

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101320\
 Data File : VW016884.D
 Acq On : 12 Oct 2020 16:14
 Operator : SY/VA
 Sample : VW1013SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1013SBS01

Quant Time: Oct 12 23:14:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101020S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 10 05:14:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	400207	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	582336	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	525762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	268814	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	167364	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	
35) Dibromofluoromethane	7.88	113	180103	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	
50) Toluene-d8	10.32	98	674400	50.39	ug/l	0.00
Spiked Amount			Recovery	=	100.78%	
62) 4-Bromofluorobenzene	12.62	95	241528	52.34	ug/l	0.00
Spiked Amount			Recovery	=	104.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	47294	21.923	ug/l	99
3) Chloromethane	2.21	50	44181	18.460	ug/l	97
4) Vinyl Chloride	2.37	62	70416	20.345	ug/l	96
5) Bromomethane	2.78	94	53682	20.195	ug/l	96
6) Chloroethane	2.92	64	44648	20.271	ug/l	98
7) Trichlorofluoromethane	3.26	101	41898	16.627	ug/l	94
8) Diethyl Ether	3.68	74	32578	20.699	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.07	101	68701	20.248	ug/l	99
10) Methyl Iodide	4.28	142	110439	20.360	ug/l	99
11) Tert butyl alcohol	5.17	59	21039	132.247	ug/l	100
12) 1,1-Dichloroethene	4.04	96	68674	20.505	ug/l	97
13) Acrolein	3.89	56	22090	102.708	ug/l	99
14) Allyl chloride	4.67	41	81269	20.272	ug/l	100
15) Acrylonitrile	5.37	53	56897	108.605	ug/l	98
16) Acetone	4.13	43	51764	98.181	ug/l	96
17) Carbon Disulfide	4.39	76	180152	20.218	ug/l	99
18) Methyl Acetate	4.68	43	27188	22.483	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	76977	21.326	ug/l	99
20) Methylene Chloride	4.92	84	76353	18.597	ug/l	95
21) trans-1,2-Dichloroethene	5.43	96	78723	20.938	ug/l	97
22) Diisopropyl ether	6.32	45	154103	21.150	ug/l	98
23) Vinyl Acetate	6.26	43	501781	107.477	ug/l	99
24) 1,1-Dichloroethane	6.22	63	119241	20.639	ug/l	99
25) 2-Butanone	7.17	43	77710	110.559	ug/l	100
26) 2,2-Dichloropropane	7.17	77	71758	20.301	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	84634	21.017	ug/l	99
28) Bromochloromethane	7.51	49	47235	20.428	ug/l	99
29) Tetrahydrofuran	7.53	42	45134	114.640	ug/l	99
30) Chloroform	7.68	83	129913	20.684	ug/l	98
31) Cyclohexane	7.96	56	97882	19.862	ug/l #	92
32) 1,1,1-Trichloroethane	7.87	97	106853	20.169	ug/l	100
36) 1,1-Dichloropropene	8.09	75	102327	20.328	ug/l	100
37) Ethyl Acetate	7.26	43	35780	21.754	ug/l	98
38) Carbon Tetrachloride	8.07	117	105903	20.232	ug/l	92

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 ClientSampleId :
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101020S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 10 05:14:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	115255	20.076	ug/l	95
40) Benzene	8.33	78	289512	20.640	ug/l	99
41) Methacrylonitrile	7.49	41	20720	21.259	ug/l	94
42) 1,2-Dichloroethane	8.40	62	81463	21.231	ug/l	99
43) Isopropyl Acetate	8.43	43	67953	21.566	ug/l	99
44) Trichloroethene	9.10	130	86264	19.869	ug/l	99
45) 1,2-Dichloropropane	9.37	63	65455	20.463	ug/l	99
46) Dibromomethane	9.46	93	37978	20.757	ug/l	97
47) Bromodichloromethane	9.65	83	96663	21.248	ug/l	96
48) Methyl methacrylate	9.44	41	31032	21.372	ug/l	99
49) 1,4-Dioxane	9.46	88	9247	439.387	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	170990	107.270	ug/l	100
52) Toluene	10.39	92	191110	20.611	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	85785	20.714	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	106556	21.064	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	54698	21.003	ug/l	96
56) Ethyl methacrylate	10.65	69	61697	21.777	ug/l	98
57) 1,3-Dichloropropane	10.93	76	89810	20.844	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	166839	106.271	ug/l	98
59) 2-Hexanone	10.97	43	112653	106.814	ug/l	98
60) Dibromochloromethane	11.13	129	66237	20.736	ug/l	100
61) 1,2-Dibromoethane	11.24	107	54715	21.215	ug/l	99
64) Tetrachloroethene	10.87	164	75317	20.107	ug/l	96
65) Chlorobenzene	11.66	112	213026	20.657	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	75362	20.664	ug/l	99
67) Ethyl Benzene	11.73	91	361932	20.141	ug/l	100
68) m/p-Xylenes	11.84	106	287851	41.186	ug/l	97
69) o-Xylene	12.17	106	134177	20.921	ug/l	98
70) Styrene	12.18	104	221321	20.734	ug/l	99
71) Bromoform	12.35	173	37890	20.695	ug/l #	100
73) Isopropylbenzene	12.47	105	363786	20.361	ug/l	100
74) N-amyl acetate	12.27	43	61407	21.397	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	59593	21.258	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	72846	36.318	ug/l	29
77) Bromobenzene	12.75	156	91733	20.770	ug/l	99
78) n-propylbenzene	12.80	91	428920	20.816	ug/l	99
79) 2-Chlorotoluene	12.90	91	244223	20.777	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	307249	20.519	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	15606	20.913	ug/l	94
82) 4-Chlorotoluene	12.99	91	250663	20.657	ug/l	100
83) tert-Butylbenzene	13.21	119	267454	20.566	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	314485	21.078	ug/l	99
85) sec-Butylbenzene	13.38	105	370381	20.461	ug/l	100
86) p-Isopropyltoluene	13.50	119	348563	20.679	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	176633	20.681	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	174147	20.691	ug/l	98
89) n-Butylbenzene	13.82	91	306393	20.177	ug/l	99
90) Hexachloroethane	14.10	117	53431	20.543	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	153454	20.824	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9361	21.805	ug/l	98

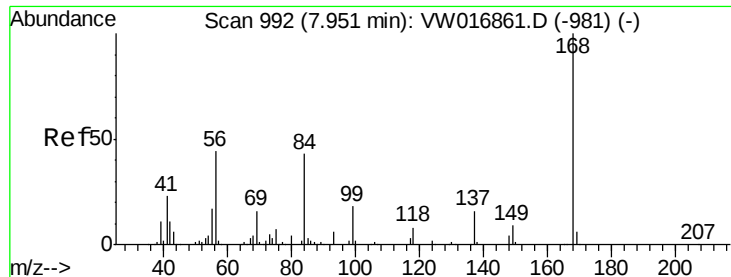
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101320\
Data File : VW016884.D
Acq On : 12 Oct 2020 16:14
Operator : SY/VA
Sample : VW1013SBSD01
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MSVOA_W
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	111631	21.955	ug/l	94
94) Hexachlorobutadiene	15.24	225	69692	21.144	ug/l	94
95) Naphthalene	15.37	128	180031	21.786	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	94447	21.352	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: VW016884.D

Acq: 12 Oct 2020 16:14

Instrument :

MSVOA_W

ClientSampleId :

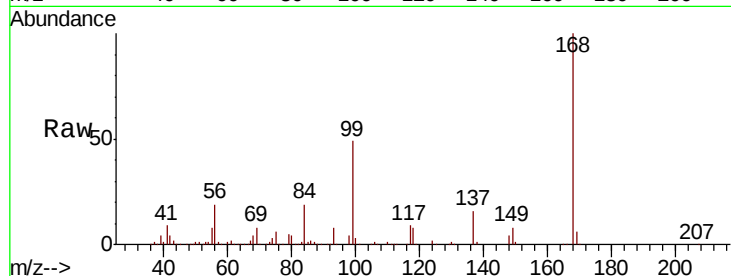
VW1013SBSD01

Tot Ion:168 Resp: 400207

Ion Ratio Lower Upper

168 100

99 48.7 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

150000

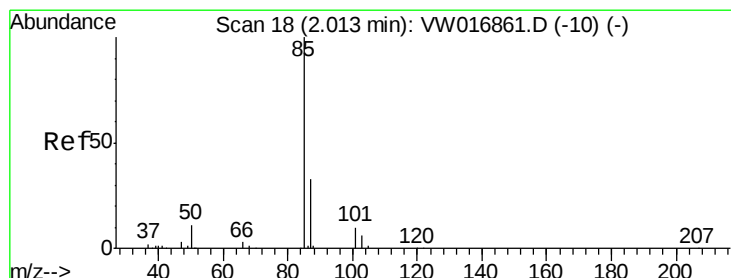
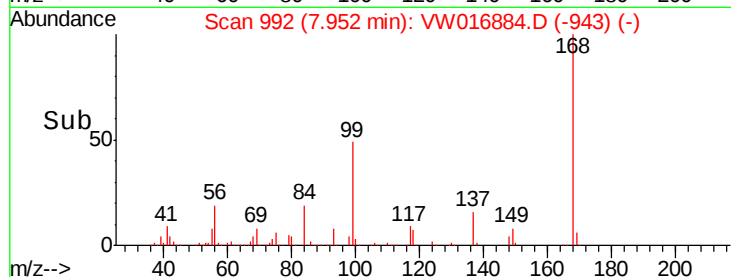
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.923 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW016884.D

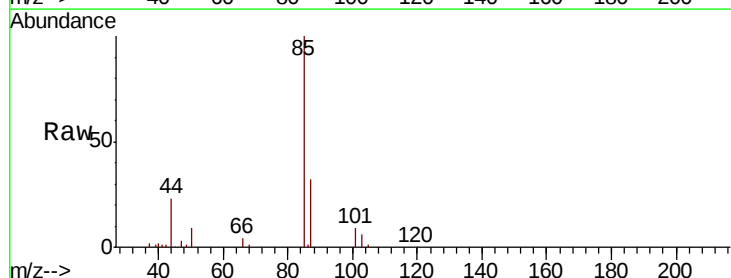
Acq: 12 Oct 2020 16:14

Tgt Ion: 85 Resp: 47294

Ion Ratio Lower Upper

85 100

87 31.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

20000

15000

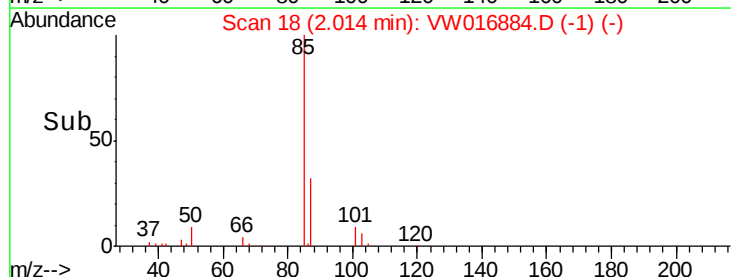
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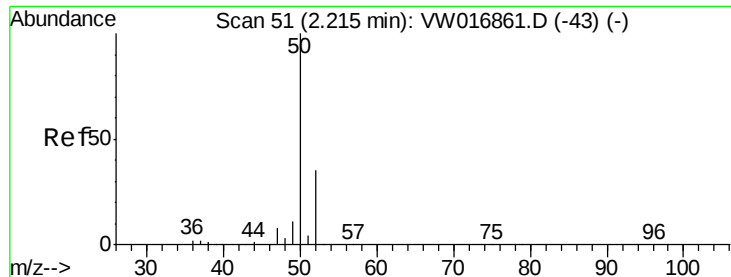
5000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 18.460 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW016884.D

Acq: 12 Oct 2020 16:14

Instrument :

MSVOA_W

ClientSampleId :

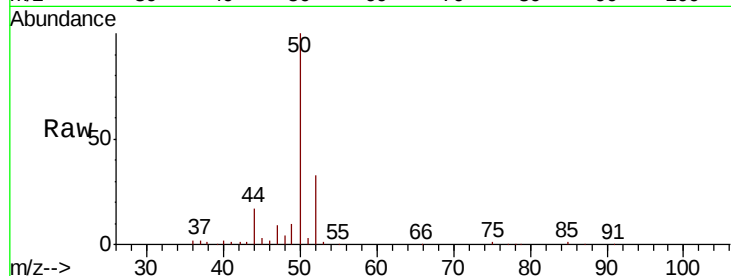
VW1013SBSD01

Tot Ion: 50 Resp: 44181

Ion Ratio Lower Upper

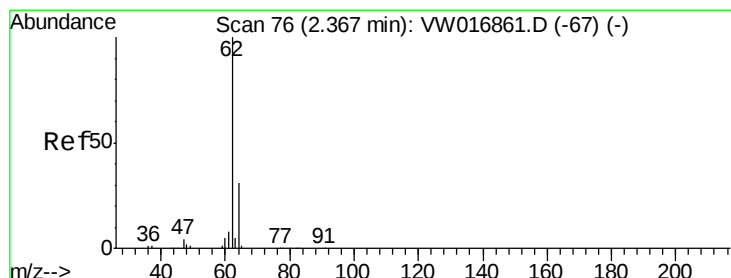
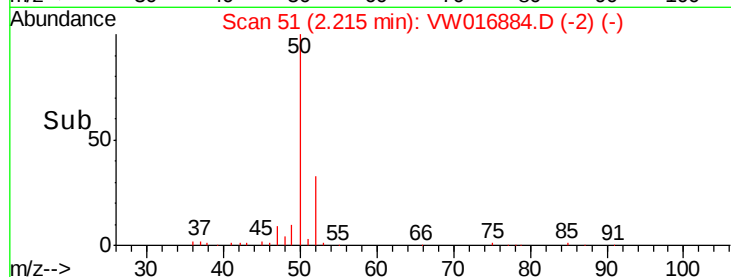
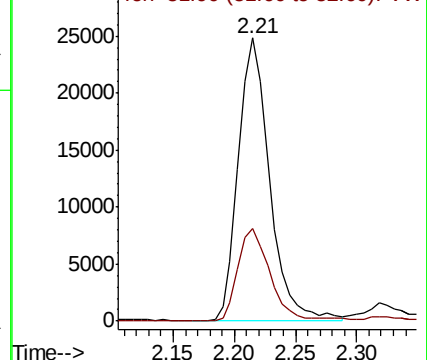
50 100

52 32.7 27.6 41.4



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 20.345 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016884.D

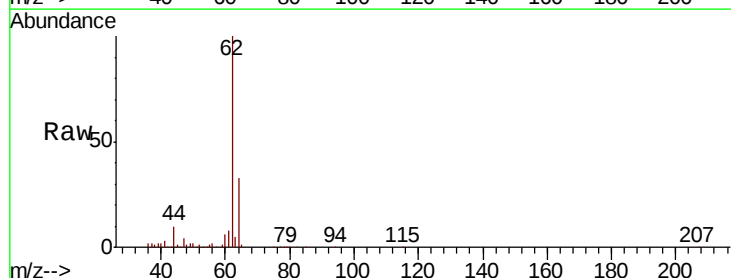
Acq: 12 Oct 2020 16:14

Tgt Ion: 62 Resp: 70416

Ion Ratio Lower Upper

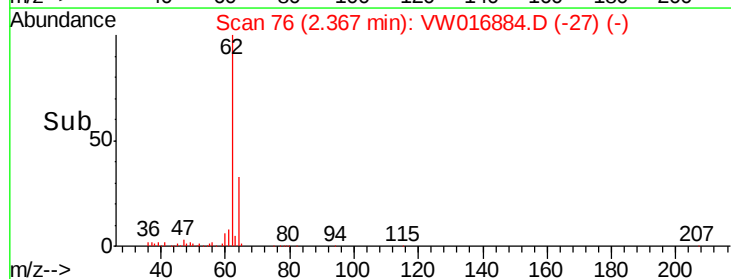
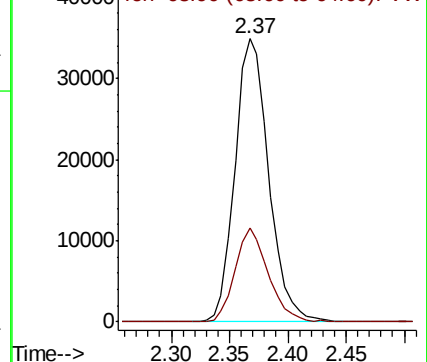
62 100

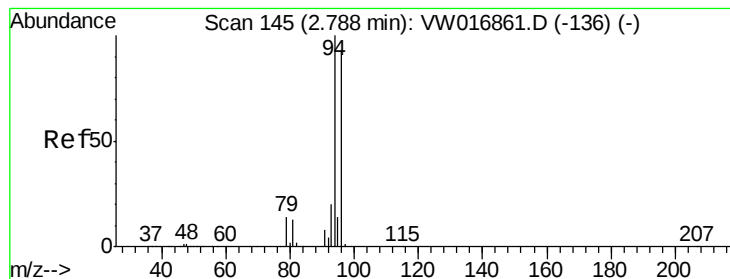
64 33.3 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 20.195 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW016884.D

Acq: 12 Oct 2020 16:14

Instrument :

MSVOA_W

ClientSampleId :

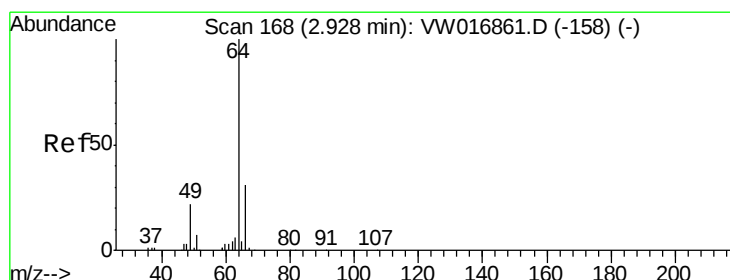
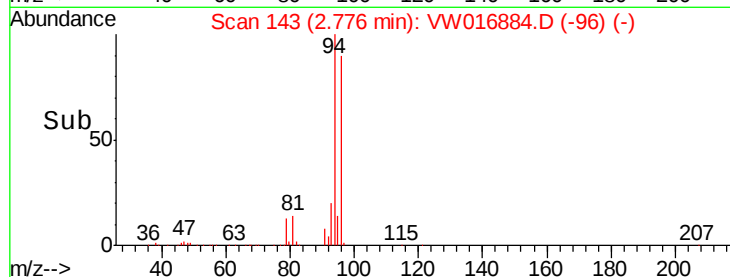
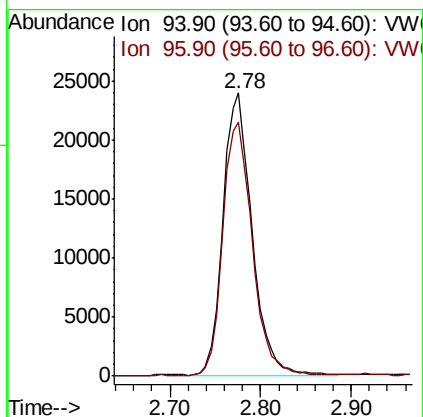
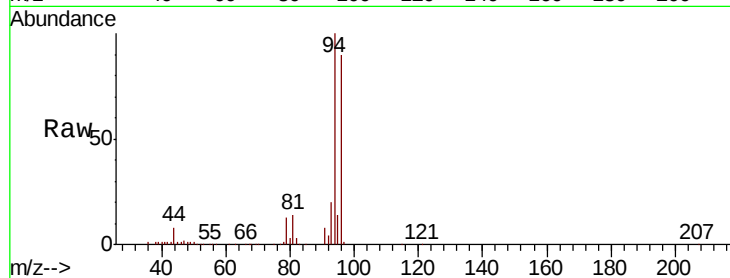
VW1013SBSD01

Tot Ion: 94 Resp: 53682

Ion Ratio Lower Upper

94 100

96 89.7 74.7 112.1



#6

Chloroethane

Concen: 20.271 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW016884.D

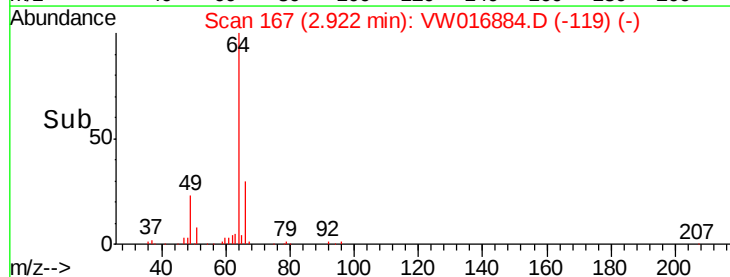
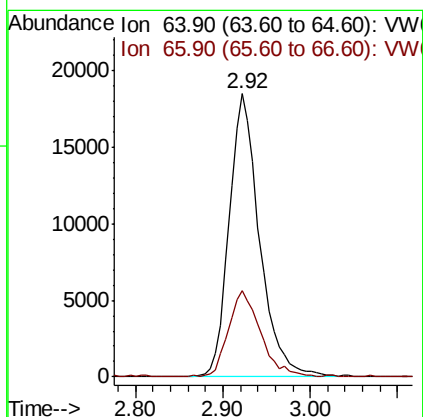
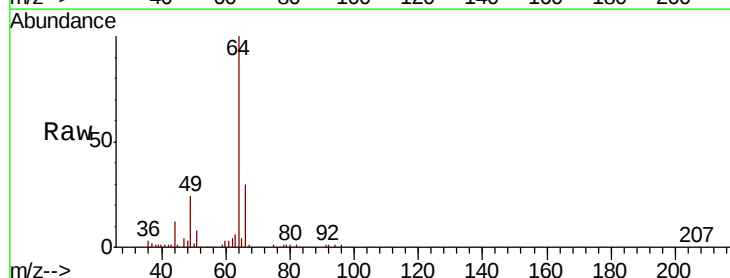
Acq: 12 Oct 2020 16:14

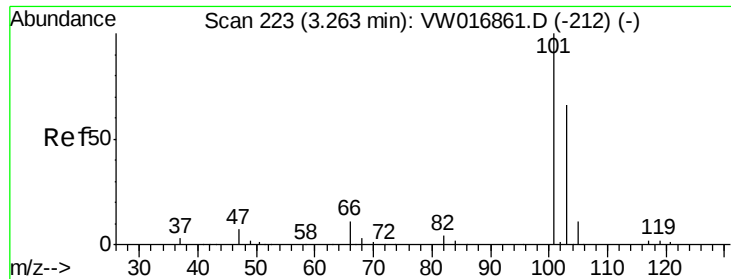
Tgt Ion: 64 Resp: 44648

Ion Ratio Lower Upper

64 100

66 30.3 25.0 37.6



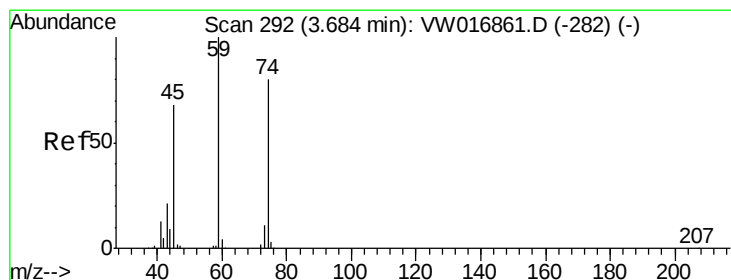
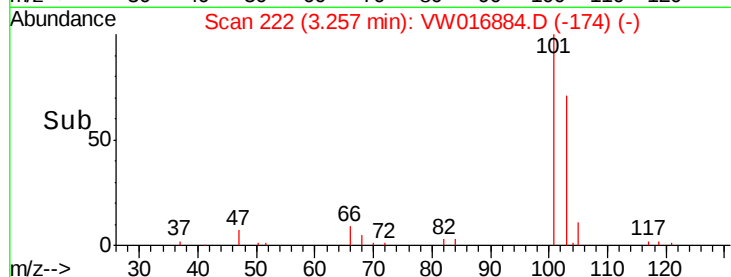
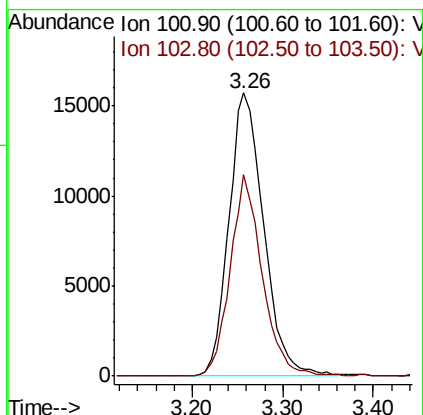
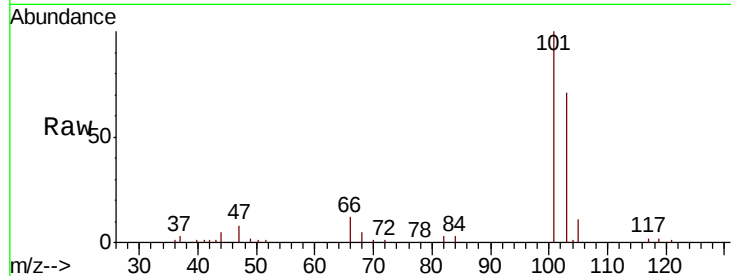


#7

Trichlorofluoromethane
 Concen: 16.627 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW016884.D
 Acq: 12 Oct 2020 16:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1013SBSD01

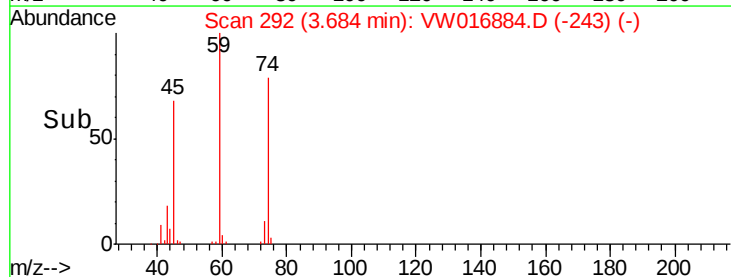
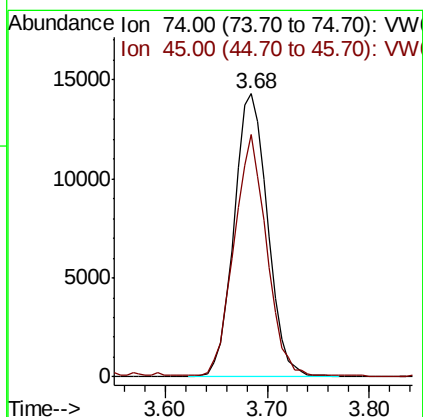
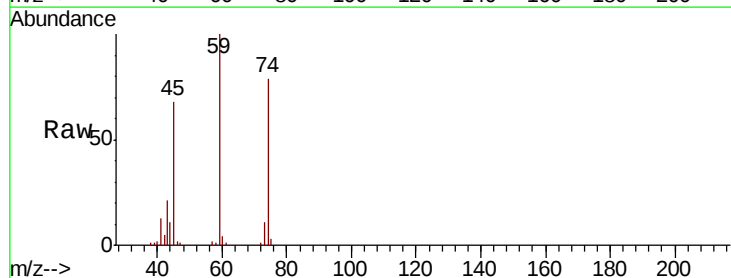
Tot Ion:101 Resp: 41898
 Ion Ratio Lower Upper
 101 100
 103 71.0 52.6 79.0

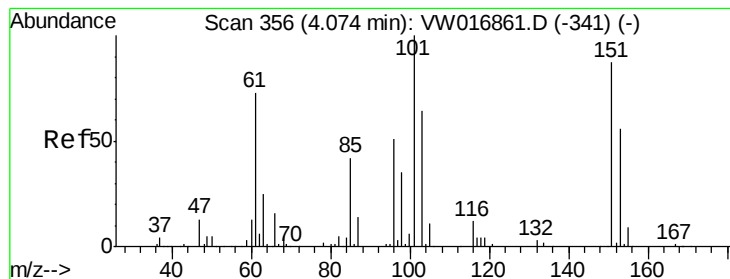


#8

Diethyl Ether
 Concen: 20.699 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW016884.D
 Acq: 12 Oct 2020 16:14

Tgt Ion: 74 Resp: 32578
 Ion Ratio Lower Upper
 74 100
 45 82.0 41.1 123.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.248 ug/l

RT: 4.07 min Scan# 356

Delta R.T. 0.00 min

Lab File: VW016884.D

Acq: 12 Oct 2020 16:14

Instrument :

MSVOA_W

ClientSampleId :

VW1013SBSD01

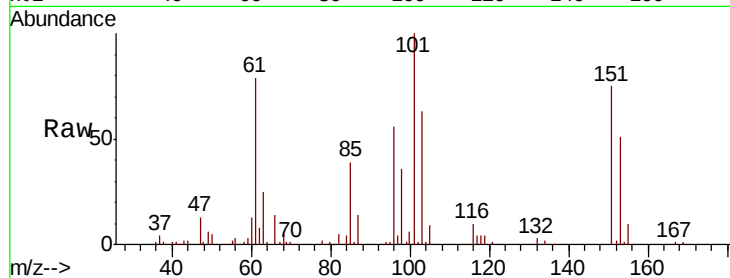
Tot Ion:101 Resp: 68701

Ion Ratio Lower Upper

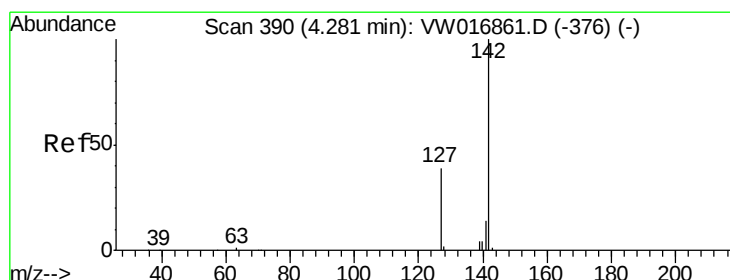
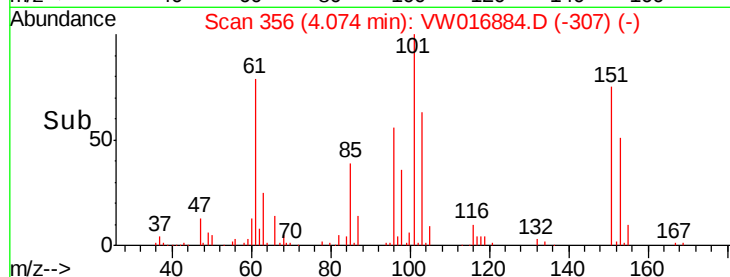
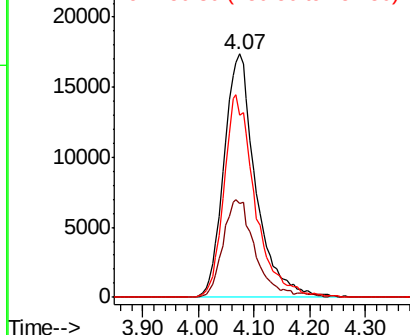
101 100

85 41.0 33.2 49.8

151 81.8 66.6 100.0



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VV
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.360 ug/l

RT: 4.28 min Scan# 390

Delta R.T. 0.00 min

Lab File: VW016884.D

Acq: 12 Oct 2020 16:14

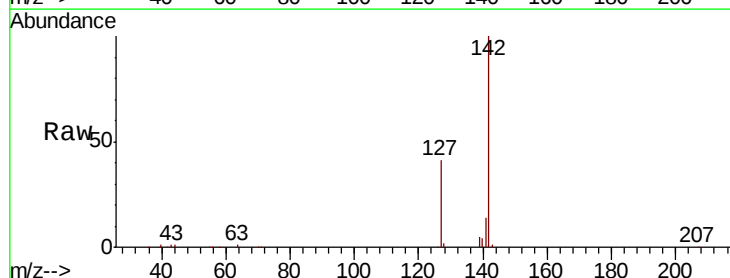
Tgt Ion:142 Resp: 110439

Ion Ratio Lower Upper

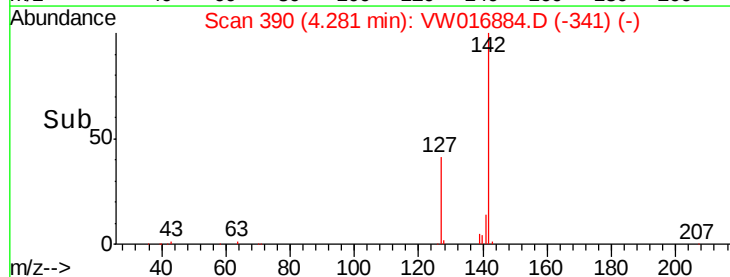
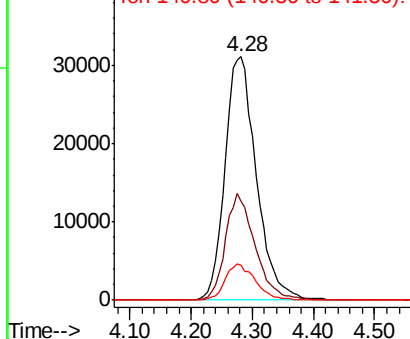
142 100

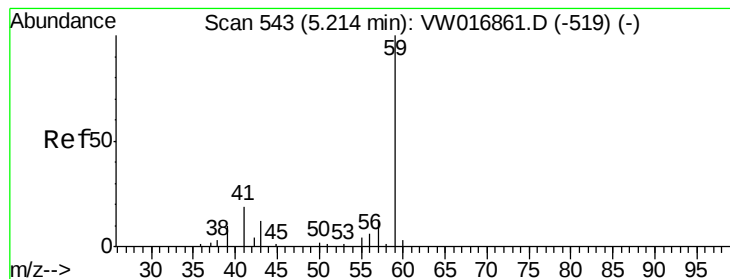
127 41.5 32.4 48.6

141 14.2 11.4 17.0



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



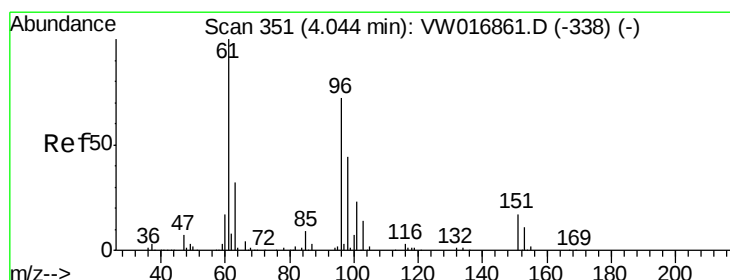
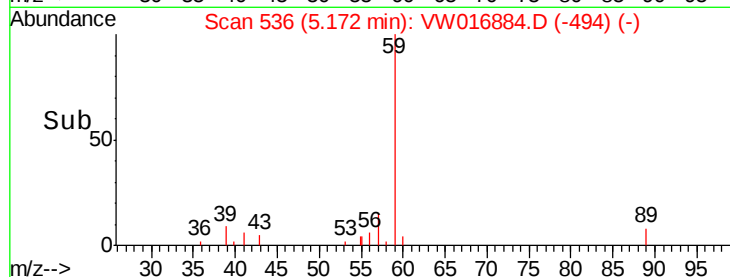
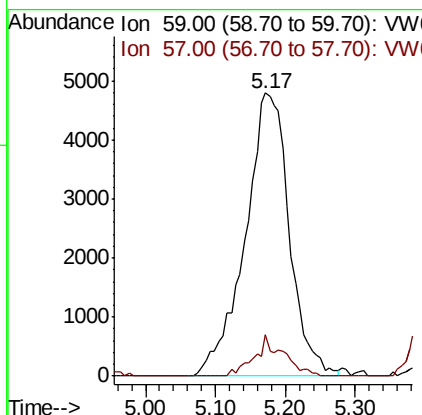
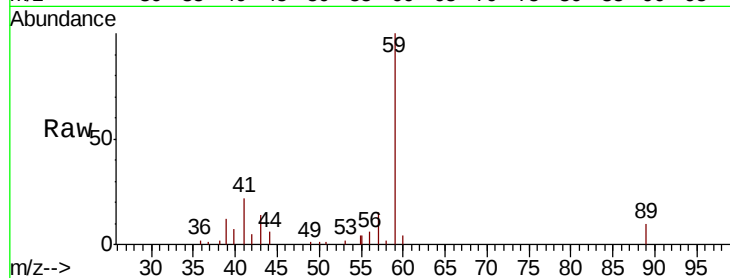


#11

Tert butyl alcohol
 Concen: 132.247 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. -0.04 min
 Lab File: VW016884.D
 Acq: 12 Oct 2020 16:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1013SBSD01

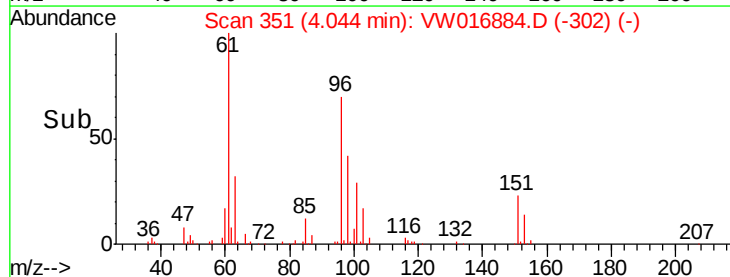
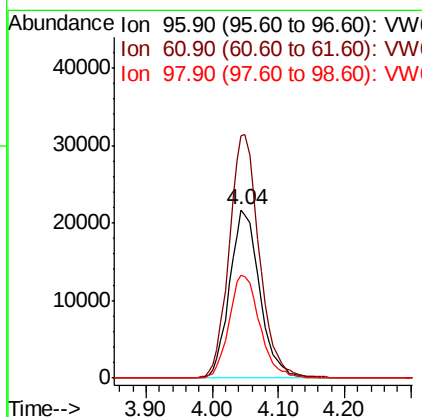
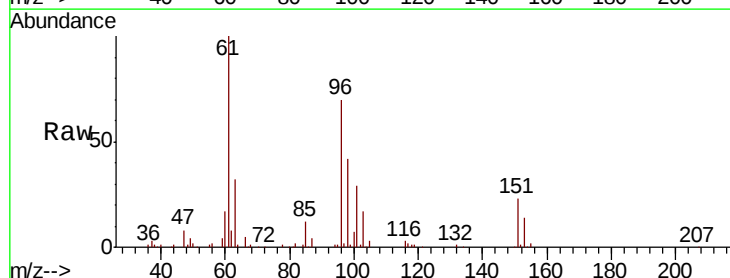
Tot Ion: 59 Resp: 21039
 Ion Ratio Lower Upper
 59 100
 57 5.7 4.7 7.1

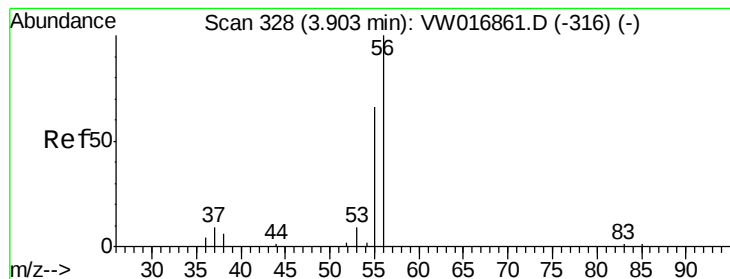


#12

1,1-Dichloroethene
 Concen: 20.505 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VW016884.D
 Acq: 12 Oct 2020 16:14

Tgt Ion: 96 Resp: 68674
 Ion Ratio Lower Upper
 96 100
 61 143.9 111.7 167.5
 98 61.0 49.0 73.4





#13

Acrolein

Concen: 102.708 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW016884.D

Acq: 12 Oct 2020 16:14

Instrument :

MSVOA_W

ClientSampleId :

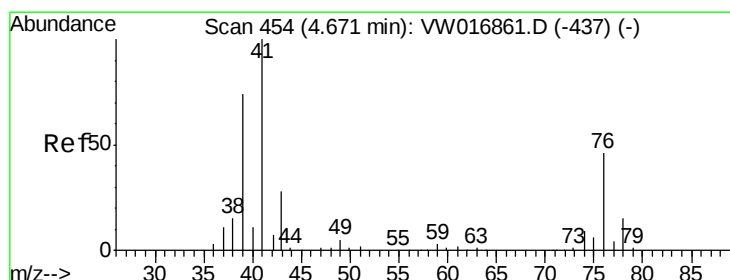
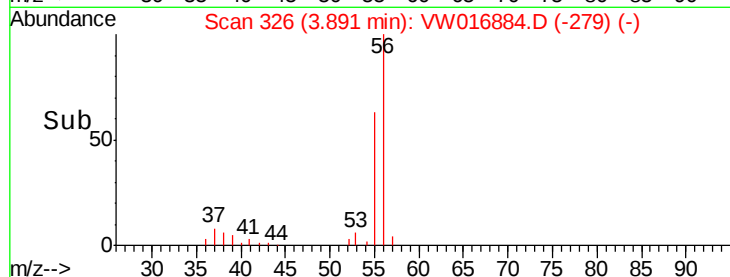
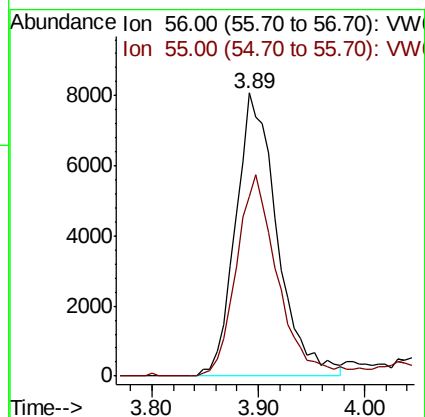
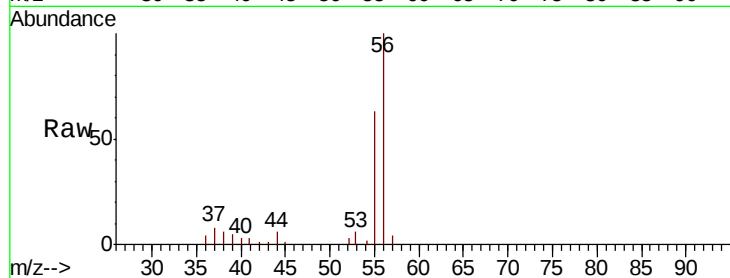
VW1013SBSD01

Tot Ion: 56 Resp: 22090

Ion Ratio Lower Upper

56 100

55 70.9 55.9 83.9



#14

Allyl chloride

Concen: 20.272 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW016884.D

Acq: 12 Oct 2020 16:14

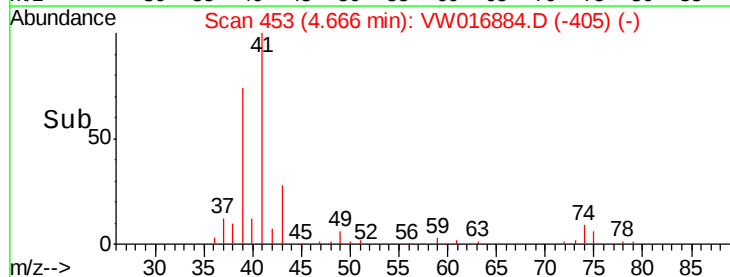
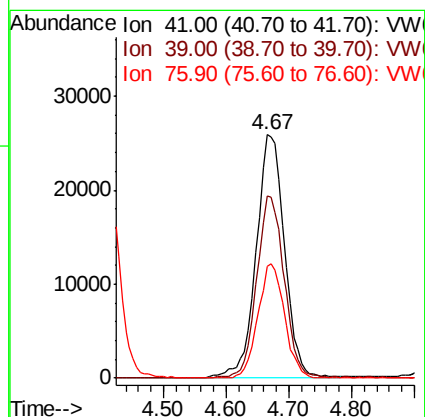
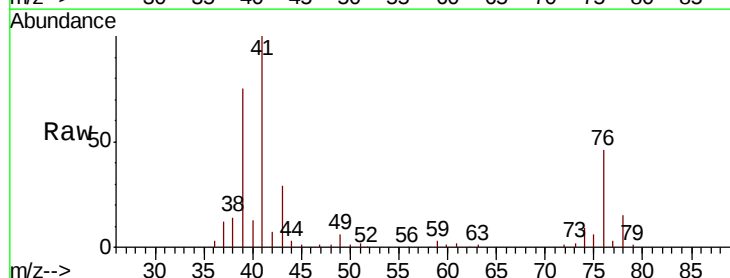
Tgt Ion: 41 Resp: 81269

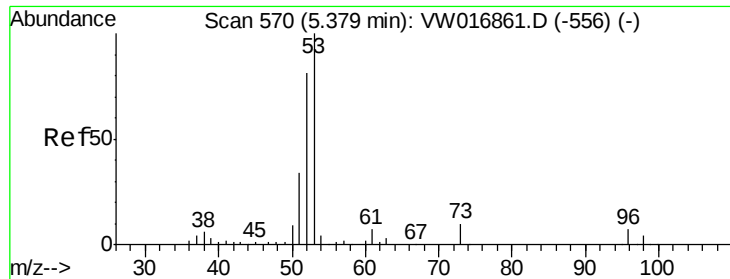
Ion Ratio Lower Upper

41 100

39 72.5 57.8 86.8

76 43.7 35.1 52.7





#15

Acrylonitrile

Concen: 108.605 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW016884.D

Acq: 12 Oct 2020 16:14

Instrument :

MSVOA_W

ClientSampleId :

VW1013SBS01

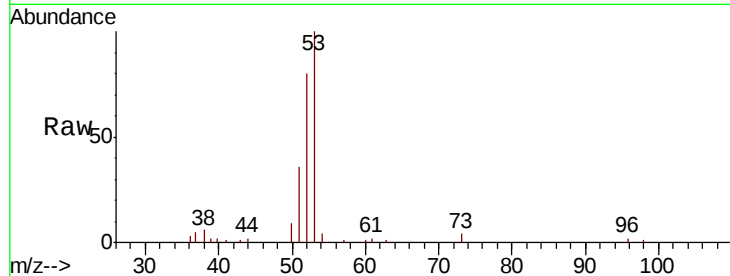
Tot Ion: 53 Resp: 56897

Ion Ratio Lower Upper

53 100

52 83.0 65.0 97.4

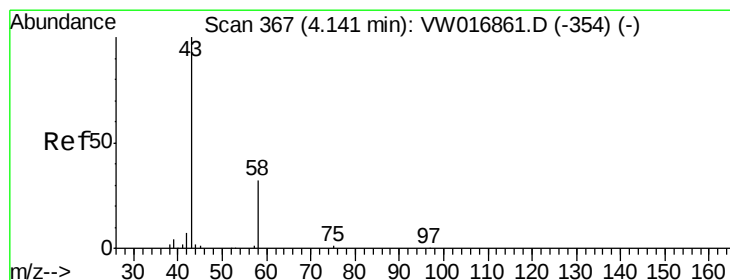
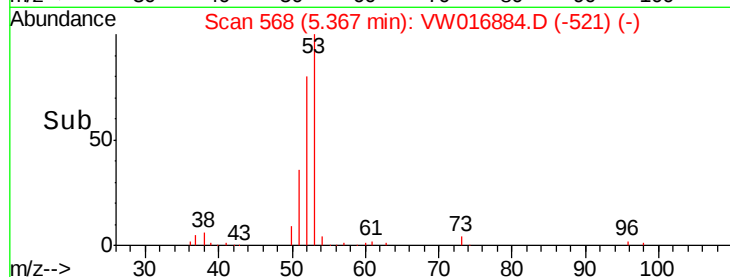
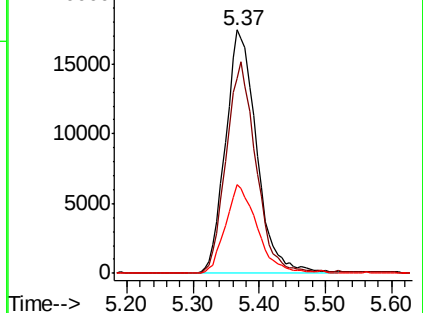
51 37.0 29.1 43.7



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 98.181 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW016884.D

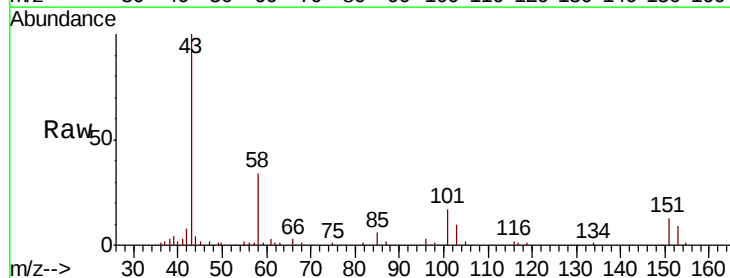
Acq: 12 Oct 2020 16:14

Tgt Ion: 43 Resp: 51764

Ion Ratio Lower Upper

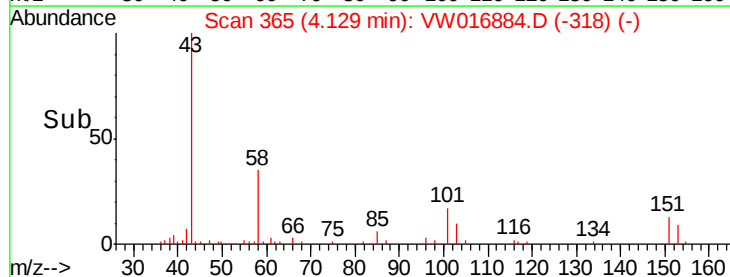
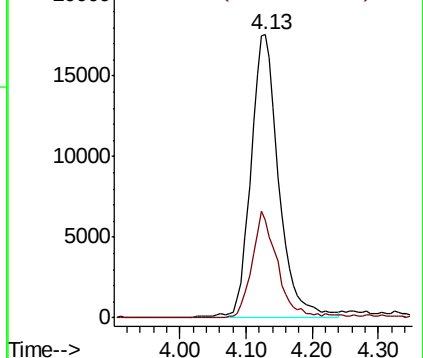
43 100

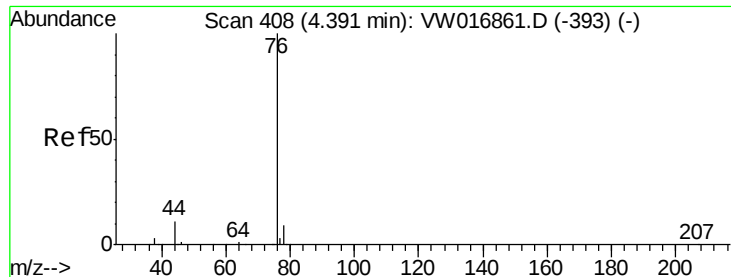
58 34.3 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 20.218 ug/l

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW016884.D

Acq: 12 Oct 2020 16:14

Instrument :

MSVOA_W

ClientSampleId :

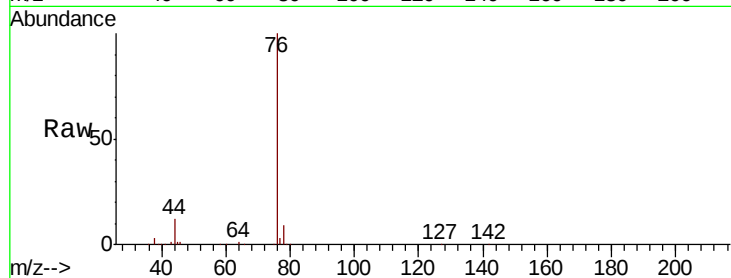
VW1013SBSD01

Tot Ion: 76 Resp: 180152

Ion Ratio Lower Upper

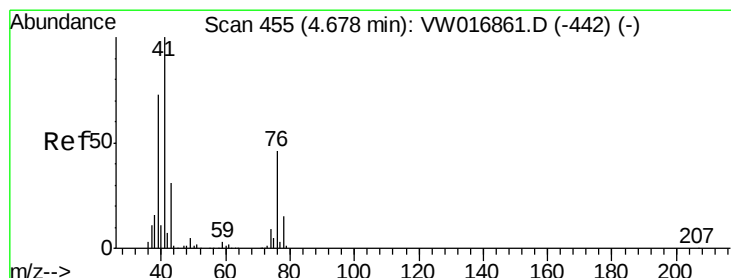
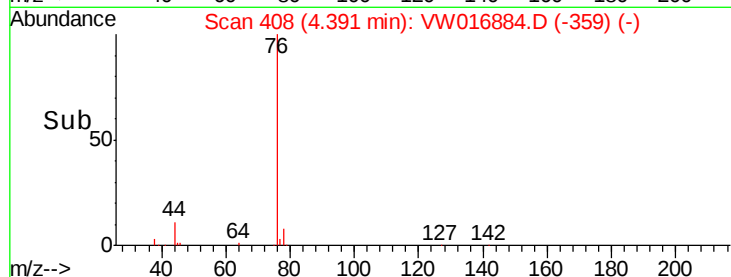
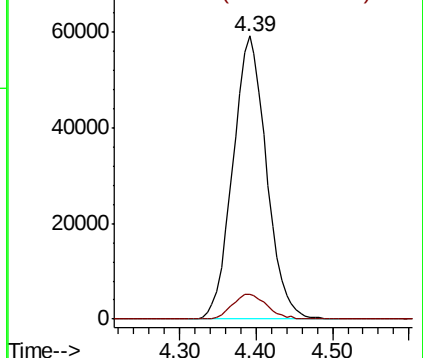
76 100

78 8.8 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 22.483 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW016884.D

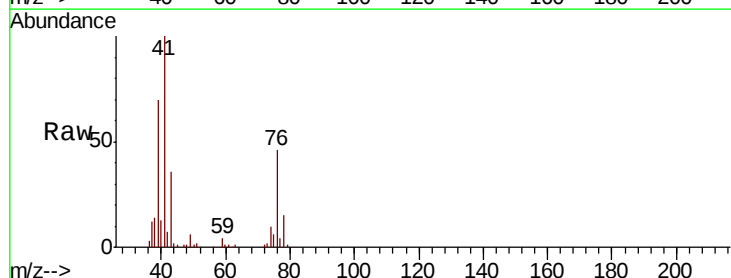
Acq: 12 Oct 2020 16:14

Tgt Ion: 43 Resp: 27188

Ion Ratio Lower Upper

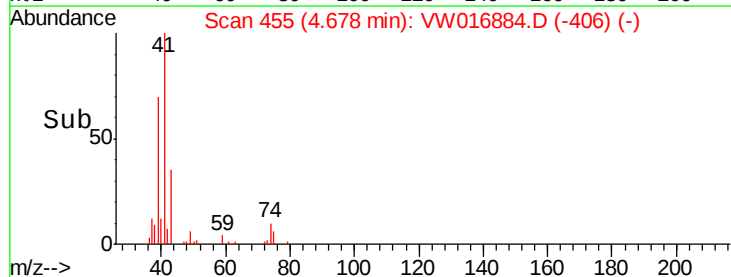
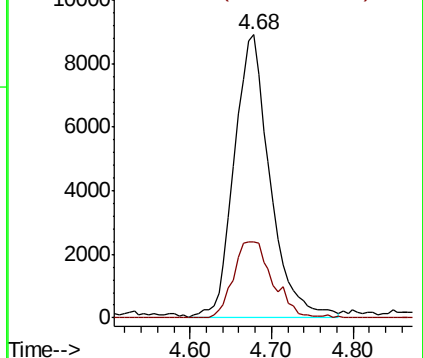
43 100

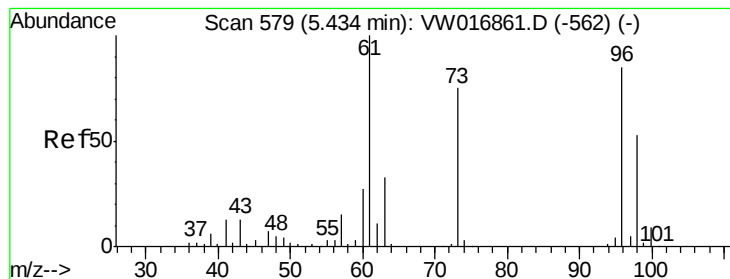
74 29.2 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



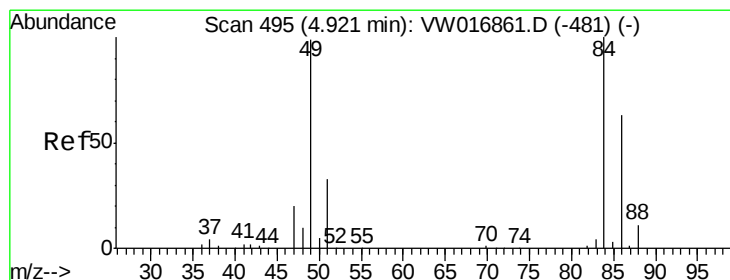
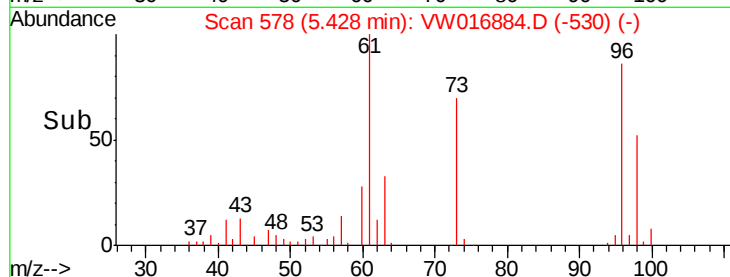
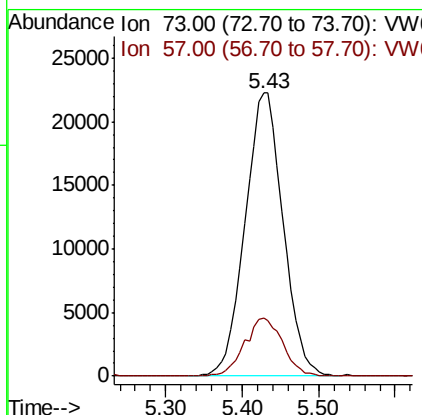
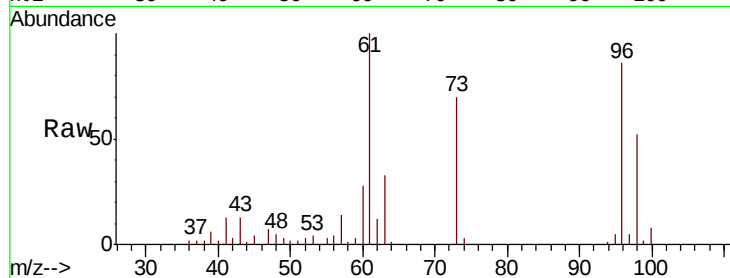


#19

Methyl tert-butyl Ether
 Concen: 21.326 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: VW016884.D
 Acq: 12 Oct 2020 16:14

Instrument :
 MSVOA_W
 ClientSampleID :
 VW1013SBSD01

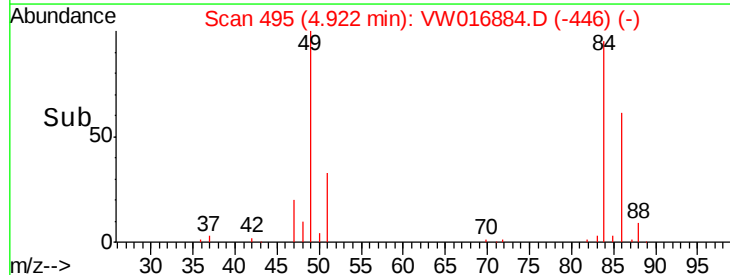
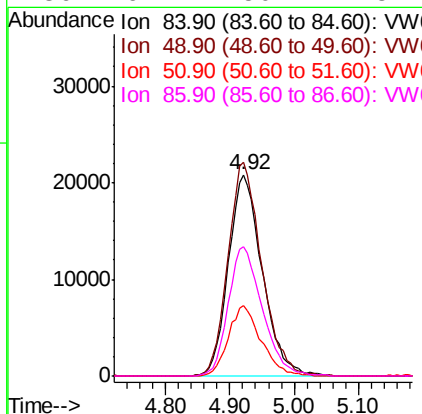
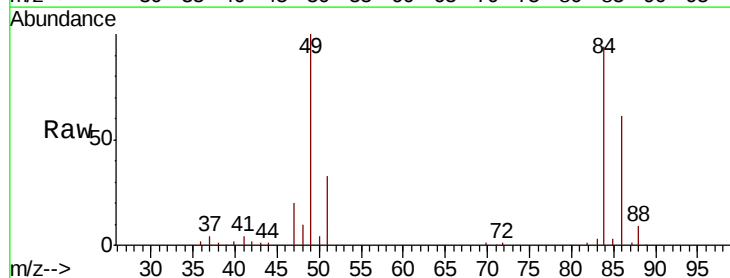
Tot Ion: 73 Resp: 76977
 Ion Ratio Lower Upper
 73 100
 57 20.4 16.1 24.1

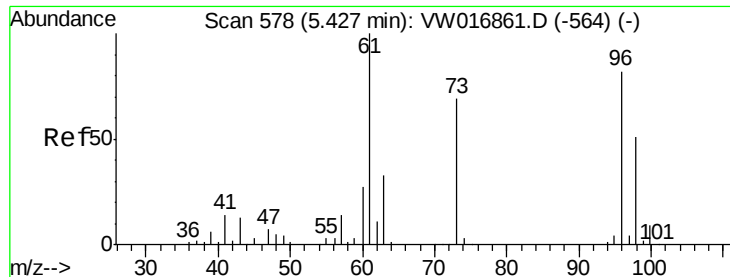


#20

Methylene Chloride
 Concen: 18.597 ug/l
 RT: 4.92 min Scan# 495
 Delta R.T. 0.00 min
 Lab File: VW016884.D
 Acq: 12 Oct 2020 16:14

Tgt Ion: 84 Resp: 76353
 Ion Ratio Lower Upper
 84 100
 49 106.1 79.0 118.6
 51 35.1 26.1 39.1
 86 64.4 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 20.938 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW016884.D

Acq: 12 Oct 2020 16:14

Instrument :

MSVOA_W

ClientSampleId :

VW1013SBSD01

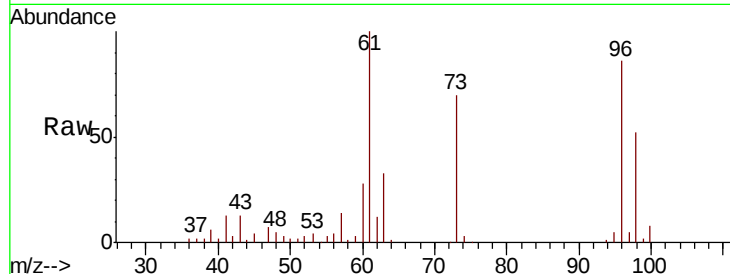
Tot Ion: 96 Resp: 78723

Ion Ratio Lower Upper

96 100

61 116.7 97.4 146.0

98 60.9 49.4 74.0

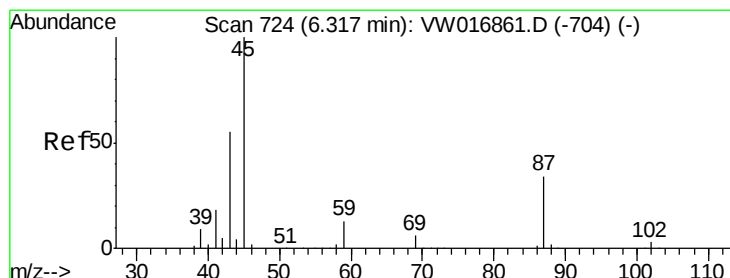
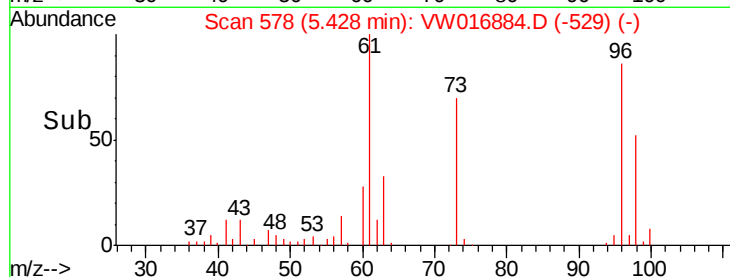
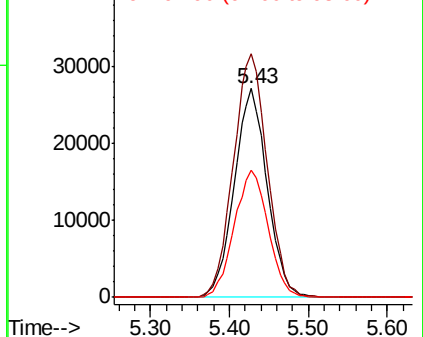


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 21.150 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW016884.D

Acq: 12 Oct 2020 16:14

Tgt Ion: 45 Resp: 154103

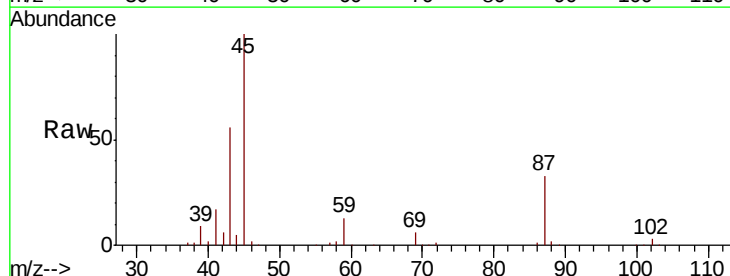
Ion Ratio Lower Upper

45 100

43 56.0 43.8 65.8

87 33.3 27.6 41.4

59 12.9 10.8 16.2



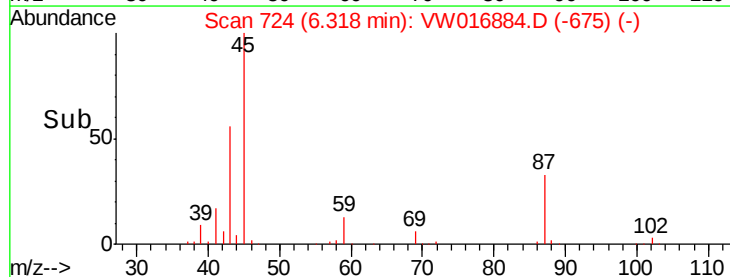
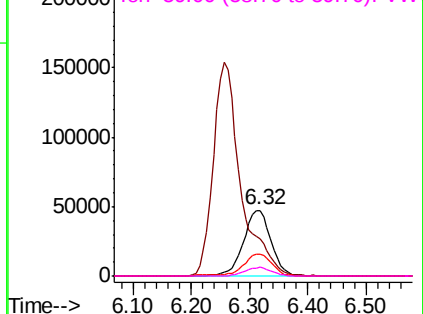
Abundance

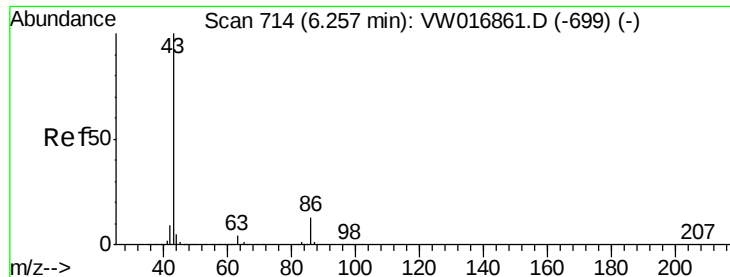
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW

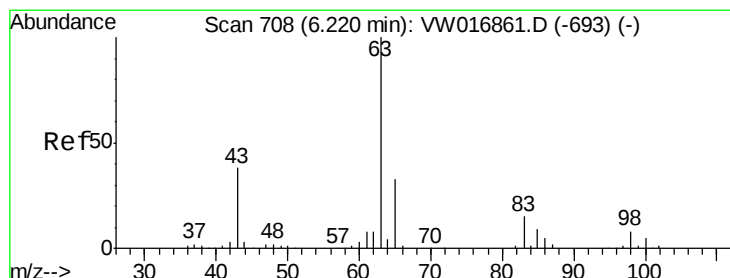
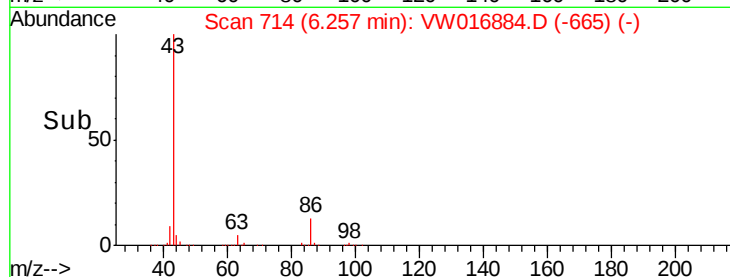
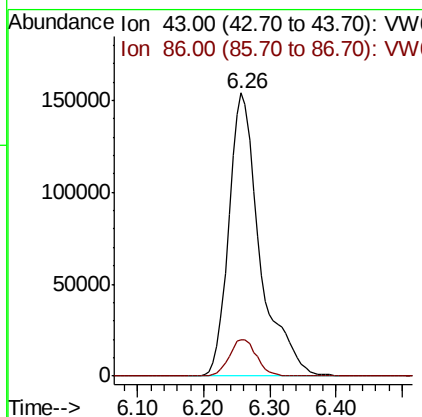
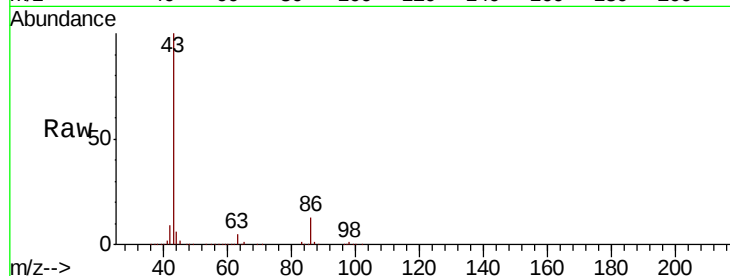




#23
 Vinyl Acetate
 Concen: 107.477 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.00 min
 Lab File: VW016884.D
 Acq: 12 Oct 2020 16:14

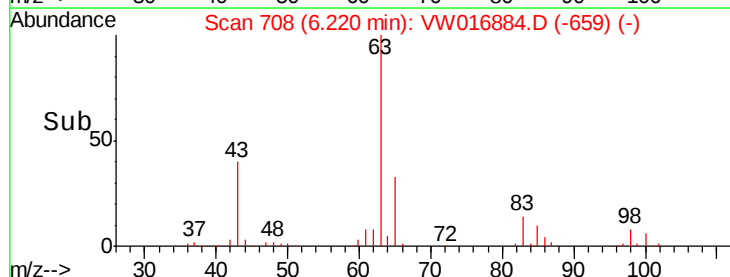
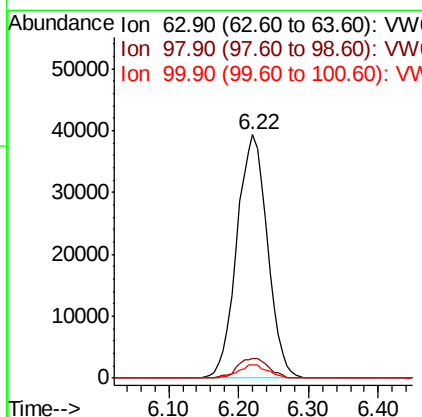
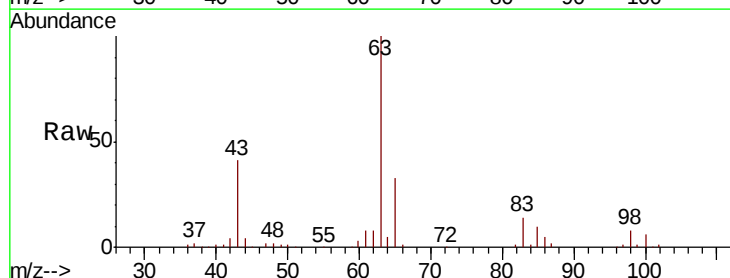
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1013SBS01

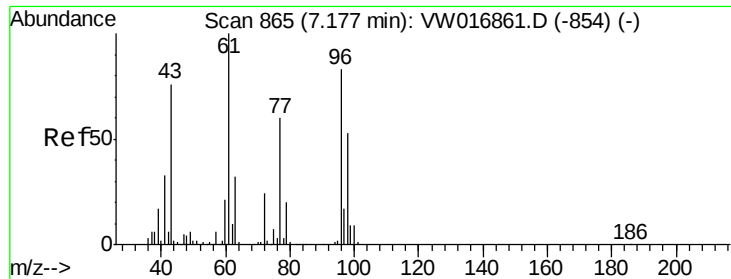
Tot Ion: 43 Resp: 501781
 Ion Ratio Lower Upper
 43 100
 86 13.0 10.2 15.4



#24
 1,1-Dichloroethane
 Concen: 20.639 ug/l
 RT: 6.22 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VW016884.D
 Acq: 12 Oct 2020 16:14

Tgt Ion: 63 Resp: 119241
 Ion Ratio Lower Upper
 63 100
 98 8.1 4.2 12.6
 100 5.5 2.6 7.8





#25

2-Butanone

Concen: 110.559 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW016884.D

Acq: 12 Oct 2020 16:14

Instrument :

MSVOA_W

ClientSampleId :

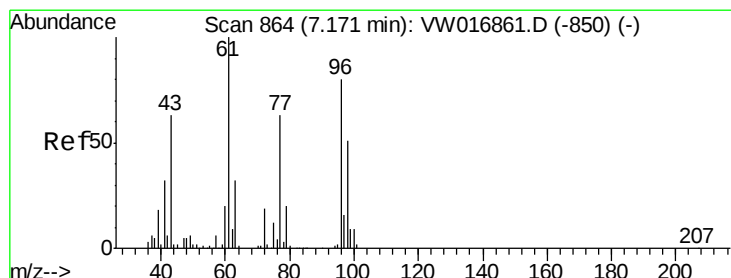
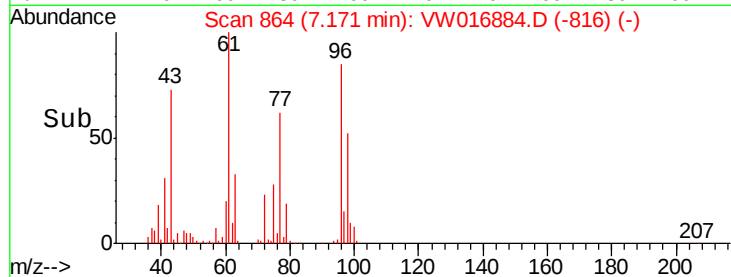
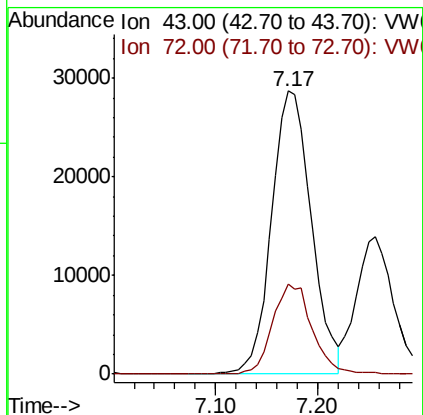
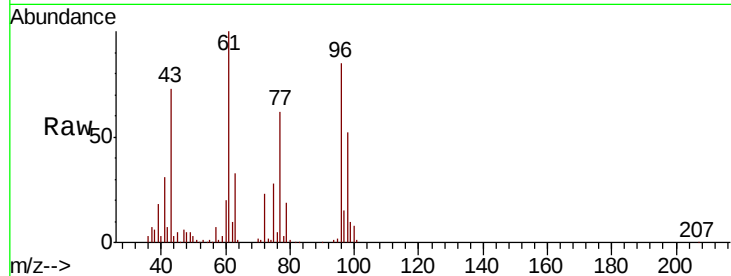
VW1013SBSD01

Tot Ion: 43 Resp: 77710

Ion Ratio Lower Upper

43 100

72 31.6 25.4 38.2



#26

2,2-Dichloropropane

Concen: 20.301 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW016884.D

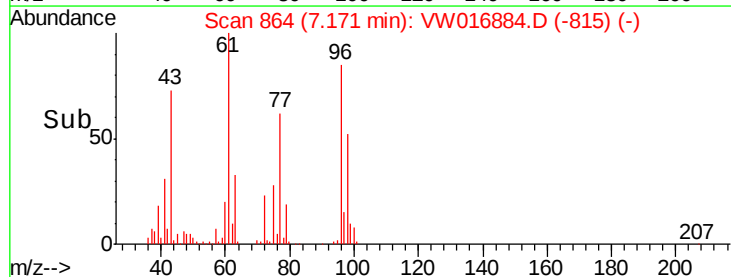
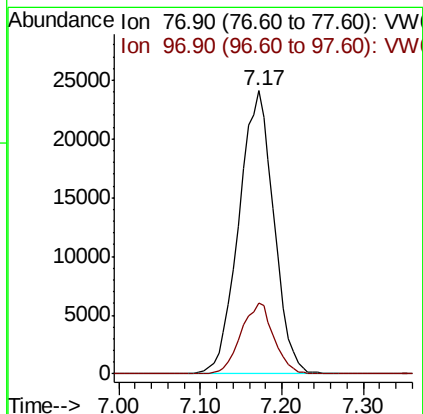
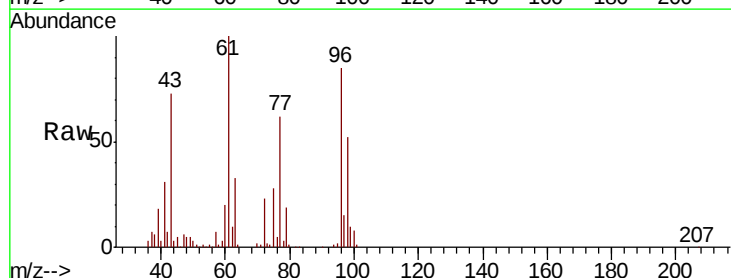
Acq: 12 Oct 2020 16:14

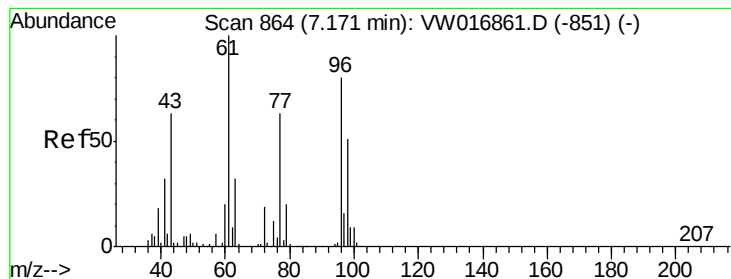
Tgt Ion: 77 Resp: 71758

Ion Ratio Lower Upper

77 100

97 23.4 12.4 37.4



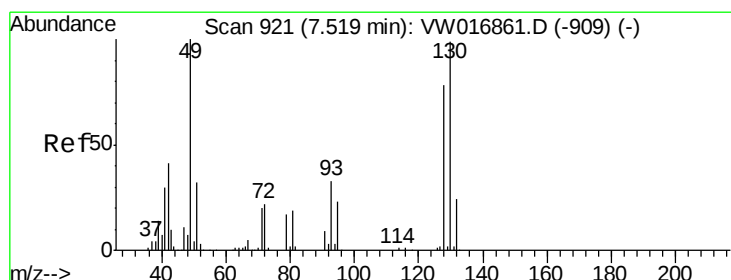
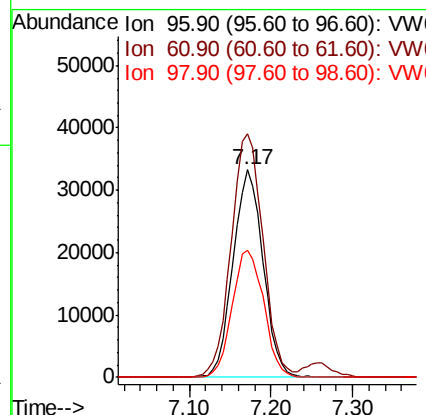
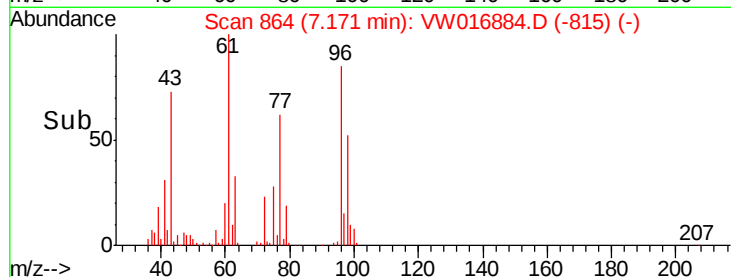
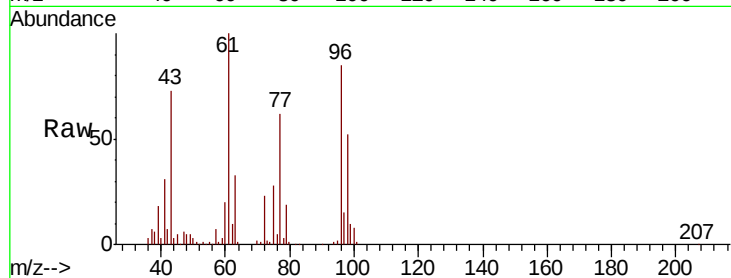


#27

cis-1,2-Dichloroethene
Concen: 21.017 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW016884.D
Acq: 12 Oct 2020 16:14

Instrument :
MSVOA_W
ClientSampleId :
VW1013SBSD01

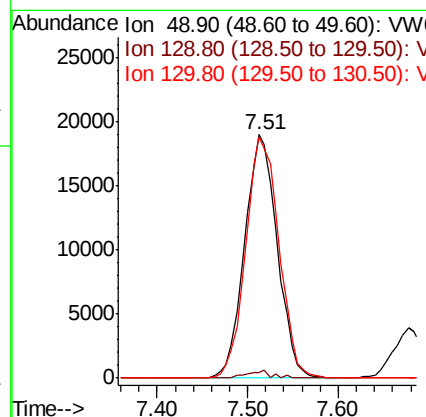
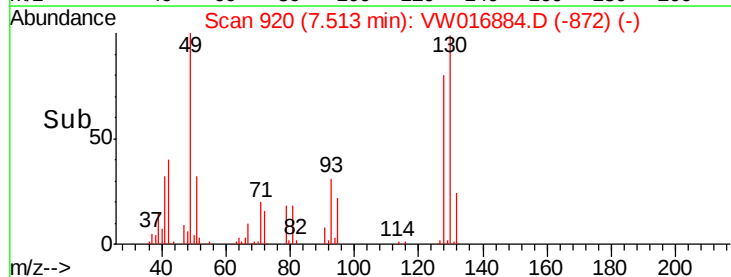
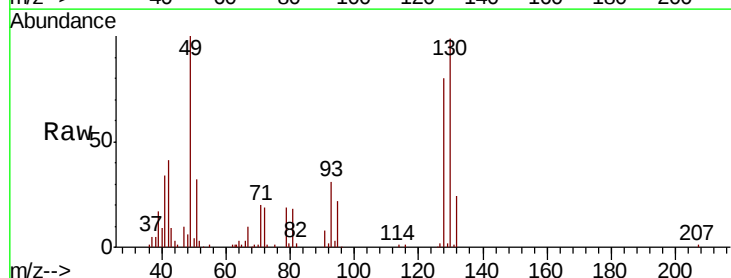
Tot Ion	Ratio	Lower	Upper
96	100		
61	124.4	0.0	249.6
98	63.9	0.0	129.4

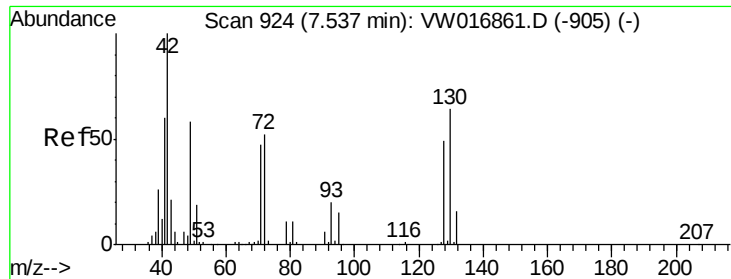


#28

Bromochloromethane
Concen: 20.428 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW016884.D
Acq: 12 Oct 2020 16:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.8
130	100.7	81.3	121.9

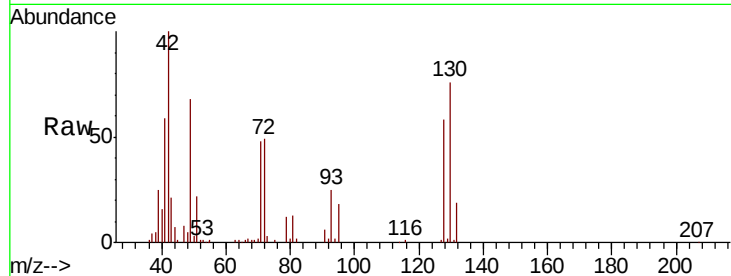




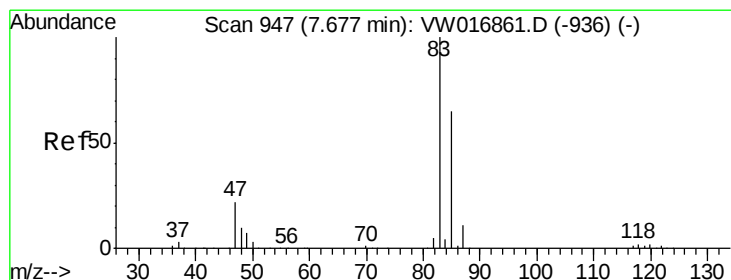
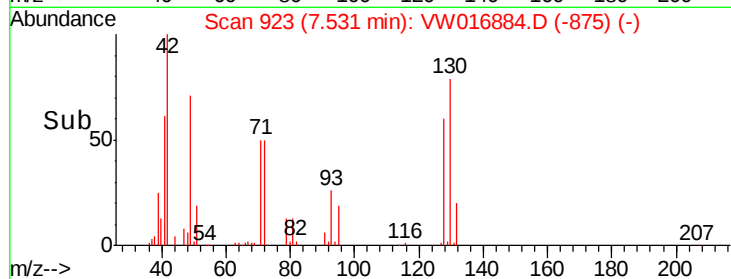
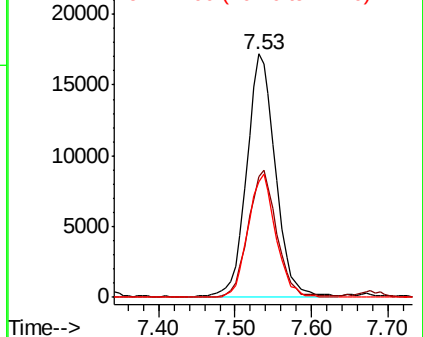
#29
Tetrahydrofuran
Concen: 114.640 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.01 min
Lab File: VW016884.D
Acq: 12 Oct 2020 16:14

Instrument :
MSVOA_W
ClientSampleId :
VW1013SBSD01

Tot Ion: 42 Resp: 45134
Ion Ratio Lower Upper
42 100
72 51.7 42.0 63.0
71 48.8 39.0 58.6

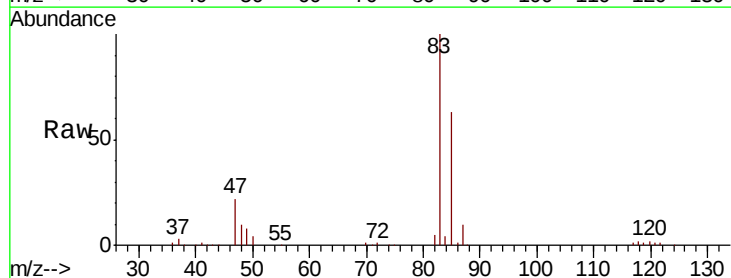


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

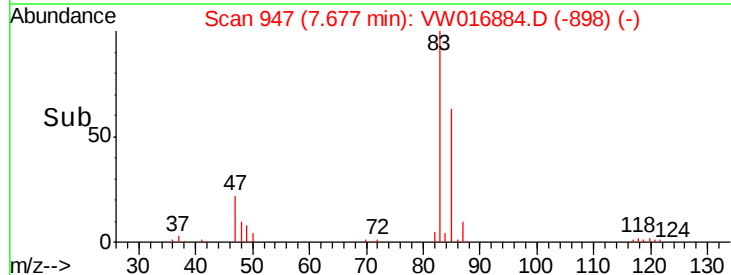
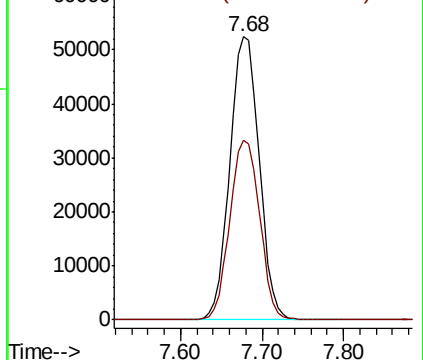


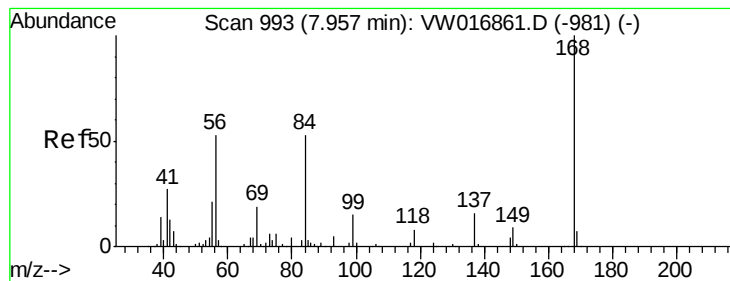
#30
Chloroform
Concen: 20.684 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW016884.D
Acq: 12 Oct 2020 16:14

Tgt Ion: 83 Resp: 129913
Ion Ratio Lower Upper
83 100
85 63.4 51.7 77.5



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





#31

Cyclohexane

Concen: 19.862 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW016884.D

Acq: 12 Oct 2020 16:14

Instrument :

MSVOA_W

ClientSampleId :

VW1013SBSD01

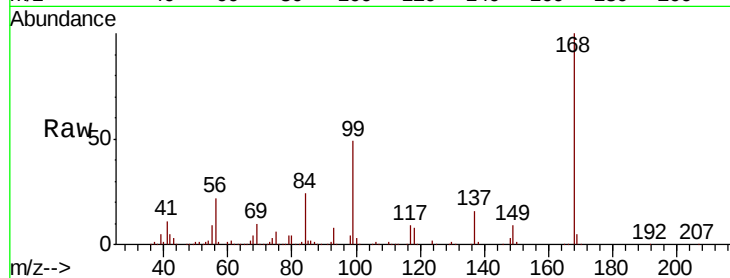
Tot Ion: 56 Resp: 97882

Ion Ratio Lower Upper

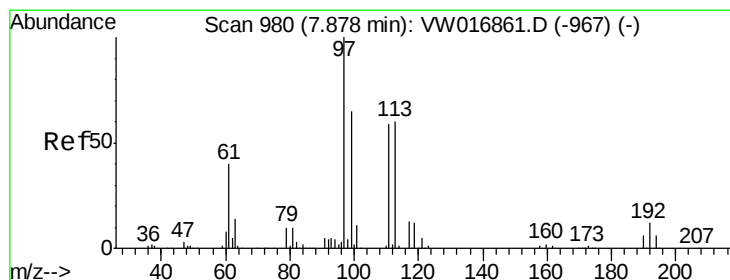
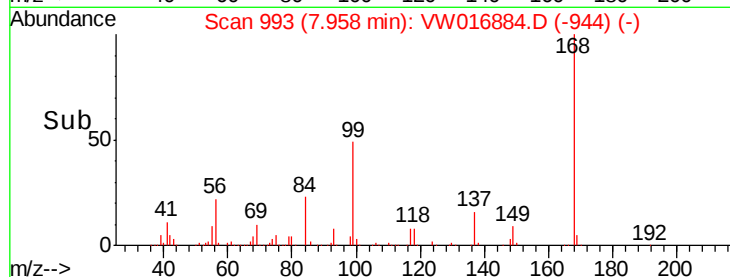
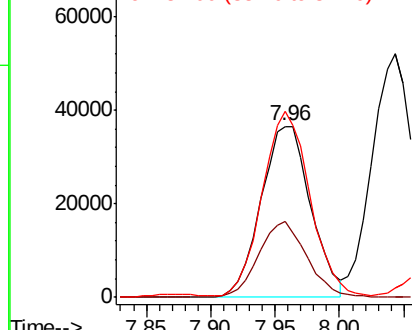
56 100

69 44.8 29.3 43.9#

84 106.9 80.5 120.7



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: 20.169 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW016884.D

Acq: 12 Oct 2020 16:14

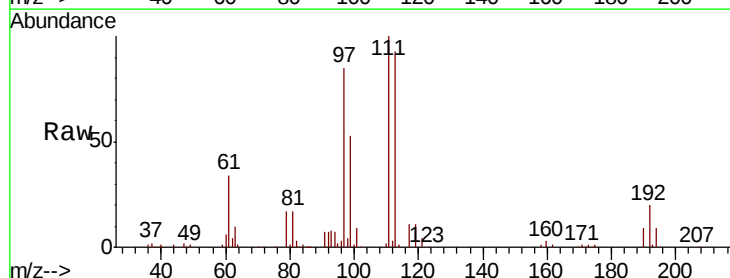
Tgt Ion: 97 Resp: 106853

Ion Ratio Lower Upper

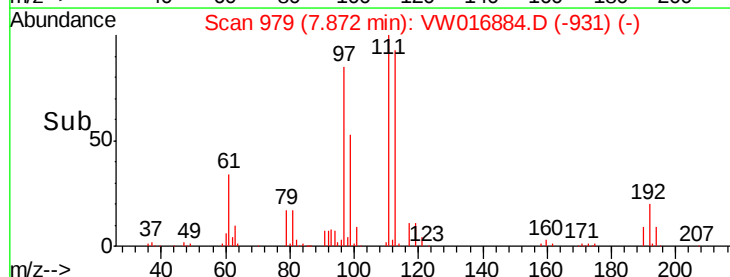
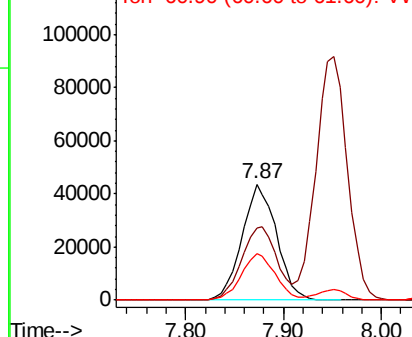
97 100

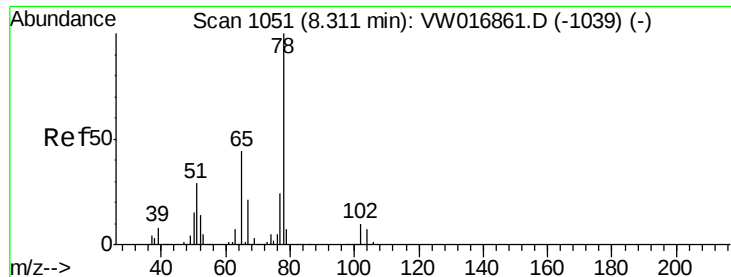
99 65.1 52.4 78.6

61 39.9 31.9 47.9



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

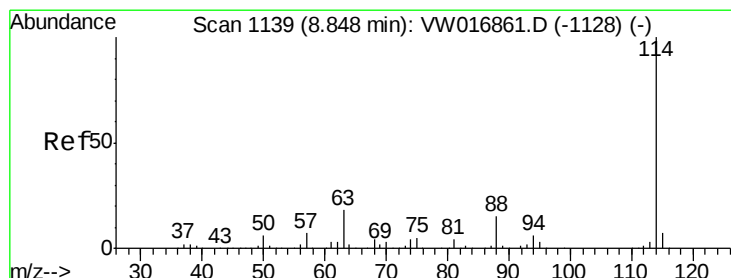
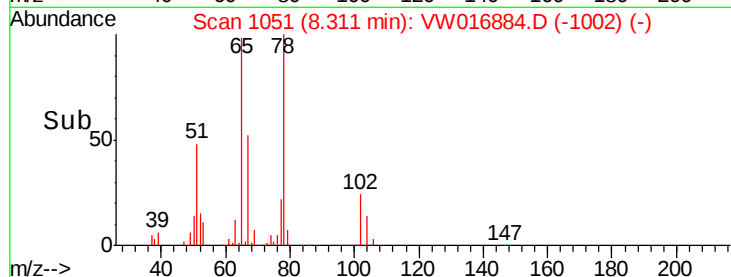
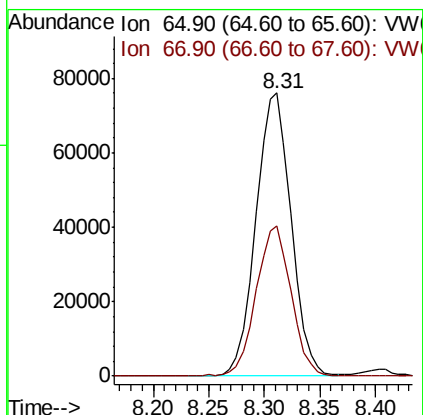
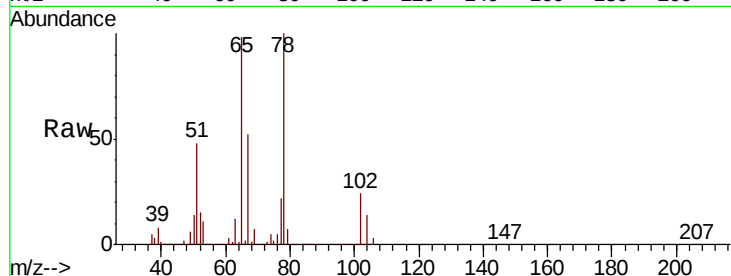




#33
 1,2-Dichloroethane-d4
 Concen: 51.413 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW016884.D
 Acq: 12 Oct 2020 16:14

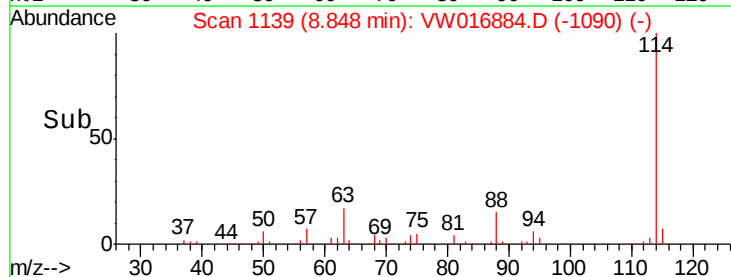
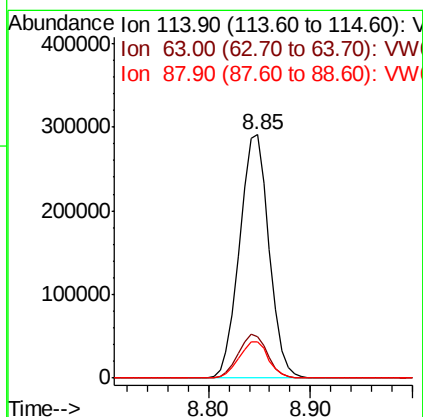
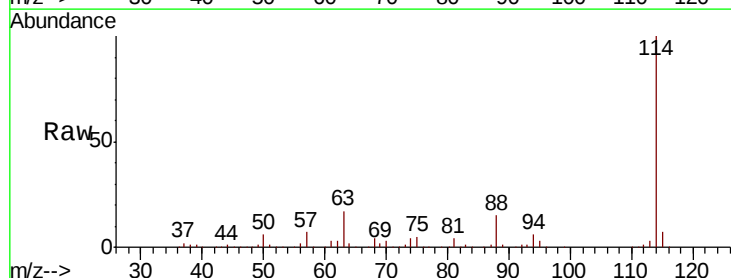
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1013SBSD01

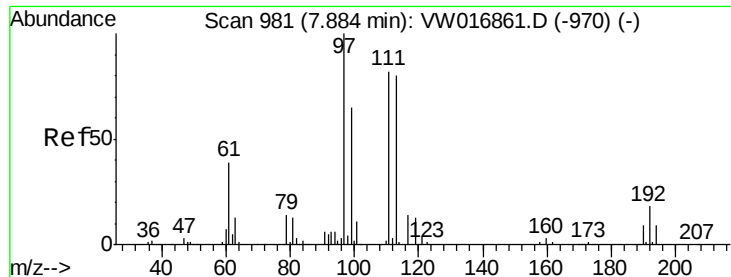
Tot Ion: 65 Resp: 167364
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW016884.D
 Acq: 12 Oct 2020 16:14

Tgt Ion: 114 Resp: 582336
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 35.6
 88 15.1 0.0 30.4

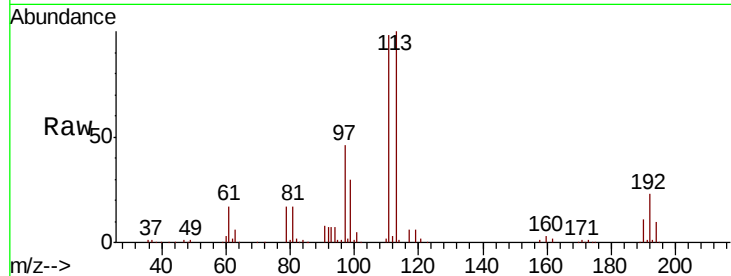




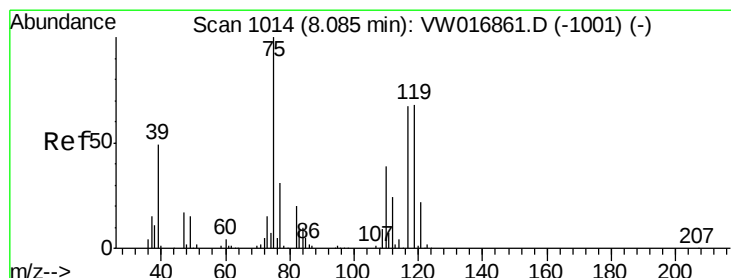
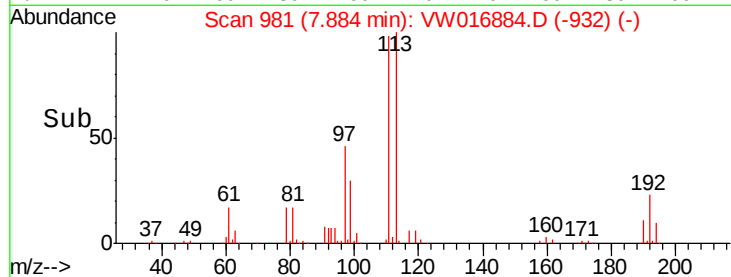
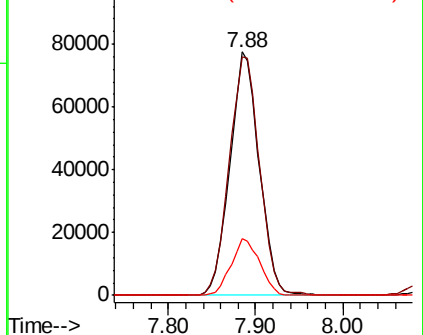
#35
 Dibromofluoromethane
 Concen: 50.460 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW016884.D
 Acq: 12 Oct 2020 16:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1013SBSD01

Tot Ion:113 Resp: 180103
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.4 122.2
 192 22.9 17.8 26.8

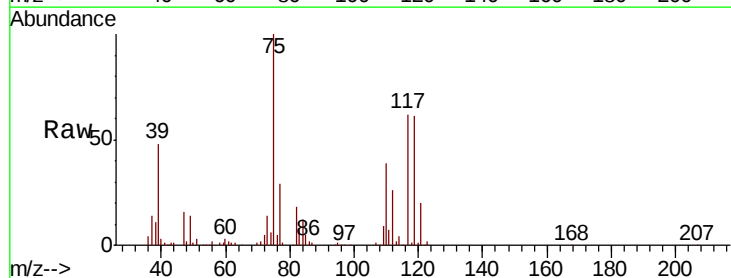


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

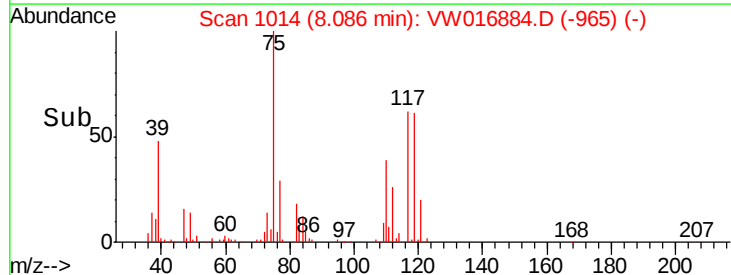
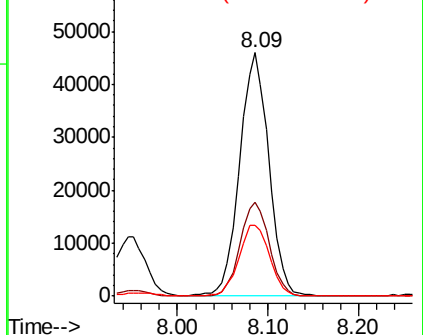


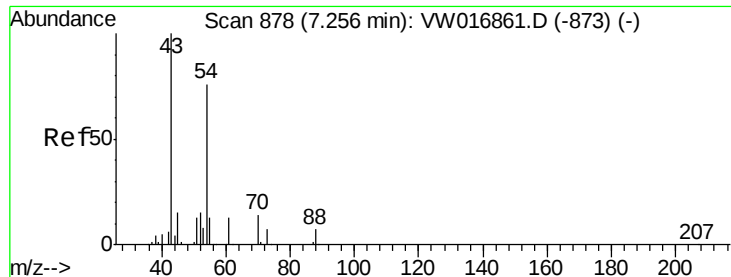
#36
 1,1-Dichloropropene
 Concen: 20.328 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW016884.D
 Acq: 12 Oct 2020 16:14

Tgt Ion: 75 Resp: 102327
 Ion Ratio Lower Upper
 75 100
 110 38.7 19.3 57.9
 77 30.9 25.0 37.6



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

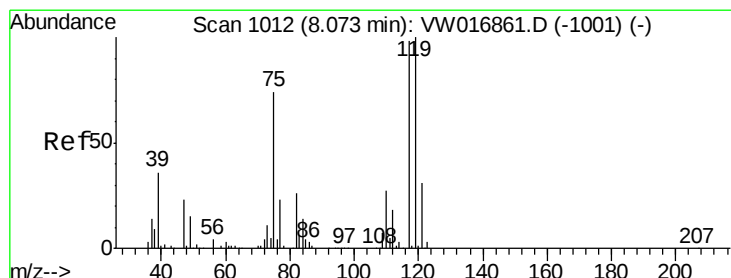
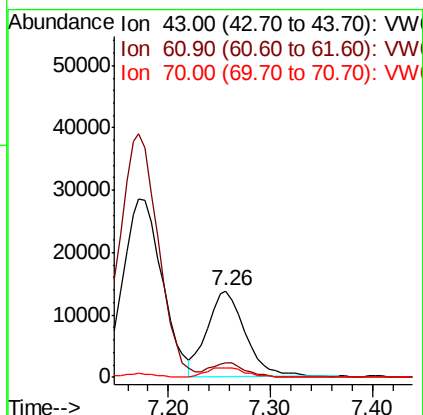
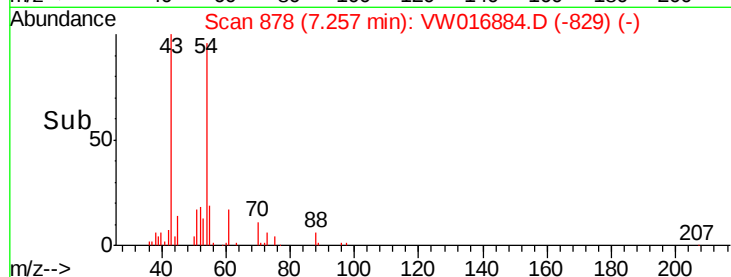
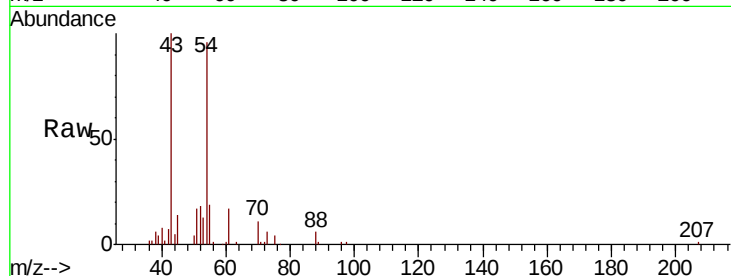




#37
Ethyl Acetate
Concen: 21.754 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW016884.D
Acq: 12 Oct 2020 16:14

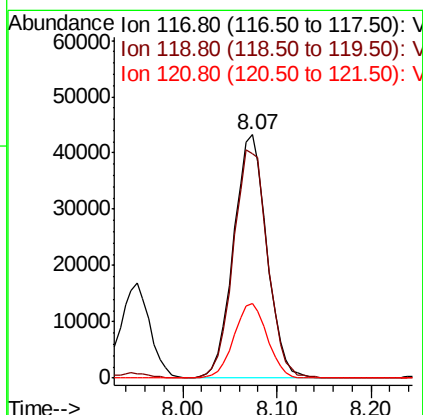
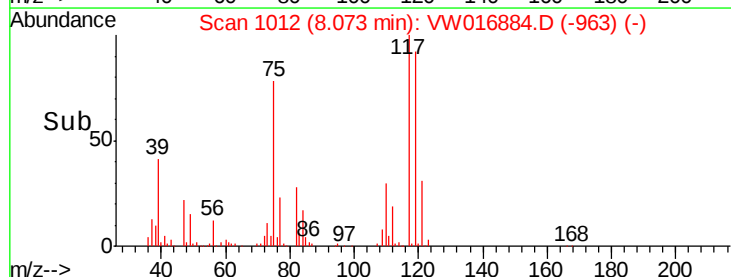
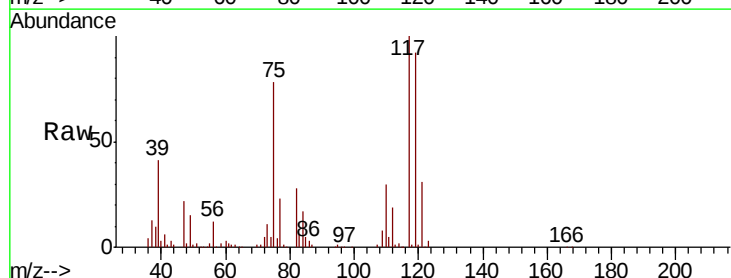
Instrument :
MSVOA_W
ClientSampleID :
VW1013SBS01

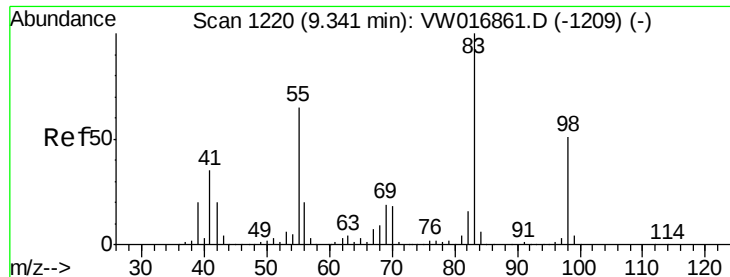
Tot Ion: 43 Resp: 35780
Ion Ratio Lower Upper
43 100
61 16.3 12.0 18.0
70 11.8 9.9 14.9



#38
Carbon Tetrachloride
Concen: 20.232 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW016884.D
Acq: 12 Oct 2020 16:14

Tgt Ion: 117 Resp: 105903
Ion Ratio Lower Upper
117 100
119 92.3 81.6 122.4
121 30.5 25.7 38.5

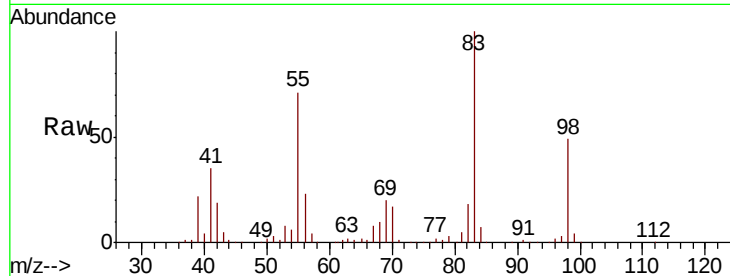




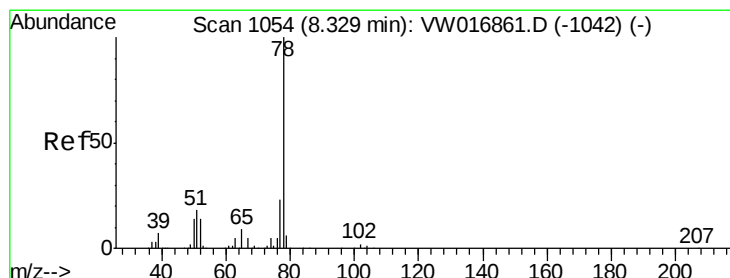
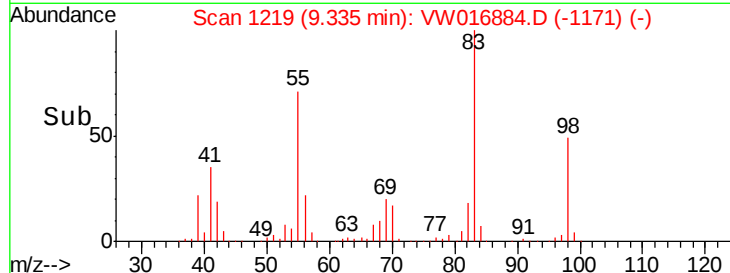
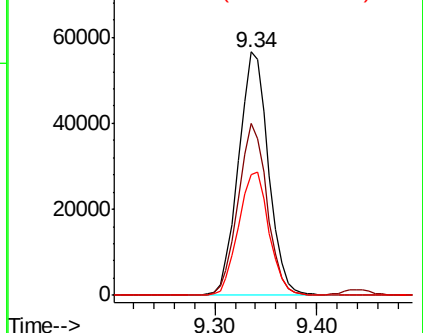
#39
Methvlcvclohexane
Concen: 20.076 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW016884.D
Acq: 12 Oct 2020 16:14

Instrument :
MSVOA_W
ClientSampleId :
VW1013SBSD01

Tot Ion: 83 Resp: 115255
Ion Ratio Lower Upper
83 100
55 70.7 51.7 77.5
98 49.4 41.0 61.4

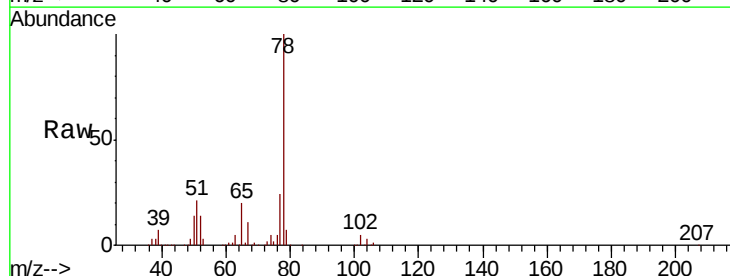


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

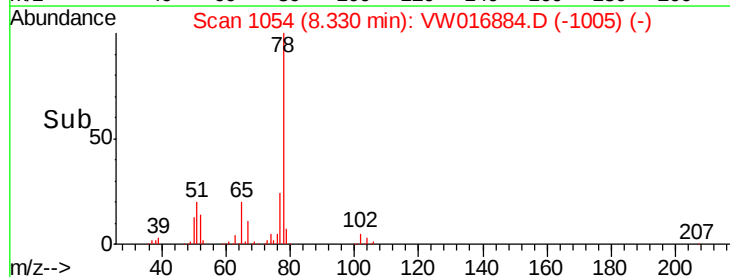
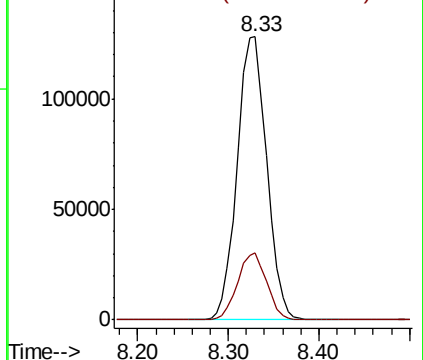


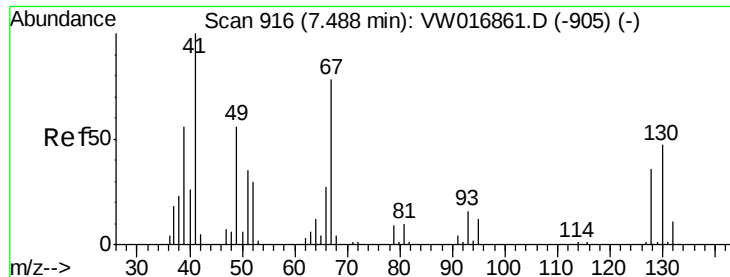
#40
Benzene
Concen: 20.640 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW016884.D
Acq: 12 Oct 2020 16:14

Tgt Ion: 78 Resp: 289512
Ion Ratio Lower Upper
78 100
77 23.8 18.5 27.7



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





#41

Methacrylonitrile

Concen: 21.259 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW016884.D

Acq: 12 Oct 2020 16:14

Instrument :

MSVOA_W

ClientSampleId :

VW1013SBSD01

Tot Ion: 41 Resp: 20720

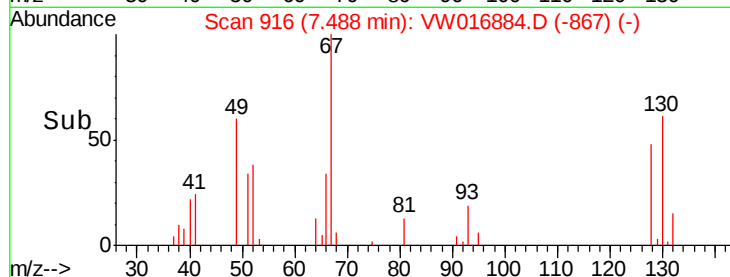
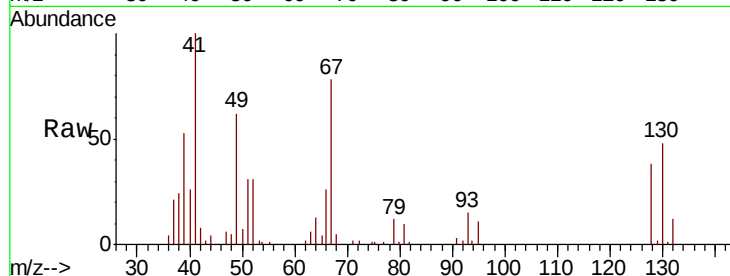
Ion Ratio Lower Upper

41 100

39 54.0 47.0 70.6

67 80.6 68.6 102.8

52 32.8 28.1 42.1

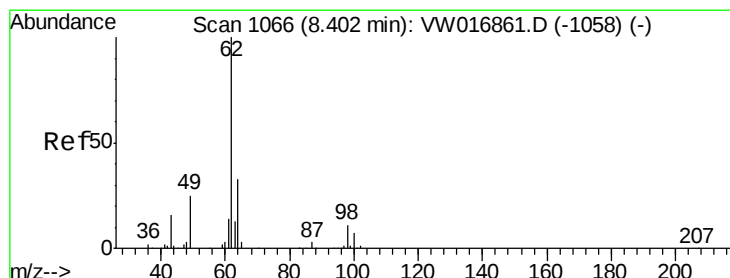
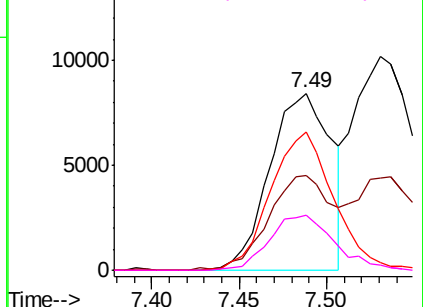


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 21.231 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW016884.D

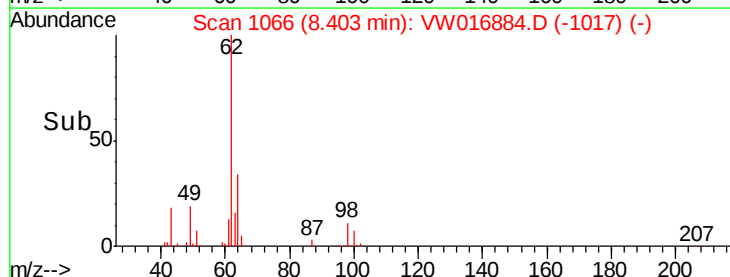
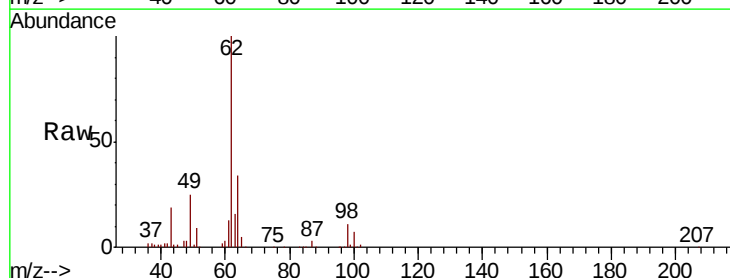
Acq: 12 Oct 2020 16:14

Tgt Ion: 62 Resp: 81463

Ion Ratio Lower Upper

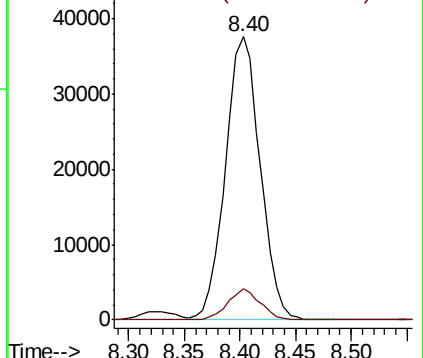
62 100

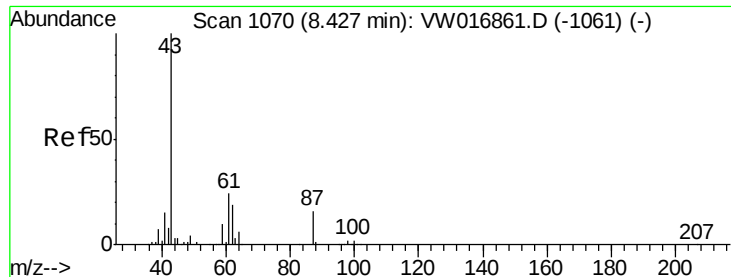
98 10.2 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 21.566 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW016884.D

Acq: 12 Oct 2020 16:14

Instrument :

MSVOA_W

ClientSampleId :

VW1013BBD01

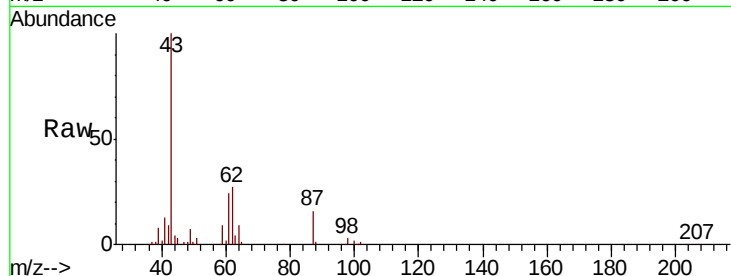
Tot Ion: 43 Resp: 67953

Ion Ratio Lower Upper

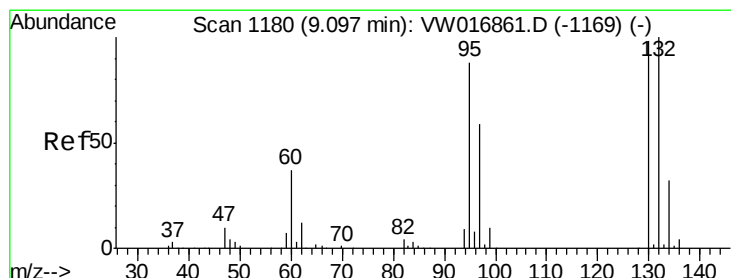
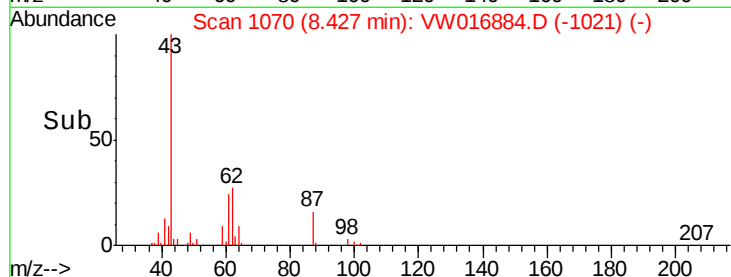
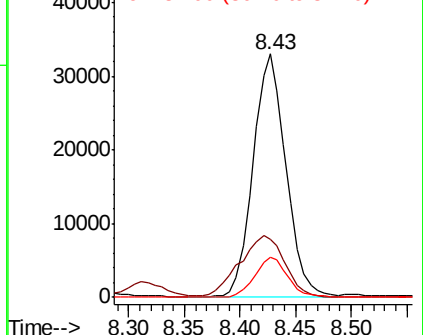
43 100

61 35.0 27.5 41.3

87 16.6 13.6 20.4



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: 19.869 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW016884.D

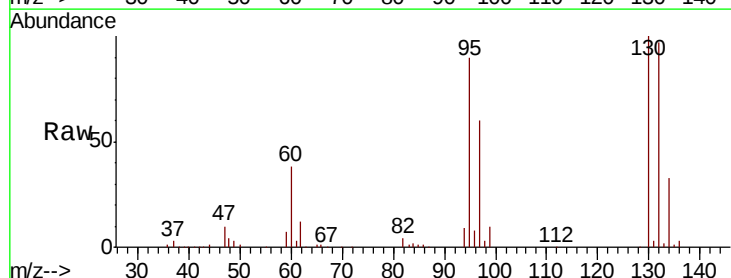
Acq: 12 Oct 2020 16:14

Tgt Ion:130 Resp: 86264

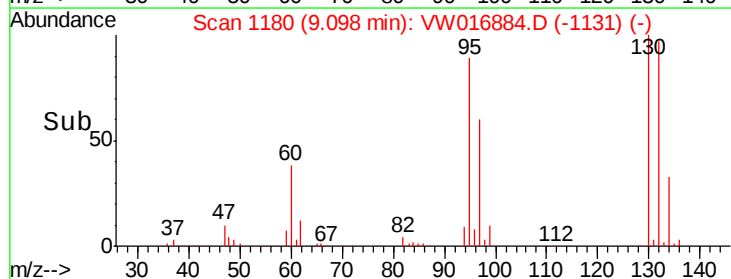
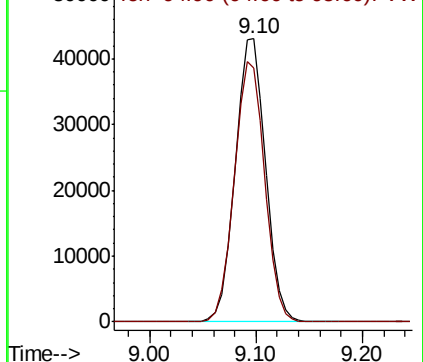
Ion Ratio Lower Upper

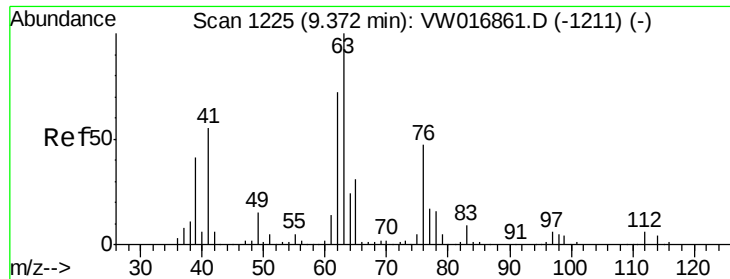
130 100

95 89.5 0.0 180.2



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

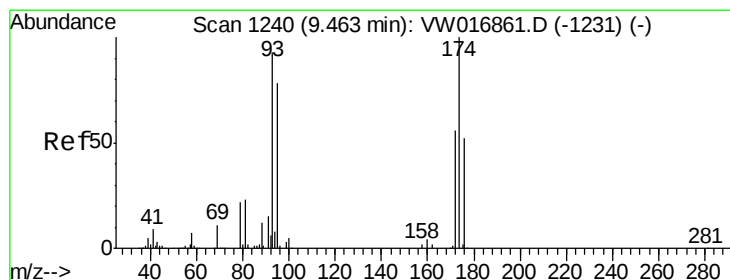
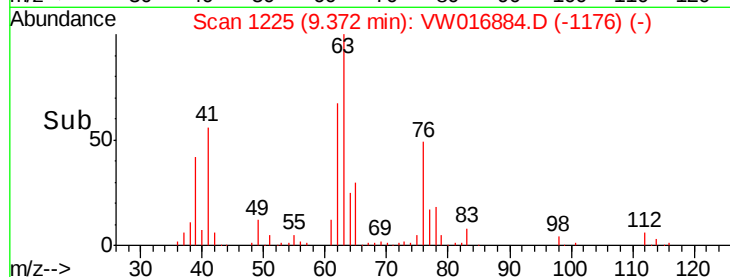
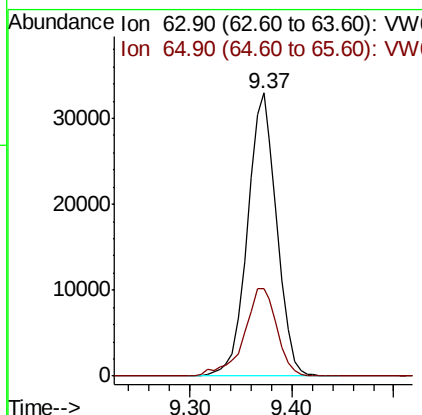
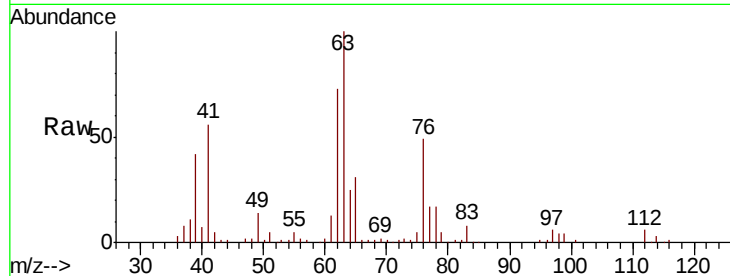




#45
 1,2-Dichloropropane
 Concen: 20.463 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016884.D
 Acq: 12 Oct 2020 16:14

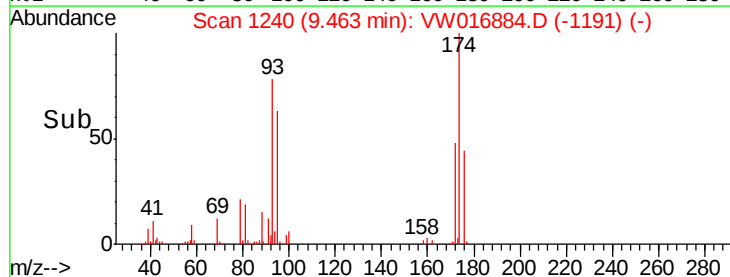
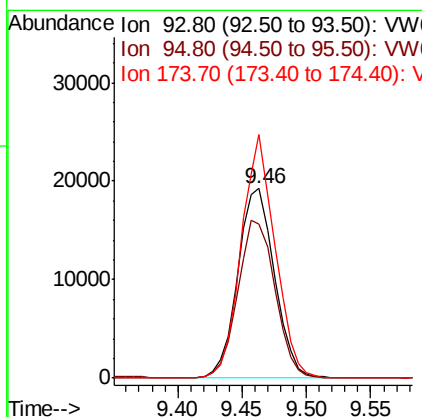
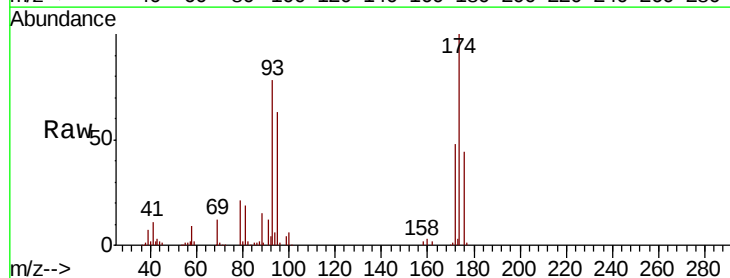
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1013SBSD01

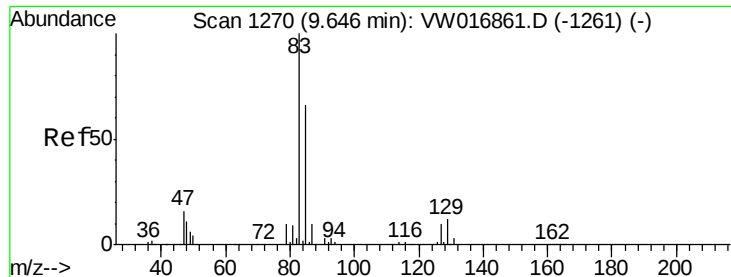
Tot Ion: 63 Resp: 65455
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.1 37.7



#46
 Dibromomethane
 Concen: 20.757 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW016884.D
 Acq: 12 Oct 2020 16:14

Tgt Ion: 93 Resp: 37978
 Ion Ratio Lower Upper
 93 100
 95 84.5 66.5 99.7
 174 117.5 91.0 136.6

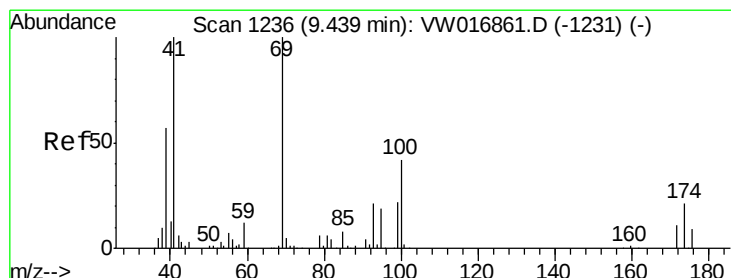
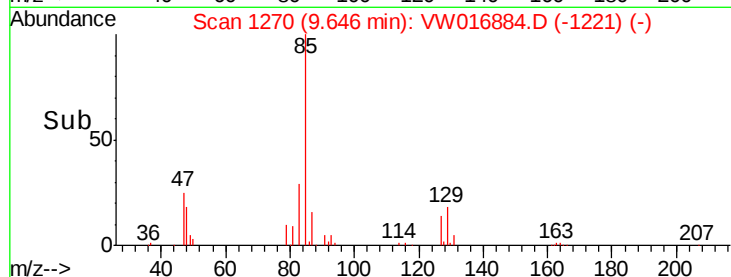
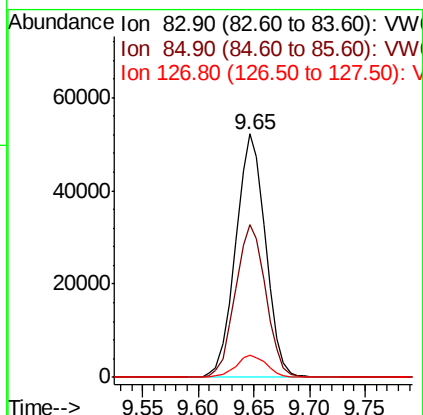
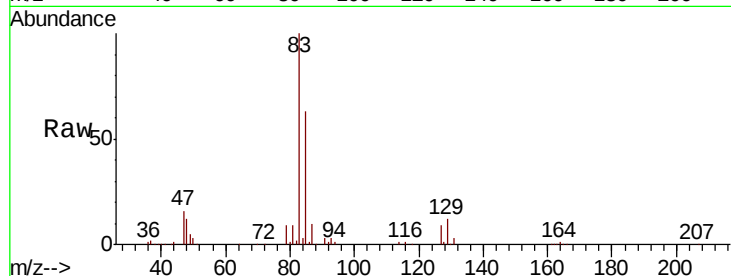




#47
Bromodichloromethane
Concen: 21.248 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW016884.D
Acq: 12 Oct 2020 16:14

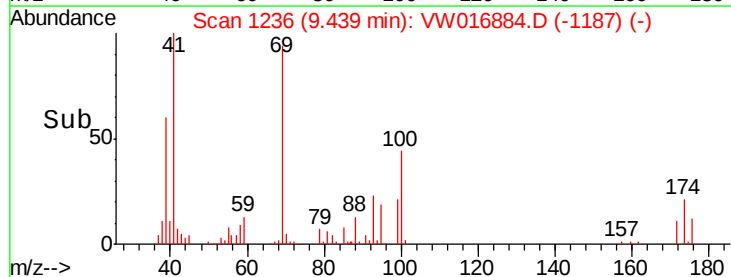
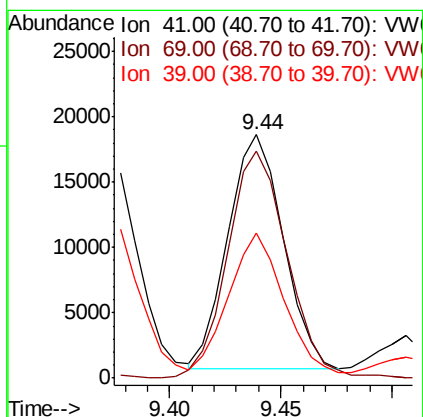
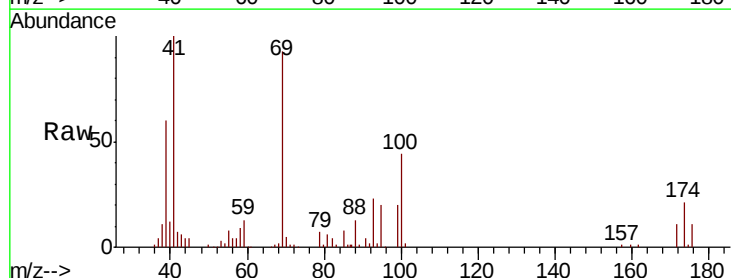
Instrument :
MSVOA_W
ClientSampled :
VW1013SBSD01

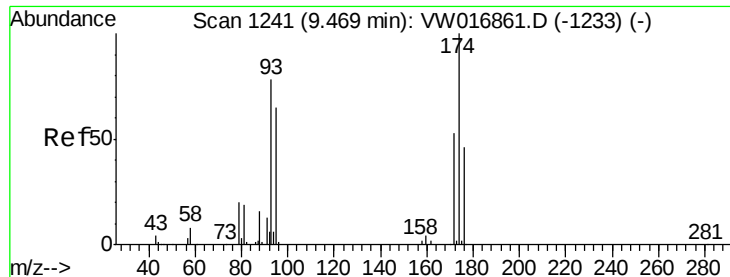
Tot Ion: 83 Resp: 96663
Ion Ratio Lower Upper
83 100
85 62.8 52.7 79.1
127 8.9 7.8 11.6



#48
Methyl methacrylate
Concen: 21.372 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW016884.D
Acq: 12 Oct 2020 16:14

Tgt Ion: 41 Resp: 31032
Ion Ratio Lower Upper
41 100
69 105.0 83.5 125.3
39 63.2 50.9 76.3





#49

1,4-Dioxane

Concen: 439.387 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VW016884.D

Acq: 12 Oct 2020 16:14

Instrument :

MSVOA_W

ClientSampleId :

VW1013BSD01

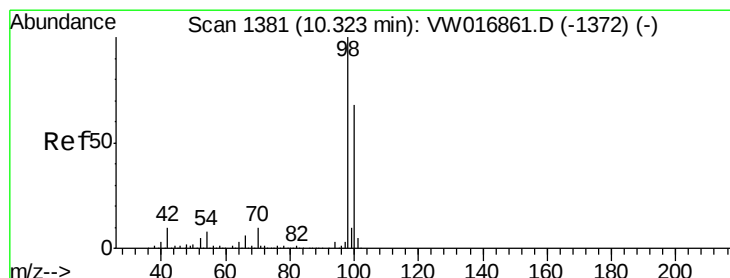
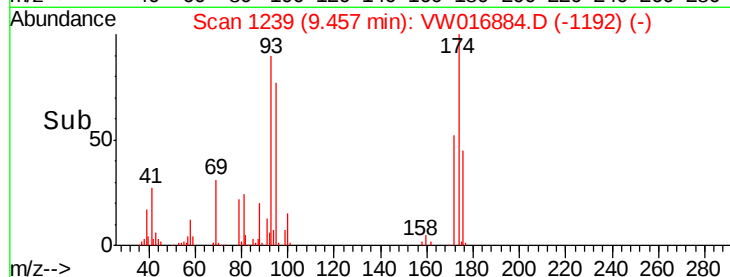
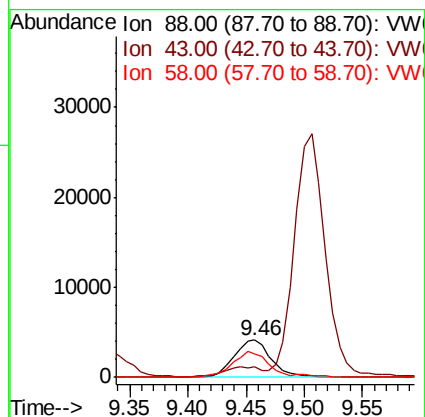
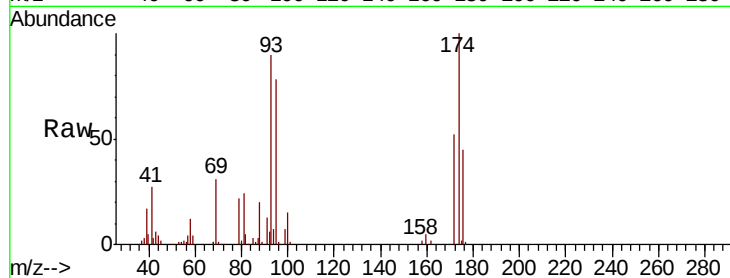
Tot Ion: 88 Resp: 9247

Ion Ratio Lower Upper

88 100

43 27.2 0.0 0.0#

58 68.8 54.0 81.0



#50

Toluene-d8

Concen: 50.392 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW016884.D

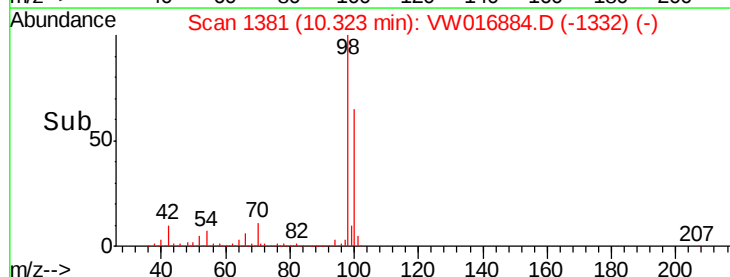
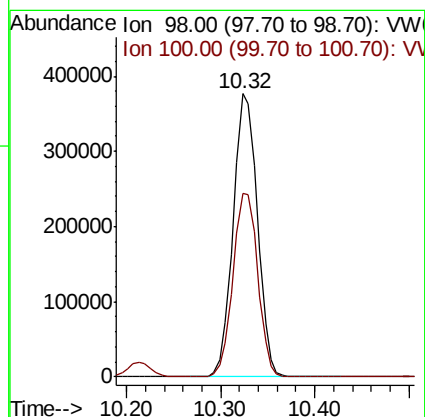
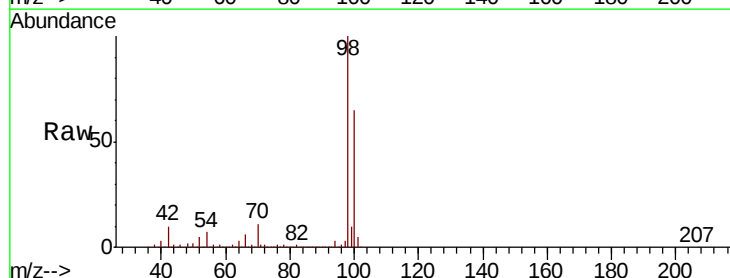
Acq: 12 Oct 2020 16:14

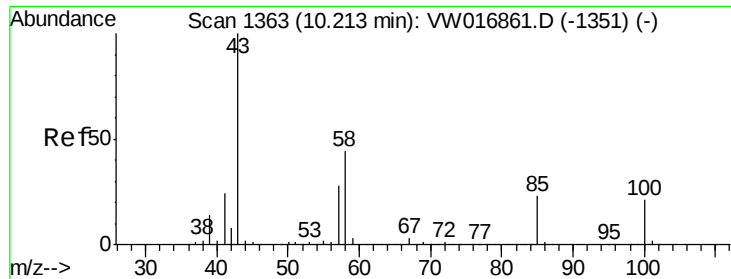
Tgt Ion: 98 Resp: 674400

Ion Ratio Lower Upper

98 100

100 66.2 53.3 79.9





#51

4-Methyl-2-Pentanone

Concen: 107.270 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016884.D

Acq: 12 Oct 2020 16:14

Instrument :

MSVOA_W

ClientSampleId :

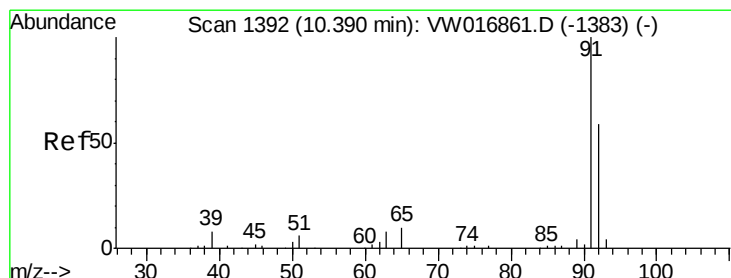
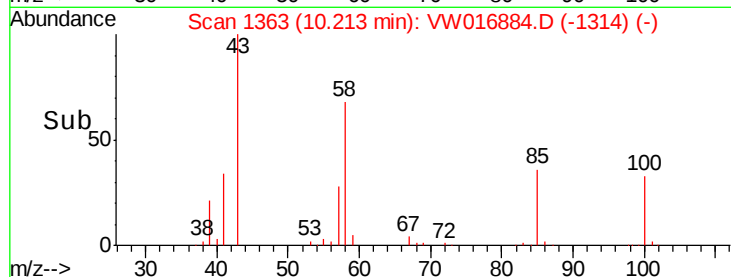
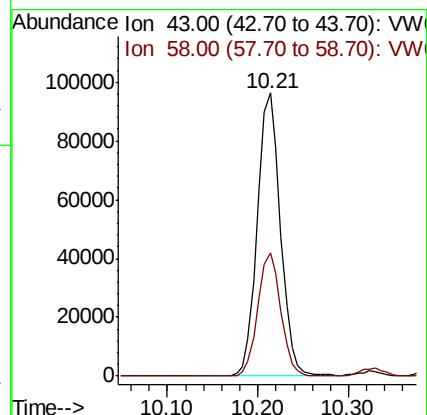
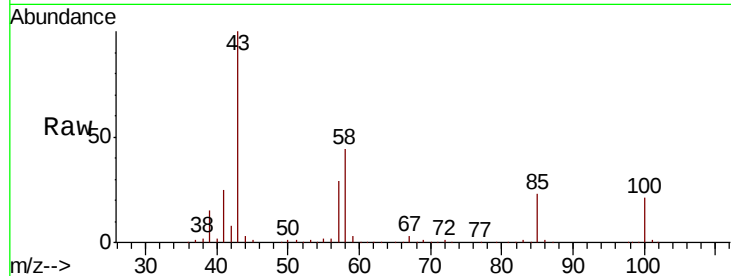
VW1013SBSD01

Tot Ion: 43 Resp: 170990

Ion Ratio Lower Upper

43 100

58 43.4 34.7 52.1



#52

Toluene

Concen: 20.611 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016884.D

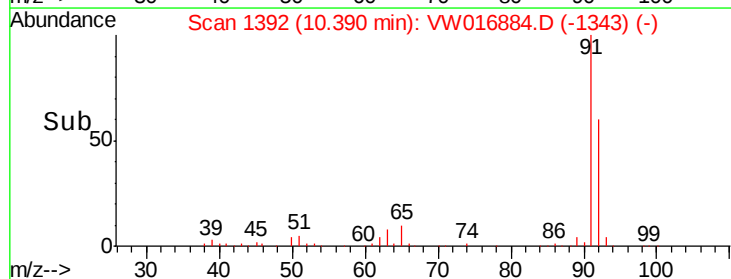
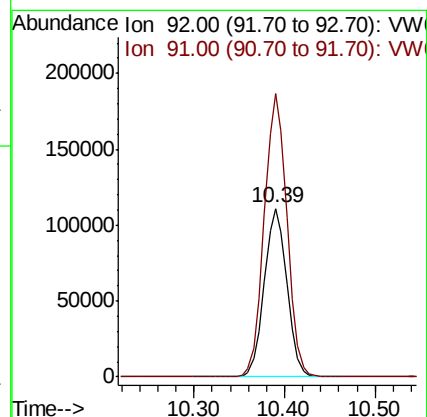
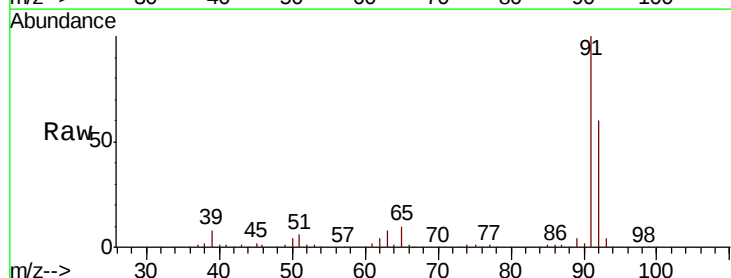
Acq: 12 Oct 2020 16:14

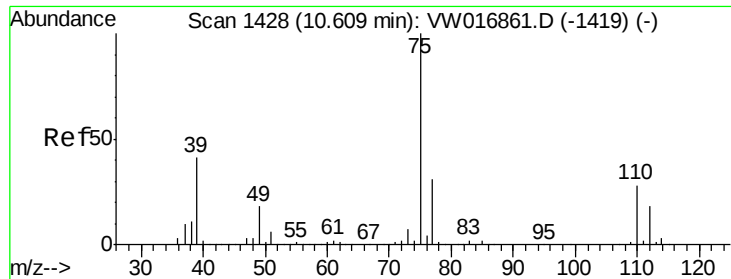
Tgt Ion: 92 Resp: 191110

Ion Ratio Lower Upper

92 100

91 168.8 134.7 202.1

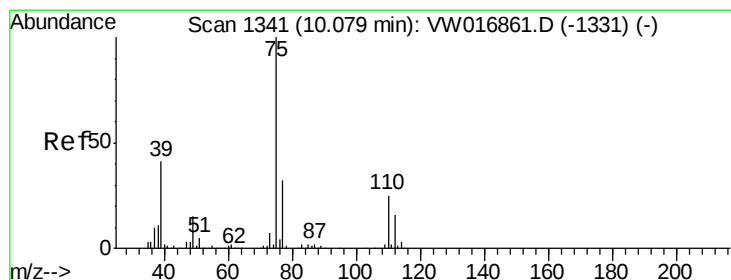
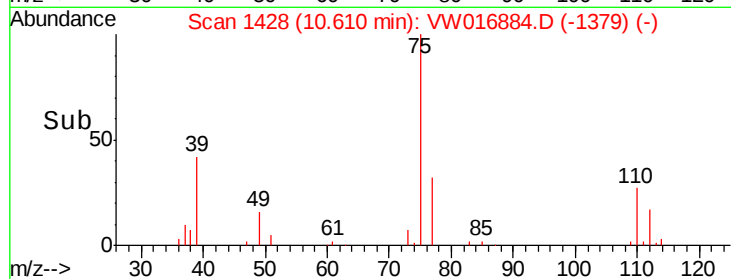
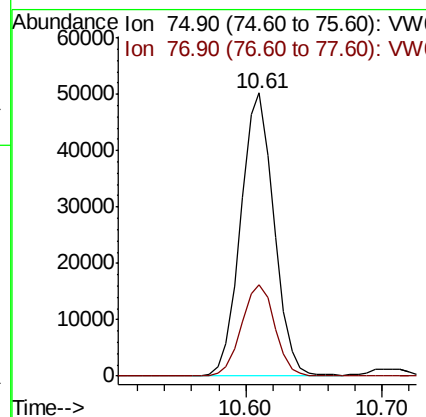
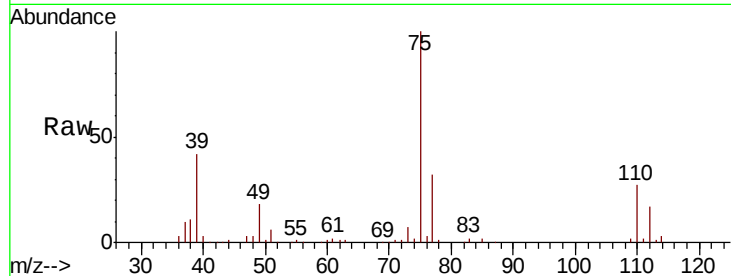




#53
 t-1,3-Dichloropropene
 Concen: 20.714 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW016884.D
 Acq: 12 Oct 2020 16:14

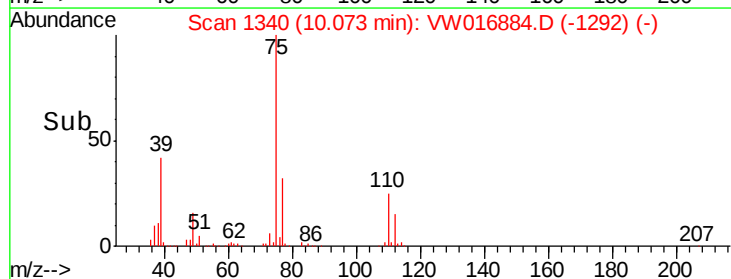
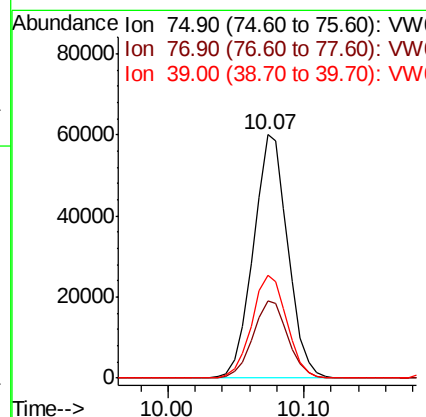
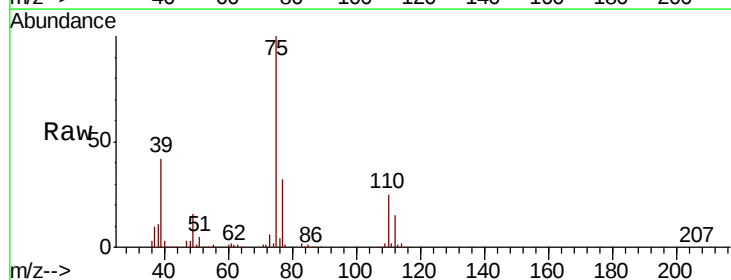
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1013SBSD01

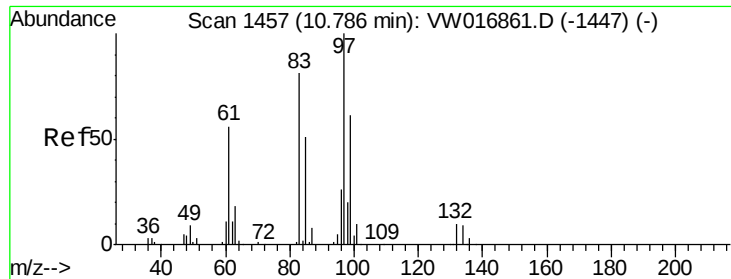
Tot Ion: 75 Resp: 85785
 Ion Ratio Lower Upper
 75 100
 77 32.3 24.8 37.2



#54
 cis-1,3-Dichloropropene
 Concen: 21.064 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.01 min
 Lab File: VW016884.D
 Acq: 12 Oct 2020 16:14

Tgt Ion: 75 Resp: 106556
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.8 38.6
 39 42.0 32.9 49.3

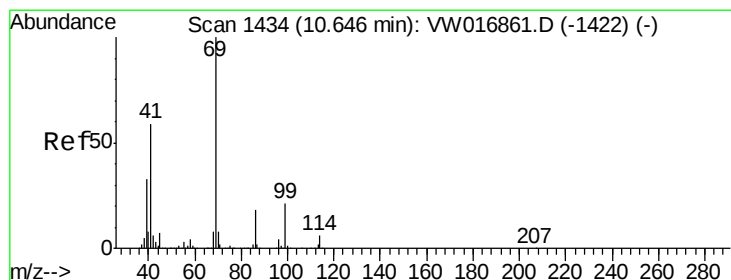
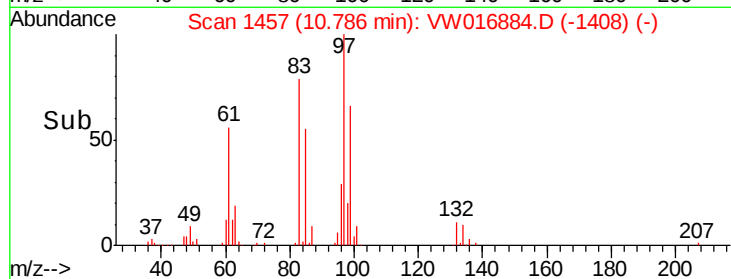
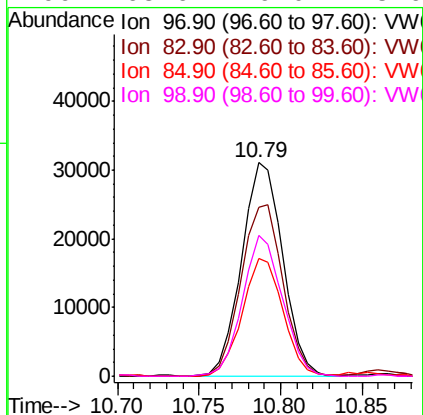
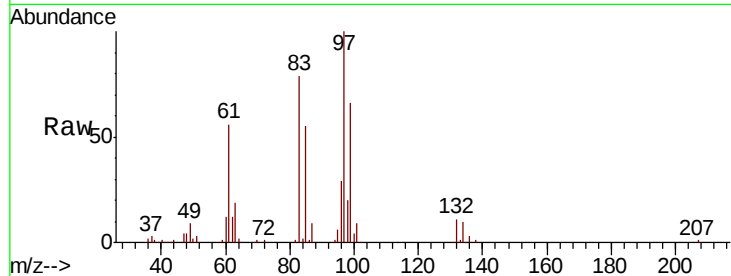




#55
 1,1,2-Trichloroethane
 Concen: 21.003 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW016884.D
 Acq: 12 Oct 2020 16:14

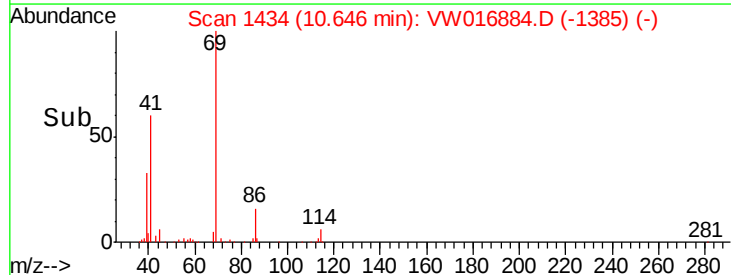
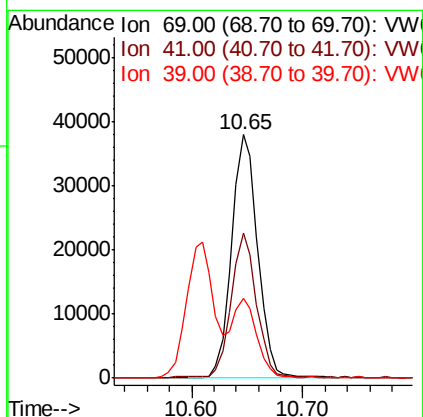
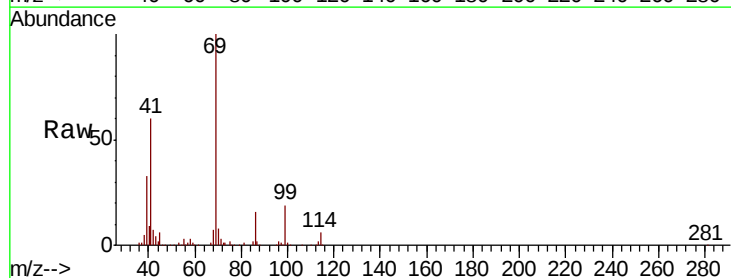
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1013SBSD01

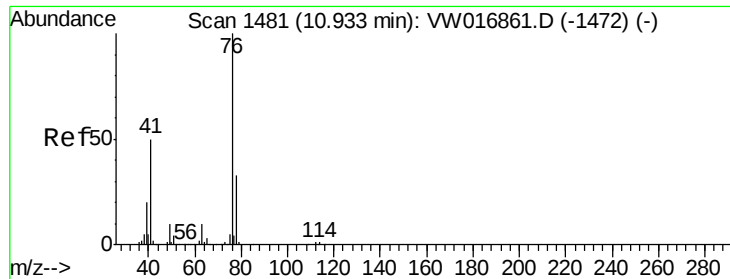
Tot Ion:	97	Resp:	54698
Ion	Ratio	Lower	Upper
97	100		
83	79.3	64.6	97.0
85	55.4	40.6	61.0
99	65.6	49.0	73.6



#56
 Ethyl methacrylate
 Concen: 21.777 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW016884.D
 Acq: 12 Oct 2020 16:14

Tgt Ion:	69	Resp:	61697
Ion	Ratio	Lower	Upper
69	100		
41	56.2	46.3	69.5
39	31.2	25.9	38.9





#57

1,3-Dichloropropane

Concen: 20.844 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW016884.D

Acq: 12 Oct 2020 16:14

Instrument :

MSVOA_W

ClientSampleId :

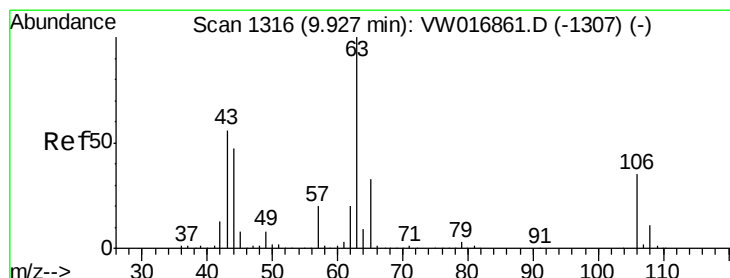
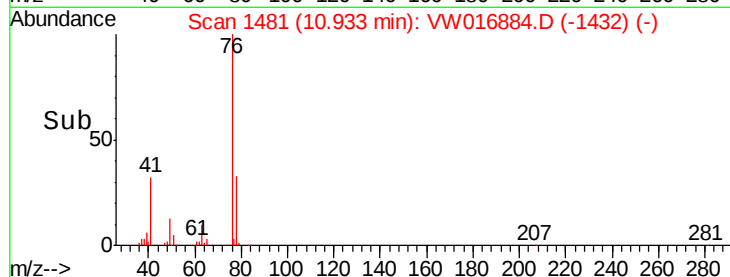
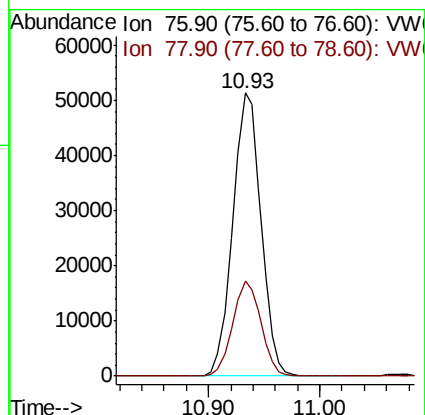
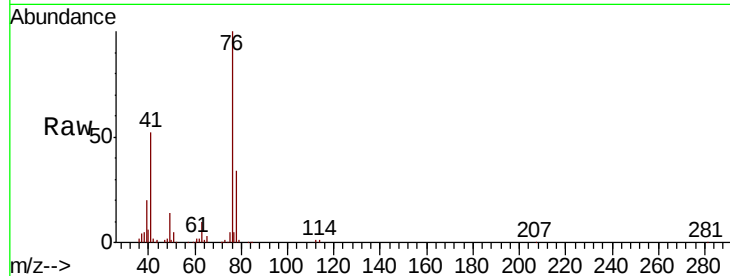
VW1013SBSD01

Tot Ion: 76 Resp: 89810

Ion Ratio Lower Upper

76 100

78 33.7 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 106.271 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW016884.D

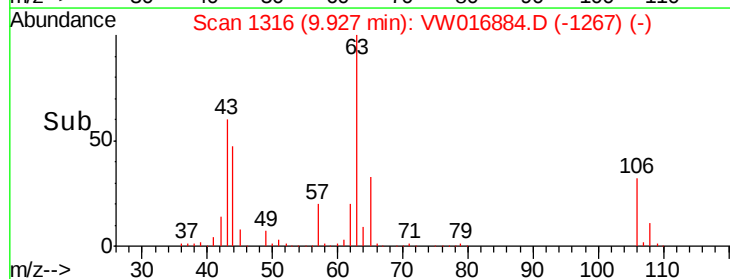
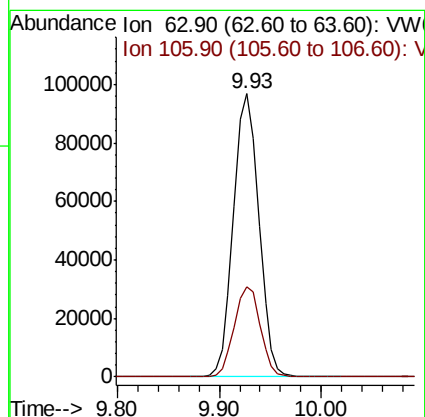
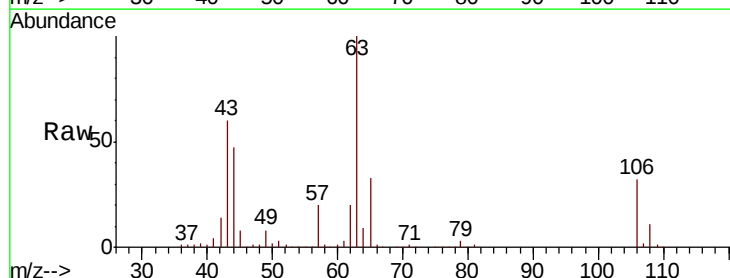
Acq: 12 Oct 2020 16:14

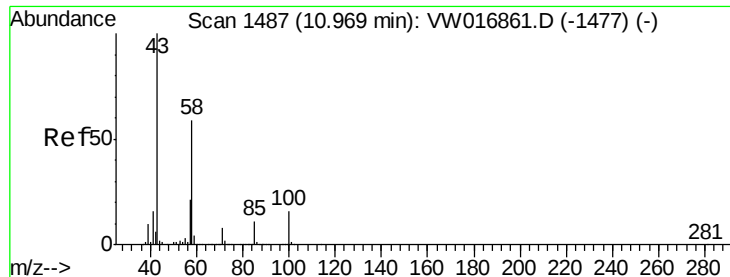
Tgt Ion: 63 Resp: 166839

Ion Ratio Lower Upper

63 100

106 32.8 27.0 40.4

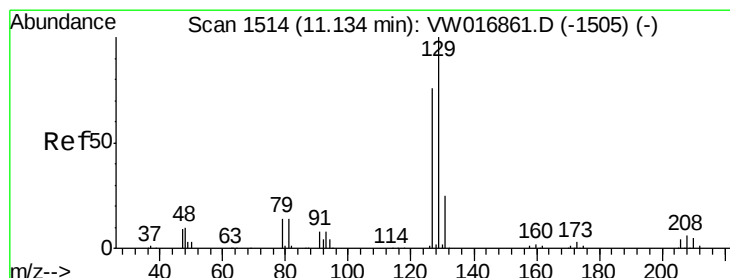
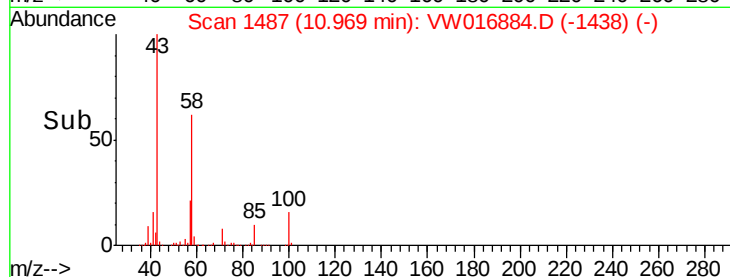
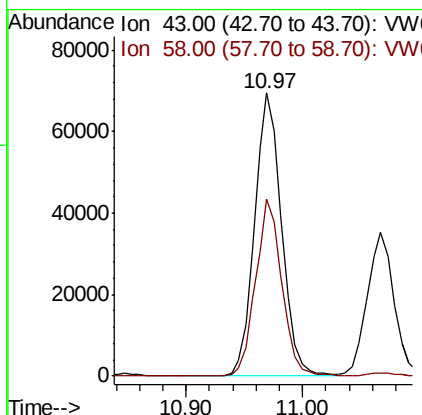
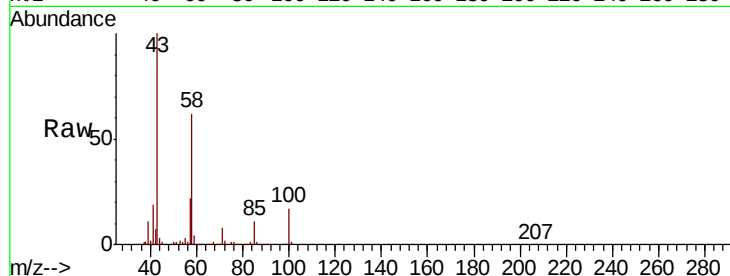




#59
2-Hexanone
Concen: 106.814 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW016884.D
Acq: 12 Oct 2020 16:14

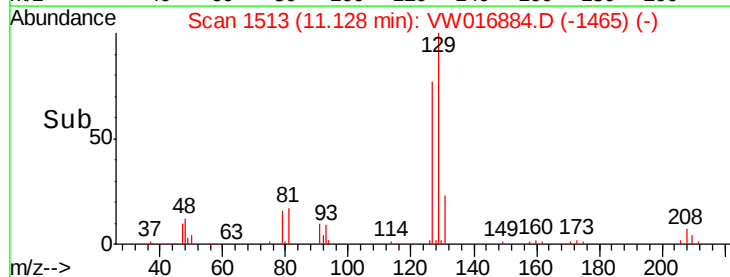
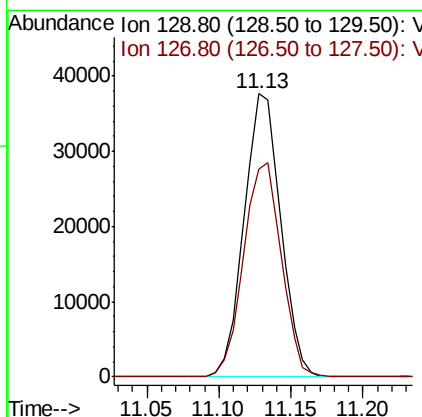
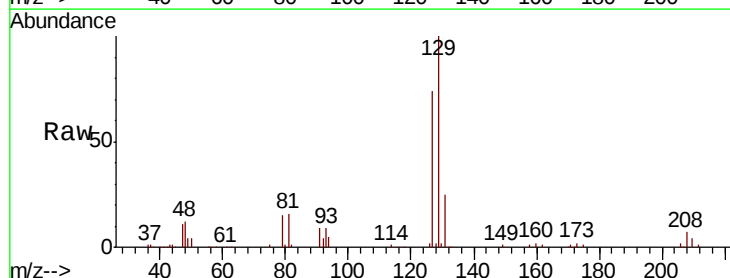
Instrument :
MSVOA_W
ClientSampleId :
VW1013SBSD01

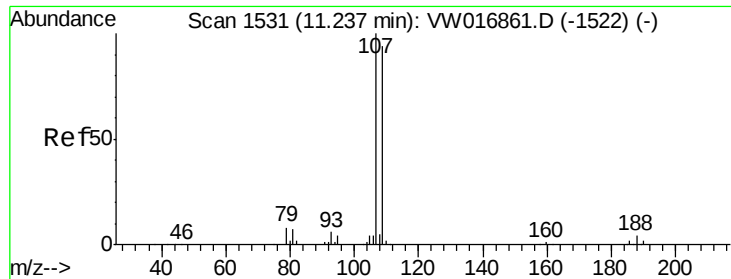
Tot Ion: 43 Resp: 112653
Ion Ratio Lower Upper
43 100
58 60.7 29.5 88.5



#60
Dibromochloromethane
Concen: 20.736 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW016884.D
Acq: 12 Oct 2020 16:14

Tgt Ion: 129 Resp: 66237
Ion Ratio Lower Upper
129 100
127 78.0 38.9 116.6





#61

1,2-Dibromoethane

Concen: 21.215 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW016884.D

Acq: 12 Oct 2020 16:14

Instrument :

MSVOA_W

ClientSampleId :

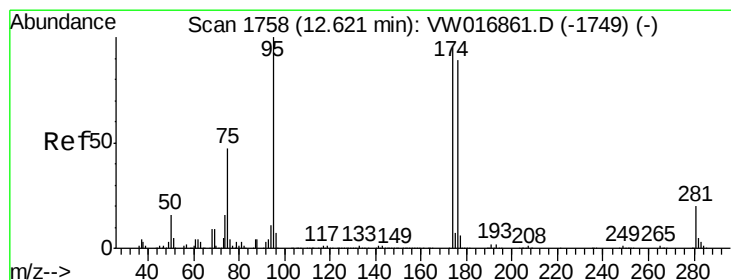
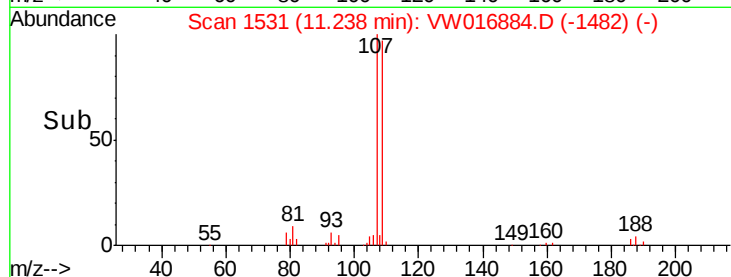
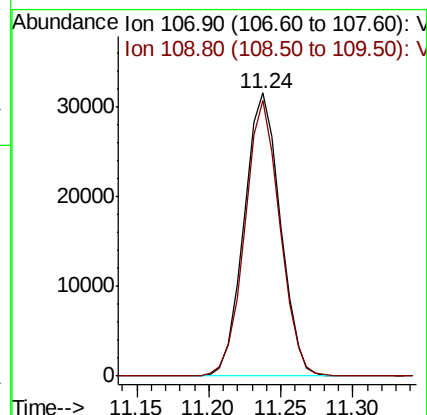
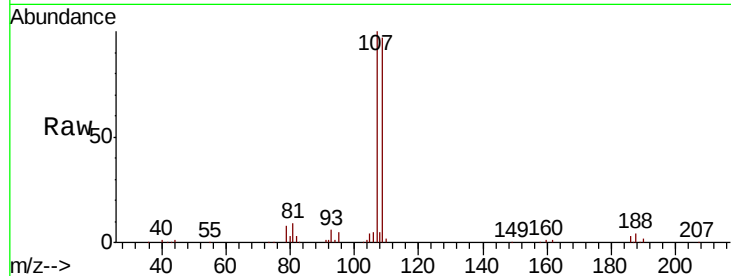
VW1013SBS01

Tot Ion:107 Resp: 54715

Ion Ratio Lower Upper

107 100

109 94.5 74.7 112.1



#62

4-Bromofluorobenzene

Concen: 52.336 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW016884.D

Acq: 12 Oct 2020 16:14

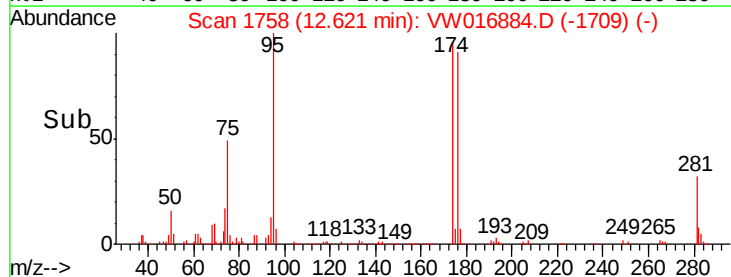
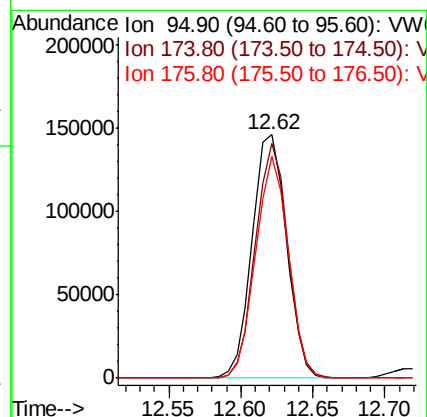
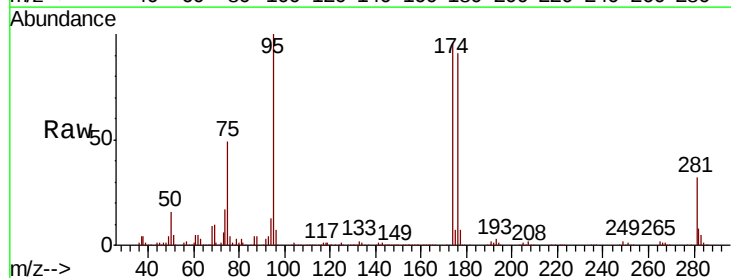
Tgt Ion: 95 Resp: 241528

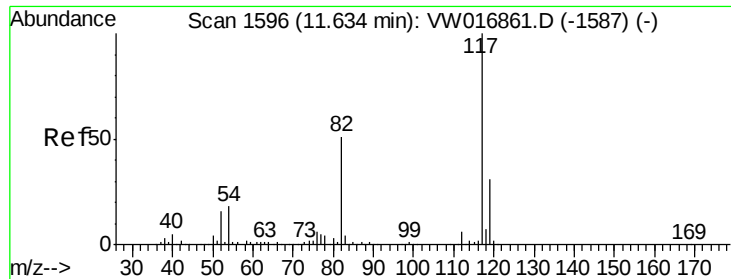
Ion Ratio Lower Upper

95 100

174 91.1 0.0 180.6

176 86.7 0.0 177.6

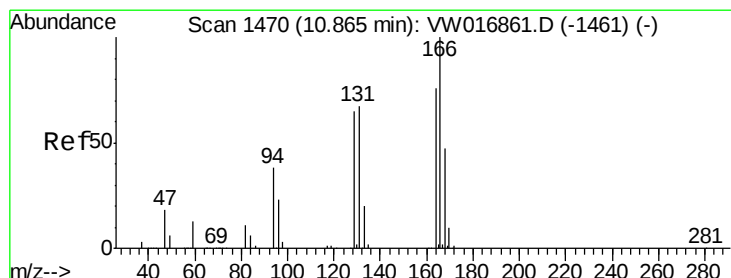
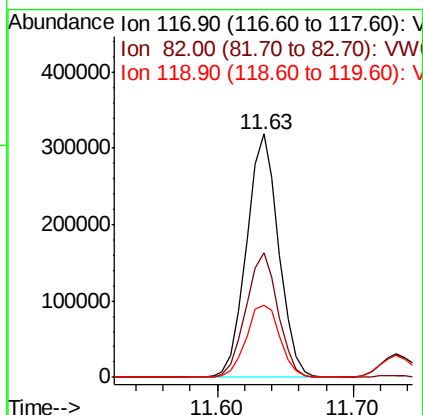
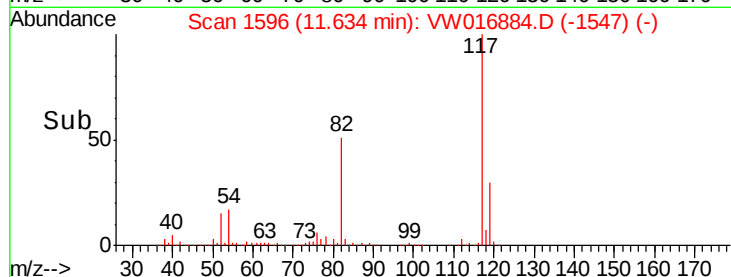
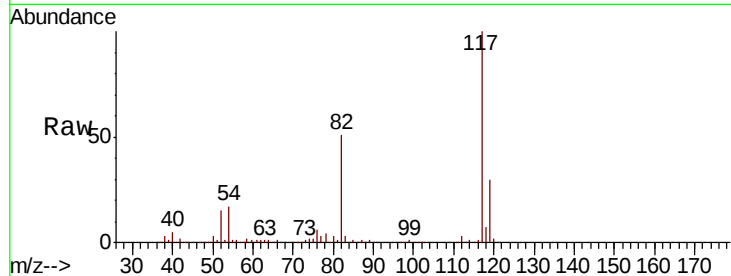




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW016884.D
Acq: 12 Oct 2020 16:14

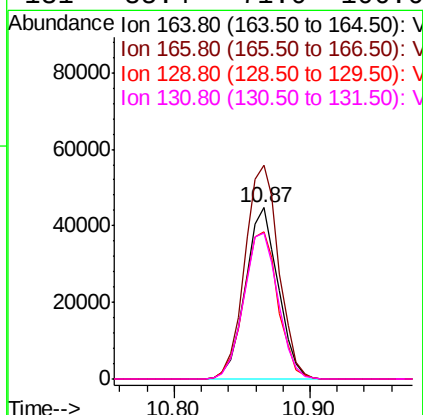
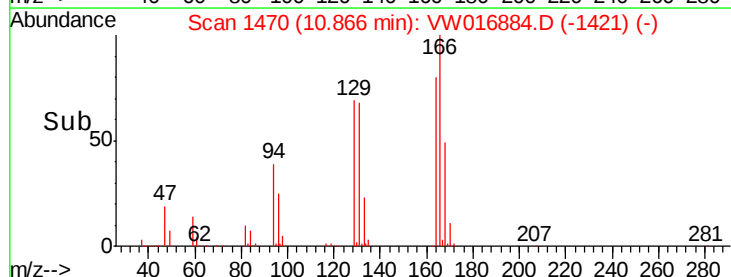
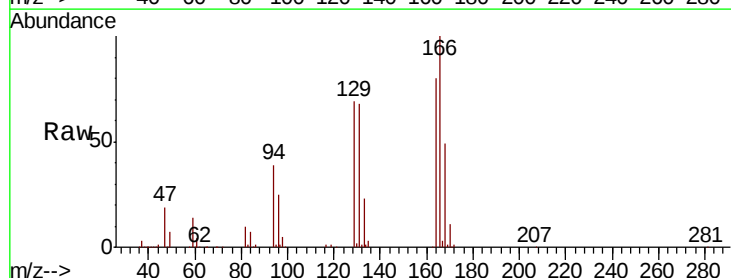
Instrument :
MSVOA_W
ClientSampleId :
VW1013SBSD01

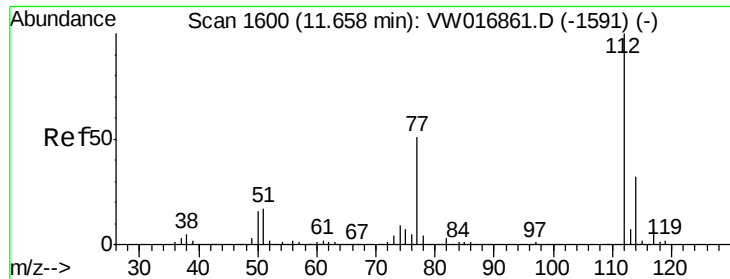
Tot Ion:117 Resp: 525762
Ion Ratio Lower Upper
117 100
82 51.4 40.7 61.1
119 29.6 25.0 37.4



#64
Tetrachloroethene
Concen: 20.107 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW016884.D
Acq: 12 Oct 2020 16:14

Tgt Ion:164 Resp: 75317
Ion Ratio Lower Upper
164 100
166 124.8 105.3 157.9
129 86.1 68.8 103.2
131 85.4 71.0 106.6

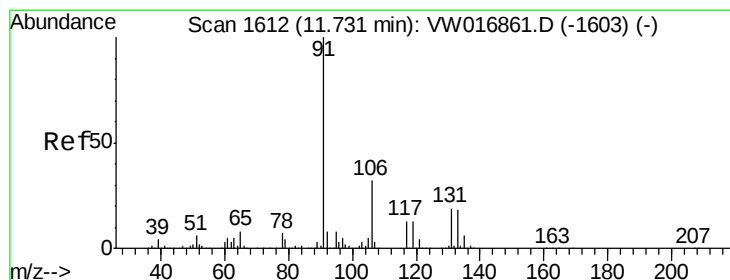
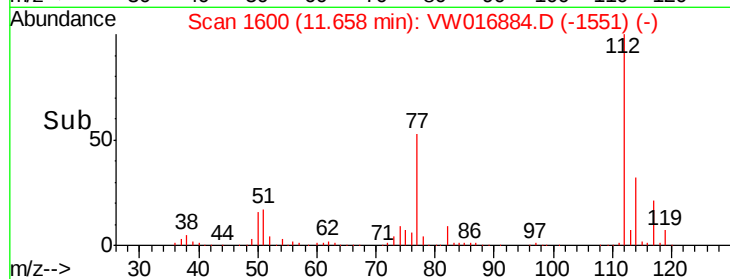
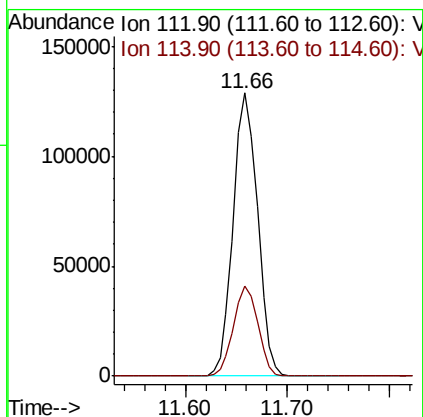
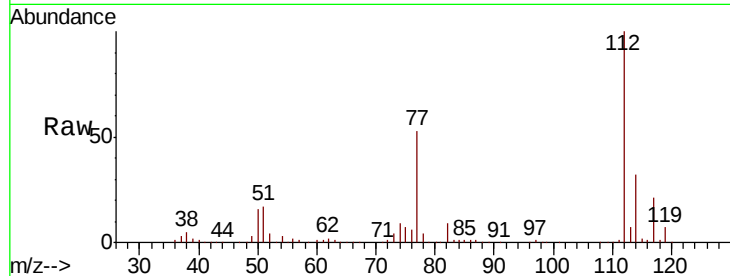




#65
Chlorobenzene
Concen: 20.657 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016884.D
Acq: 12 Oct 2020 16:14

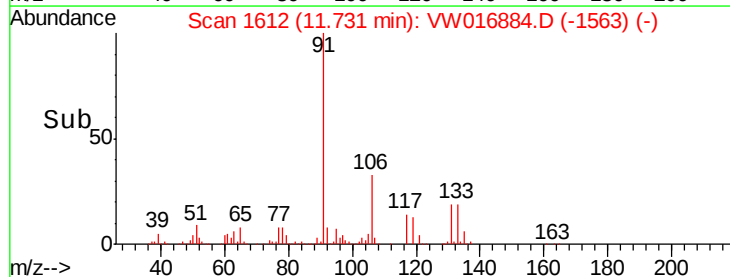
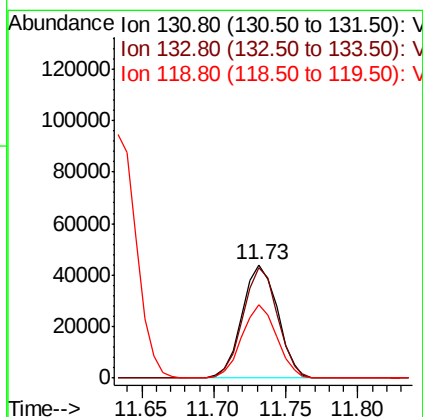
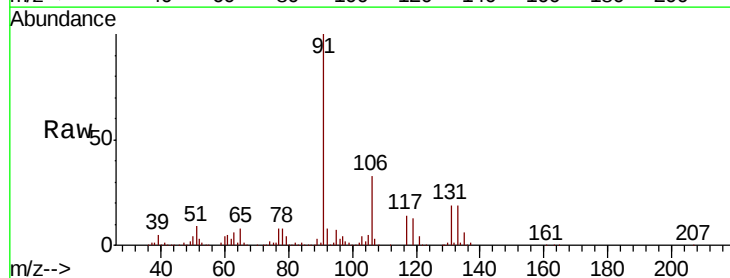
Instrument :
MSVOA_W
ClientSampleId :
VW1013SBSD01

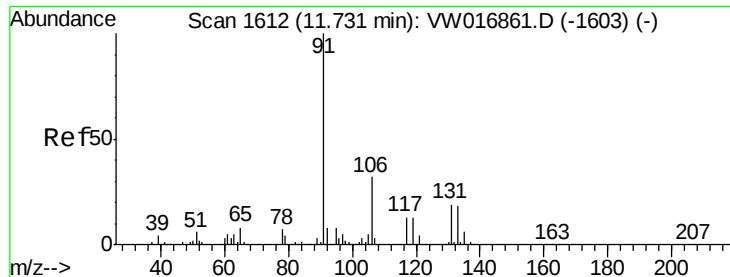
Tot Ion:112 Resp: 213026
Ion Ratio Lower Upper
112 100
114 31.8 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.664 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016884.D
Acq: 12 Oct 2020 16:14

Tgt Ion:131 Resp: 75362
Ion Ratio Lower Upper
131 100
133 95.4 48.1 144.3
119 63.5 32.5 97.4

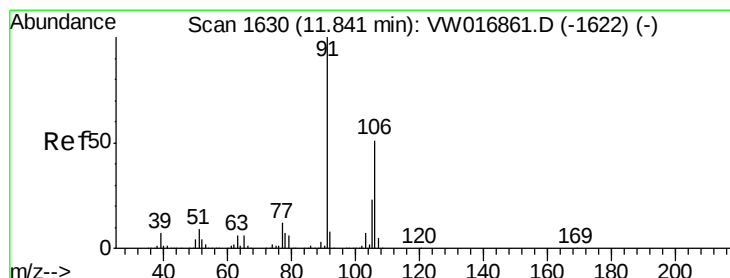
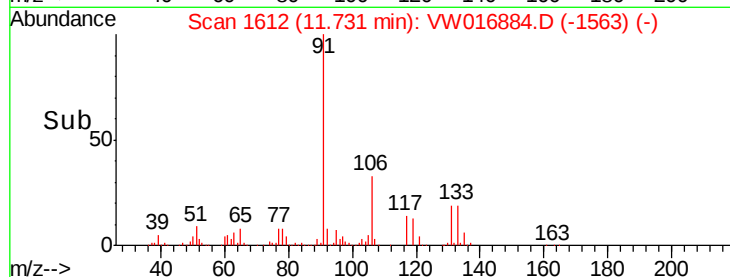
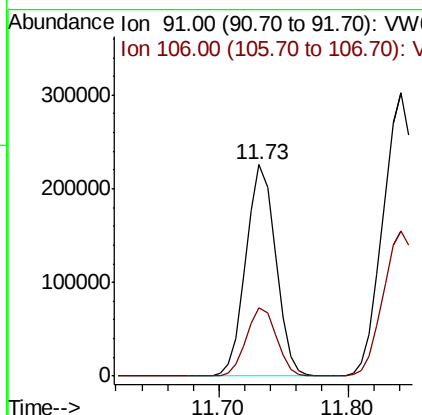
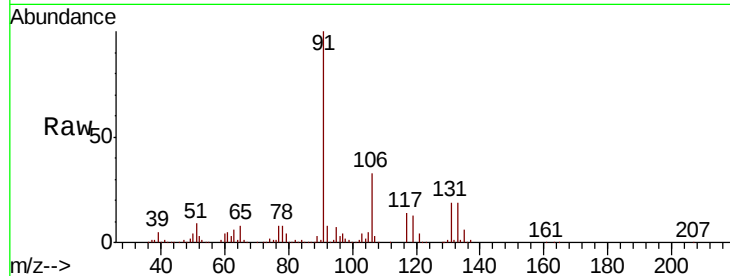




#67
Ethyl Benzene
Concen: 20.141 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016884.D
Acq: 12 Oct 2020 16:14

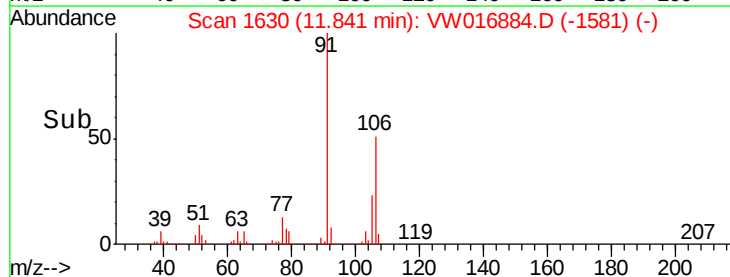
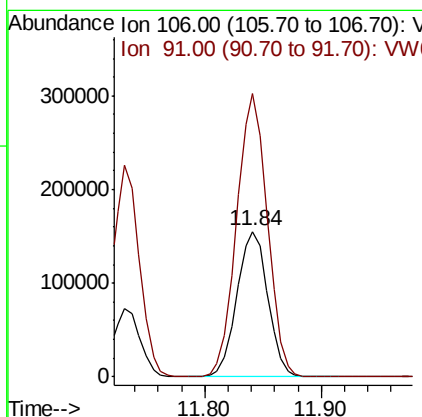
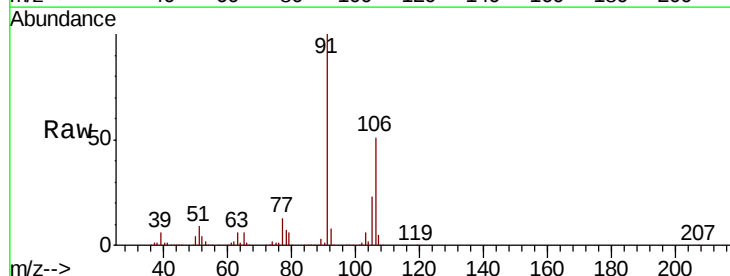
Instrument :
MSVOA_W
ClientSampleId :
VW1013SBSD01

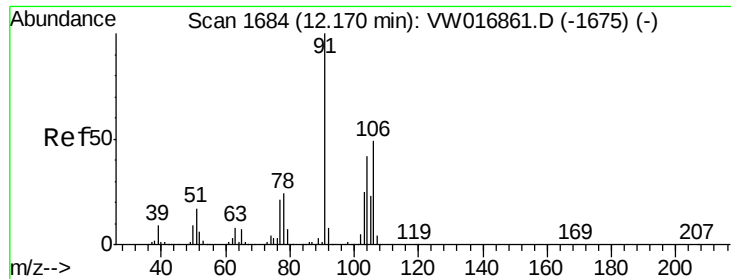
Tot Ion: 91 Resp: 361932
Ion Ratio Lower Upper
91 100
106 32.7 25.9 38.9



#68
m/p-Xylenes
Concen: 41.186 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016884.D
Acq: 12 Oct 2020 16:14

Tgt Ion: 106 Resp: 287851
Ion Ratio Lower Upper
106 100
91 192.9 157.4 236.0

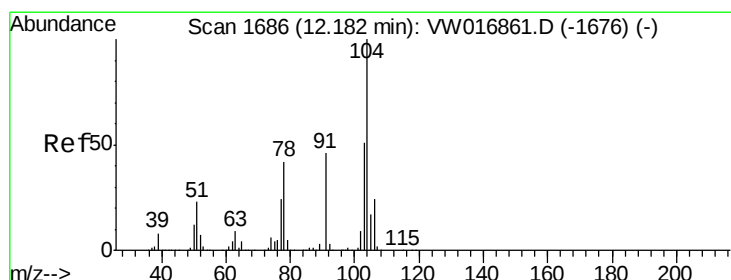
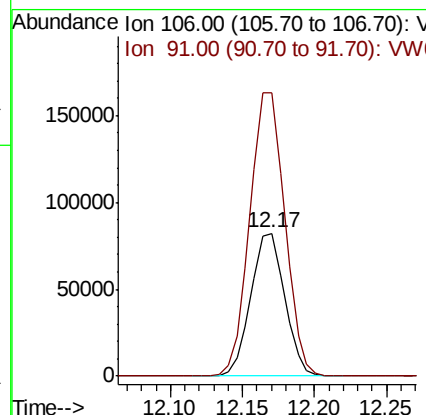
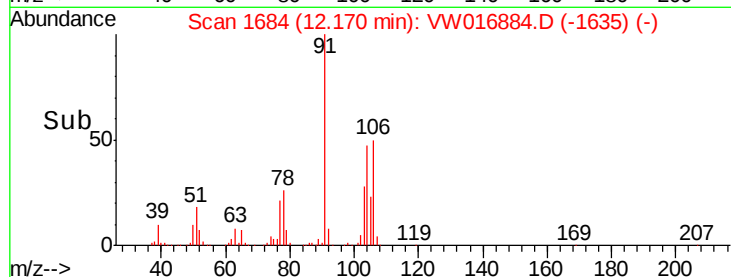
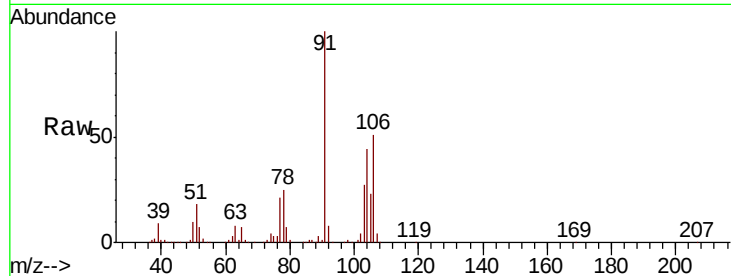




#69
o-Xylene
Concen: 20.921 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016884.D
Acq: 12 Oct 2020 16:14

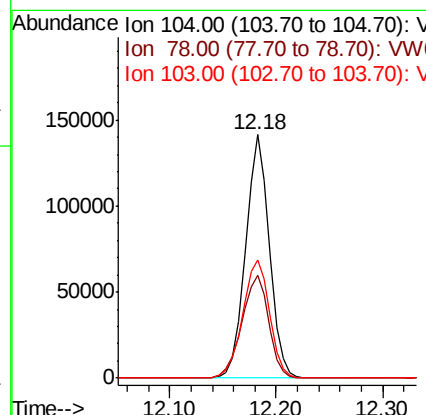
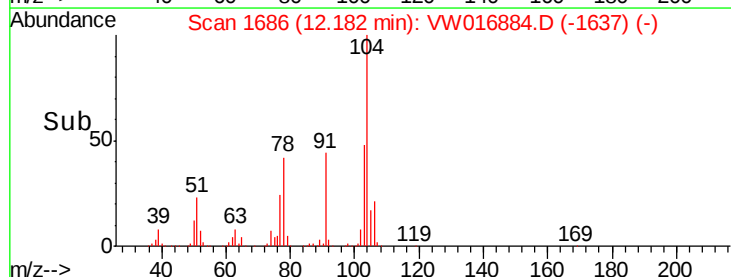
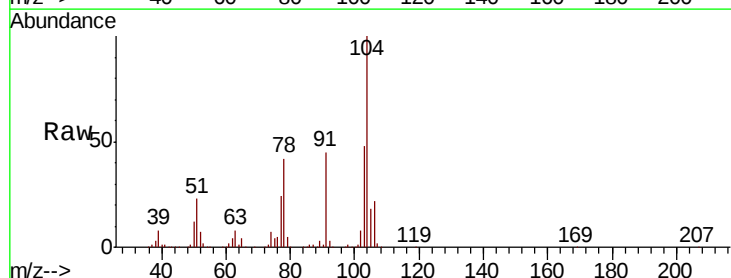
Instrument :
MSVOA_W
ClientSampleId :
VW1013SBSD01

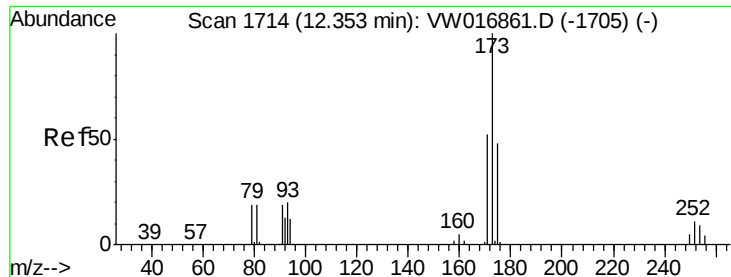
Tot Ion:106 Resp: 134177
Ion Ratio Lower Upper
106 100
91 204.7 103.6 310.9



#70
Styrene
Concen: 20.734 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016884.D
Acq: 12 Oct 2020 16:14

Tgt Ion:104 Resp: 221321
Ion Ratio Lower Upper
104 100
78 47.9 37.6 56.4
103 55.2 43.6 65.4





#71

Bromoform

Concen: 20.695 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW016884.D

Acq: 12 Oct 2020 16:14

Instrument :

MSVOA_W

ClientSampleId :

VW1013BSD01

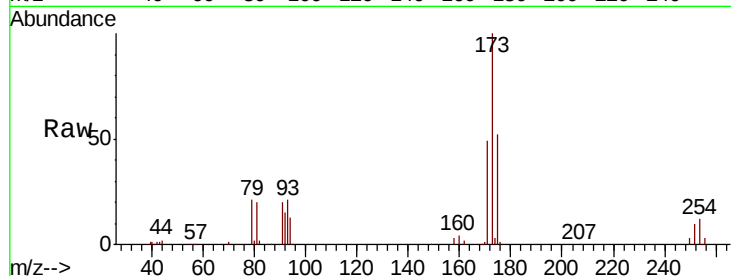
Tot Ion:173 Resp: 37890

Ion Ratio Lower Upper

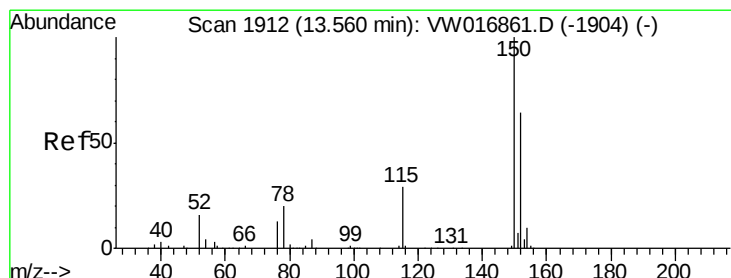
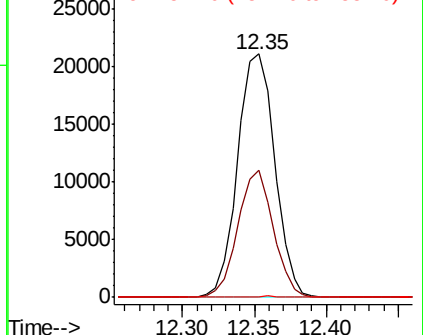
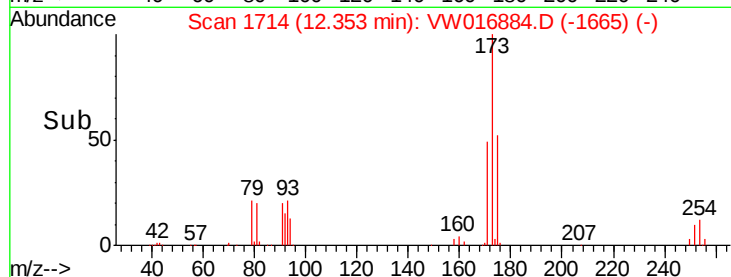
173 100

175 49.7 24.7 74.1

254 0.2 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: VW016884.D

Acq: 12 Oct 2020 16:14

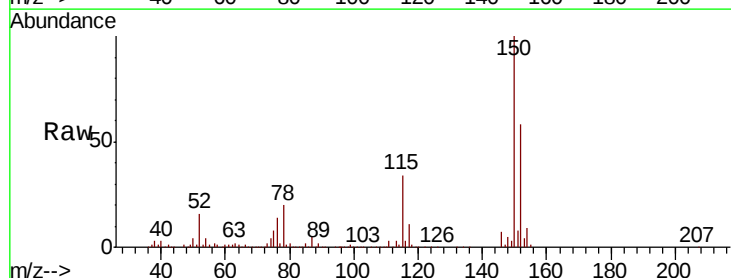
Tgt Ion:152 Resp: 268814

Ion Ratio Lower Upper

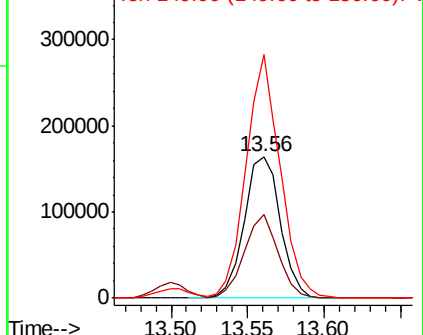
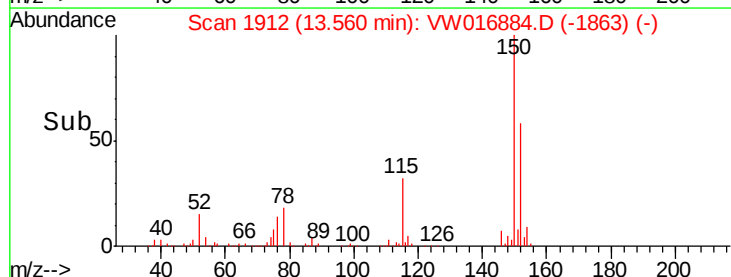
152 100

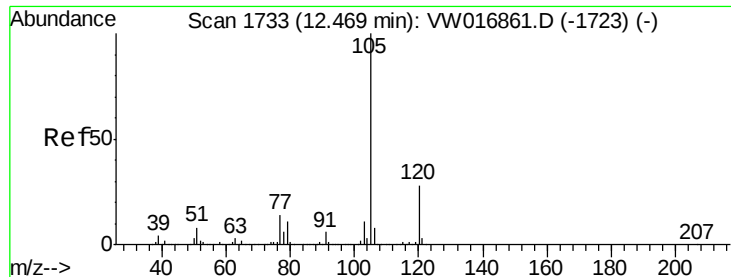
115 55.0 27.9 83.7

150 162.5 0.0 344.0



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





#73

Isopropylbenzene

Concen: 20.361 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW016884.D

Acq: 12 Oct 2020 16:14

Instrument :

MSVOA_W

ClientSampleId :

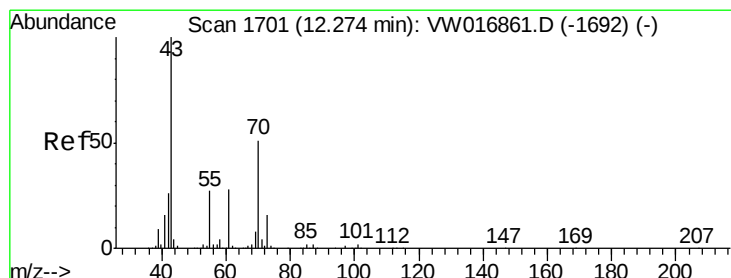
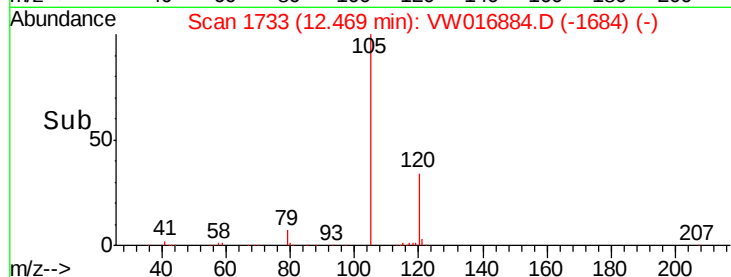
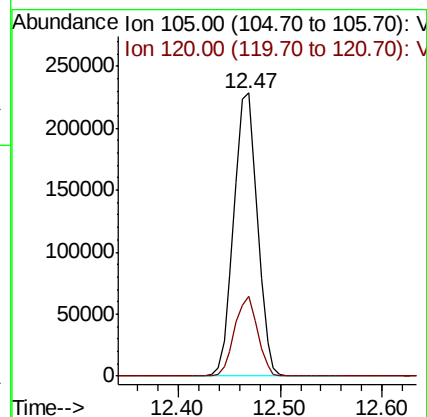
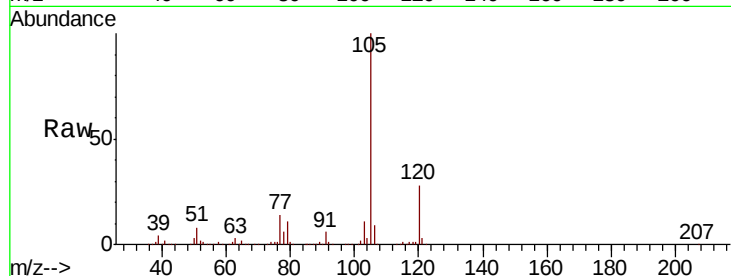
VW1013SBSD01

Tot Ion:105 Resp: 363786

Ion Ratio Lower Upper

105 100

120 27.3 13.6 40.7



#74

N-ethyl acetate

Concen: 21.397 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW016884.D

Acq: 12 Oct 2020 16:14

Tgt Ion: 43 Resp: 61407

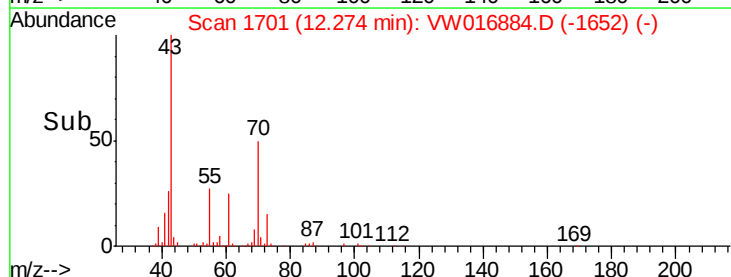
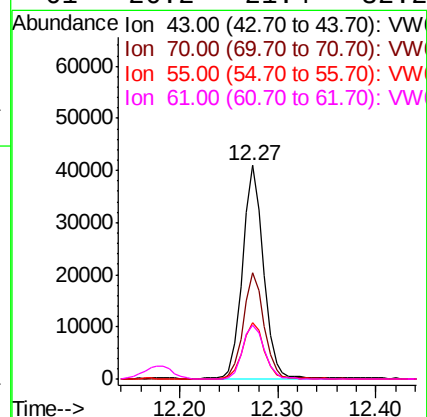
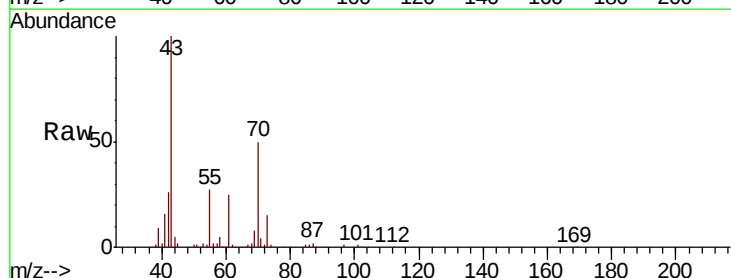
Ion Ratio Lower Upper

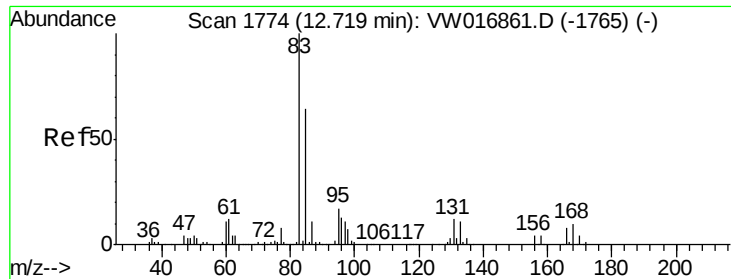
43 100

70 48.4 40.2 60.4

55 27.2 21.4 32.0

61 26.2 21.4 32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.258 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW016884.D

Acq: 12 Oct 2020 16:14

Instrument :

MSVOA_W

ClientSampleId :

VW1013SBS01

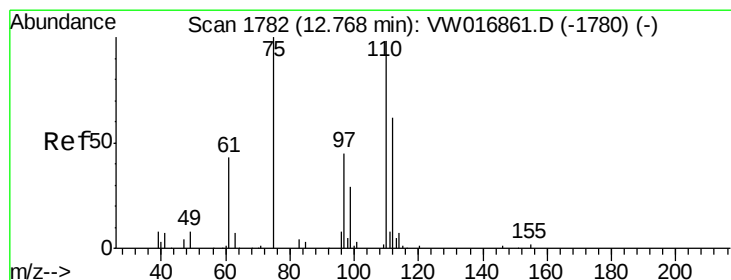
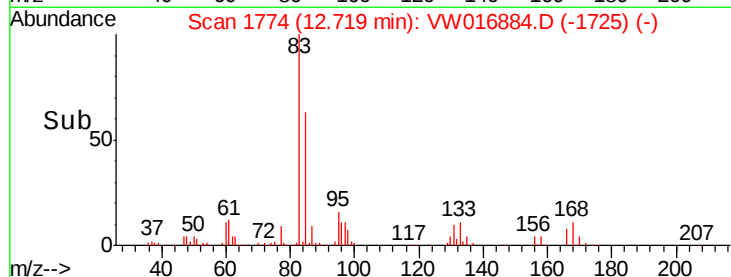
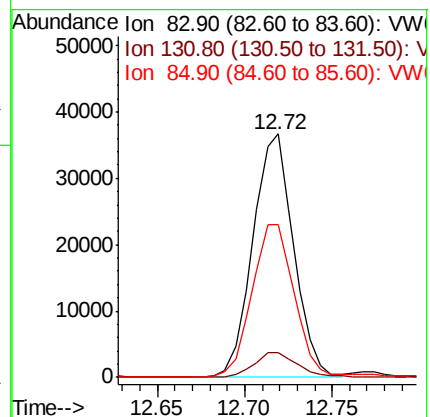
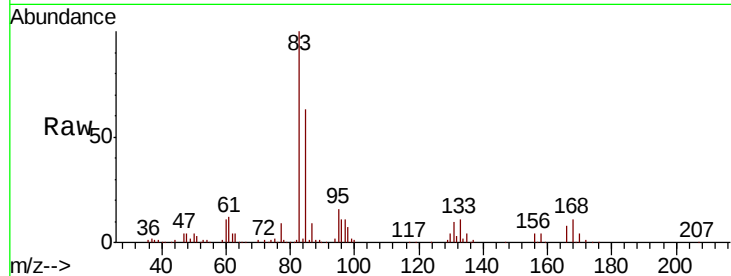
Tot Ion: 83 Resp: 59593

Ion Ratio Lower Upper

83 100

131 11.0 6.1 18.3

85 64.9 32.7 98.1



#76

1,2,3-Trichloropropane

Concen: 36.318 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW016884.D

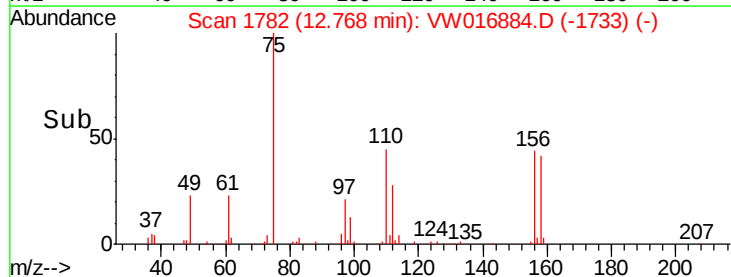
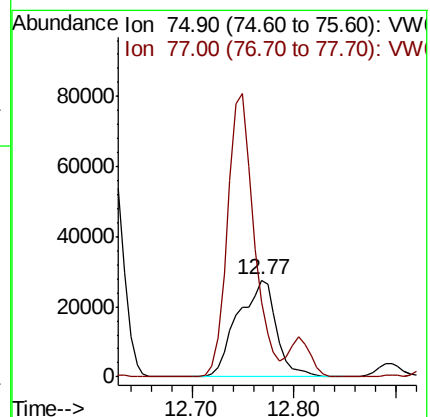
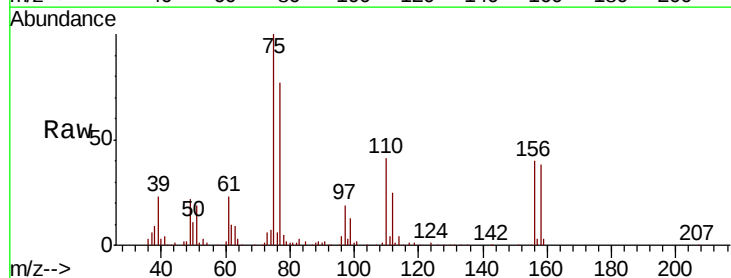
Acq: 12 Oct 2020 16:14

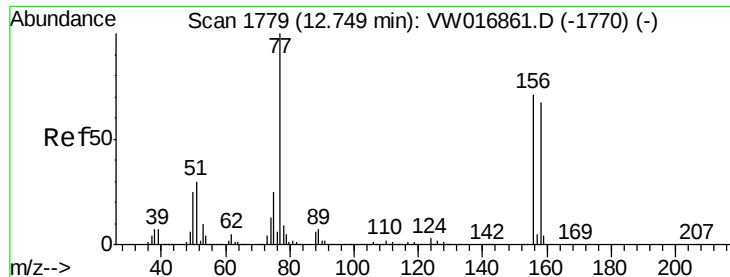
Tgt Ion: 75 Resp: 72846

Ion Ratio Lower Upper

75 100

77 201.1 178.8 536.3





#77

Bromobenzene

Concen: 20.770 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW016884.D

Acq: 12 Oct 2020 16:14

Instrument :

MSVOA_W

ClientSampleId :

VW1013SBSD01

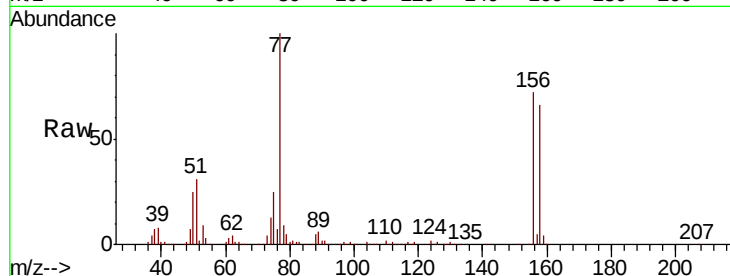
Tot Ion:156 Resp: 91733

Ion Ratio Lower Upper

156 100

77 159.7 79.0 237.2

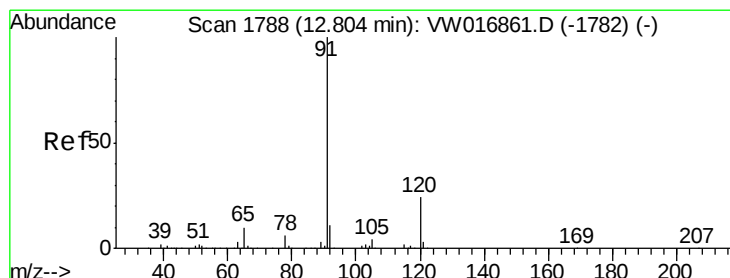
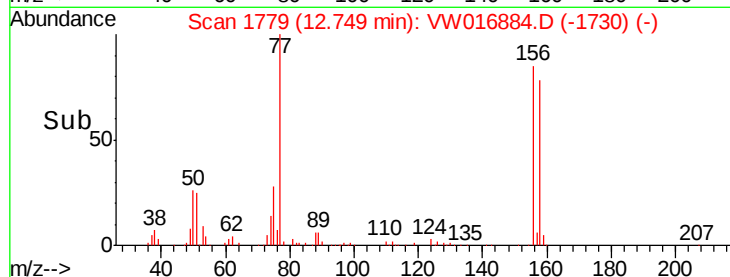
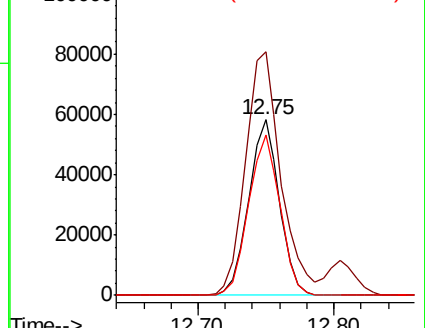
158 93.9 47.0 141.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.816 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW016884.D

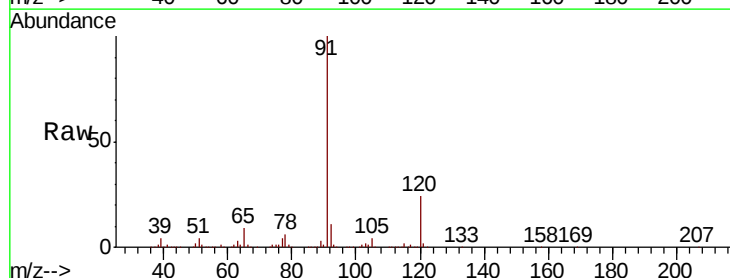
Acq: 12 Oct 2020 16:14

Tgt Ion: 91 Resp: 428920

Ion Ratio Lower Upper

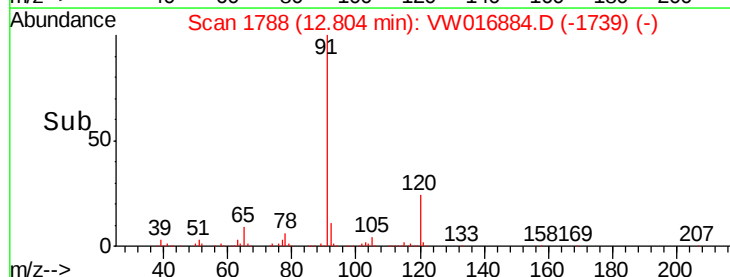
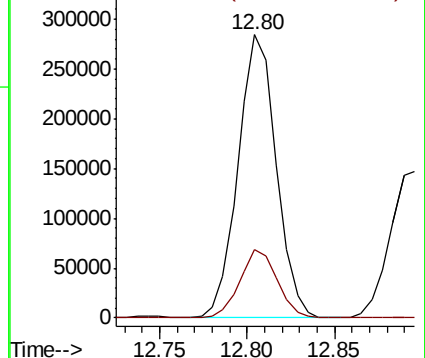
91 100

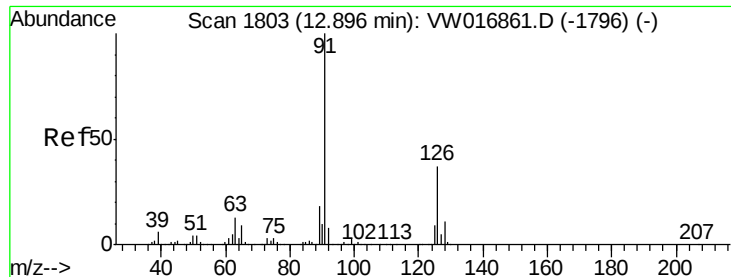
120 23.8 12.0 36.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.777 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW016884.D

Acq: 12 Oct 2020 16:14

Instrument :

MSVOA_W

ClientSampleId :

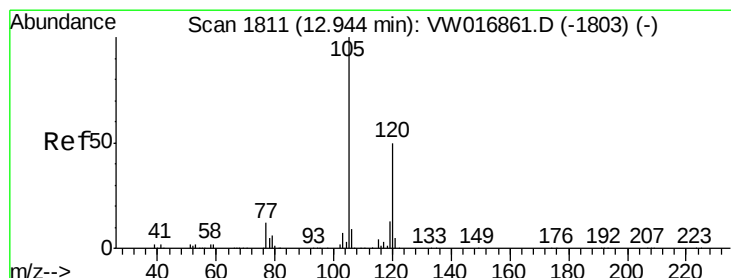
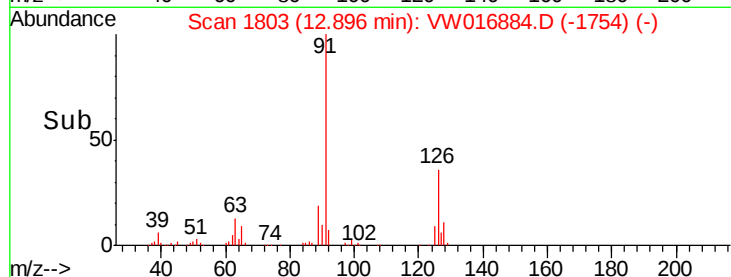
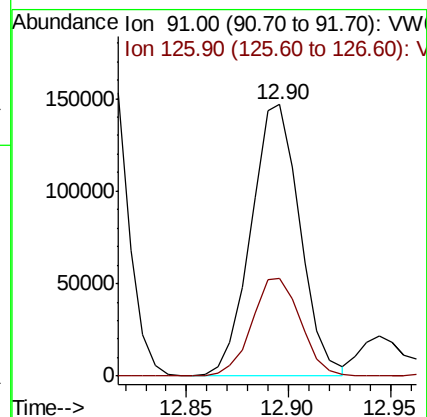
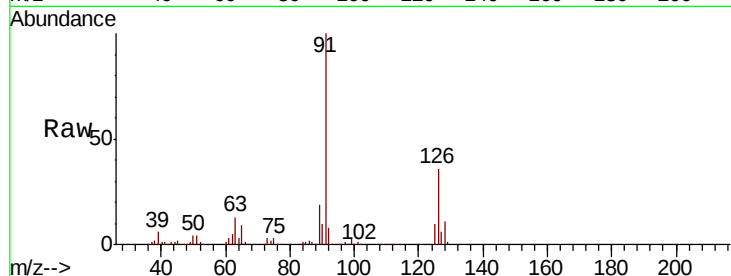
VW1013SBSD01

Tot Ion: 91 Resp: 244223

Ion Ratio Lower Upper

91 100

126 35.8 17.9 53.8



#80

1,3,5-Trimethylbenzene

Concen: 20.519 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW016884.D

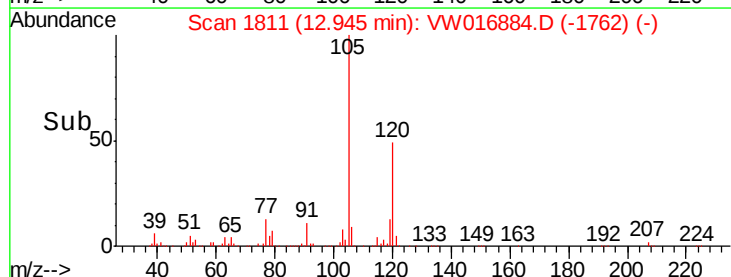
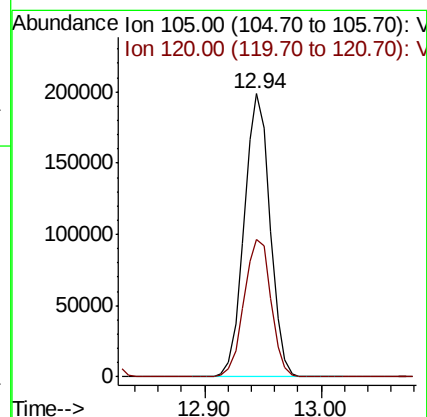
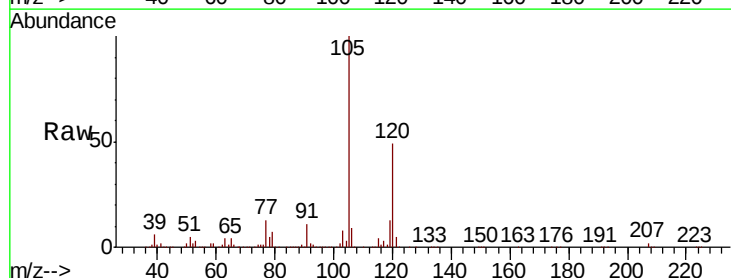
Acq: 12 Oct 2020 16:14

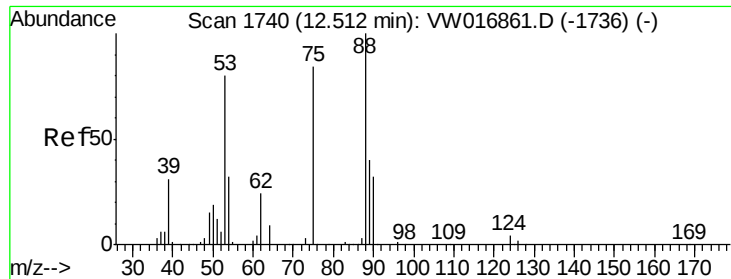
Tgt Ion:105 Resp: 307249

Ion Ratio Lower Upper

105 100

120 51.1 24.9 74.8

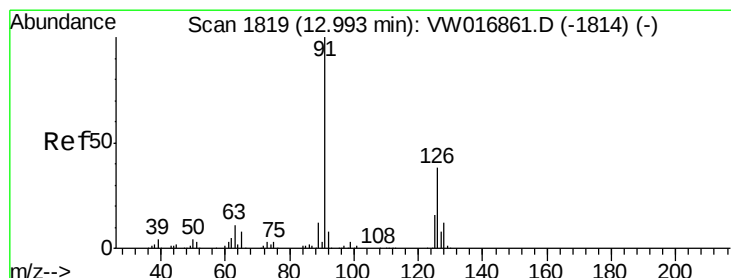
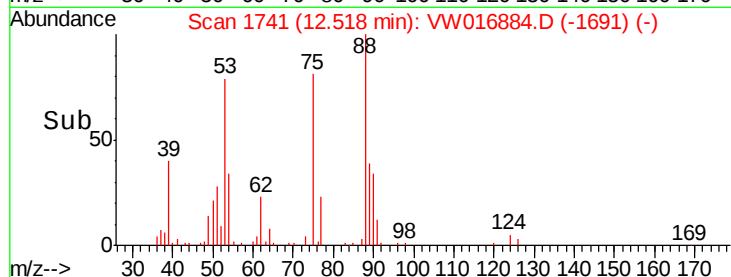
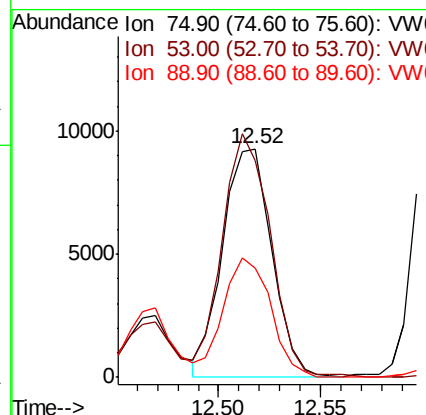
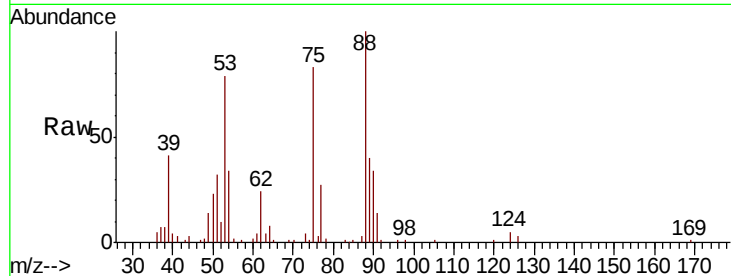




#81
trans-1,4-Dichloro-2-butene
Concen: 20.913 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW016884.D
Acq: 12 Oct 2020 16:14

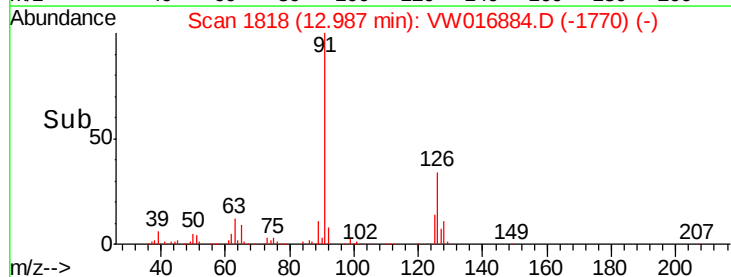
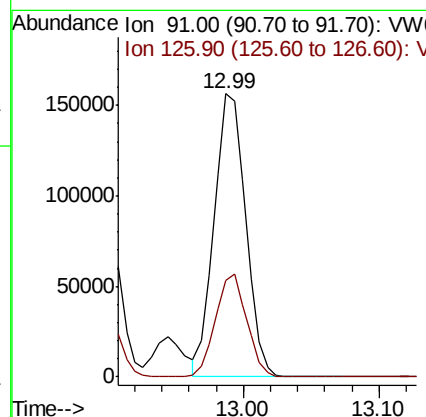
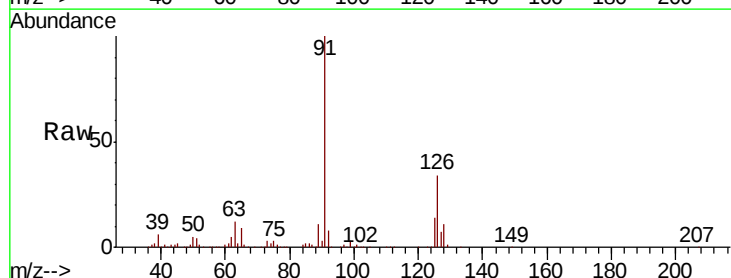
Instrument :
MSVOA_W
ClientSampleId :
VW1013SBSD01

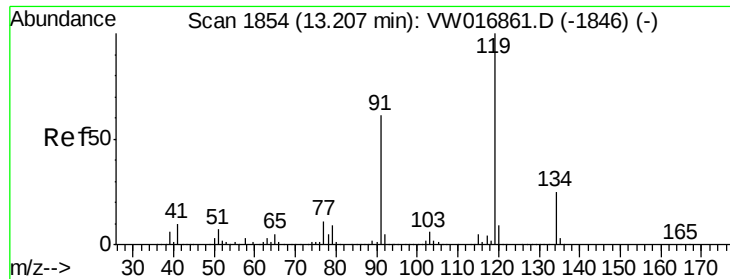
Tot Ion: 75 Resp: 15606
Ion Ratio Lower Upper
75 100
53 103.9 77.0 115.4
89 50.6 38.7 58.1



#82
4-Chlorotoluene
Concen: 20.657 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW016884.D
Acq: 12 Oct 2020 16:14

Tgt Ion: 91 Resp: 250663
Ion Ratio Lower Upper
91 100
126 36.0 18.1 54.3





#83

tert-Butylbenzene

Concen: 20.566 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

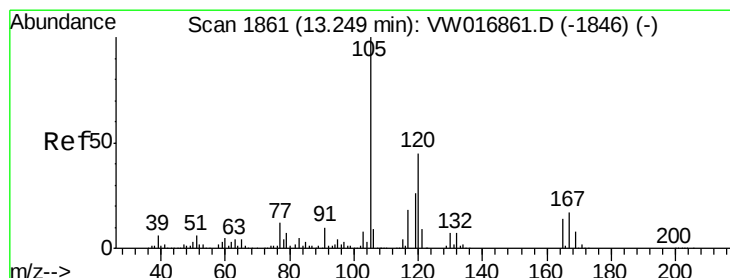
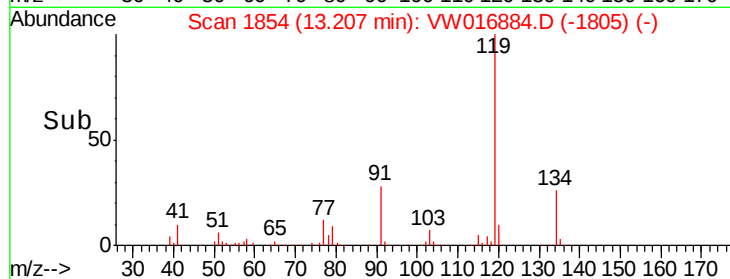
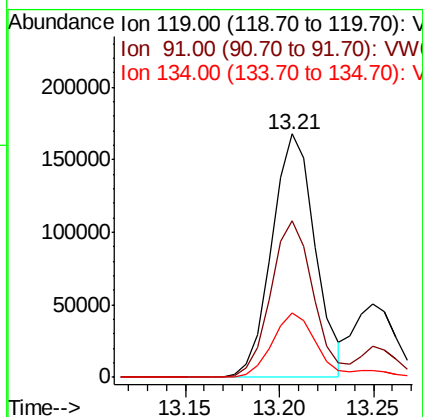
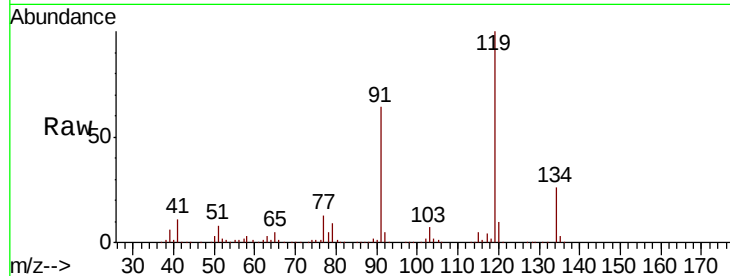
Lab File: VW016884.D

Acq: 12 Oct 2020 16:14

Instrument :
MSVOA_W
ClientSampleId :
VW1013BSD01

Tot Ion:119 Resp: 267454

Ion	Ratio	Lower	Upper
119	100		
91	63.7	31.3	93.9
134	26.4	14.0	42.0



#84

1,2,4-Trimethylbenzene

Concen: 21.078 ug/l

RT: 13.25 min Scan# 1861

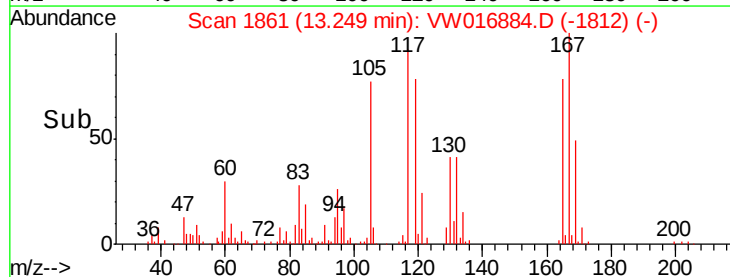
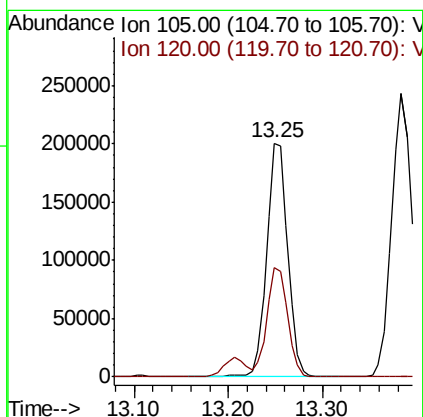
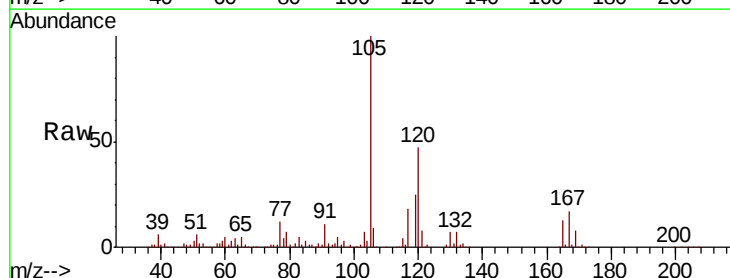
Delta R.T. 0.00 min

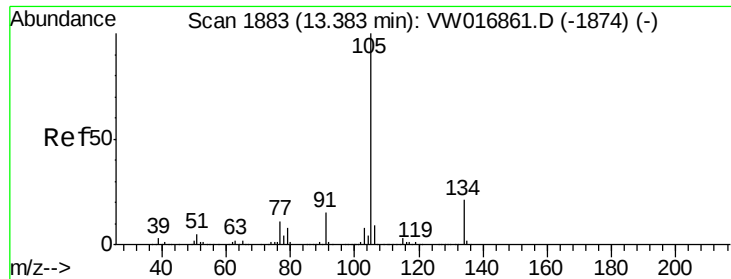
Lab File: VW016884.D

Acq: 12 Oct 2020 16:14

Tgt Ion:105 Resp: 314485

Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.4	70.0





#85

sec-Butylbenzene

Concen: 20.461 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW016884.D

Acq: 12 Oct 2020 16:14

Instrument :

MSVOA_W

ClientSampleId :

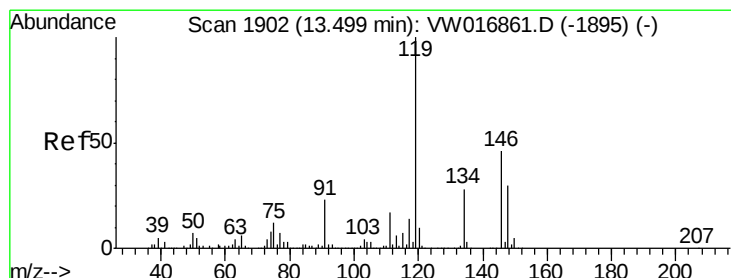
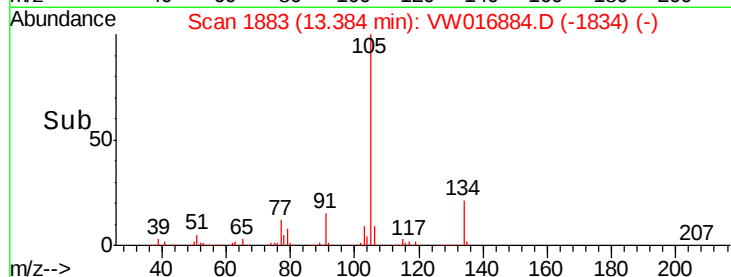
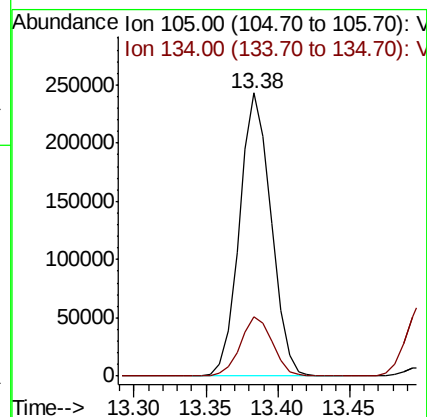
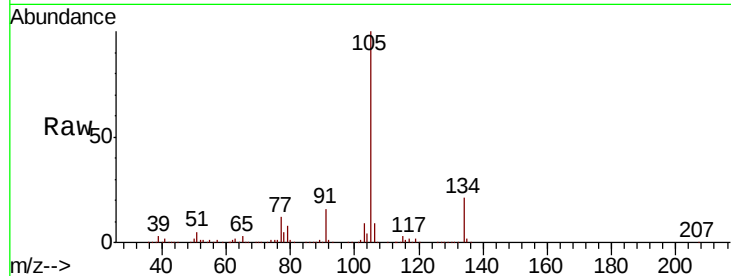
VW1013SBSD01

Tot Ion:105 Resp: 370381

Ion Ratio Lower Upper

105 100

134 21.2 10.6 31.8



#86

p-Isopropyltoluene

Concen: 20.679 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW016884.D

Acq: 12 Oct 2020 16:14

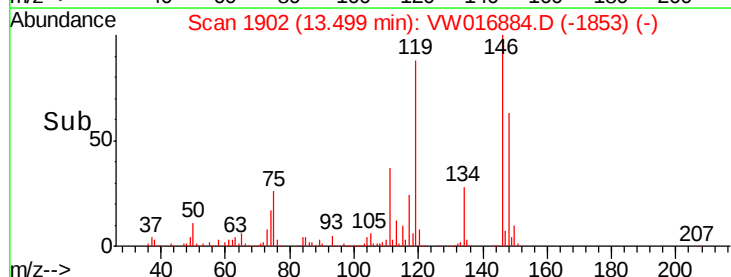
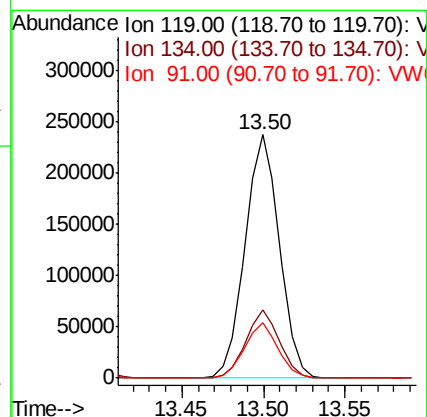
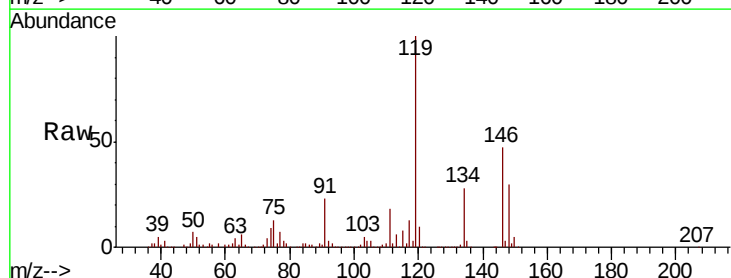
Tgt Ion:119 Resp: 348563

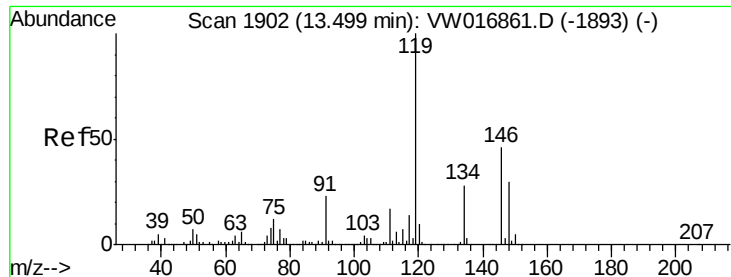
Ion Ratio Lower Upper

119 100

134 27.2 13.8 41.3

91 21.9 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 20.681 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW016884.D

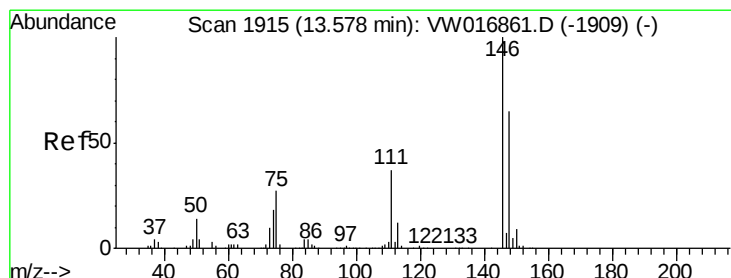
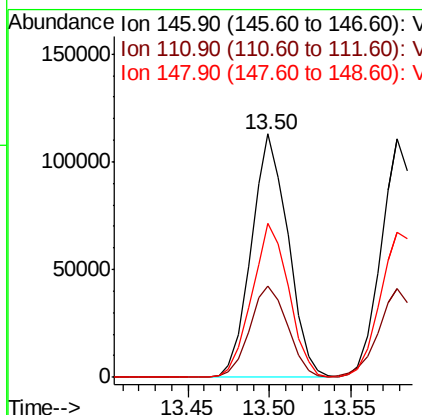
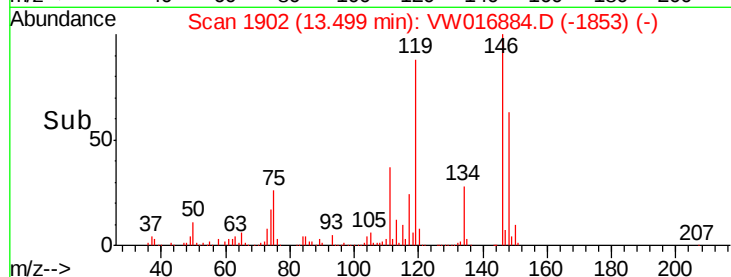
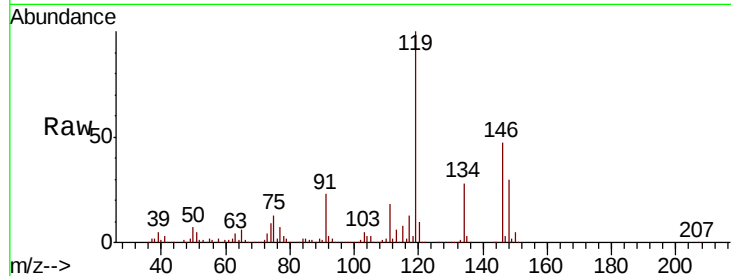
Acq: 12 Oct 2020 16:14

Instrument :
MSVOA_W

ClientSampleId :
VW1013SBSD01

Tot Ion:146 Resp: 176633

Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.5
148	63.6	32.5	97.4



#88

1,4-Dichlorobenzene

Concen: 20.691 ug/l

RT: 13.58 min Scan# 1915

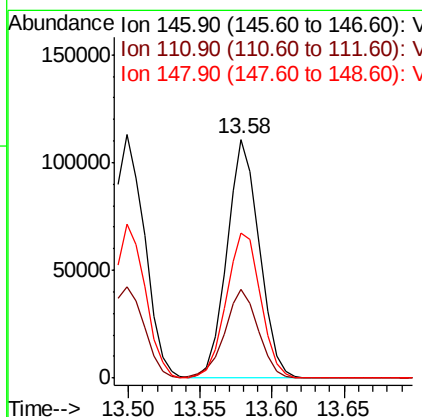
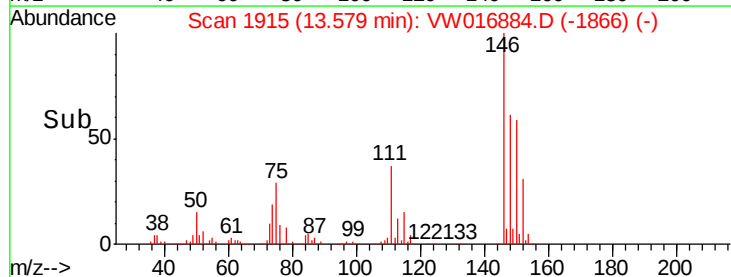
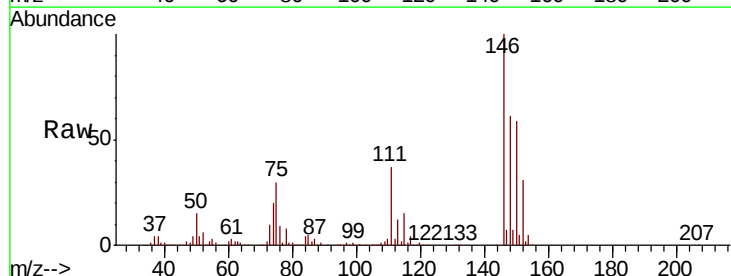
Delta R.T. 0.00 min

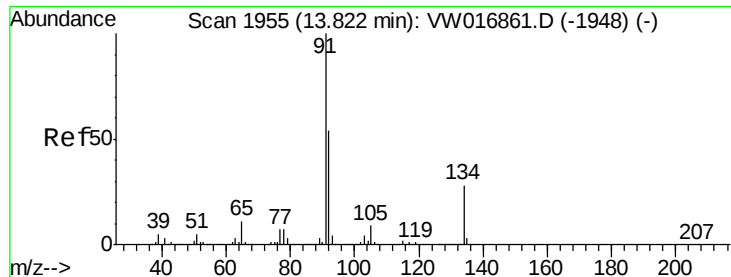
Lab File: VW016884.D

Acq: 12 Oct 2020 16:14

Tgt Ion:146 Resp: 174147

Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.5	55.5
148	64.7	31.8	95.4





#89

n-Butylbenzene

Concen: 20.177 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW016884.D

Acq: 12 Oct 2020 16:14

Instrument :

MSVOA_W

ClientSampleId :

VW1013SBS01

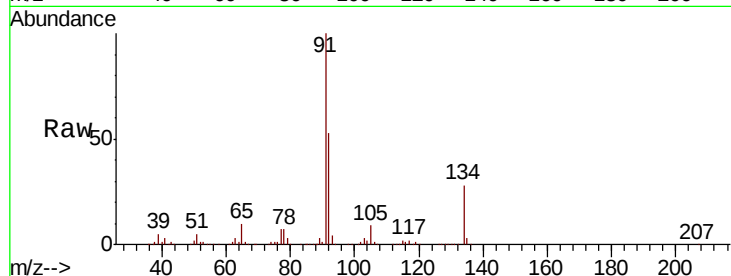
Tot Ion: 91 Resp: 306393

Ion Ratio Lower Upper

91 100

92 54.3 26.6 79.7

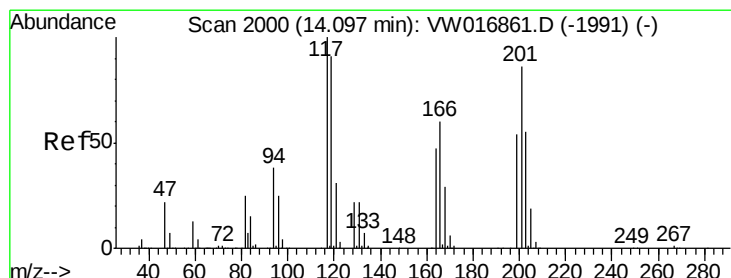
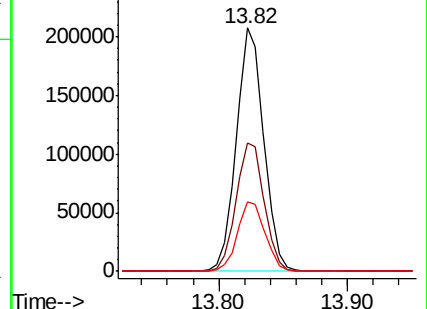
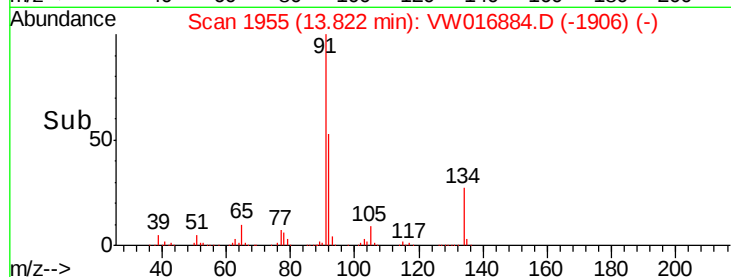
134 28.7 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.543 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW016884.D

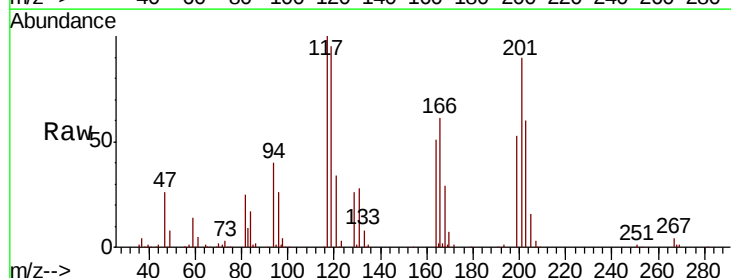
Acq: 12 Oct 2020 16:14

Tgt Ion: 117 Resp: 53431

Ion Ratio Lower Upper

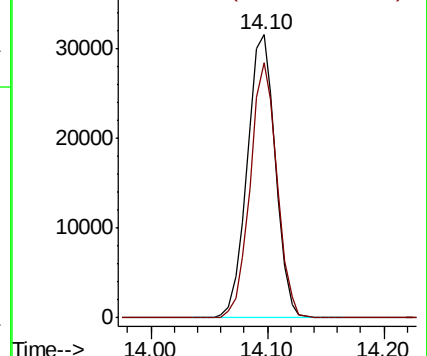
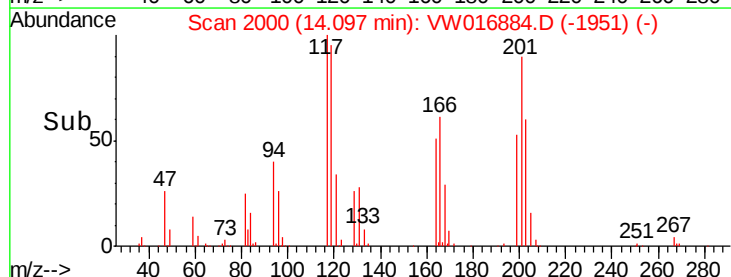
117 100

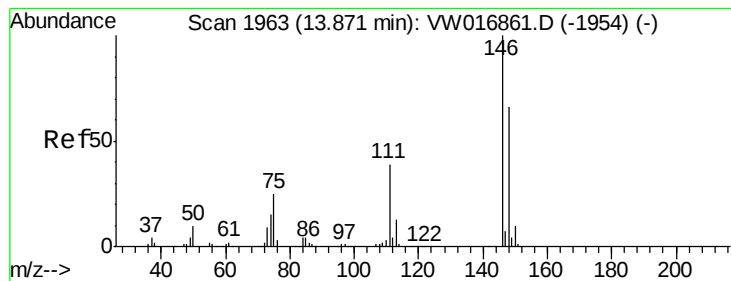
201 85.8 41.9 125.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.824 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW016884.D

Acq: 12 Oct 2020 16:14

Instrument :

MSVOA_W

ClientSampleId :

VW1013SBS01

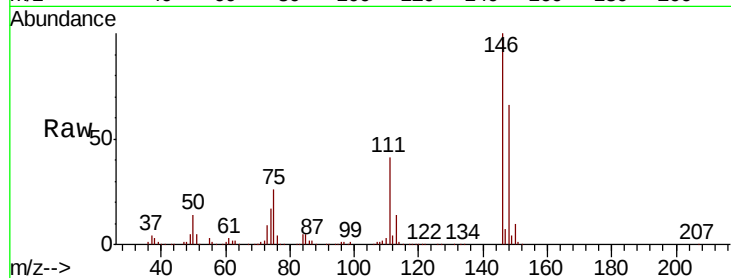
Tot Ion:146 Resp: 153454

Ion Ratio Lower Upper

146 100

111 39.7 20.1 60.3

148 64.0 33.1 99.3

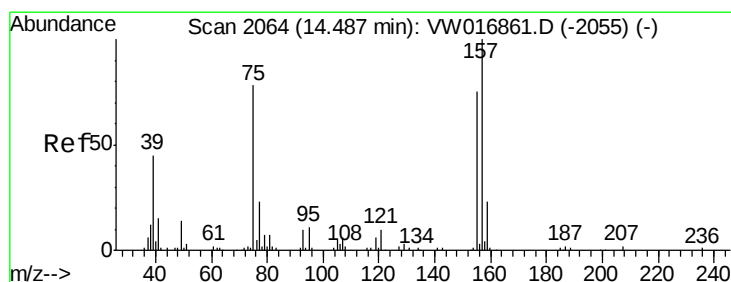
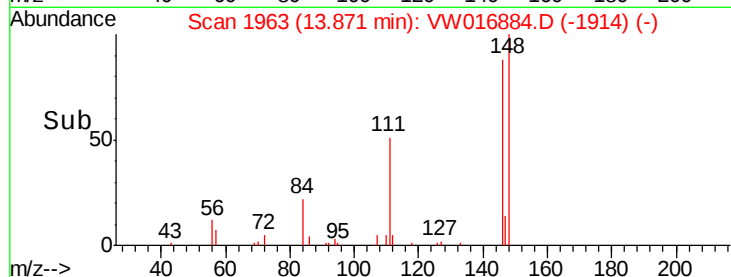
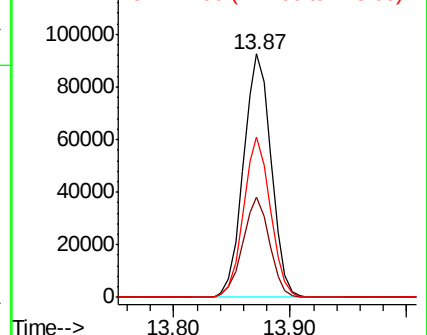


Abundance

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: 21.805 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW016884.D

Acq: 12 Oct 2020 16:14

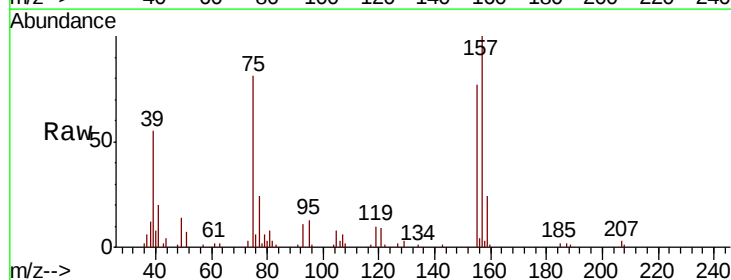
Tgt Ion: 75 Resp: 9361

Ion Ratio Lower Upper

75 100

155 93.8 47.6 142.8

157 121.3 62.2 186.6

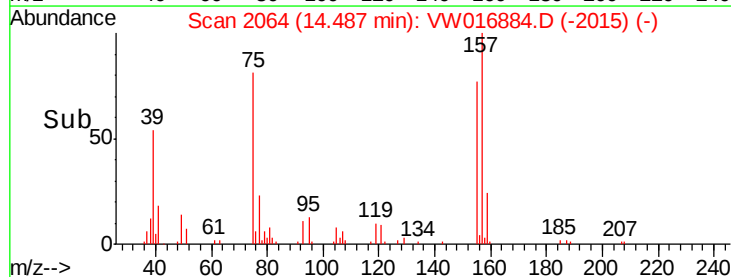
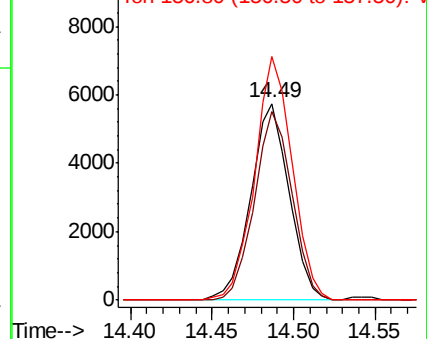


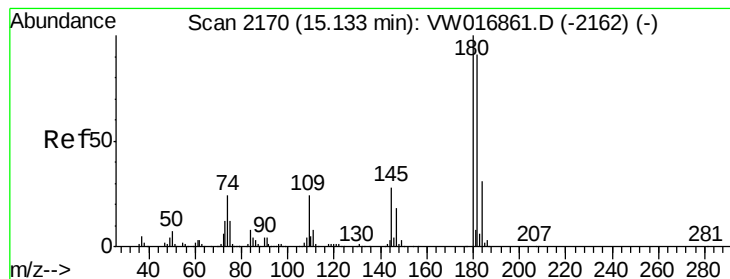
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 21.955 ug/l

RT: 15.13 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VW016884.D

Acq: 12 Oct 2020 16:14

Instrument :

MSVOA_W

ClientSampleId :

VW1013SBSD01

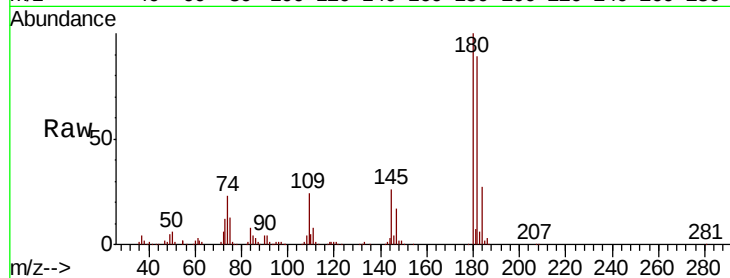
Tot Ion:180 Resp: 111631

Ion Ratio Lower Upper

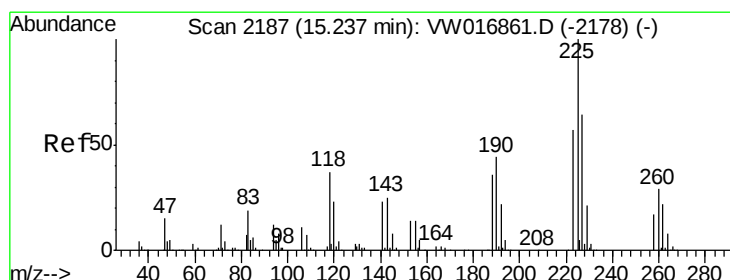
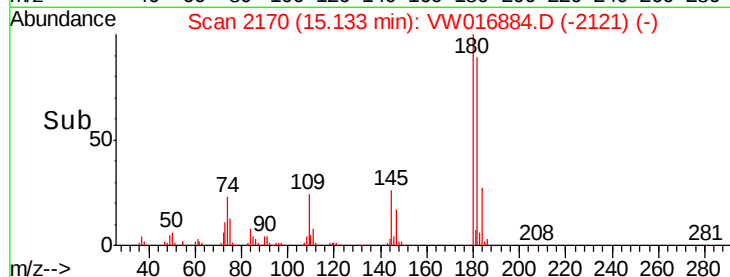
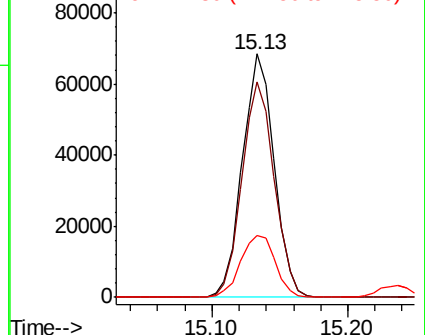
180 100

182 90.2 48.3 144.9

145 27.8 14.9 44.5



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



#94

Hexachlorobutadiene

Concen: 21.144 ug/l

RT: 15.24 min Scan# 2187

Delta R.T. 0.00 min

Lab File: VW016884.D

Acq: 12 Oct 2020 16:14

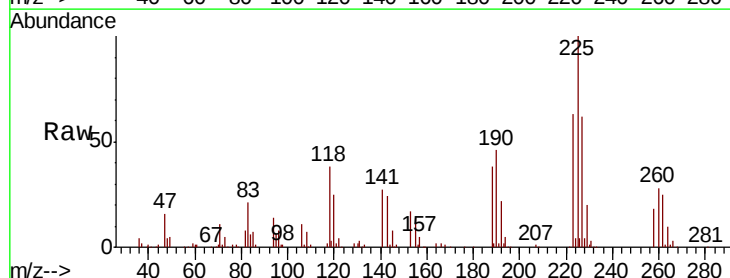
Tgt Ion:225 Resp: 69692

Ion Ratio Lower Upper

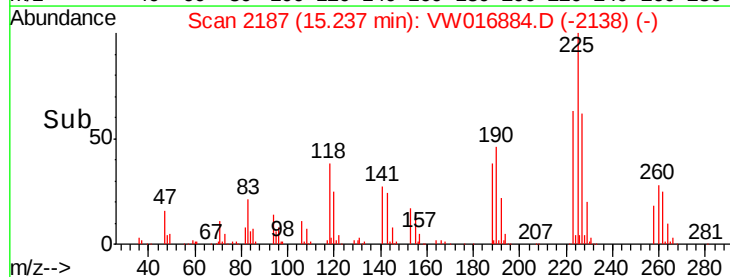
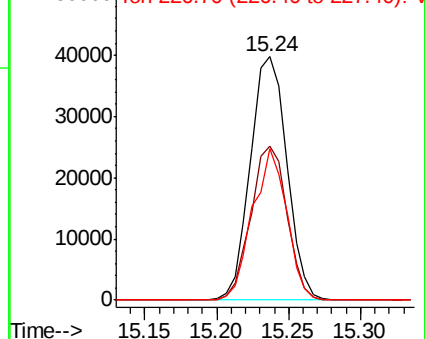
225 100

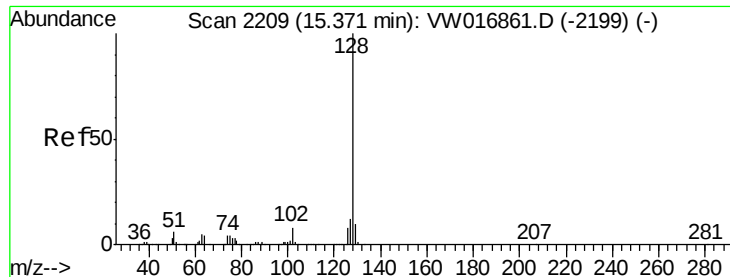
223 62.5 31.9 95.7

227 58.2 33.0 99.0



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

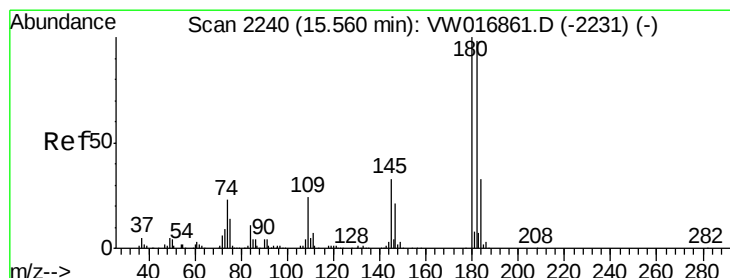
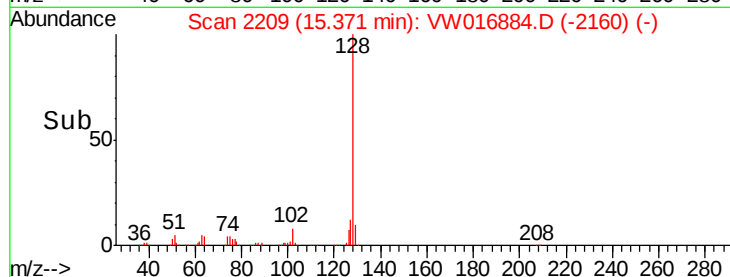
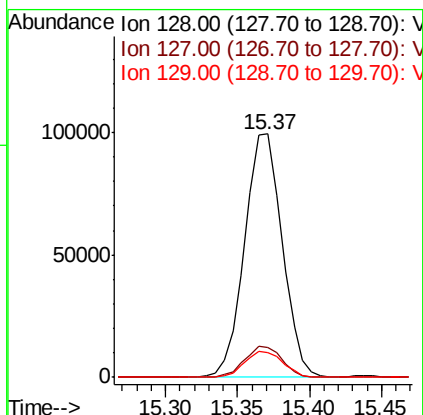
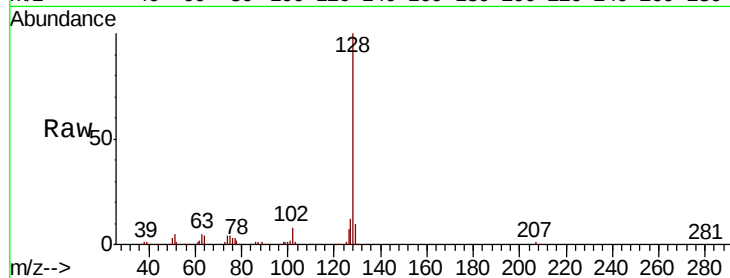




#95
Naphthalene
Concen: 21.786 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW016884.D
Acq: 12 Oct 2020 16:14

Instrument :
MSVOA_W
ClientSampleId :
VW1013SBSD01

Tot Ion:128 Resp: 180031
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 21.352 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW016884.D
Acq: 12 Oct 2020 16:14

Tgt Ion:180 Resp: 94447
Ion Ratio Lower Upper
180 100
182 97.4 49.4 148.2
145 31.5 16.3 48.9

