

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042120\
 Data File : VW015274.D
 Acq On : 21 Apr 2020 20:08
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 22 06:01:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	211516	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	304125	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	290751	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	164455	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	92505	53.48	ug/l	0.00
Spiked Amount			Recovery	=	106.96%	
35) Dibromofluoromethane	7.88	113	94594	56.15	ug/l	0.00
Spiked Amount			Recovery	=	112.30%	
50) Toluene-d8	10.32	98	381213	53.79	ug/l	0.00
Spiked Amount			Recovery	=	107.58%	
62) 4-Bromofluorobenzene	12.62	95	148023	54.74	ug/l	0.00
Spiked Amount			Recovery	=	109.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	77092	46.154	ug/l	97
3) Chloromethane	2.22	50	86878	47.763	ug/l	100
4) Vinyl Chloride	2.36	62	101437	47.225	ug/l	98
5) Bromomethane	2.76	94	80905	52.975	ug/l	90
6) Chloroethane	2.92	64	62123	46.627	ug/l	96
7) Trichlorofluoromethane	3.26	101	141269	46.479	ug/l	99
8) Diethyl Ether	3.69	74	42805	50.174	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	4.06	101	87293	46.572	ug/l	91
10) Methyl Iodide	4.28	142	96417	48.975	ug/l	98
11) Tert butyl alcohol	5.17	59	34340	243.553	ug/l	98
12) 1,1-Dichloroethene	4.04	96	85528	47.407	ug/l	93
13) Acrolein	3.90	56	19463	263.737	ug/l	97
14) Allyl chloride	4.68	41	110111	46.007	ug/l #	85
15) Acrylonitrile	5.37	53	80425	247.716	ug/l	98
16) Acetone	4.12	43	62298	206.212	ug/l	97
17) Carbon Disulfide	4.39	76	249276	46.495	ug/l	99
18) Methyl Acetate	4.68	43	37700	47.144	ug/l	93
19) Methyl tert-butyl Ether	5.43	73	205905	49.717	ug/l	96
20) Methylene Chloride	4.92	84	95104	48.033	ug/l	89
21) trans-1,2-Dichloroethene	5.43	96	100723	49.227	ug/l	90
22) Diisopropyl ether	6.32	45	223614	48.702	ug/l #	93
23) Vinyl Acetate	6.26	43	656420	243.627	ug/l	95
24) 1,1-Dichloroethane	6.22	63	156855	49.293	ug/l	98
25) 2-Butanone	7.17	43	95306	237.780	ug/l #	88
26) 2,2-Dichloropropane	7.17	77	146305	43.703	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	110875	50.193	ug/l	97
28) Bromochloromethane	7.51	49	58432	50.506	ug/l #	72
29) Tetrahydrofuran	7.53	42	62413	249.937	ug/l	87
30) Chloroform	7.68	83	171747	50.008	ug/l	99
31) Cyclohexane	7.96	56	132872	41.540	ug/l	88
32) 1,1,1-Trichloroethane	7.87	97	156400	47.185	ug/l	99
36) 1,1-Dichloropropene	8.09	75	128563	46.837	ug/l	99
37) Ethyl Acetate	7.25	43	43934	49.318	ug/l #	96
38) Carbon Tetrachloride	8.07	117	139883	46.633	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	167100	45.738	ug/l	96
40) Benzene	8.32	78	362313	49.413	ug/l	97
41) Methacrylonitrile	7.48	41	25926	48.504	ug/l	88
42) 1,2-Dichloroethane	8.40	62	108341	50.191	ug/l	100
43) Isopropyl Acetate	8.42	43	93205	49.885	ug/l	95
44) Trichloroethene	9.09	130	112478	50.150	ug/l	91
45) 1,2-Dichloropropane	9.37	63	84250	49.409	ug/l	99
46) Dibromomethane	9.46	93	50594	51.294	ug/l #	86
47) Bromodichloromethane	9.65	83	130487	49.487	ug/l	98
48) Methyl methacrylate	9.43	41	42185	47.761	ug/l #	80
49) 1,4-Dioxane	9.45	88	14648	1113.970	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	230440	262.737	ug/l	96
52) Toluene	10.39	92	261639	50.985	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	126984	48.841	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	148064	48.995	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	70561	51.088	ug/l	98
56) Ethyl methacrylate	10.65	69	90413	50.814	ug/l	91
57) 1,3-Dichloropropane	10.93	76	115973	50.690	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	204399	247.783	ug/l	89
59) 2-Hexanone	10.97	43	154896	247.403	ug/l	96
60) Dibromochloromethane	11.13	129	94685	51.921	ug/l	99
61) 1,2-Dibromoethane	11.23	107	68976	51.180	ug/l	97
64) Tetrachloroethene	10.86	164	104868	50.536	ug/l	92
65) Chlorobenzene	11.66	112	287839	50.451	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	105677	51.535	ug/l	97
67) Ethyl Benzene	11.73	91	519991	48.872	ug/l	98
68) m/p-Xylenes	11.84	106	421251	101.007	ug/l	98
69) o-Xylene	12.16	106	197666	50.778	ug/l	98
70) Styrene	12.18	104	341048	51.397	ug/l	99
71) Bromoform	12.35	173	61277	53.035	ug/l #	98
73) Isopropylbenzene	12.46	105	545777	47.865	ug/l	100
74) N-amyl acetate	12.27	43	95254	48.018	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.71	83	77786	48.048	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	105806	83.165	ug/l #	100
77) Bromobenzene	12.74	156	132084	50.420	ug/l	82
78) n-propylbenzene	12.80	91	624983	47.076	ug/l	96
79) 2-Chlorotoluene	12.89	91	361776	48.354	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	476446	48.507	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	26440	45.430	ug/l	92
82) 4-Chlorotoluene	12.99	91	382006	48.089	ug/l	97
83) tert-Butylbenzene	13.21	119	415164	48.360	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	471517	48.671	ug/l	98
85) sec-Butylbenzene	13.38	105	569606	48.044	ug/l	97
86) p-Isopropyltoluene	13.50	119	534035	48.475	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	261945	50.325	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	256376	50.247	ug/l	97
89) n-Butylbenzene	13.82	91	467813	46.458	ug/l	98
90) Hexachloroethane	14.09	117	97801	48.407	ug/l	72
91) 1,2-Dichlorobenzene	13.87	146	231846	51.258	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.48	75	14920	50.926	ug/l	87

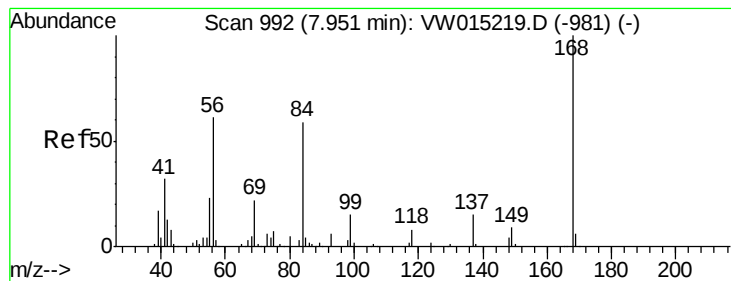
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	155347	49.412	ug/l	98
94) Hexachlorobutadiene	15.24	225	104004	49.619	ug/l	100
95) Naphthalene	15.36	128	253870	50.198	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	130386	50.972	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015274.D

Acq: 21 Apr 2020 20:08

Instrument :

MSVOA_W

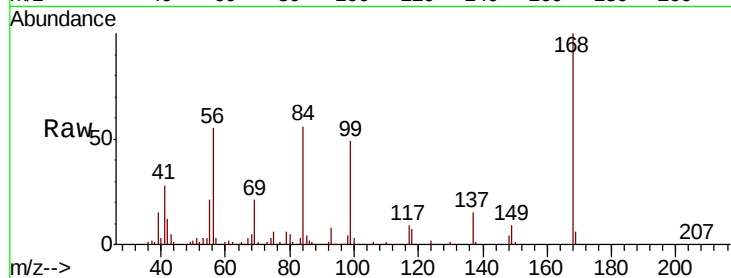
ClientSampleId :

Tot Ion:168 Resp: 211516

Ion Ratio Lower Upper

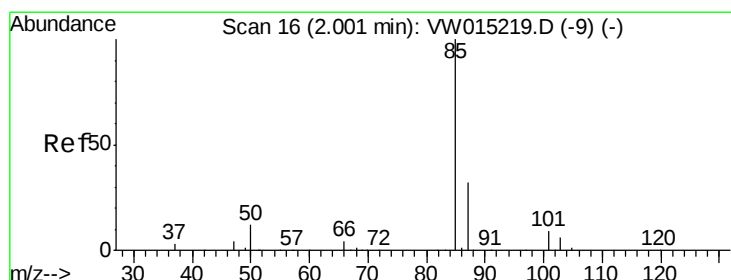
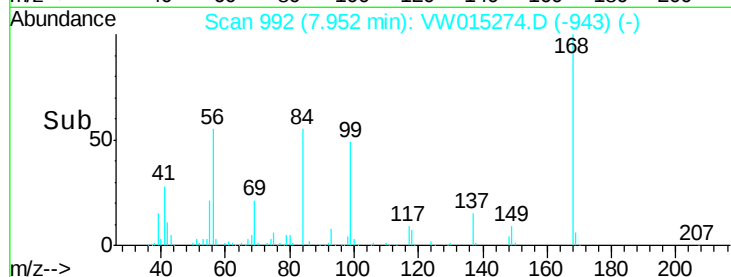
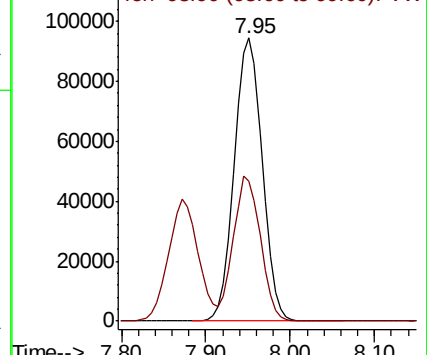
168 100

99 49.4 48.5 72.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 46.154 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW015274.D

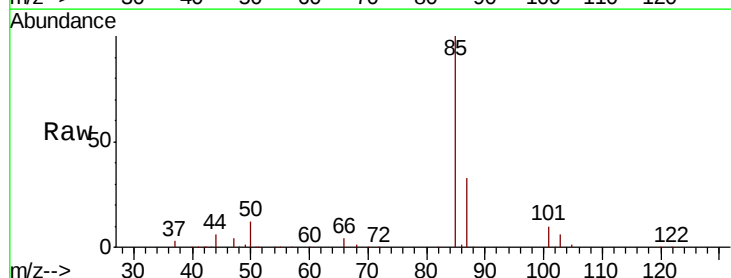
Acq: 21 Apr 2020 20:08

Tgt Ion: 85 Resp: 77092

Ion Ratio Lower Upper

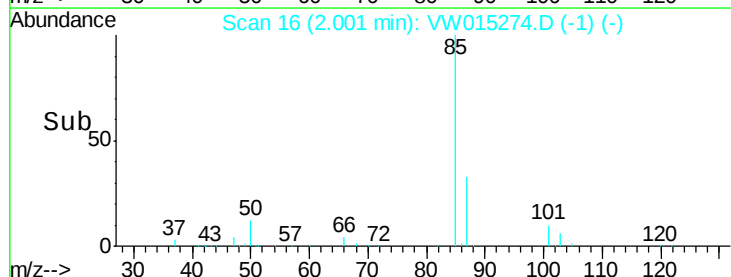
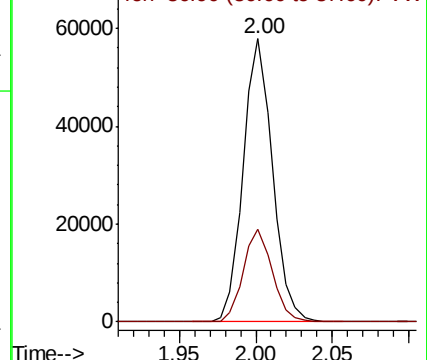
85 100

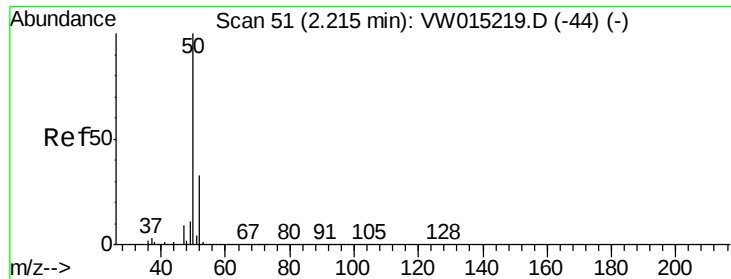
87 32.8 17.2 51.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 47.763 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW015274.D

Acq: 21 Apr 2020 20:08

Instrument :

MSVOA_W

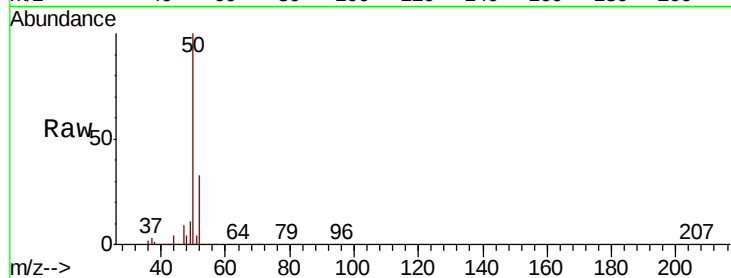
ClientSampled :

Tot Ion: 50 Resp: 86878

Ion Ratio Lower Upper

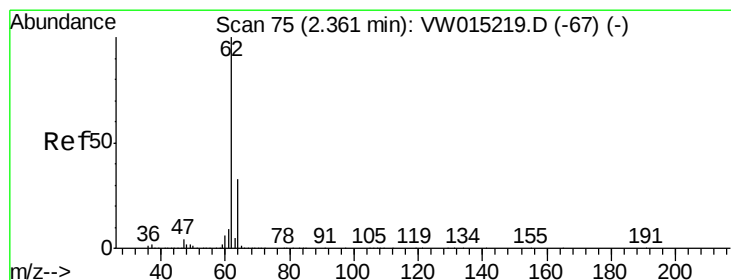
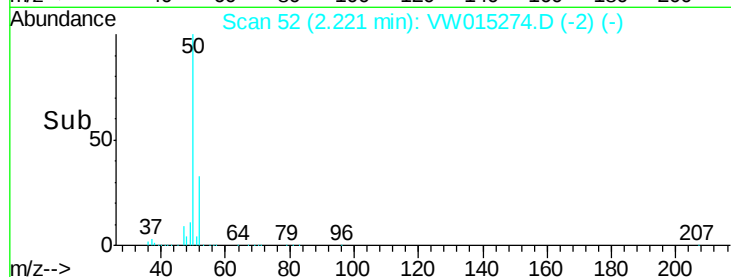
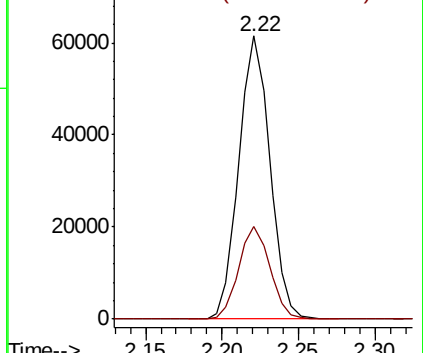
50 100

52 32.8 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 47.225 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW015274.D

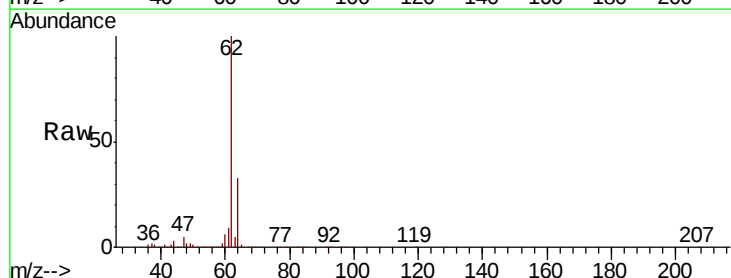
Acq: 21 Apr 2020 20:08

Tgt Ion: 62 Resp: 101437

Ion Ratio Lower Upper

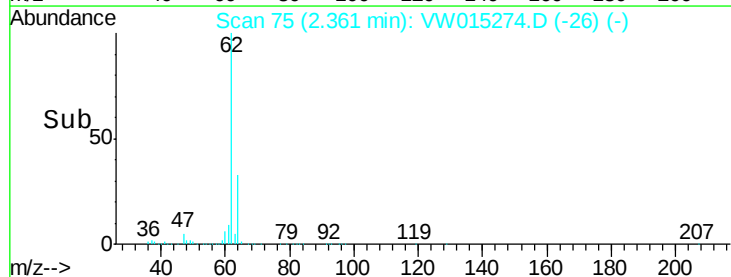
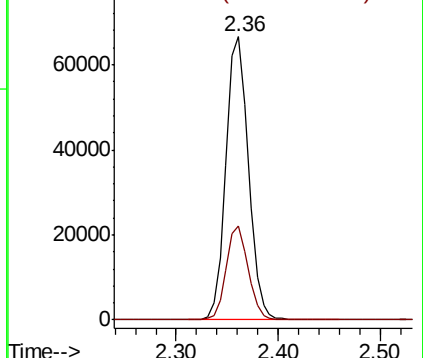
62 100

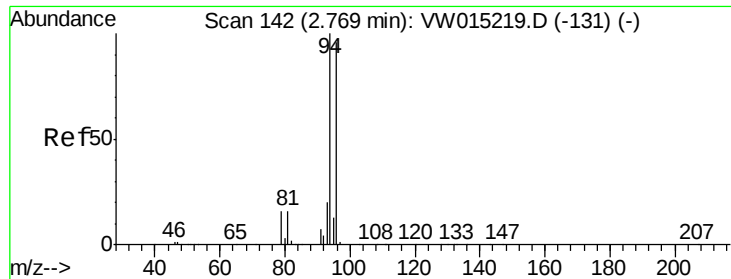
64 33.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

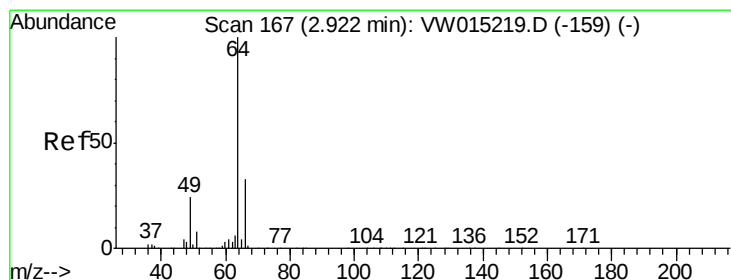
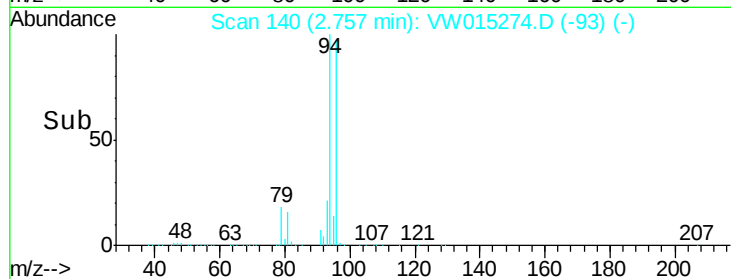
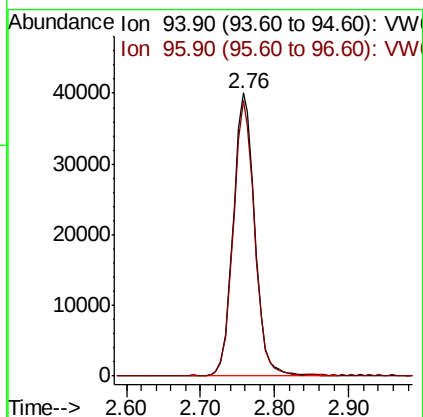
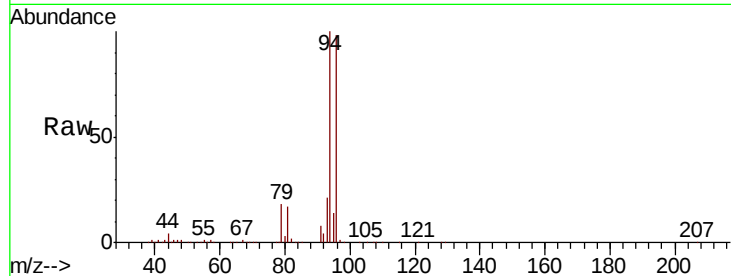




#5
Bromomethane
Concen: 52.975 ug/l
RT: 2.76 min Scan# 140
Delta R.T. -0.01 min
Lab File: VW015274.D
Acq: 21 Apr 2020 20:08

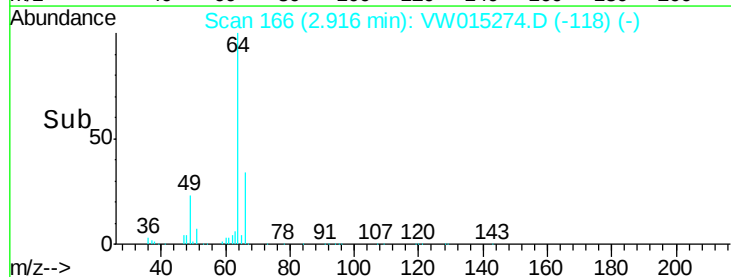
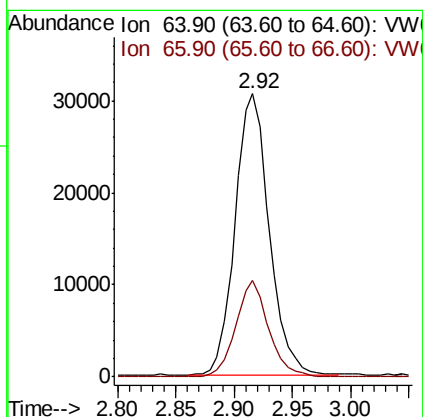
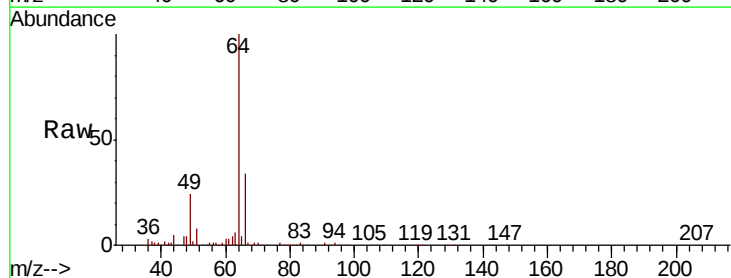
Instrument :
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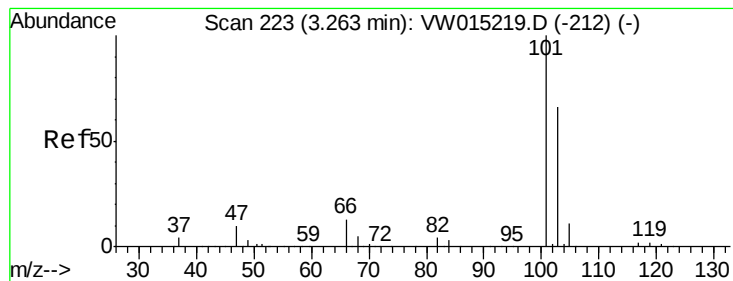
Tot Ion: 94 Resp: 80905
Ion Ratio Lower Upper
94 100
96 97.4 70.4 105.6



#6
Chloroethane
Concen: 46.627 ug/l
RT: 2.92 min Scan# 166
Delta R.T. -0.01 min
Lab File: VW015274.D
Acq: 21 Apr 2020 20:08

Tgt Ion: 64 Resp: 62123
Ion Ratio Lower Upper
64 100
66 34.5 25.8 38.6



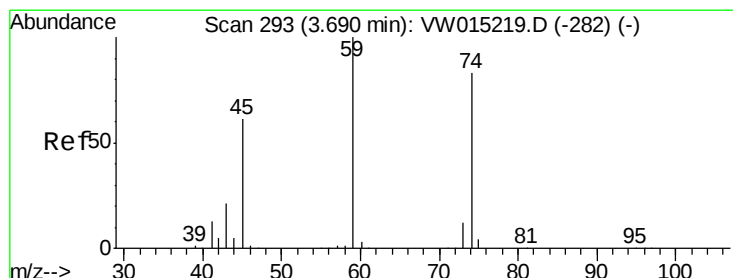
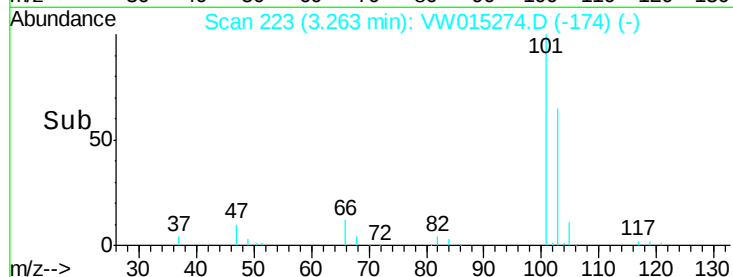
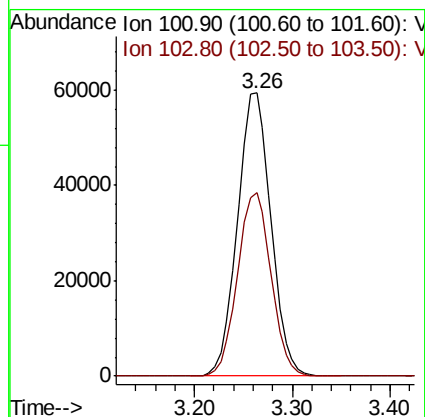
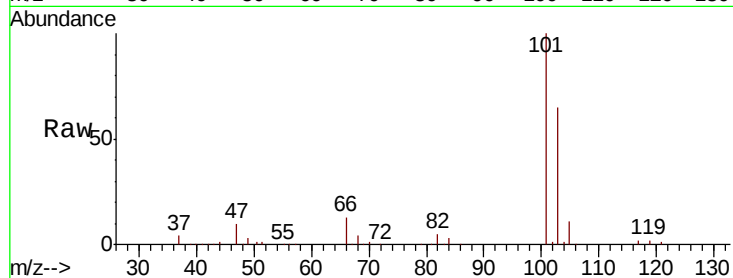


#7

Trichlorofluoromethane
 Concen: 46.479 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW015274.D
 Acq: 21 Apr 2020 20:08

Instrument :
 MSVOA_W
 ClientSampled :

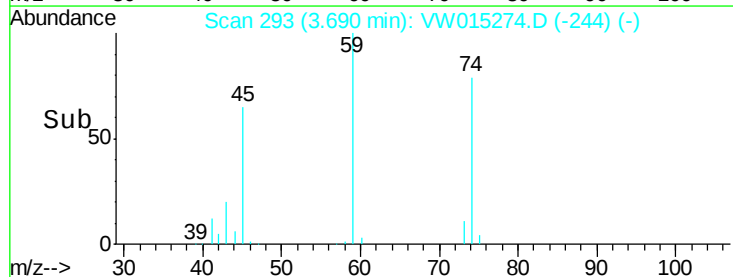
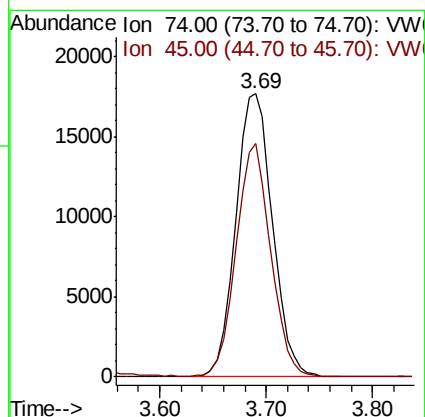
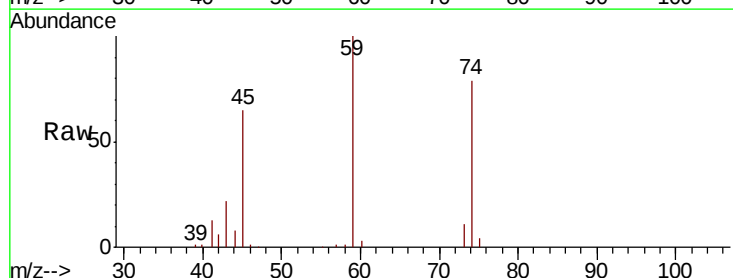
Tot Ion:101 Resp: 141269
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.3 76.9

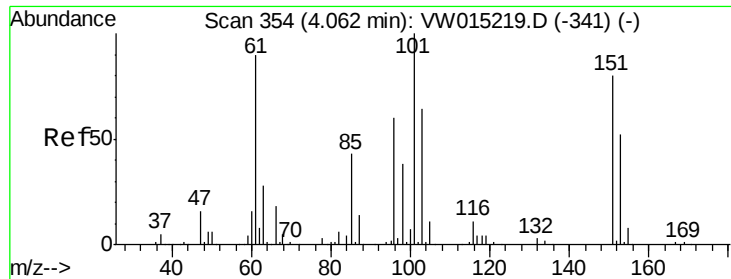


#8

Diethyl Ether
 Concen: 50.174 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VW015274.D
 Acq: 21 Apr 2020 20:08

Tgt Ion: 74 Resp: 42805
 Ion Ratio Lower Upper
 74 100
 45 77.9 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.572 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015274.D

Acq: 21 Apr 2020 20:08

Instrument :

MSVOA_W

ClientSampleId :

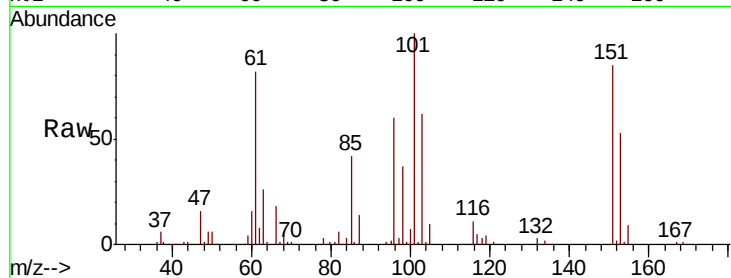
Tot Ion:101 Resp: 87293

Ion Ratio Lower Upper

101 100

85 43.6 35.3 52.9

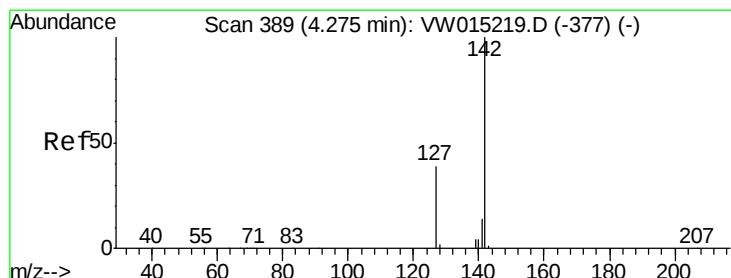
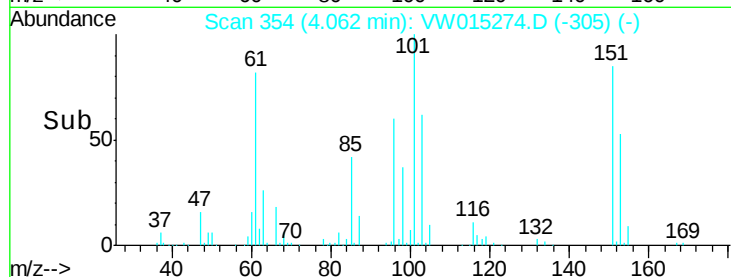
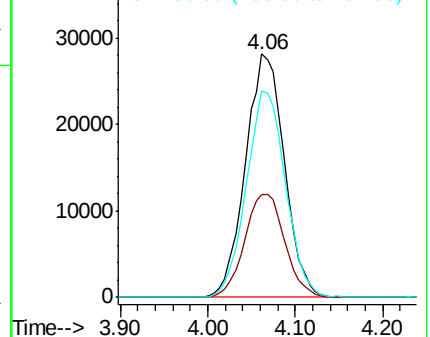
151 85.4 59.3 88.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.975 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.00 min

Lab File: VW015274.D

Acq: 21 Apr 2020 20:08

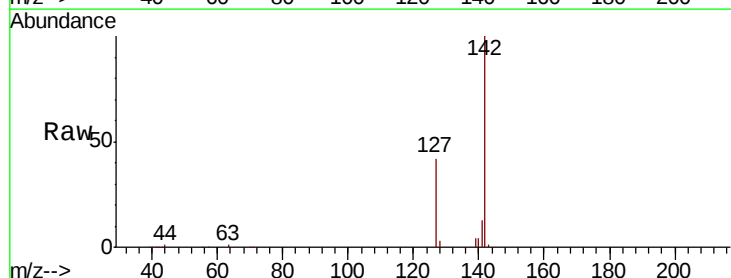
Tgt Ion:142 Resp: 96417

Ion Ratio Lower Upper

142 100

127 41.2 33.9 50.9

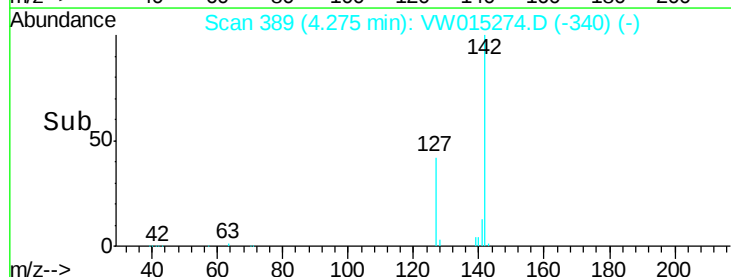
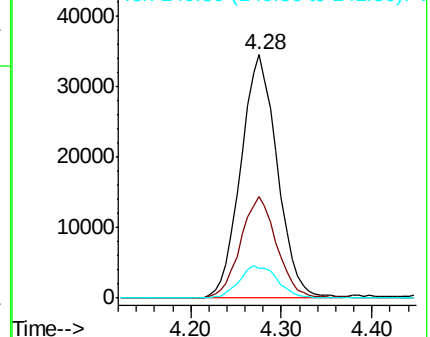
141 14.0 11.4 17.2

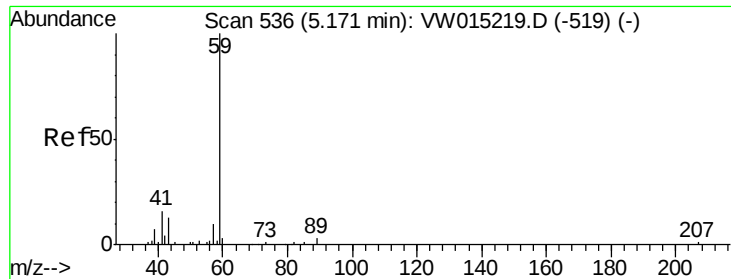


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



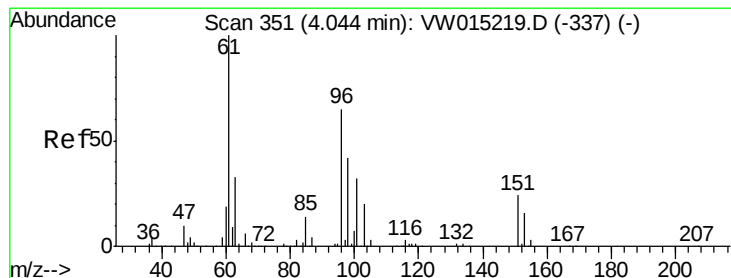
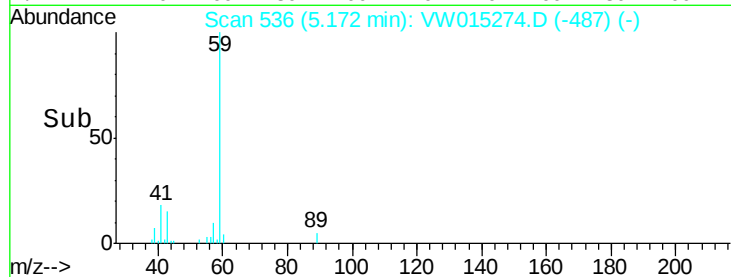
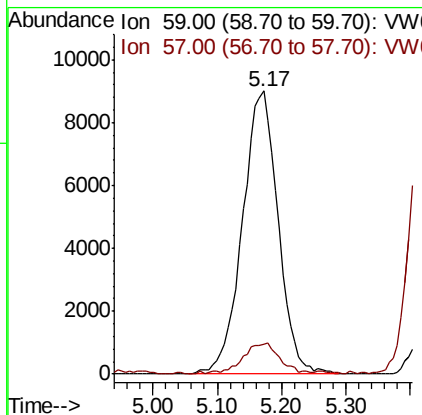
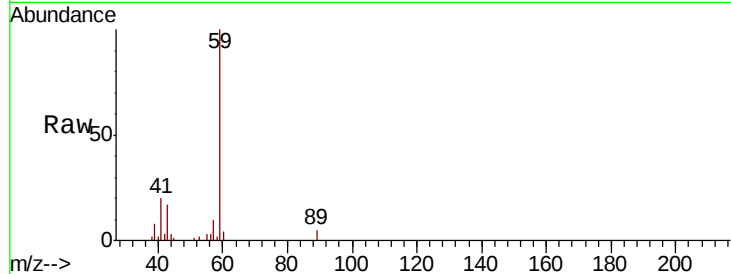


#11

Tert butyl alcohol
Concen: 243.553 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.00 min
Lab File: VW015274.D
Acq: 21 Apr 2020 20:08

Instrument :
MSVOA_W
ClientSampled :

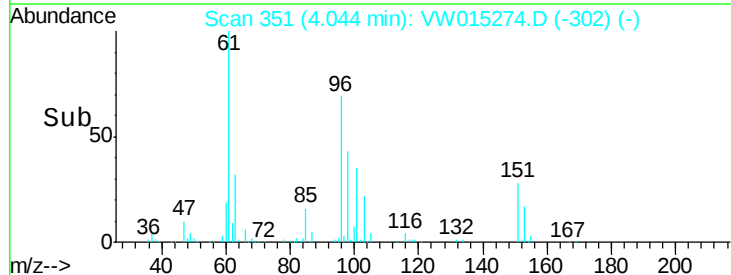
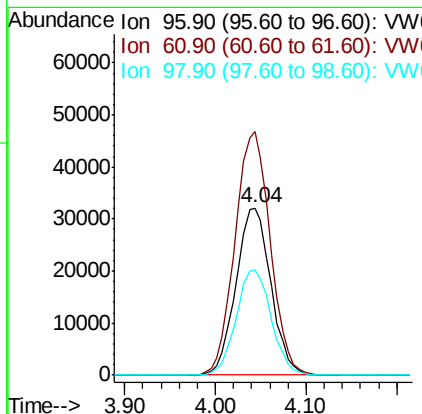
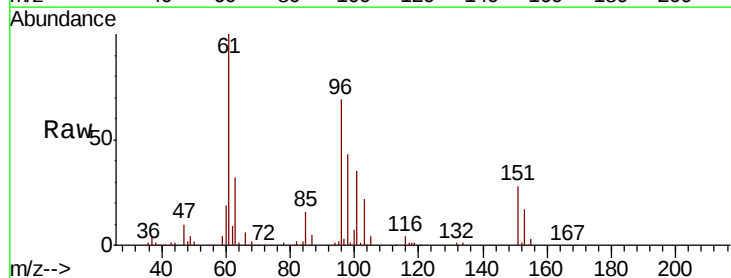
Tot Ion: 59 Resp: 34340
Ion Ratio Lower Upper
59 100
57 11.4 8.4 12.6

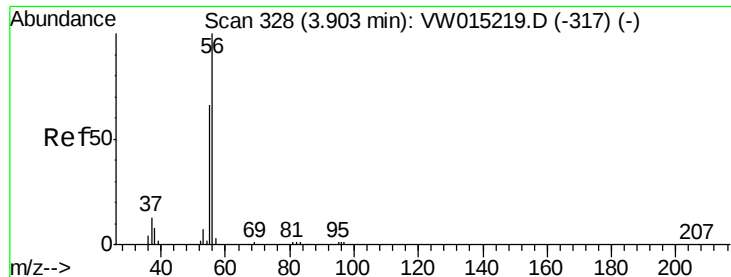


#12

1,1-Dichloroethene
Concen: 47.407 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.00 min
Lab File: VW015274.D
Acq: 21 Apr 2020 20:08

Tgt Ion: 96 Resp: 85528
Ion Ratio Lower Upper
96 100
61 145.4 127.0 190.4
98 62.9 51.0 76.4





#13

Acrolein

Concen: 263.737 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW015274.D

Acq: 21 Apr 2020 20:08

Instrument :

MSVOA_W

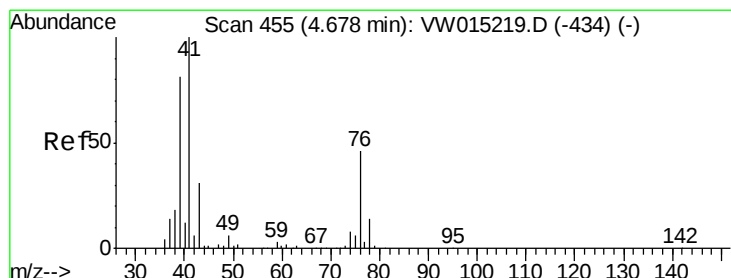
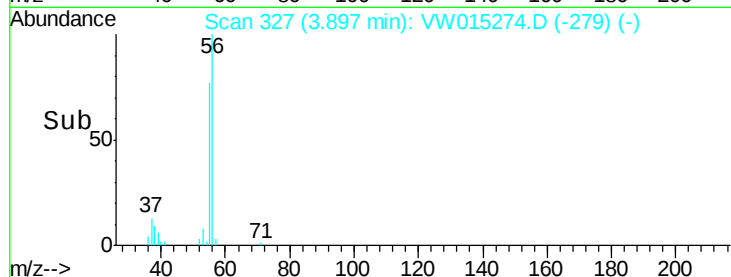
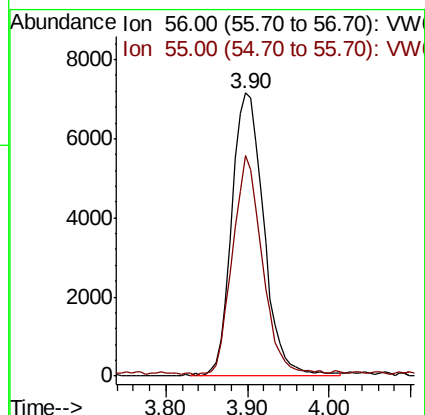
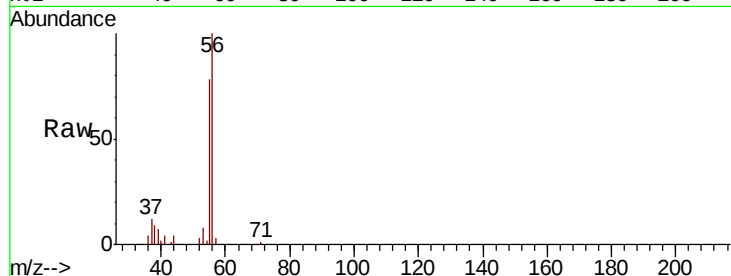
ClientSampleId :

Tot Ion: 56 Resp: 19463

Ion Ratio Lower Upper

56 100

55 72.7 56.2 84.2



#14

Allyl chloride

Concen: 46.007 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW015274.D

Acq: 21 Apr 2020 20:08

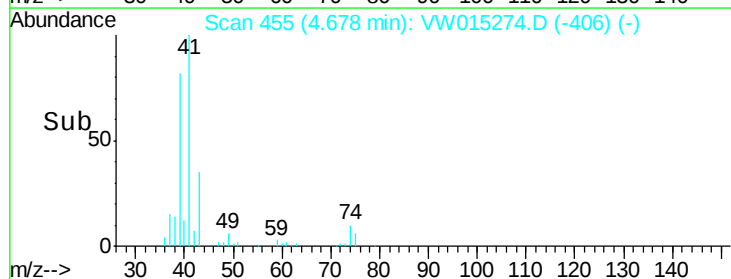
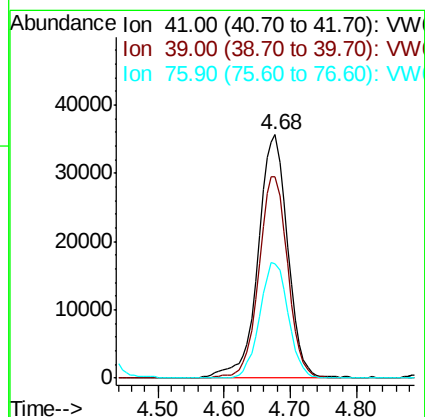
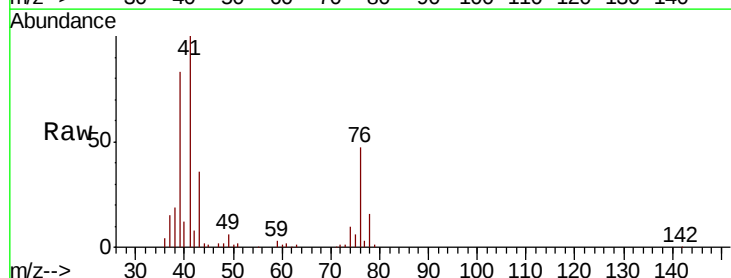
Tgt Ion: 41 Resp: 110111

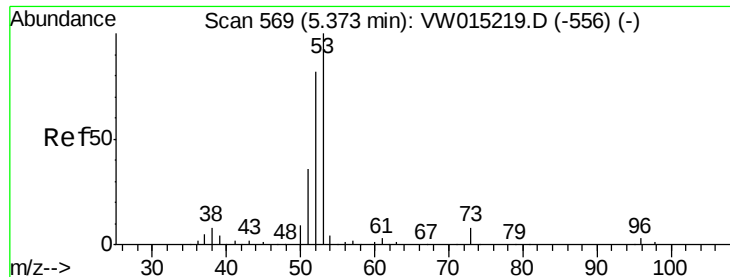
Ion Ratio Lower Upper

41 100

39 81.6 54.0 81.0#

76 46.0 31.8 47.6





#15

Acrylonitrile

Concen: 247.716 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW015274.D

Acq: 21 Apr 2020 20:08

Instrument :

MSVOA_W

ClientSampleId :

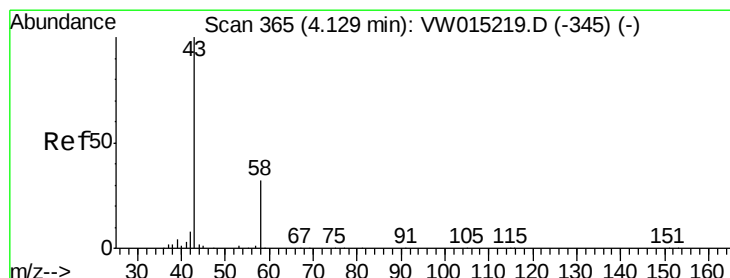
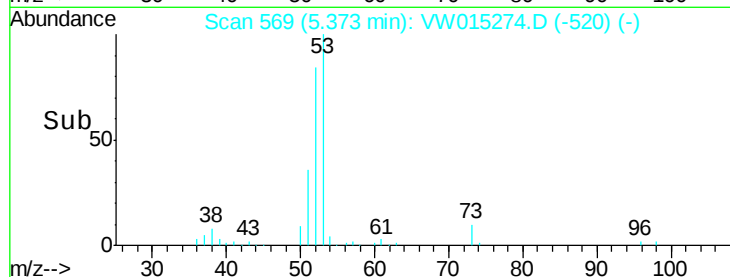
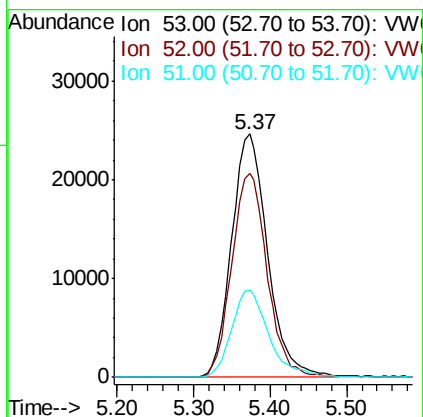
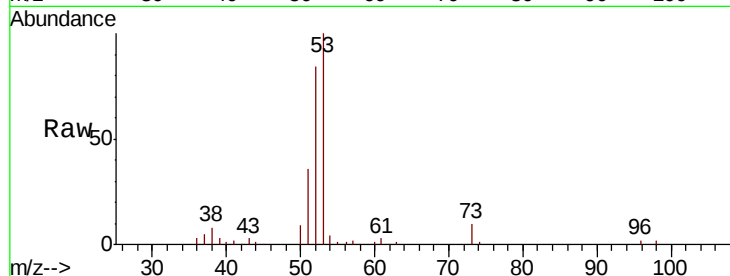
Tot Ion: 53 Resp: 80425

Ion Ratio Lower Upper

53 100

52 82.5 65.2 97.8

51 37.2 28.2 42.4



#16

Acetone

Concen: 206.212 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW015274.D

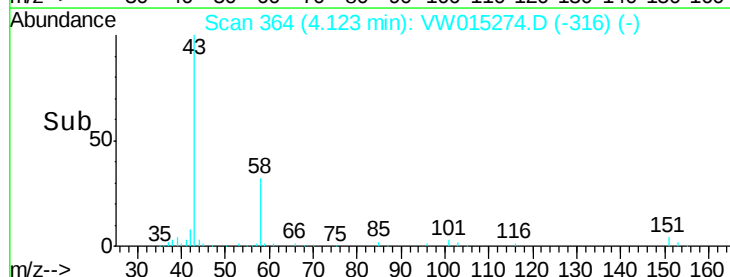
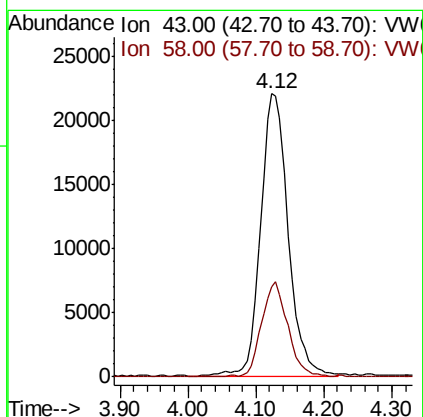
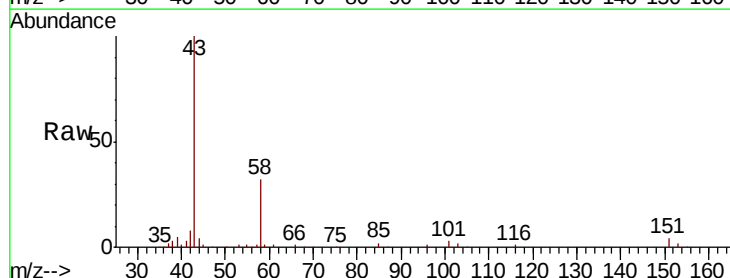
Acq: 21 Apr 2020 20:08

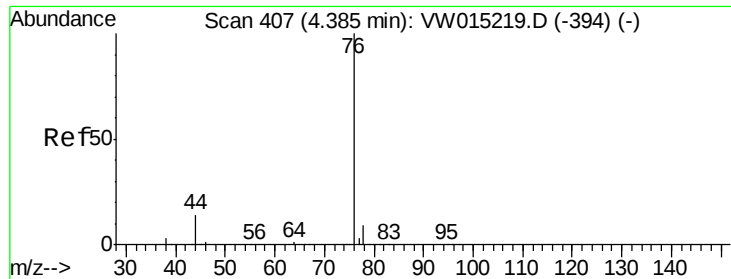
Tgt Ion: 43 Resp: 62298

Ion Ratio Lower Upper

43 100

58 31.8 27.0 40.4

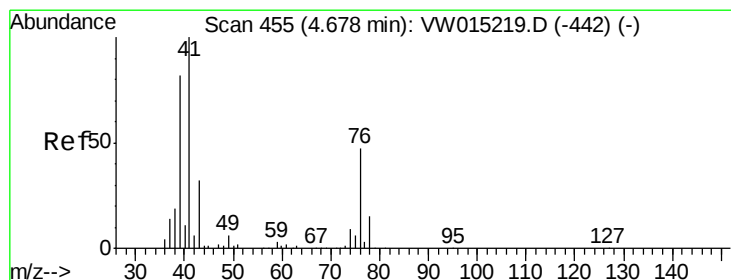
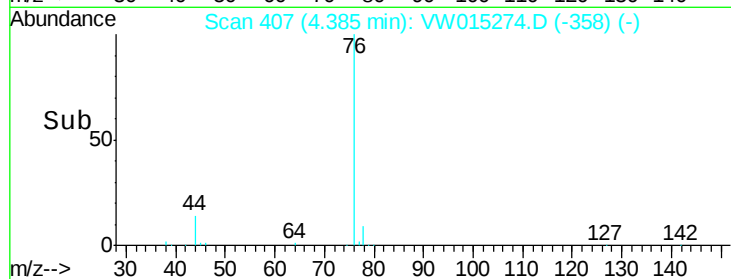
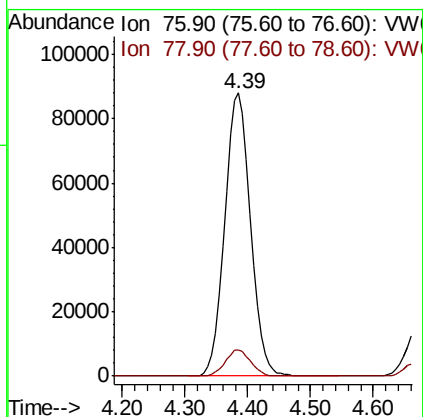
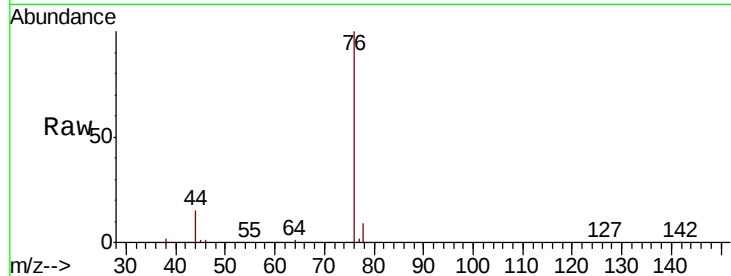




#17
Carbon Disulfide
Concen: 46.495 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW015274.D
Acq: 21 Apr 2020 20:08

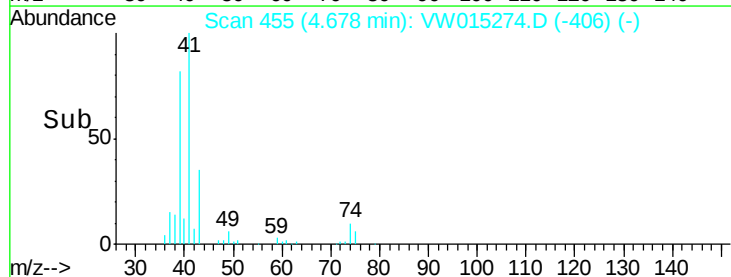
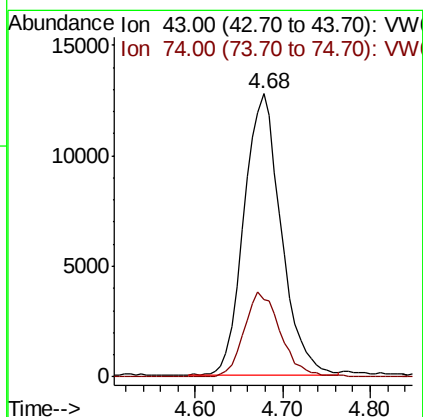
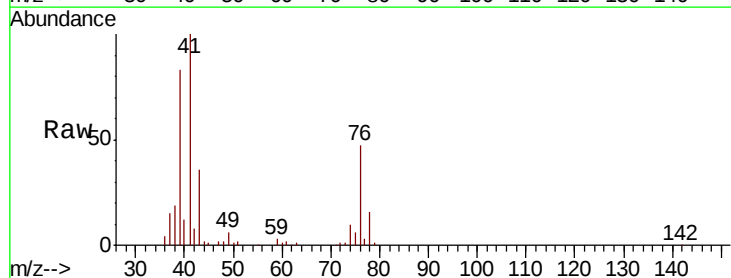
Instrument :
MSVOA_W
ClientSampleId :

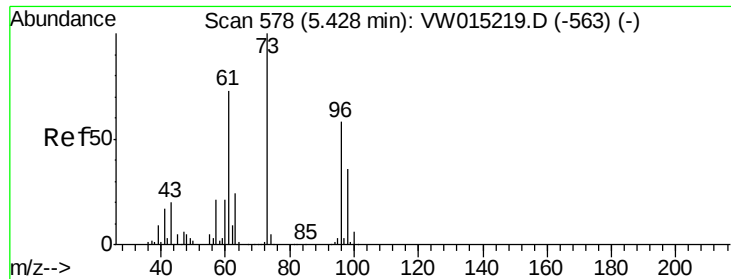
Tot Ion: 76 Resp: 249276
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6



#18
Methyl Acetate
Concen: 47.144 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW015274.D
Acq: 21 Apr 2020 20:08

Tgt Ion: 43 Resp: 37700
Ion Ratio Lower Upper
43 100
74 29.5 20.6 31.0

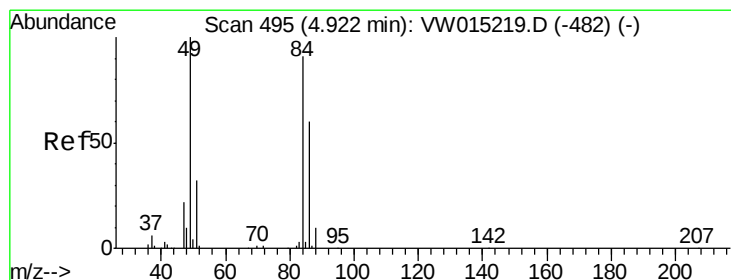
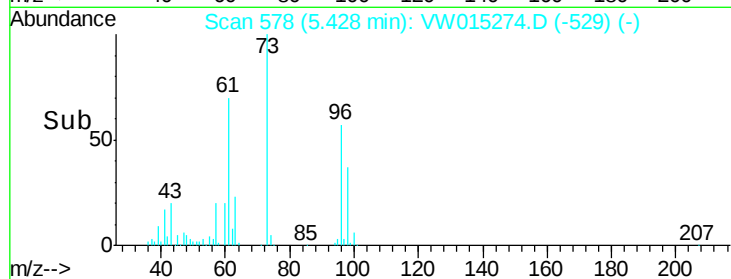
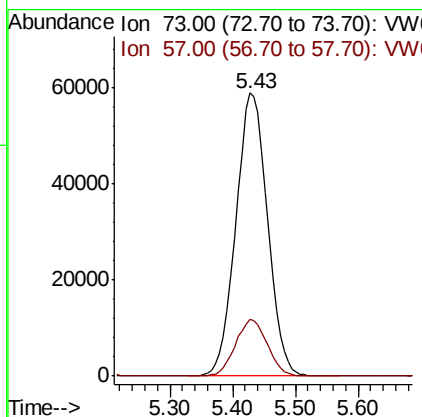
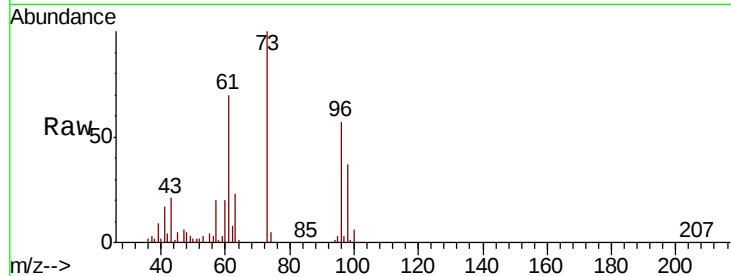




#19
Methvl tert-butvl Ether
Concen: 49.717 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW015274.D
Acq: 21 Apr 2020 20:08

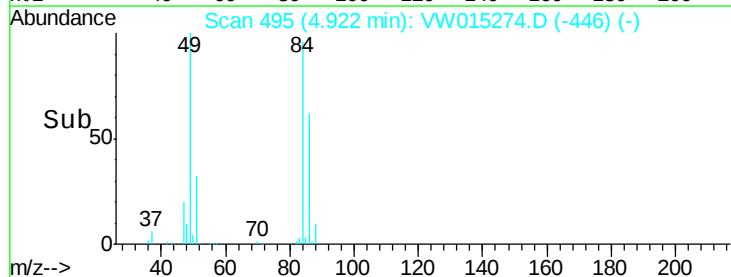
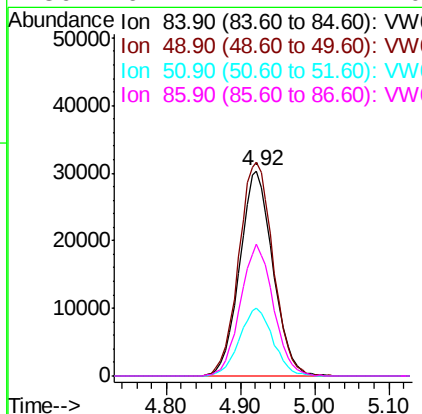
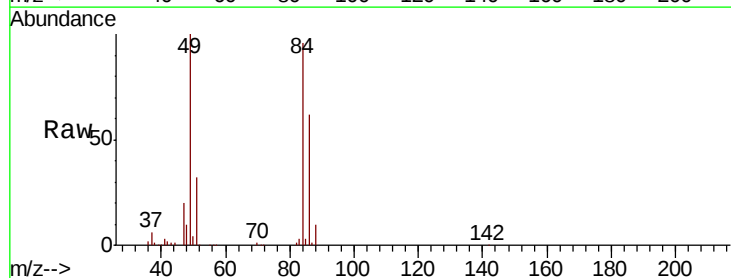
Instrument :
MSVOA_W
ClientSampleId :

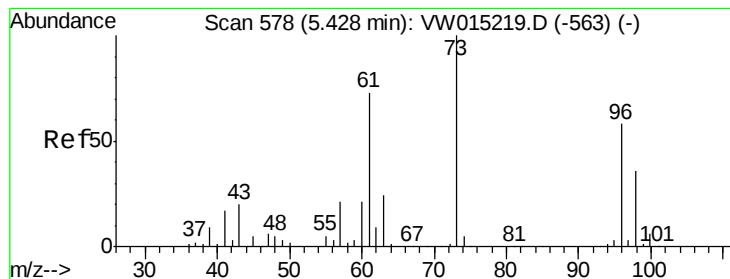
Tot Ion: 73 Resp: 205905
Ion Ratio Lower Upper
73 100
57 20.1 17.8 26.6



#20
Methylene Chloride
Concen: 48.033 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW015274.D
Acq: 21 Apr 2020 20:08

Tgt Ion: 84 Resp: 95104
Ion Ratio Lower Upper
84 100
49 104.1 95.4 143.0
51 33.0 29.8 44.8
86 64.2 47.4 71.0





#21

trans-1,2-Dichloroethene

Concen: 49.227 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW015274.D

Acq: 21 Apr 2020 20:08

Instrument :
MSVOA_W
ClientSampled :

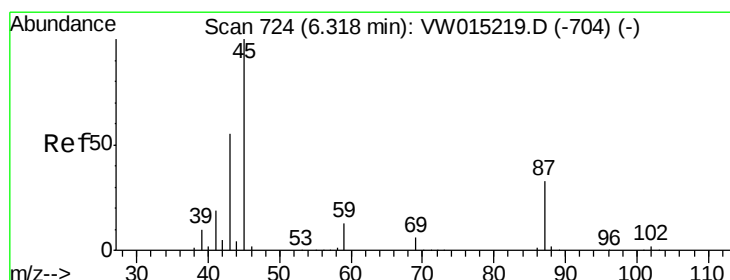
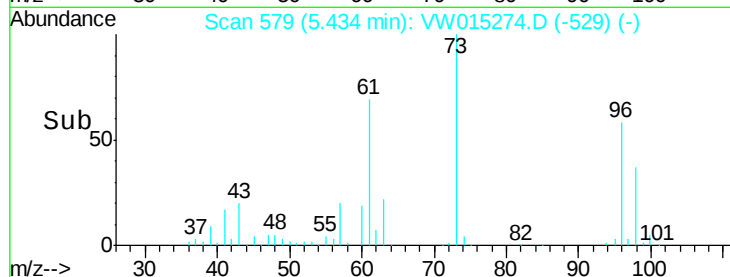
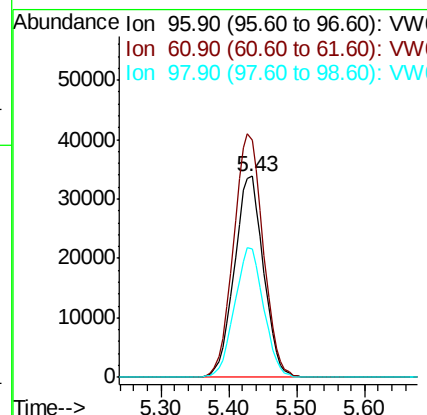
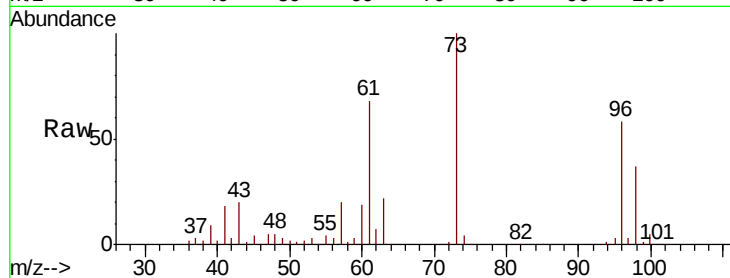
Tot Ion: 96 Resp: 100723

Ion Ratio Lower Upper

96 100

61 117.9 107.8 161.6

98 63.9 50.2 75.2



#22

Diisopropyl ether

Concen: 48.702 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW015274.D

Acq: 21 Apr 2020 20:08

Tgt Ion: 45 Resp: 223614

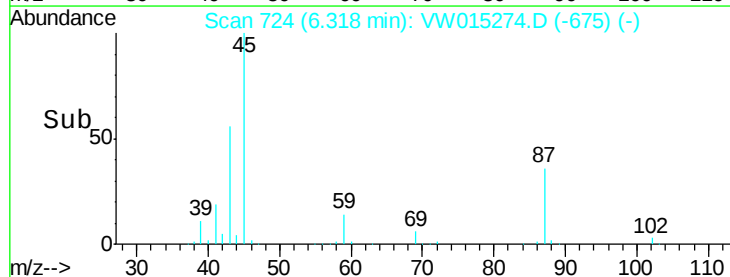
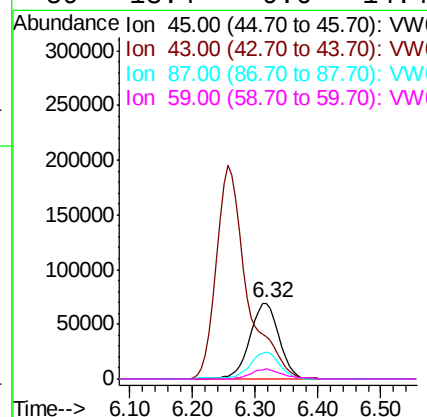
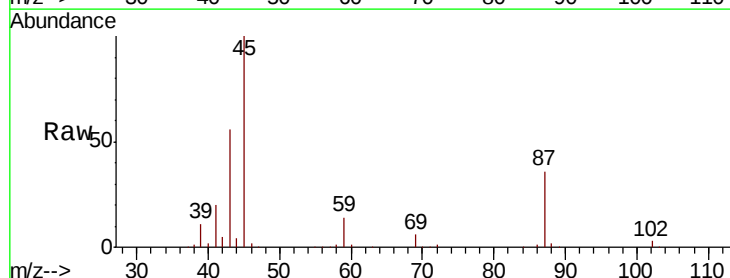
Ion Ratio Lower Upper

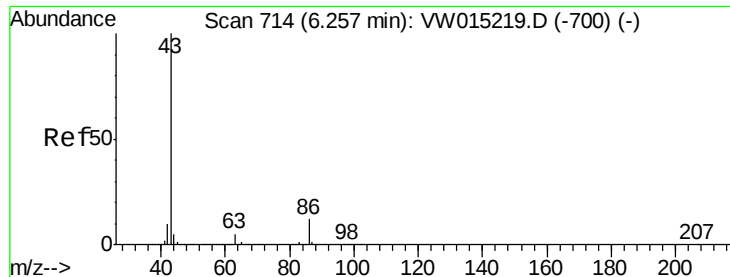
45 100

43 55.5 41.8 62.6

87 36.3 23.2 34.8#

59 13.4 9.6 14.4





#23

Vinyl Acetate

Concen: 243.627 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW015274.D

Acq: 21 Apr 2020 20:08

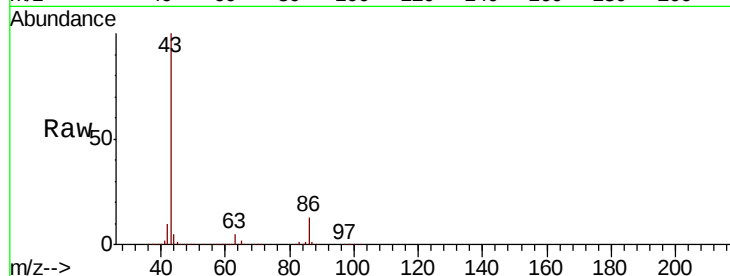
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 656420

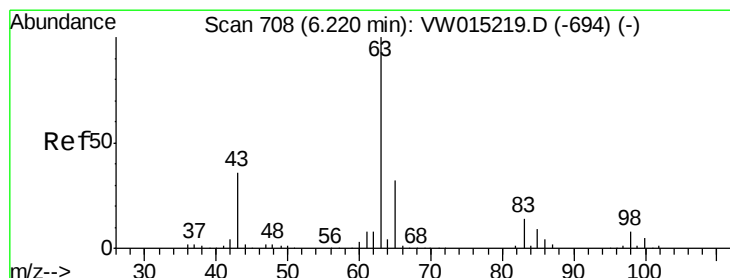
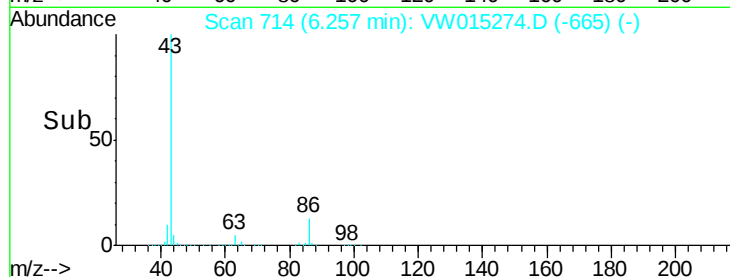
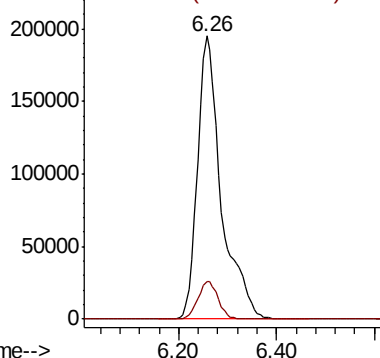
Ion Ratio Lower Upper

43 100

86 13.5 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 49.293 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015274.D

Acq: 21 Apr 2020 20:08

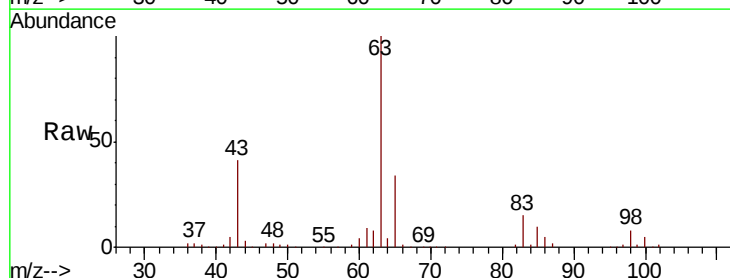
Tgt Ion: 63 Resp: 156855

Ion Ratio Lower Upper

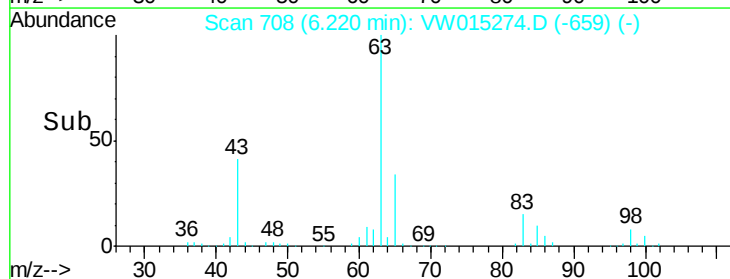
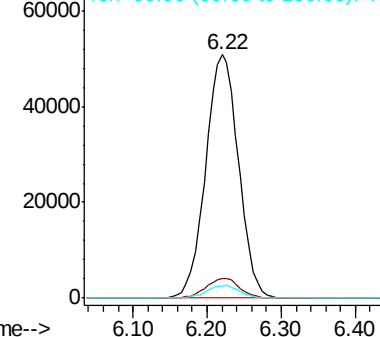
63 100

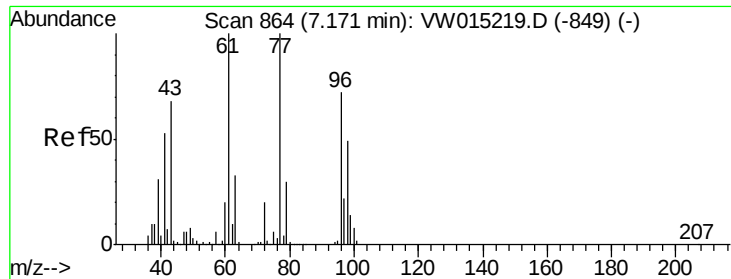
98 8.3 3.6 10.9

100 5.1 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 97.90 (97.60 to 98.60): VW
Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 237.780 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015274.D

Acq: 21 Apr 2020 20:08

Instrument :

MSVOA_W

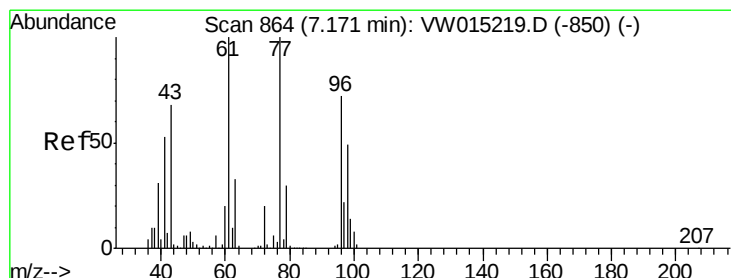
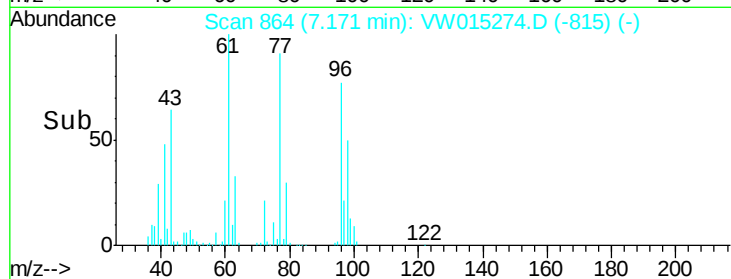
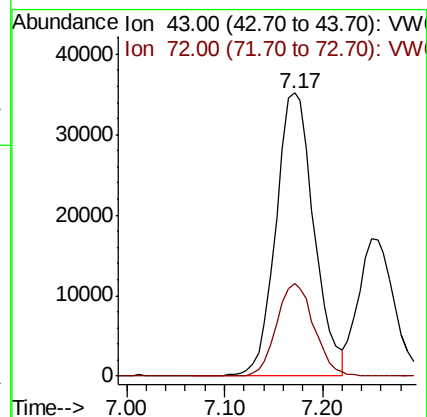
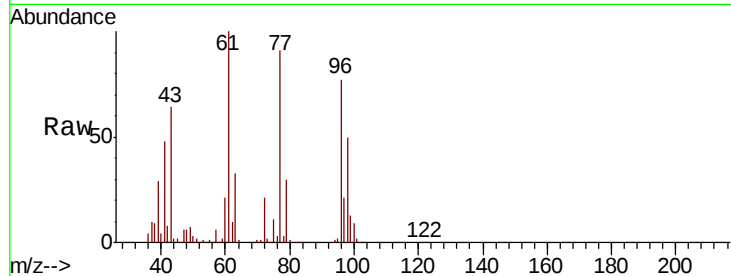
ClientSampled :

Tot Ion: 43 Resp: 95306

Ion Ratio Lower Upper

43 100

72 33.0 21.6 32.4#



#26

2,2-Dichloropropane

Concen: 43.703 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015274.D

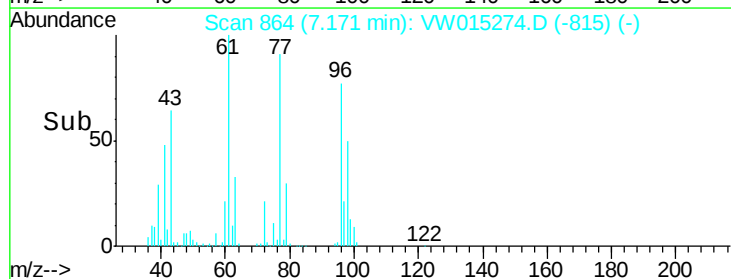
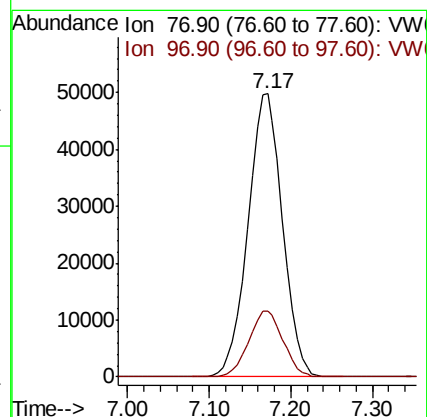
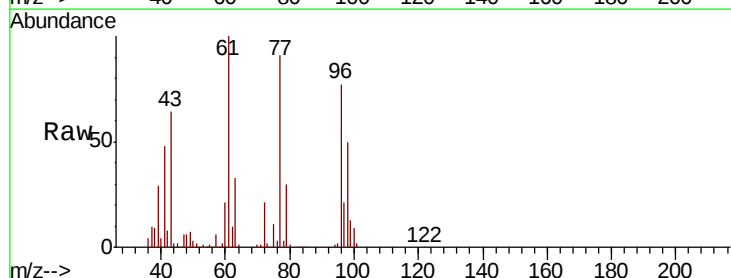
Acq: 21 Apr 2020 20:08

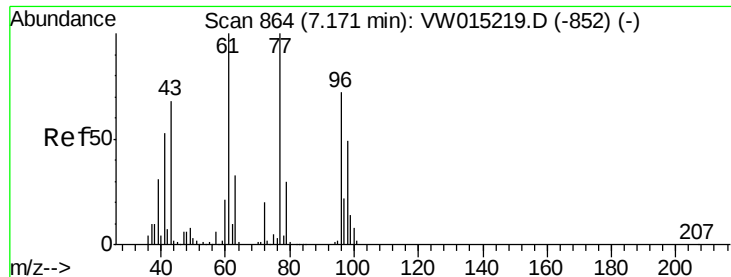
Tgt Ion: 77 Resp: 146305

Ion Ratio Lower Upper

77 100

97 23.2 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 50.193 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015274.D

Acq: 21 Apr 2020 20:08

Instrument :
MSVOA_W
ClientSampleId :

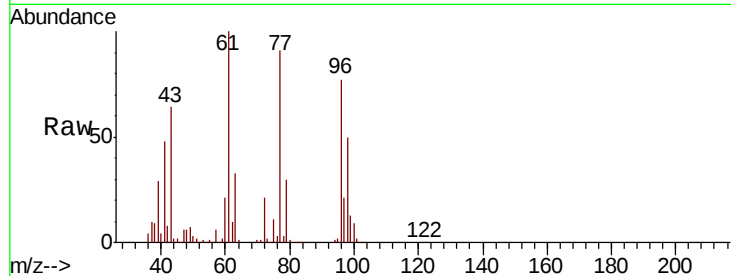
Tot Ion: 96 Resp: 110875

Ion Ratio Lower Upper

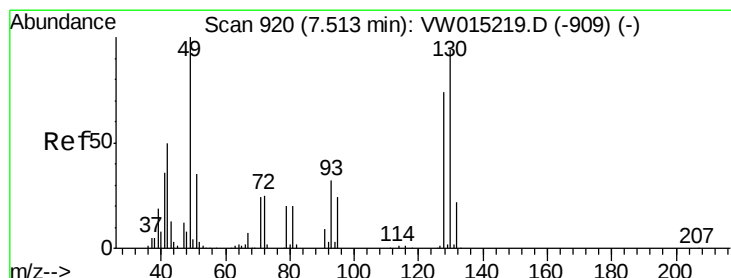
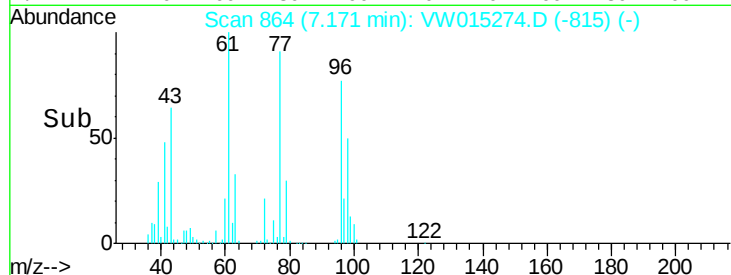
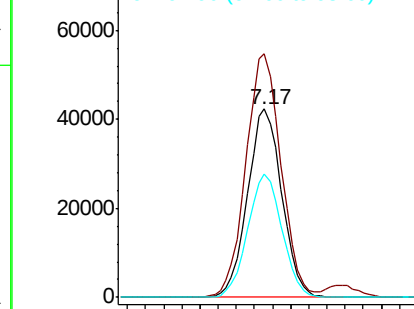
96 100

61 132.4 0.0 275.0

98 65.3 0.0 130.8



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



#28

Bromochloromethane

Concen: 50.506 ug/l

RT: 7.51 min Scan# 920

Delta R.T. 0.00 min

Lab File: VW015274.D

Acq: 21 Apr 2020 20:08

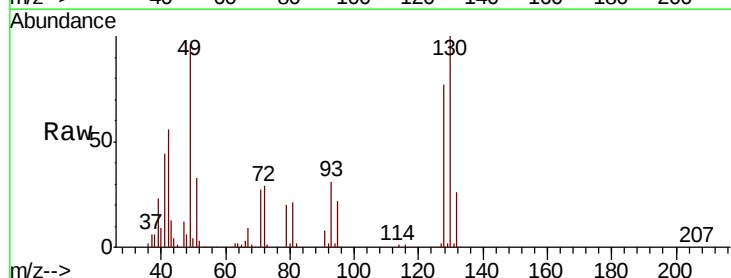
Tgt Ion: 49 Resp: 58432

Ion Ratio Lower Upper

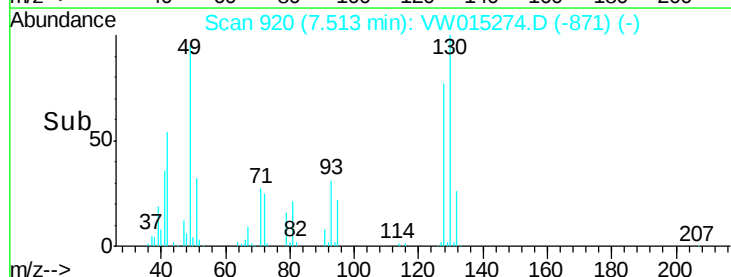
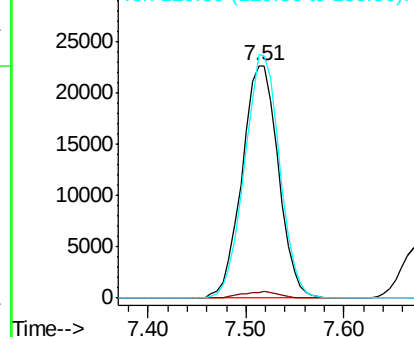
49 100

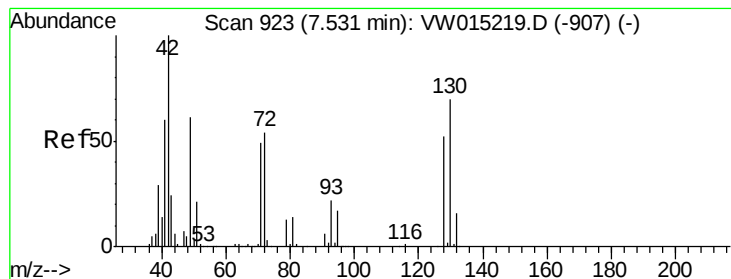
129 2.7 0.0 4.6

130 101.1 60.9 91.3#



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





#29

Tetrahydrofuran

Concen: 249.937 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW015274.D

Acq: 21 Apr 2020 20:08

Instrument :

MSVOA_W

ClientSampleId :

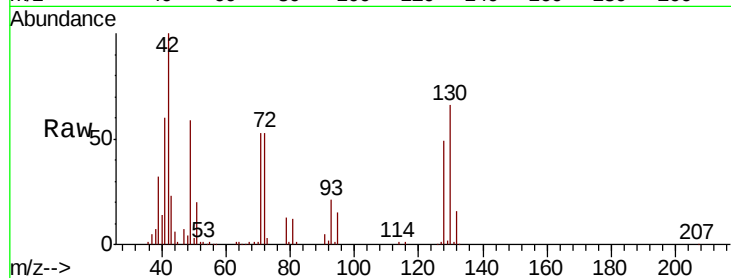
Tot Ion: 42 Resp: 62413

Ion Ratio Lower Upper

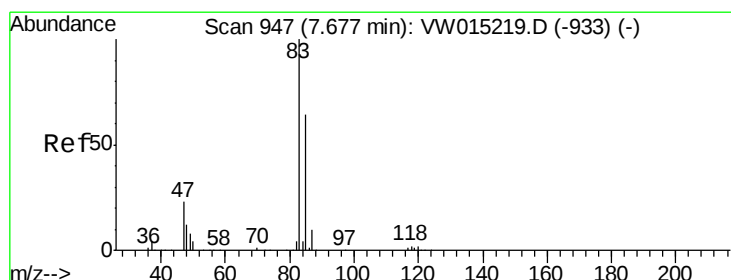
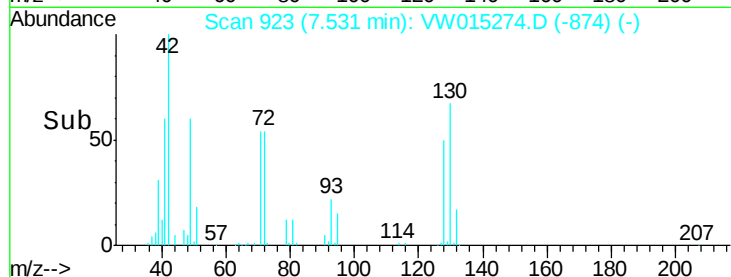
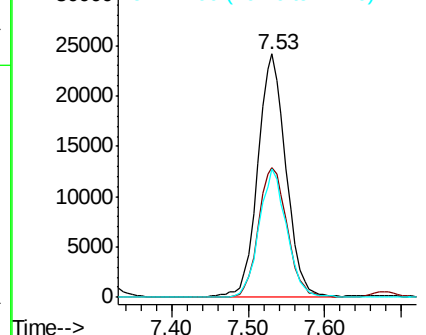
42 100

72 54.0 36.2 54.2

71 51.3 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: 50.008 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW015274.D

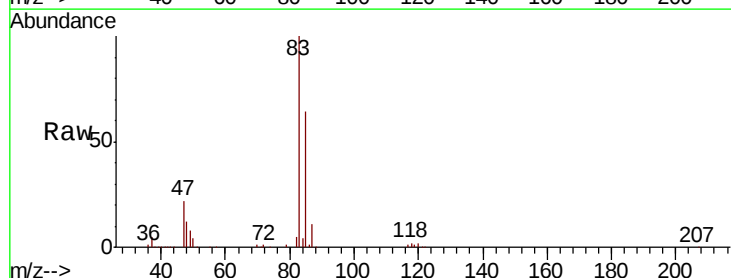
Acq: 21 Apr 2020 20:08

Tgt Ion: 83 Resp: 171747

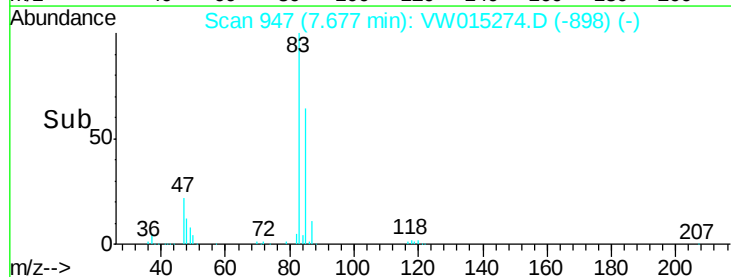
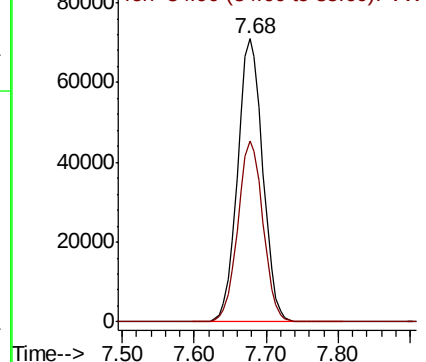
Ion Ratio Lower Upper

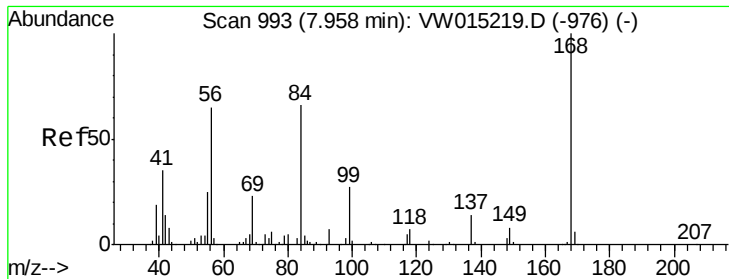
83 100

85 64.0 50.9 76.3



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

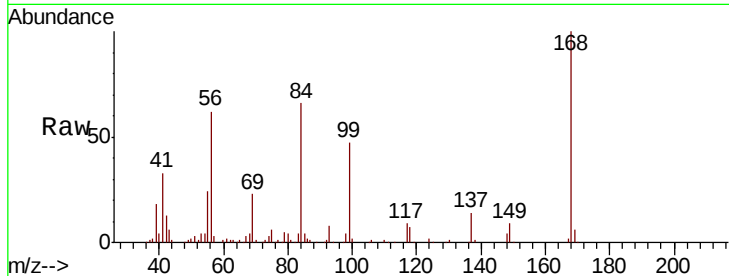




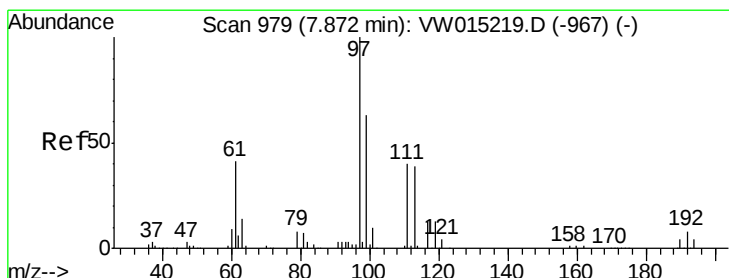
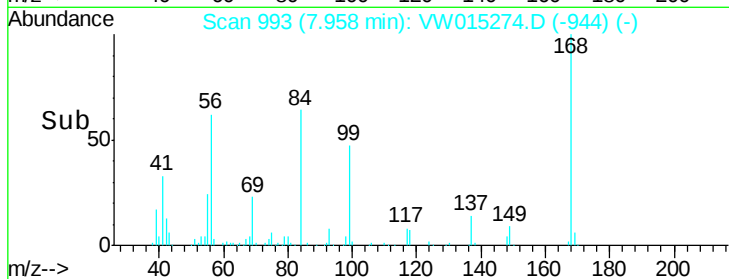
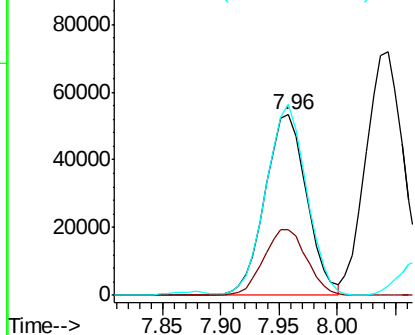
#31
Cyclohexane
Concen: 41.540 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015274.D
Acq: 21 Apr 2020 20:08

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 132872
Ion Ratio Lower Upper
56 100
69 36.5 27.1 40.7
84 103.9 71.9 107.9

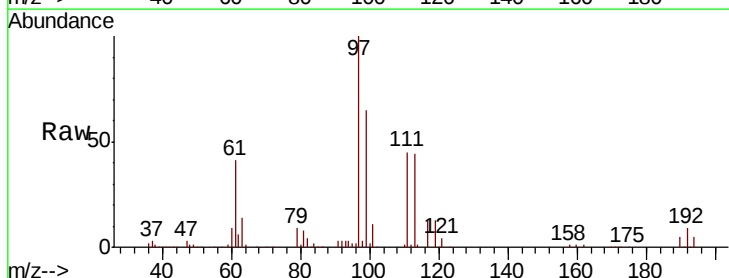


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

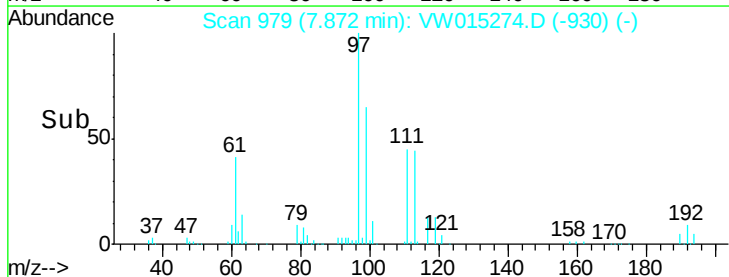
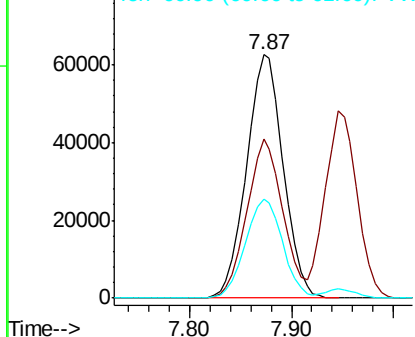


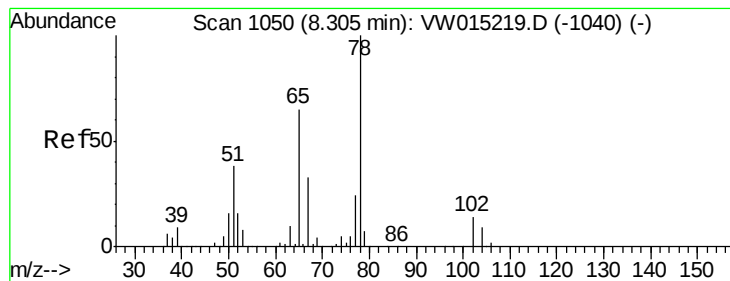
#32
1,1,1-Trichloroethane
Concen: 47.185 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015274.D
Acq: 21 Apr 2020 20:08

Tgt Ion: 97 Resp: 156400
Ion Ratio Lower Upper
97 100
99 64.6 52.2 78.2
61 41.4 34.2 51.2



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





#33

1,2-Dichloroethane-d4

Concen: 53.481 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW015274.D

Acq: 21 Apr 2020 20:08

Instrument :

MSVOA_W

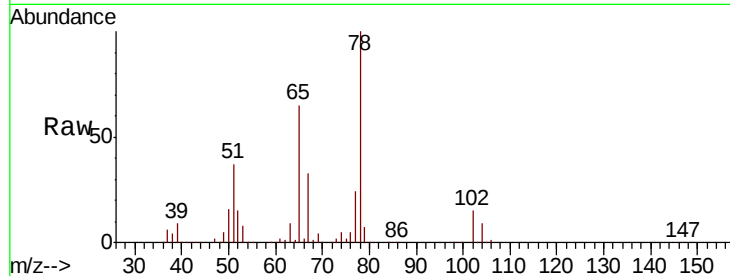
ClientSampleId :

Tot Ion: 65 Resp: 92505

Ion Ratio Lower Upper

65 100

67 50.8 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

40000

30000

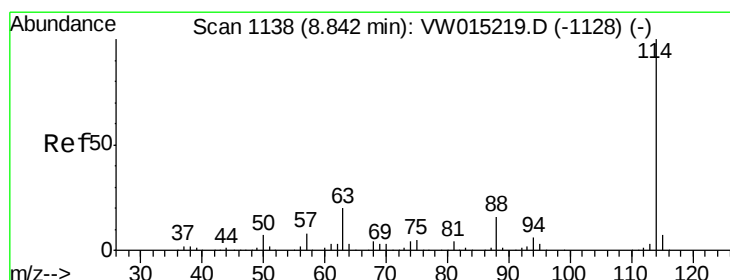
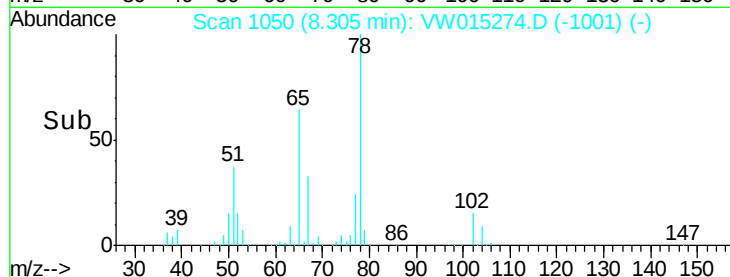
20000

10000

0

8.20 8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW015274.D

Acq: 21 Apr 2020 20:08

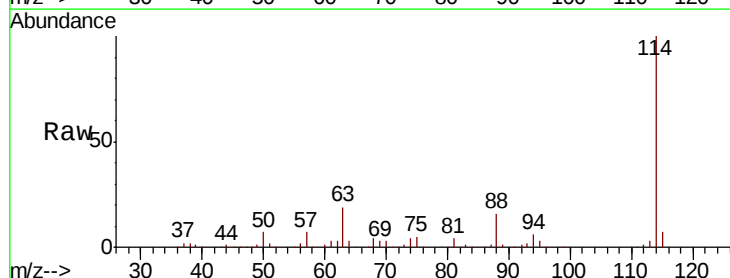
Tgt Ion: 114 Resp: 304125

Ion Ratio Lower Upper

114 100

63 18.7 0.0 39.8

88 15.6 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.84

200000

150000

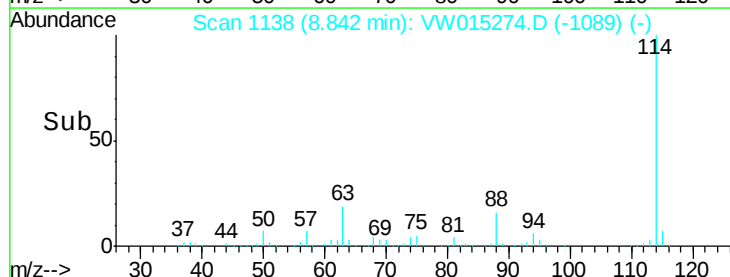
100000

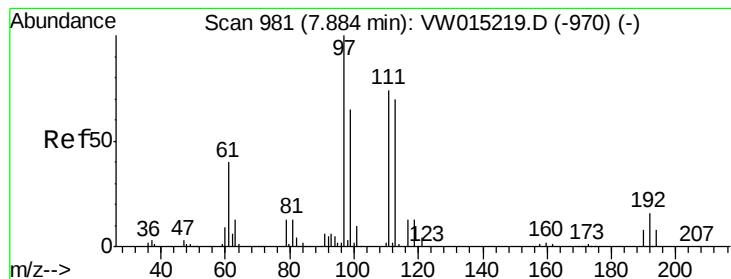
50000

0

8.70 8.80 8.90 9.00

Time-->





#35

Dibromofluoromethane

Concen: 56.152 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015274.D

Acq: 21 Apr 2020 20:08

Instrument :

MSVOA_W

ClientSampled :

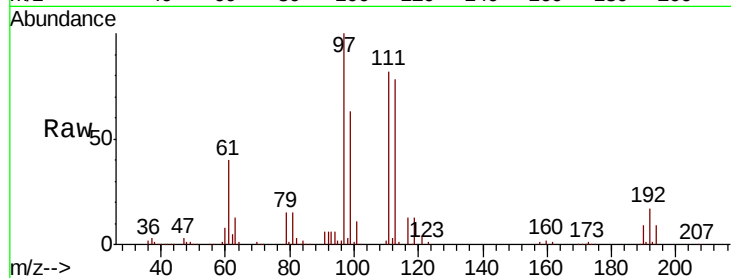
Tot Ion:113 Resp: 94594

Ion Ratio Lower Upper

113 100

111 101.8 83.0 124.4

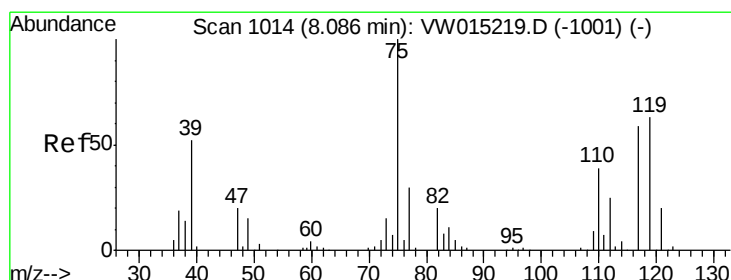
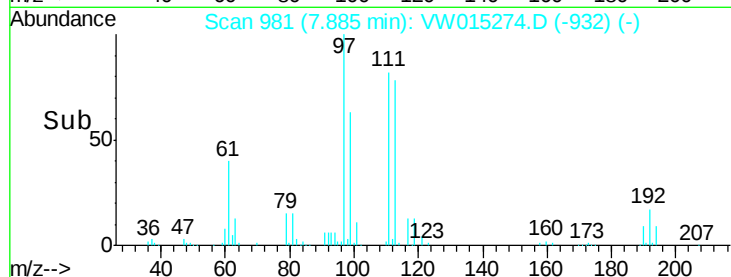
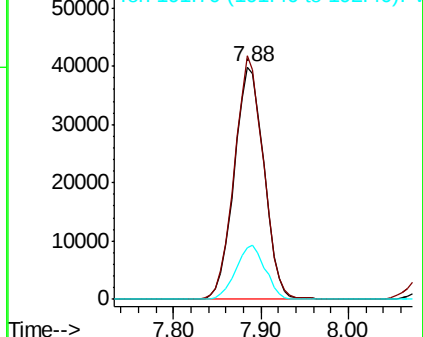
192 22.9 15.1 22.7#



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 46.837 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW015274.D

Acq: 21 Apr 2020 20:08

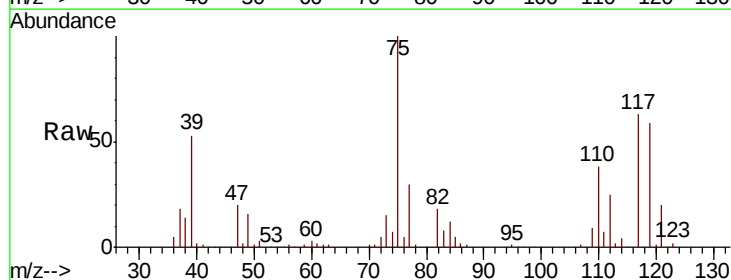
Tgt Ion: 75 Resp: 128563

Ion Ratio Lower Upper

75 100

110 37.8 18.2 54.6

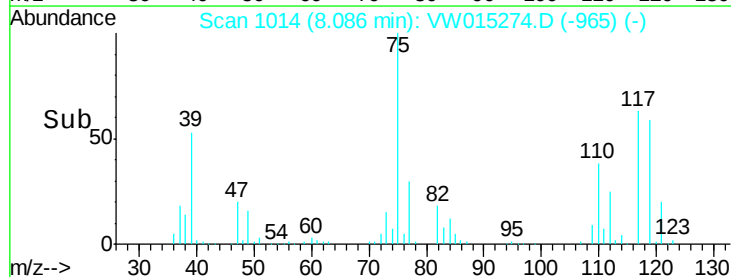
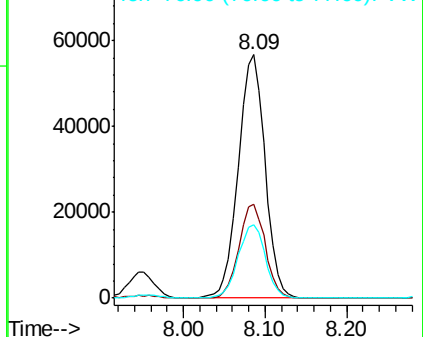
77 30.7 24.5 36.7

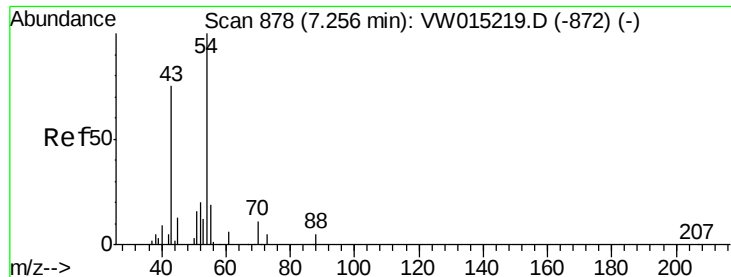


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

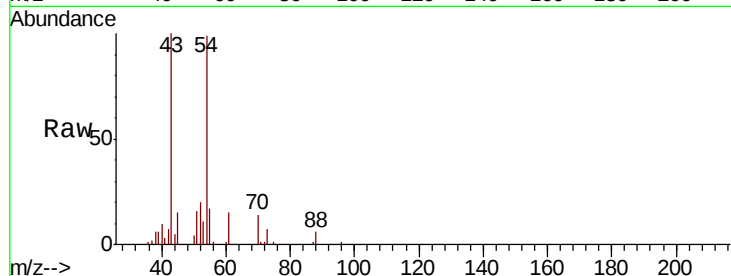




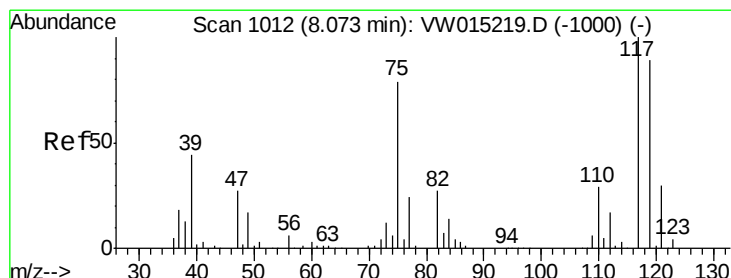
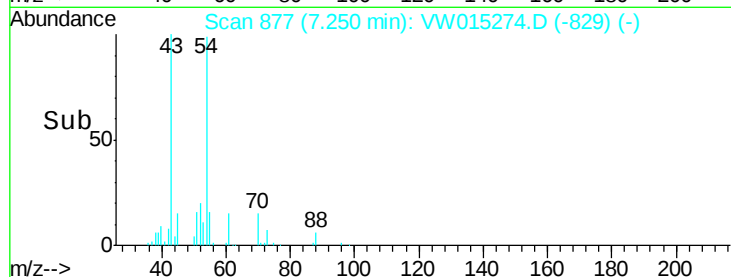
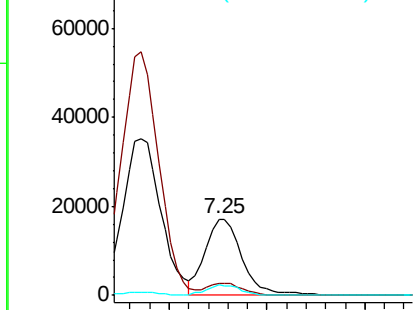
#37
Ethyl Acetate
Concen: 49.318 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW015274.D
Acq: 21 Apr 2020 20:08

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 43934
Ion Ratio Lower Upper
43 100
61 15.8 11.9 17.9
70 13.2 8.8 13.2#

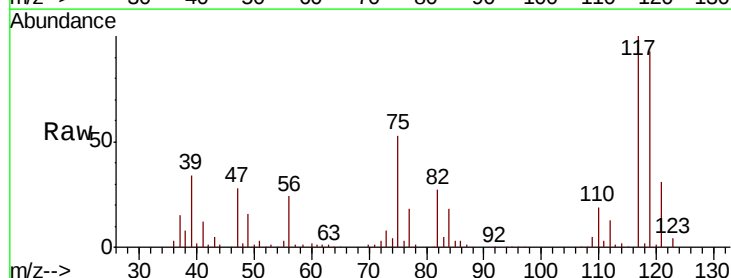


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

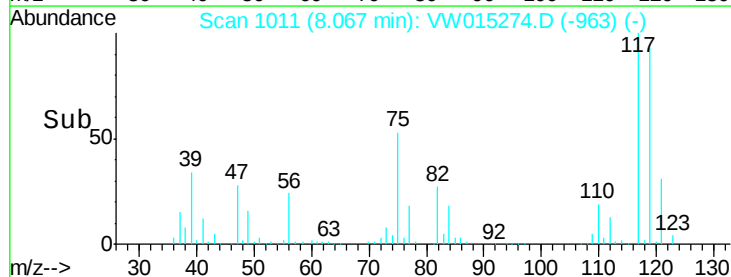
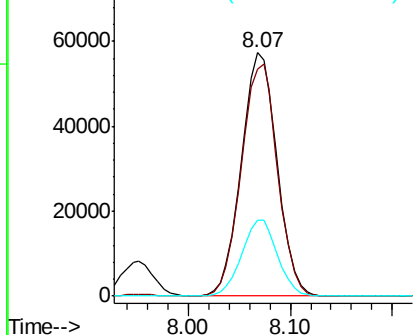


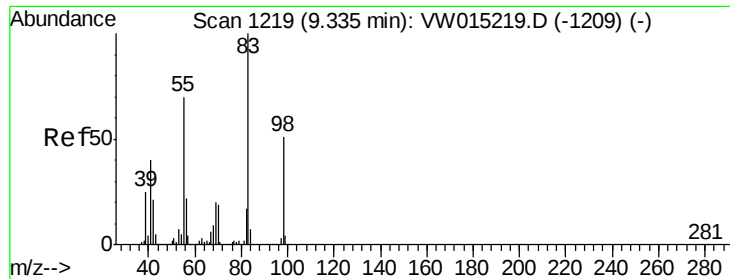
#38
Carbon Tetrachloride
Concen: 46.633 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW015274.D
Acq: 21 Apr 2020 20:08

Tgt Ion: 117 Resp: 139883
Ion Ratio Lower Upper
117 100
119 93.4 72.3 108.5
121 31.1 23.7 35.5



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

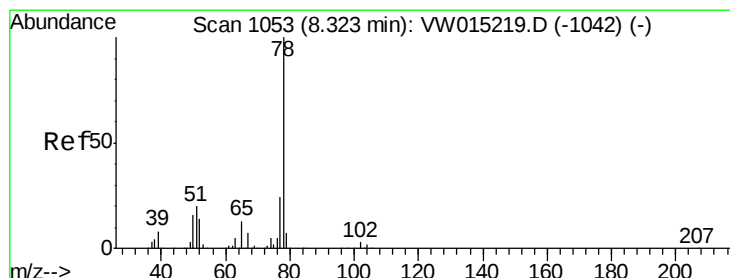
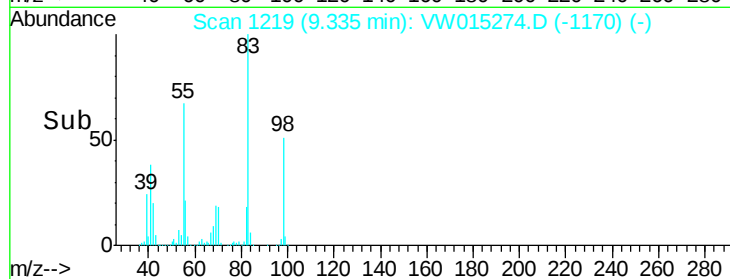
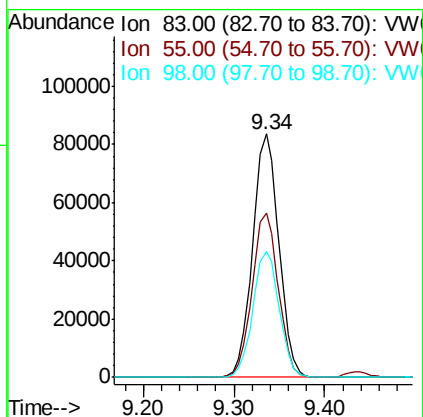
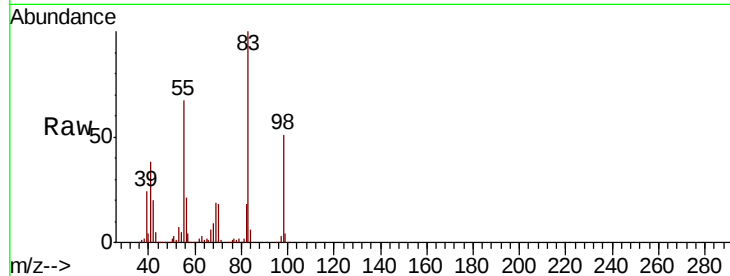




#39
Methvlcvclohexane
Concen: 45.738 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015274.D
Acq: 21 Apr 2020 20:08

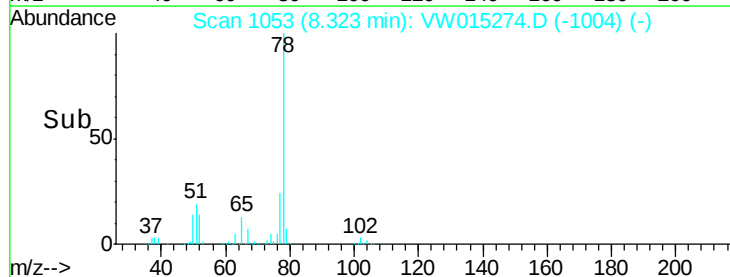
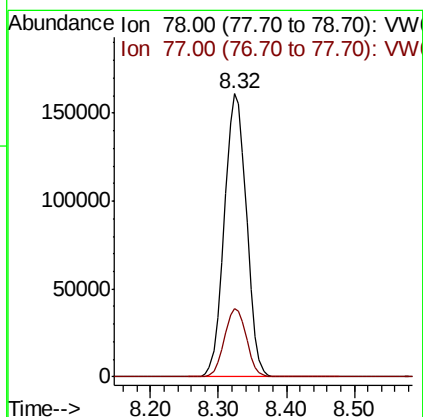
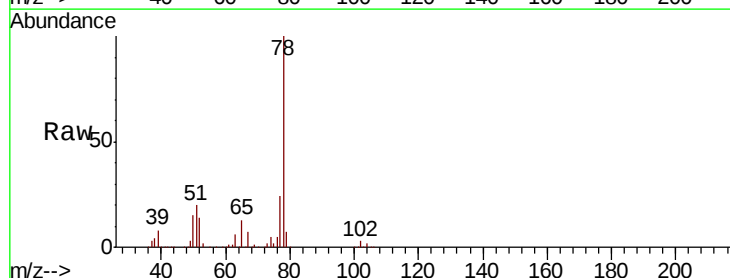
Instrument :
MSVOA_W
ClientSampled :

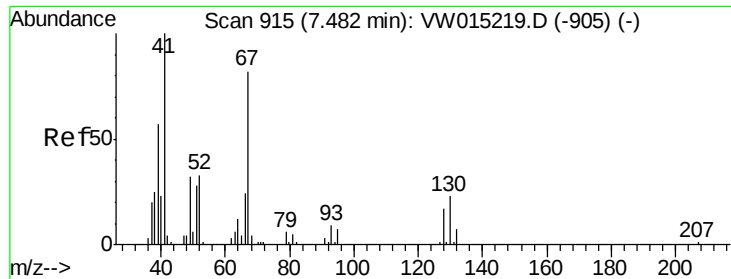
Tot Ion: 83 Resp: 167100
Ion Ratio Lower Upper
83 100
55 67.5 58.1 87.1
98 51.4 40.2 60.4



#40
Benzene
Concen: 49.413 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015274.D
Acq: 21 Apr 2020 20:08

Tgt Ion: 78 Resp: 362313
Ion Ratio Lower Upper
78 100
77 24.0 18.2 27.2

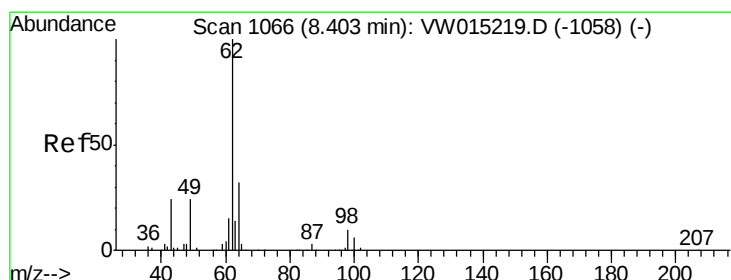
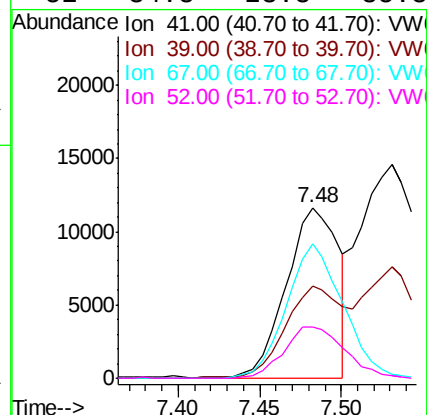
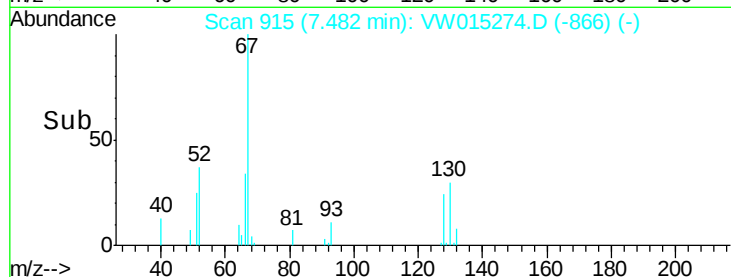
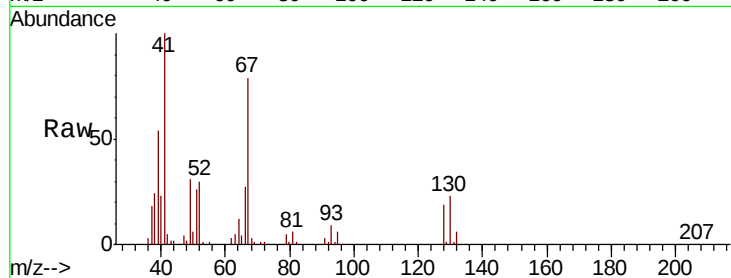




#41
Methacrylonitrile
Concen: 48.504 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW015274.D
Acq: 21 Apr 2020 20:08

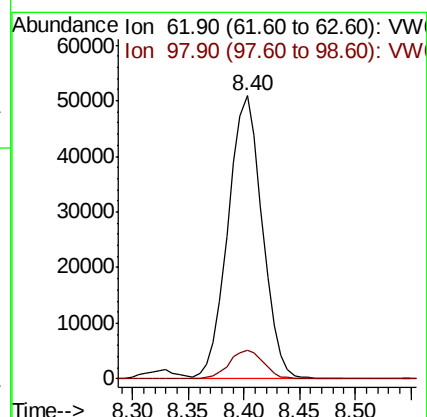
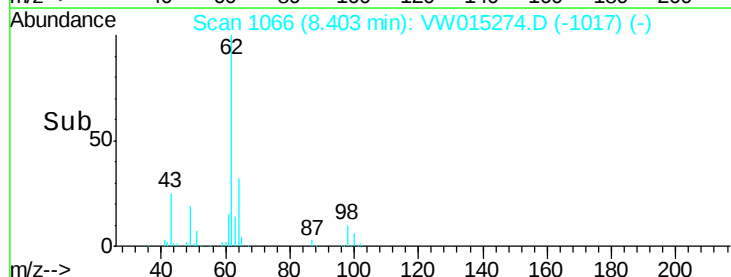
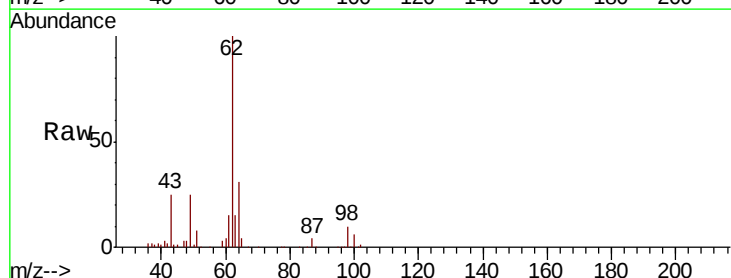
Instrument :
MSVOA_W
ClientSampled :

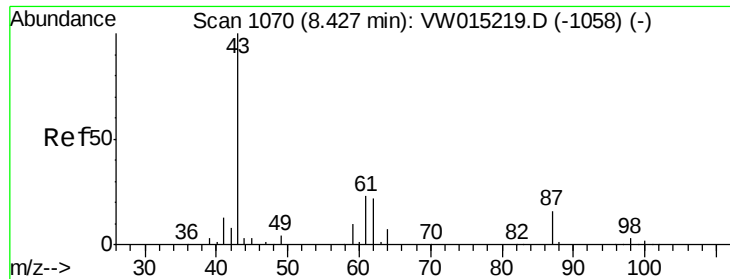
Tot Ion:	41	Resp:	25926
Ion	Ratio	Lower	Upper
41	100		
39	62.1	41.9	62.9
67	85.6	60.6	91.0
52	34.8	23.8	35.8



#42
1,2-Dichloroethane
Concen: 50.191 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015274.D
Acq: 21 Apr 2020 20:08

Tgt Ion:	62	Resp:	108341
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.4

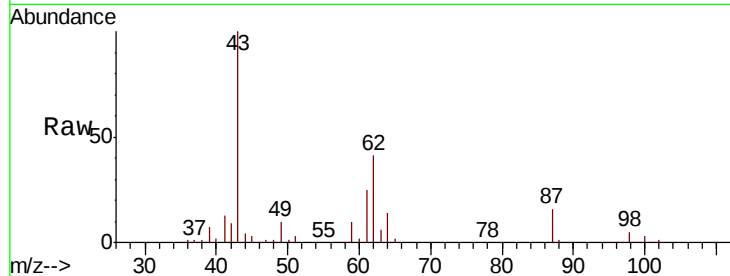




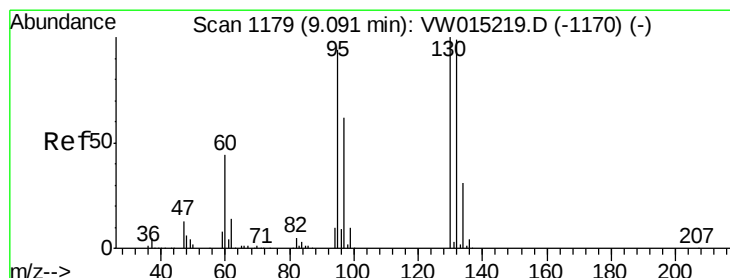
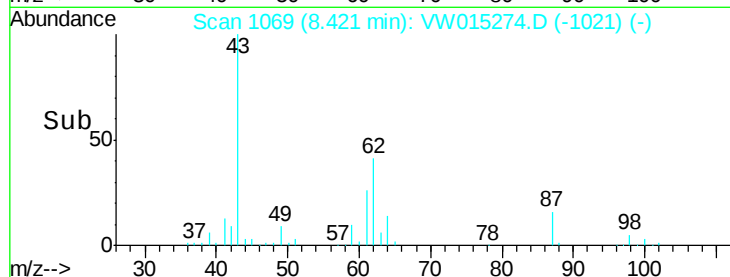
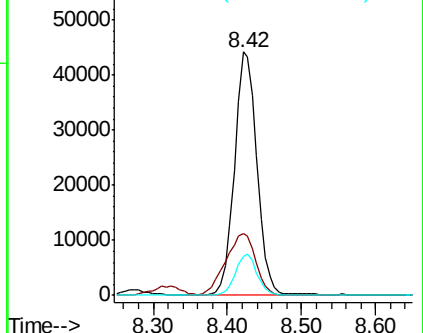
#43
Isopropyl Acetate
Concen: 49.885 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VW015274.D
Acq: 21 Apr 2020 20:08

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 93205
Ion Ratio Lower Upper
43 100
61 33.8 24.8 37.2
87 16.3 11.4 17.2

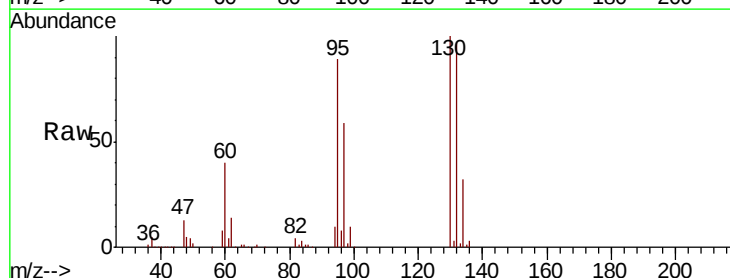


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW

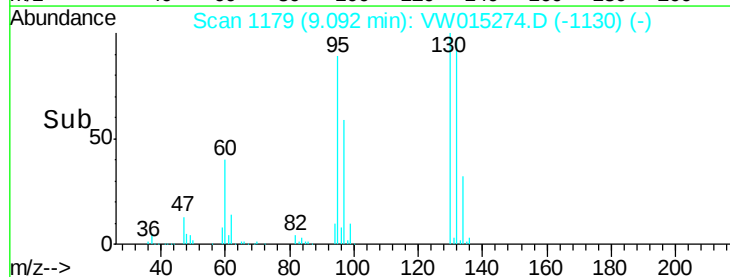
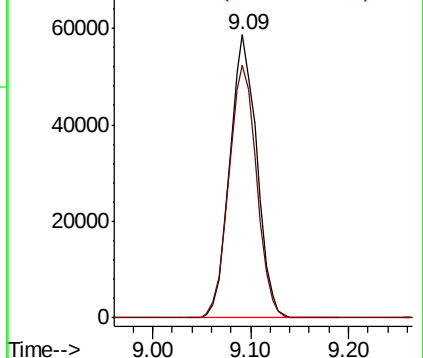


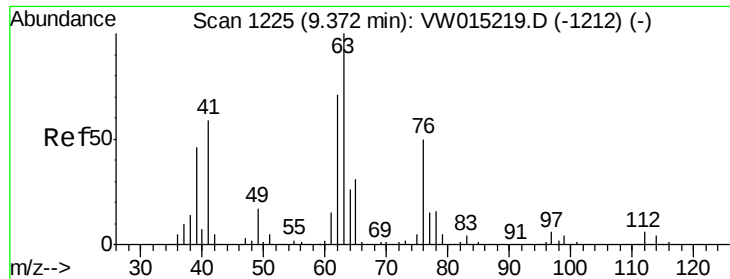
#44
Trichloroethene
Concen: 50.150 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW015274.D
Acq: 21 Apr 2020 20:08

Tgt Ion:130 Resp: 112478
Ion Ratio Lower Upper
130 100
95 89.2 0.0 196.4



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

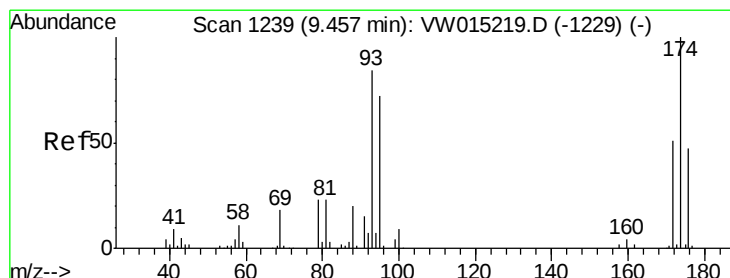
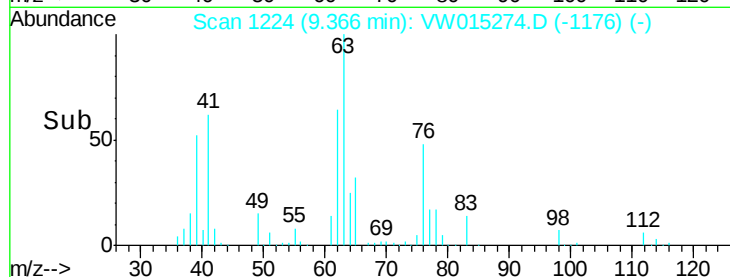
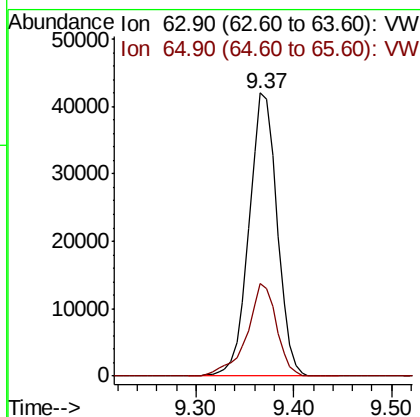
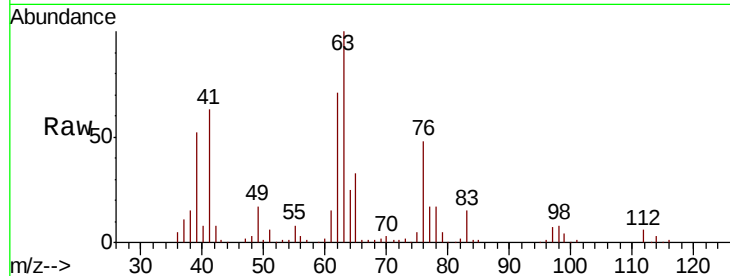




#45
 1,2-Dichloropropane
 Concen: 49.409 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW015274.D
 Acq: 21 Apr 2020 20:08

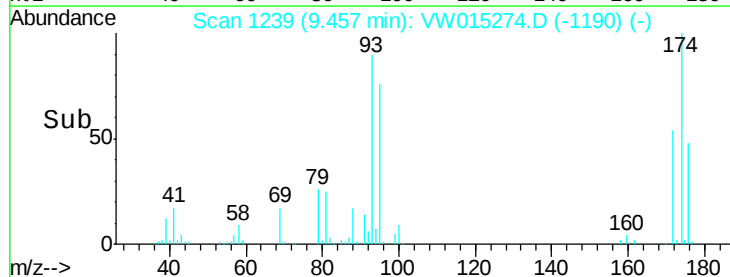
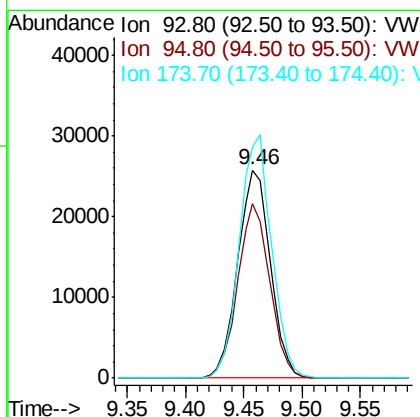
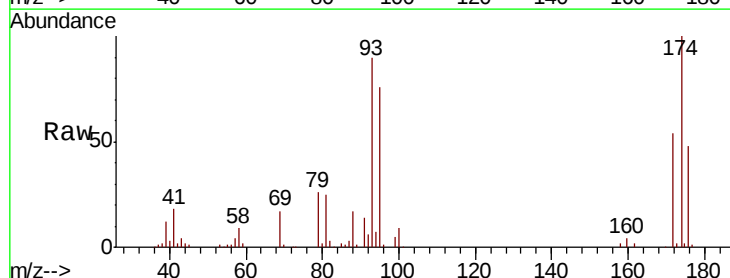
Instrument :
 MSVOA_W
 ClientSampled :

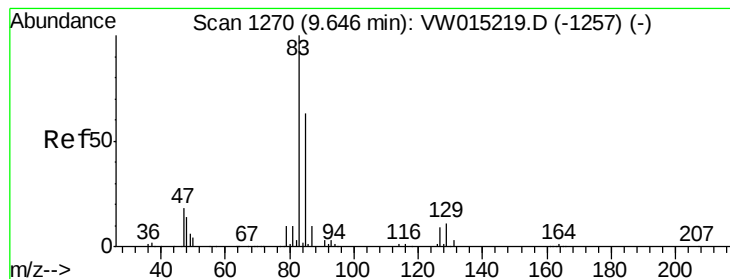
Tot Ion: 63 Resp: 84250
 Ion Ratio Lower Upper
 63 100
 65 32.7 25.5 38.3



#46
 Dibromomethane
 Concen: 51.294 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW015274.D
 Acq: 21 Apr 2020 20:08

Tgt Ion: 93 Resp: 50594
 Ion Ratio Lower Upper
 93 100
 95 82.1 67.5 101.3
 174 115.3 74.1 111.1#





#47

Bromodichloromethane

Concen: 49.487 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015274.D

Acq: 21 Apr 2020 20:08

Instrument :

MSVOA_W

ClientSampleId :

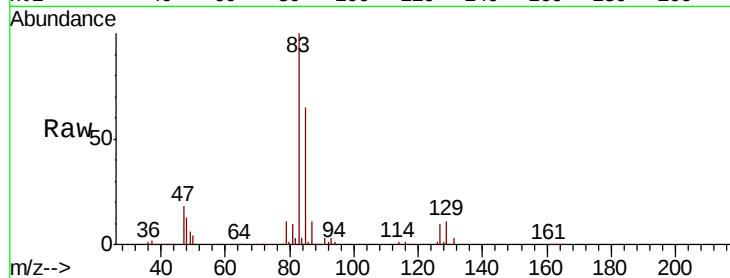
Tot Ion: 83 Resp: 130487

Ion Ratio Lower Upper

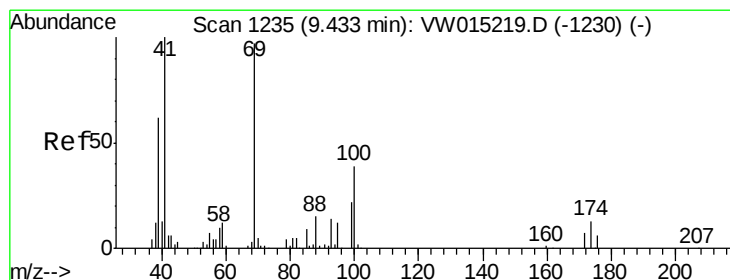
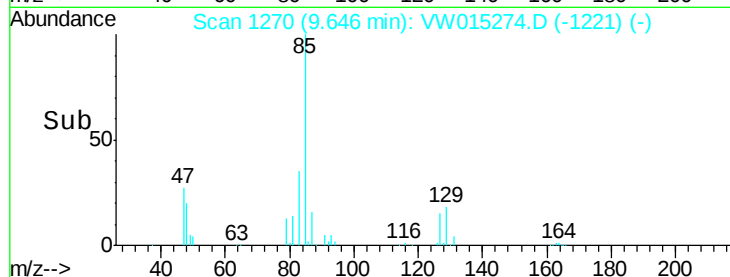
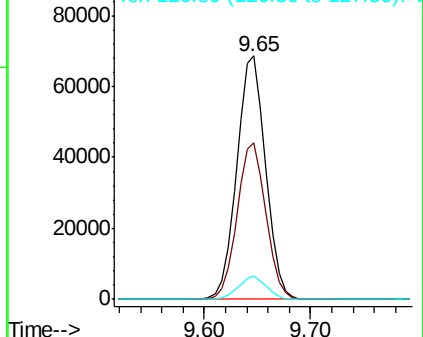
83 100

85 64.6 50.6 76.0

127 9.8 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): V



#48

Methyl methacrylate

Concen: 47.761 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW015274.D

Acq: 21 Apr 2020 20:08

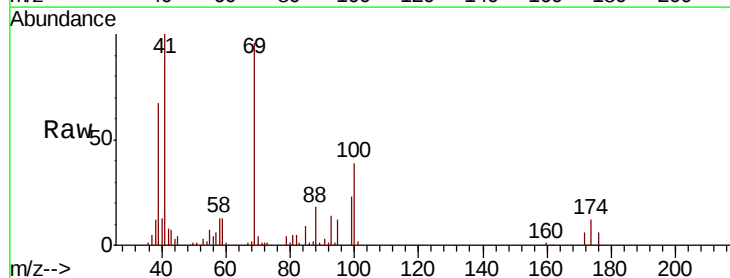
Tgt Ion: 41 Resp: 42185

Ion Ratio Lower Upper

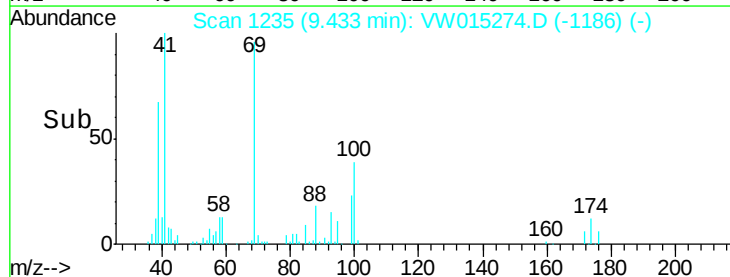
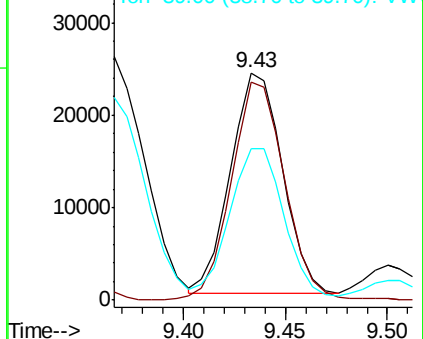
41 100

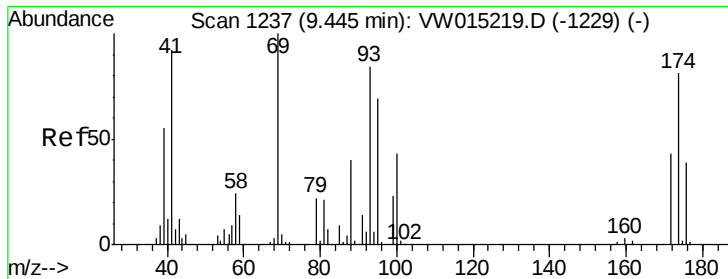
69 102.5 70.6 105.8

39 73.0 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

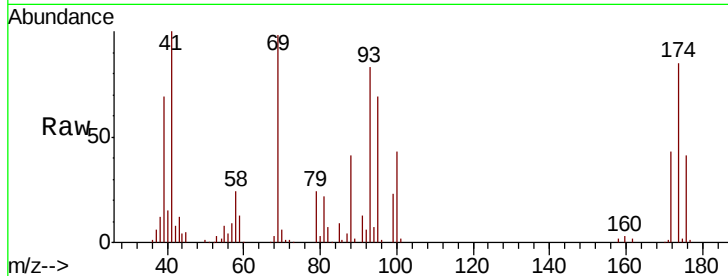




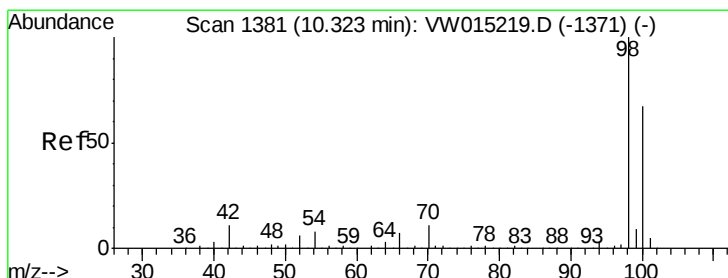
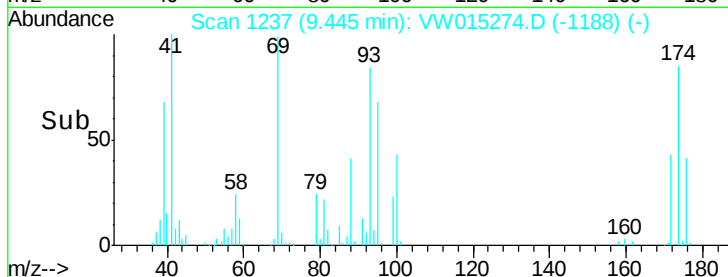
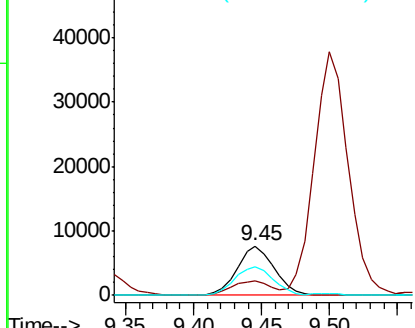
#49
 1,4-Dioxane
 Concen: 1113.970 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VW015274.D
 Acq: 21 Apr 2020 20:08

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 88 Resp: 14648
 Ion Ratio Lower Upper
 88 100
 43 29.0 23.5 35.3
 58 62.0 55.4 83.2

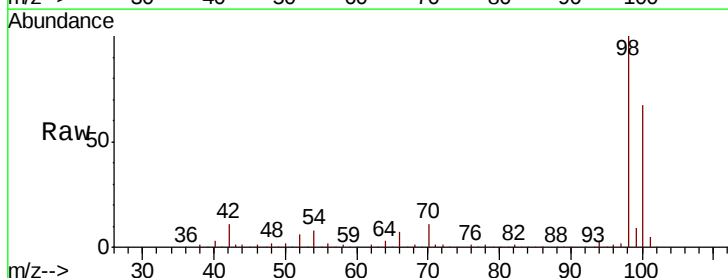


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

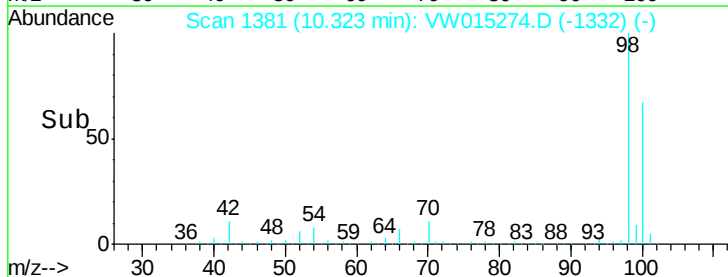
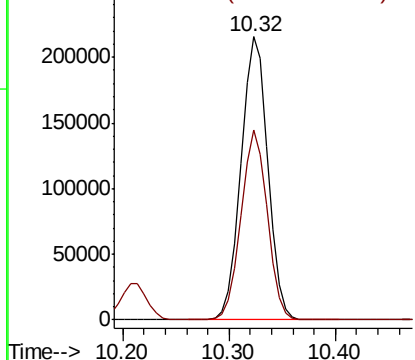


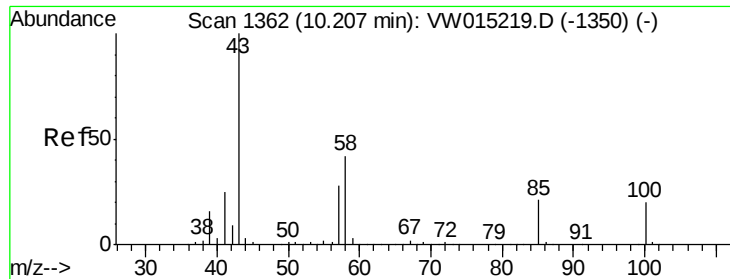
#50
 Toluene-d8
 Concen: 53.793 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW015274.D
 Acq: 21 Apr 2020 20:08

Tgt Ion: 98 Resp: 381213
 Ion Ratio Lower Upper
 98 100
 100 65.8 52.9 79.3



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





#51

4-Methyl-2-Pentanone

Concen: 262.737 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015274.D

Acq: 21 Apr 2020 20:08

Instrument :

MSVOA_W

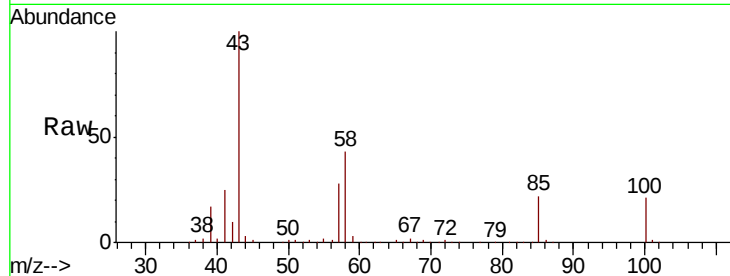
ClientSampled :

Tot Ion: 43 Resp: 230440

Ion Ratio Lower Upper

43 100

58 42.9 32.3 48.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

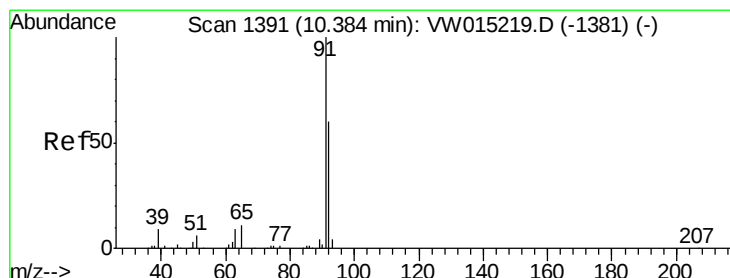
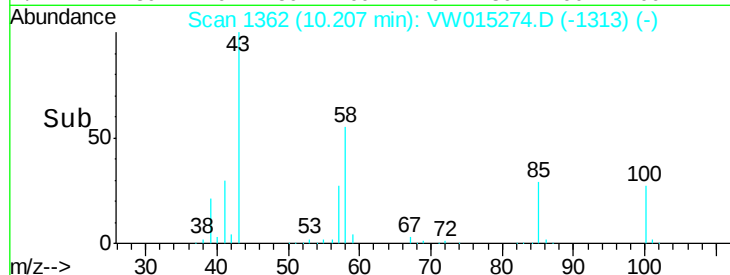
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 50.985 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW015274.D

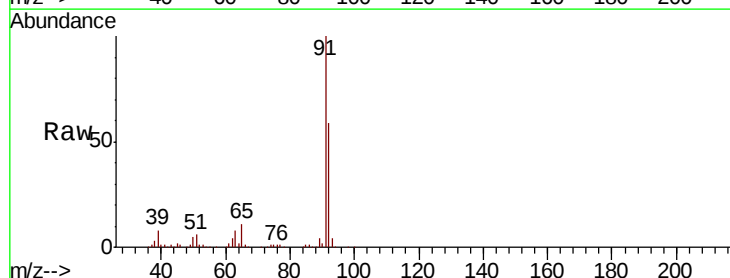
Acq: 21 Apr 2020 20:08

Tgt Ion: 92 Resp: 261639

Ion Ratio Lower Upper

92 100

91 168.3 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

250000

200000

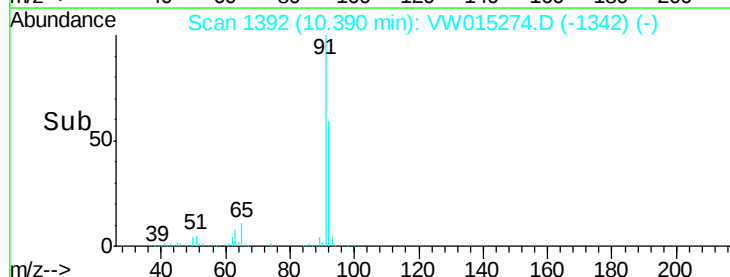
150000

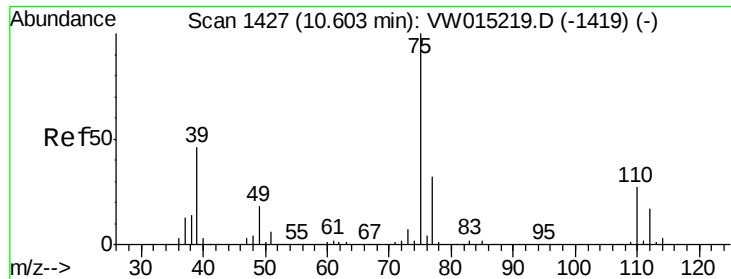
100000

50000

0

Time-->

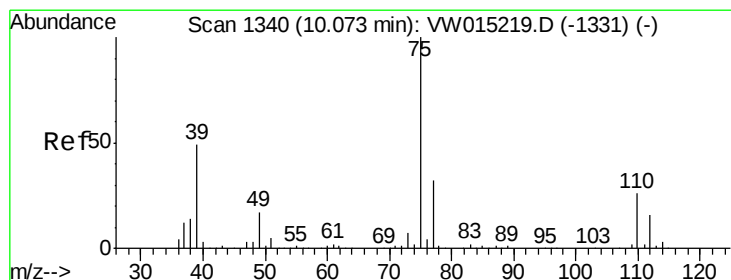
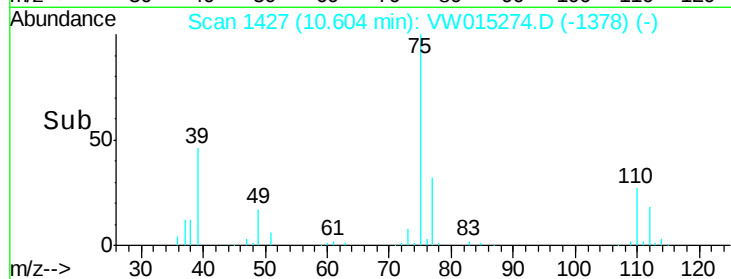
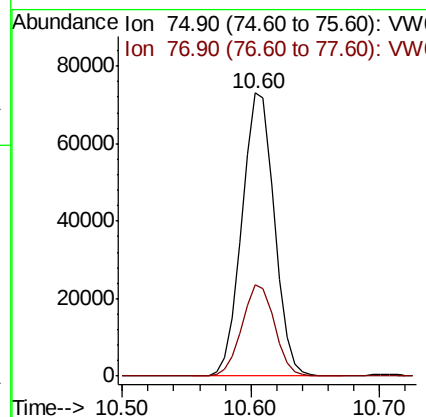
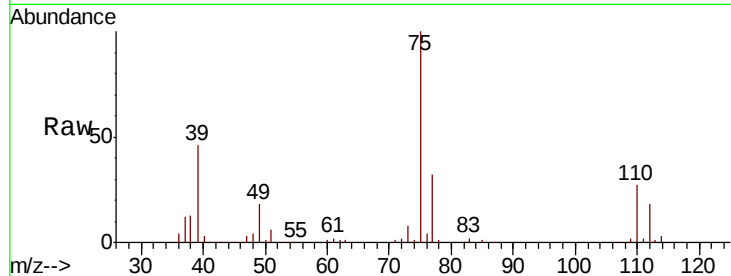




#53
 t-1,3-Dichloropropene
 Concen: 48.841 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW015274.D
 Acq: 21 Apr 2020 20:08

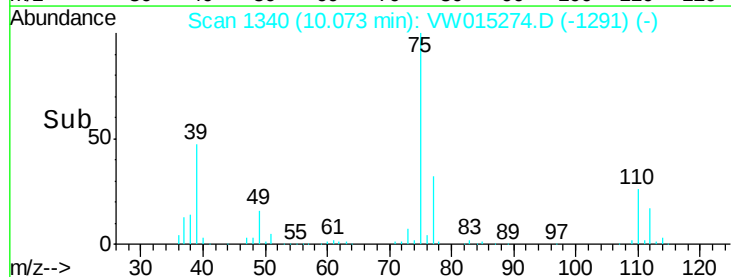
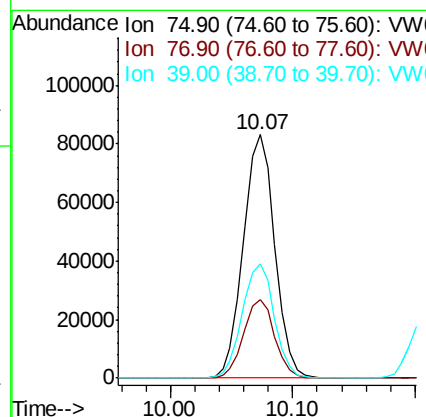
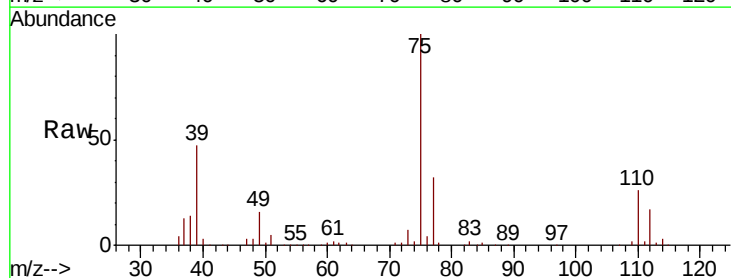
Instrument :
 MSVOA_W
 ClientSampleId :

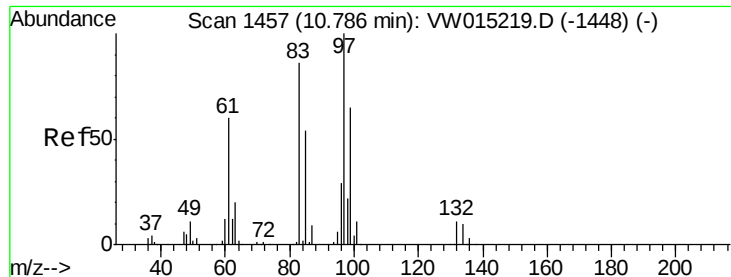
Tot Ion: 75 Resp: 126984
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.5 38.3



#54
 cis-1,3-Dichloropropene
 Concen: 48.995 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015274.D
 Acq: 21 Apr 2020 20:08

Tgt Ion: 75 Resp: 148064
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.6 39.8
 39 46.8 37.8 56.6

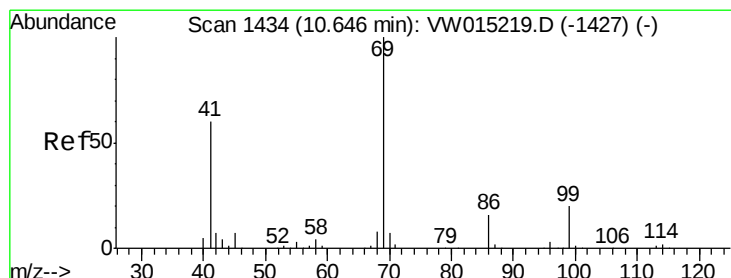
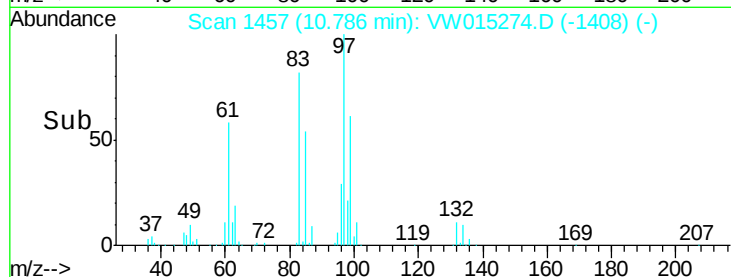
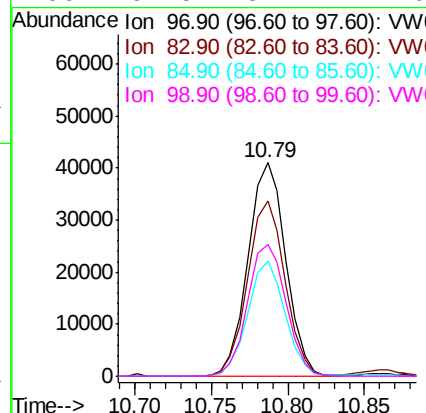
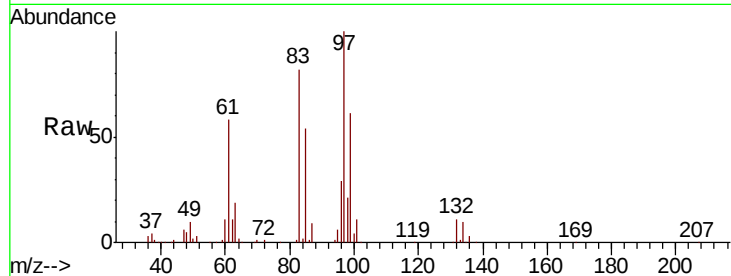




#55
 1,1,2-Trichloroethane
 Concen: 51.088 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015274.D
 Acq: 21 Apr 2020 20:08

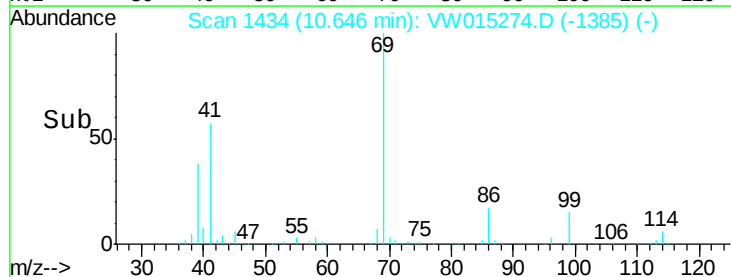
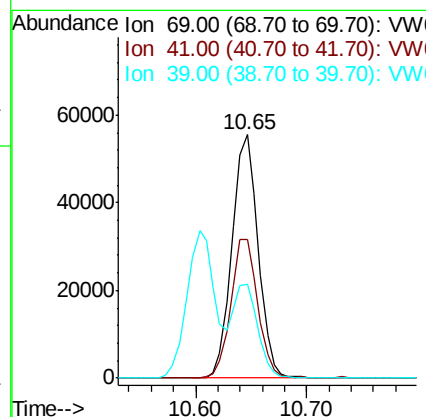
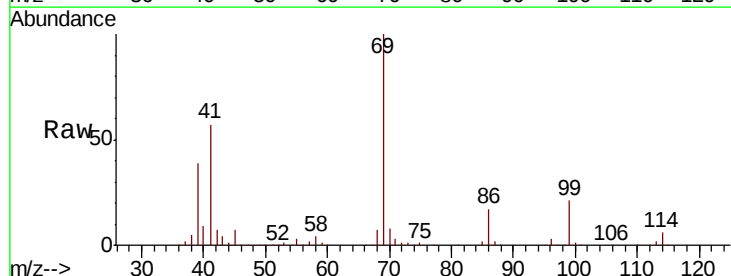
Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	70561
Ion	Ratio	Lower	Upper
97	100		
83	82.1	67.3	100.9
85	53.8	43.8	65.8
99	61.5	51.4	77.0



#56
 Ethyl methacrylate
 Concen: 50.814 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015274.D
 Acq: 21 Apr 2020 20:08

Tgt Ion:	69	Resp:	90413
Ion	Ratio	Lower	Upper
69	100		
41	57.5	51.3	76.9
39	35.6	24.6	37.0

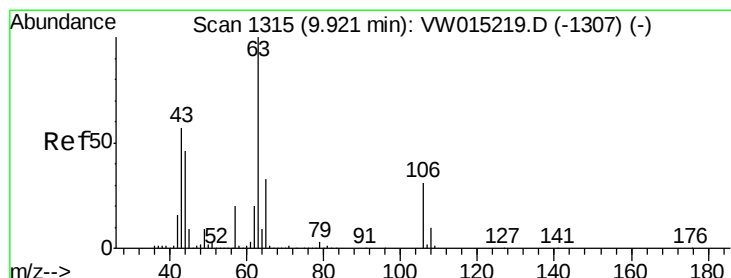
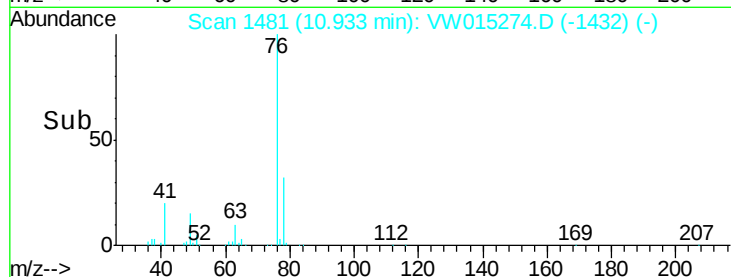
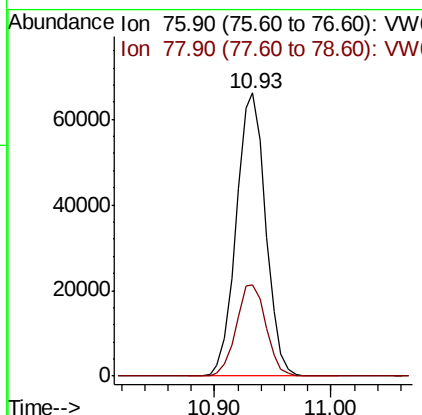
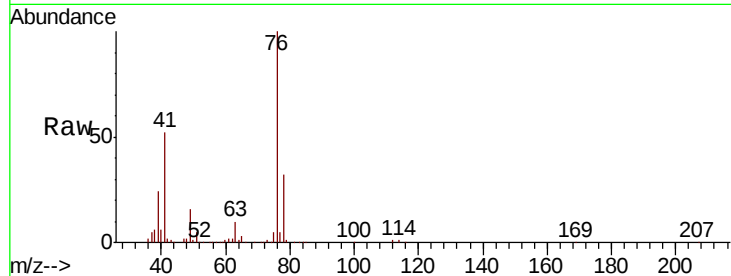




#57
 1,3-Dichloropropane
 Concen: 50.690 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015274.D
 Acq: 21 Apr 2020 20:08

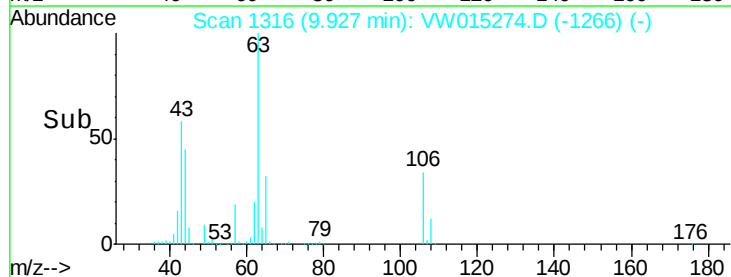
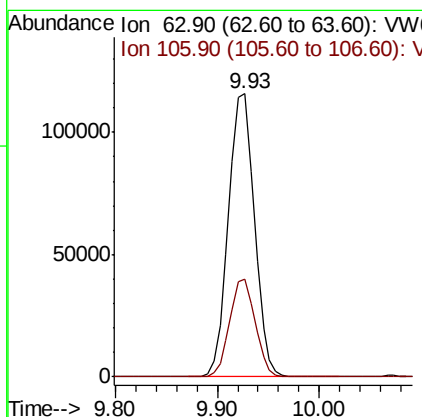
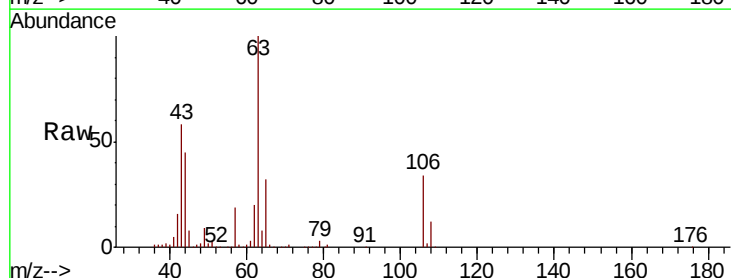
Instrument :
 MSVOA_W
 ClientSampleId :

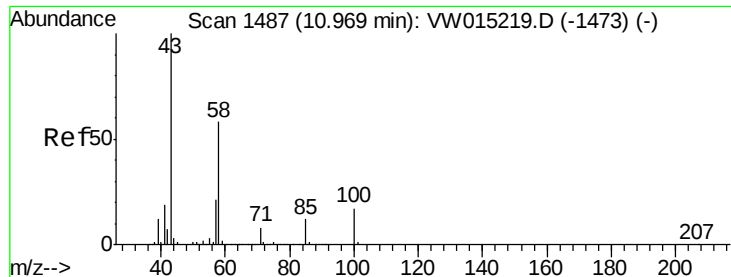
Tot Ion: 76 Resp: 115973
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 247.783 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW015274.D
 Acq: 21 Apr 2020 20:08

Tgt Ion: 63 Resp: 204399
 Ion Ratio Lower Upper
 63 100
 106 33.8 22.6 33.8

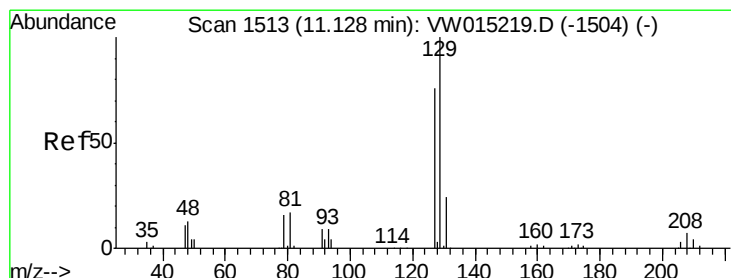
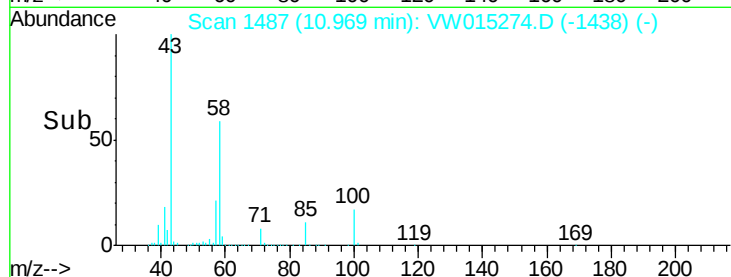
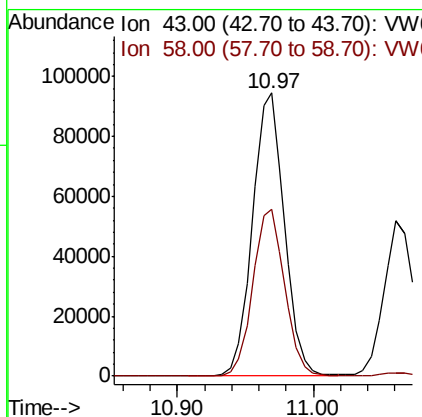
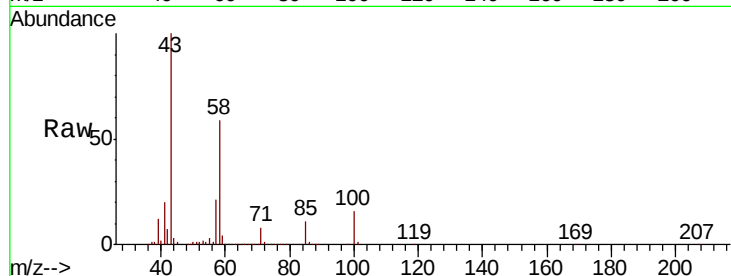




#59
2-Hexanone
Concen: 247.403 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015274.D
Acq: 21 Apr 2020 20:08

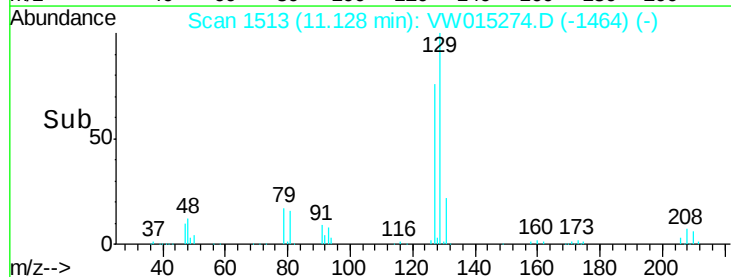
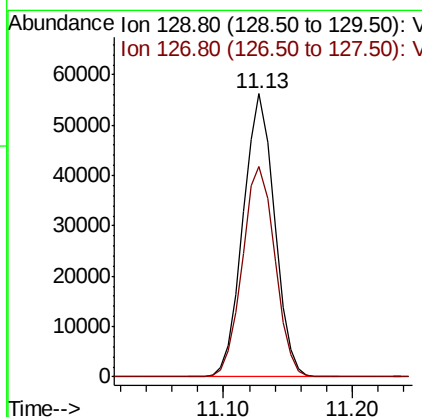
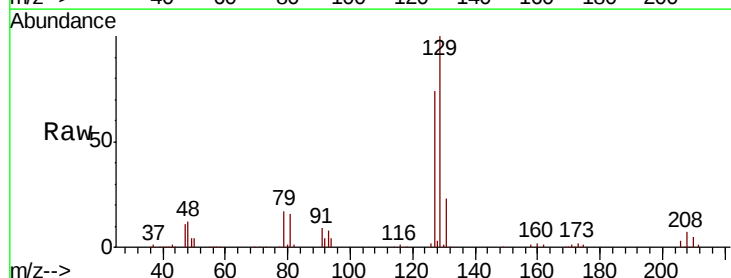
Instrument :
MSVOA_W
ClientSampleId :

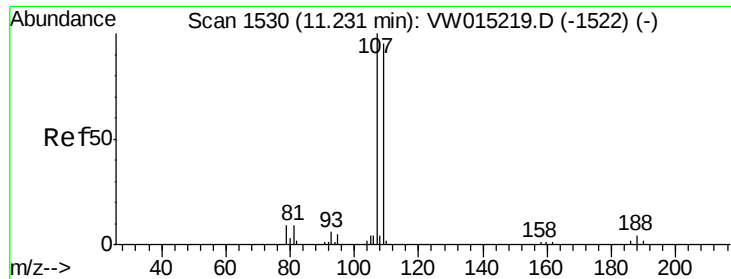
Tot Ion: 43 Resp: 154896
Ion Ratio Lower Upper
43 100
58 59.2 28.1 84.3



#60
Dibromochloromethane
Concen: 51.921 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015274.D
Acq: 21 Apr 2020 20:08

Tgt Ion: 129 Resp: 94685
Ion Ratio Lower Upper
129 100
127 77.0 38.3 114.8

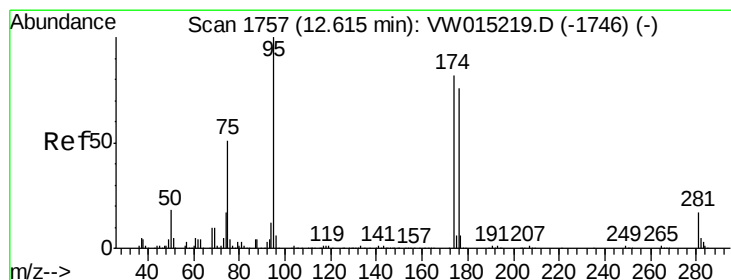
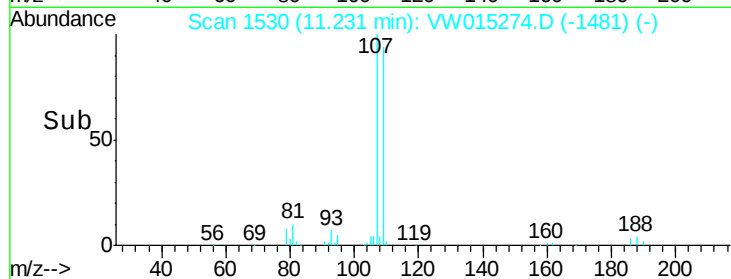
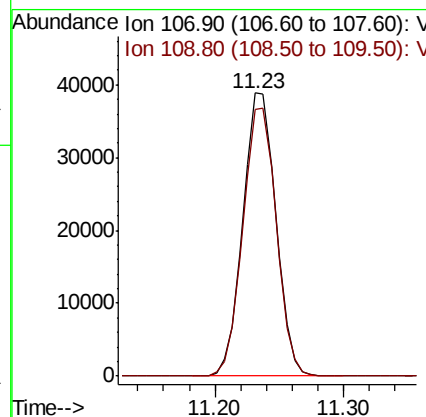
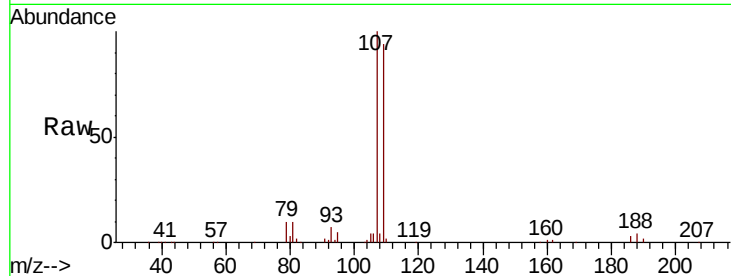




#61
 1,2-Dibromoethane
 Concen: 51.180 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW015274.D
 Acq: 21 Apr 2020 20:08

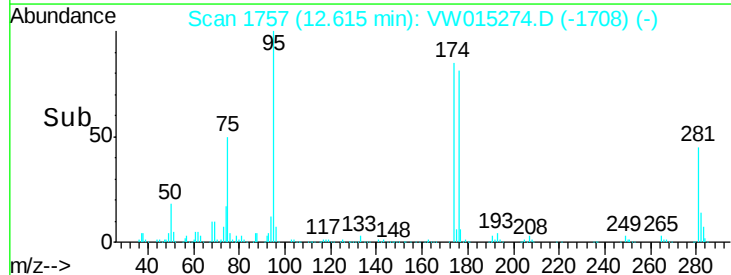
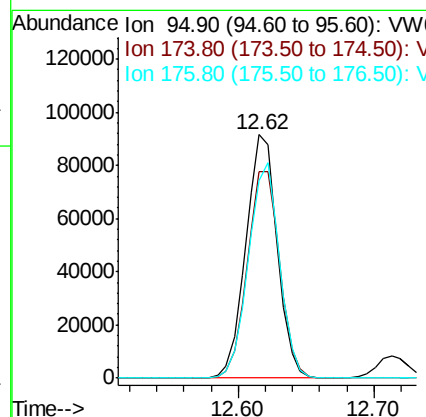
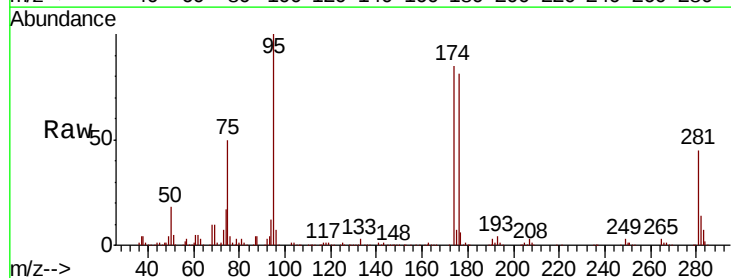
Instrument :
 MSVOA_W
 ClientSampleId :

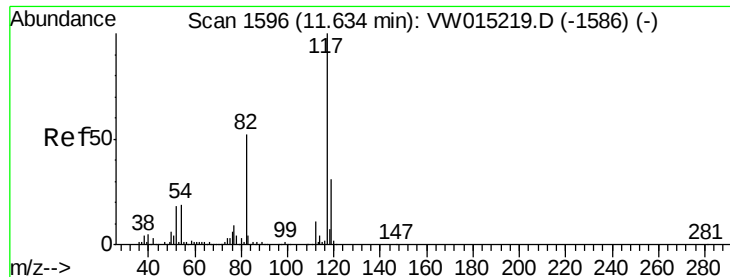
Tot Ion: 107 Resp: 68976
 Ion Ratio Lower Upper
 107 100
 109 95.8 74.3 111.5



#62
 4-Bromofluorobenzene
 Concen: 54.745 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW015274.D
 Acq: 21 Apr 2020 20:08

Tgt Ion: 95 Resp: 148023
 Ion Ratio Lower Upper
 95 100
 174 88.0 0.0 144.4
 176 87.6 0.0 140.6

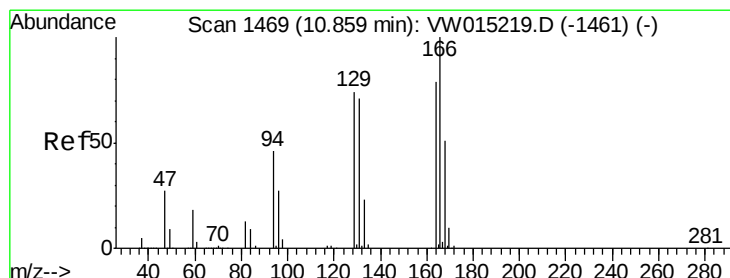
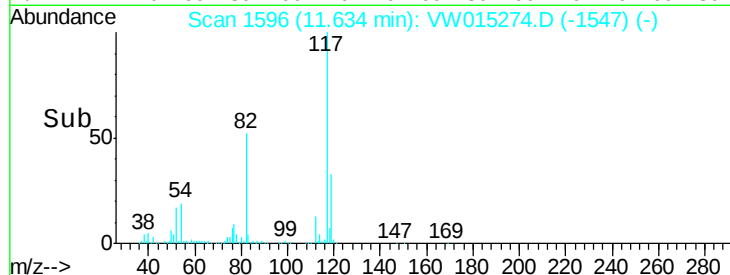
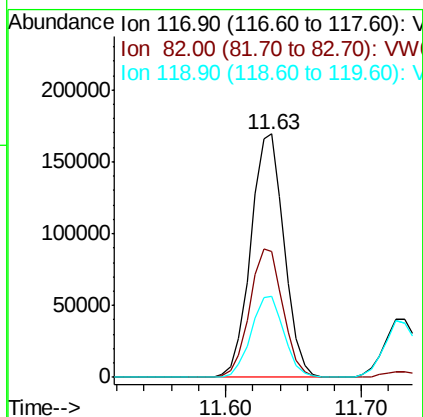
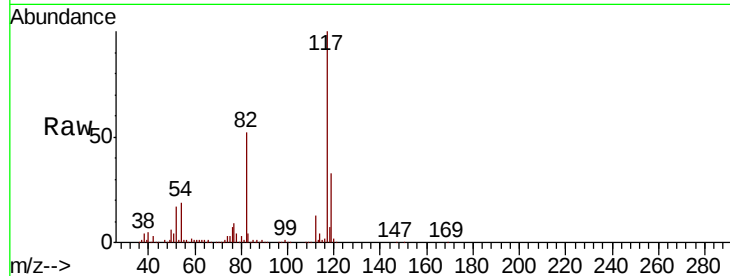




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015274.D
Acq: 21 Apr 2020 20:08

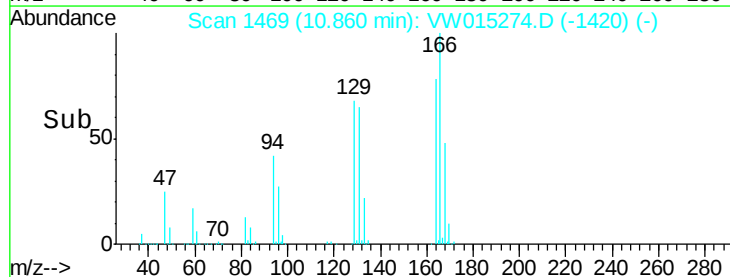
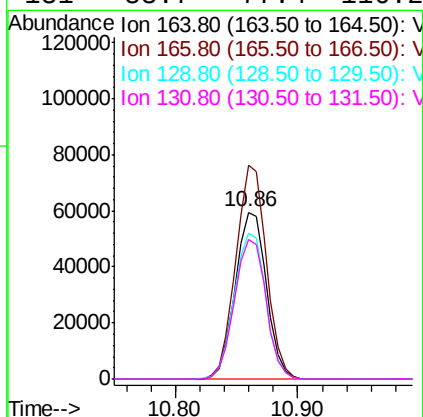
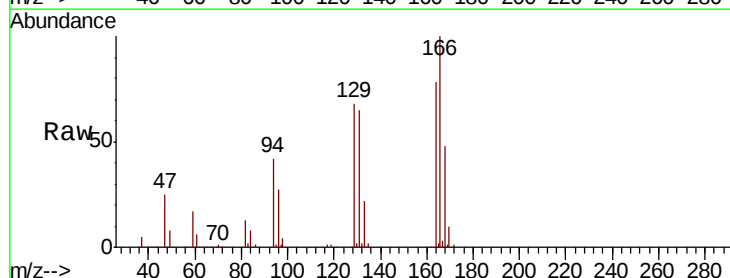
Instrument :
MSVOA_W
ClientSampled :

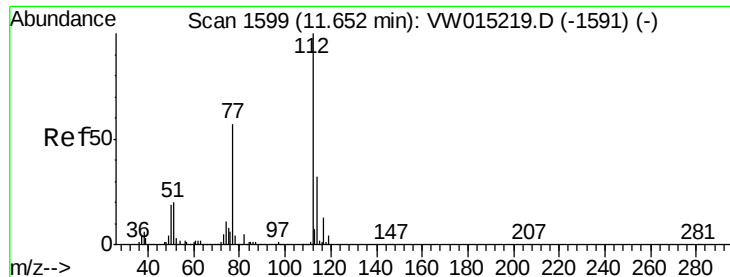
Tot Ion:117 Resp: 290751
Ion Ratio Lower Upper
117 100
82 51.5 44.1 66.1
119 32.9 24.9 37.3



#64
Tetrachloroethene
Concen: 50.536 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015274.D
Acq: 21 Apr 2020 20:08

Tgt Ion:164 Resp: 104868
Ion Ratio Lower Upper
164 100
166 127.9 102.6 154.0
129 87.6 80.2 120.2
131 83.7 77.4 116.2

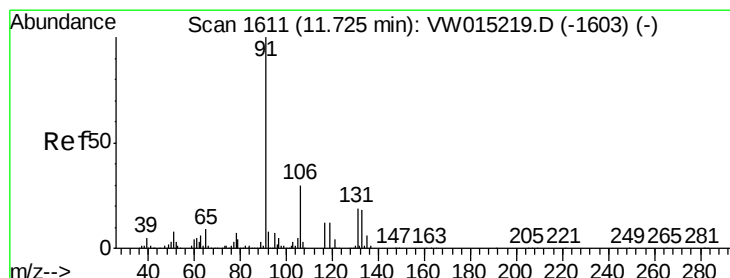
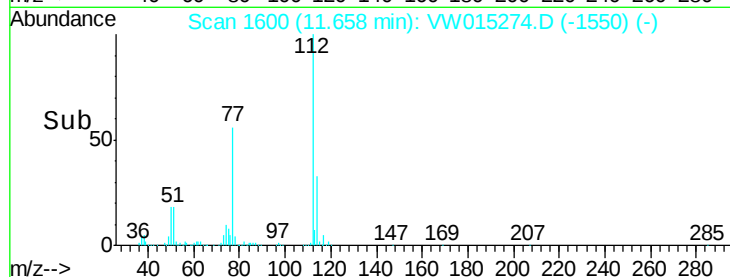
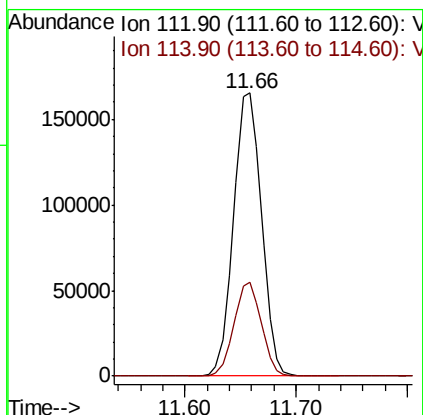
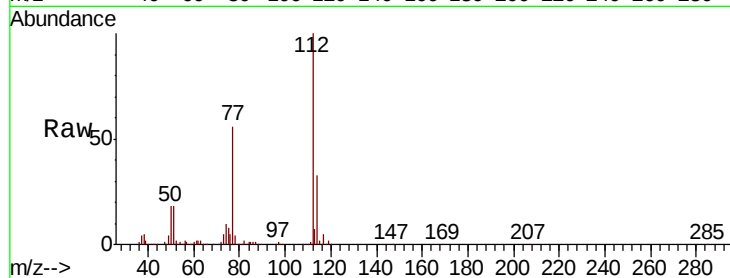




#65
Chlorobenzene
Concen: 50.451 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VW015274.D
Acq: 21 Apr 2020 20:08

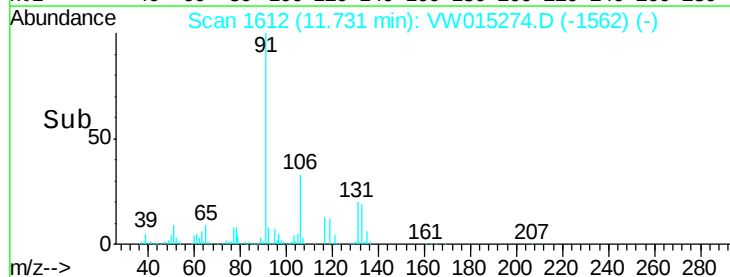
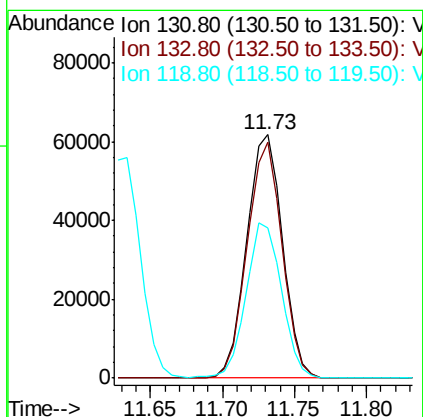
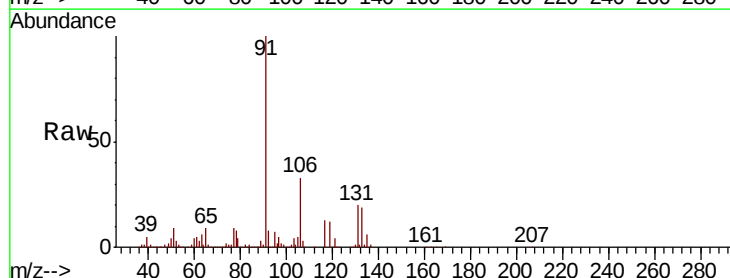
Instrument :
MSVOA_W
ClientSampleId :

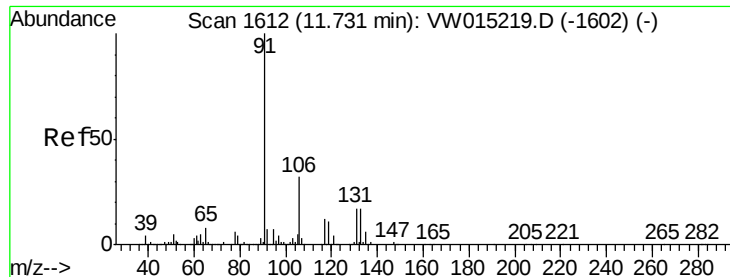
Tot Ion:112 Resp: 287839
Ion Ratio Lower Upper
112 100
114 33.0 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 51.535 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.01 min
Lab File: VW015274.D
Acq: 21 Apr 2020 20:08

Tgt Ion:131 Resp: 105677
Ion Ratio Lower Upper
131 100
133 94.4 47.7 143.1
119 63.6 34.0 101.8

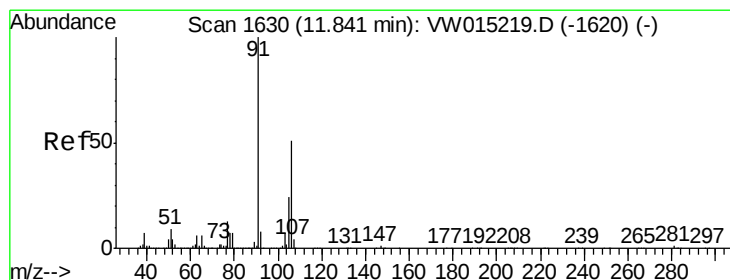
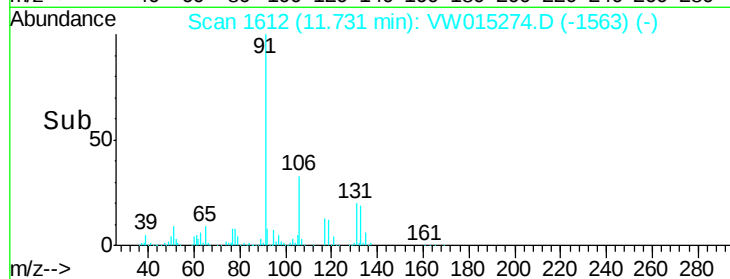
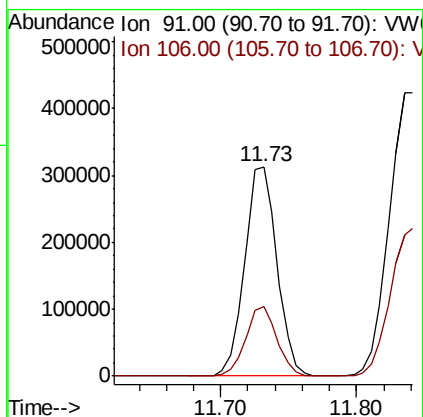
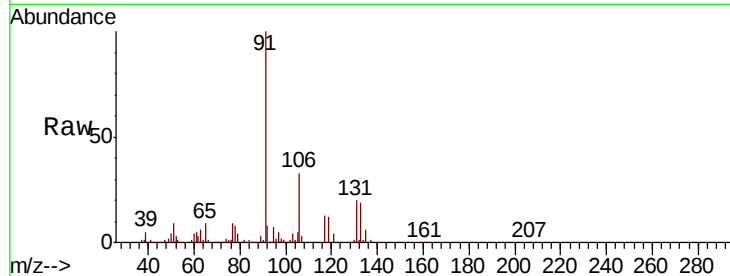




#67
Ethyl Benzene
Concen: 48.872 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015274.D
Acq: 21 Apr 2020 20:08

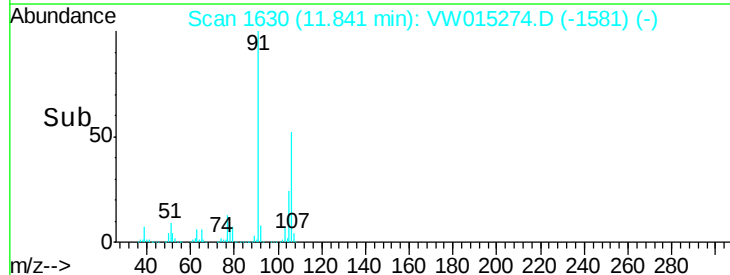
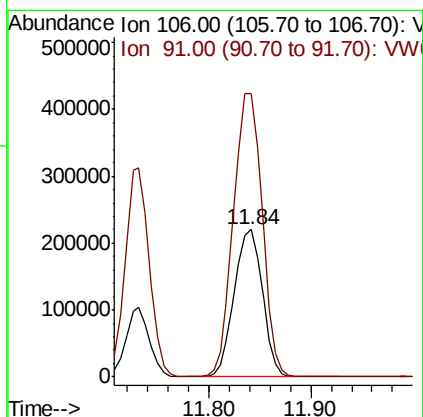
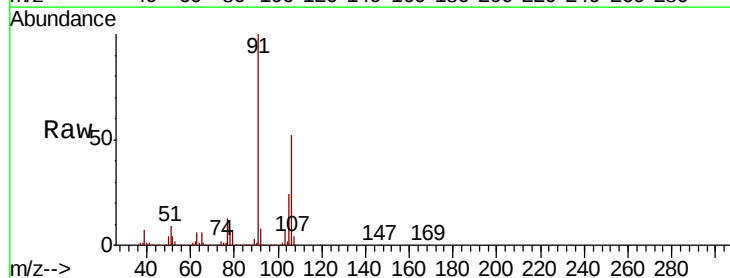
Instrument :
MSVOA_W
ClientSampled :

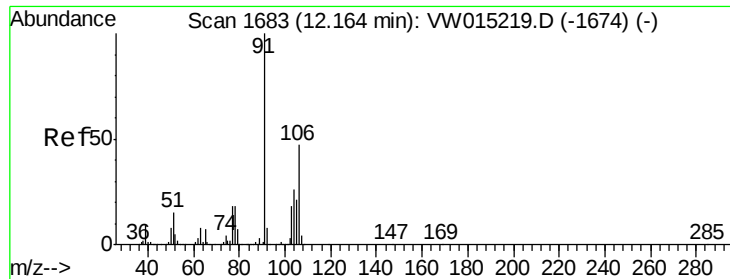
Tot Ion: 91 Resp: 519991
Ion Ratio Lower Upper
91 100
106 33.1 25.7 38.5



#68
m/p-Xylenes
Concen: 101.007 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015274.D
Acq: 21 Apr 2020 20:08

Tgt Ion: 106 Resp: 421251
Ion Ratio Lower Upper
106 100
91 196.5 160.0 240.0

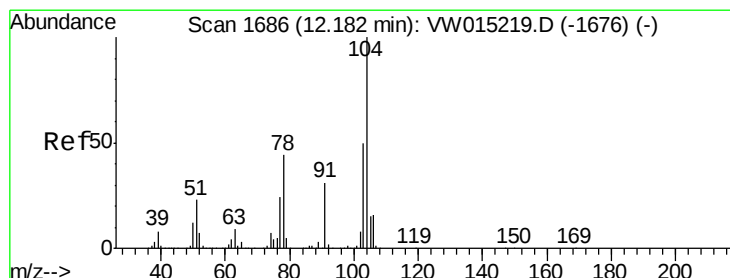
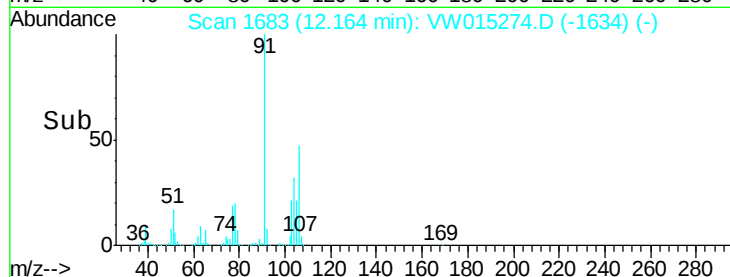
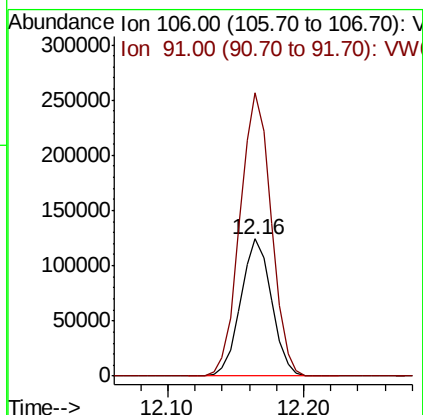
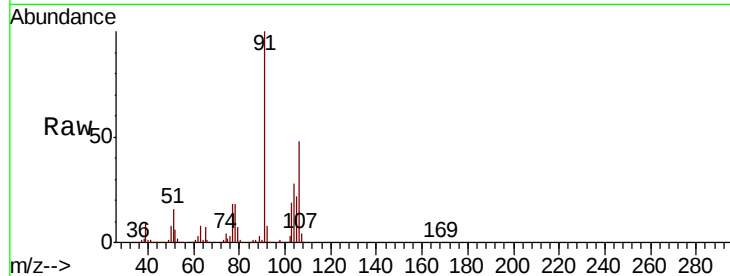




#69
o-Xylene
Concen: 50.778 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015274.D
Acq: 21 Apr 2020 20:08

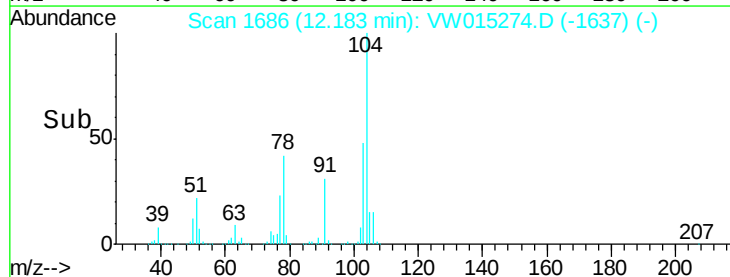
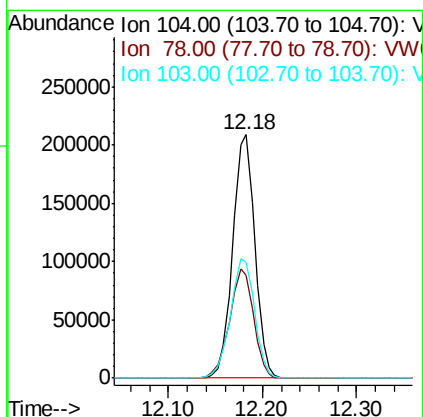
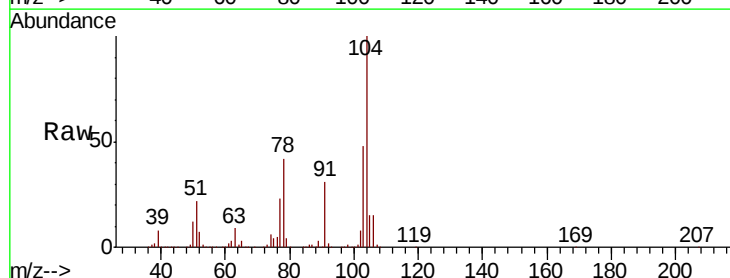
Instrument :
MSVOA_W
ClientSampleId :

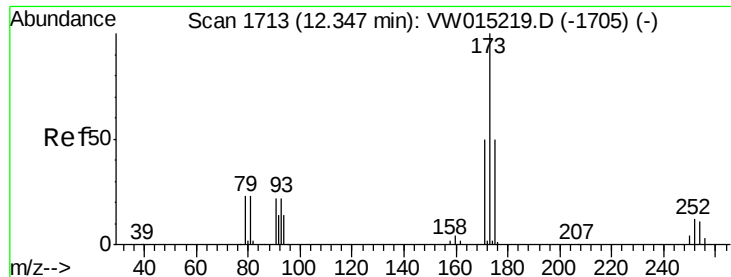
Tot Ion:106 Resp: 197666
Ion Ratio Lower Upper
106 100
91 208.7 105.7 317.1



#70
Styrene
Concen: 51.397 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015274.D
Acq: 21 Apr 2020 20:08

Tgt Ion:104 Resp: 341048
Ion Ratio Lower Upper
104 100
78 48.7 39.8 59.6
103 53.6 43.8 65.6





#71

Bromoform

Concen: 53.035 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015274.D

Acq: 21 Apr 2020 20:08

Instrument :

MSVOA_W

ClientSampleId :

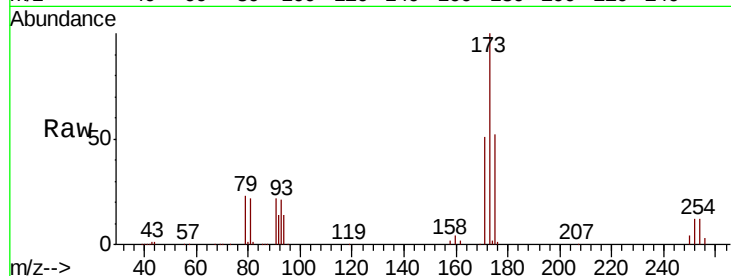
Tot Ion:173 Resp: 61277

Ion Ratio Lower Upper

173 100

175 48.7 25.1 75.4

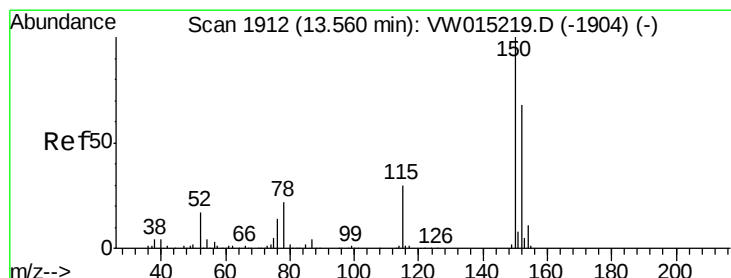
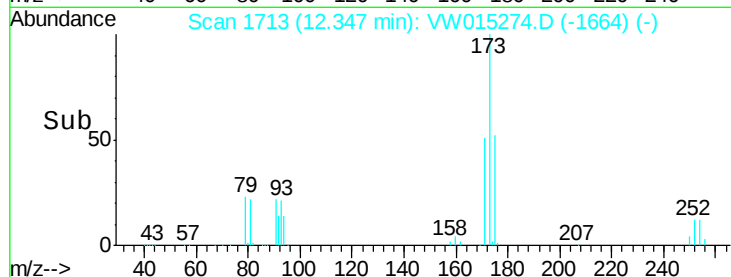
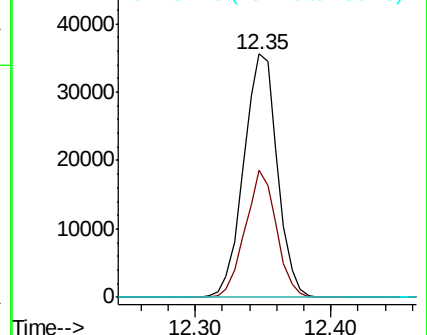
254 0.1 0.1 0.1#



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: VW015274.D

Acq: 21 Apr 2020 20:08

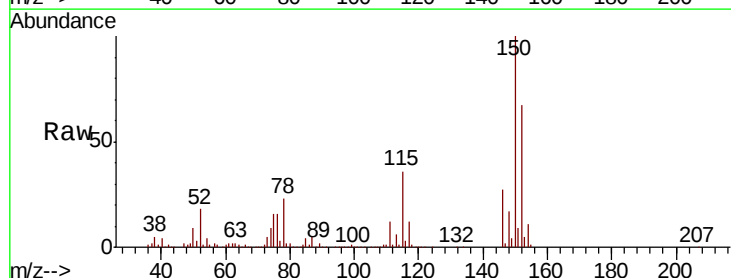
Tgt Ion:152 Resp: 164455

Ion Ratio Lower Upper

152 100

115 56.6 31.3 93.9

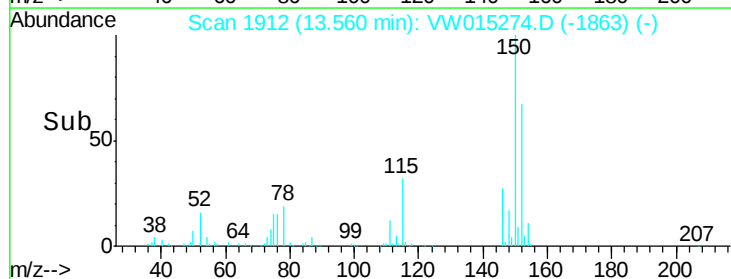
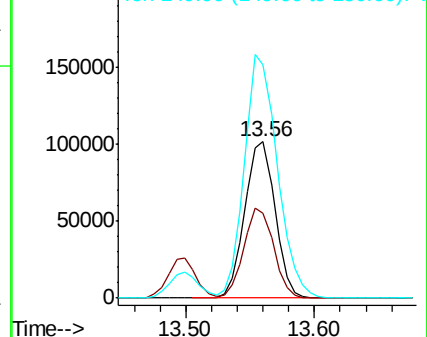
150 169.7 0.0 343.4

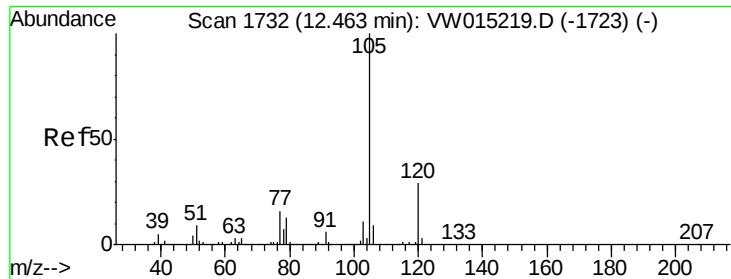


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.865 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015274.D

Acq: 21 Apr 2020 20:08

Instrument :

MSVOA_W

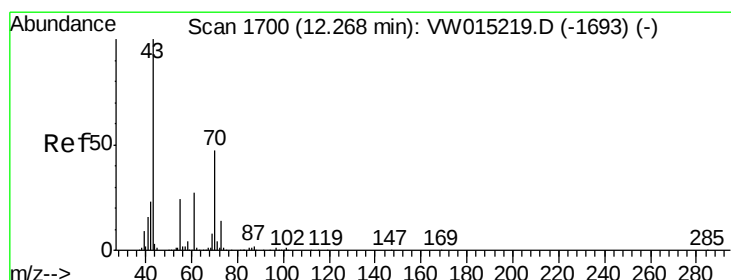
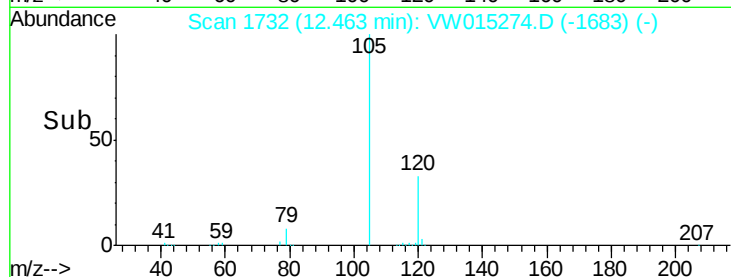
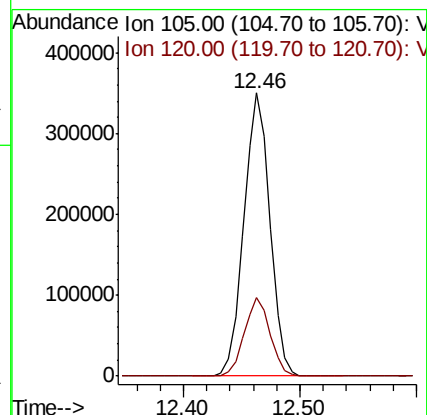
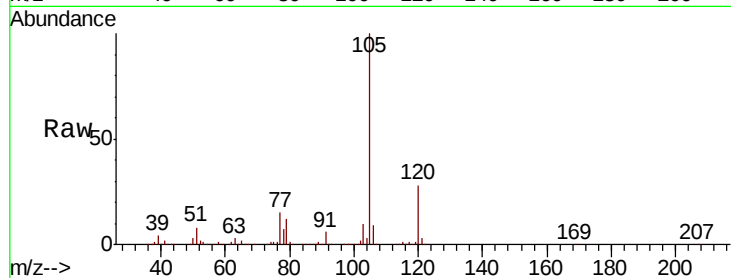
ClientSampleId :

Tot Ion:105 Resp: 545777

Ion Ratio Lower Upper

105 100

120 27.4 13.7 41.1



#74

N-ethyl acetate

Concen: 48.018 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW015274.D

Acq: 21 Apr 2020 20:08

Tgt Ion: 43 Resp: 95254

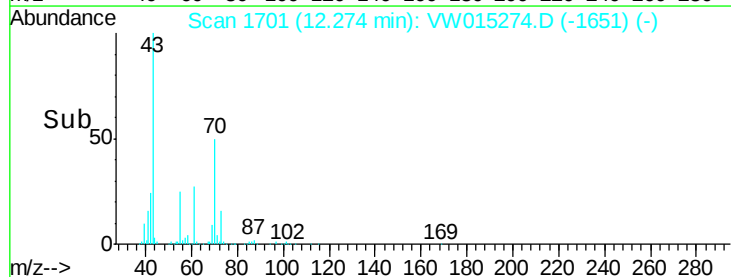
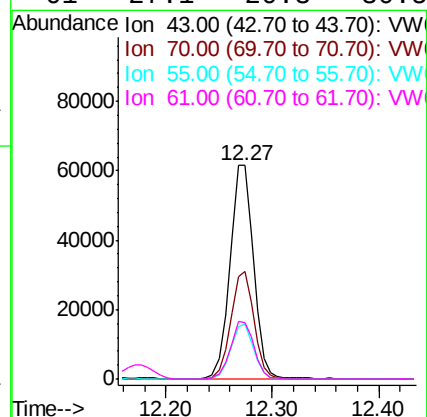
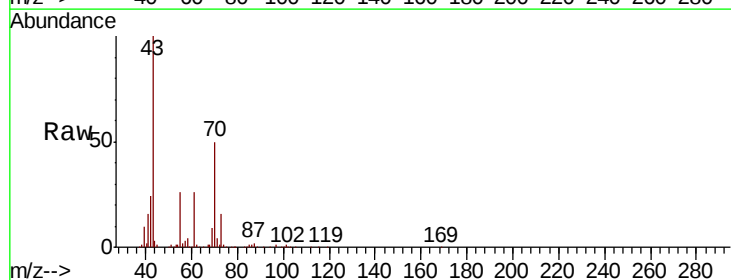
Ion Ratio Lower Upper

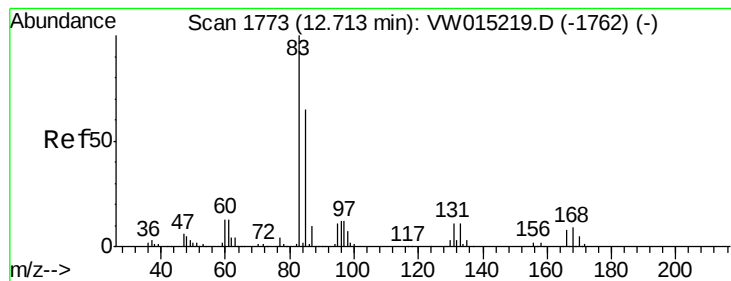
43 100

70 49.8 35.4 53.2

55 25.1 18.5 27.7

61 27.1 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 48.048 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015274.D

Acq: 21 Apr 2020 20:08

Instrument :

MSVOA_W

ClientSampled :

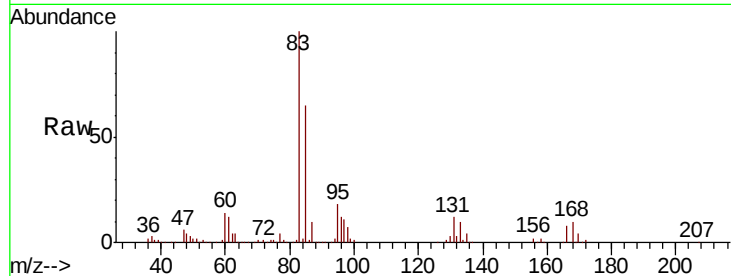
Tot Ion: 83 Resp: 77786

Ion Ratio Lower Upper

83 100

131 12.4 5.1 15.2

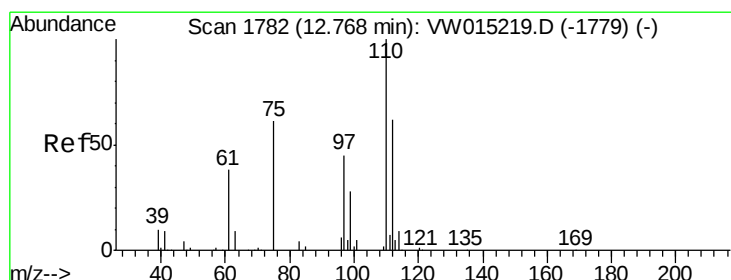
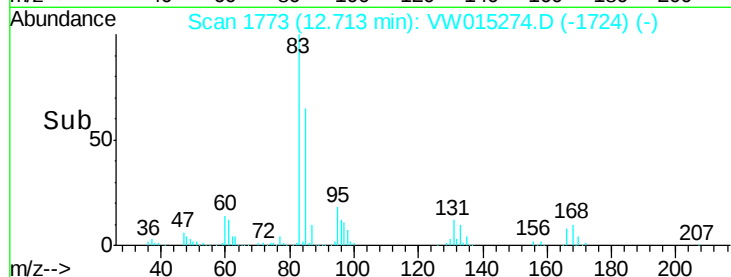
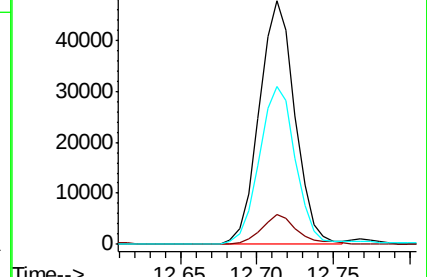
85 65.7 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 83.165 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015274.D

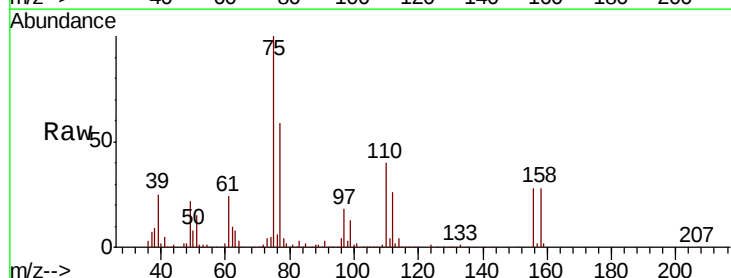
Acq: 21 Apr 2020 20:08

Tgt Ion: 75 Resp: 105806

Ion Ratio Lower Upper

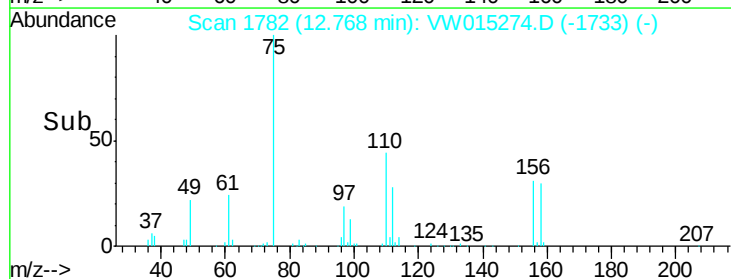
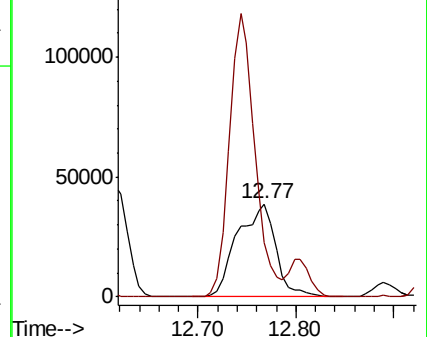
75 100

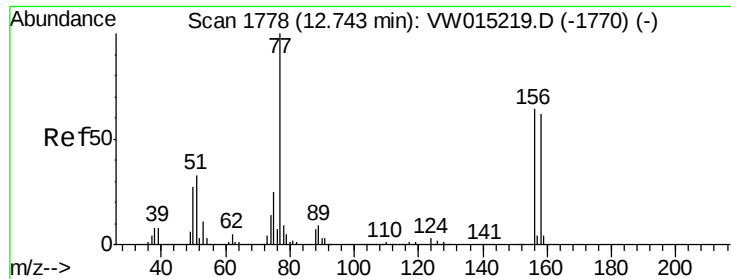
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 50.420 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW015274.D

Acq: 21 Apr 2020 20:08

Instrument :

MSVOA_W

ClientSampled :

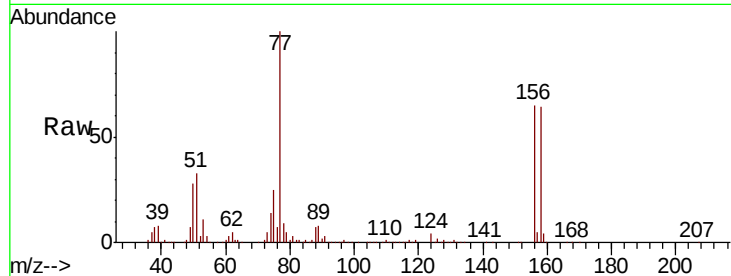
Tot Ion:156 Resp: 132084

Ion Ratio Lower Upper

156 100

77 162.7 100.5 301.5

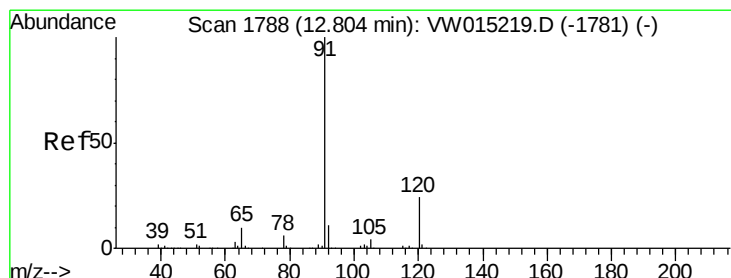
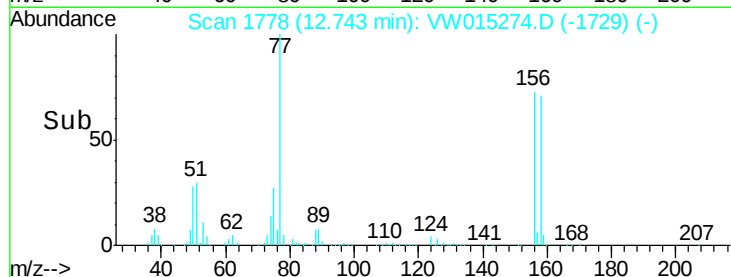
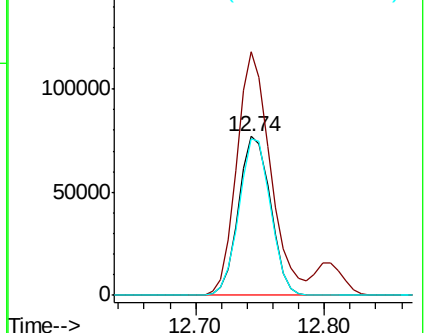
158 97.2 47.9 143.8



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: 47.076 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015274.D

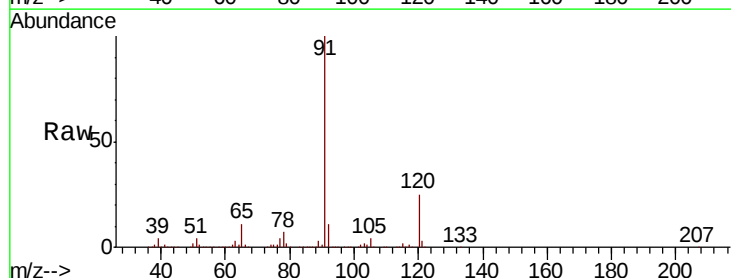
Acq: 21 Apr 2020 20:08

Tgt Ion: 91 Resp: 624983

Ion Ratio Lower Upper

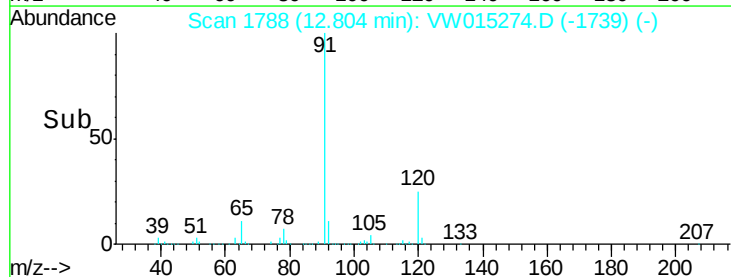
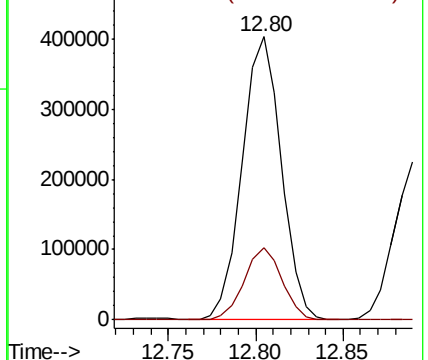
91 100

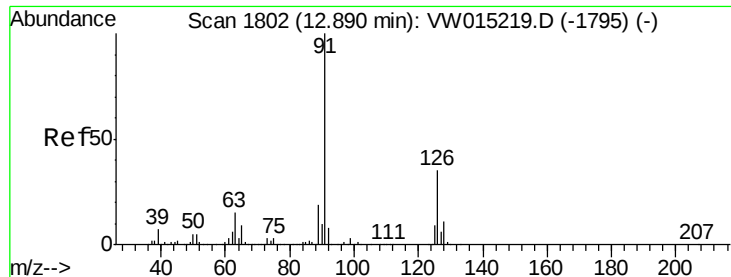
120 24.7 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.354 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015274.D

Acq: 21 Apr 2020 20:08

Instrument :

MSVOA_W

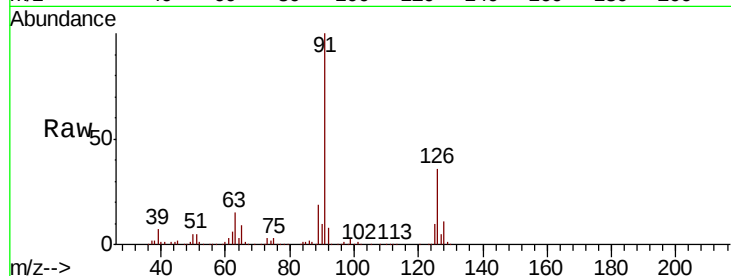
ClientSampleId :

Tot Ion: 91 Resp: 361776

Ion Ratio Lower Upper

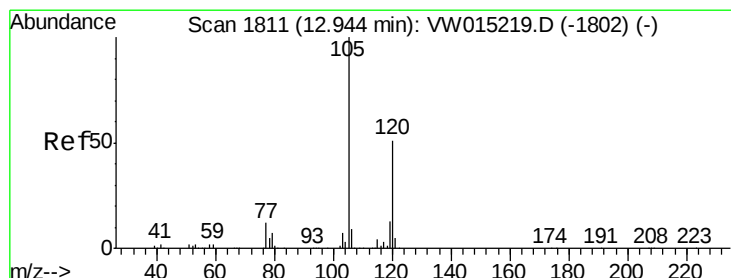
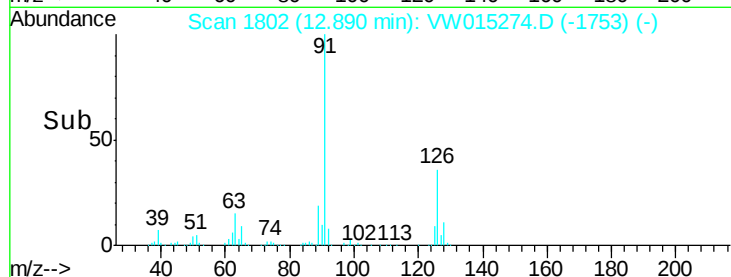
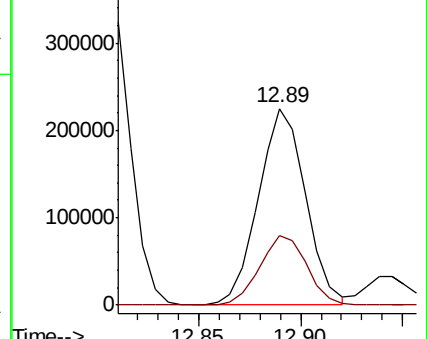
91 100

126 35.5 16.8 50.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 48.507 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015274.D

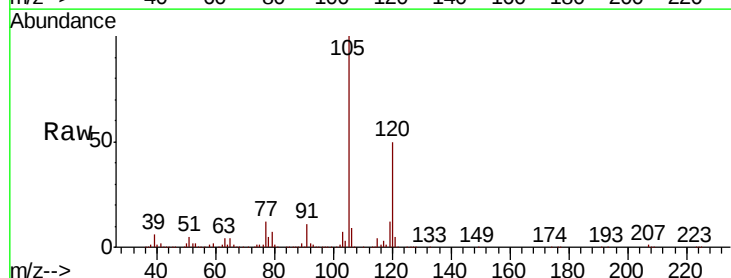
Acq: 21 Apr 2020 20:08

Tgt Ion:105 Resp: 476446

Ion Ratio Lower Upper

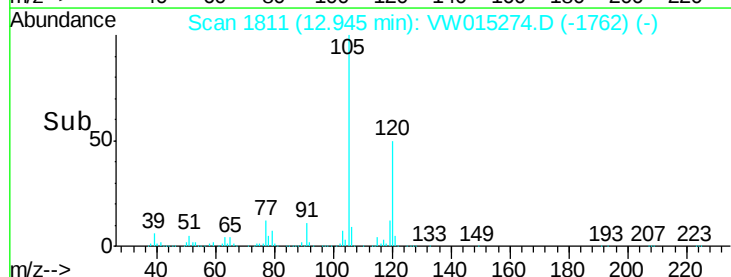
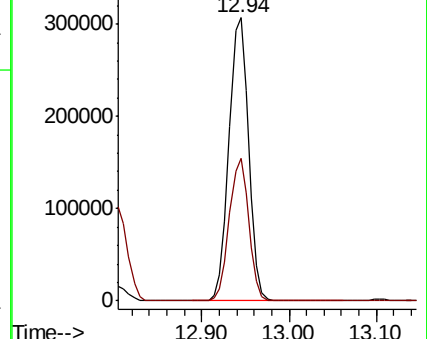
105 100

120 50.2 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

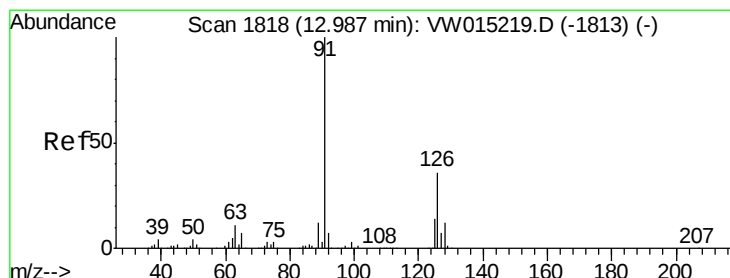
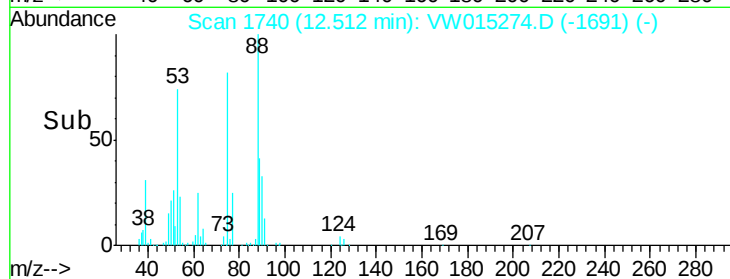
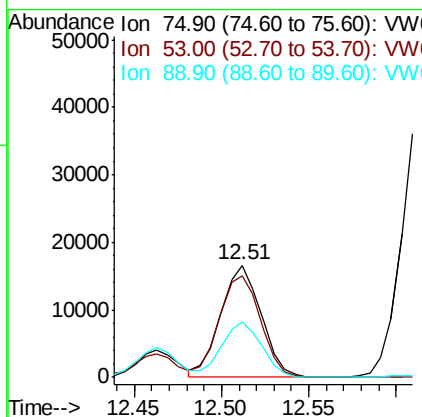
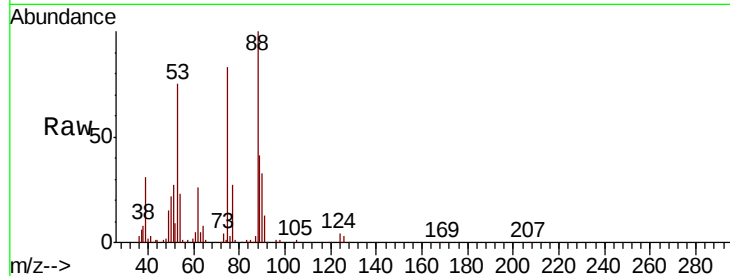




#81
trans-1,4-Dichloro-2-butene
Concen: 45.430 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW015274.D
Acq: 21 Apr 2020 20:08

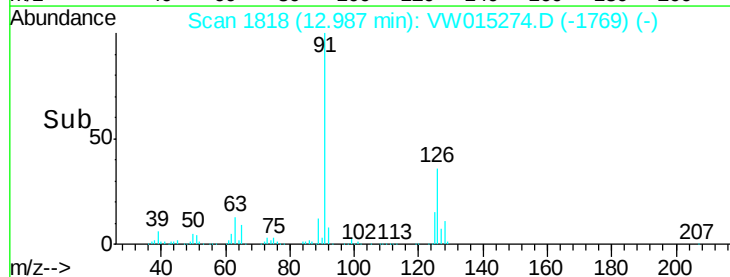
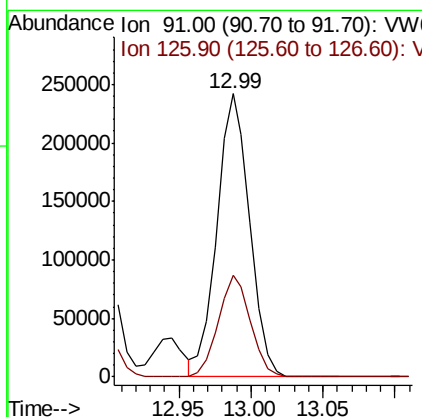
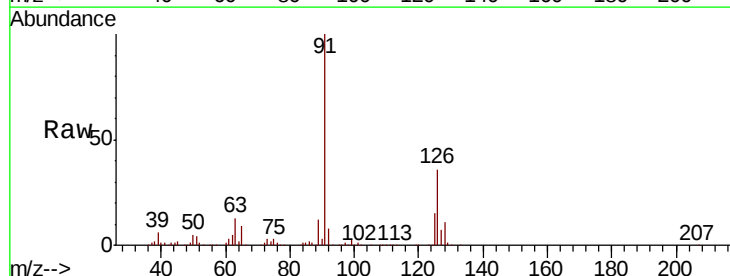
Instrument :
MSVOA_W
ClientSampleId :

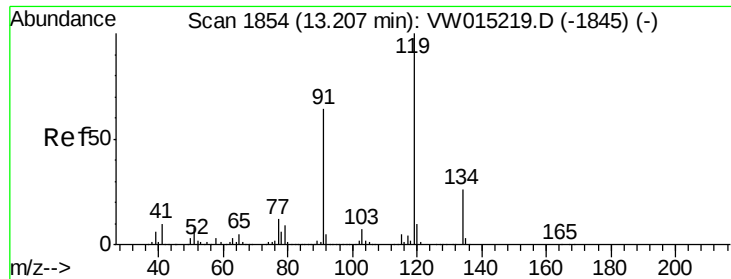
Tot Ion	75	Resp	26440
Ion Ratio	Lower	Upper	
75	100		
53	94.2	69.4	104.2
89	48.9	34.8	52.2



#82
4-Chlorotoluene
Concen: 48.089 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW015274.D
Acq: 21 Apr 2020 20:08

Tgt Ion	91	Resp	382006
Ion Ratio	Lower	Upper	
91	100		
126	35.5	16.8	50.3

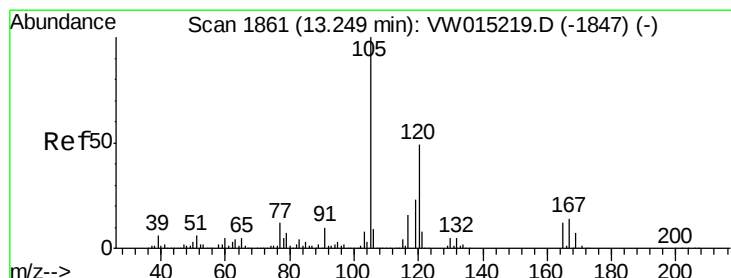
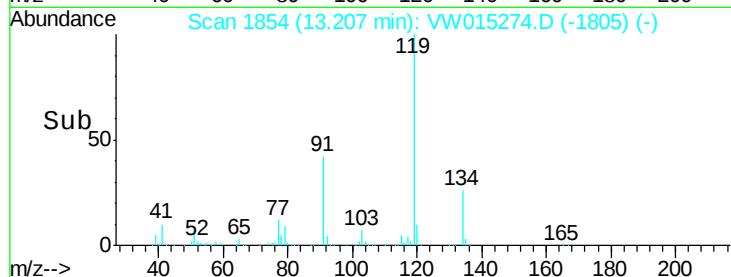
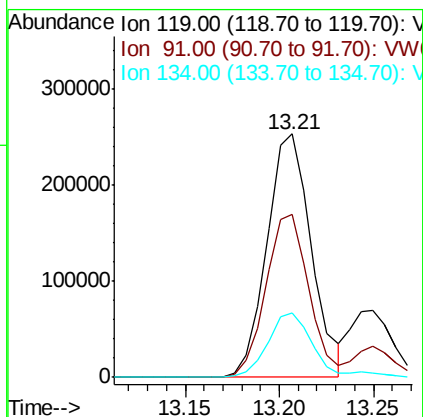
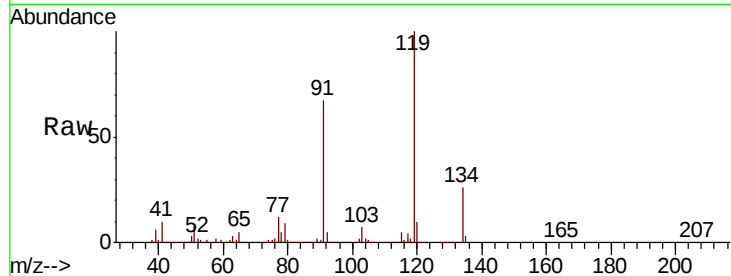




#83
tert-Butylbenzene
Concen: 48.360 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW015274.D
Acq: 21 Apr 2020 20:08

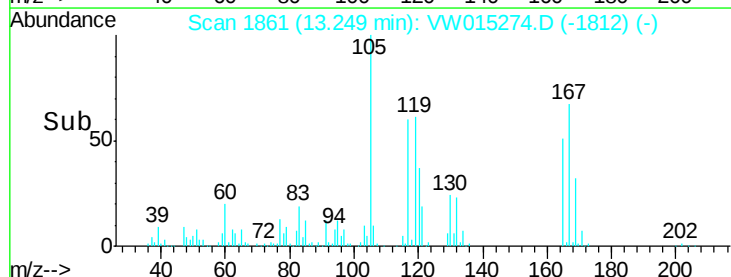
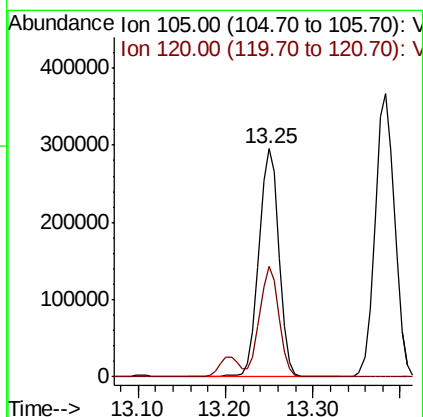
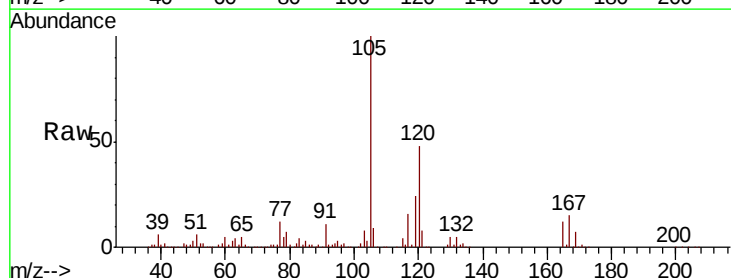
Instrument :
MSVOA_W
ClientSampleId :

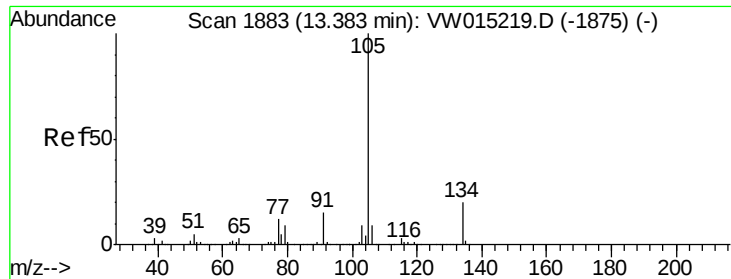
Tot Ion:119 Resp: 415164
Ion Ratio Lower Upper
119 100
91 64.7 32.8 98.3
134 26.0 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 48.671 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW015274.D
Acq: 21 Apr 2020 20:08

Tgt Ion:105 Resp: 471517
Ion Ratio Lower Upper
105 100
120 47.1 23.0 69.0





#85

sec-Butylbenzene

Concen: 48.044 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015274.D

Acq: 21 Apr 2020 20:08

Instrument :

MSVOA_W

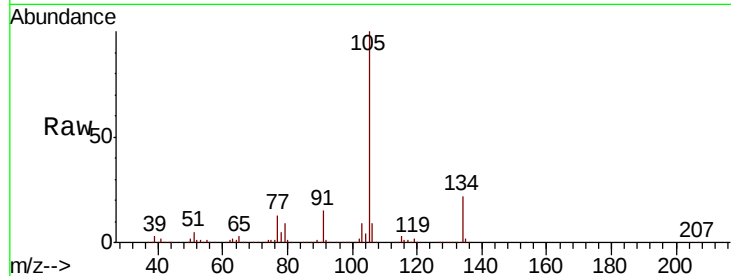
ClientSampleId :

Tot Ion:105 Resp: 569606

Ion Ratio Lower Upper

105 100

134 21.5 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

400000

300000

200000

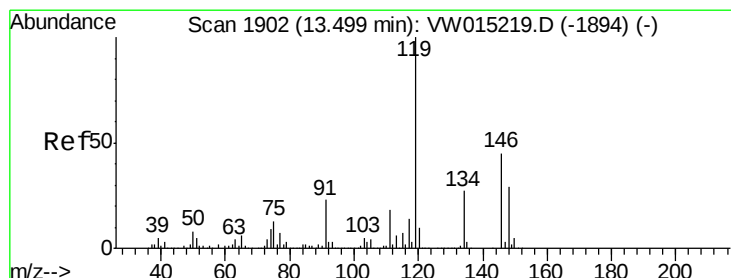
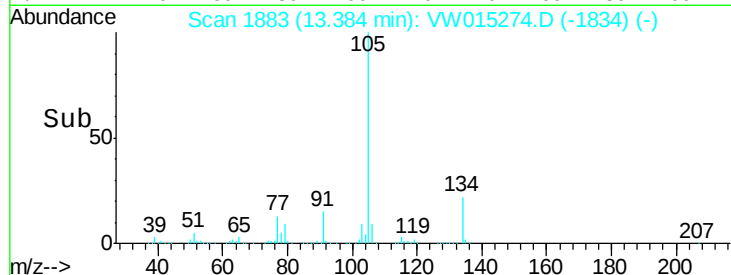
100000

0

Time-->

13.30

13.40



#86

p-Isopropyltoluene

Concen: 48.475 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015274.D

Acq: 21 Apr 2020 20:08

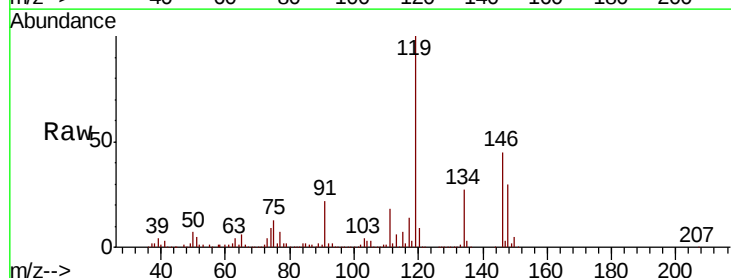
Tgt Ion:119 Resp: 534035

Ion Ratio Lower Upper

119 100

134 27.2 13.3 39.9

91 23.3 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

400000

300000

200000

100000

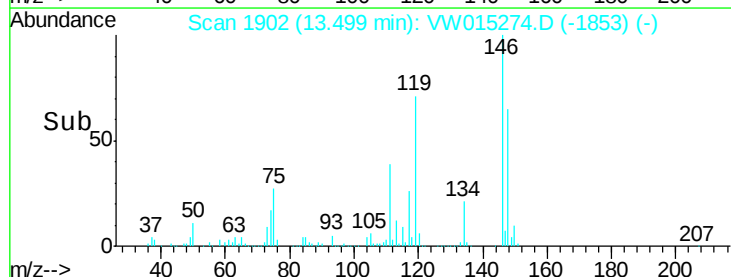
0

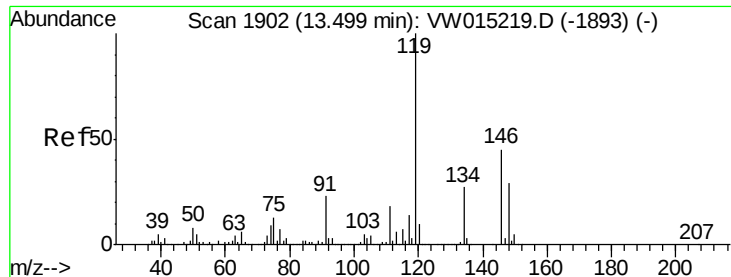
Time-->

13.45

13.50

13.55





#87

1,3-Dichlorobenzene

Concen: 50.325 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015274.D

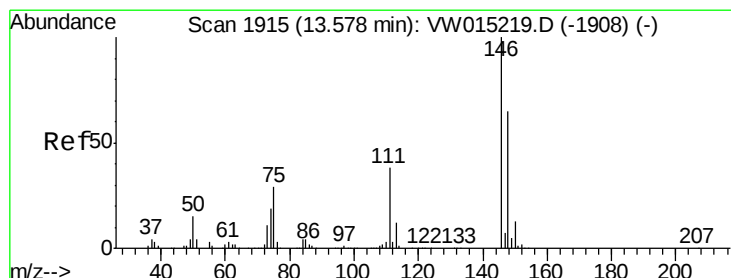
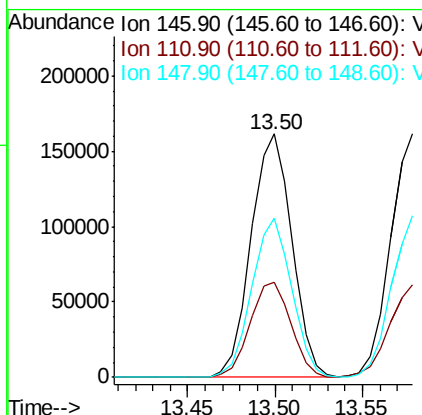
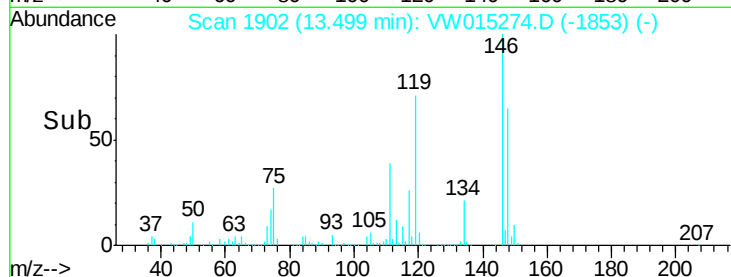
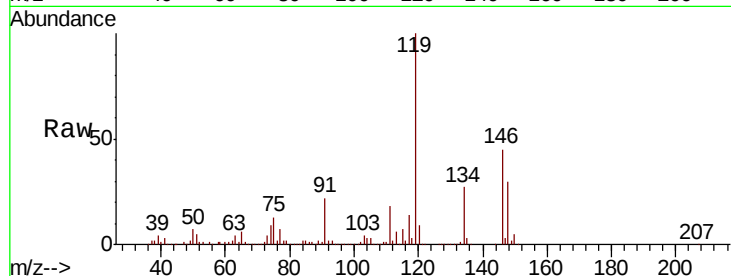
Acq: 21 Apr 2020 20:08

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:146	Resp:	261945
Ion	Ratio	Lower Upper
146	100	
111	39.1	21.1 63.4
148	64.1	31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 50.247 ug/l

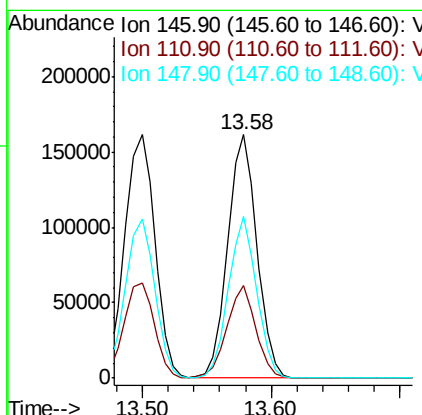
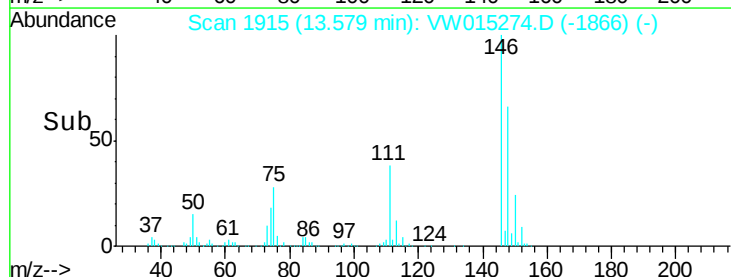
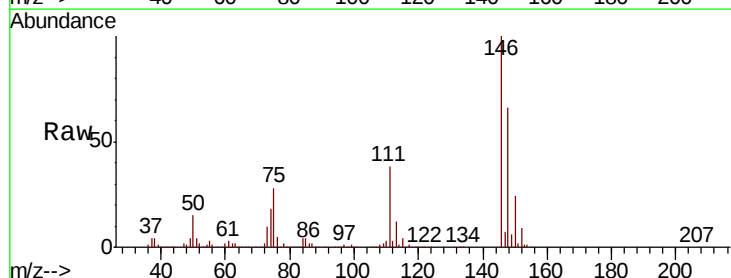
RT: 13.58 min Scan# 1915

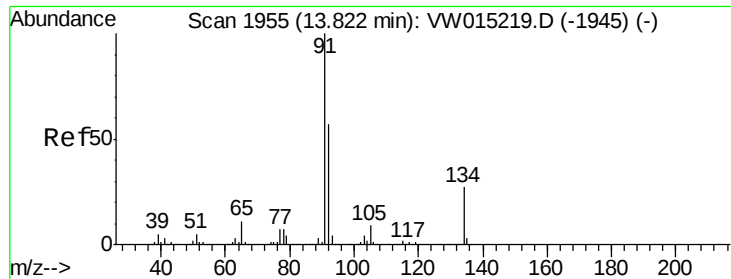
Delta R.T. 0.00 min

Lab File: VW015274.D

Acq: 21 Apr 2020 20:08

Tgt Ion:146	Resp:	256376
Ion	Ratio	Lower Upper
146	100	
111	37.6	20.4 61.3
148	64.1	31.5 94.5





#89

n-Butylbenzene

Concen: 46.458 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW015274.D

Acq: 21 Apr 2020 20:08

Instrument :

MSVOA_W

ClientSampleId :

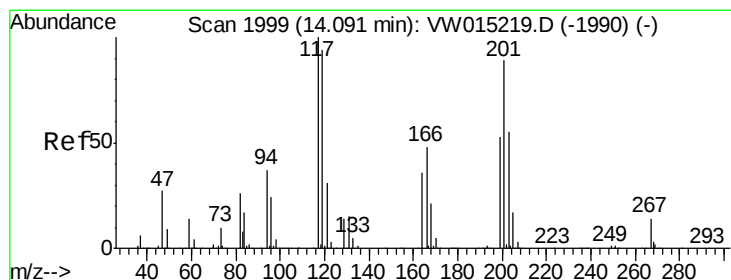
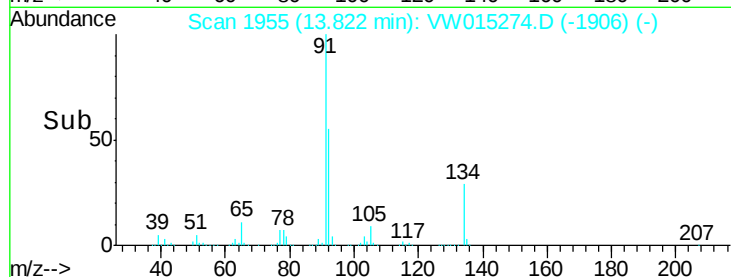
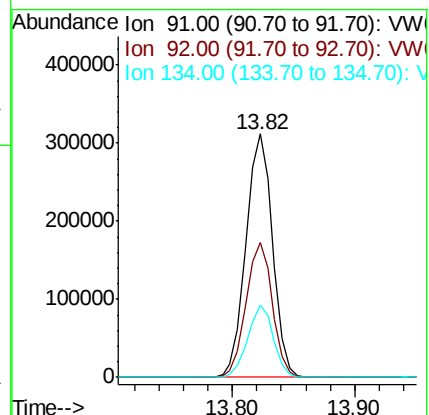
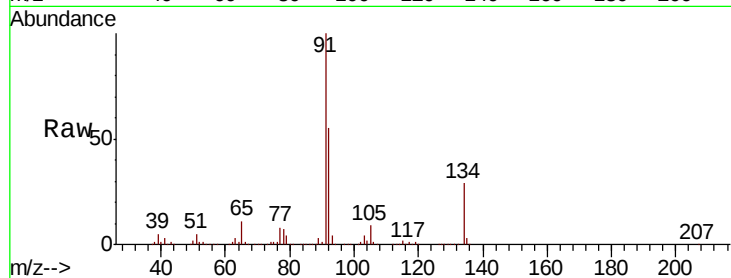
Tot Ion: 91 Resp: 467813

Ion Ratio Lower Upper

91 100

92 54.9 27.6 82.7

134 28.7 12.8 38.3



#90

Hexachloroethane

Concen: 48.407 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW015274.D

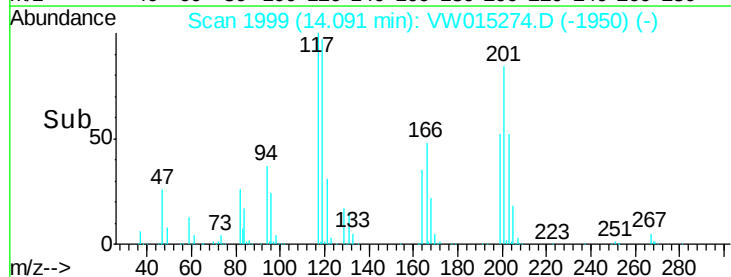
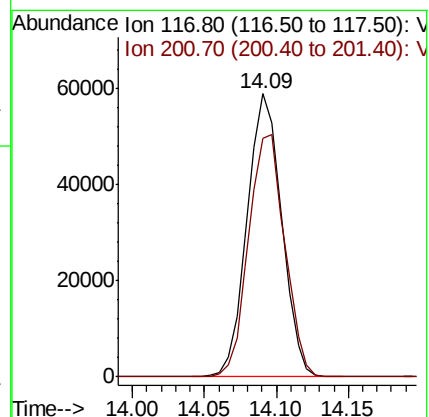
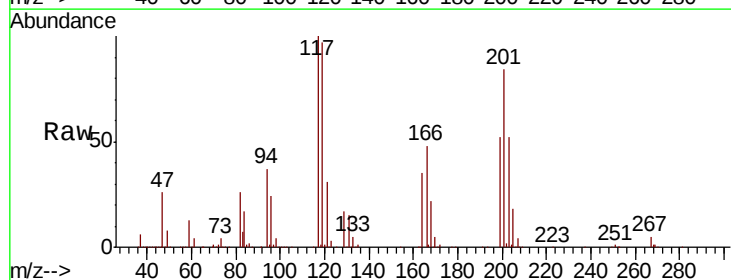
Acq: 21 Apr 2020 20:08

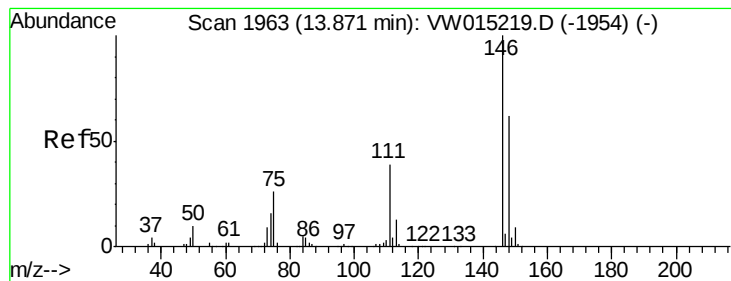
Tgt Ion: 117 Resp: 97801

Ion Ratio Lower Upper

117 100

201 89.2 33.6 100.6





#91

1,2-Dichlorobenzene

Concen: 51.258 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW015274.D

Acq: 21 Apr 2020 20:08

Instrument :

MSVOA_W

ClientSampleId :

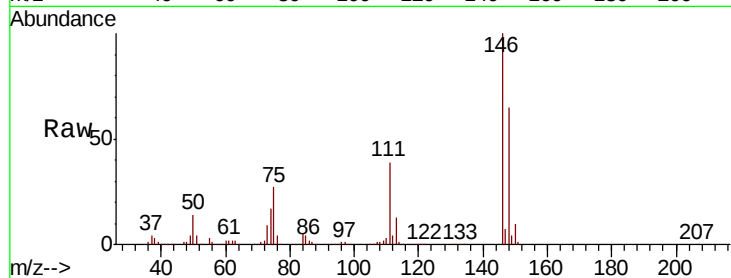
Tot Ion:146 Resp: 231846

Ion Ratio Lower Upper

146 100

111 40.4 21.6 65.0

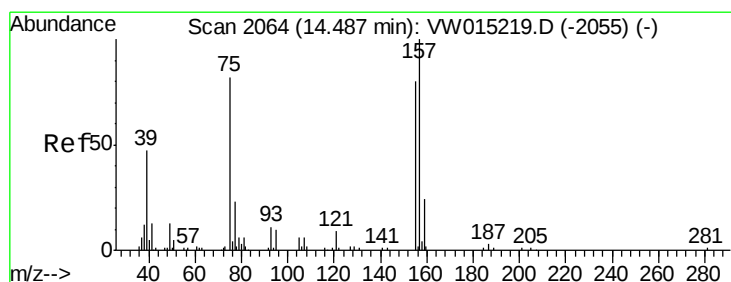
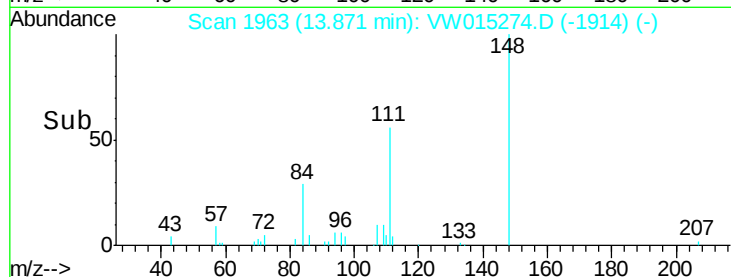
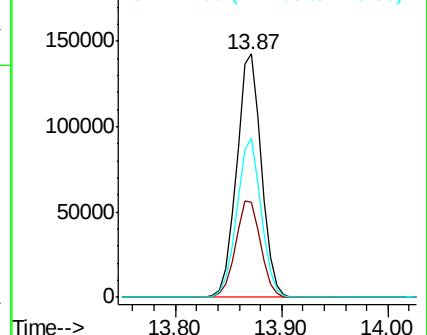
148 64.5 31.0 93.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.926 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW015274.D

Acq: 21 Apr 2020 20:08

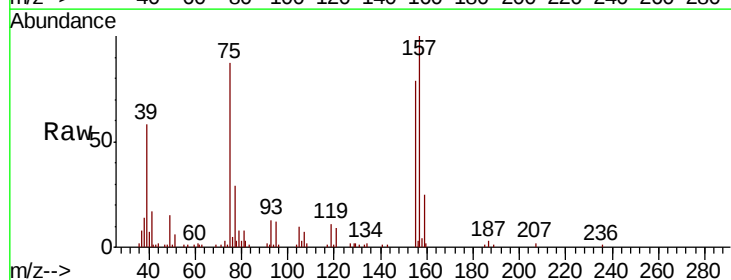
Tgt Ion: 75 Resp: 14920

Ion Ratio Lower Upper

75 100

155 95.1 41.6 124.9

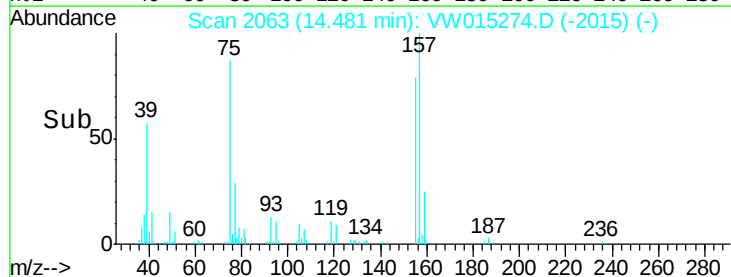
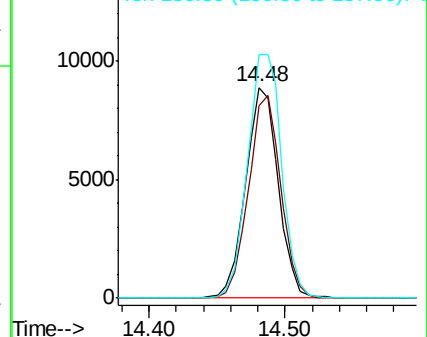
157 121.0 53.8 161.2

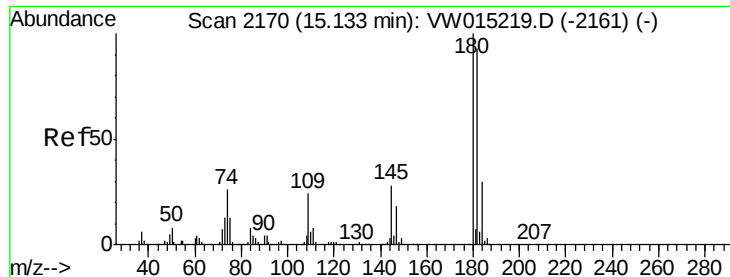


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

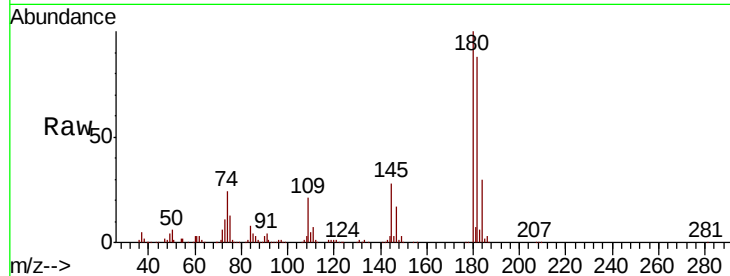




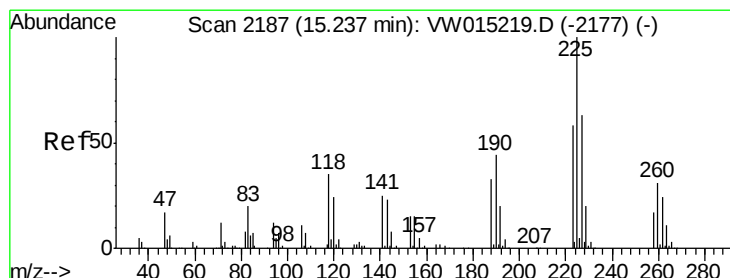
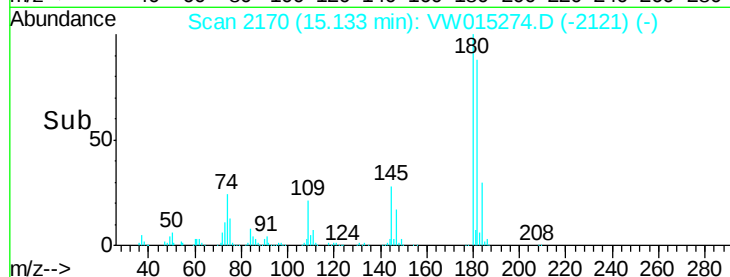
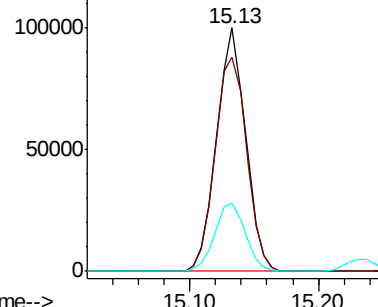
#93
 1,2,4-Trichlorobenzene
 Concen: 49.412 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015274.D
 Acq: 21 Apr 2020 20:08

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.1	141.4
145	29.6	16.2	48.6

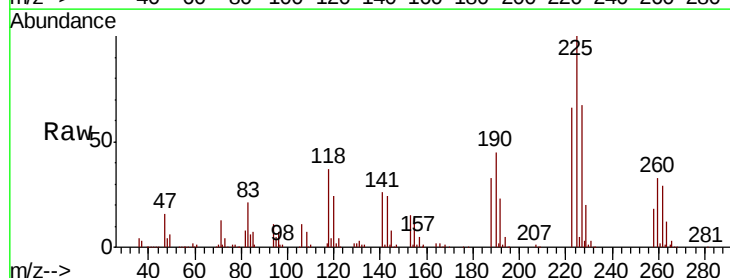


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

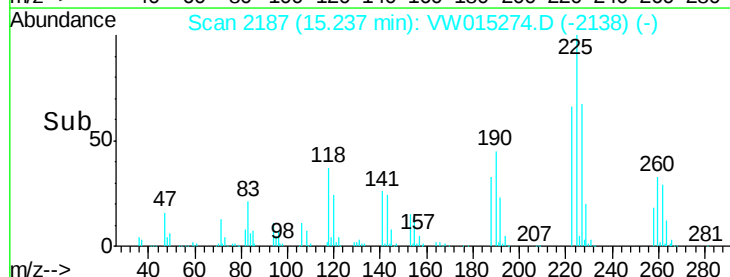
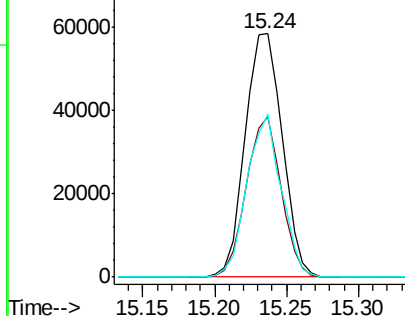


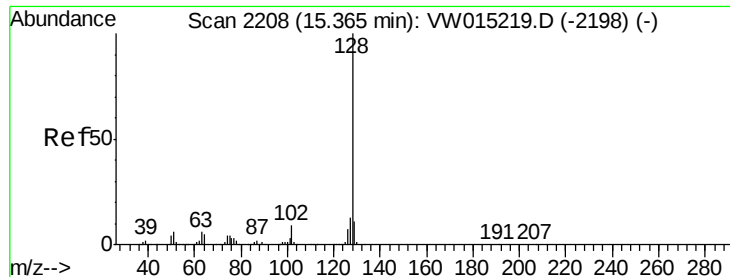
#94
 Hexachlorobutadiene
 Concen: 49.619 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015274.D
 Acq: 21 Apr 2020 20:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.0	93.0
227	61.4	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: 50.198 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015274.D

Acq: 21 Apr 2020 20:08

Instrument :

MSVOA_W

ClientSampleId :

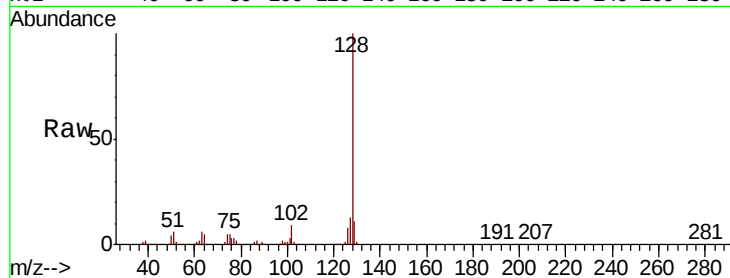
Tot Ion:128 Resp: 253870

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

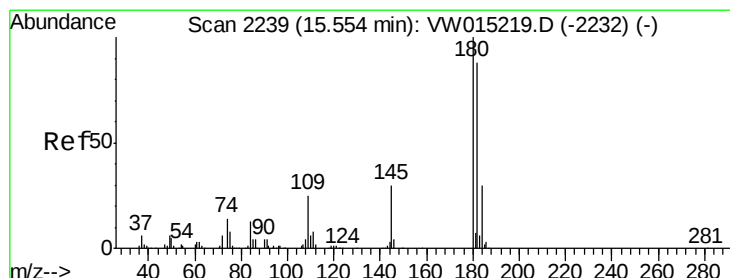
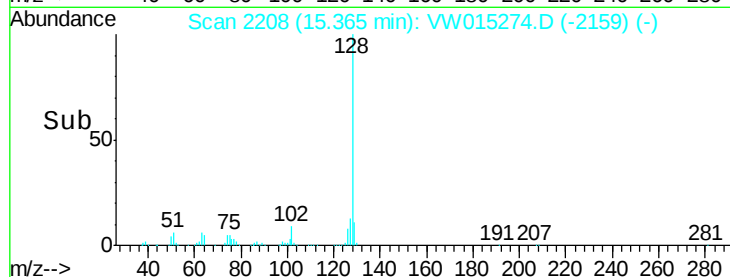
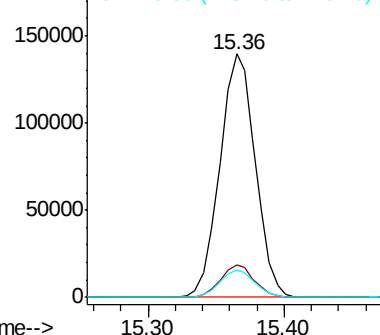
129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.972 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW015274.D

Acq: 21 Apr 2020 20:08

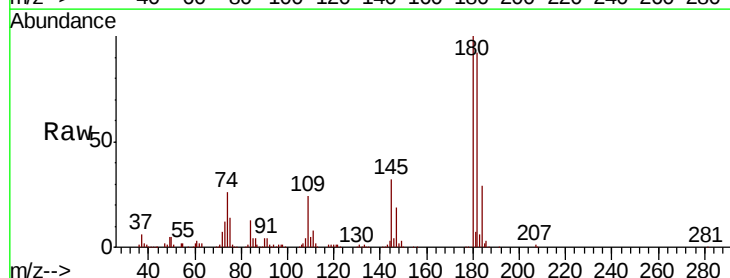
Tgt Ion:180 Resp: 130386

Ion Ratio Lower Upper

180 100

182 97.2 48.8 146.3

145 30.8 17.2 51.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

