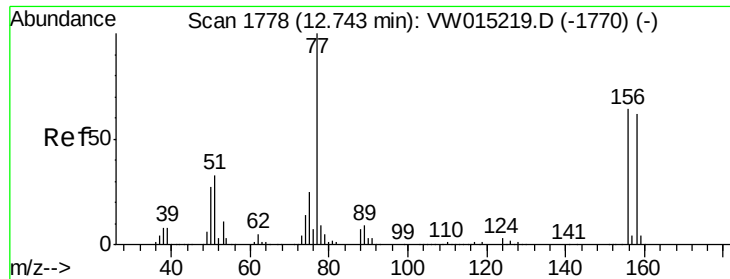
75 100

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: 104.065 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

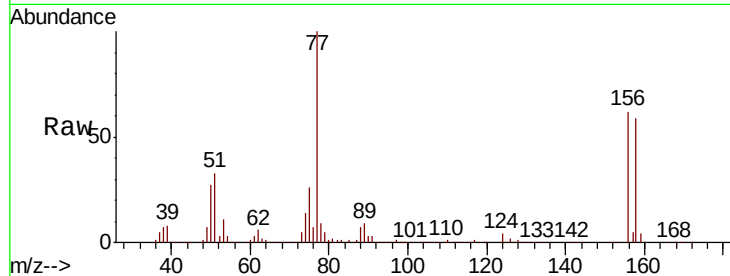
Tot Ion:156 Resp: 284498

Ion Ratio Lower Upper

156 100

77 170.2 100.5 301.5

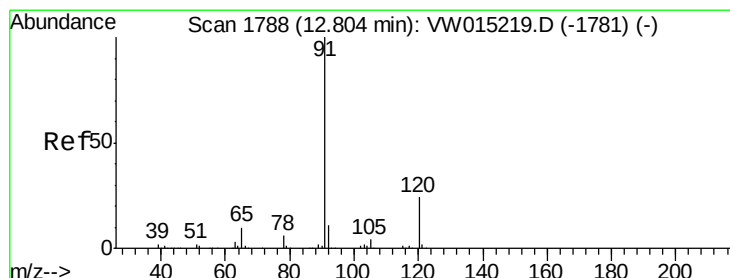
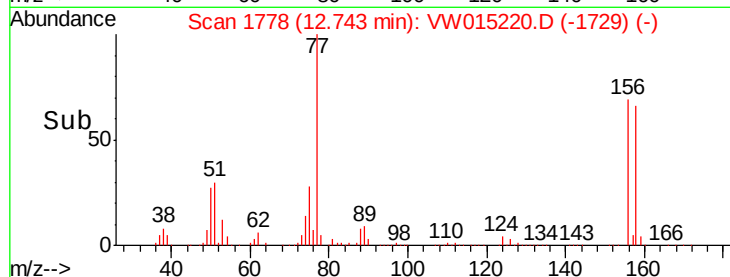
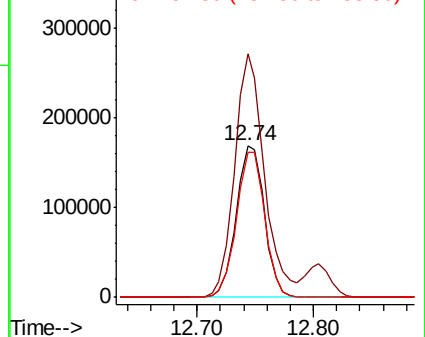
158 96.4 47.9 143.8



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: 89.264 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015220.D

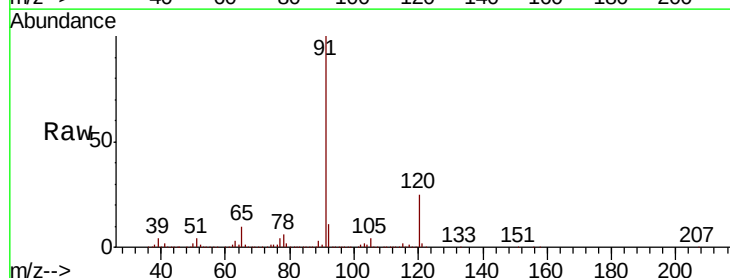
Acq: 20 Apr 2020 13:43

Tgt Ion: 91 Resp: 1420528

Ion Ratio Lower Upper

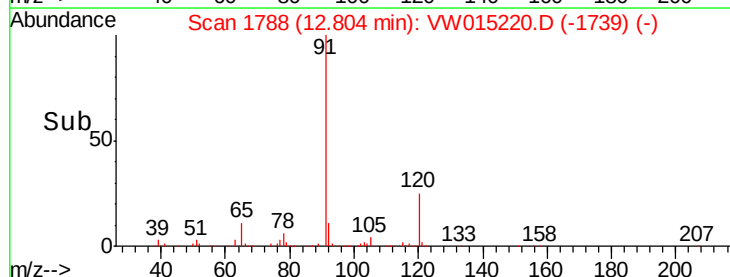
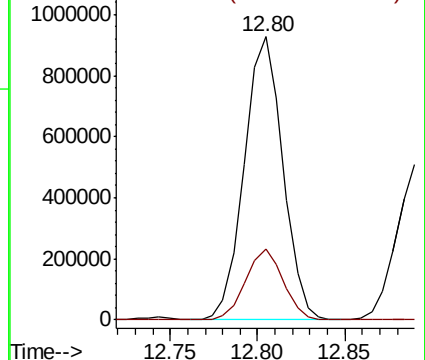
91 100

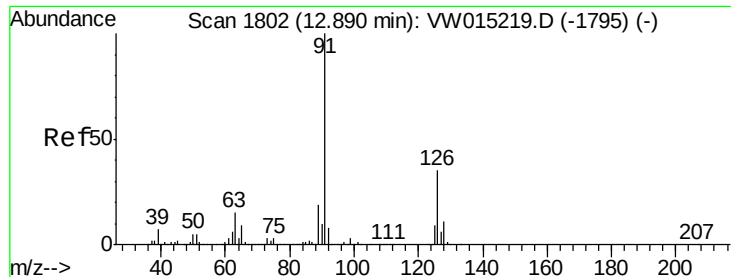
120 24.4 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 91.988 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA_W

ClientSampleId :

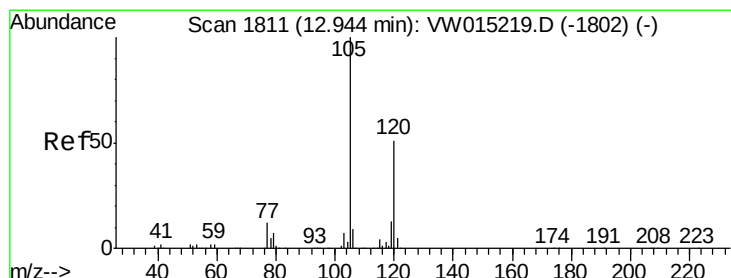
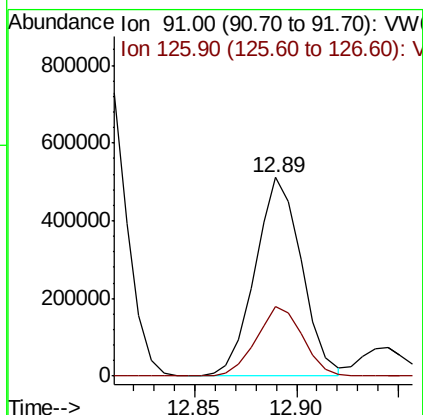
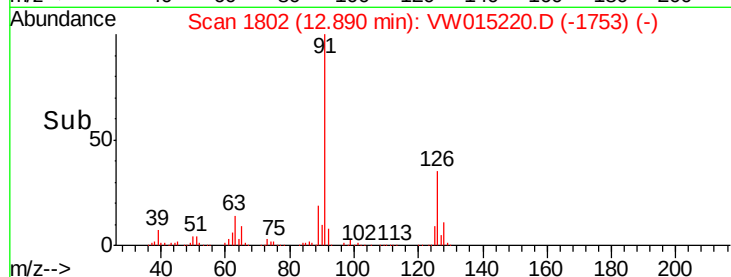
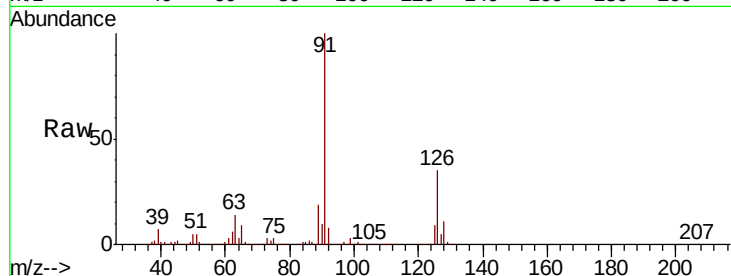
VSTDIC100

Tot Ion: 91 Resp: 809242

Ion Ratio Lower Upper

91 100

126 35.1 16.8 50.4



#80

1,3,5-Trimethylbenzene

Concen: 96.514 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015220.D

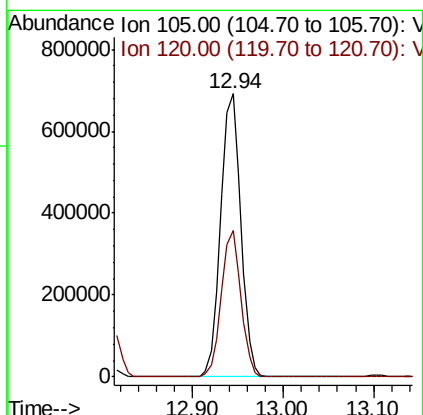
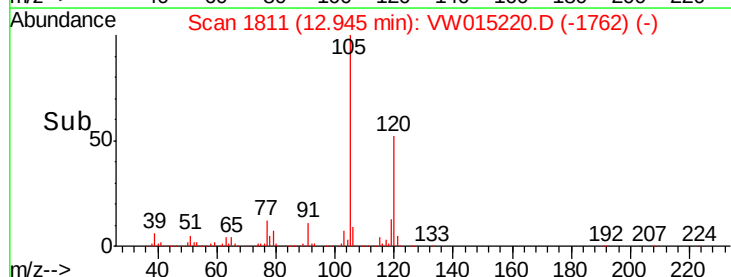
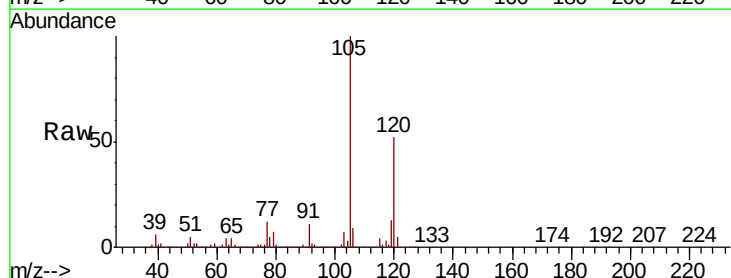
Acq: 20 Apr 2020 13:43

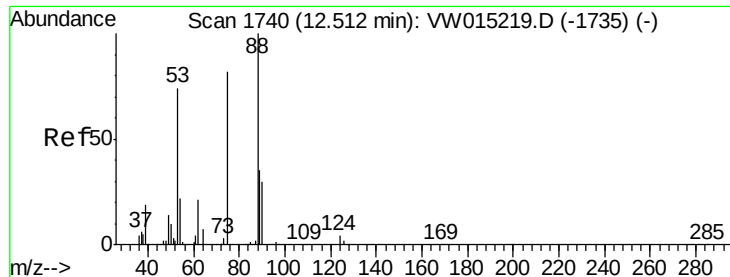
Tgt Ion:105 Resp: 1072392

Ion Ratio Lower Upper

105 100

120 50.3 24.9 74.8

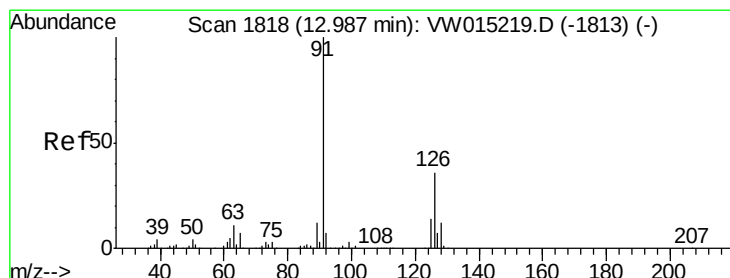
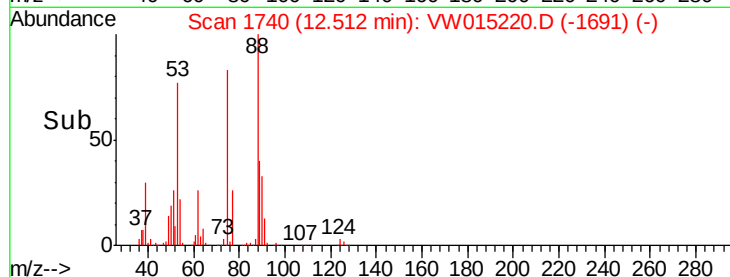
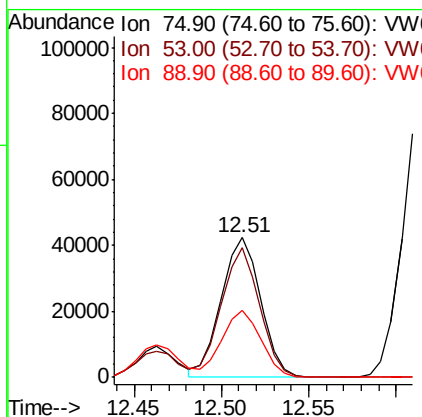
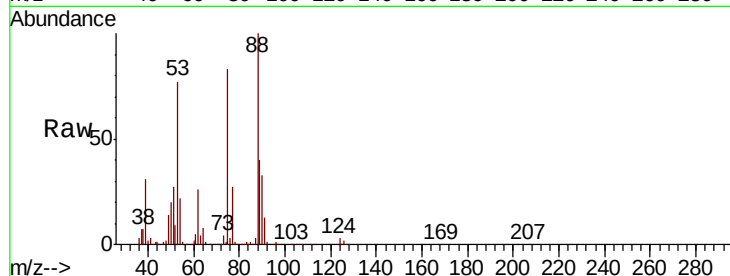




#81
trans-1,4-Dichloro-2-butene
Concen: 84.055 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW015220.D
Acq: 20 Apr 2020 13:43

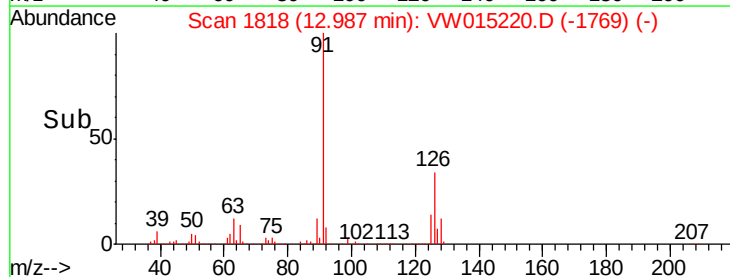
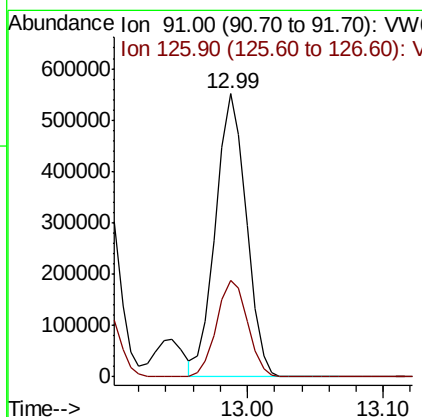
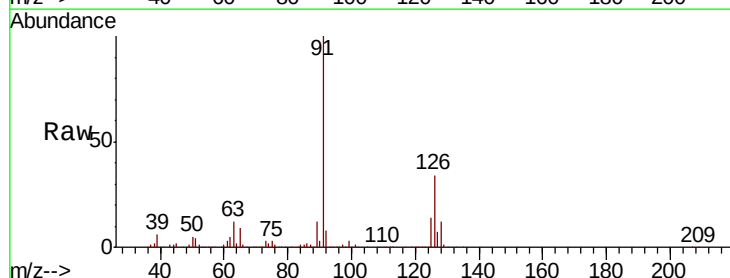
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

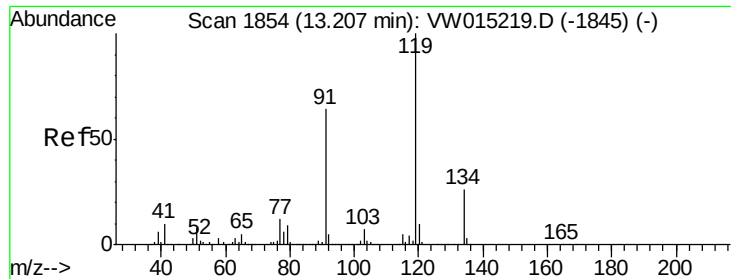
Tot Ion: 75 Resp: 65806
Ion Ratio Lower Upper
75 100
53 91.9 69.4 104.2
89 47.3 34.8 52.2



#82
4-Chlorotoluene
Concen: 92.964 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW015220.D
Acq: 20 Apr 2020 13:43

Tgt Ion: 91 Resp: 864045
Ion Ratio Lower Upper
91 100
126 34.5 16.8 50.3

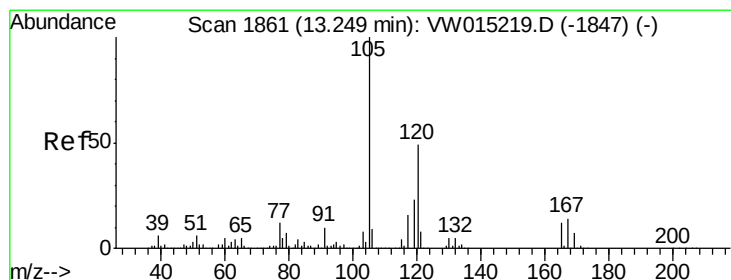
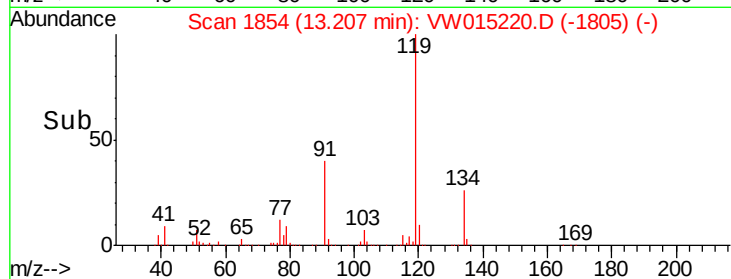
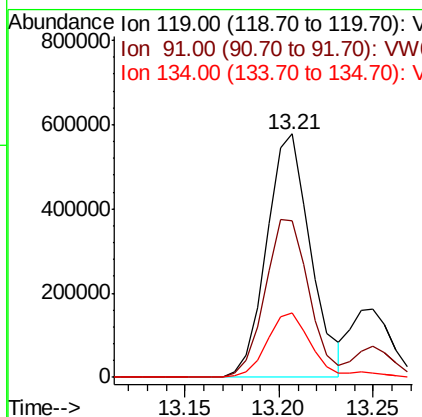
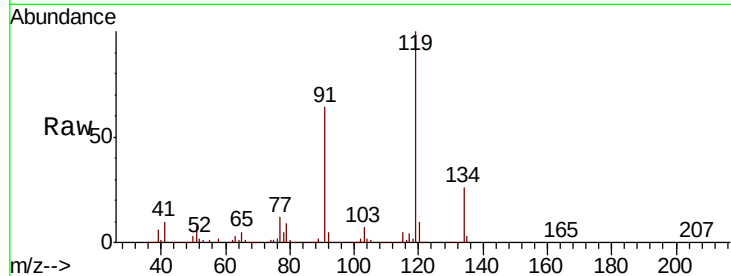




#83
 tert-Butylbenzene
 Concen: 96.977 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW015220.D
 Acq: 20 Apr 2020 13:43

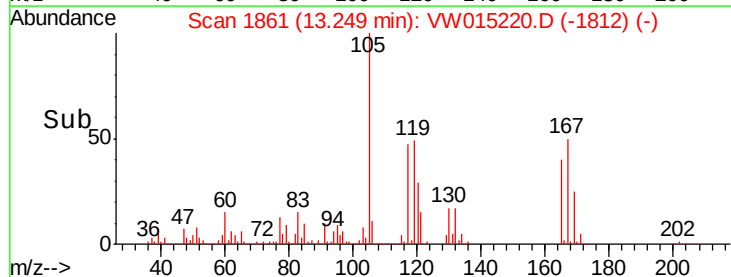
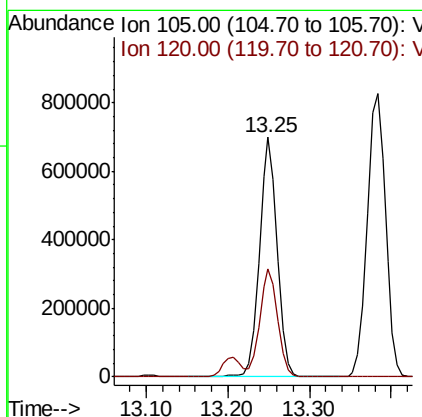
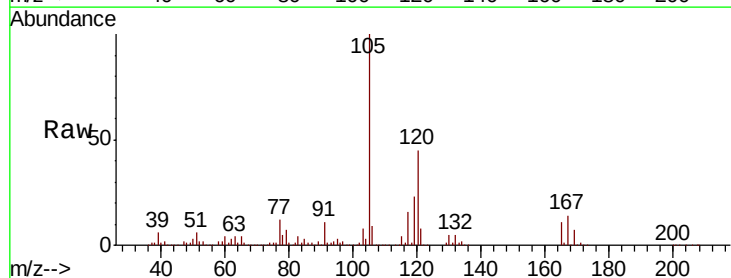
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

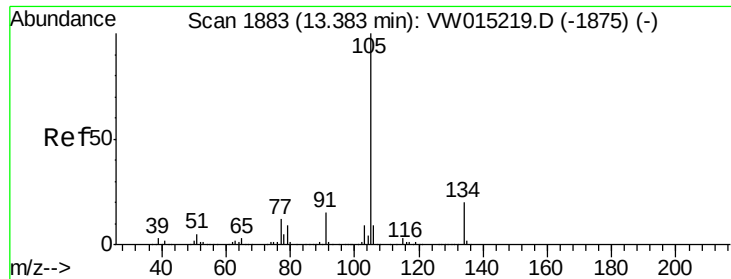
Tot Ion:119 Resp: 934300
 Ion Ratio Lower Upper
 119 100
 91 64.9 32.8 98.3
 134 27.5 13.3 39.9



#84
 1,2,4-Trimethylbenzene
 Concen: 96.572 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW015220.D
 Acq: 20 Apr 2020 13:43

Tgt Ion:105 Resp: 1066502
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.0 69.0





#85

sec-Butylbenzene

Concen: 93.730 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA_W

ClientSampleId :

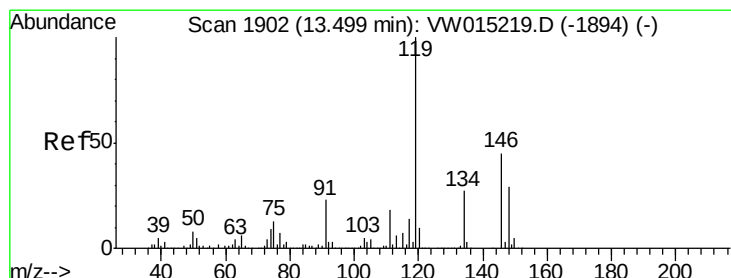
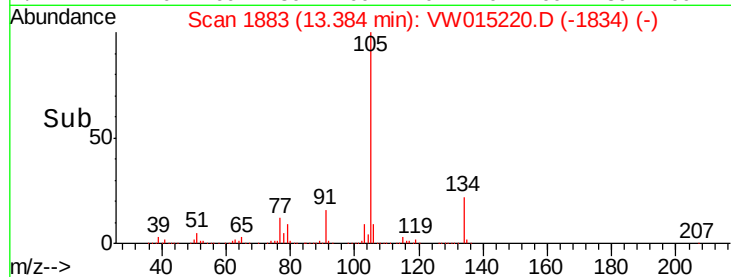
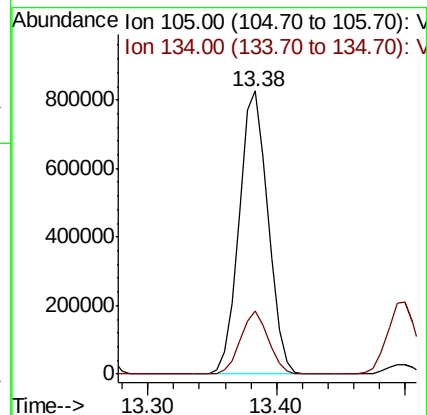
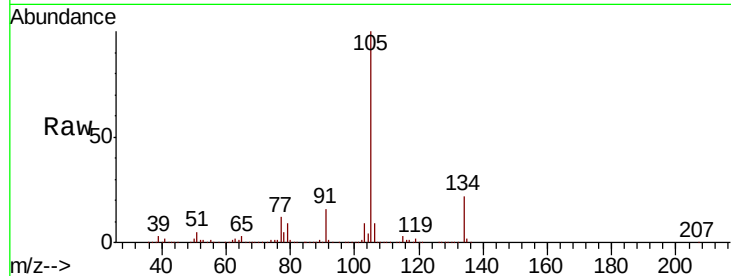
VSTDIC100

Tot Ion:105 Resp: 1283379

Ion Ratio Lower Upper

105 100

134 21.3 10.1 30.1



#86

p-Isopropyltoluene

Concen: 98.663 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

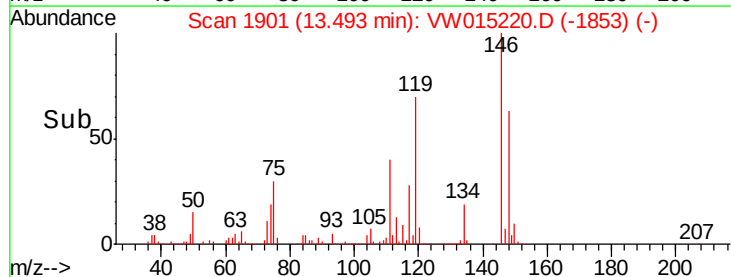
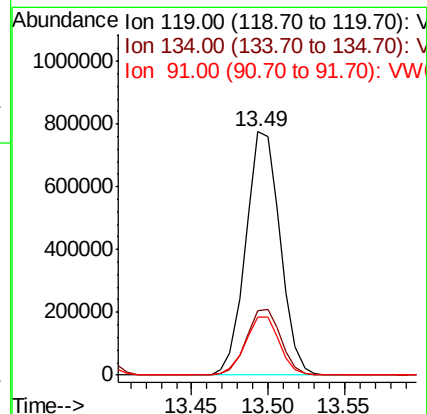
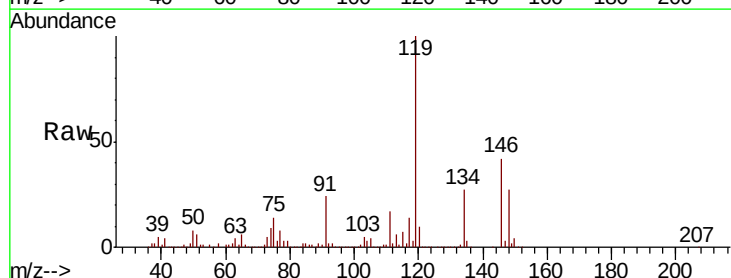
Tgt Ion:119 Resp: 1205402

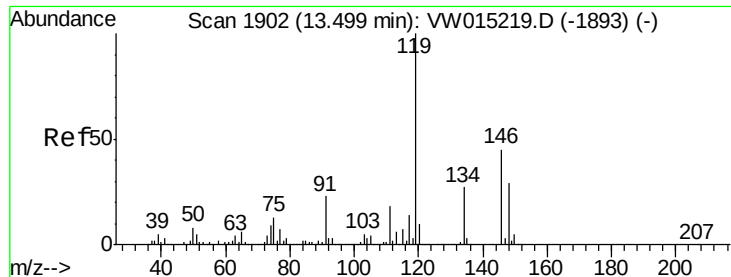
Ion Ratio Lower Upper

119 100

134 27.1 13.3 39.9

91 23.8 12.0 36.1

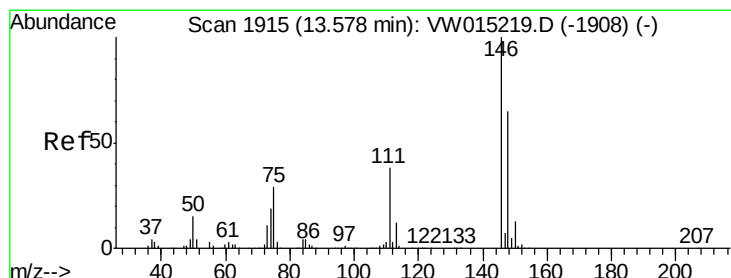
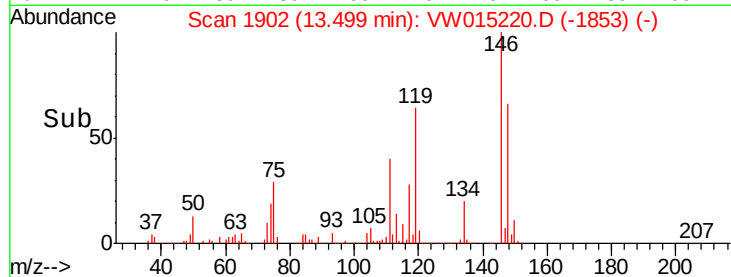
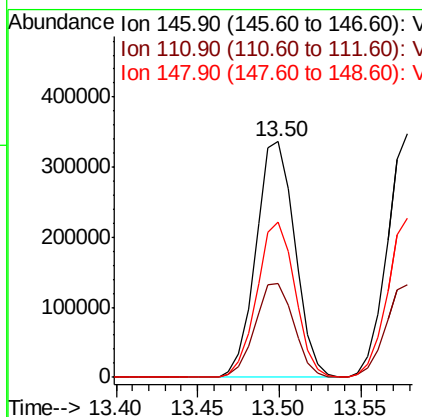
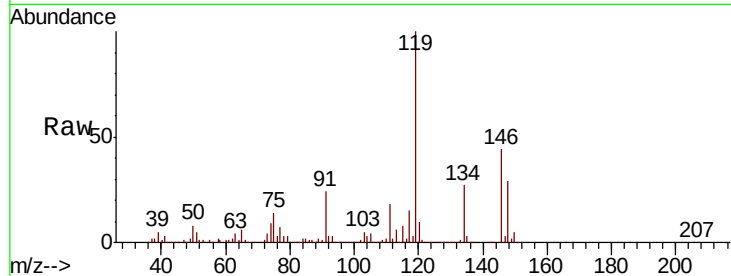




#87
 1,3-Dichlorobenzene
 Concen: 102.714 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015220.D
 Acq: 20 Apr 2020 13:43

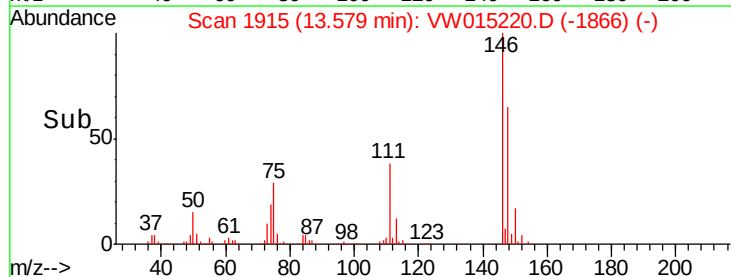
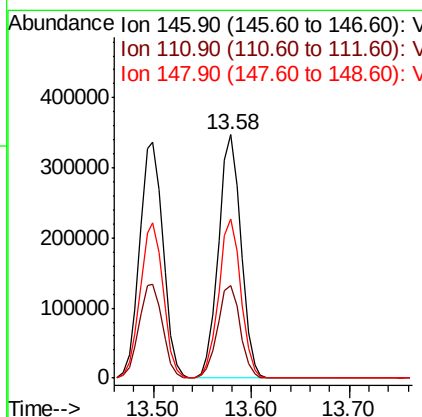
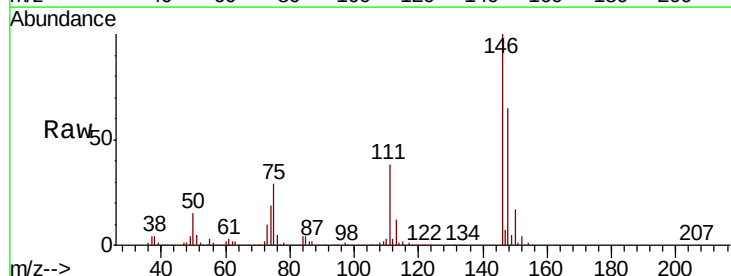
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

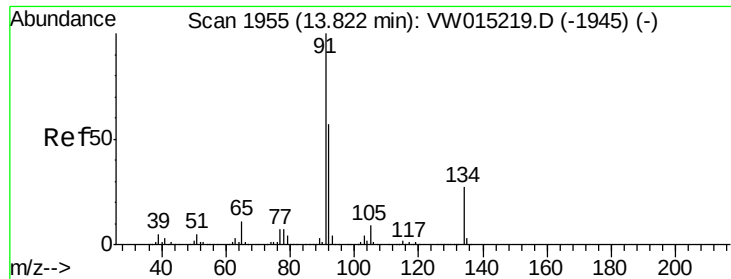
Tot Ion:146 Resp: 559431
 Ion Ratio Lower Upper
 146 100
 111 40.0 21.1 63.4
 148 64.5 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 102.756 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015220.D
 Acq: 20 Apr 2020 13:43

Tgt Ion:146 Resp: 555234
 Ion Ratio Lower Upper
 146 100
 111 38.2 20.4 61.3
 148 64.4 31.5 94.5

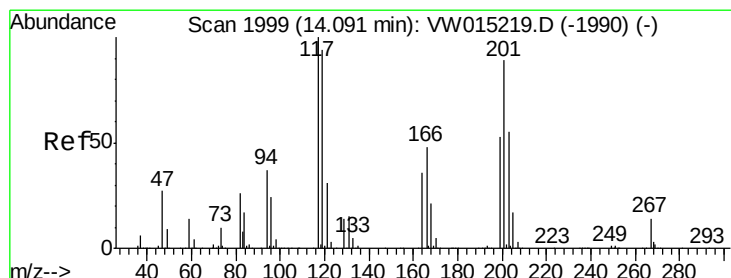
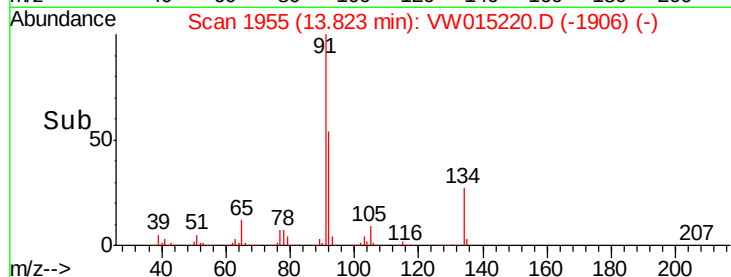
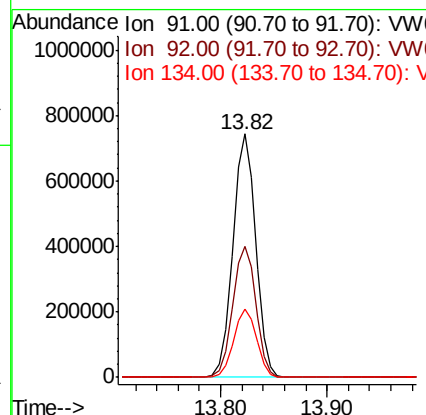
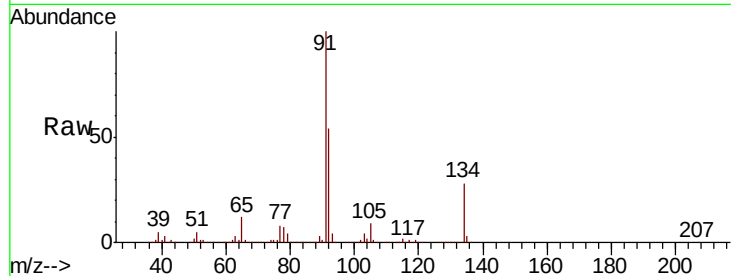




#89
n-Butylbenzene
Concen: 92.353 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW015220.D
Acq: 20 Apr 2020 13:43

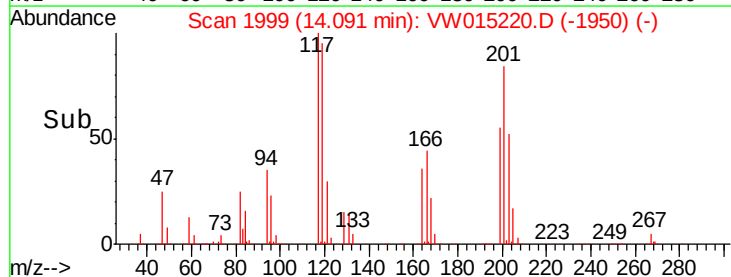
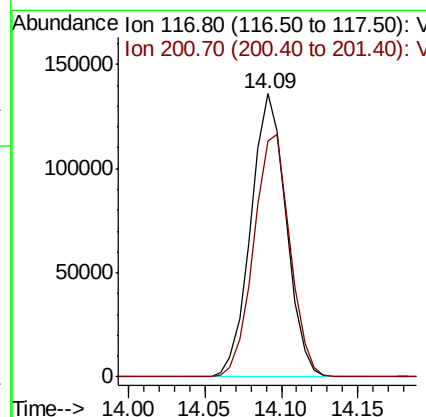
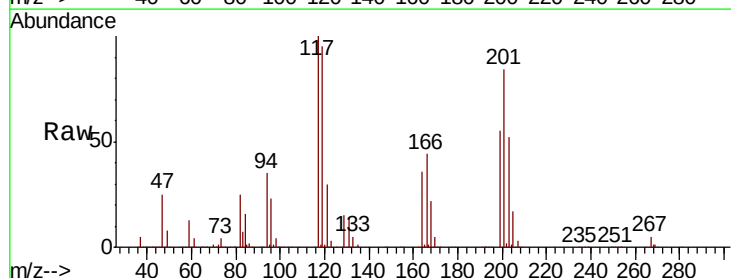
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

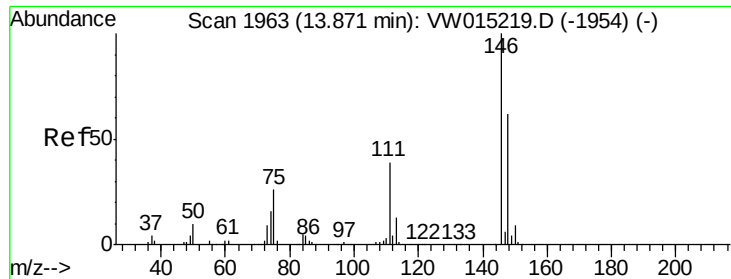
Tot Ion: 91 Resp: 1115468
Ion Ratio Lower Upper
91 100
92 54.6 27.6 82.7
134 28.3 12.8 38.3



#90
Hexachloroethane
Concen: 93.221 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW015220.D
Acq: 20 Apr 2020 13:43

Tgt Ion: 117 Resp: 218975
Ion Ratio Lower Upper
117 100
201 87.9 33.6 100.6

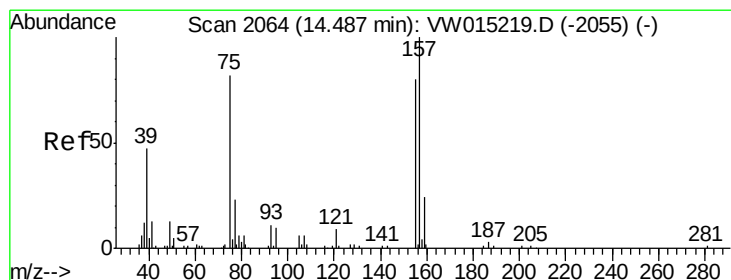
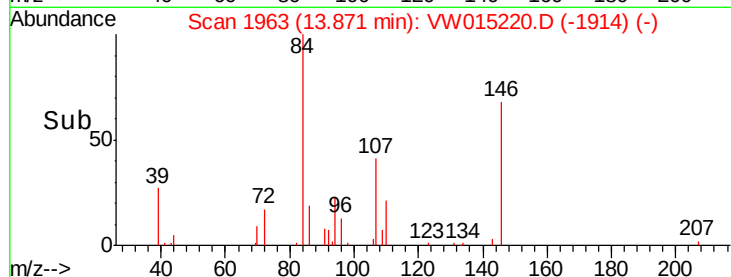
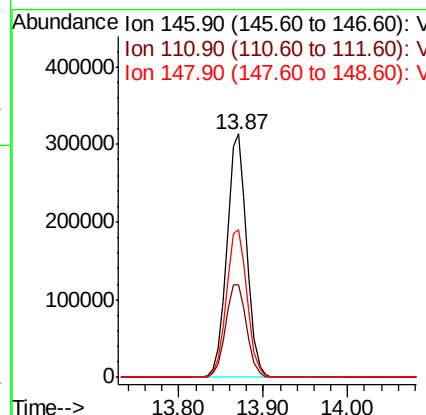
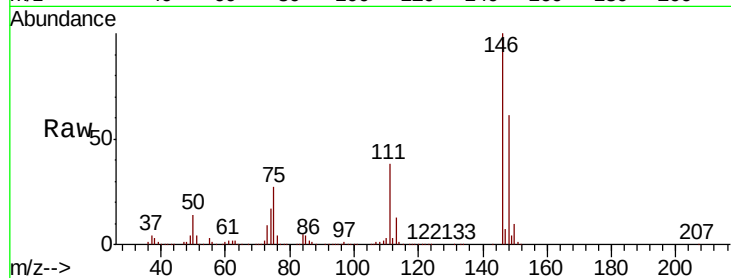




#91
 1,2-Dichlorobenzene
 Concen: 104.602 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015220.D
 Acq: 20 Apr 2020 13:43

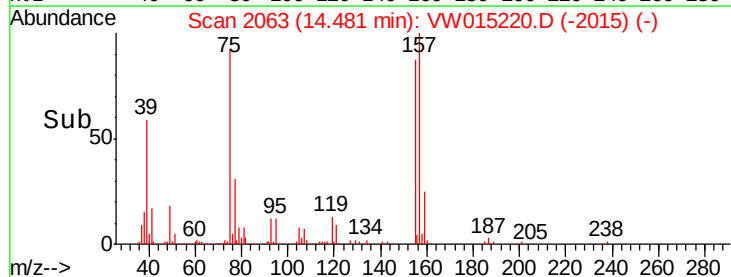
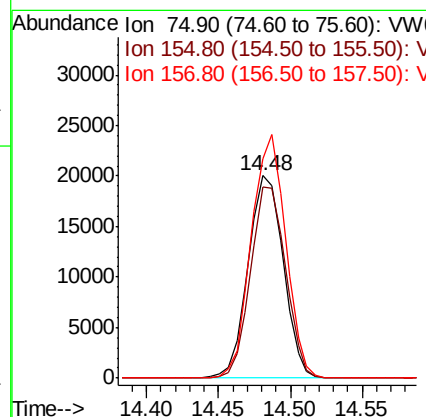
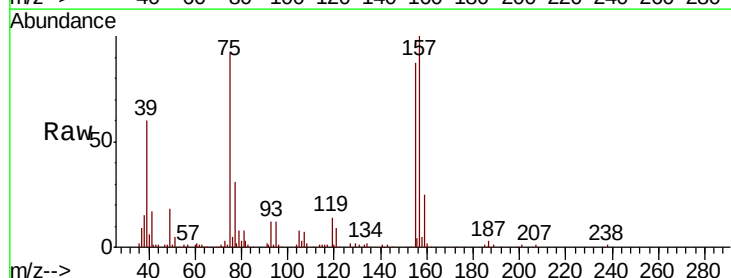
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

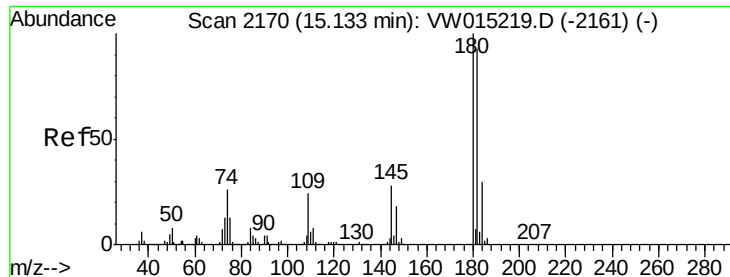
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	21.6	65.0
148	63.4	31.0	93.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 94.580 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW015220.D
 Acq: 20 Apr 2020 13:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.1	41.6	124.9
157	117.3	53.8	161.2

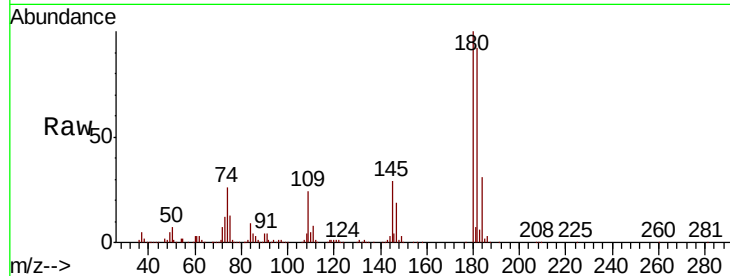




#93
 1,2,4-Trichlorobenzene
 Concen: 114.324 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015220.D
 Acq: 20 Apr 2020 13:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.1	141.4
145	29.2	16.2	48.6

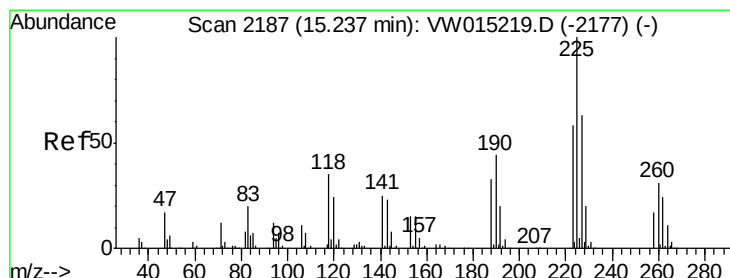
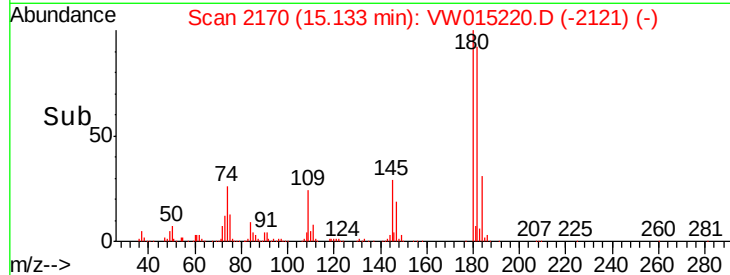
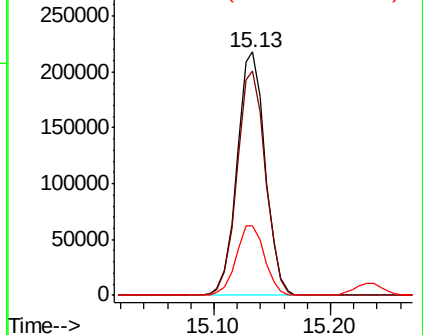


Abundance

Ion 179.80 (179.50 to 180.50): V

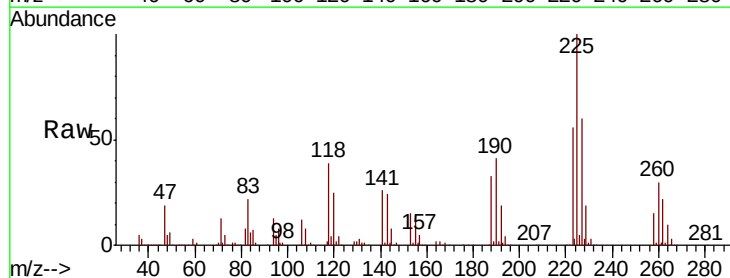
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 126.059 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW015220.D
 Acq: 20 Apr 2020 13:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.3	31.0	93.0
227	63.3	30.8	92.3

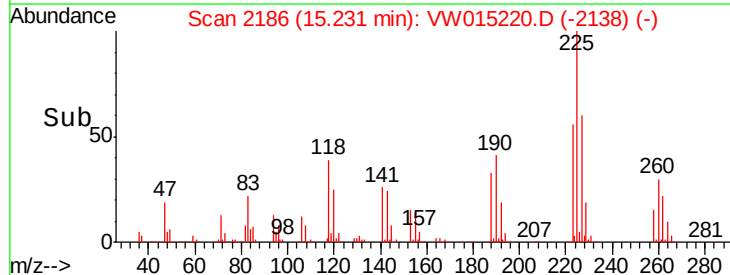
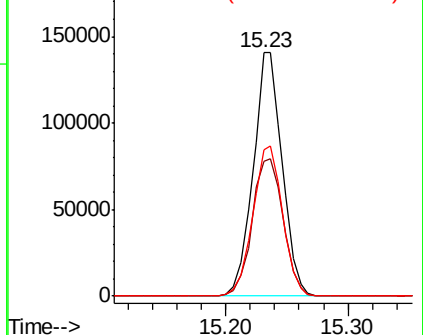


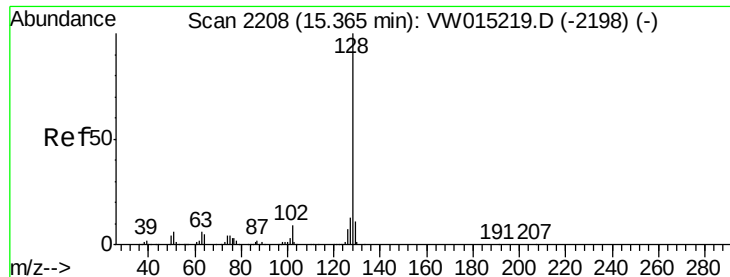
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

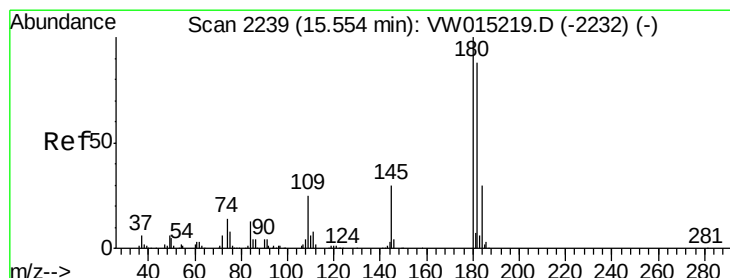
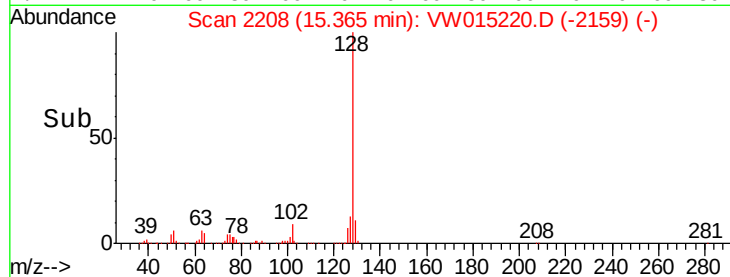
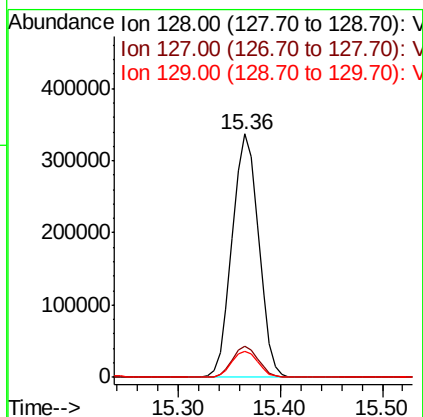
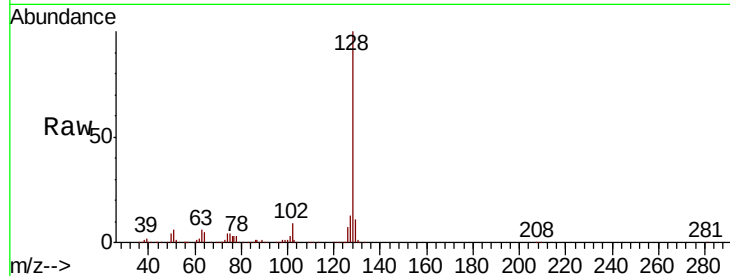




#95
Naphthalene
Concen: 98.270 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015220.D
Acq: 20 Apr 2020 13:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:128 Resp: 604052
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 106.394 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW015220.D
Acq: 20 Apr 2020 13:43

Tgt Ion:180 Resp: 291743
Ion Ratio Lower Upper
180 100
182 96.5 48.8 146.3
145 31.4 17.2 51.6

