

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV101020\
 Data File : VW016858.D
 Acq On : 09 Oct 2020 13:26
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Quant Time: Oct 10 04:57:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101020S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 10 04:56:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	378150	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	539779	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	489552	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	248977	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	15610	5.07	ug/l	0.00
Spiked Amount			Recovery	=	10.14%	
35) Dibromofluoromethane	7.88	113	17169	5.19	ug/l	0.00
Spiked Amount			Recovery	=	10.38%	
50) Toluene-d8	10.32	98	62154	5.01	ug/l	0.00
Spiked Amount			Recovery	=	10.02%	
62) 4-Bromofluorobenzene	12.62	95	20742	4.85	ug/l	0.00
Spiked Amount			Recovery	=	9.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	11224	5.442	ug/l	96
3) Chloromethane	2.21	50	12848	5.681	ug/l	98
4) Vinyl Chloride	2.37	62	17455	5.337	ug/l	97
5) Bromomethane	2.78	94	13465	5.361	ug/l	91
6) Chloroethane	2.92	64	11227	5.395	ug/l	93
7) Trichlorofluoromethane	3.26	101	11133	4.676	ug/l	96
8) Diethyl Ether	3.68	74	7747	5.209	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.07	101	17584	5.485	ug/l	100
10) Methyl Iodide	4.28	142	26167	5.105	ug/l	99
11) Tert butyl alcohol	5.19	59	785	4.834	ug/l #	1
12) 1,1-Dichloroethene	4.04	96	16344	5.165	ug/l	100
13) Acrolein	3.90	56	5381	26.478	ug/l	97
14) Allyl chloride	4.67	41	18929	4.997	ug/l	98
15) Acrylonitrile	5.37	53	12513	25.278	ug/l	96
16) Acetone	4.14	43	14218	28.540	ug/l	98
17) Carbon Disulfide	4.39	76	42812	5.085	ug/l	99
18) Methyl Acetate	4.68	43	6360	5.566	ug/l	95
19) Methyl tert-butyl Ether	5.43	73	17489	5.128	ug/l	95
20) Methylene Chloride	4.92	84	29378	7.442	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	18530	5.216	ug/l	91
22) Diisopropyl ether	6.31	45	34196	4.967	ug/l #	87
23) Vinyl Acetate	6.26	43	103314	23.420	ug/l	98
24) 1,1-Dichloroethane	6.21	63	28303	5.185	ug/l	97
25) 2-Butanone	7.18	43	17418	26.226	ug/l	96
26) 2,2-Dichloropropane	7.17	77	18413	5.513	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	19216	5.050	ug/l	97
28) Bromochloromethane	7.51	49	11092	5.077	ug/l	99
29) Tetrahydrofuran	7.53	42	9641	25.916	ug/l	94
30) Chloroform	7.68	83	30631	5.161	ug/l	99
31) Cyclohexane	7.96	56	28391	6.097	ug/l #	76
32) 1,1,1-Trichloroethane	7.88	97	26129	5.220	ug/l	99
36) 1,1-Dichloropropene	8.08	75	24352	5.217	ug/l	99
37) Ethyl Acetate	7.26	43	7598	4.984	ug/l #	78
38) Carbon Tetrachloride	8.07	117	25233	5.201	ug/l	96

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 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Quant Time: Oct 10 04:57:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101020S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 10 04:56:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	26751	5.027	ug/l	96
40) Benzene	8.32	78	68368	5.258	ug/l	95
41) Methacrylonitrile	7.49	41	4568	6.983	ug/l	94
42) 1,2-Dichloroethane	8.40	62	18696	5.257	ug/l	99
43) Isopropyl Acetate	8.43	43	14431	4.941	ug/l	98
44) Trichloroethene	9.09	130	21518	5.347	ug/l	95
45) 1,2-Dichloropropane	9.37	63	15463	5.215	ug/l	92
46) Dibromomethane	9.46	93	8921	5.260	ug/l	99
47) Bromodichloromethane	9.65	83	21128	5.010	ug/l	98
48) Methyl methacrylate	9.44	41	6032	4.482	ug/l #	90
49) 1,4-Dioxane	9.47	88	2037	104.423	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	37737	25.541	ug/l	99
52) Toluene	10.39	92	45065	5.243	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	17444	4.544	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	22055	4.704	ug/l #	89
55) 1,1,2-Trichloroethane	10.79	97	12298	5.095	ug/l	92
56) Ethyl methacrylate	10.65	69	12185	4.640	ug/l	99
57) 1,3-Dichloropropane	10.93	76	20724	5.189	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	34101	23.434	ug/l	99
59) 2-Hexanone	10.98	43	23413	23.950	ug/l	96
60) Dibromochloromethane	11.13	129	14776	4.991	ug/l	98
61) 1,2-Dibromoethane	11.24	107	12333	5.159	ug/l	99
64) Tetrachloroethene	10.86	164	18376	5.269	ug/l	96
65) Chlorobenzene	11.66	112	50567	5.266	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	16895	4.975	ug/l	98
67) Ethyl Benzene	11.73	91	83842	5.011	ug/l	99
68) m/p-Xylenes	11.84	106	64556	9.920	ug/l	99
69) o-Xylene	12.16	106	28232	4.727	ug/l	96
70) Styrene	12.18	104	47370	4.766	ug/l	99
71) Bromoform	12.35	173	7844	4.601	ug/l #	96
73) Isopropylbenzene	12.46	105	82630	4.993	ug/l	98
74) N-amyl acetate	12.27	43	12176	4.581	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	13415	5.167	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	15463	9.627	ug/l	33
77) Bromobenzene	12.75	156	21166	5.174	ug/l	97
78) n-propylbenzene	12.80	91	94617	4.958	ug/l	99
79) 2-Chlorotoluene	12.90	91	54281	4.986	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	67882	4.895	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	2918	4.222	ug/l	86
82) 4-Chlorotoluene	12.99	91	56484	5.026	ug/l	100
83) tert-Butylbenzene	13.21	119	57597	4.782	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	66813	4.835	ug/l	99
85) sec-Butylbenzene	13.38	105	82788	4.938	ug/l	100
86) p-Isopropyltoluene	13.50	119	75067	4.808	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	41618	5.261	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	41039	5.264	ug/l	95
89) n-Butylbenzene	13.82	91	68364	4.861	ug/l	99
90) Hexachloroethane	14.10	117	11296	4.689	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	35177	5.154	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1959	4.927	ug/l	93

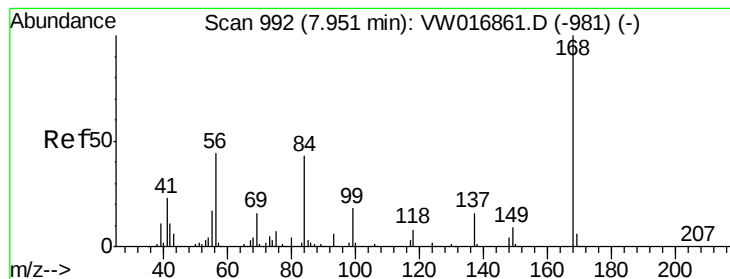
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101020\
Data File : VW016858.D
Acq On : 09 Oct 2020 13:26
Operator : SY/VA
Sample : VSTDICC005
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Quant Time: Oct 10 04:57:37 2020
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Quant Title : SW846 8260
QLast Update : Sat Oct 10 04:56:35 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	22314	4.738	ug/l	97
94) Hexachlorobutadiene	15.24	225	15322	5.019	ug/l	97
95) Naphthalene	15.37	128	31736	4.146	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	19774	4.827	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW016858.D

Acq: 09 Oct 2020 13:26

Instrument :

MSVOA_W

ClientSampleId :

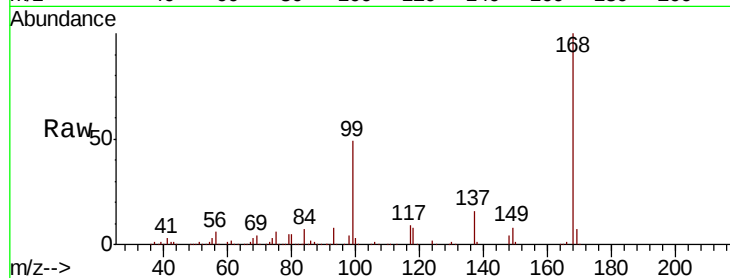
VSTDIC005

Tot Ion:168 Resp: 378150

Ion Ratio Lower Upper

168 100

99 49.1 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

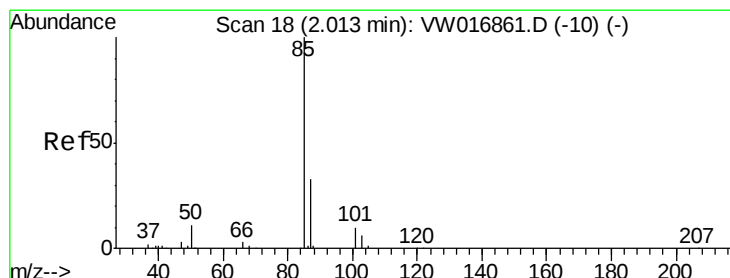
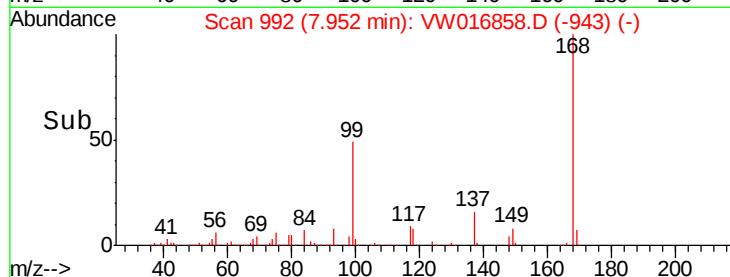
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.442 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW016858.D

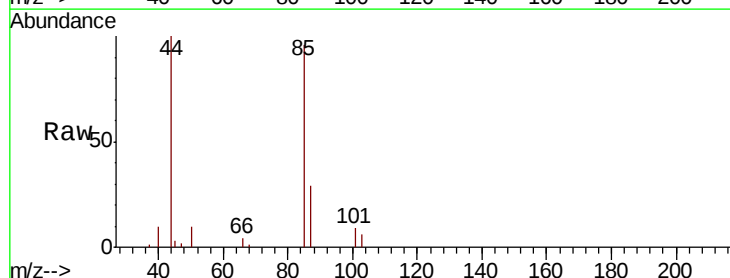
Acq: 09 Oct 2020 13:26

Tgt Ion: 85 Resp: 11224

Ion Ratio Lower Upper

85 100

87 30.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

5000

4000

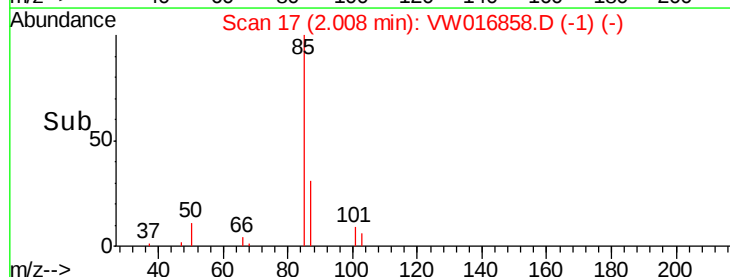
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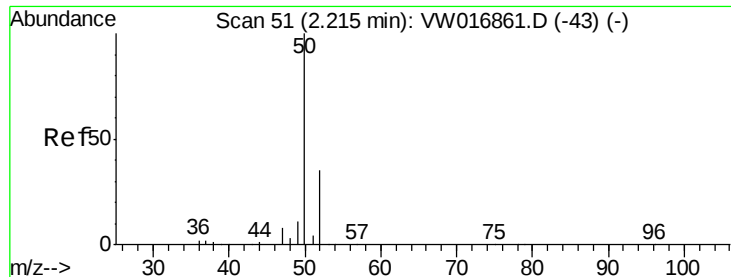
2000

1000

0

Time-->





#3

Chloromethane

Concen: 5.681 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW016858.D

Acq: 09 Oct 2020 13:26

Instrument :

MSVOA_W

ClientSampleId :

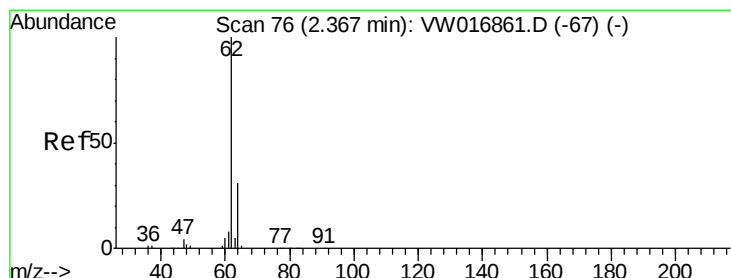
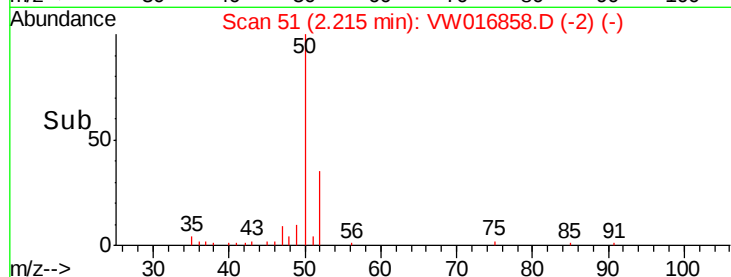
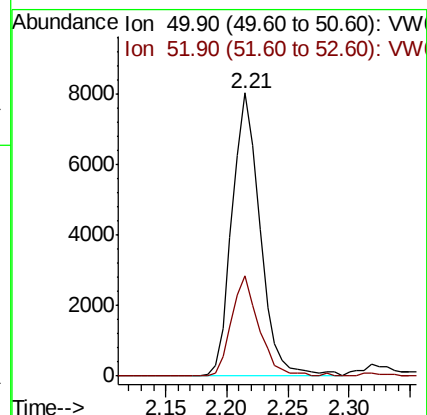
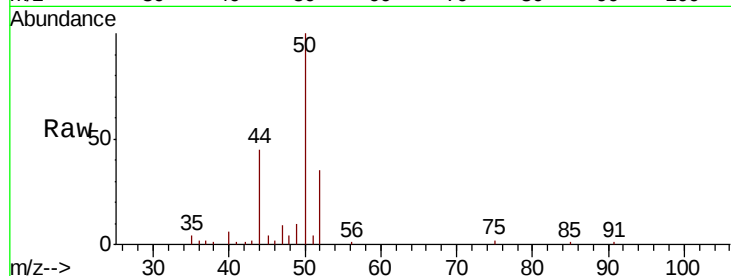
VSTDIC005

Tot Ion: 50 Resp: 12848

Ion Ratio Lower Upper

50 100

52 35.4 27.6 41.4



#4

Vinyl Chloride

Concen: 5.337 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016858.D

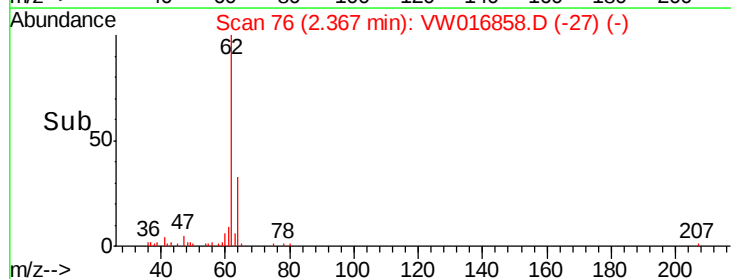
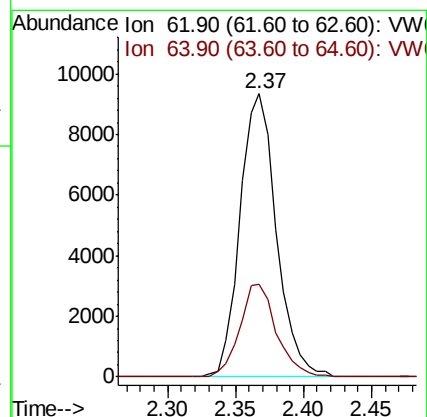
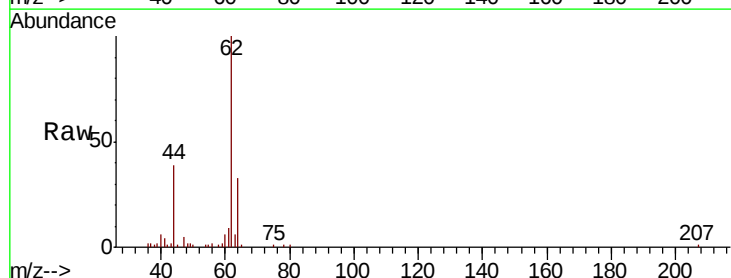
Acq: 09 Oct 2020 13:26

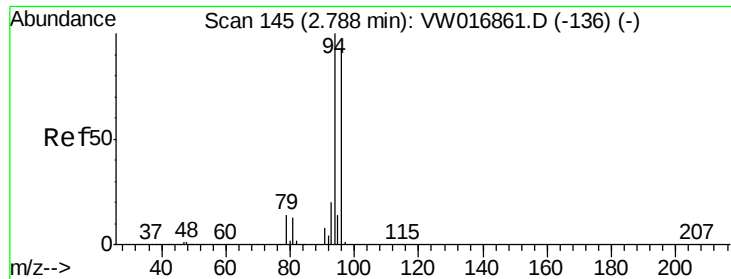
Tgt Ion: 62 Resp: 17455

Ion Ratio Lower Upper

62 100

64 32.6 25.0 37.4





#5

Bromomethane

Concen: 5.361 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW016858.D

Acq: 09 Oct 2020 13:26

Instrument :

MSVOA_W

ClientSampleId :

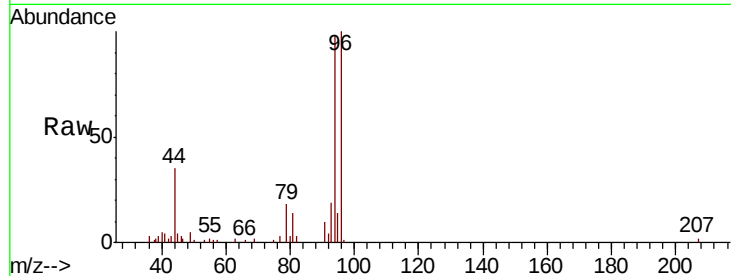
VSTDIC005

Tot Ion: 94 Resp: 13465

Ion Ratio Lower Upper

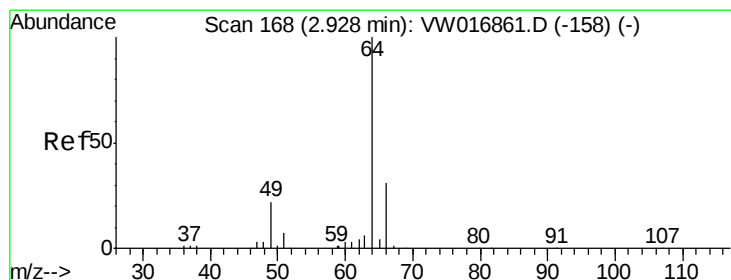
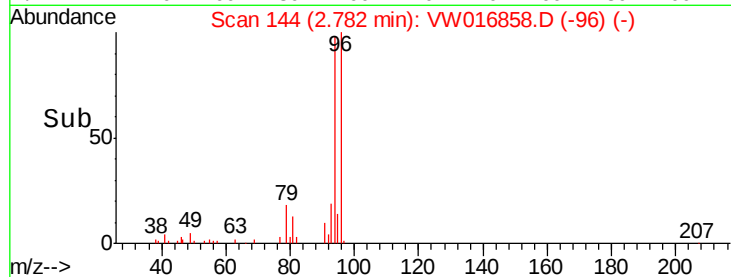
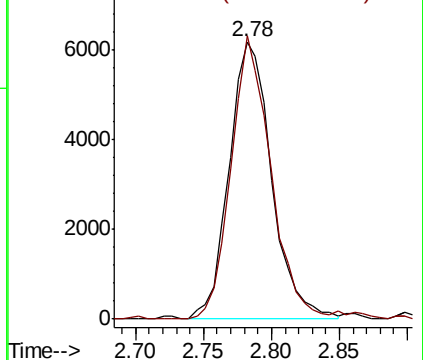
94 100

96 102.0 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 5.395 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW016858.D

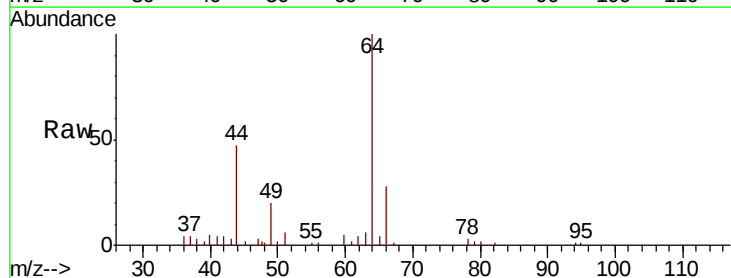
Acq: 09 Oct 2020 13:26

Tgt Ion: 64 Resp: 11227

Ion Ratio Lower Upper

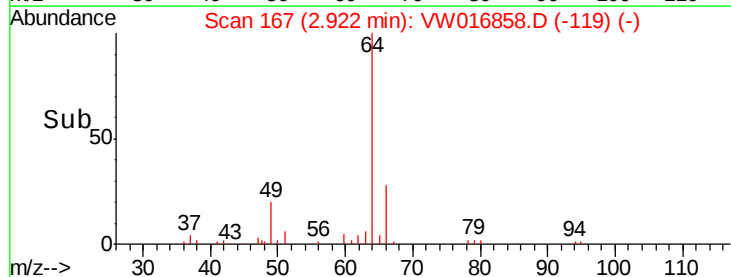
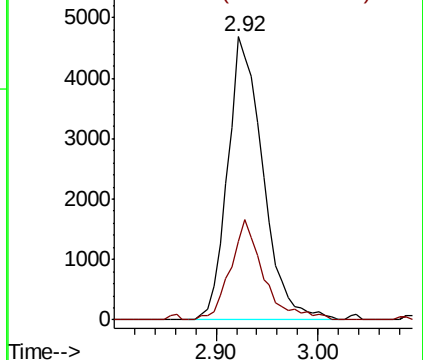
64 100

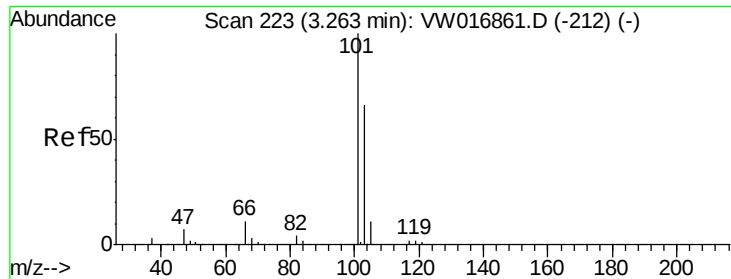
66 27.6 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



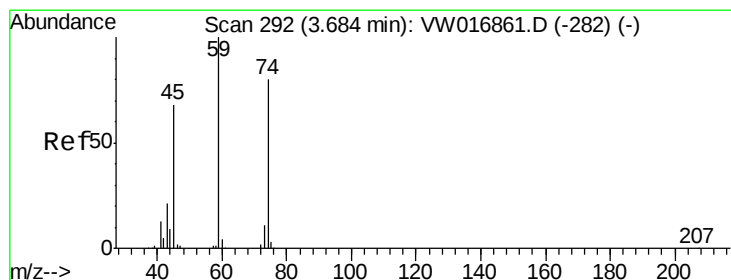
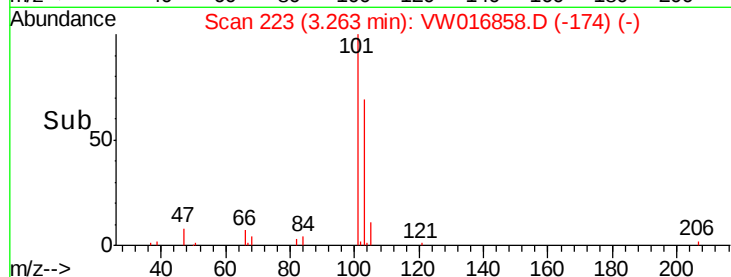
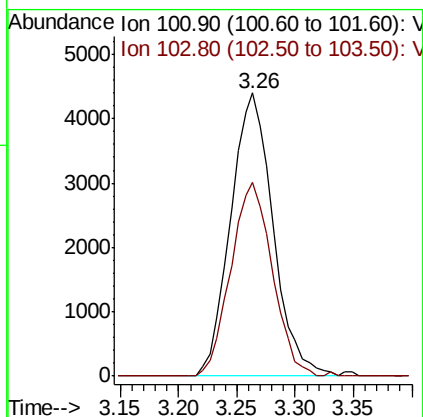
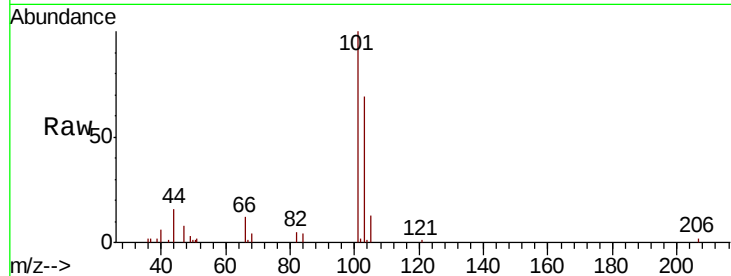


#7

Trichlorofluoromethane
 Concen: 4.676 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW016858.D
 Acq: 09 Oct 2020 13:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

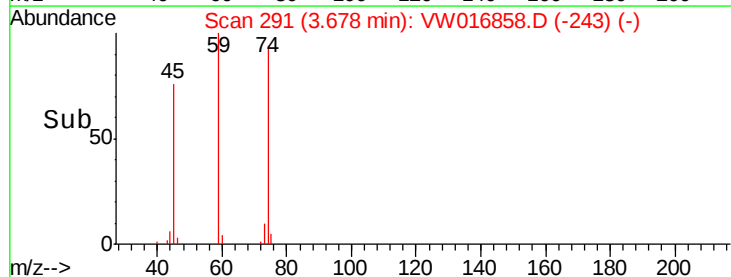
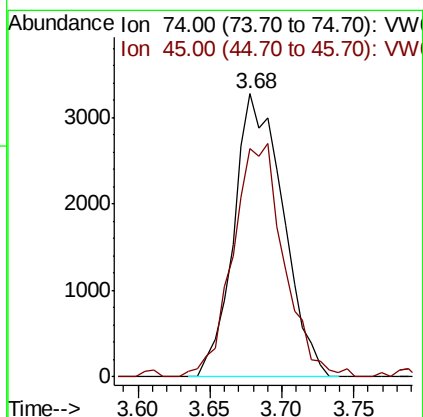
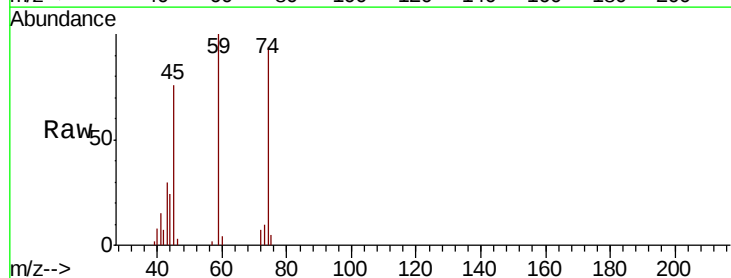
Tot Ion:101 Resp: 11133
 Ion Ratio Lower Upper
 101 100
 103 68.6 52.6 79.0

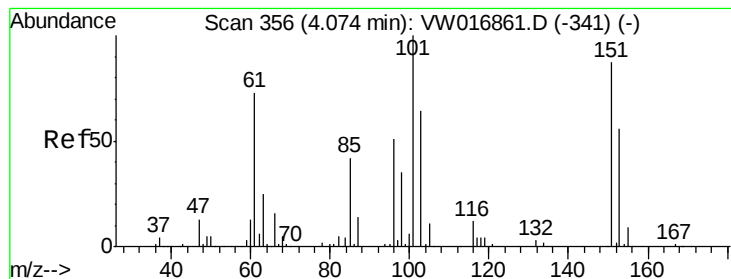


#8

Diethyl Ether
 Concen: 5.209 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW016858.D
 Acq: 09 Oct 2020 13:26

Tgt Ion: 74 Resp: 7747
 Ion Ratio Lower Upper
 74 100
 45 85.5 41.1 123.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.485 ug/l

RT: 4.07 min Scan# 356

Delta R.T. 0.00 min

Lab File: VW016858.D

Acq: 09 Oct 2020 13:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

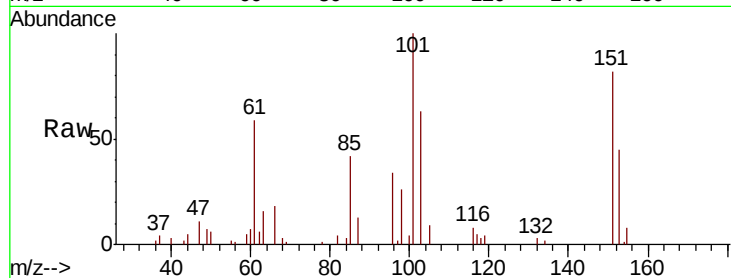
Tot Ion:101 Resp: 17584

Ion Ratio Lower Upper

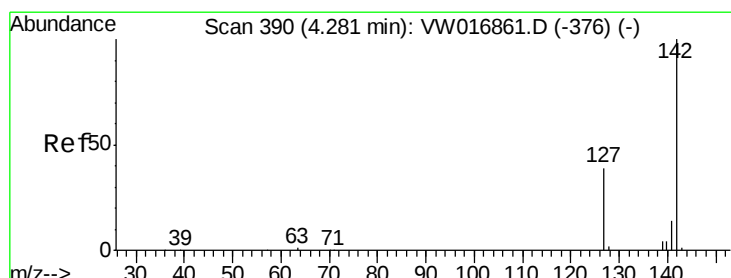
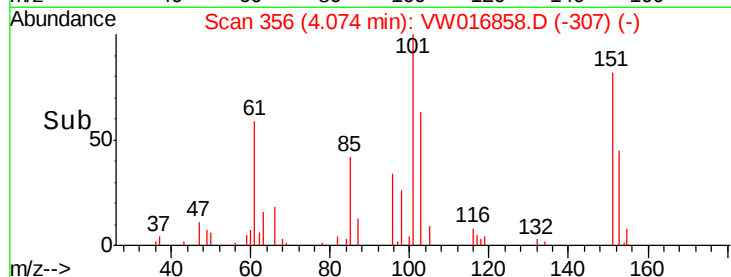
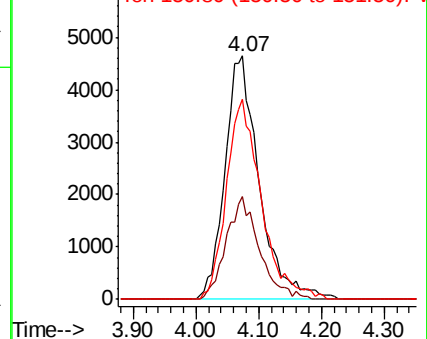
101 100

85 40.9 33.2 49.8

151 83.4 66.6 100.0



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



#10

Methyl Iodide

Concen: 5.105 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.01 min

Lab File: VW016858.D

Acq: 09 Oct 2020 13:26

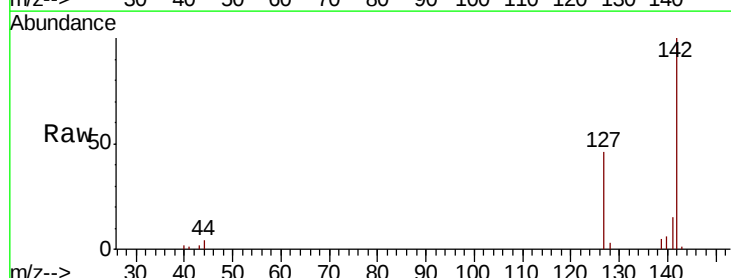
Tgt Ion:142 Resp: 26167

Ion Ratio Lower Upper

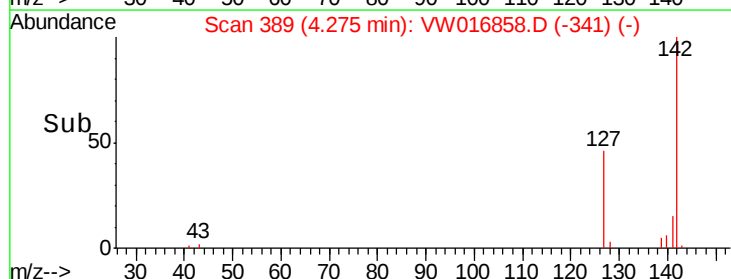
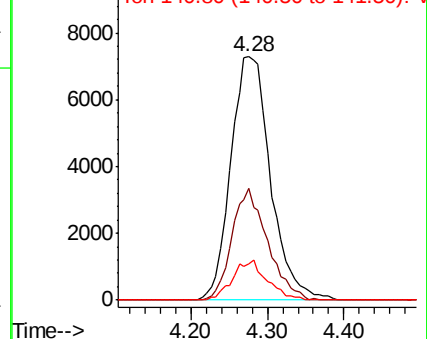
142 100

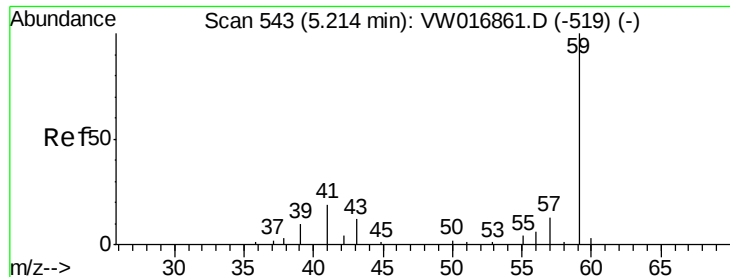
127 41.0 32.4 48.6

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

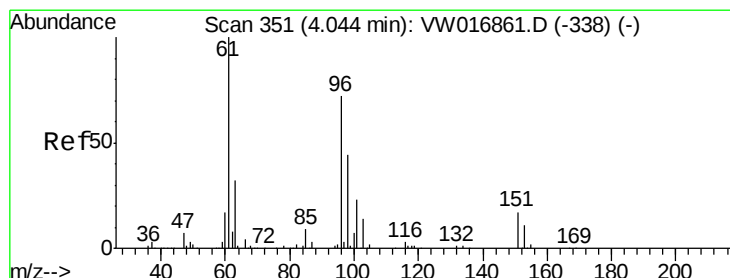
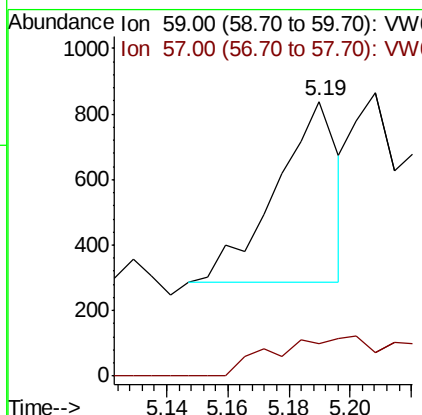
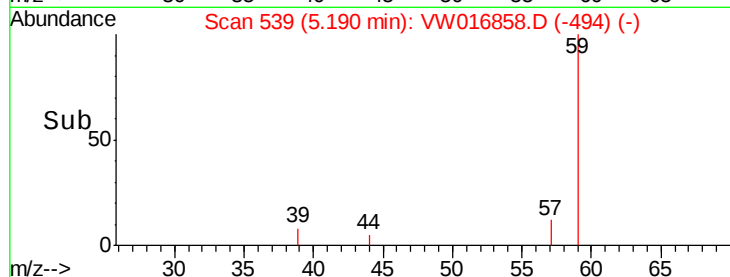
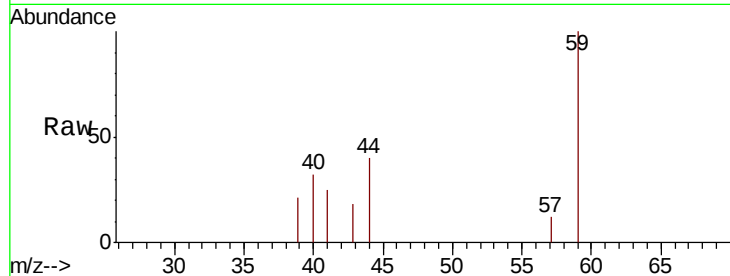




#11
Tert butyl alcohol
Concen: 4.834 ug/l
RT: 5.19 min Scan# 539
Delta R.T. -0.02 min
Lab File: VW016858.D
Acq: 09 Oct 2020 13:26

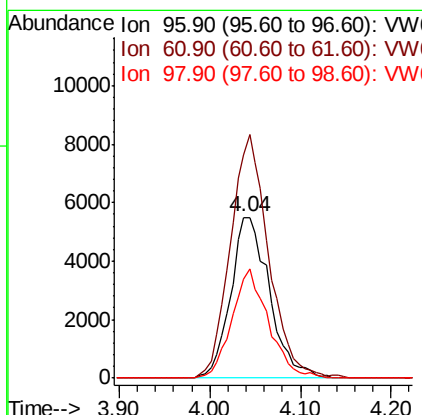
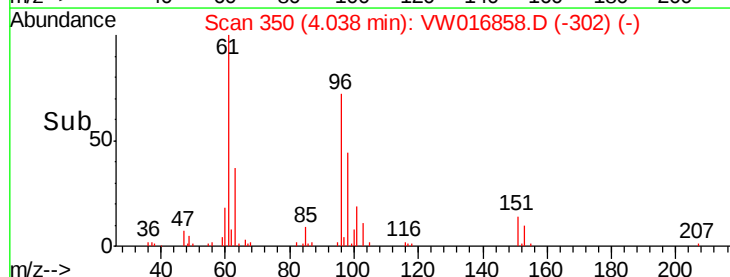
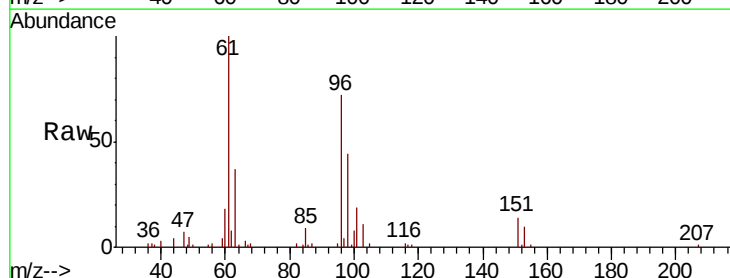
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

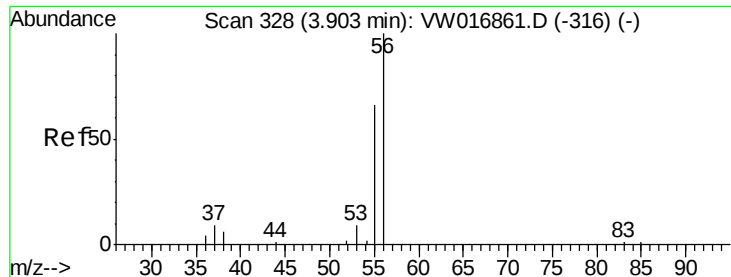
Tot Ion: 59 Resp: 785
Ion Ratio Lower Upper
59 100
57 43.4 4.7 7.1#



#12
1,1-Dichloroethene
Concen: 5.165 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW016858.D
Acq: 09 Oct 2020 13:26

Tgt Ion: 96 Resp: 16344
Ion Ratio Lower Upper
96 100
61 138.8 111.7 167.5
98 61.2 49.0 73.4





#13

Acrolein

Concen: 26.478 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.00 min

Lab File: VW016858.D

Acq: 09 Oct 2020 13:26

Instrument :

MSVOA_W

ClientSampleId :

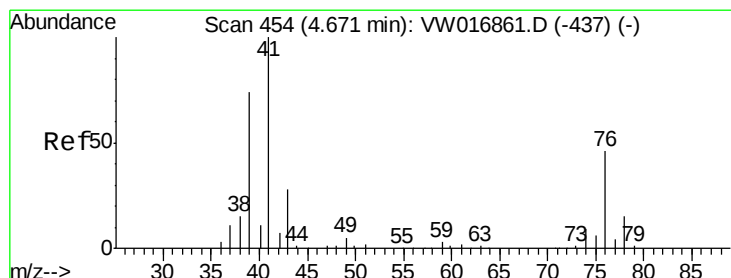
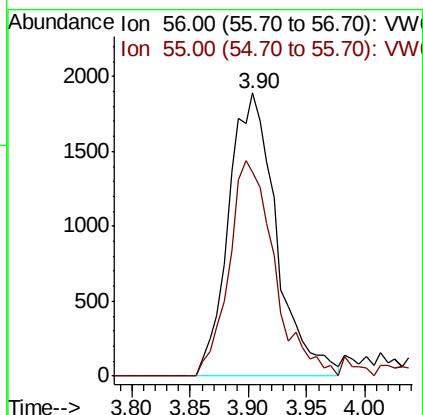
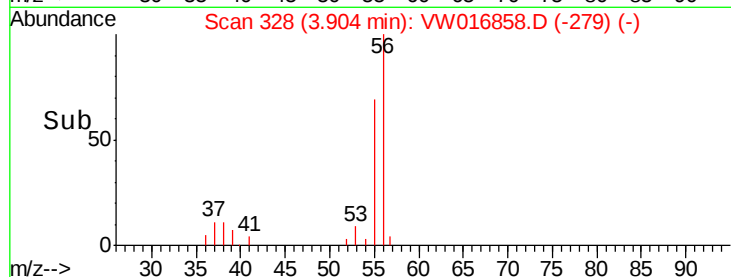
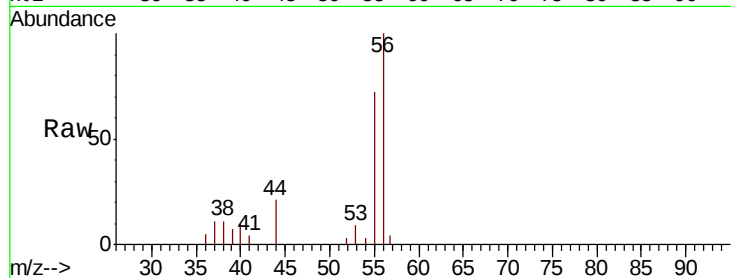
VSTDIC005

Tot Ion: 56 Resp: 5381

Ion Ratio Lower Upper

56 100

55 72.3 55.9 83.9



#14

Allyl chloride

Concen: 4.997 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW016858.D

Acq: 09 Oct 2020 13:26

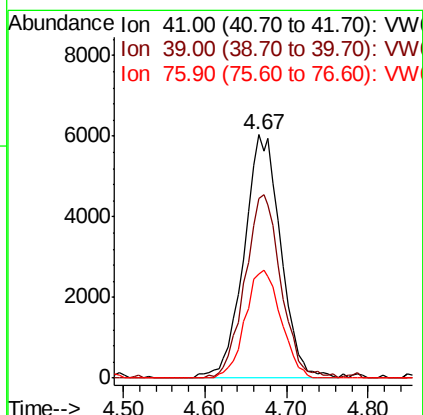
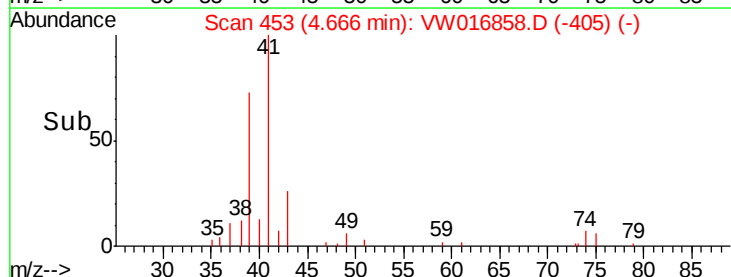
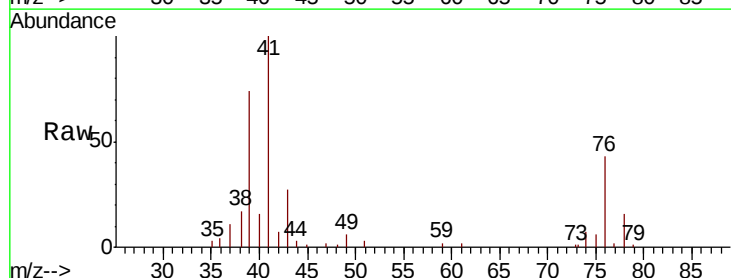
Tgt Ion: 41 Resp: 18929

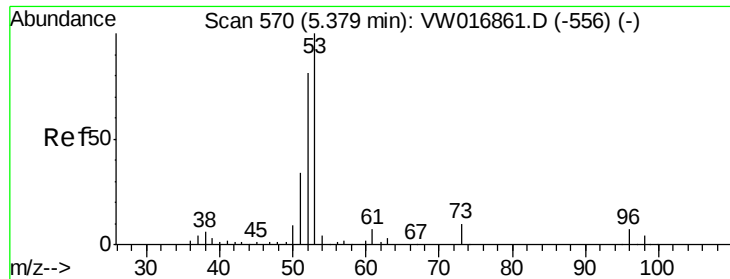
Ion Ratio Lower Upper

41 100

39 73.7 57.8 86.8

76 42.8 35.1 52.7





#15

Acrylonitrile

Concen: 25.278 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW016858.D

Acq: 09 Oct 2020 13:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

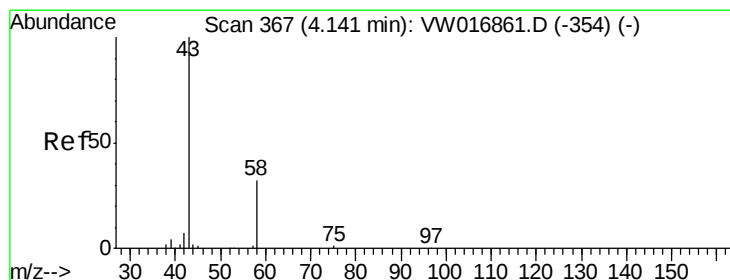
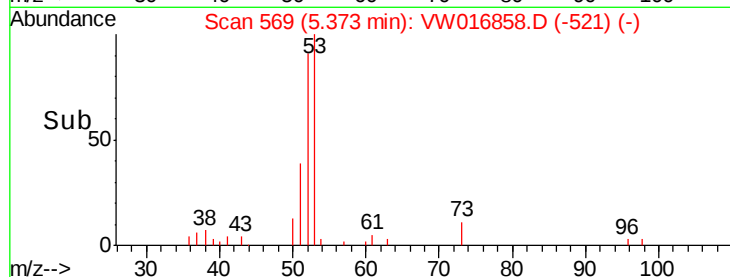
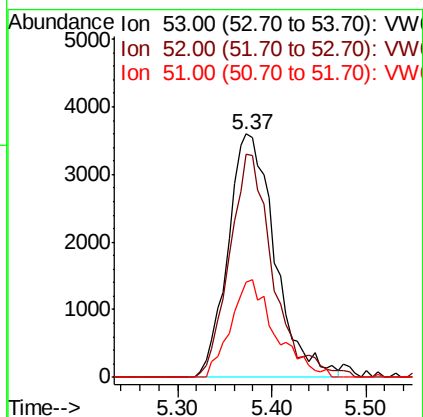
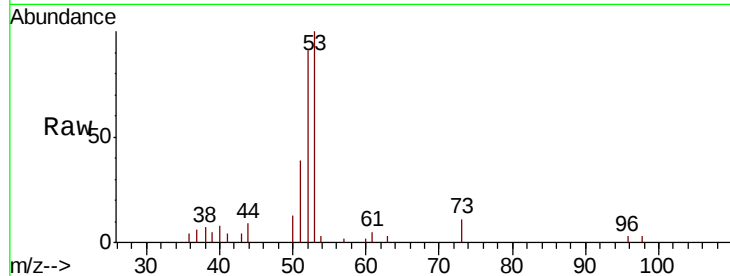
Tot Ion: 53 Resp: 12513

Ion Ratio Lower Upper

53 100

52 84.7 65.0 97.4

51 38.0 29.1 43.7



#16

Acetone

Concen: 28.540 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW016858.D

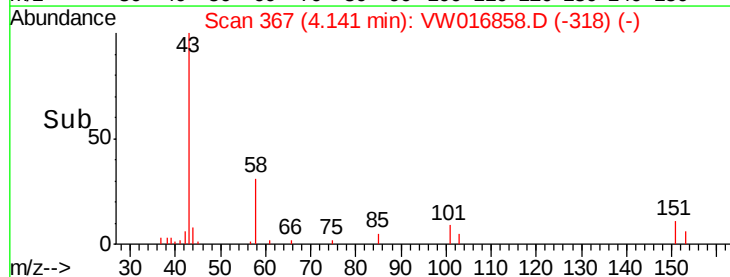
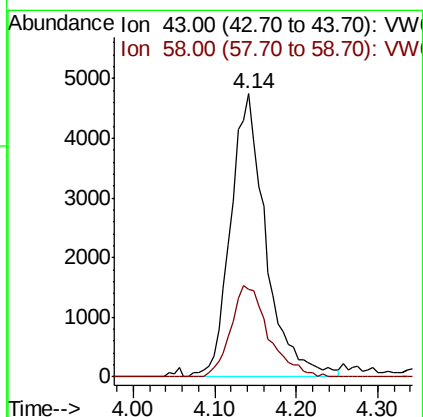
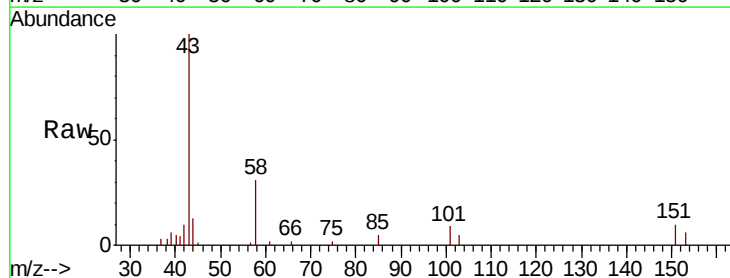
Acq: 09 Oct 2020 13:26

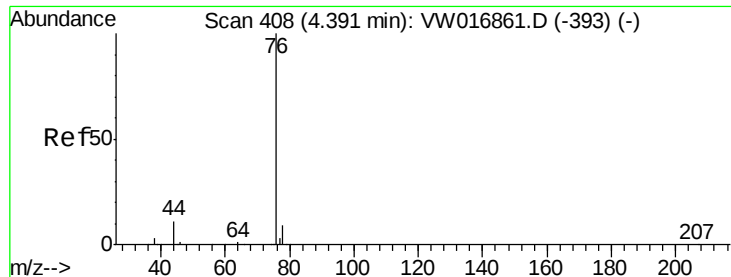
Tgt Ion: 43 Resp: 14218

Ion Ratio Lower Upper

43 100

58 31.0 25.7 38.5

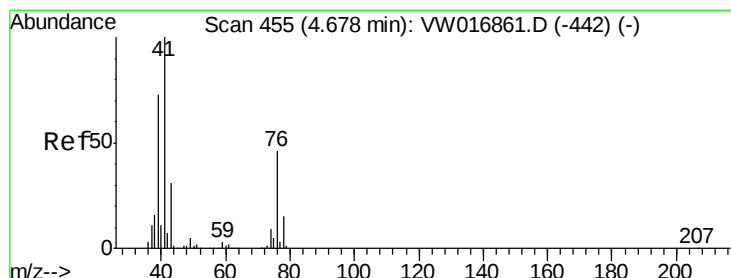
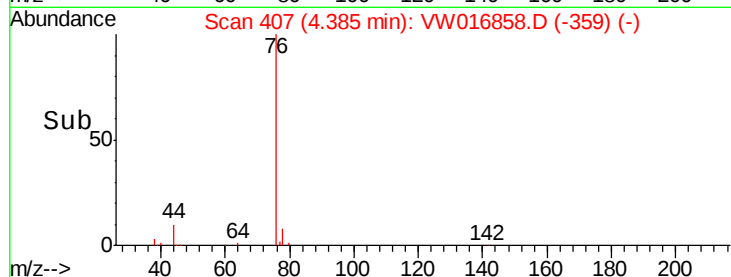
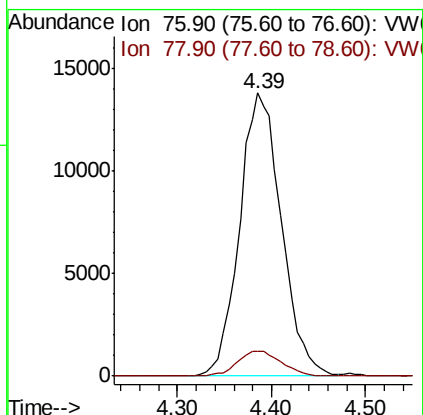
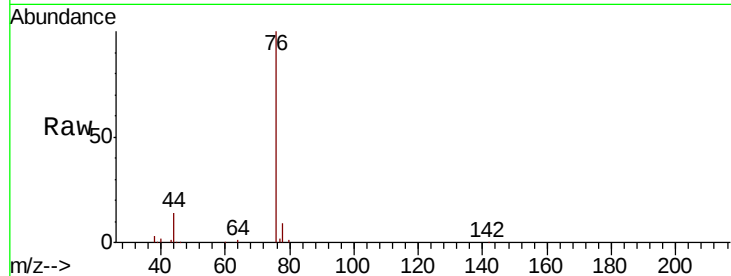




#17
Carbon Disulfide
Concen: 5.085 ug/l
RT: 4.39 min Scan# 407
Delta R.T. -0.01 min
Lab File: VW016858.D
Acq: 09 Oct 2020 13:26

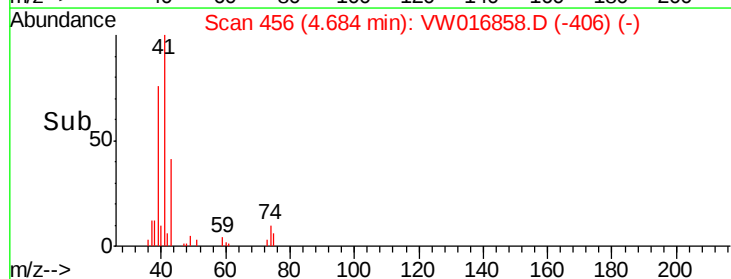
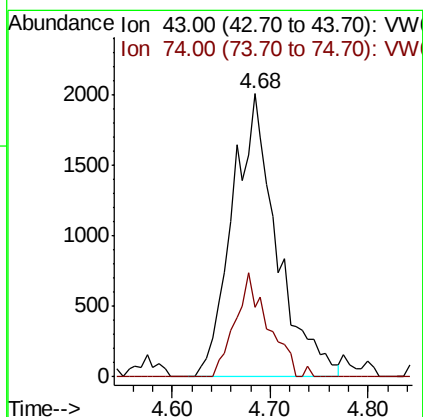
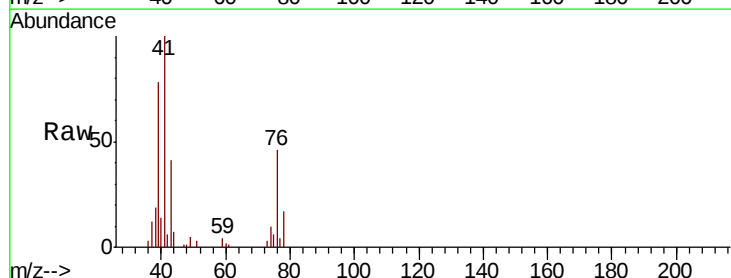
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

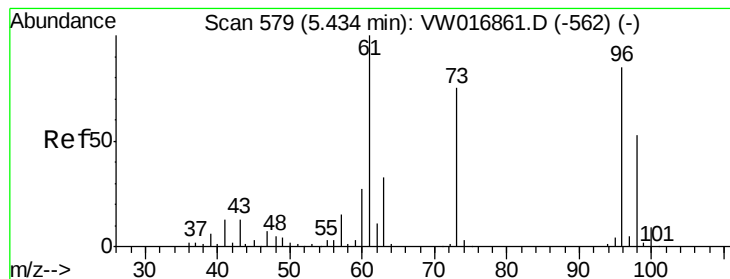
Tot Ion: 76 Resp: 42812
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2



#18
Methyl Acetate
Concen: 5.566 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW016858.D
Acq: 09 Oct 2020 13:26

Tgt Ion: 43 Resp: 6360
Ion Ratio Lower Upper
43 100
74 26.8 23.8 35.6



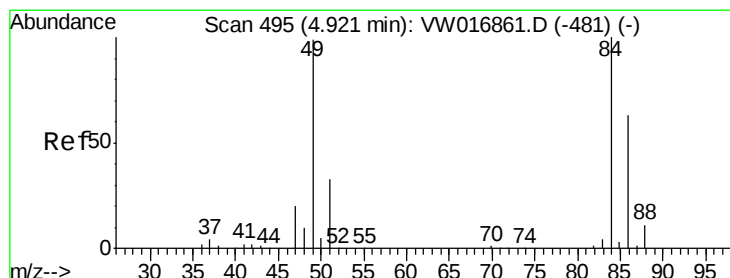
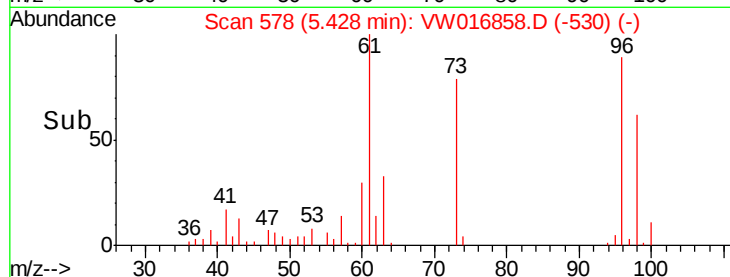
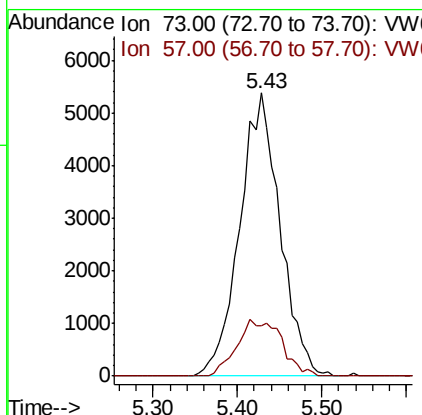
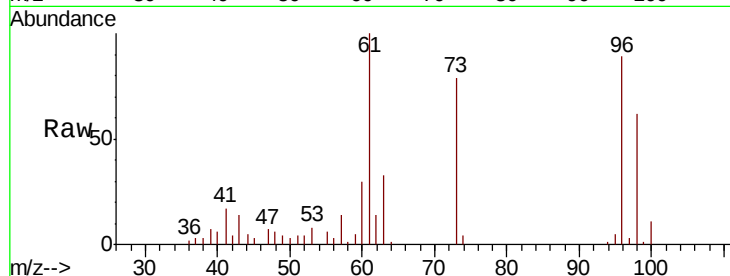


#19

Methyl tert-butyl Ether
 Concen: 5.128 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: VW016858.D
 Acq: 09 Oct 2020 13:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

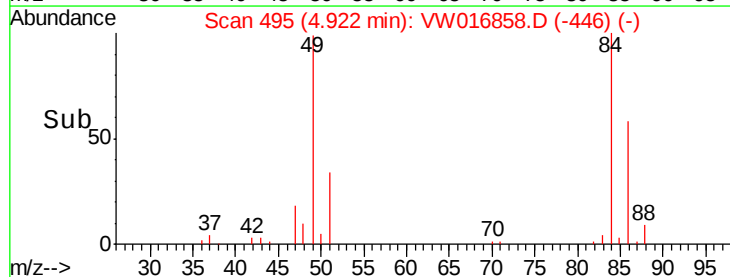
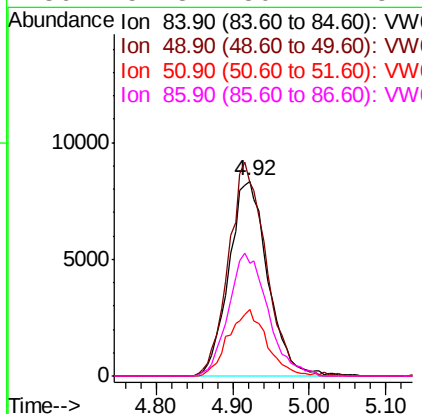
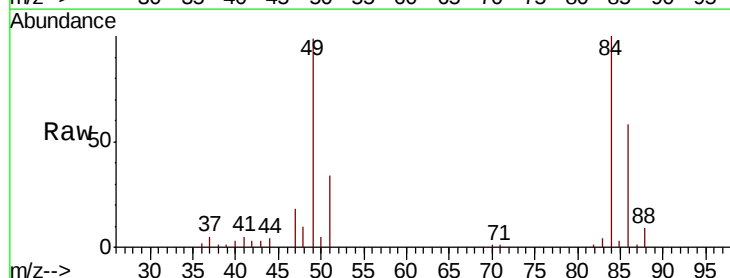
Tot Ion: 73 Resp: 17489
 Ion Ratio Lower Upper
 73 100
 57 18.0 16.1 24.1

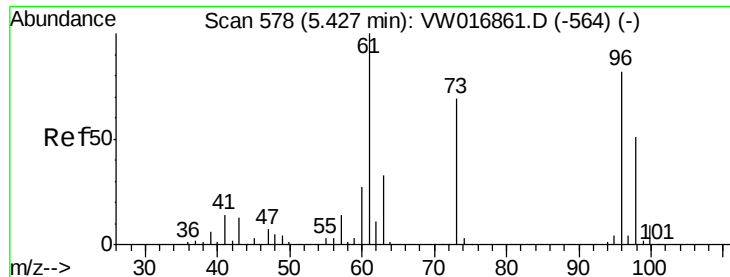


#20

Methylene Chloride
 Concen: 7.442 ug/l
 RT: 4.92 min Scan# 495
 Delta R.T. 0.00 min
 Lab File: VW016858.D
 Acq: 09 Oct 2020 13:26

Tgt Ion: 84 Resp: 29378
 Ion Ratio Lower Upper
 84 100
 49 99.2 79.0 118.6
 51 34.0 26.1 39.1
 86 57.8 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 5.216 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW016858.D

Acq: 09 Oct 2020 13:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

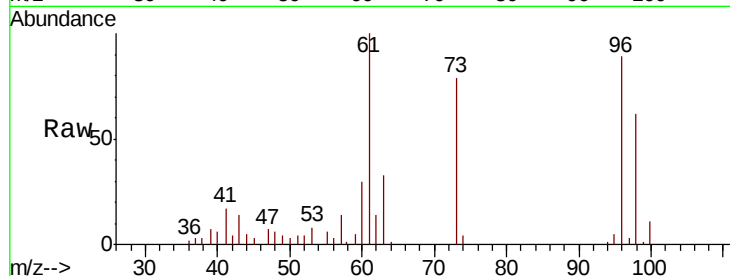
Tot Ion: 96 Resp: 18530

Ion Ratio Lower Upper

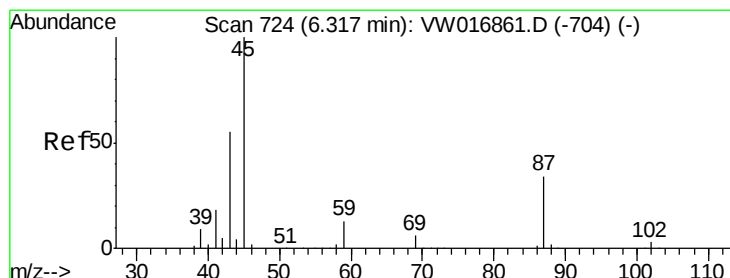
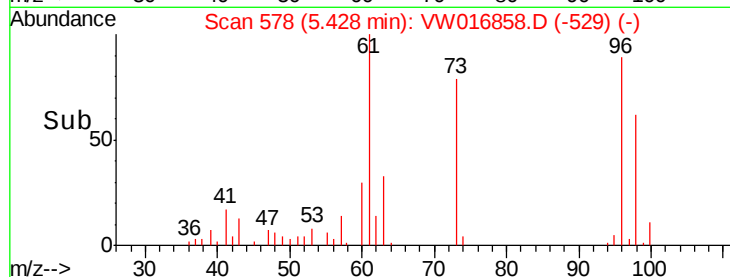
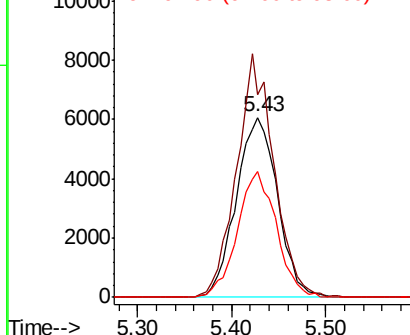
96 100

61 112.8 97.4 146.0

98 69.8 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: 4.967 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW016858.D

Acq: 09 Oct 2020 13:26

Tgt Ion: 45 Resp: 34196

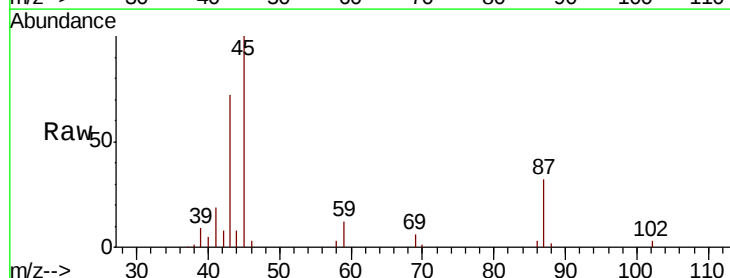
Ion Ratio Lower Upper

45 100

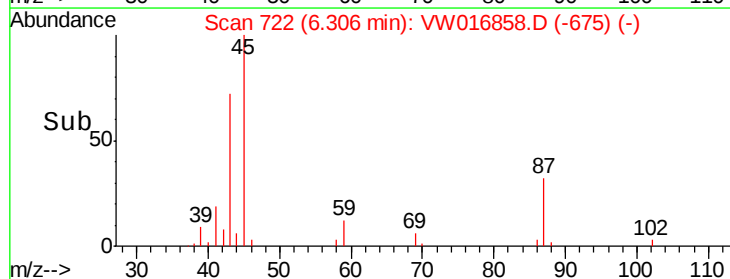
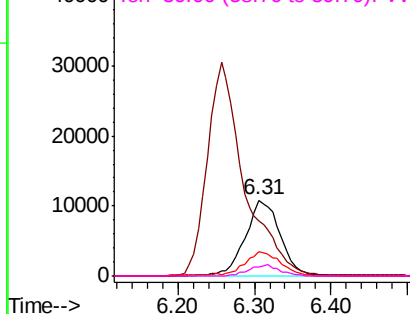
43 70.5 43.8 65.8#

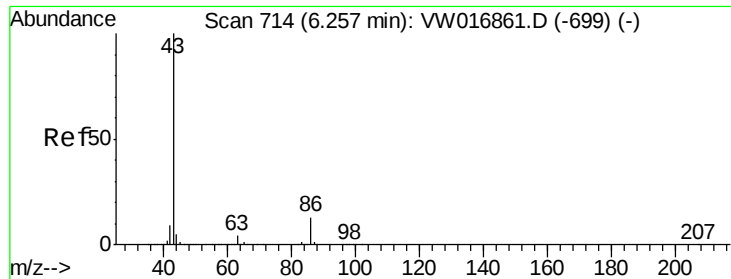
87 32.4 27.6 41.4

59 11.9 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

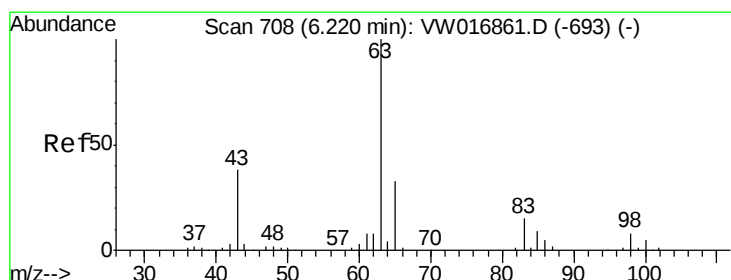
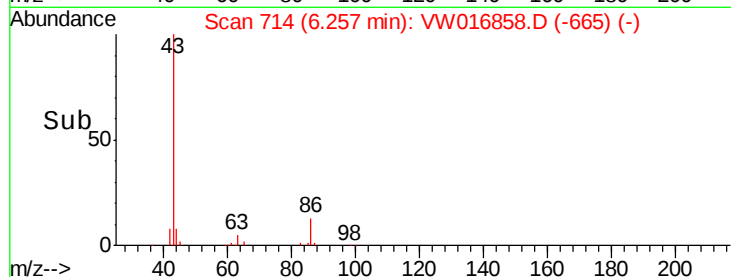
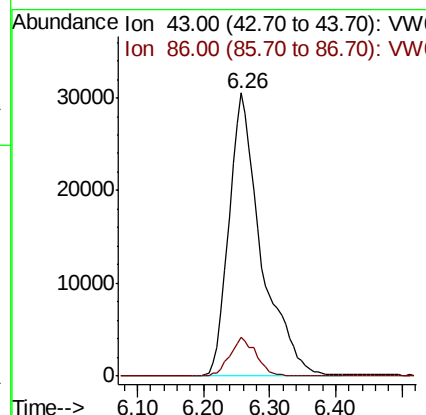
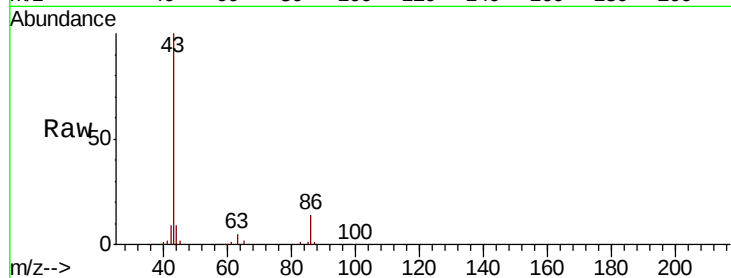




#23
 Vinyl Acetate
 Concen: 23.420 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.00 min
 Lab File: VW016858.D
 Acq: 09 Oct 2020 13:26

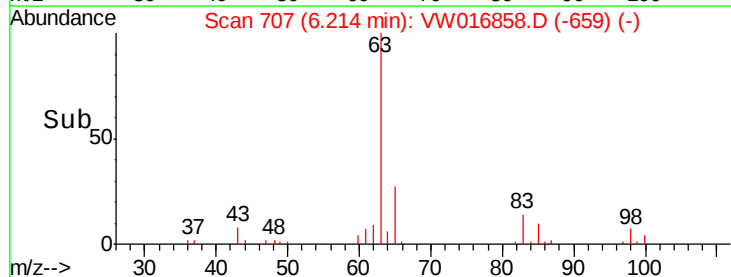
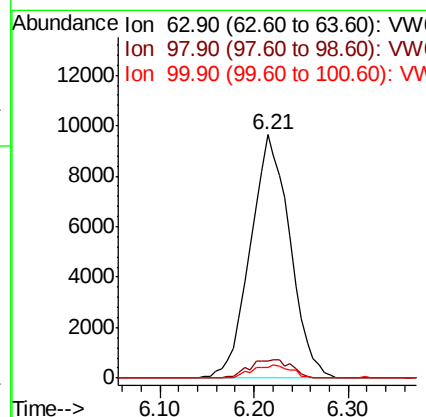
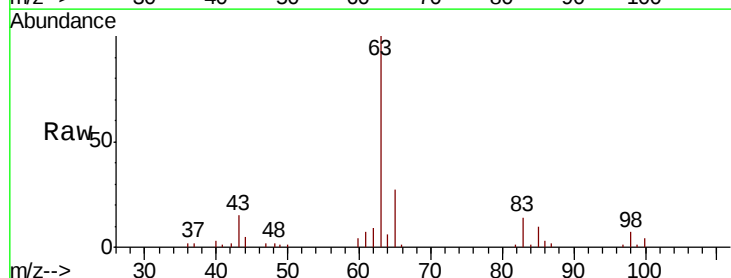
Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC005

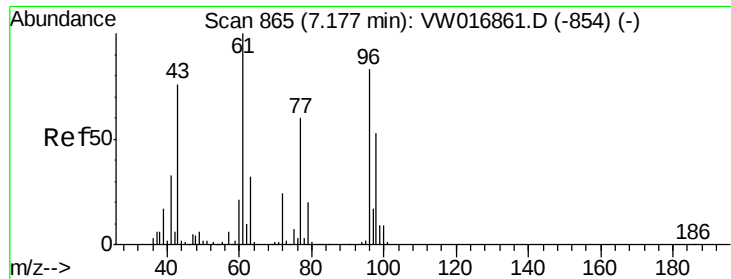
Tot Ion: 43 Resp: 103314
 Ion Ratio Lower Upper
 43 100
 86 13.5 10.2 15.4



#24
 1,1-Dichloroethane
 Concen: 5.185 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VW016858.D
 Acq: 09 Oct 2020 13:26

Tgt Ion: 63 Resp: 28303
 Ion Ratio Lower Upper
 63 100
 98 7.3 4.2 12.6
 100 4.1 2.6 7.8





#25

2-Butanone

Concen: 26.226 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW016858.D

Acq: 09 Oct 2020 13:26

Instrument :

MSVOA_W

ClientSampleId :

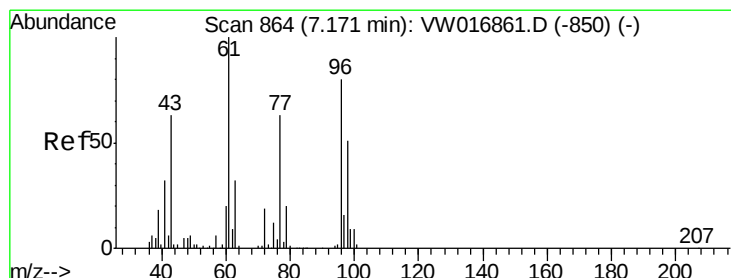
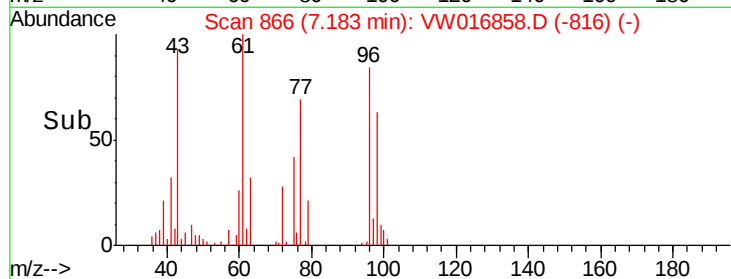
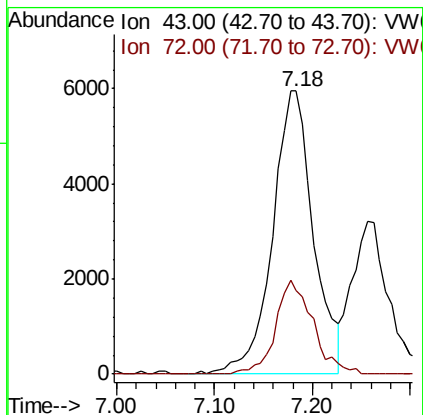
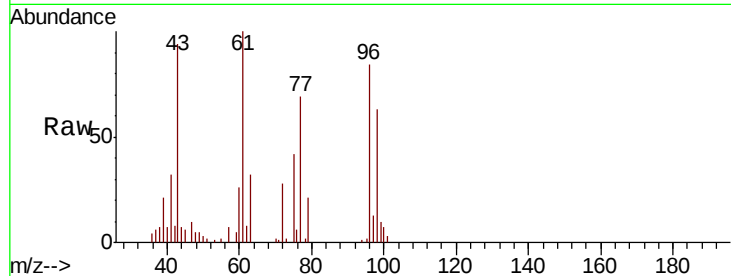
VSTDIC005

Tot Ion: 43 Resp: 17418

Ion Ratio Lower Upper

43 100

72 29.7 25.4 38.2



#26

2,2-Dichloropropane

Concen: 5.513 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW016858.D

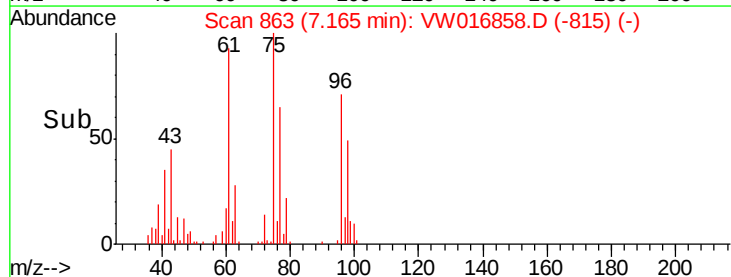
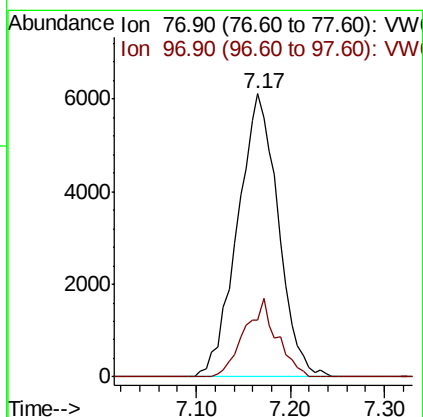
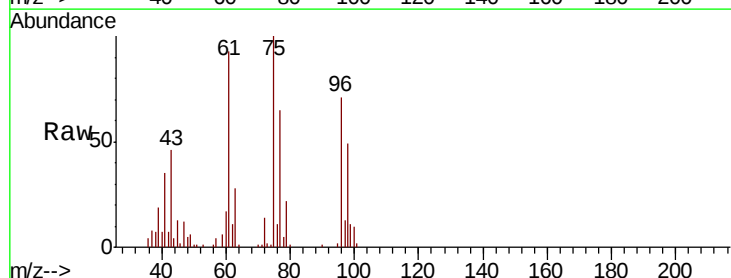
Acq: 09 Oct 2020 13:26

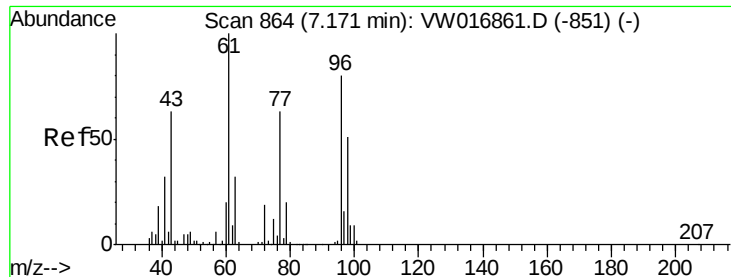
Tgt Ion: 77 Resp: 18413

Ion Ratio Lower Upper

77 100

97 22.2 12.4 37.4





#27

cis-1,2-Dichloroethene

Concen: 5.050 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW016858.D

Acq: 09 Oct 2020 13:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

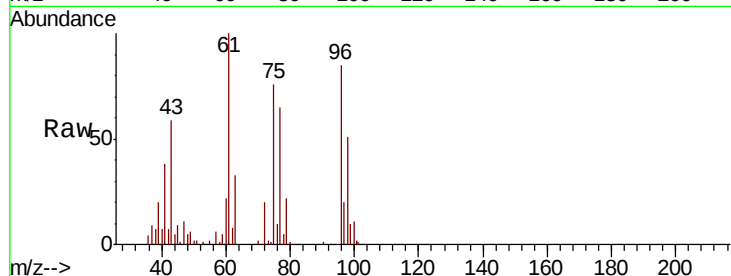
Tot Ion: 96 Resp: 19216

Ion Ratio Lower Upper

96 100

61 129.8 0.0 249.6

98 63.8 0.0 129.4

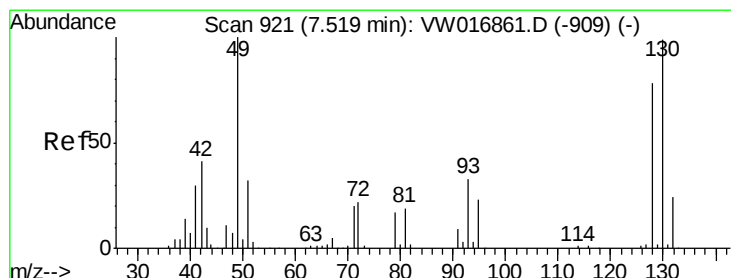
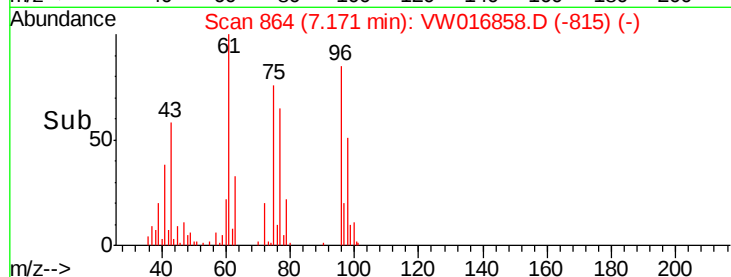
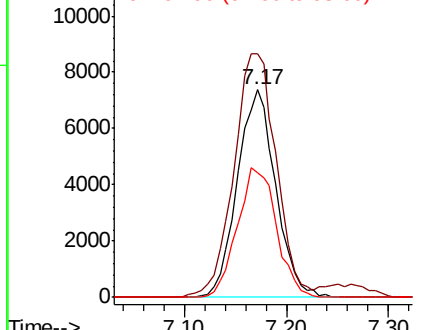


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane

Concen: 5.077 ug/l

RT: 7.51 min Scan# 920

Delta R.T. -0.01 min

Lab File: VW016858.D

Acq: 09 Oct 2020 13:26

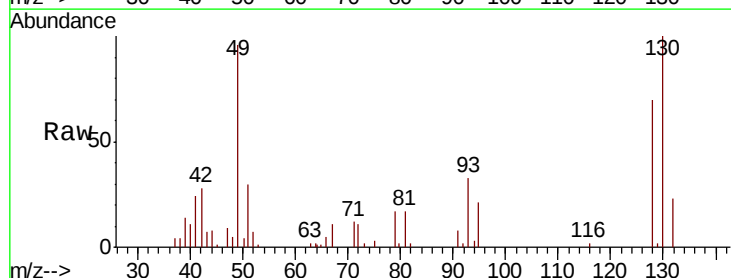
Tgt Ion: 49 Resp: 11092

Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.8

130 100.1 81.3 121.9

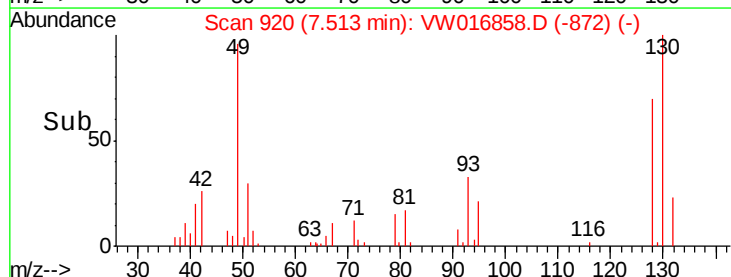
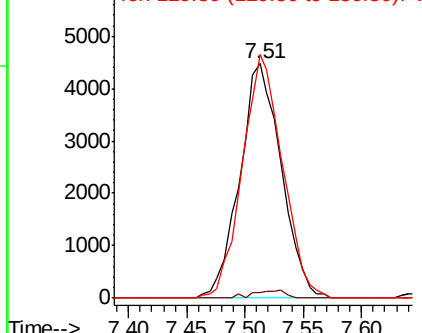


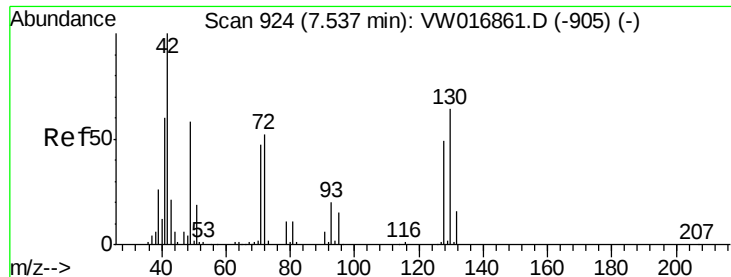
Abundance

Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 25.916 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.01 min

Lab File: VW016858.D

Acq: 09 Oct 2020 13:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

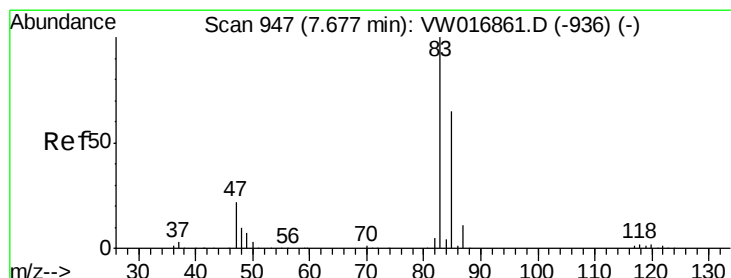
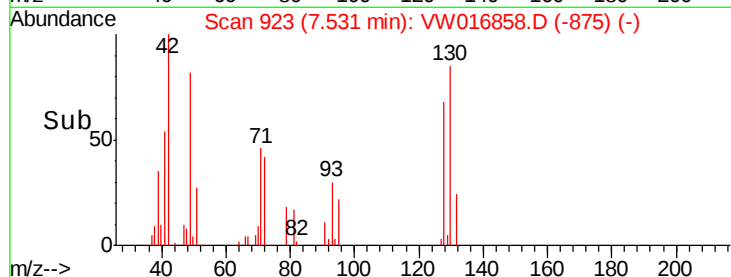
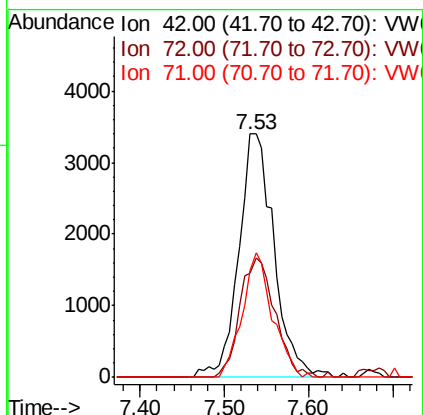
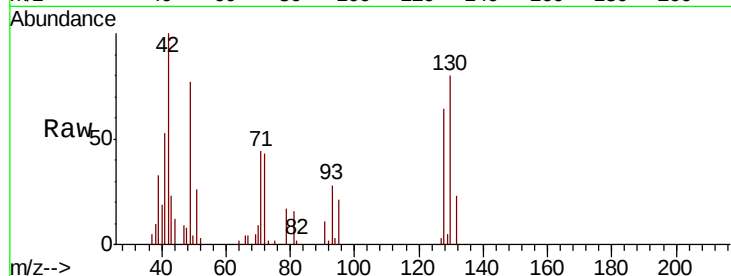
Tot Ion: 42 Resp: 9641

Ion Ratio Lower Upper

42 100

72 48.8 42.0 63.0

71 43.7 39.0 58.6



#30

Chloroform

Concen: 5.161 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW016858.D

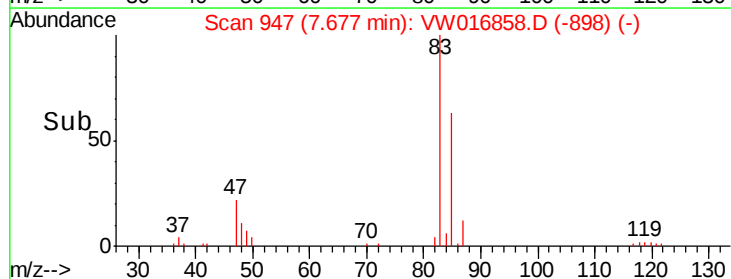
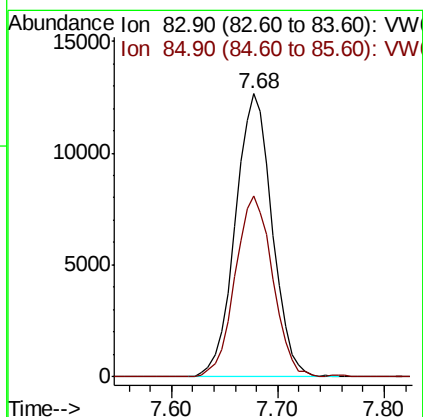
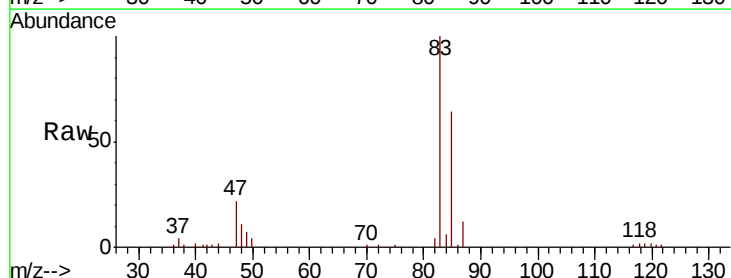
Acq: 09 Oct 2020 13:26

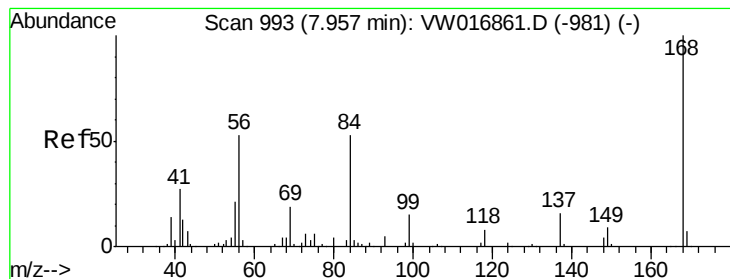
Tgt Ion: 83 Resp: 30631

Ion Ratio Lower Upper

83 100

85 63.9 51.7 77.5





#31

Cyclohexane

Concen: 6.097 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW016858.D

Acq: 09 Oct 2020 13:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

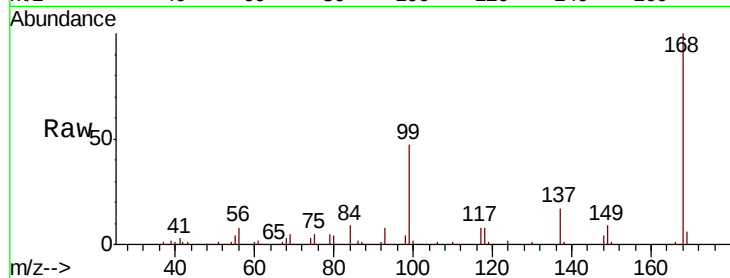
Tot Ion: 56 Resp: 28391

Ion Ratio Lower Upper

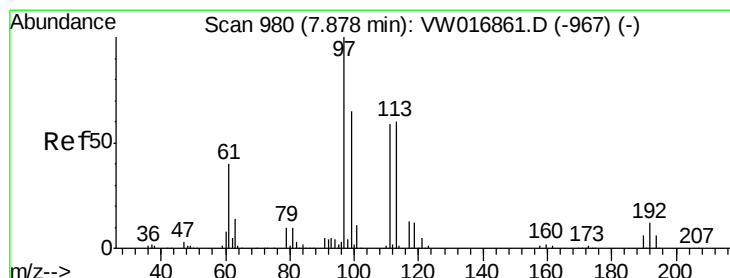
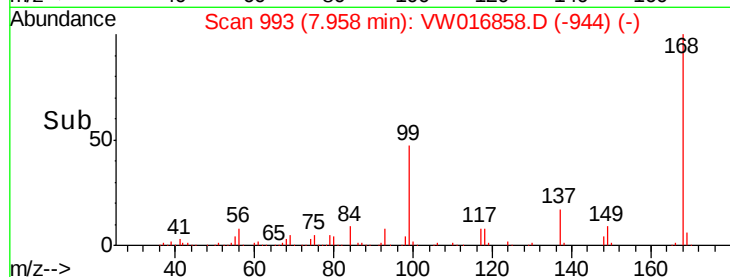
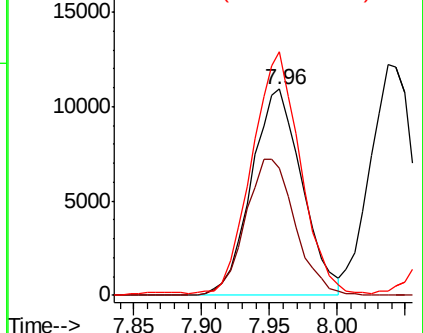
56 100

69 61.9 29.3 43.9#

84 117.4 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: 5.220 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW016858.D

Acq: 09 Oct 2020 13:26

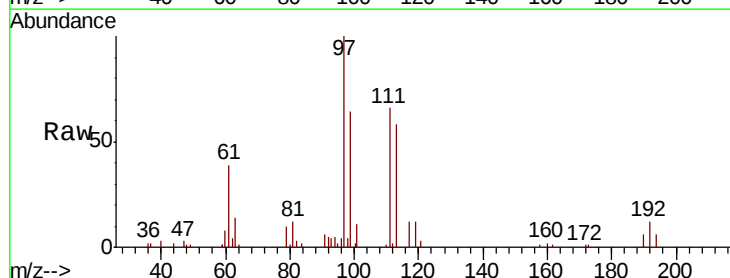
Tgt Ion: 97 Resp: 26129

Ion Ratio Lower Upper

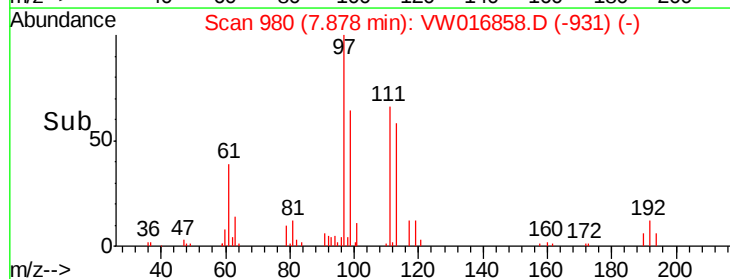
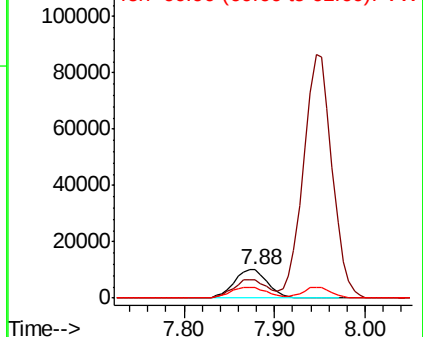
97 100

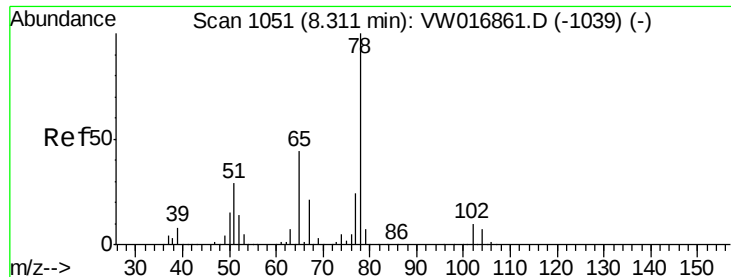
99 65.0 52.4 78.6

61 41.5 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: 5.075 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW016858.D

Acq: 09 Oct 2020 13:26

Instrument :

MSVOA_W

ClientSampleId :

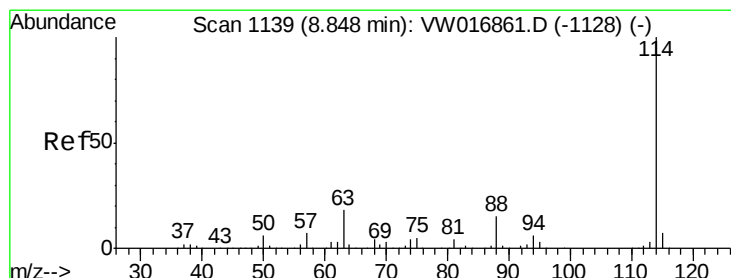
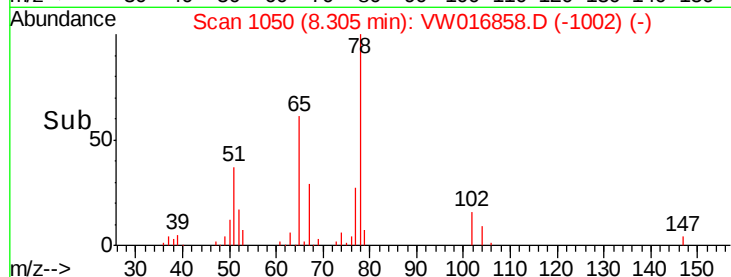
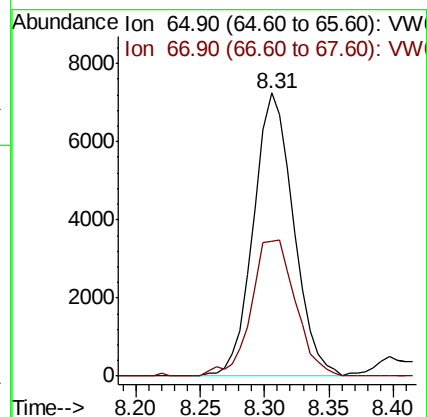
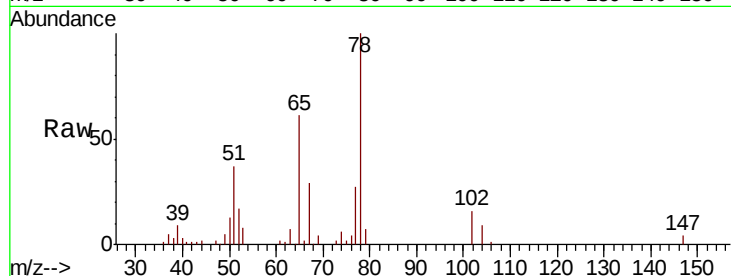
VSTDIC005

Tot Ion: 65 Resp: 15610

Ion Ratio Lower Upper

65 100

67 53.1 0.0 103.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VW016858.D

Acq: 09 Oct 2020 13:26

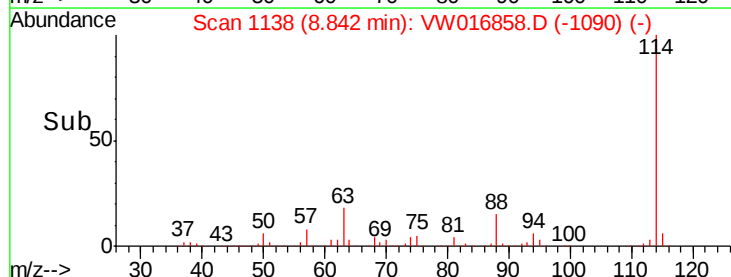
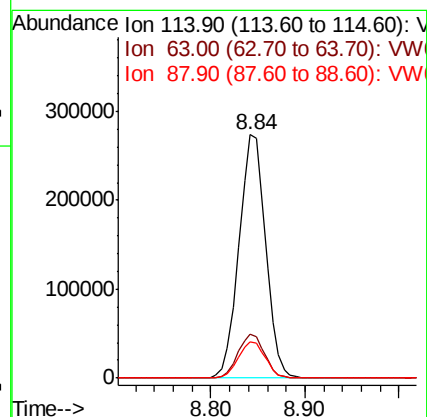
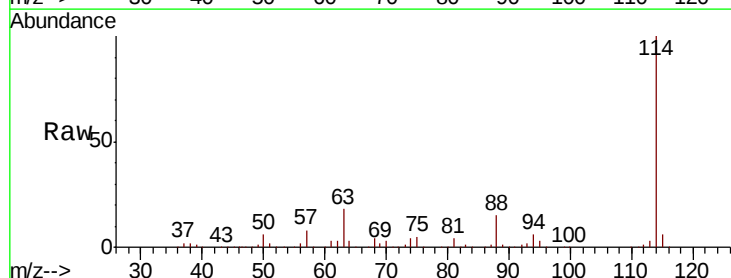
Tgt Ion: 114 Resp: 539779

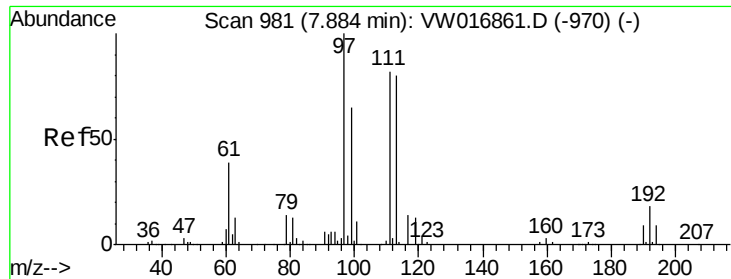
Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.6

88 15.1 0.0 30.4

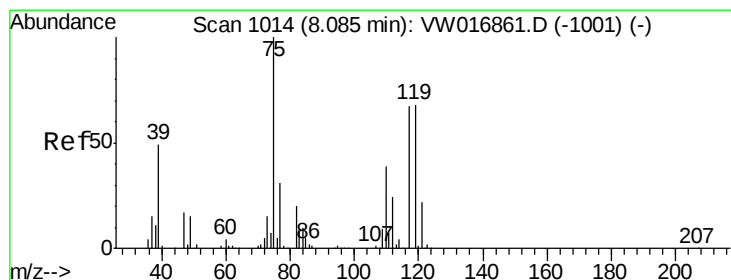
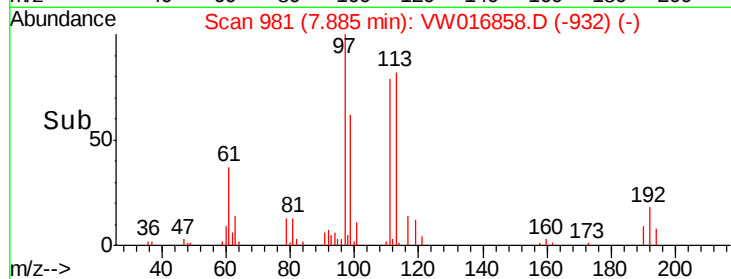
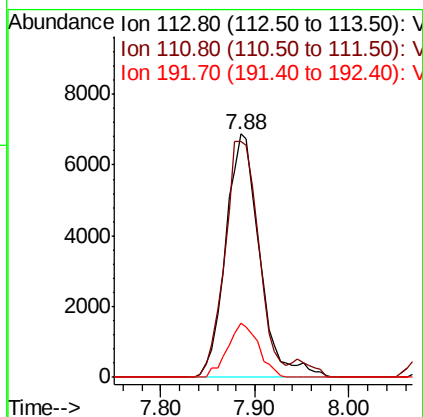
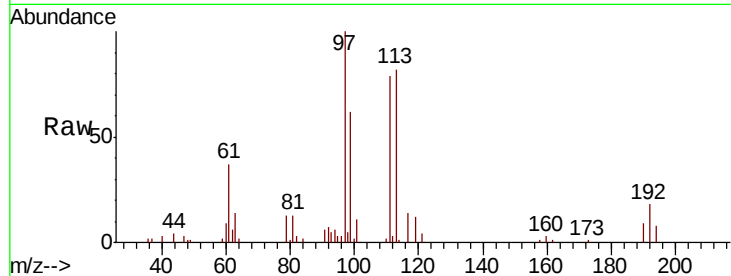




#35
 Dibromofluoromethane
 Concen: 5.189 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW016858.D
 Acq: 09 Oct 2020 13:26

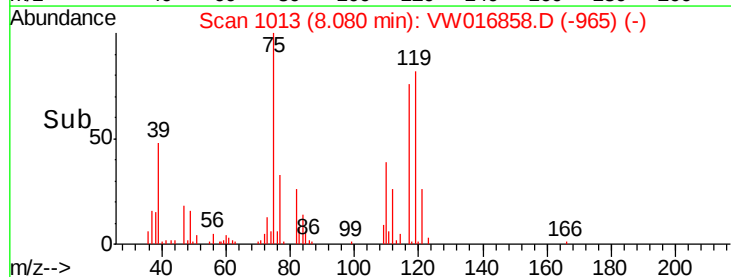
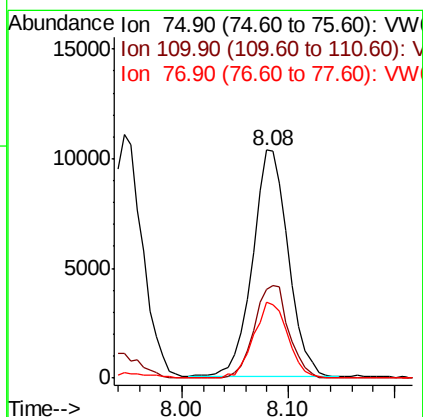
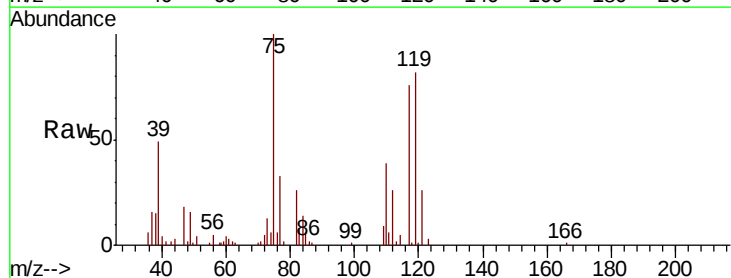
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

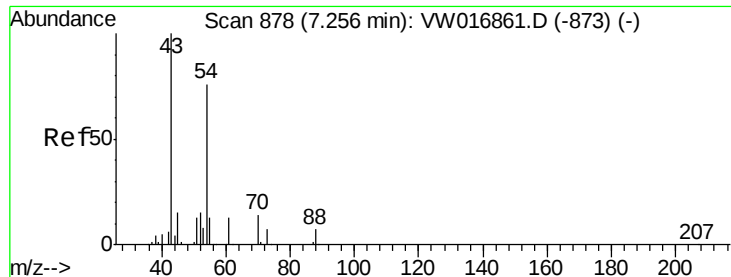
Tot Ion:113 Resp: 17169
 Ion Ratio Lower Upper
 113 100
 111 97.1 81.4 122.2
 192 20.4 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 5.217 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VW016858.D
 Acq: 09 Oct 2020 13:26

Tgt Ion: 75 Resp: 24352
 Ion Ratio Lower Upper
 75 100
 110 39.1 19.3 57.9
 77 31.9 25.0 37.6

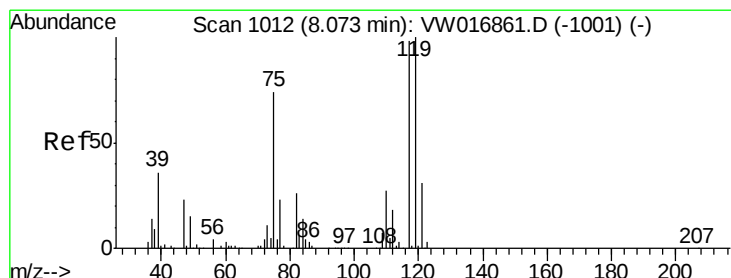
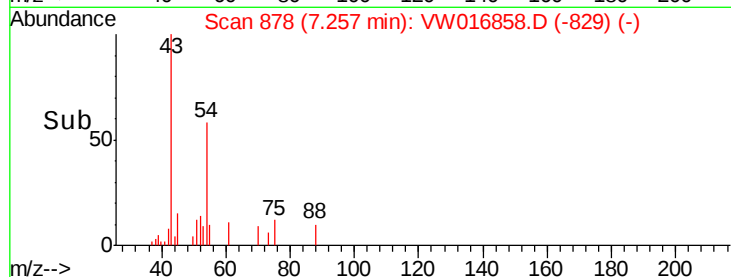
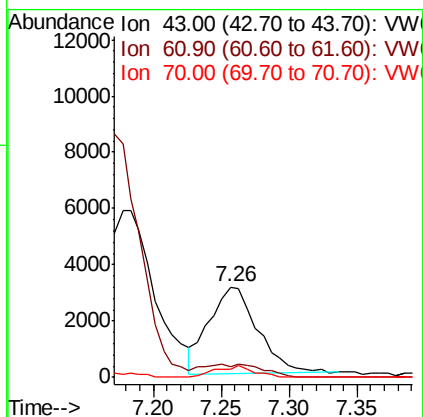
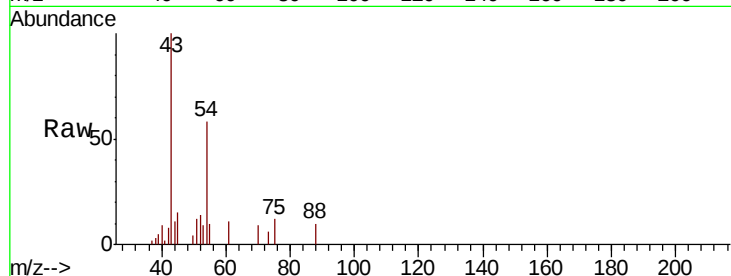




#37
Ethyl Acetate
Concen: 4.984 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW016858.D
Acq: 09 Oct 2020 13:26

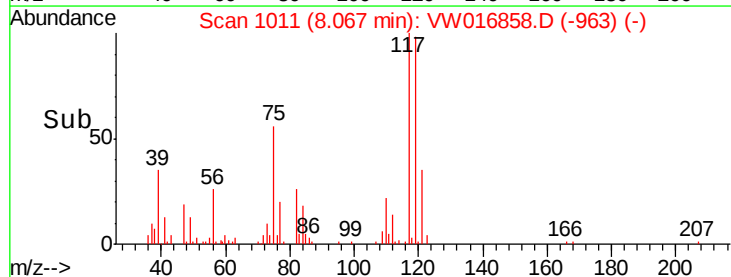
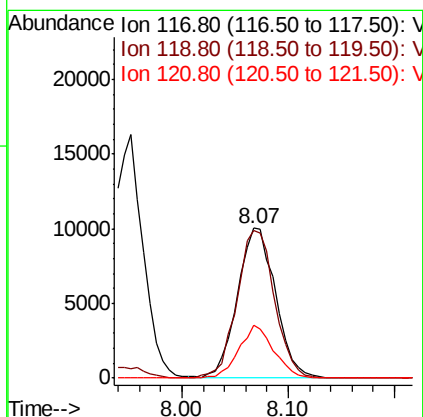
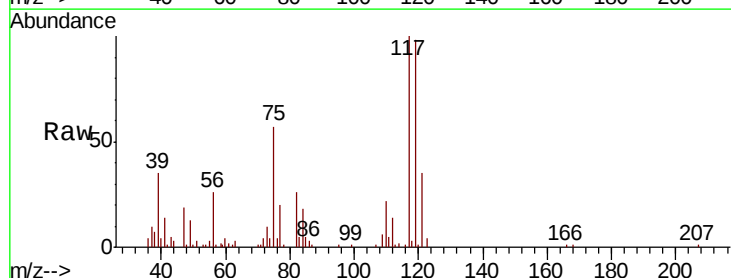
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

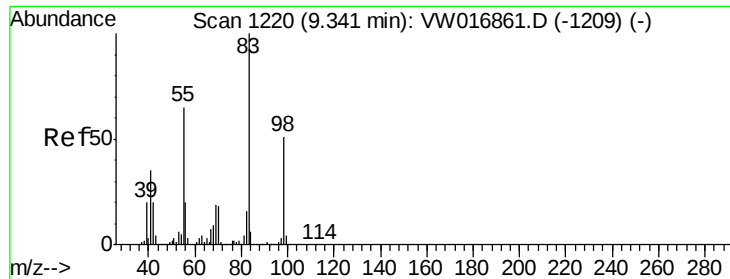
Tot Ion: 43 Resp: 7598
Ion Ratio Lower Upper
43 100
61 0.0 12.0 18.0#
70 10.6 9.9 14.9



#38
Carbon Tetrachloride
Concen: 5.201 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW016858.D
Acq: 09 Oct 2020 13:26

Tgt Ion: 117 Resp: 25233
Ion Ratio Lower Upper
117 100
119 98.1 81.6 122.4
121 35.0 25.7 38.5

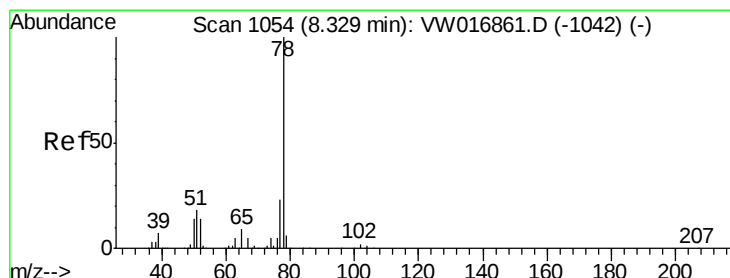
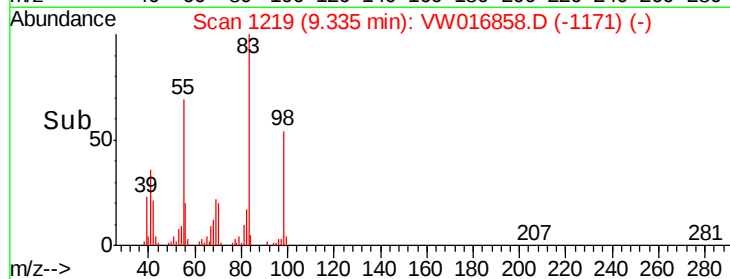
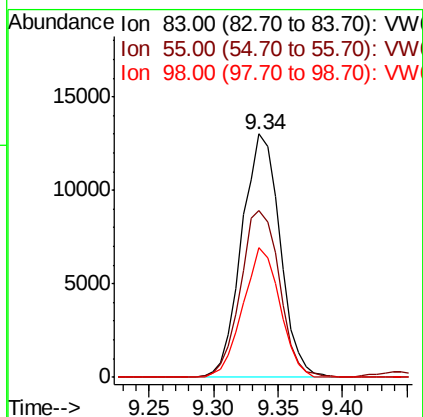
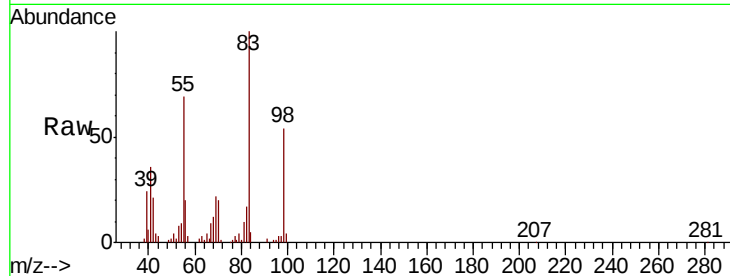




#39
Methvlcvclohexane
Concen: 5.027 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW016858.D
Acq: 09 Oct 2020 13:26

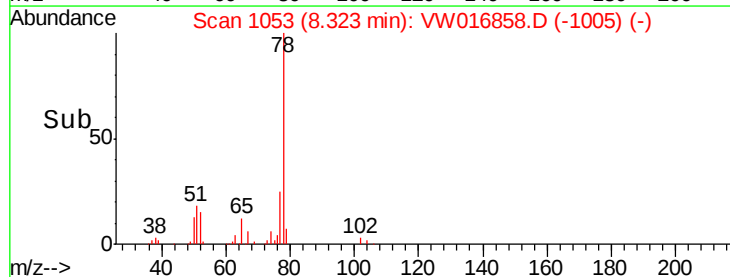
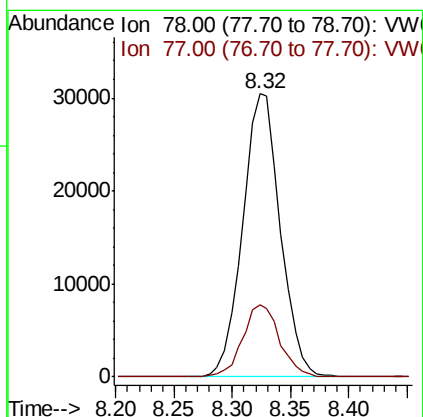
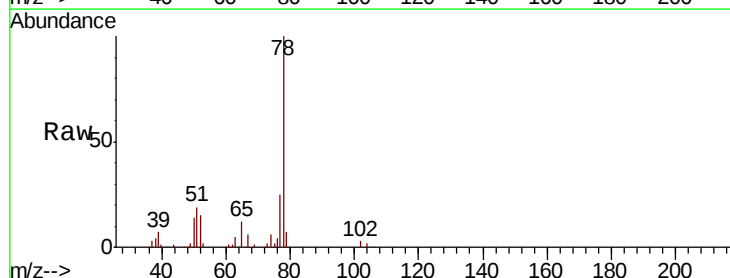
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

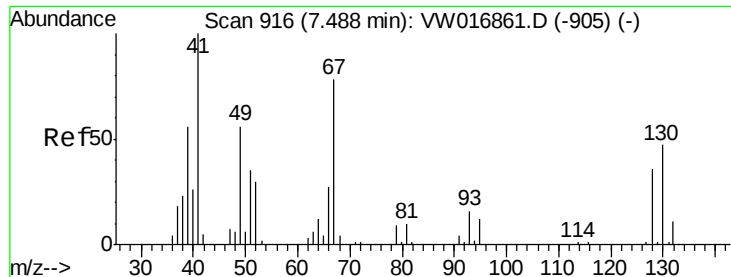
Tot Ion: 83 Resp: 26751
Ion Ratio Lower Upper
83 100
55 68.6 51.7 77.5
98 53.5 41.0 61.4



#40
Benzene
Concen: 5.258 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW016858.D
Acq: 09 Oct 2020 13:26

Tgt Ion: 78 Resp: 68368
Ion Ratio Lower Upper
78 100
77 25.3 18.5 27.7





#41

Methacrylonitrile

Concen: 6.983 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW016858.D

Acq: 09 Oct 2020 13:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 41 Resp: 4568

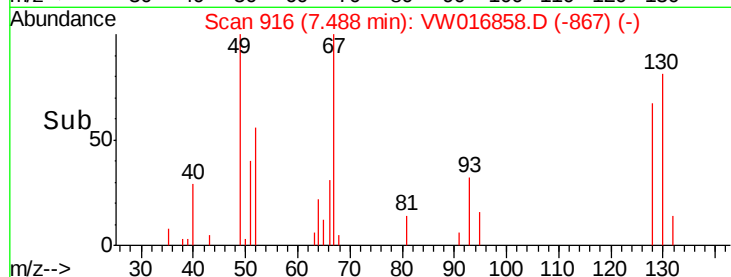
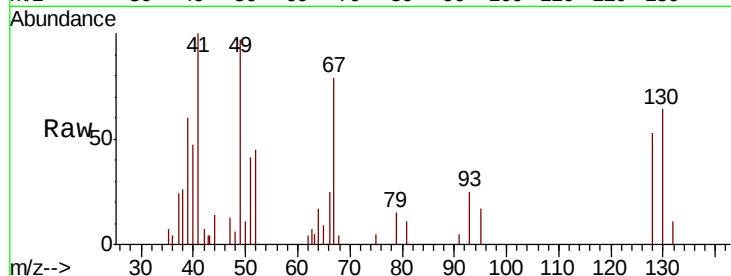
Ion Ratio Lower Upper

41 100

39 50.2 47.0 70.6

67 82.0 68.6 102.8

52 36.5 28.1 42.1

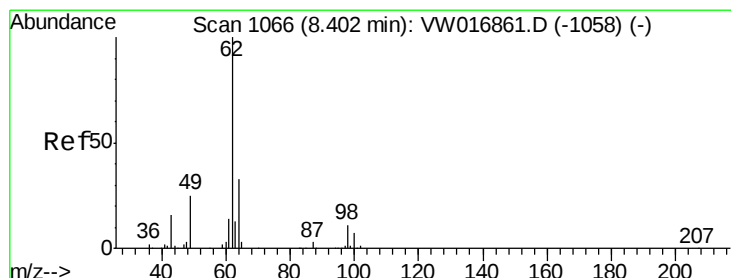
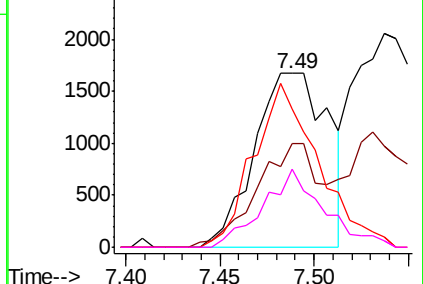


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 5.257 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW016858.D

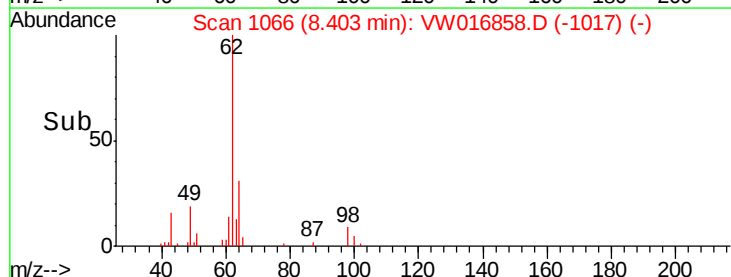
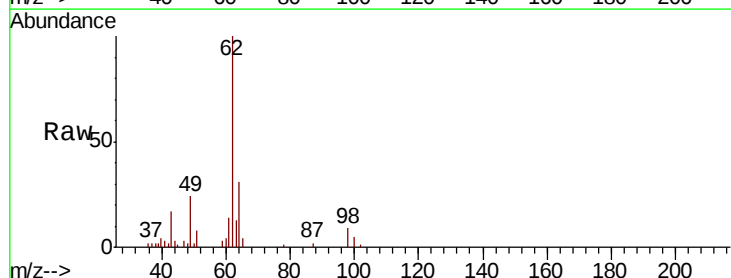
Acq: 09 Oct 2020 13:26

Tgt Ion: 62 Resp: 18696

Ion Ratio Lower Upper

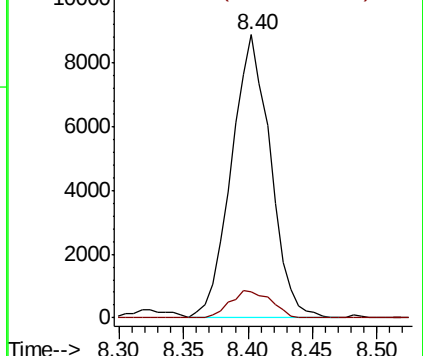
62 100

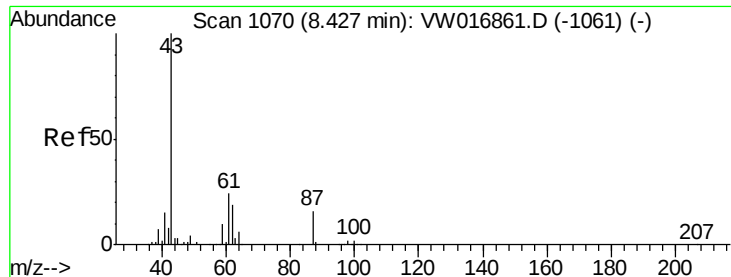
98 10.2 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 4.941 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW016858.D

Acq: 09 Oct 2020 13:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

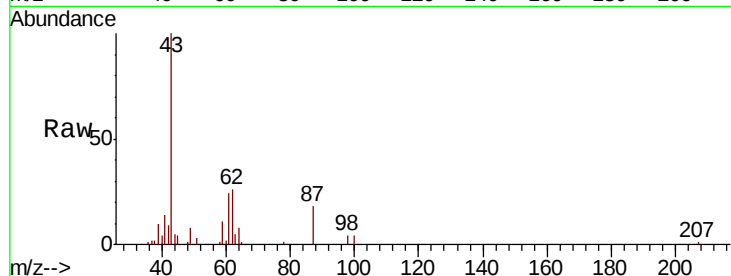
Tot Ion: 43 Resp: 14431

Ion Ratio Lower Upper

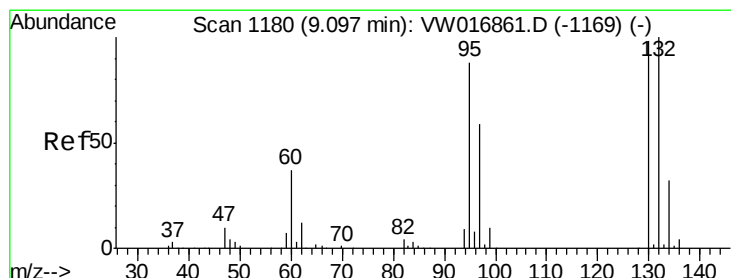
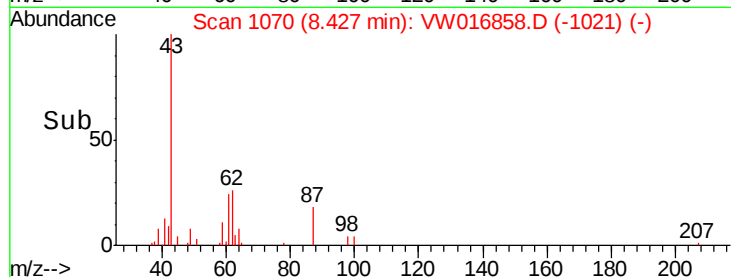
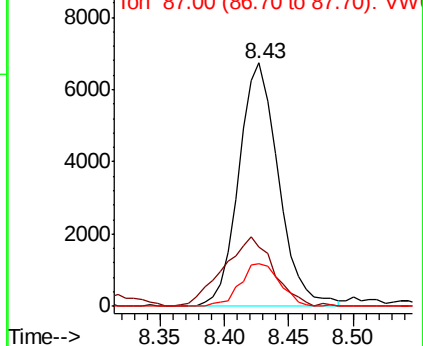
43 100

61 35.9 27.5 41.3

87 17.7 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: 5.347 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW016858.D

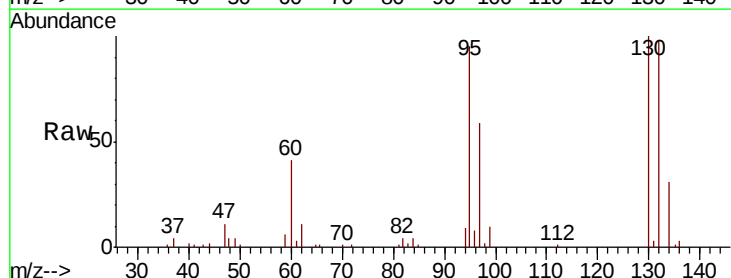
Acq: 09 Oct 2020 13:26

Tgt Ion: 130 Resp: 21518

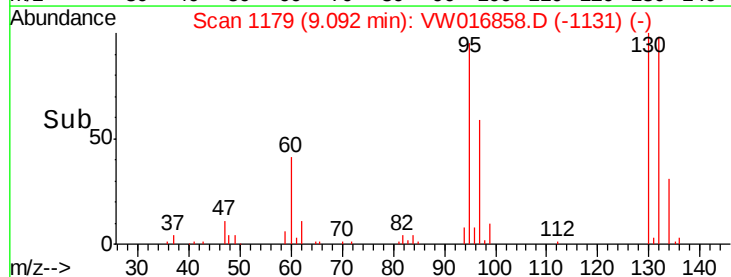
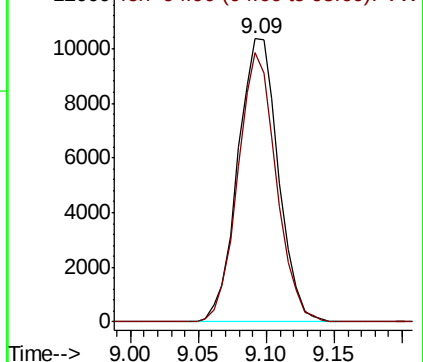
Ion Ratio Lower Upper

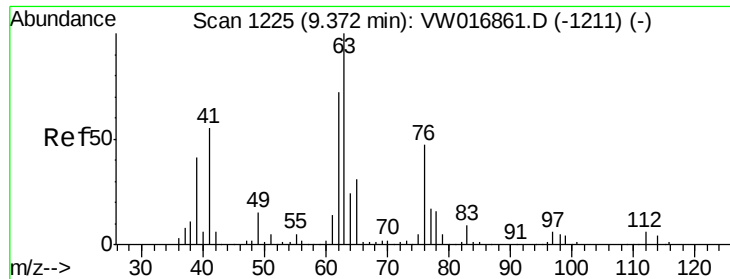
130 100

95 95.2 0.0 180.2



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

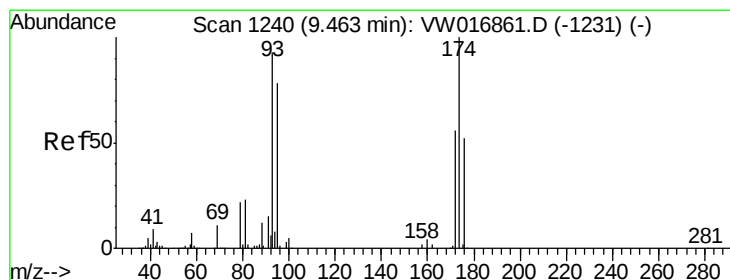
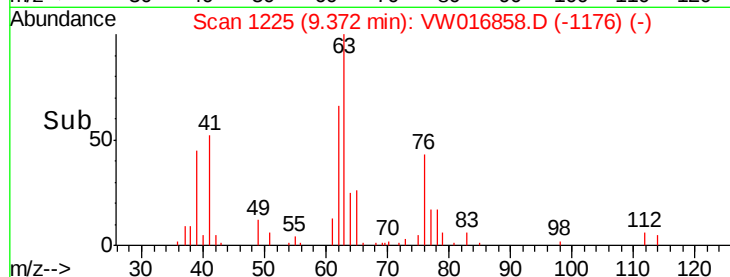
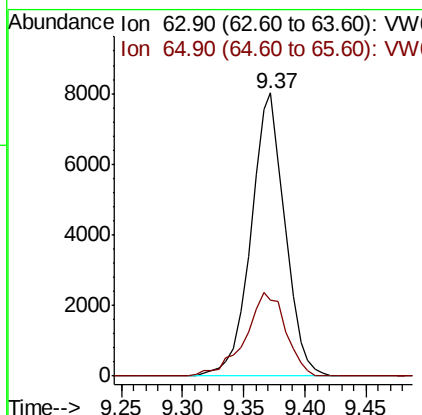
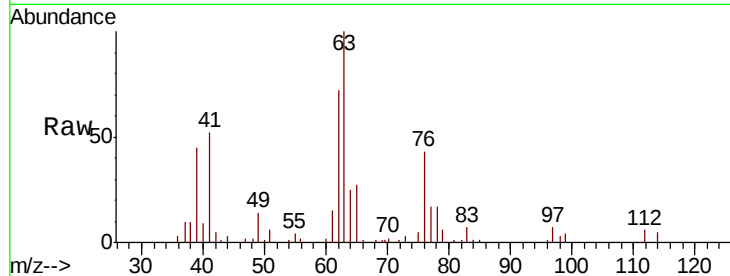




#45
 1,2-Dichloropropane
 Concen: 5.215 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016858.D
 Acq: 09 Oct 2020 13:26

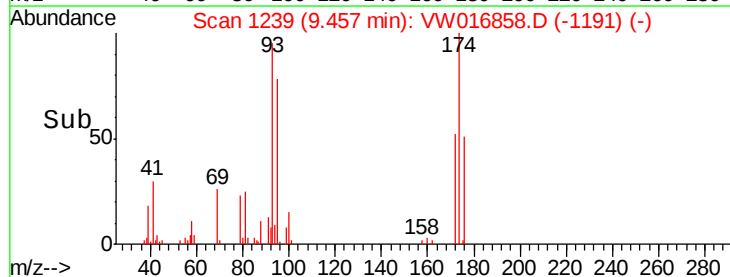
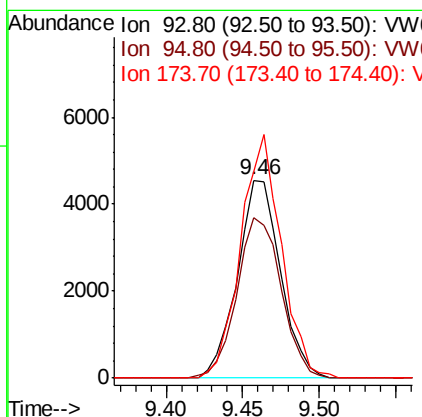
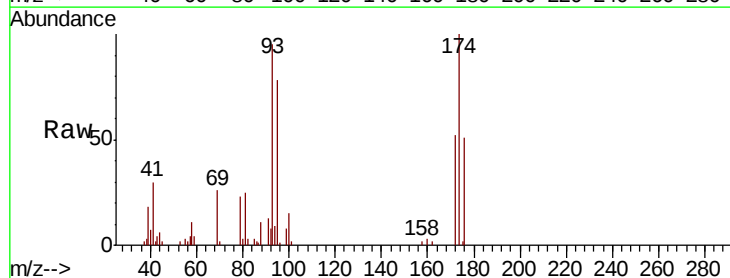
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

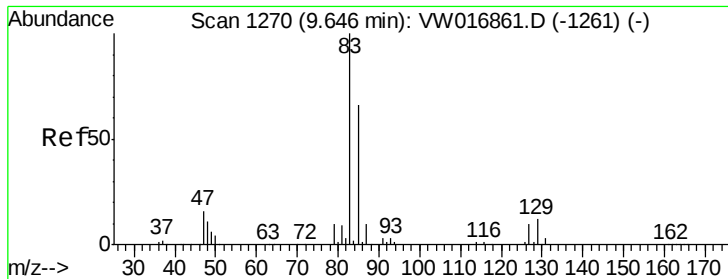
Tot Ion: 63 Resp: 15463
 Ion Ratio Lower Upper
 63 100
 65 26.8 25.1 37.7



#46
 Dibromomethane
 Concen: 5.260 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW016858.D
 Acq: 09 Oct 2020 13:26

Tgt Ion: 93 Resp: 8921
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.5 99.7
 174 115.7 91.0 136.6





#47

Bromodichloromethane

Concen: 5.010 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW016858.D

Acq: 09 Oct 2020 13:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

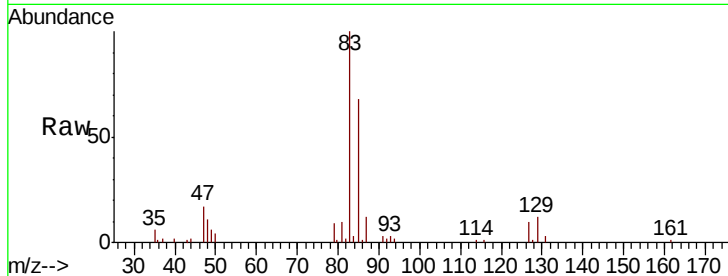
Tot Ion: 83 Resp: 21128

Ion Ratio Lower Upper

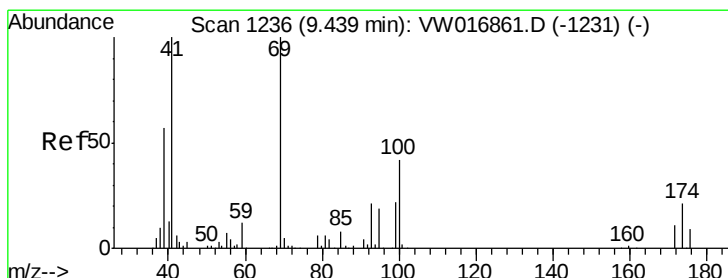
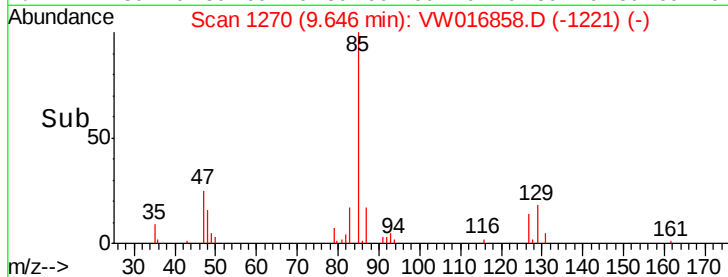
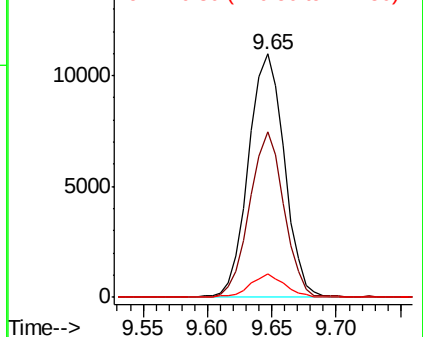
83 100

85 67.8 52.7 79.1

127 9.7 7.8 11.6



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



#48

Methyl methacrylate

Concen: 4.482 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW016858.D

Acq: 09 Oct 2020 13:26

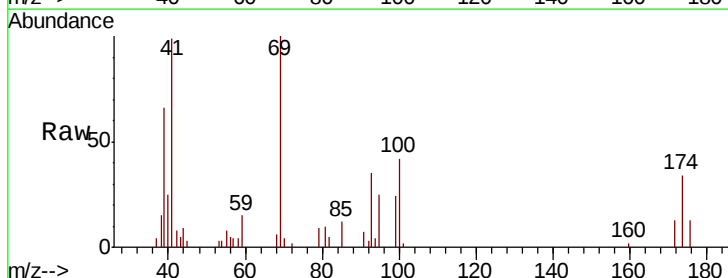
Tgt Ion: 41 Resp: 6032

Ion Ratio Lower Upper

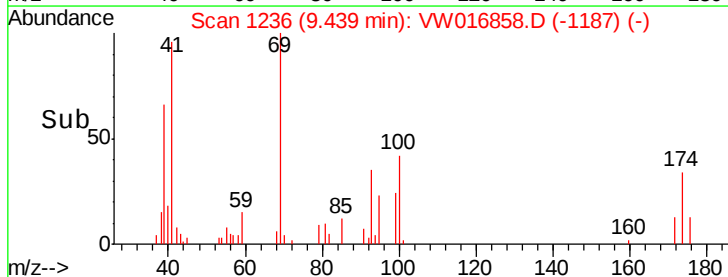
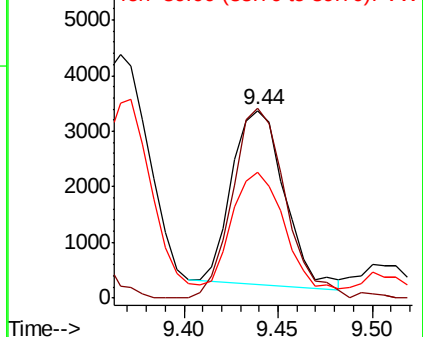
41 100

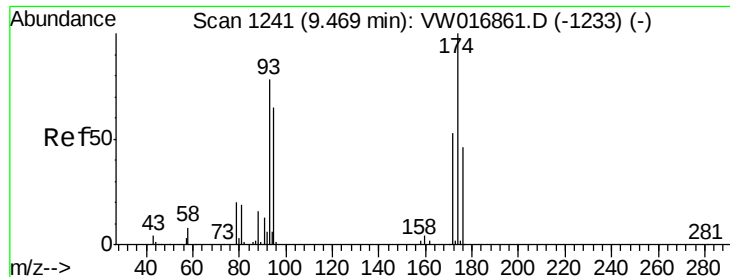
69 110.2 83.5 125.3

39 77.1 50.9 76.3#



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

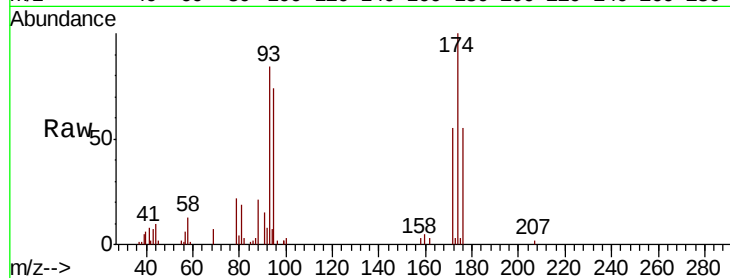




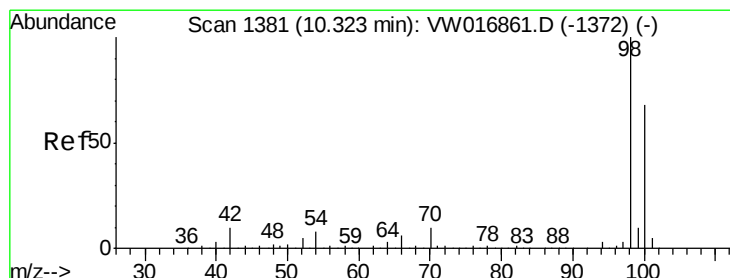
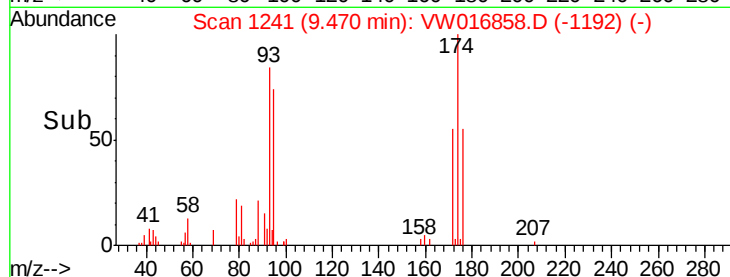
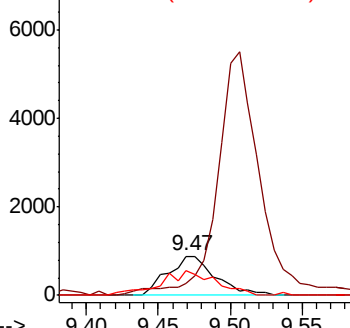
#49
1,4-Dioxane
Concen: 104.423 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VW016858.D
Acq: 09 Oct 2020 13:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 88 Resp: 2037
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 72.7 54.0 81.0

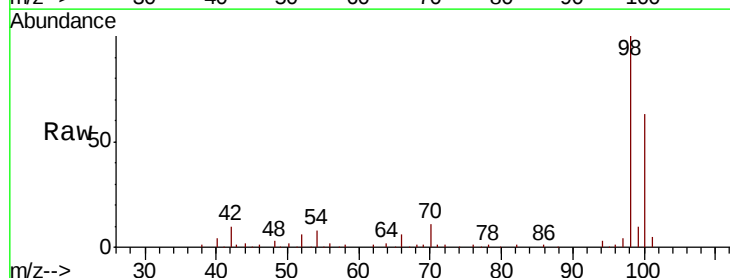


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

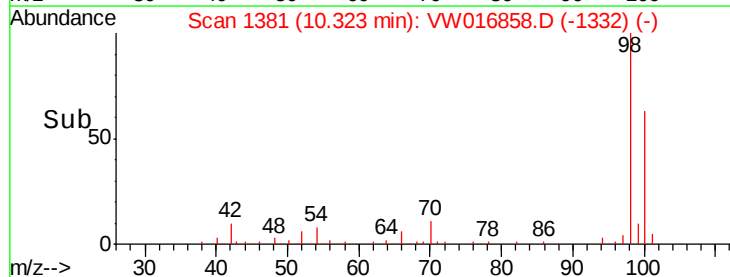
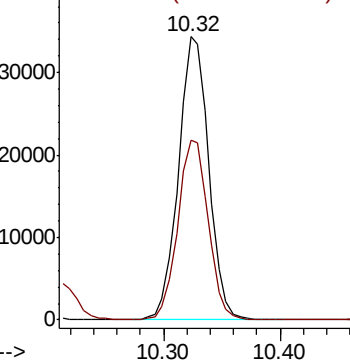


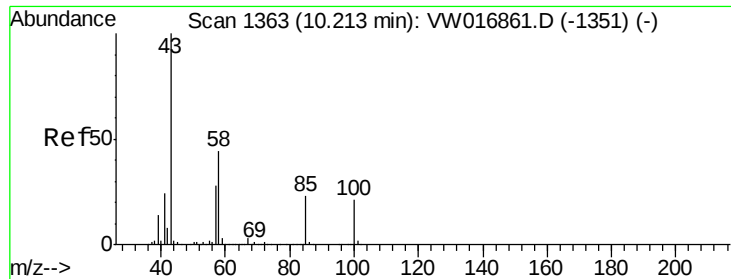
#50
Toluene-d8
Concen: 5.010 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW016858.D
Acq: 09 Oct 2020 13:26

Tgt Ion: 98 Resp: 62154
Ion Ratio Lower Upper
98 100
100 64.2 53.3 79.9



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

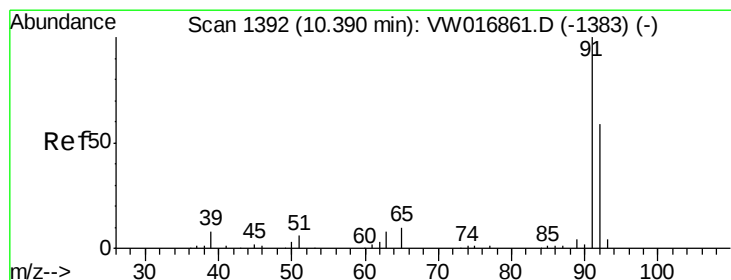
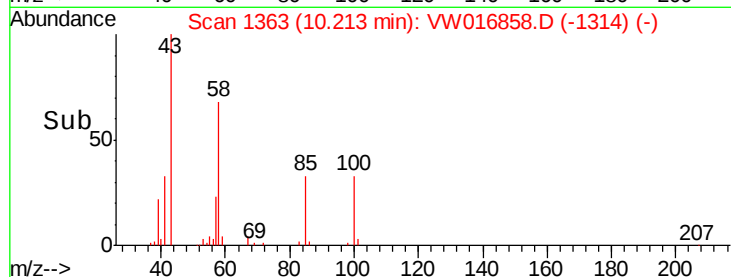
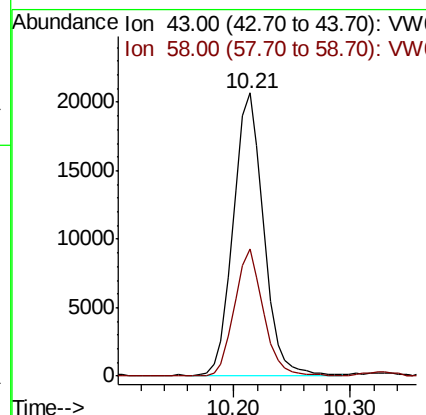
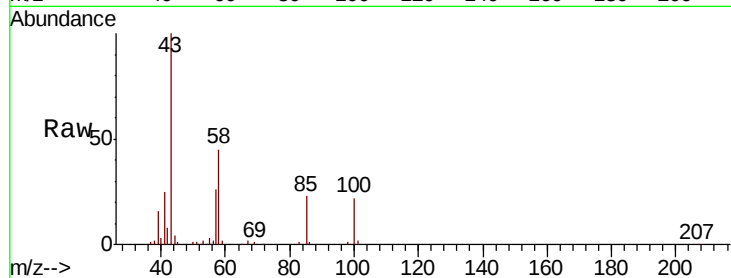




#51
4-Methyl-2-Pentanone
Concen: 25.541 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW016858.D
Acq: 09 Oct 2020 13:26

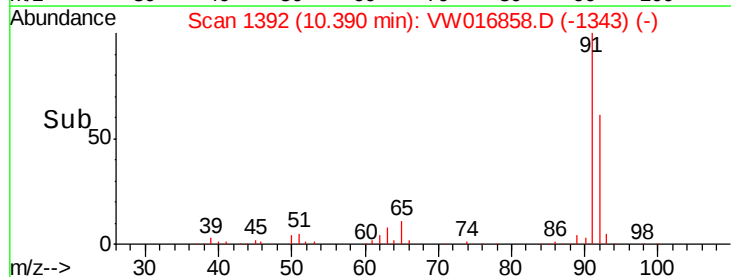
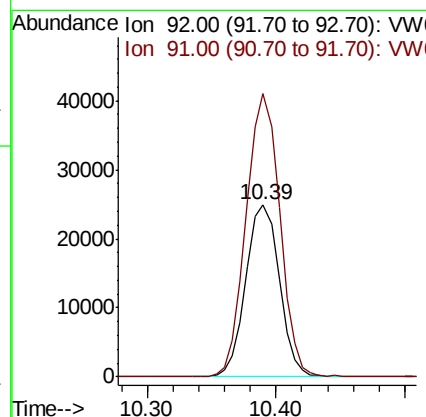
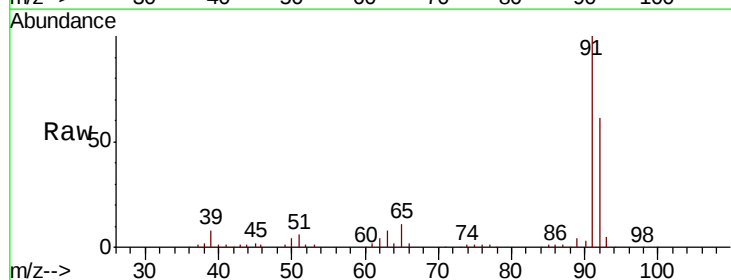
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

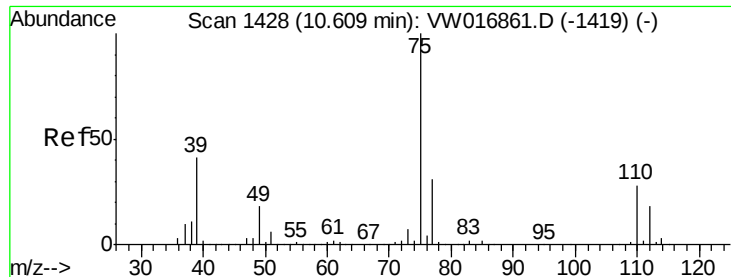
Tot Ion: 43 Resp: 37737
Ion Ratio Lower Upper
43 100
58 42.6 34.7 52.1



#52
Toluene
Concen: 5.243 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW016858.D
Acq: 09 Oct 2020 13:26

Tgt Ion: 92 Resp: 45065
Ion Ratio Lower Upper
92 100
91 165.4 134.7 202.1





#53

t-1,3-Dichloropropene

Concen: 4.544 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016858.D

Acq: 09 Oct 2020 13:26

Instrument :

MSVOA_W

ClientSampled :

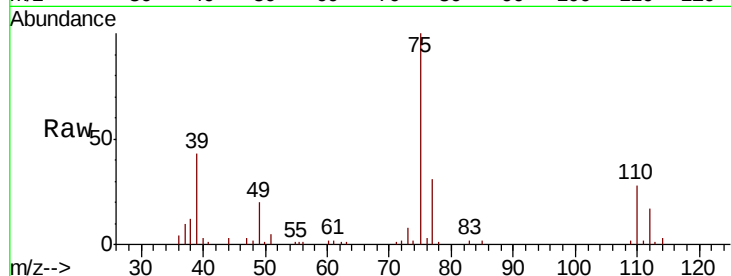
VSTDIC005

Tot Ion: 75 Resp: 17444

Ion Ratio Lower Upper

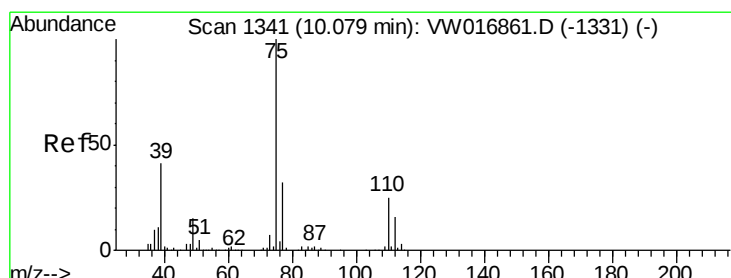
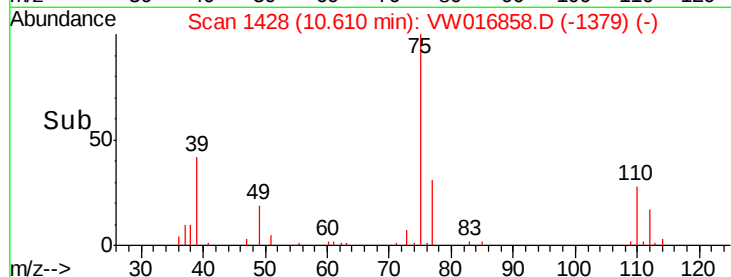
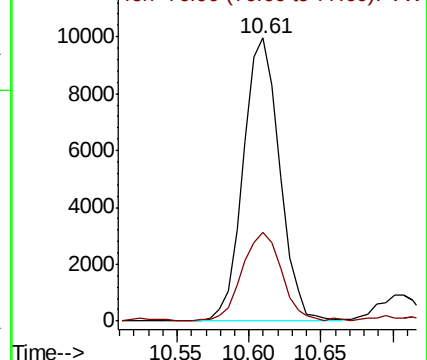
75 100

77 31.4 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 4.704 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW016858.D

Acq: 09 Oct 2020 13:26

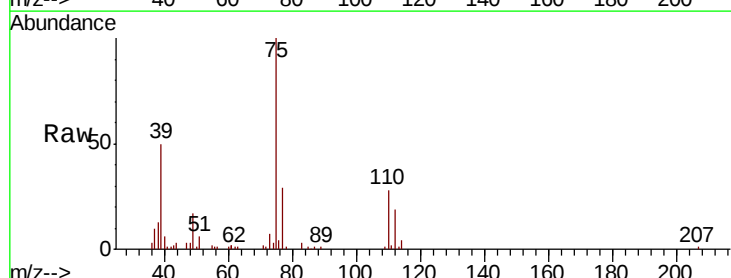
Tgt Ion: 75 Resp: 22055

Ion Ratio Lower Upper

75 100

77 28.8 25.8 38.6

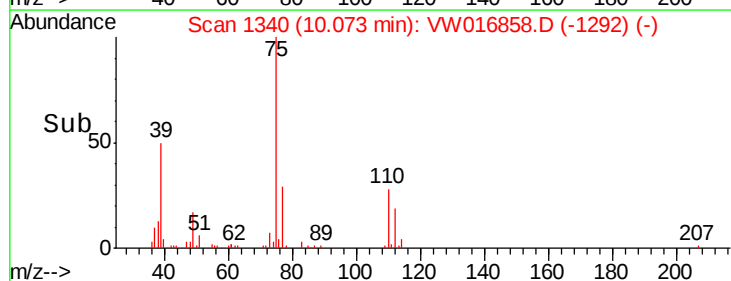
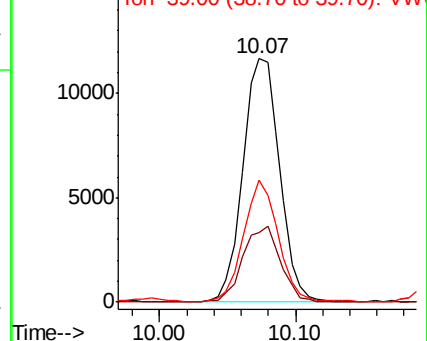
39 49.9 32.9 49.3#

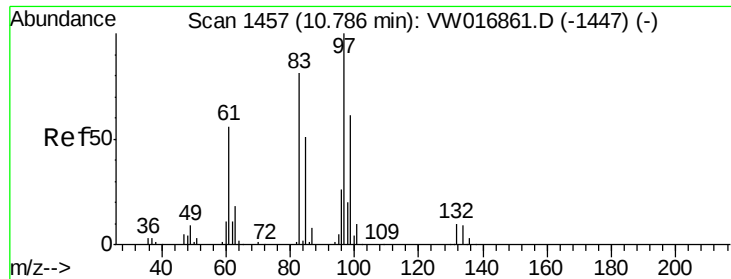


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

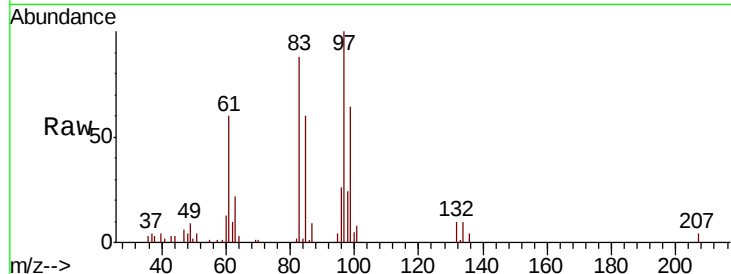




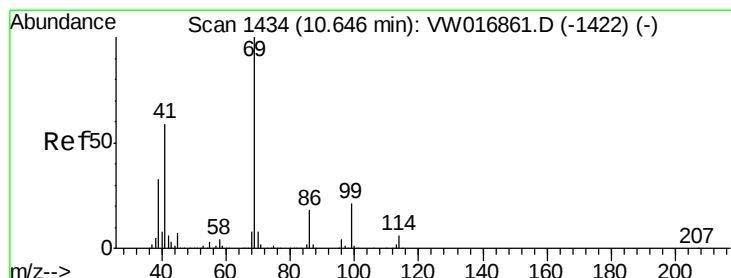
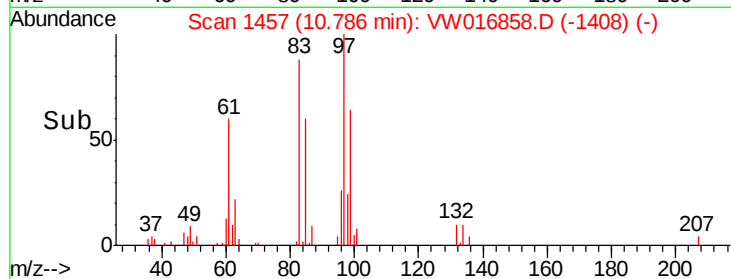
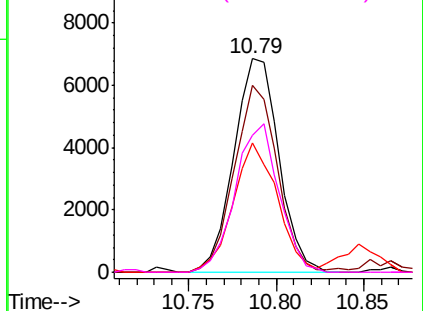
#55
 1,1,2-Trichloroethane
 Concen: 5.095 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW016858.D
 Acq: 09 Oct 2020 13:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	12298
Ion	Ratio	Lower	Upper
97	100		
83	87.6	64.6	97.0
85	60.3	40.6	61.0
99	64.2	49.0	73.6

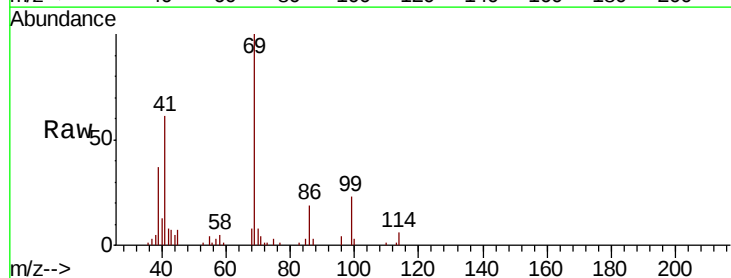


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

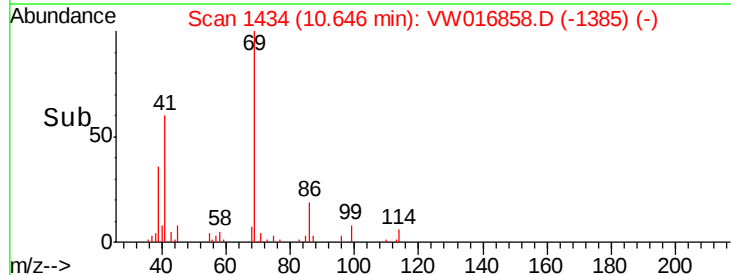
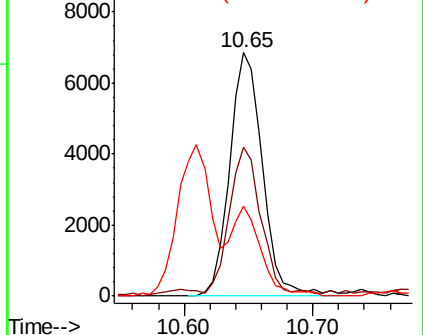


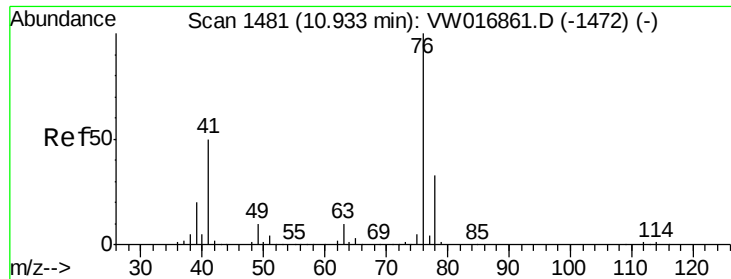
#56
 Ethyl methacrylate
 Concen: 4.640 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW016858.D
 Acq: 09 Oct 2020 13:26

Tgt Ion:	69	Resp:	12185
Ion	Ratio	Lower	Upper
69	100		
41	58.1	46.3	69.5
39	34.4	25.9	38.9



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

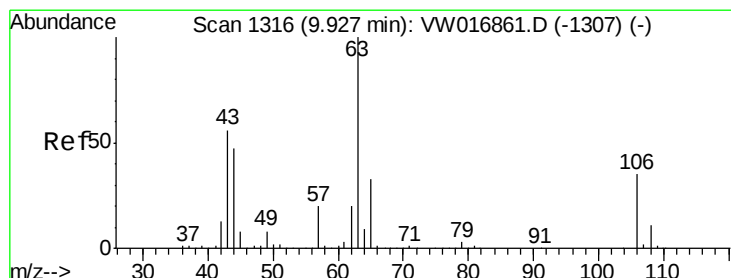
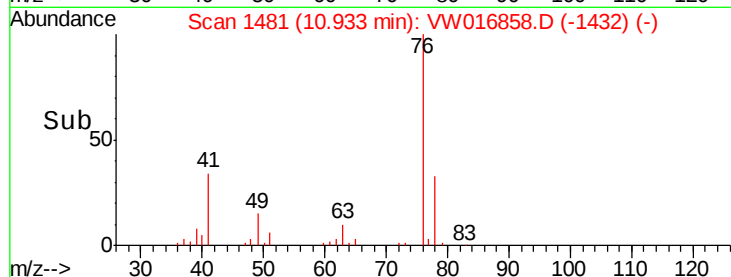
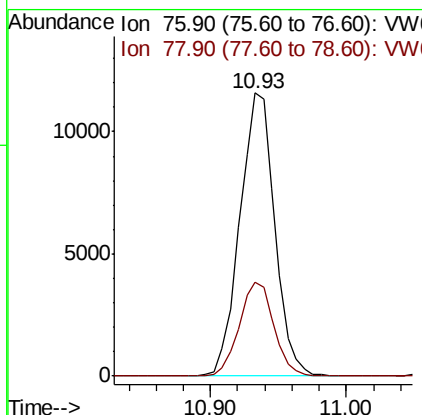
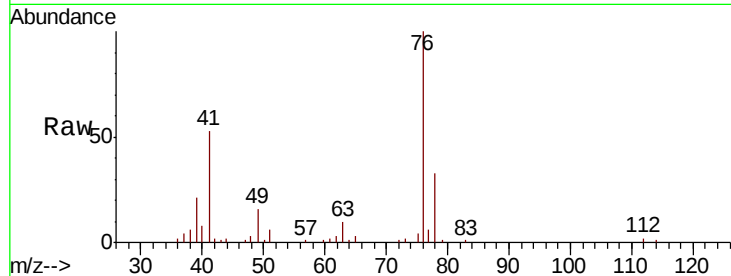




#57
 1,3-Dichloropropane
 Concen: 5.189 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW016858.D
 Acq: 09 Oct 2020 13:26

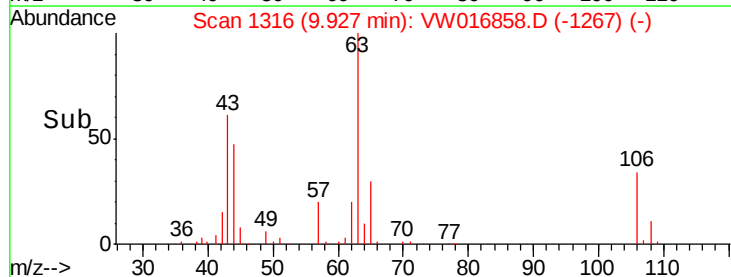
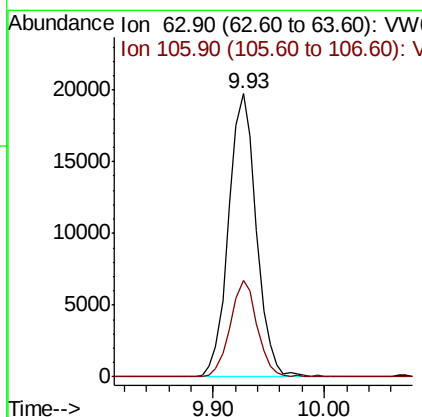
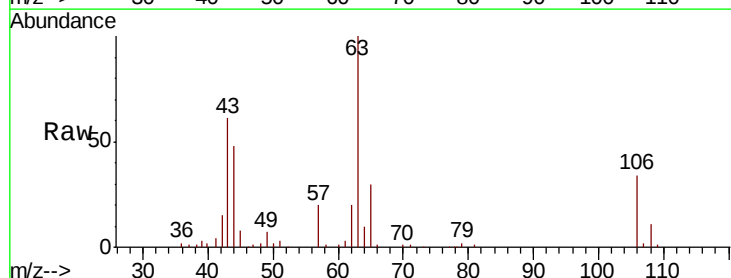
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

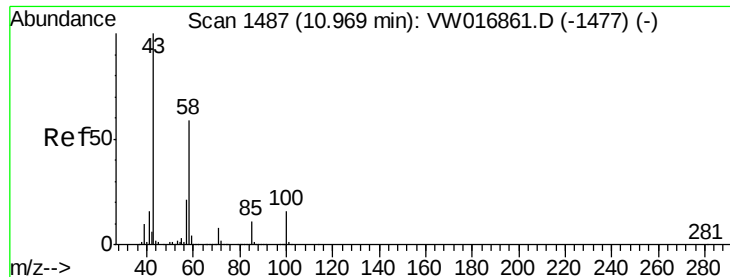
Tot Ion: 76 Resp: 20724
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 23.434 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW016858.D
 Acq: 09 Oct 2020 13:26

Tgt Ion: 63 Resp: 34101
 Ion Ratio Lower Upper
 63 100
 106 33.0 27.0 40.4

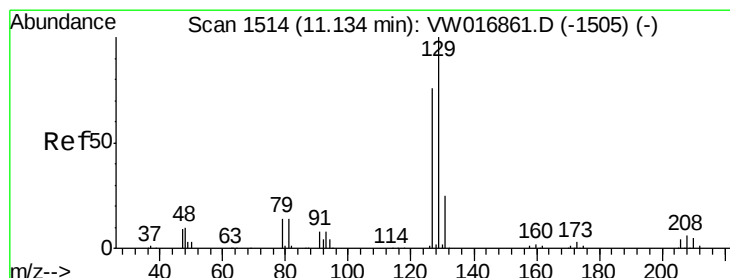
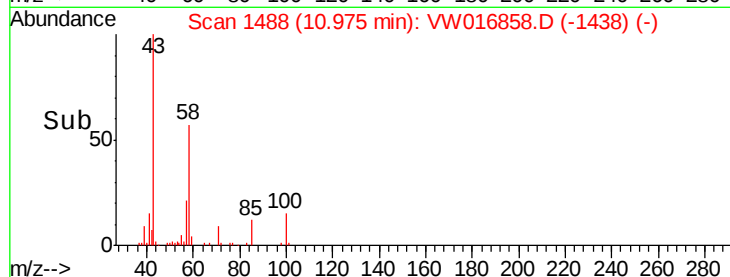
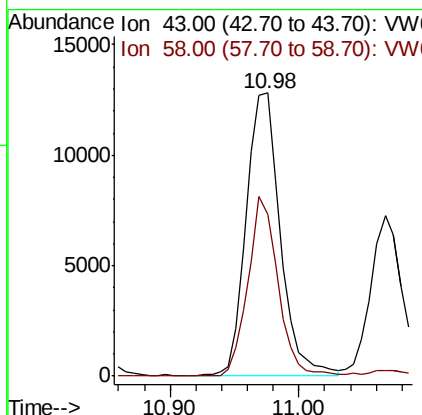
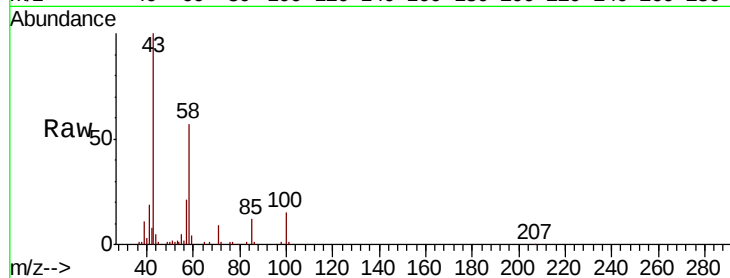




#59
2-Hexanone
Concen: 23.950 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW016858.D
Acq: 09 Oct 2020 13:26

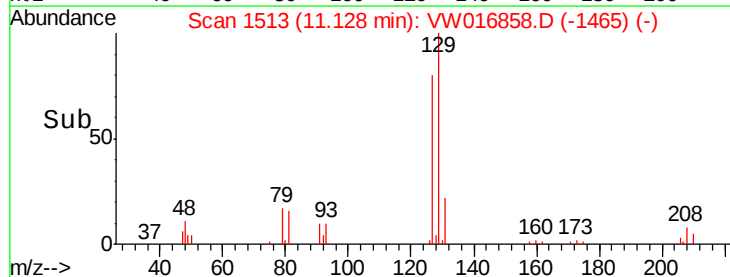
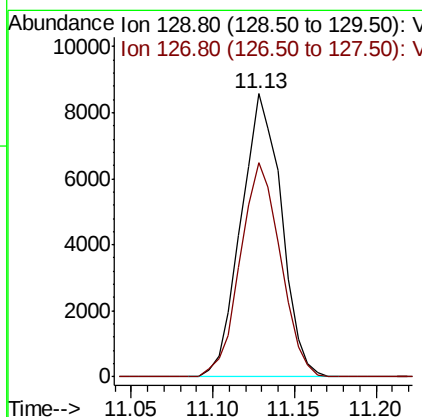
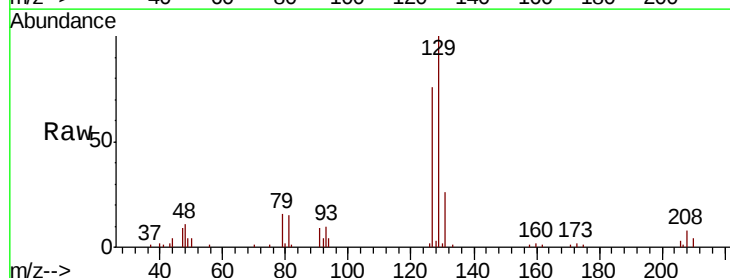
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

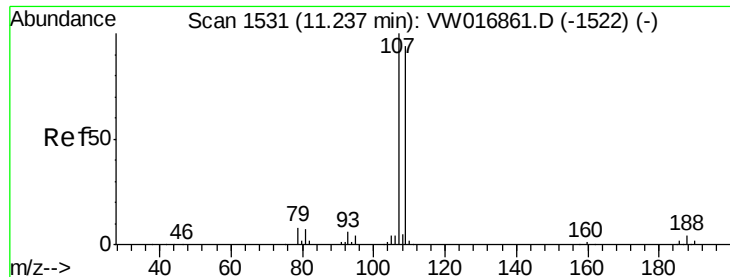
Tot Ion: 43 Resp: 23413
Ion Ratio Lower Upper
43 100
58 55.9 29.5 88.5



#60
Dibromochloromethane
Concen: 4.991 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW016858.D
Acq: 09 Oct 2020 13:26

Tgt Ion: 129 Resp: 14776
Ion Ratio Lower Upper
129 100
127 75.6 38.9 116.6





#61

1,2-Dibromoethane

Concen: 5.159 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW016858.D

Acq: 09 Oct 2020 13:26

Instrument :

MSVOA_W

ClientSampleId :

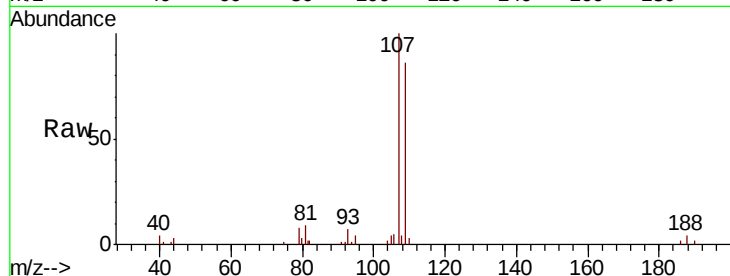
VSTDIC005

Tot Ion:107 Resp: 12333

Ion Ratio Lower Upper

107 100

109 92.3 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

8000

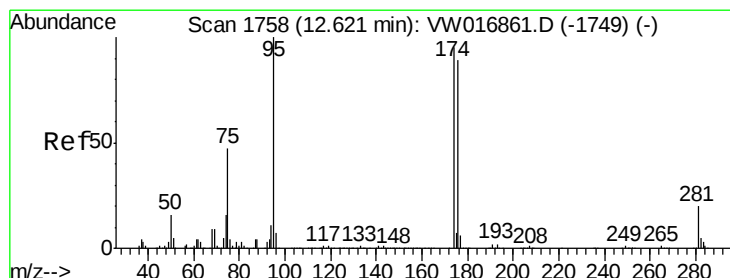
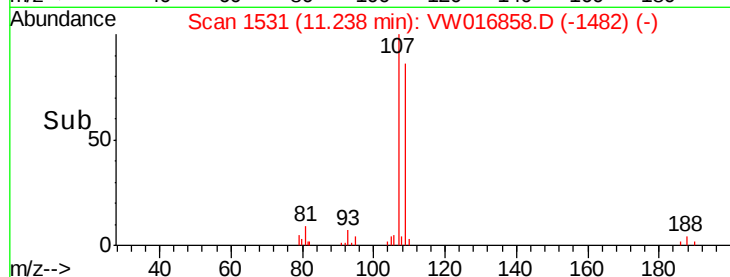
6000

4000

2000

0

Time--> 11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 4.849 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW016858.D

Acq: 09 Oct 2020 13:26

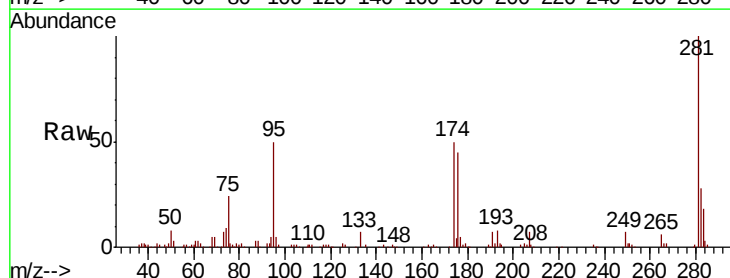
Tgt Ion: 95 Resp: 20742

Ion Ratio Lower Upper

95 100

174 93.0 0.0 180.6

176 91.3 0.0 177.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

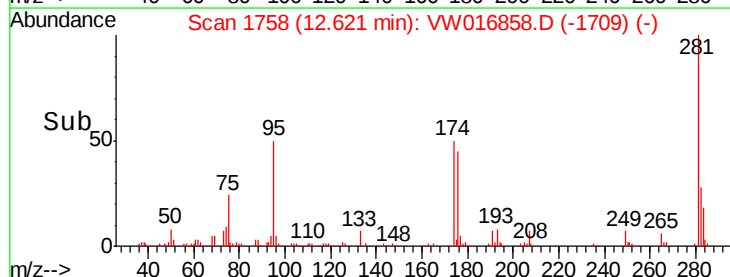
15000

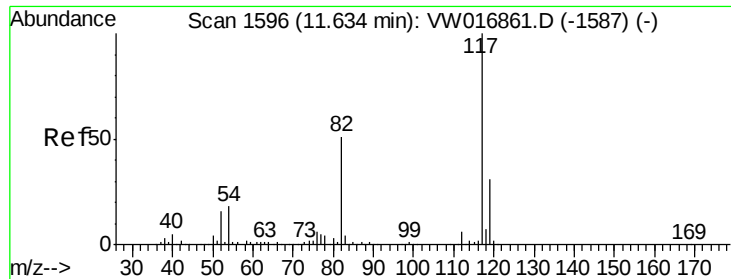
10000

5000

0

Time--> 12.55 12.60 12.65 12.70

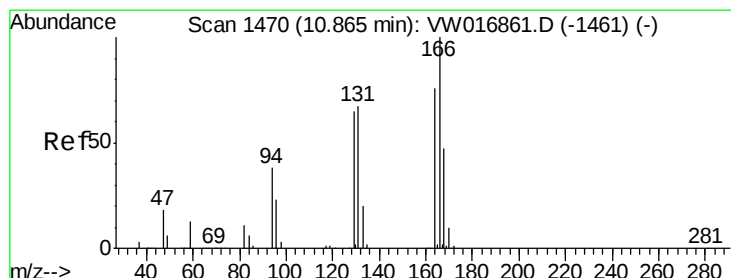
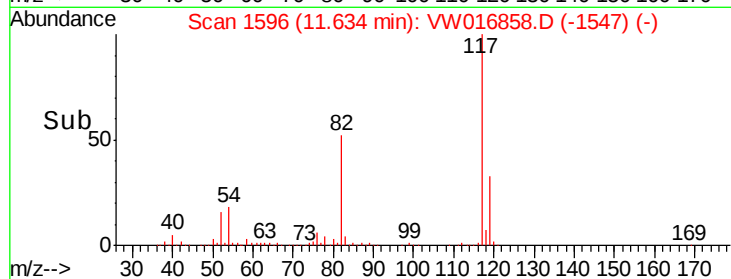
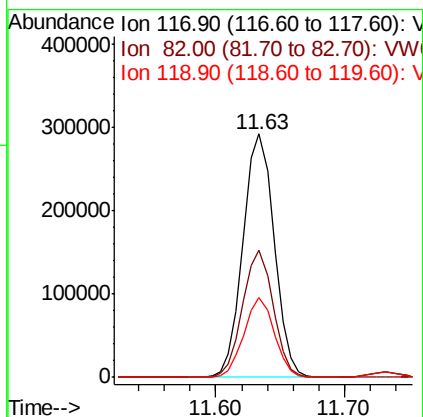
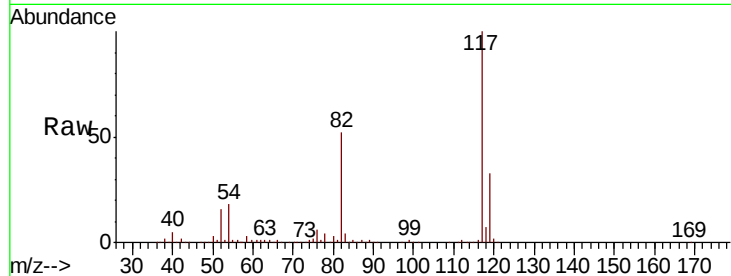




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW016858.D
Acq: 09 Oct 2020 13:26

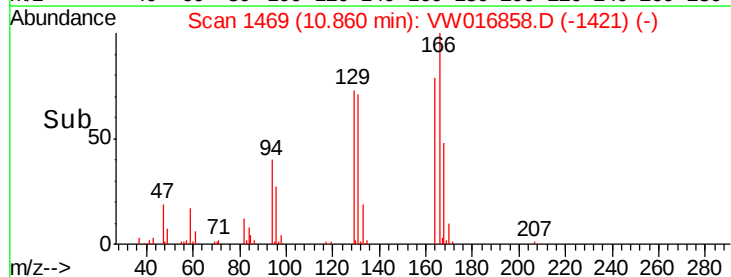
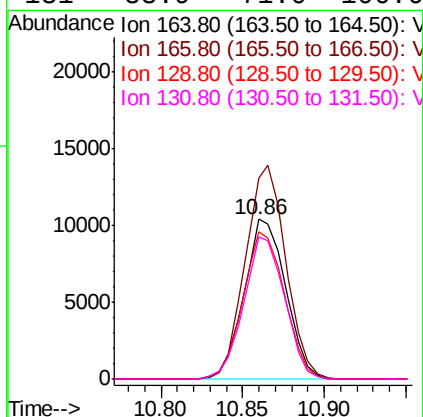
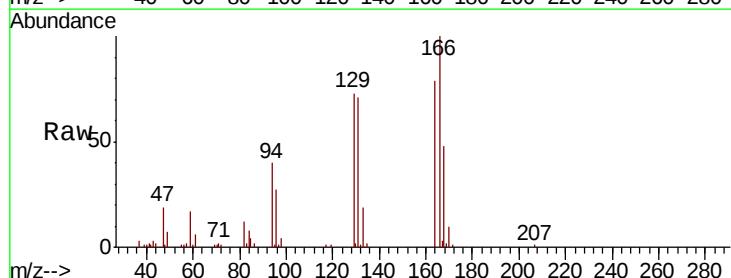
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

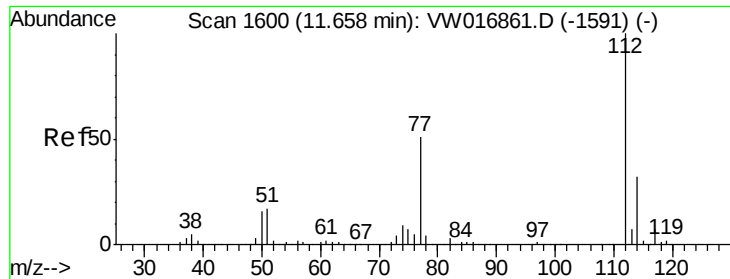
Tot Ion:117 Resp: 489552
Ion Ratio Lower Upper
117 100
82 52.1 40.7 61.1
119 32.7 25.0 37.4



#64
Tetrachloroethene
Concen: 5.269 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW016858.D
Acq: 09 Oct 2020 13:26

Tgt Ion:164 Resp: 18376
Ion Ratio Lower Upper
164 100
166 126.0 105.3 157.9
129 92.3 68.8 103.2
131 88.9 71.0 106.6

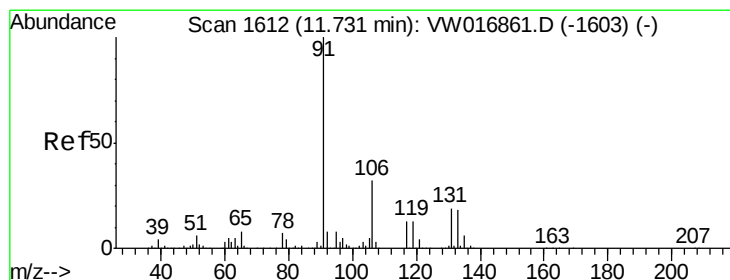
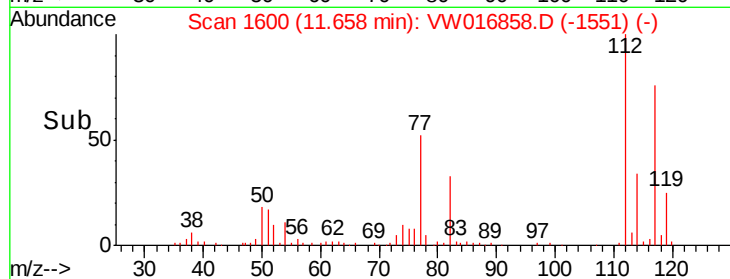
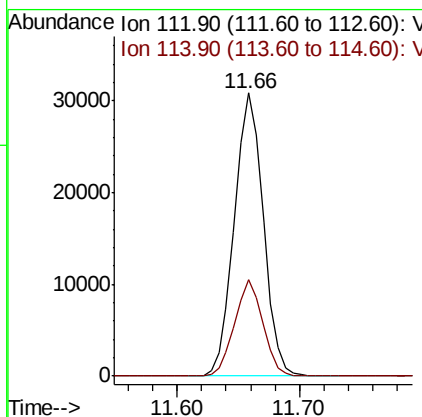
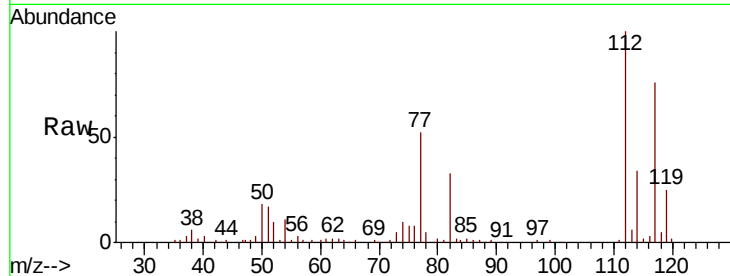




#65
Chlorobenzene
Concen: 5.266 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016858.D
Acq: 09 Oct 2020 13:26

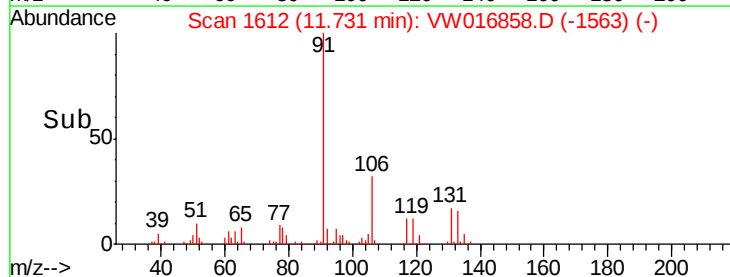
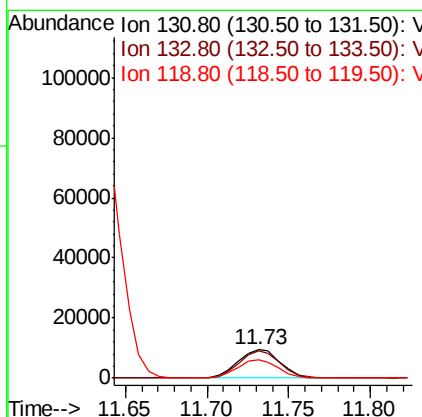
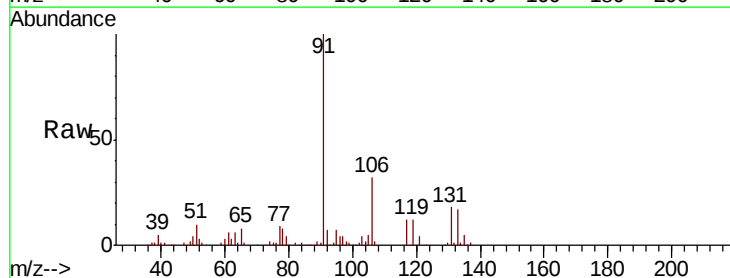
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

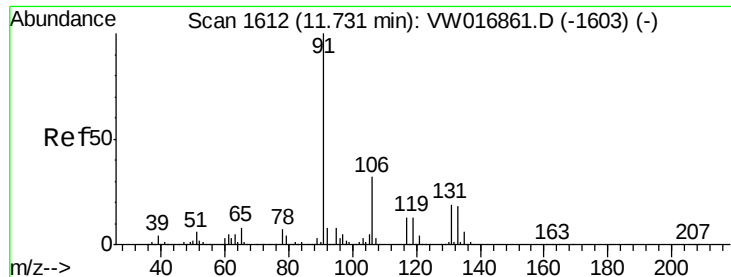
Tot Ion:112 Resp: 50567
Ion Ratio Lower Upper
112 100
114 34.0 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 4.975 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016858.D
Acq: 09 Oct 2020 13:26

Tgt Ion:131 Resp: 16895
Ion Ratio Lower Upper
131 100
133 93.1 48.1 144.3
119 64.2 32.5 97.4

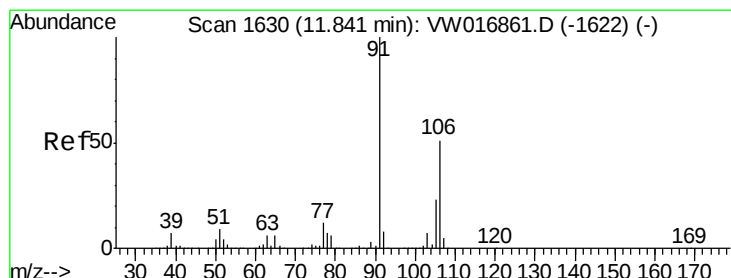
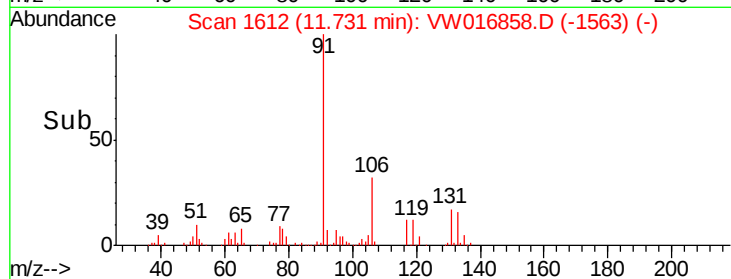
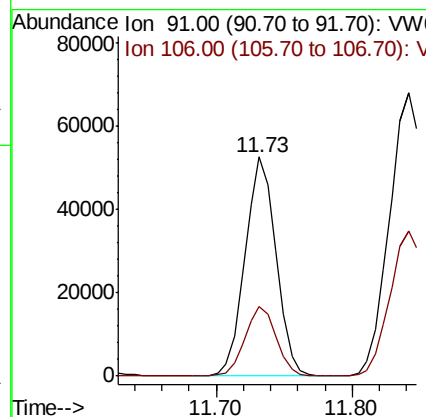
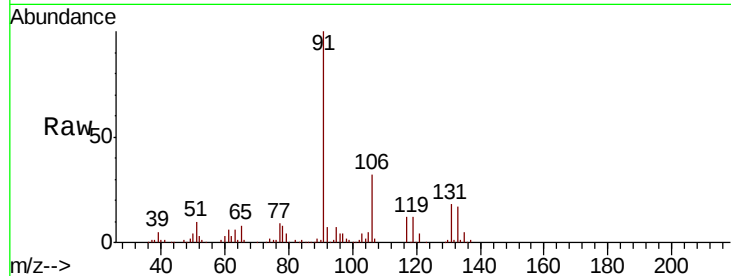




#67
Ethyl Benzene
Concen: 5.011 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016858.D
Acq: 09 Oct 2020 13:26

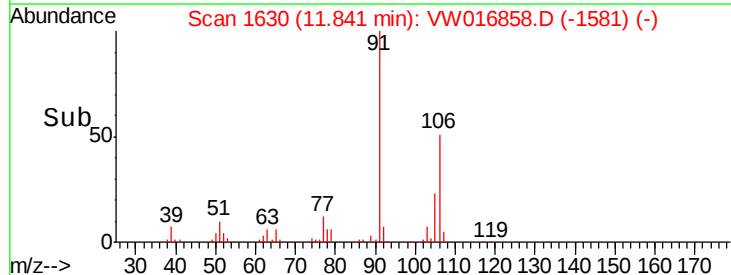
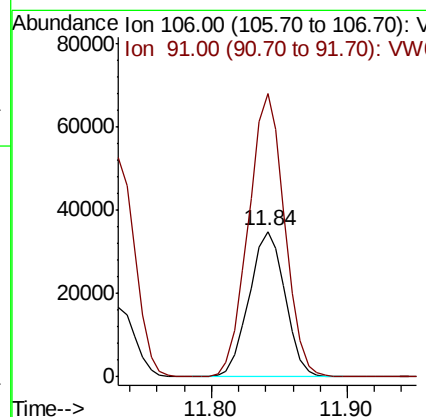
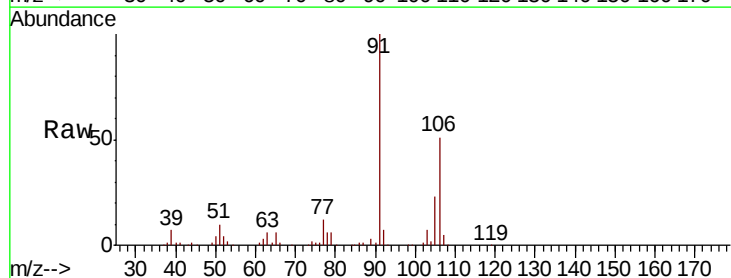
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

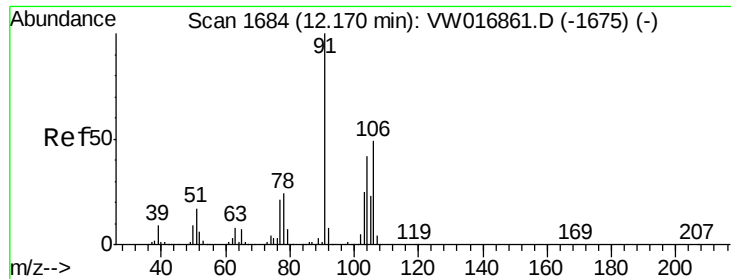
Tot Ion: 91 Resp: 83842
Ion Ratio Lower Upper
91 100
106 31.6 25.9 38.9



#68
m/p-Xylenes
Concen: 9.920 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016858.D
Acq: 09 Oct 2020 13:26

Tgt Ion: 106 Resp: 64556
Ion Ratio Lower Upper
106 100
91 195.9 157.4 236.0

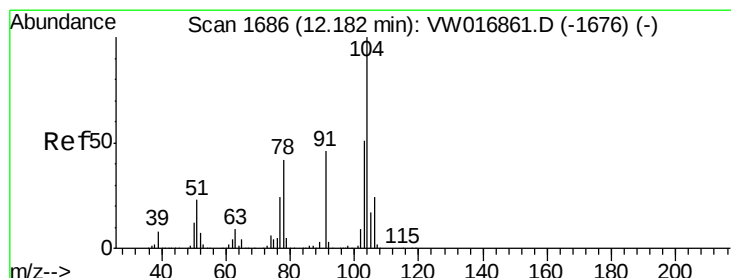
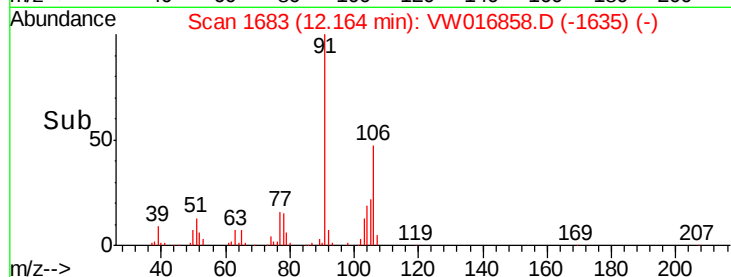
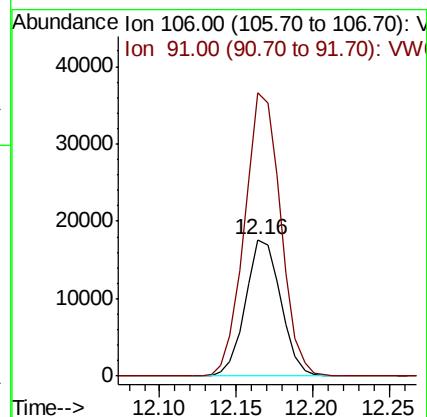
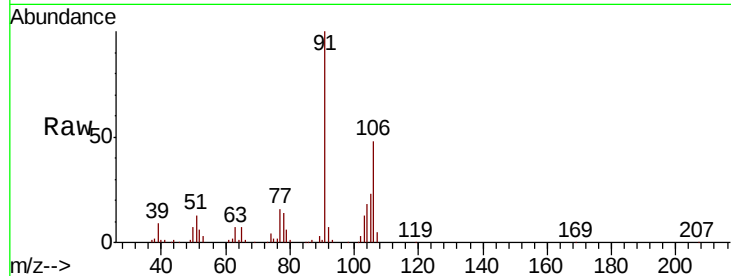




#69
o-Xylene
Concen: 4.727 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW016858.D
Acq: 09 Oct 2020 13:26

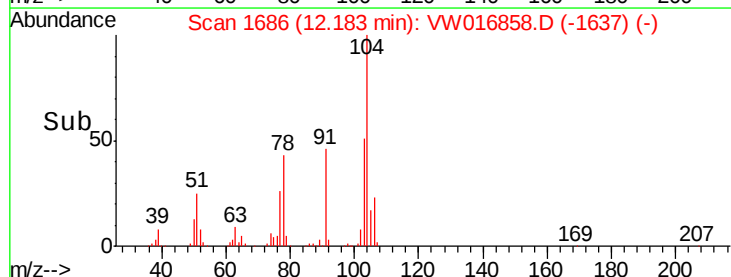
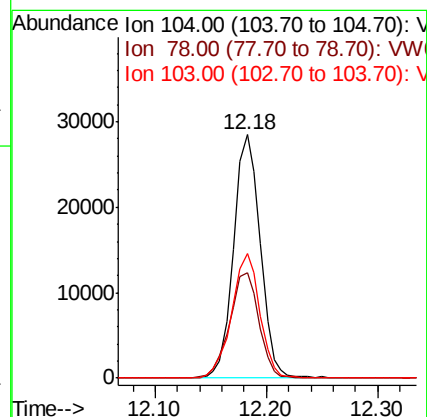
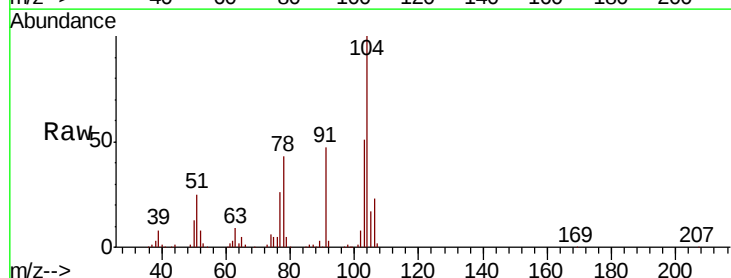
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

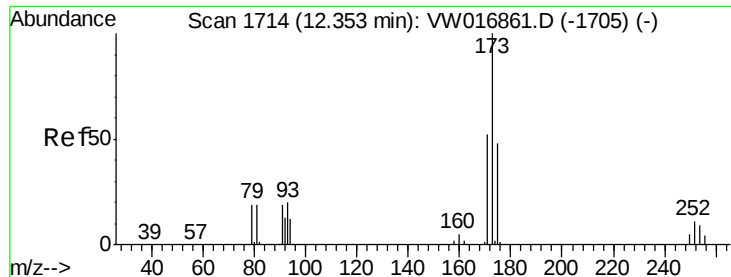
Tot Ion:106 Resp: 28232
Ion Ratio Lower Upper
106 100
91 213.3 103.6 310.9



#70
Styrene
Concen: 4.766 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016858.D
Acq: 09 Oct 2020 13:26

Tgt Ion:104 Resp: 47370
Ion Ratio Lower Upper
104 100
78 47.5 37.6 56.4
103 53.8 43.6 65.4





#71

Bromoform

Concen: 4.601 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW016858.D

Acq: 09 Oct 2020 13:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

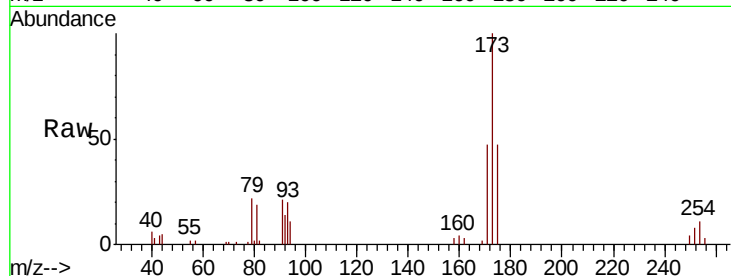
Tot Ion:173 Resp: 7844

Ion Ratio Lower Upper

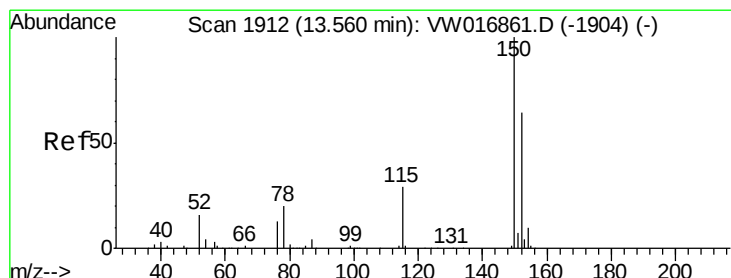
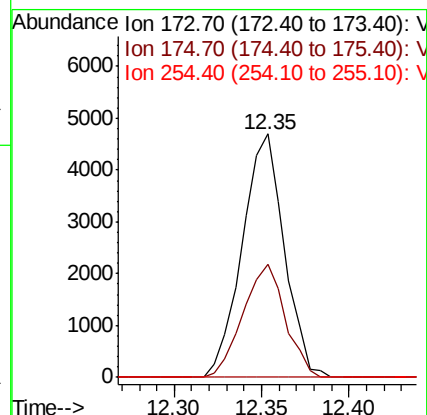
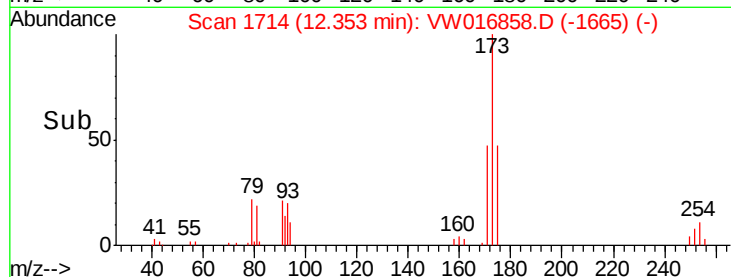
173 100

175 46.5 24.7 74.1

254 0.0 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: VW016858.D

Acq: 09 Oct 2020 13:26

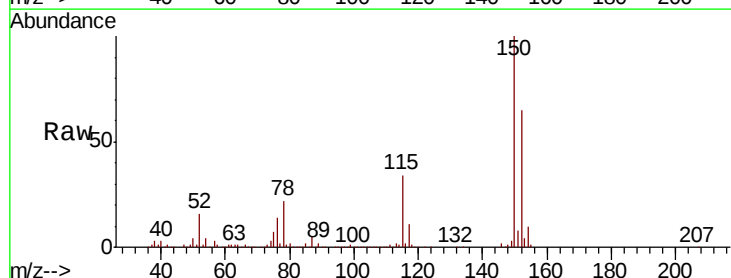
Tgt Ion:152 Resp: 248977

Ion Ratio Lower Upper

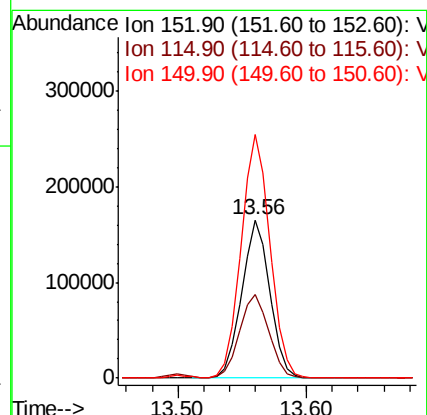
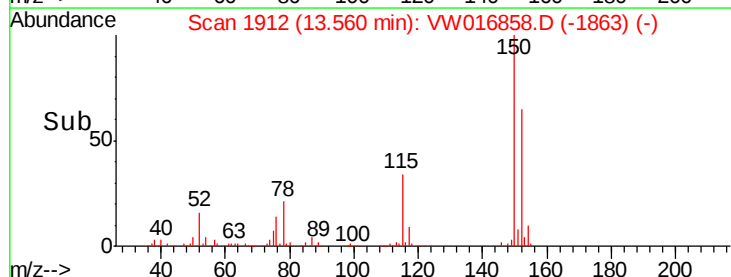
152 100

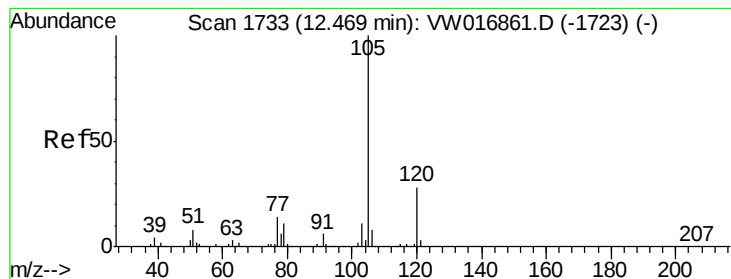
115 55.3 27.9 83.7

150 158.0 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: 4.993 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW016858.D

Acq: 09 Oct 2020 13:26

Instrument :

MSVOA_W

ClientSampleId :

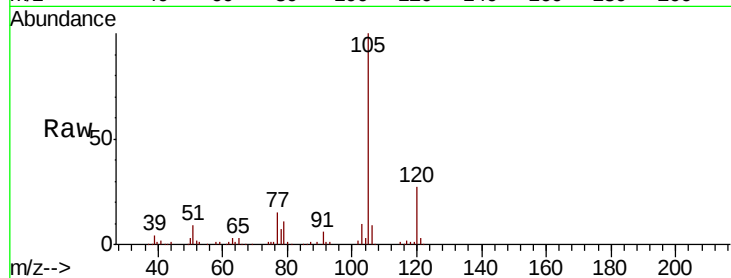
VSTDIC005

Tot Ion:105 Resp: 82630

Ion Ratio Lower Upper

105 100

120 25.9 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

60000

50000

40000

30000

20000

10000

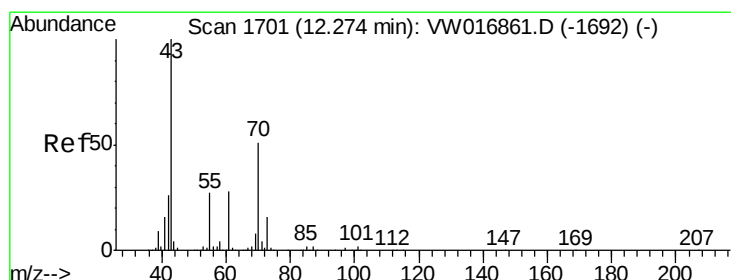
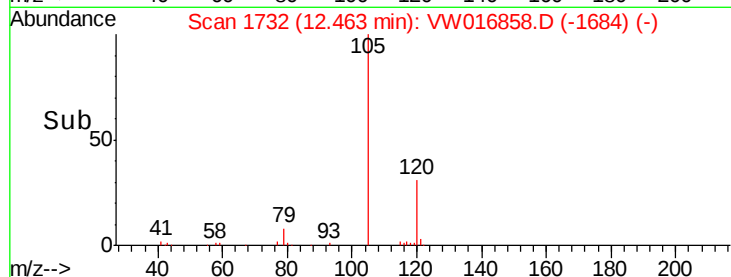
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 4.581 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW016858.D

Acq: 09 Oct 2020 13:26

Tgt Ion: 43 Resp: 12176

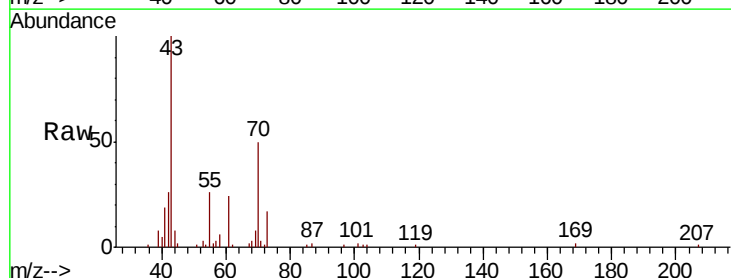
Ion Ratio Lower Upper

43 100

70 49.0 40.2 60.4

55 27.4 21.4 32.0

61 25.4 21.4 32.2



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

10000

8000

6000

4000

2000

0

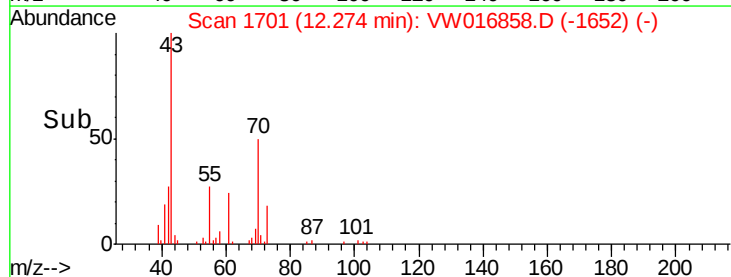
12.27

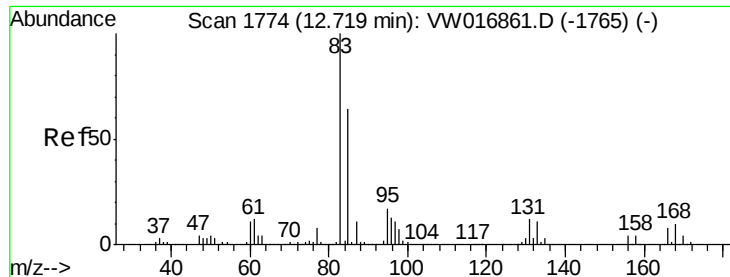
12.20

12.30

12.40

Time-->

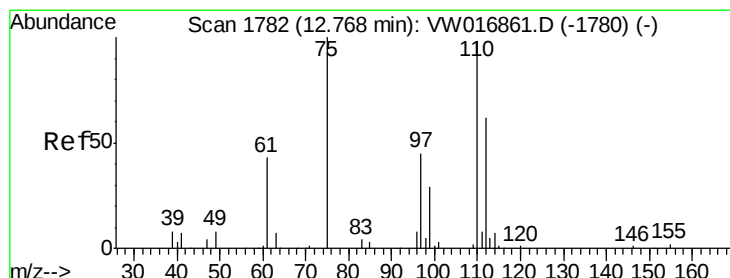
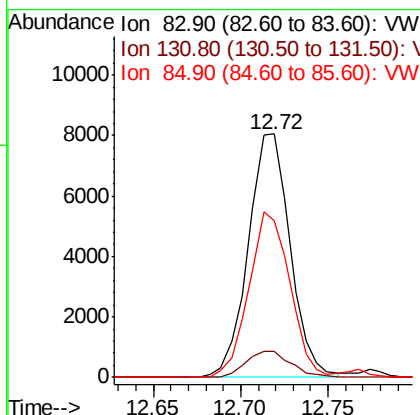
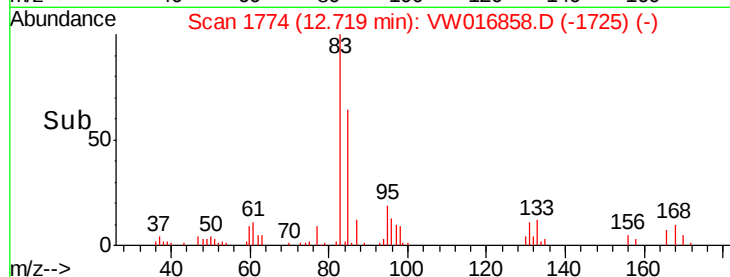
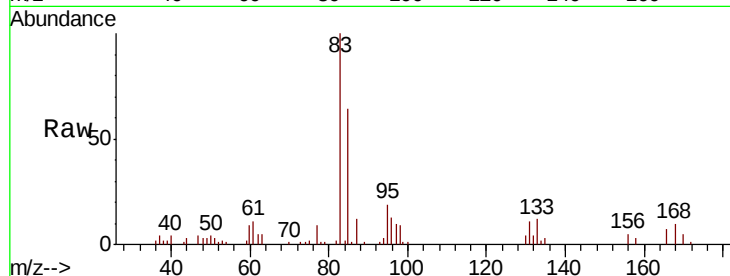




#75
 1,1,2,2-Tetrachloroethane
 Concen: 5.167 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. 0.00 min
 Lab File: VW016858.D
 Acq: 09 Oct 2020 13:26

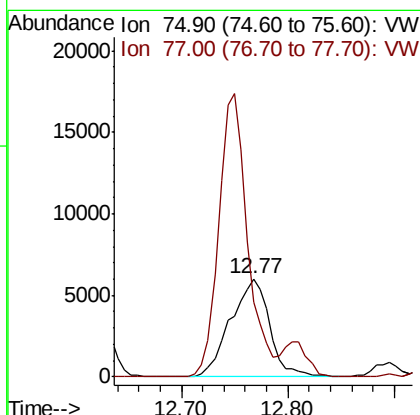
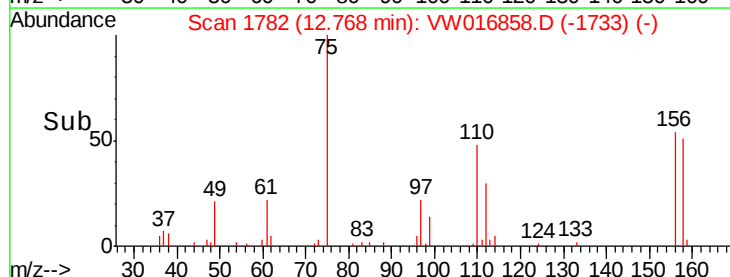
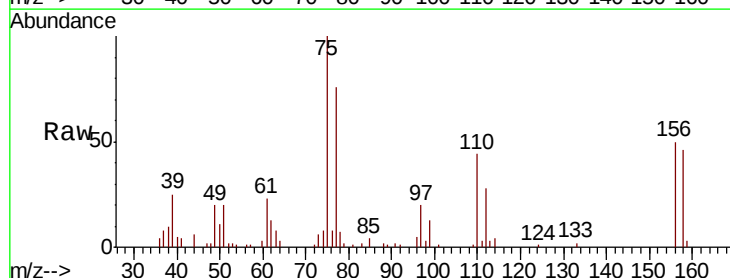
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

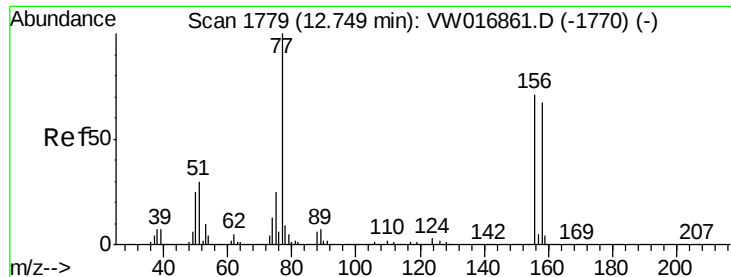
Tot Ion: 83 Resp: 13415
 Ion Ratio Lower Upper
 83 100
 131 11.4 6.1 18.3
 85 66.3 32.7 98.1



#76
 1,2,3-Trichloropropane
 Concen: 9.627 ug/l
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW016858.D
 Acq: 09 Oct 2020 13:26

Tgt Ion: 75 Resp: 15463
 Ion Ratio Lower Upper
 75 100
 77 210.3 178.8 536.3





#77

Bromobenzene

Concen: 5.174 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW016858.D

Acq: 09 Oct 2020 13:26

Instrument :

MSVOA_W

ClientSampleId :

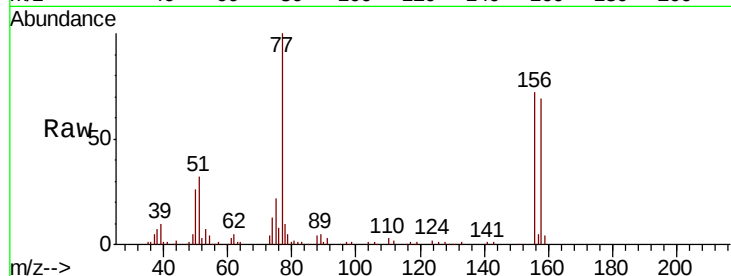
VSTDIC005

Tot Ion:156 Resp: 21166

Ion	Ratio	Lower	Upper
156	100		
77	153.6	79.0	237.2
158	96.6	47.0	141.2

77 153.6 79.0 237.2

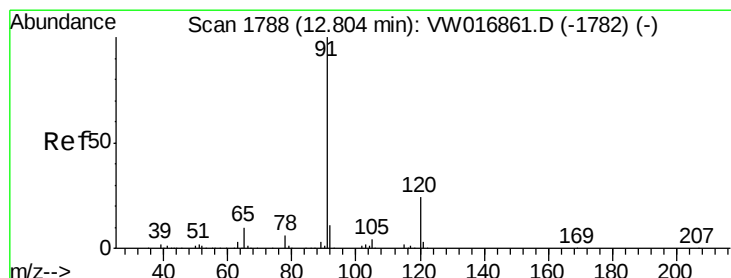
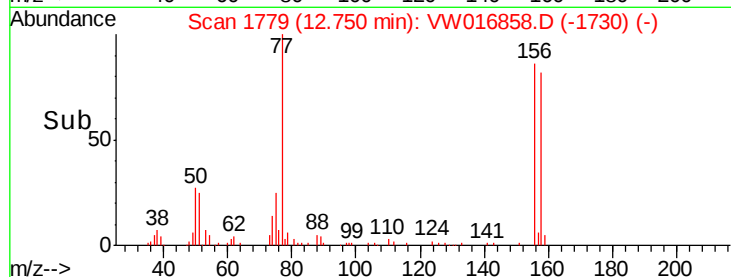
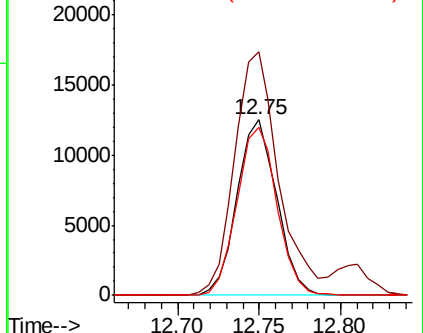
158 96.6 47.0 141.2



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: 4.958 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW016858.D

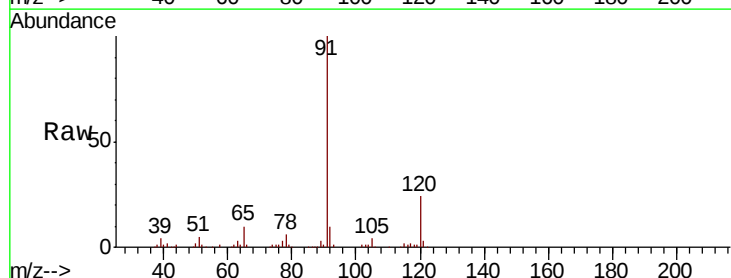
Acq: 09 Oct 2020 13:26

Tgt Ion: 91 Resp: 94617

Ion	Ratio	Lower	Upper
91	100		
120	24.6	12.0	36.1

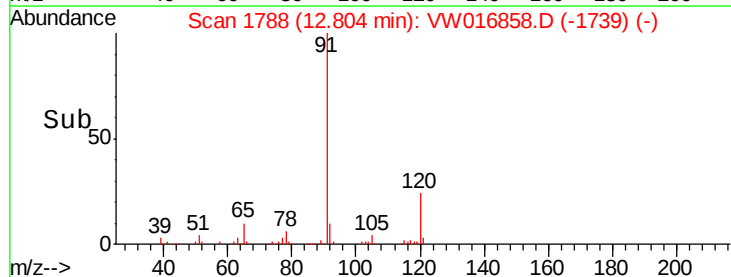
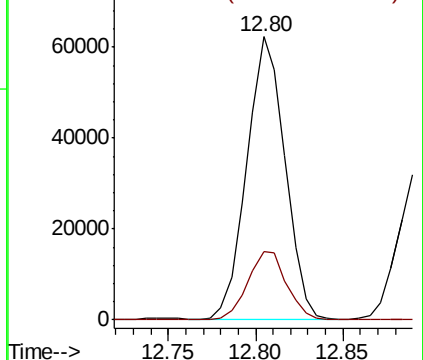
91 100

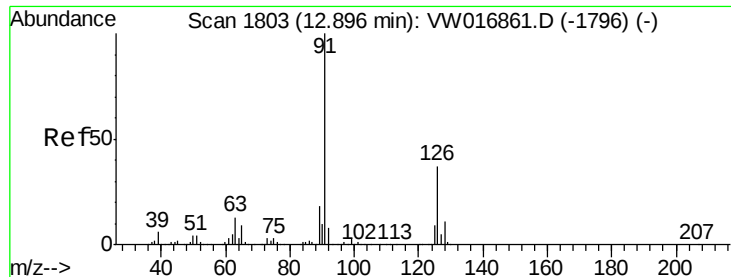
120 24.6 12.0 36.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

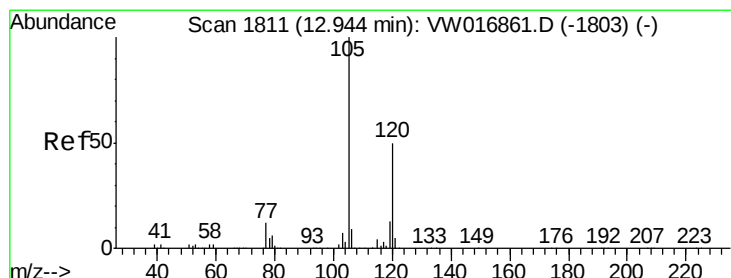
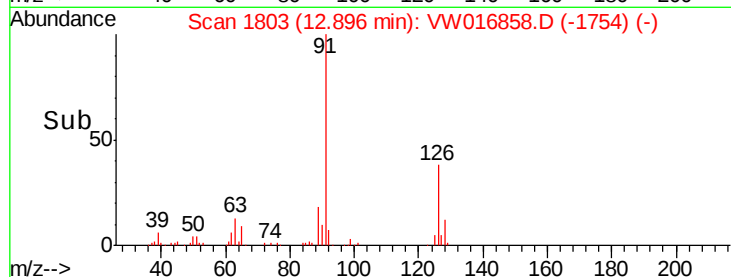
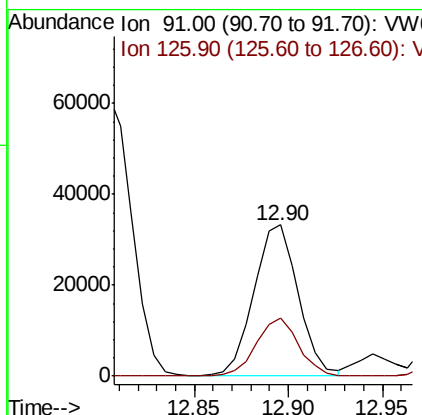
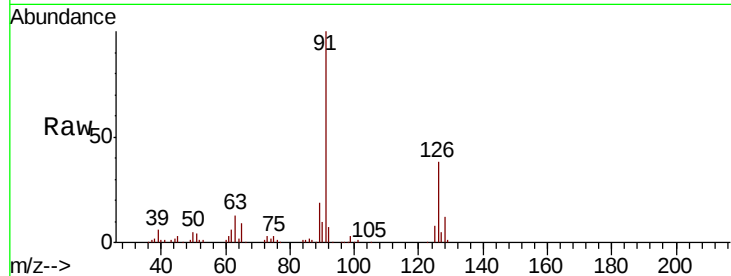




#79
 2-Chlorotoluene
 Concen: 4.986 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW016858.D
 Acq: 09 Oct 2020 13:26

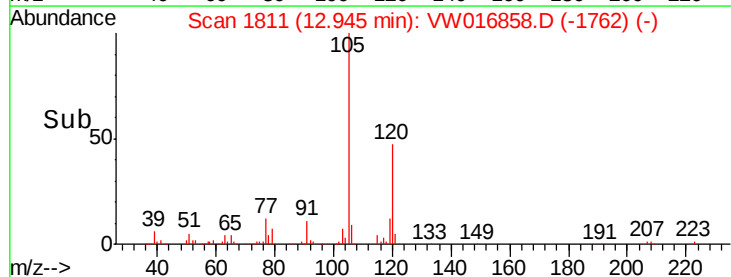
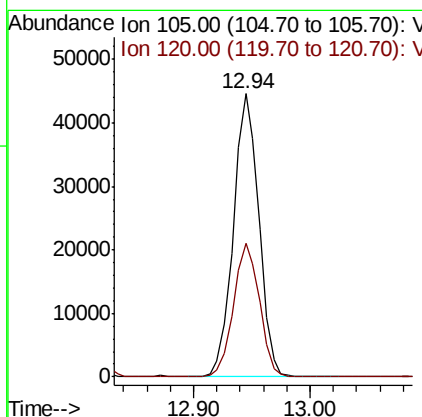
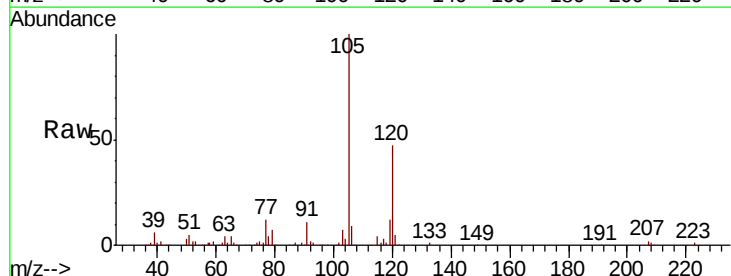
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

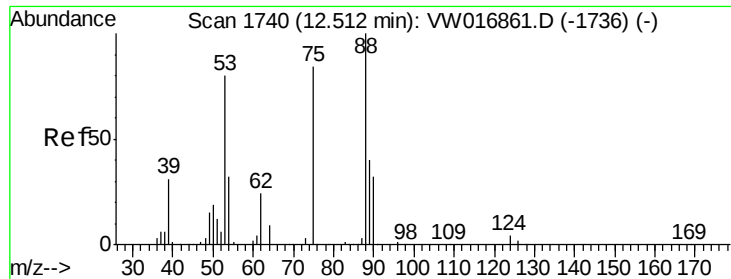
Tot Ion: 91 Resp: 54281
 Ion Ratio Lower Upper
 91 100
 126 36.4 17.9 53.8



#80
 1,3,5-Trimethylbenzene
 Concen: 4.895 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW016858.D
 Acq: 09 Oct 2020 13:26

Tgt Ion: 105 Resp: 67882
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 4.222 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW016858.D

Acq: 09 Oct 2020 13:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

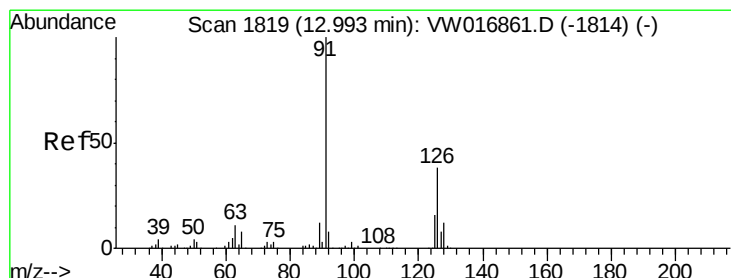
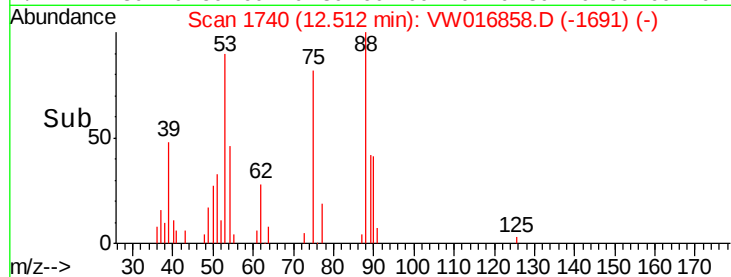
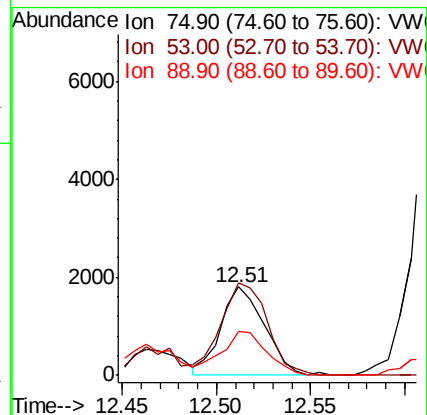
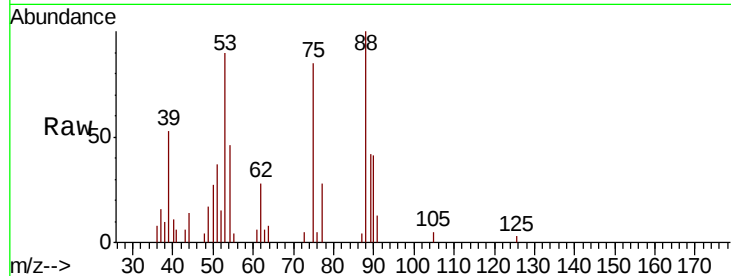
Tot Ion: 75 Resp: 2918

Ion Ratio Lower Upper

75 100

53 113.6 77.0 115.4

89 52.1 38.7 58.1



#82

4-Chlorotoluene

Concen: 5.026 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW016858.D

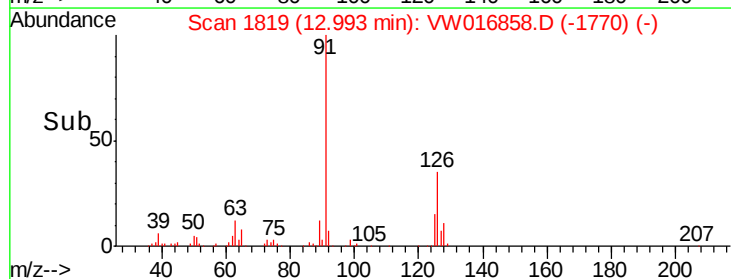
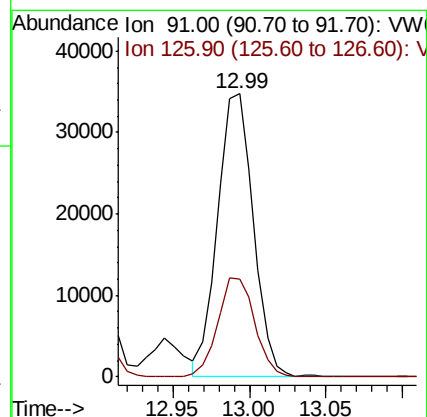
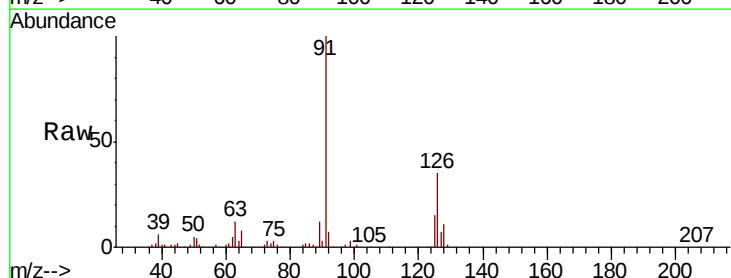
Acq: 09 Oct 2020 13:26

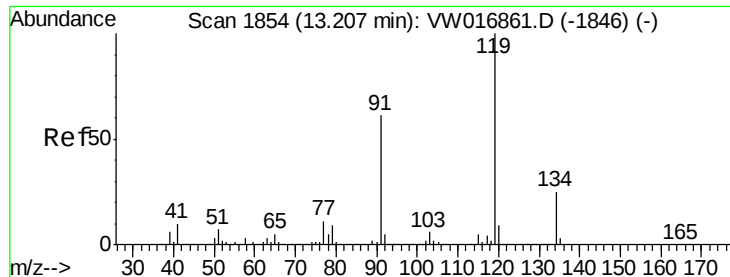
Tgt Ion: 91 Resp: 56484

Ion Ratio Lower Upper

91 100

126 36.1 18.1 54.3

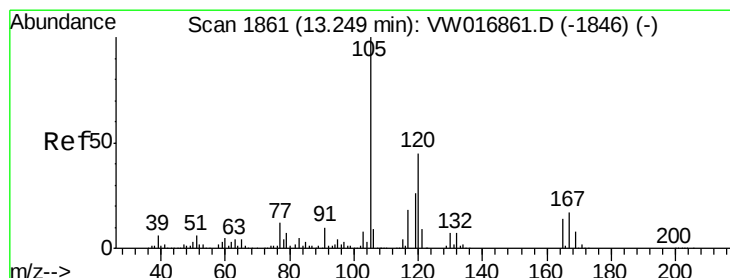
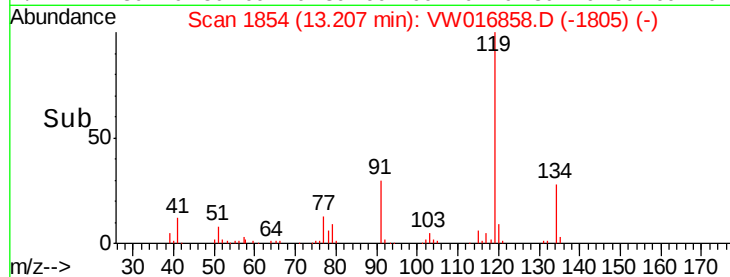
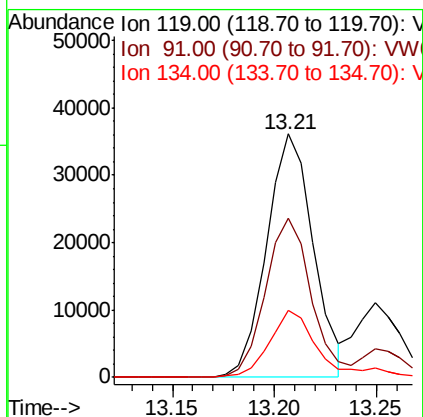
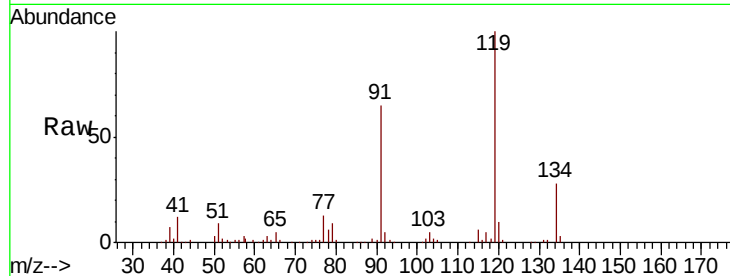




#83
tert-Butylbenzene
Concen: 4.782 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW016858.D
Acq: 09 Oct 2020 13:26

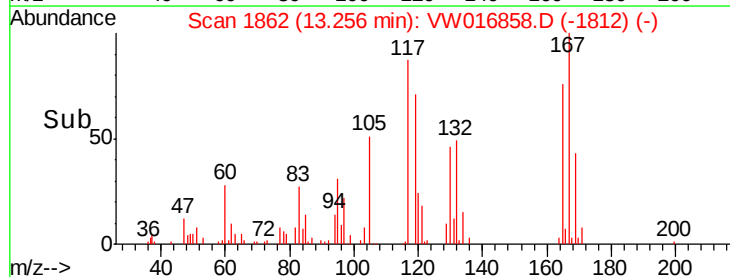
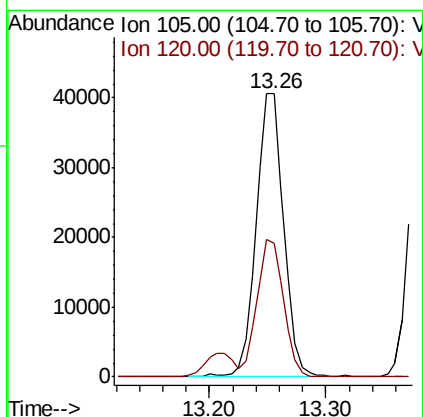
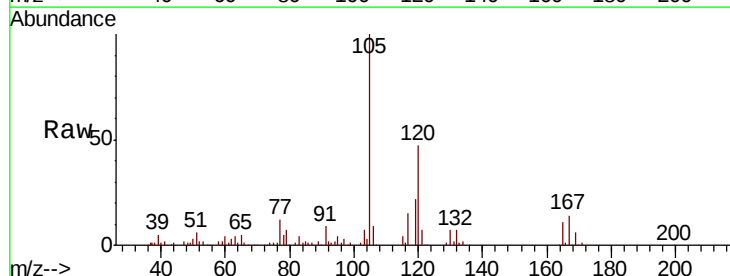
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

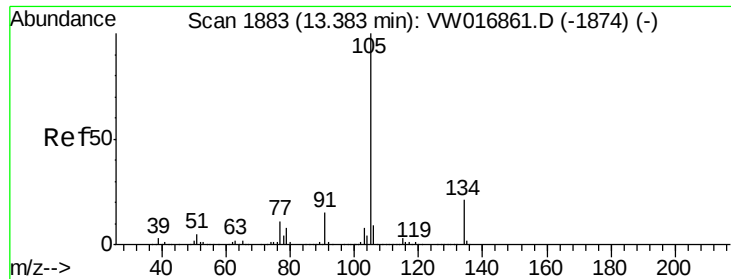
Tot Ion:119 Resp: 57597
Ion Ratio Lower Upper
119 100
91 64.6 31.3 93.9
134 29.2 14.0 42.0



#84
1,2,4-Trimethylbenzene
Concen: 4.835 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VW016858.D
Acq: 09 Oct 2020 13:26

Tgt Ion:105 Resp: 66813
Ion Ratio Lower Upper
105 100
120 47.1 23.4 70.0





#85

sec-Butylbenzene

Concen: 4.938 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW016858.D

Acq: 09 Oct 2020 13:26

Instrument :

MSVOA_W

ClientSampleId :

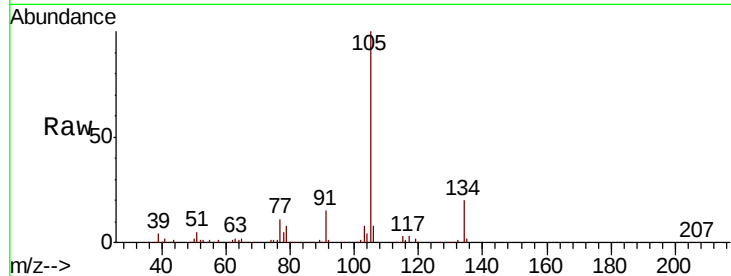
VSTDIC005

Tot Ion:105 Resp: 82788

Ion Ratio Lower Upper

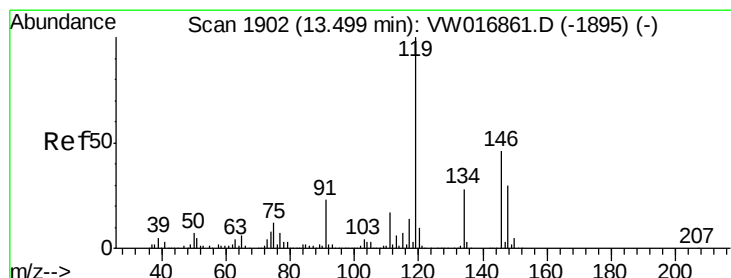
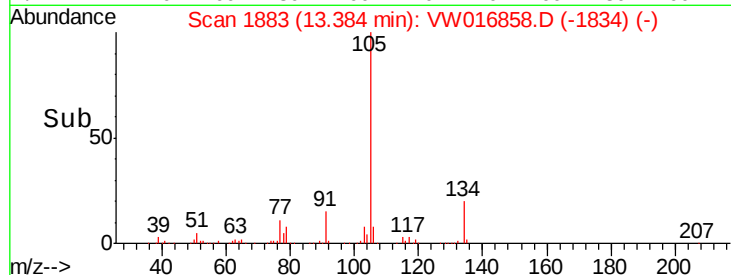
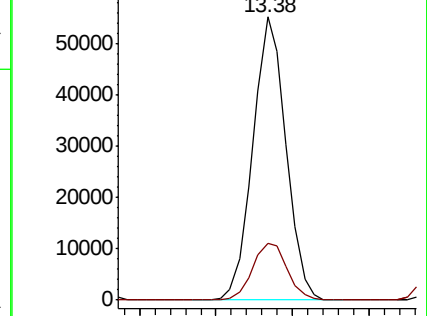
105 100

134 21.1 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.808 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW016858.D

Acq: 09 Oct 2020 13:26

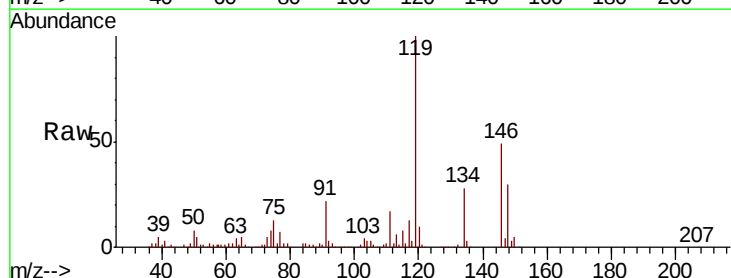
Tgt Ion:119 Resp: 75067

Ion Ratio Lower Upper

119 100

134 27.1 13.8 41.3

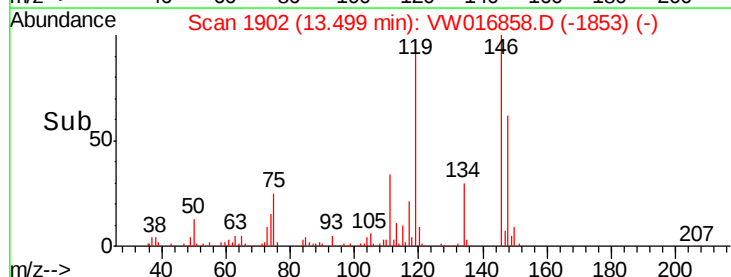
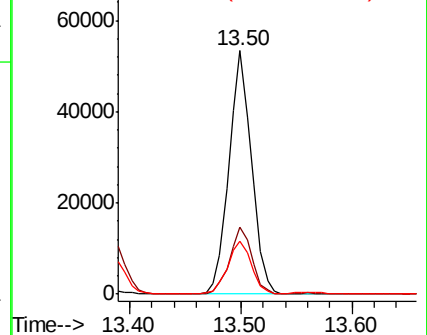
91 22.9 11.3 33.9

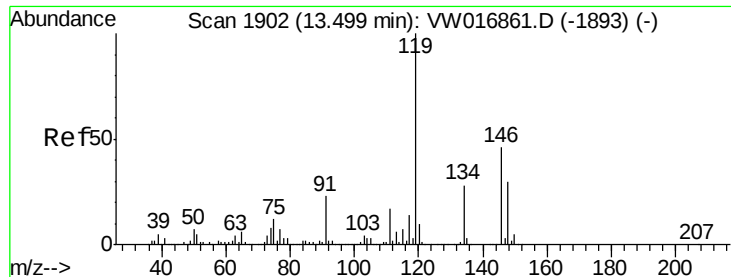


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

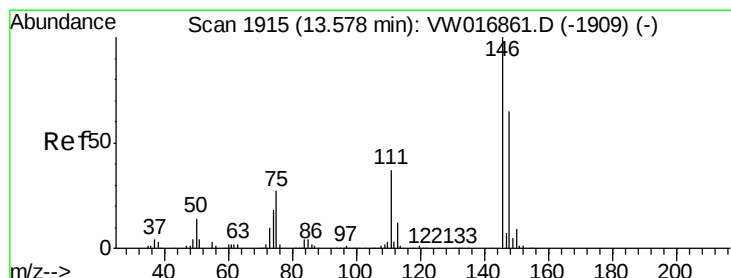
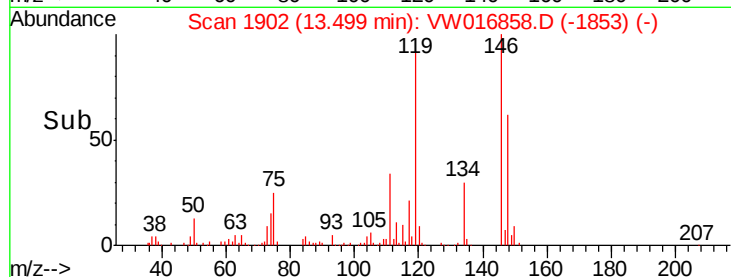
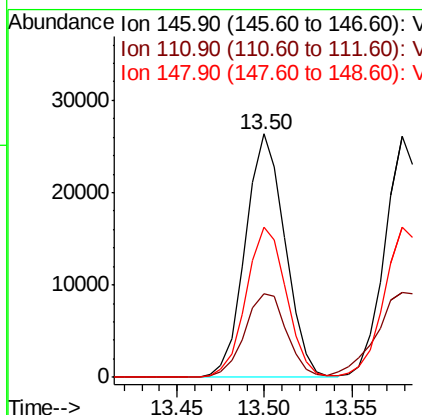
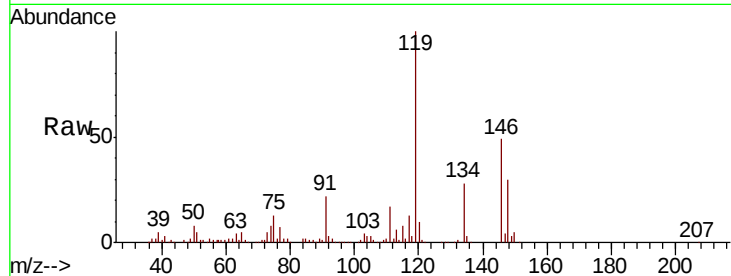




#87
 1,3-Dichlorobenzene
 Concen: 5.261 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016858.D
 Acq: 09 Oct 2020 13:26

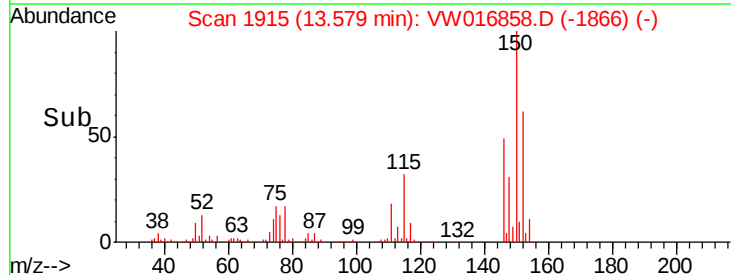
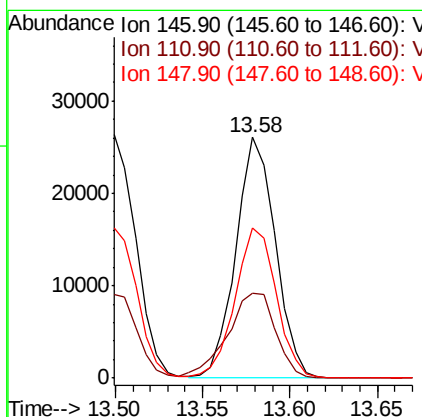
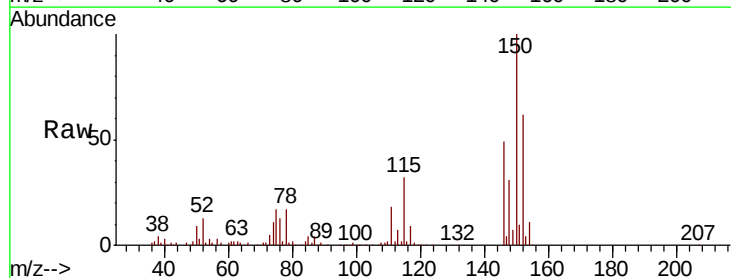
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

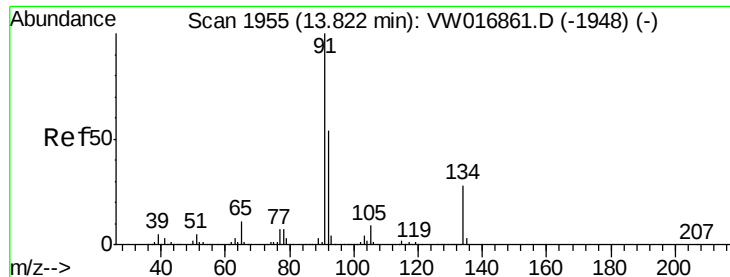
Tot Ion:146 Resp: 41618
 Ion Ratio Lower Upper
 146 100
 111 36.4 19.1 57.5
 148 62.8 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 5.264 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016858.D
 Acq: 09 Oct 2020 13:26

Tgt Ion:146 Resp: 41039
 Ion Ratio Lower Upper
 146 100
 111 43.1 18.5 55.5
 148 65.2 31.8 95.4





#89

n-Butylbenzene

Concen: 4.861 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW016858.D

Acq: 09 Oct 2020 13:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

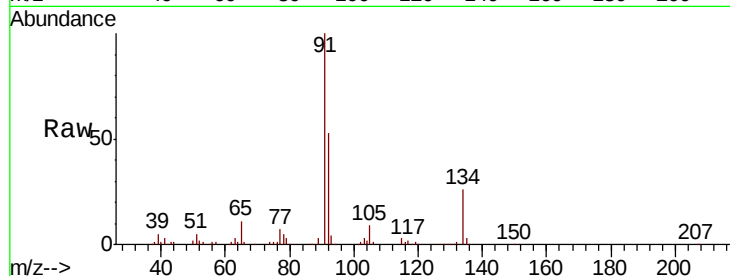
Tot Ion: 91 Resp: 68364

Ion Ratio Lower Upper

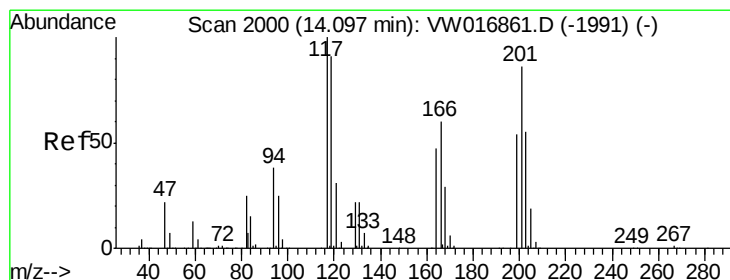
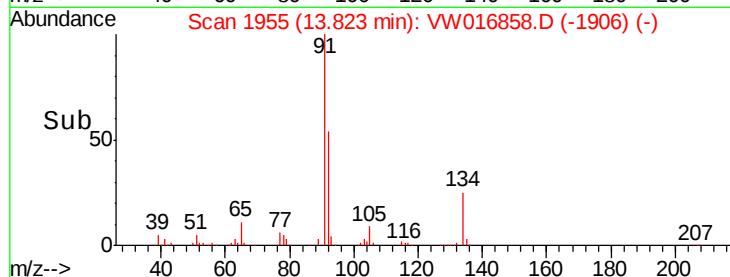
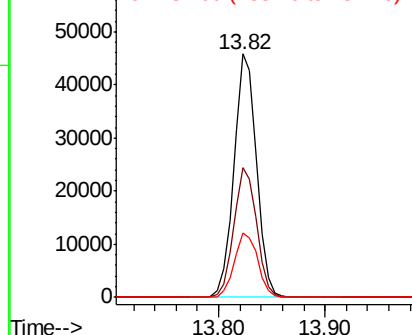
91 100

92 53.7 26.6 79.7

134 27.2 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: 4.689 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW016858.D

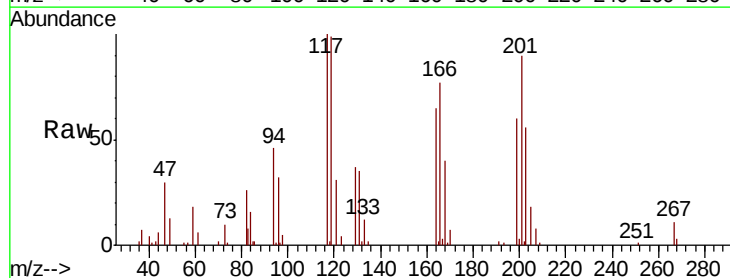
Acq: 09 Oct 2020 13:26

Tgt Ion: 117 Resp: 11296

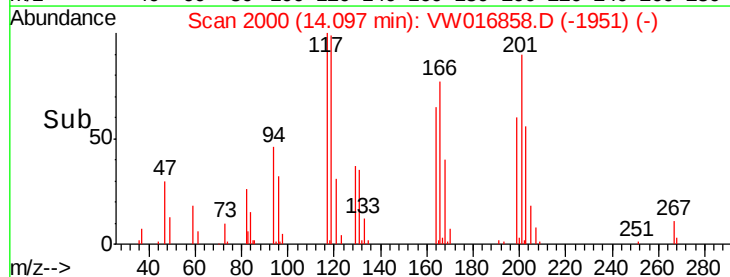
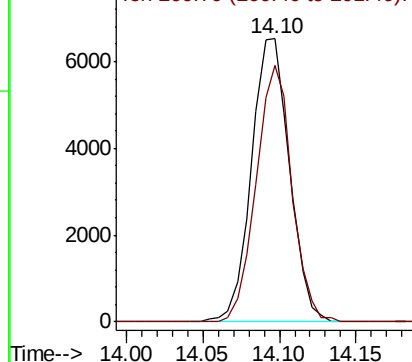
Ion Ratio Lower Upper

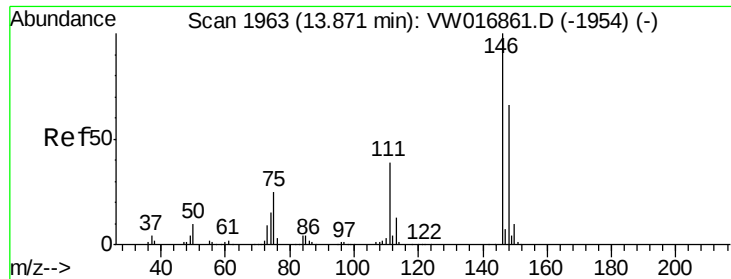
117 100

201 85.3 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: 5.154 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW016858.D

Acq: 09 Oct 2020 13:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

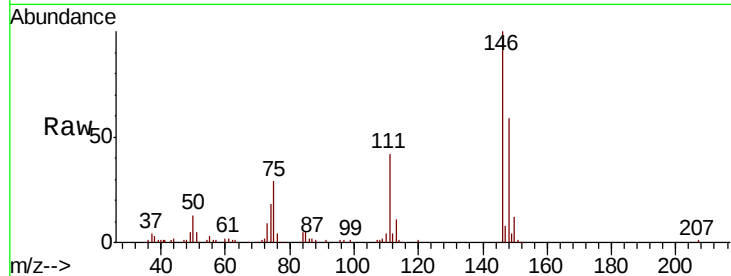
Tot Ion:146 Resp: 35177

Ion Ratio Lower Upper

146 100

111 42.1 20.1 60.3

148 62.7 33.1 99.3

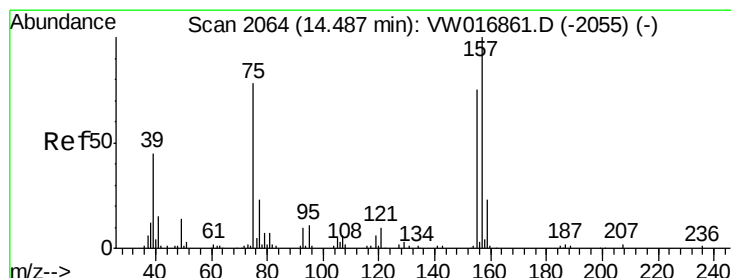
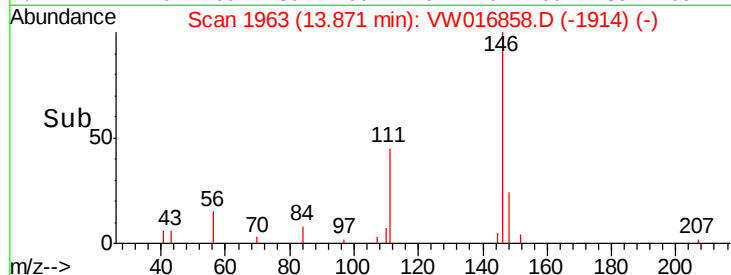
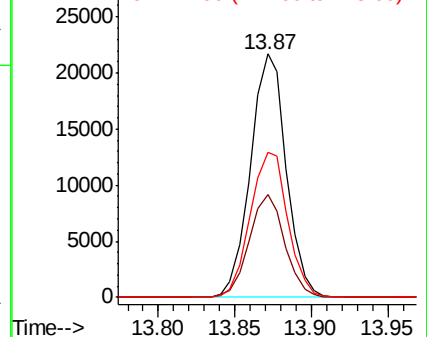


Abundance

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: 4.927 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW016858.D

Acq: 09 Oct 2020 13:26

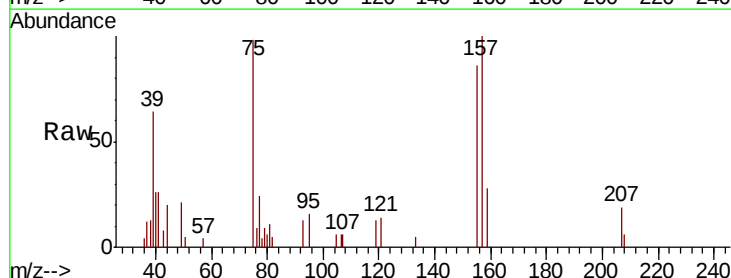
Tgt Ion: 75 Resp: 1959

Ion Ratio Lower Upper

75 100

155 95.9 47.6 142.8

157 110.9 62.2 186.6

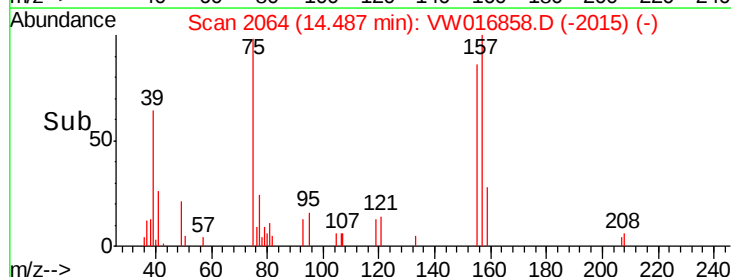
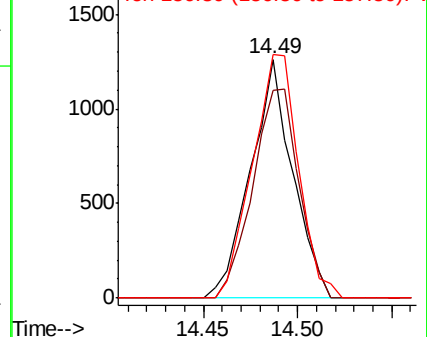


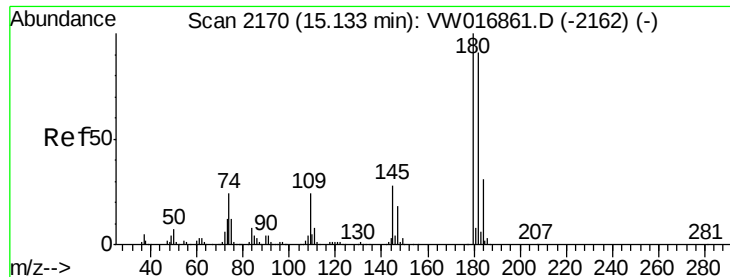
Abundance

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

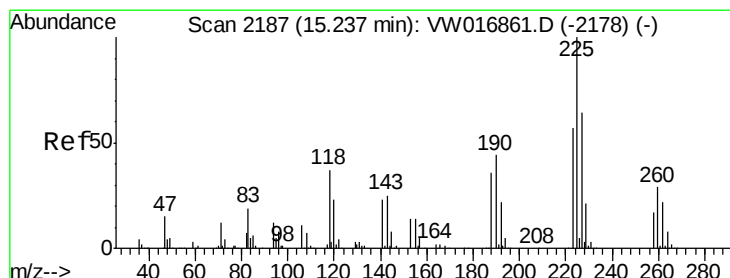
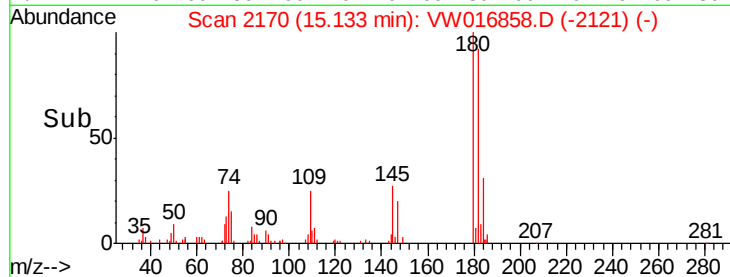
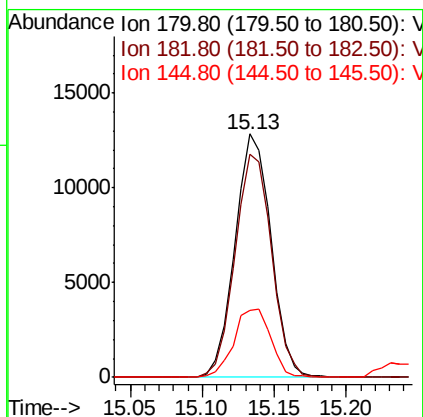
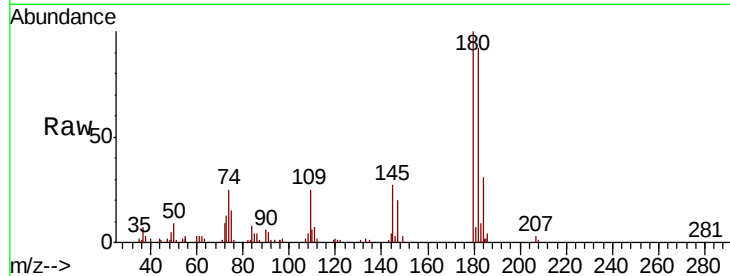




#93
 1,2,4-Trichlorobenzene
 Concen: 4.738 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016858.D
 Acq: 09 Oct 2020 13:26

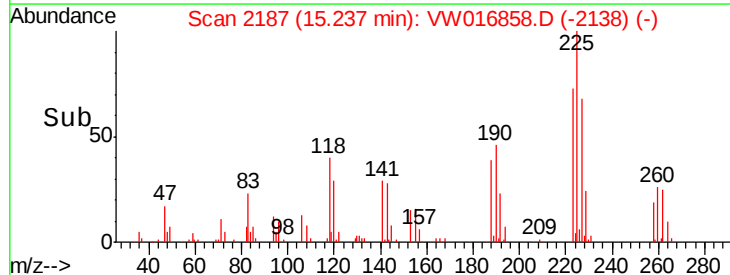
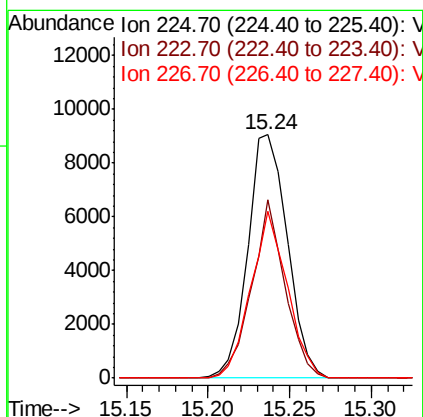
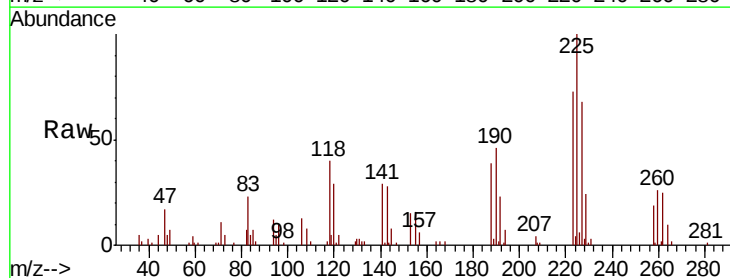
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

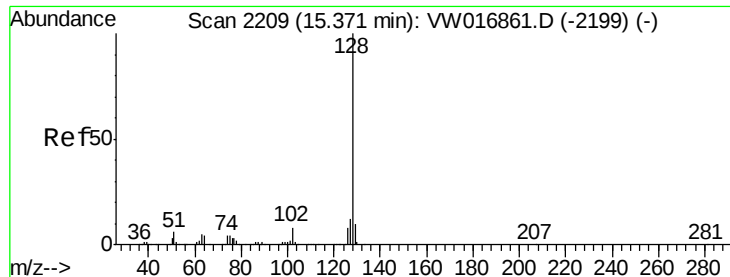
Tot Ion:180 Resp: 22314
 Ion Ratio Lower Upper
 180 100
 182 93.3 48.3 144.9
 145 28.7 14.9 44.5



#94
 Hexachlorobutadiene
 Concen: 5.019 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW016858.D
 Acq: 09 Oct 2020 13:26

Tgt Ion:225 Resp: 15322
 Ion Ratio Lower Upper
 225 100
 223 61.7 31.9 95.7
 227 63.0 33.0 99.0

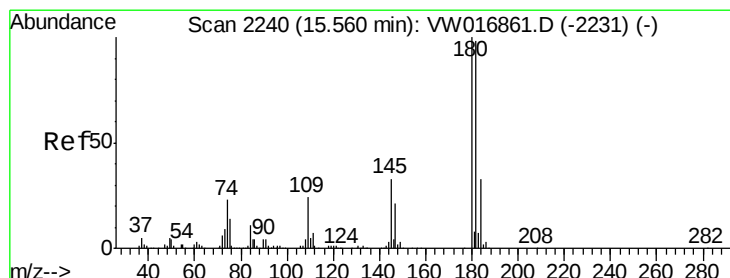
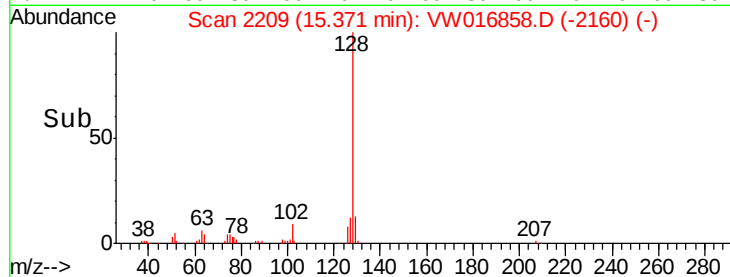
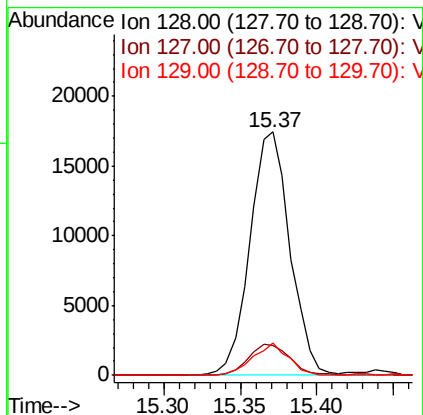
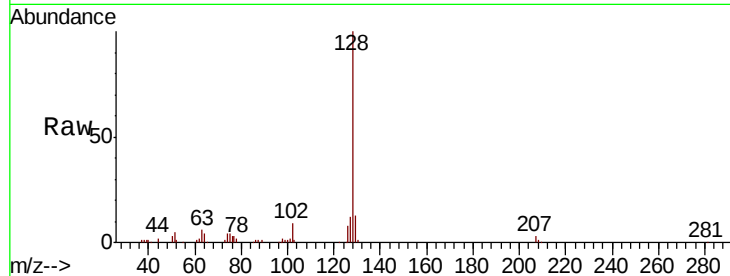




#95
Naphthalene
Concen: 4.146 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW016858.D
Acq: 09 Oct 2020 13:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:128 Resp: 31736
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 11.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 4.827 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW016858.D
Acq: 09 Oct 2020 13:26

Tgt Ion:180 Resp: 19774
Ion Ratio Lower Upper
180 100
182 94.4 49.4 148.2
145 31.2 16.3 48.9

