

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111620\
 Data File : VW017270.D
 Acq On : 16 Nov 2020 20:25
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02537

Quant Time: Nov 17 06:13:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 17 06:08:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	385698	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	347994	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	189487	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	93139	19.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.68%
7) Chloroethane-d5	2.89	69	83478	22.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.20%
10) 1,1-Dichloroethene-d2	4.03	63	187300	21.55	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.20%
20) 2-Butanone-d5	7.08	46	53938	49.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.30%
24) Chloroform-d	7.65	84	231619	25.72	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.88%
26) 1,2-Dichloroethane-d4	8.31	65	115257	25.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.00%
29) Benzene-d6	8.27	84	414563	23.39	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.56%
33) 1,2-Dichloropropane-d6	9.27	67	117767	24.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.12%
37) Toluene-d8	10.32	98	405711	24.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.12%
38) trans-1,3-Dichloropropene-	10.58	79	54828	24.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.24%
39) 2-Hexanone-d5	10.93	63	46410	54.25	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.50%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	112357	26.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	179265	26.85	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	92016	23.778	ug/L 98
3) Chloromethane	2.21	50	68062	19.379	ug/L 98
5) Vinyl chloride	2.37	62	112615	21.862	ug/L 100
6) Bromomethane	2.78	94	84343	23.676	ug/L 98
8) Chloroethane	2.93	64	71149	22.892	ug/L 96
9) Trichlorofluoromethane	3.26	101	104761	25.006	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	117855	23.673	ug/L 98
12) 1,1-Dichloroethene	4.04	96	106150	22.174	ug/L 97
13) Acetone	4.13	43	30340	41.709	ug/L 96
14) Carbon disulfide	4.39	76	241938	18.571	ug/L 99
16) Methylene chloride	4.92	84	108019	20.773	ug/L 99
17) Methyl tert-butyl Ether	5.43	73	148946	25.481	ug/L 97
18) trans-1,2-Dichloroethene	5.43	96	111105	22.421	ug/L 97
19) 1,1-Dichloroethane	6.22	63	181849	23.163	ug/L 97
21) 2-Butanone	7.18	43	48679	41.677	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	123138	23.503	ug/L 97
23) Bromochloromethane	7.52	128	59506	23.590	ug/L 92

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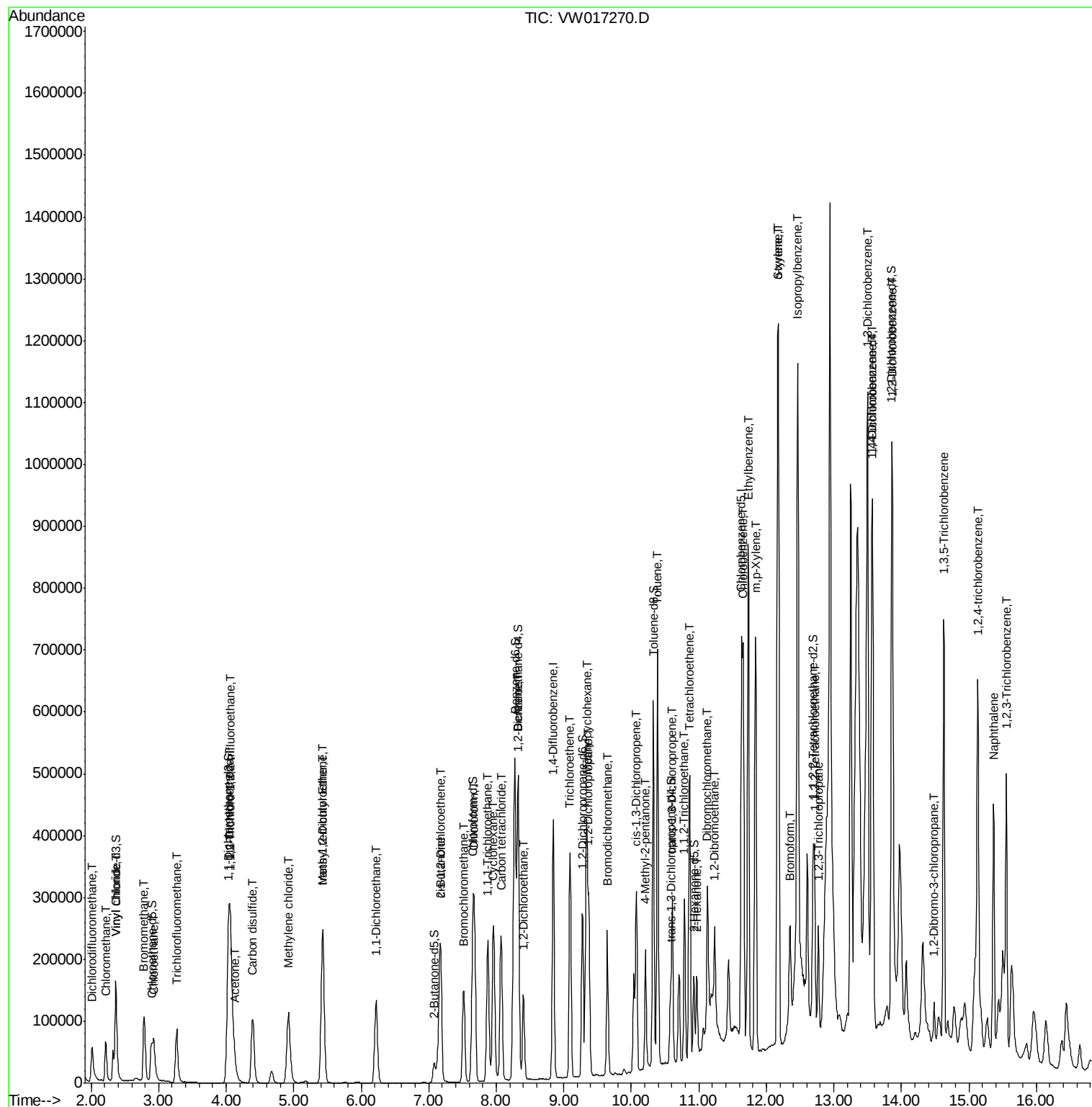
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.68	83	214084	25.047	ug/L	99
27) 1,2-Dichloroethane	8.40	62	125588	24.519	ug/L	97
30) Cyclohexane	7.96	56	144371	22.034	ug/L	97
31) 1,1,1-Trichloroethane	7.88	97	191288	26.842	ug/L	99
32) Carbon tetrachloride	8.07	117	179122	26.048	ug/L	100
34) Benzene	8.32	78	419600	22.963	ug/L	100
35) Trichloroethene	9.09	95	122448	23.922	ug/L	97
36) Methylcyclohexane	9.34	83	187384	22.750	ug/L	97
40) 1,2-Dichloropropane	9.37	63	98999	23.176	ug/L	98
41) Bromodichloromethane	9.65	83	149955	25.383	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	164135	24.260	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	114550	43.466	ug/L	97
44) Toluene	10.39	91	496554	24.687	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	145440	25.031	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	84510	22.947	ug/L	98
47) Tetrachloroethene	10.87	164	112660	24.394	ug/L	97
49) 2-Hexanone	10.97	43	74907	47.147	ug/L	94
50) Dibromochloromethane	11.13	129	120066	26.759	ug/L	96
51) 1,2-Dibromoethane	11.24	107	86401	24.149	ug/L	95
52) Chlorobenzene	11.66	112	341984	25.139	ug/L	99
53) Ethylbenzene	11.73	91	574540	25.573	ug/L	98
54) m,p-Xylene	11.84	106	224709	25.569	ug/L	99
55) o-xylene	12.17	106	220319	26.412	ug/L	97
56) Styrene	12.18	104	380317	27.156	ug/L	100
57) Isopropylbenzene	12.46	105	622179	27.484	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.72	83	102881	24.182	ug/L #	97
59) 1,2,3-Trichloropropane	12.77	75	69710	22.795	ug/L	98
62) Bromoform	12.35	173	72361	24.878	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	294844	25.013	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	291563	24.620	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	263204	24.761	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	16050	22.837	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	227971	26.246	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	188426	27.183	ug/L	98
69) Naphthalene	15.36	128	338617	26.546	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	156969	24.784	ug/L	94

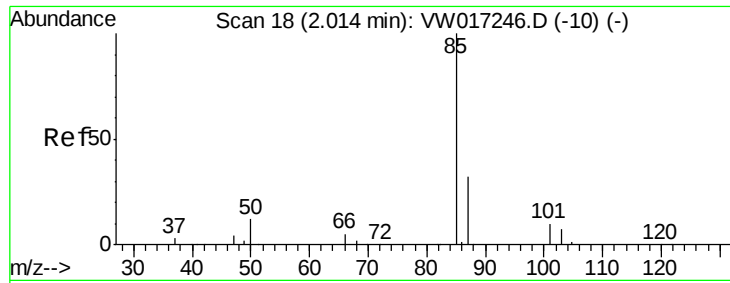
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.778 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW017270.D

Acq: 16 Nov 2020 20:25

Instrument :

MSVOA_W

ClientSampleId :

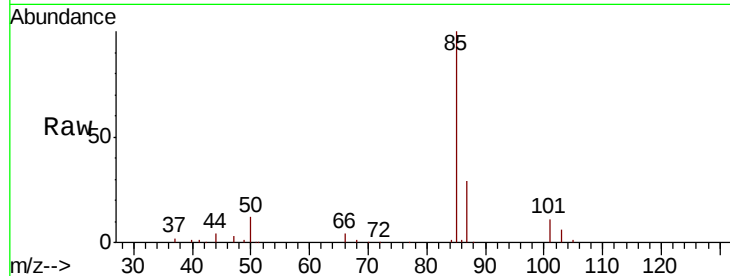
VSTD02537

Tot Ion: 85 Resp: 92016

Ion Ratio Lower Upper

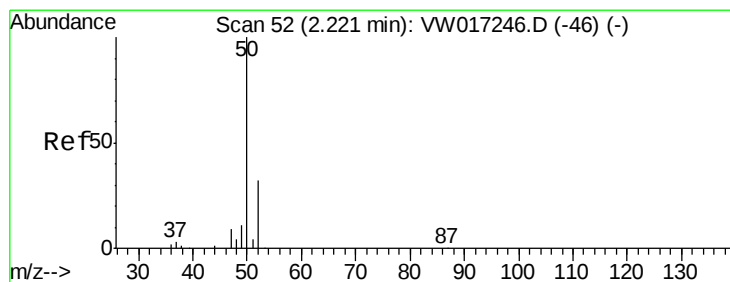
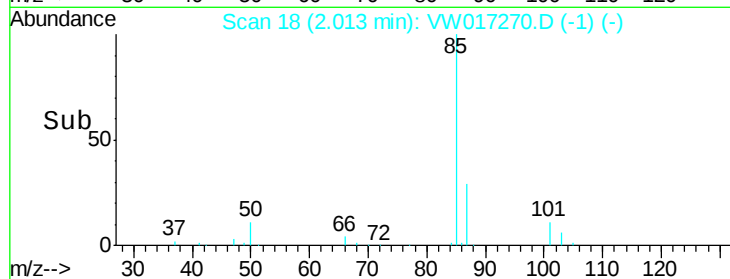
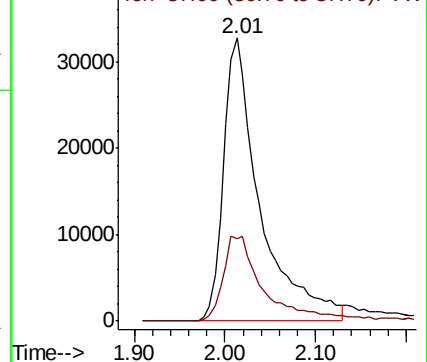
85 100

87 31.6 21.5 39.9



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 19.379 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW017270.D

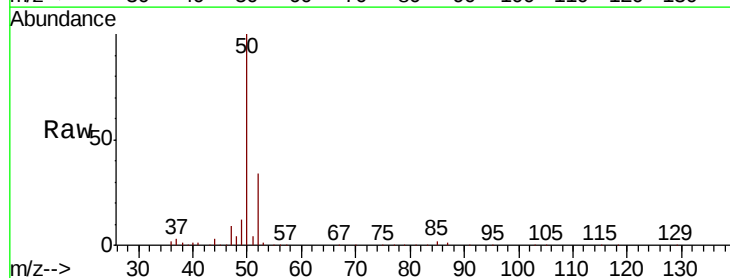
Acq: 16 Nov 2020 20:25

Tgt Ion: 50 Resp: 68062

Ion Ratio Lower Upper

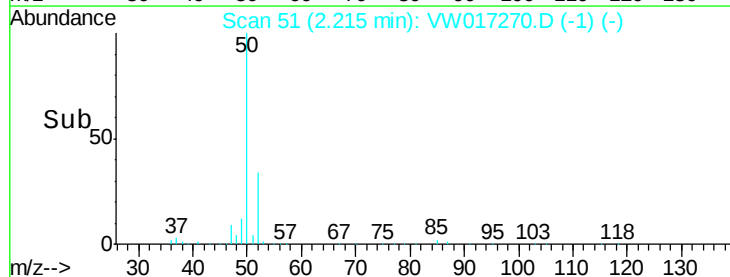
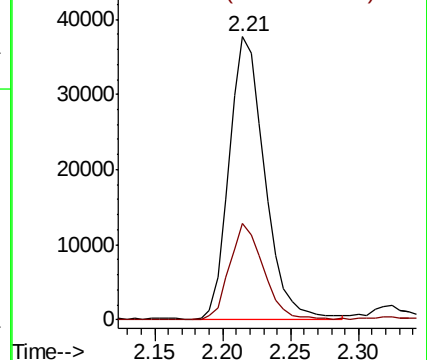
50 100

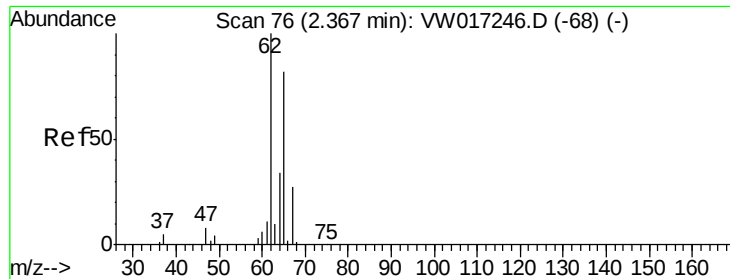
52 34.3 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 21.862 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017270.D

Acq: 16 Nov 2020 20:25

Instrument :

MSVOA_W

ClientSampleId :

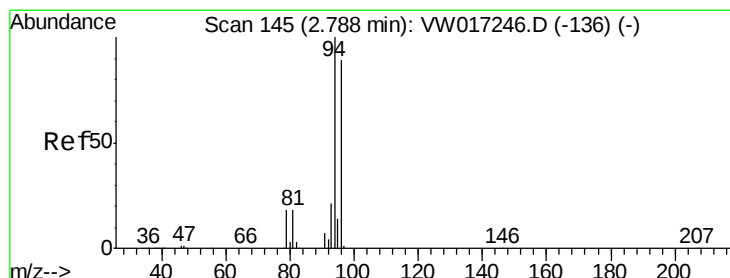
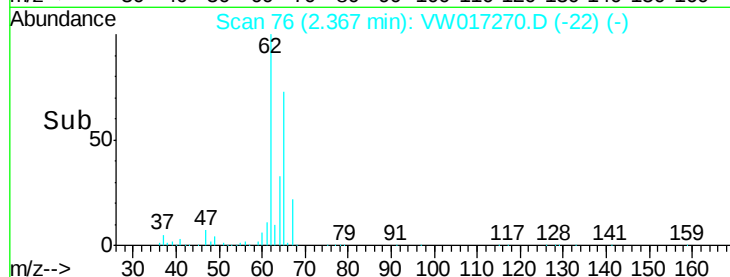
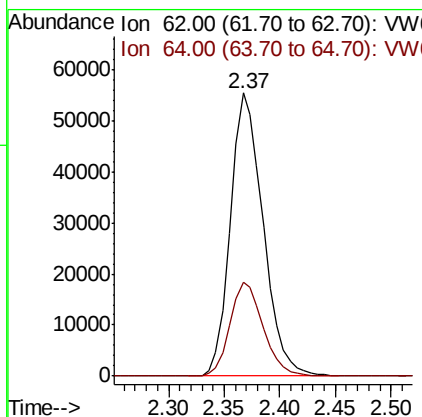
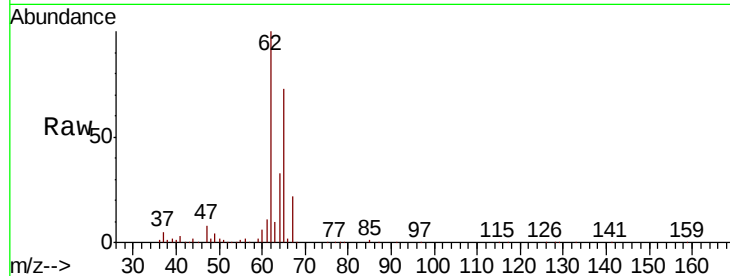
VSTD02537

Tot Ion: 62 Resp: 112615

Ion Ratio Lower Upper

62 100

64 33.3 23.3 43.3



#6

Bromomethane

Concen: 23.676 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW017270.D

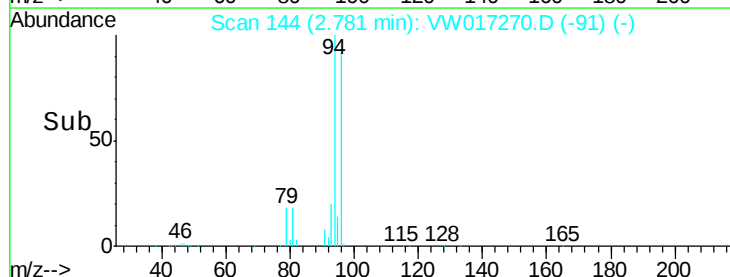
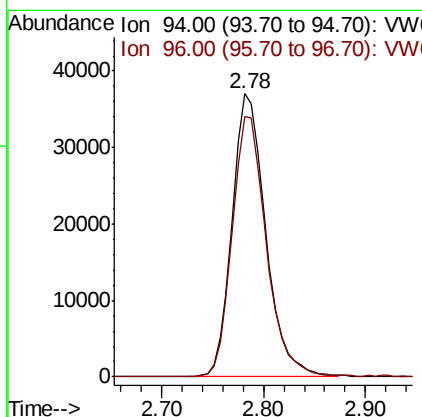
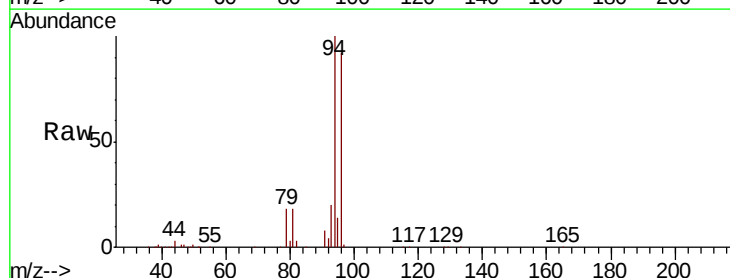
Acq: 16 Nov 2020 20:25

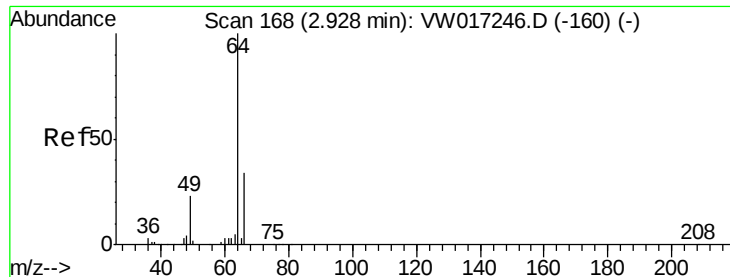
Tgt Ion: 94 Resp: 84343

Ion Ratio Lower Upper

94 100

96 94.1 9.6 181.8





#8

Chloroethane

Concen: 22.892 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW017270.D

Acq: 16 Nov 2020 20:25

Instrument :

MSVOA_W

ClientSampleId :

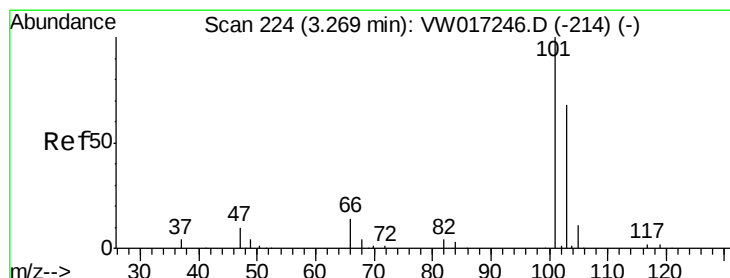
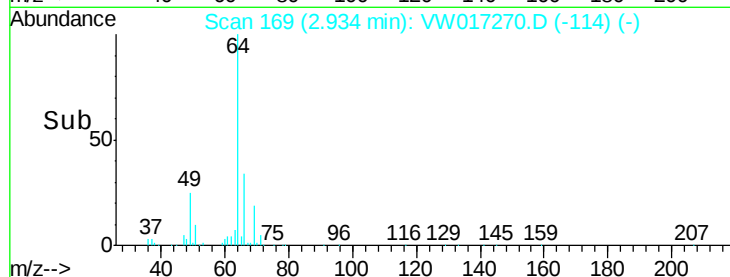
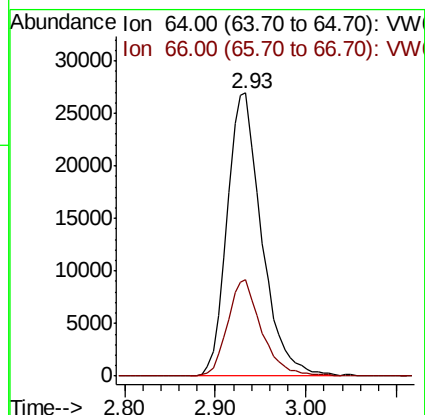
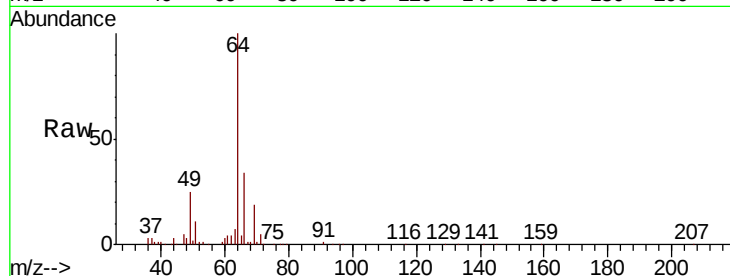
VSTD02537

Tot Ion: 64 Resp: 71149

Ion Ratio Lower Upper

64 100

66 34.2 22.3 41.5



#9

Trichlorofluoromethane

Concen: 25.006 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.01 min

Lab File: VW017270.D

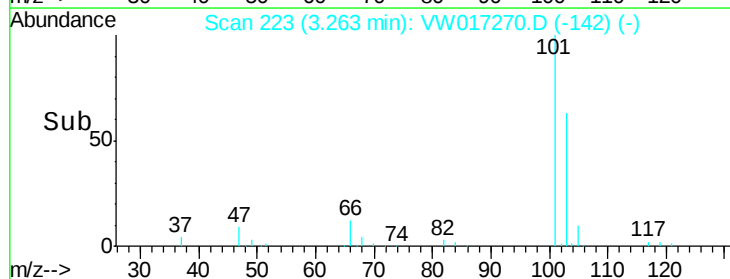
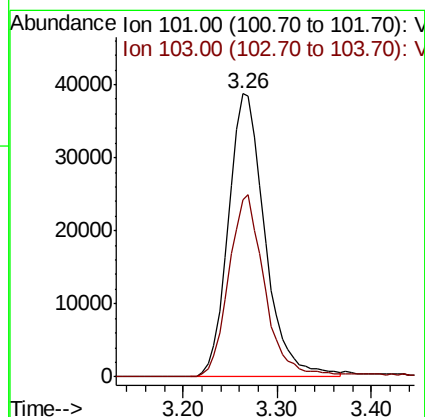
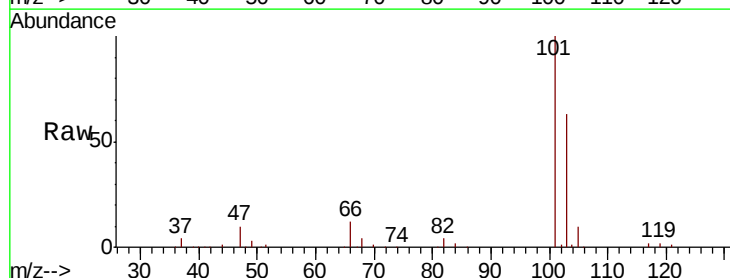
Acq: 16 Nov 2020 20:25

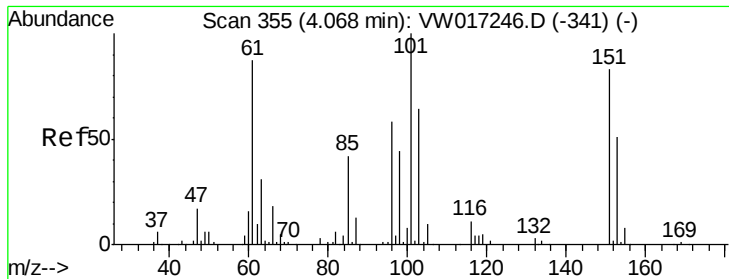
Tgt Ion: 101 Resp: 104761

Ion Ratio Lower Upper

101 100

103 63.3 45.4 84.2





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 23.673 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW017270.D

Acq: 16 Nov 2020 20:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02537

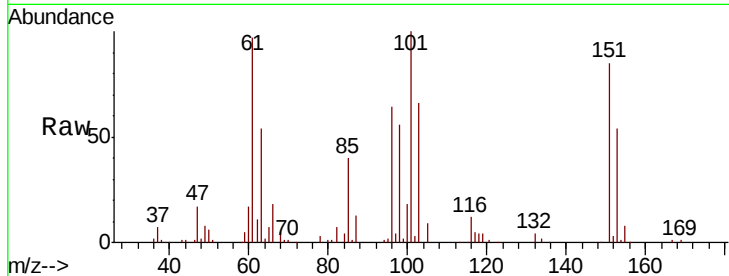
Tot Ion:101 Resp: 117855

Ion Ratio Lower Upper

101 100

85 41.1 32.8 49.2

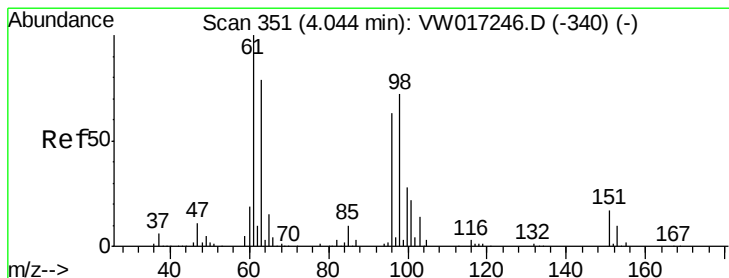
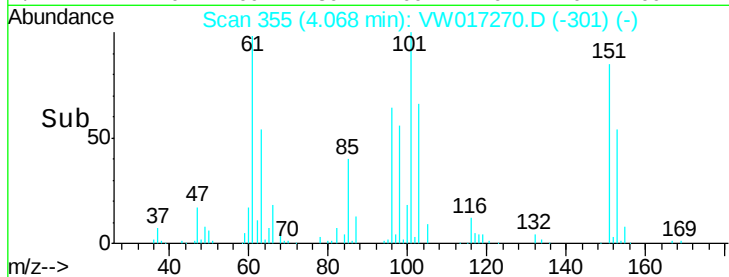
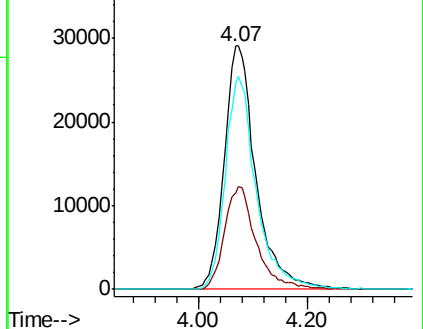
151 85.1 65.4 98.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 22.174 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW017270.D

Acq: 16 Nov 2020 20:25

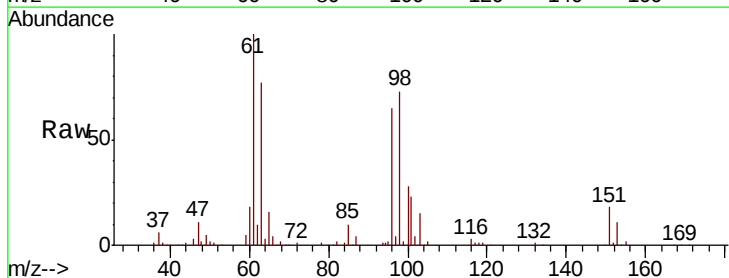
Tgt Ion: 96 Resp: 106150

Ion Ratio Lower Upper

96 100

61 154.1 103.8 192.8

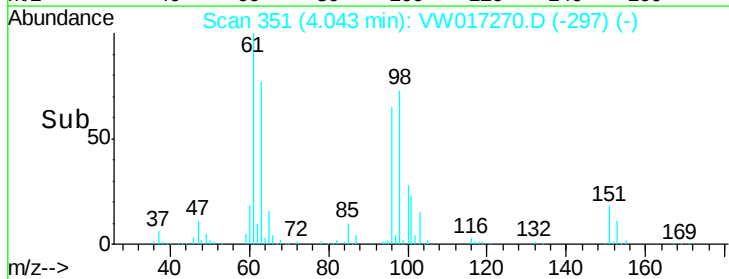
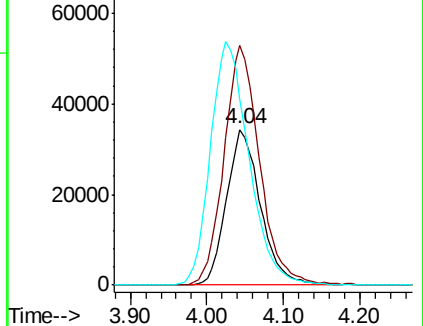
63 119.3 84.4 156.7

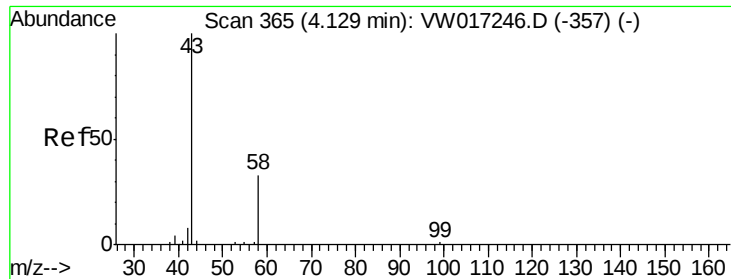


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 41.709 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW017270.D

Acq: 16 Nov 2020 20:25

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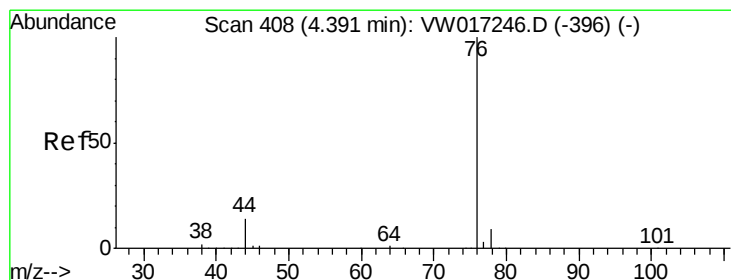
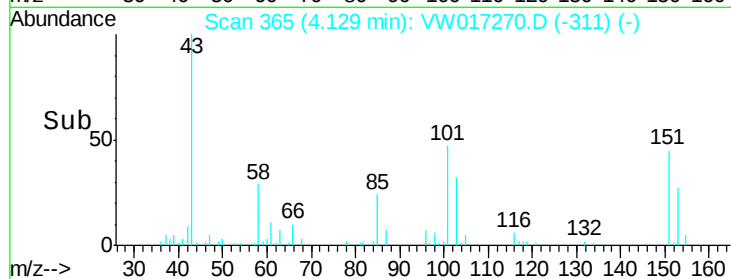
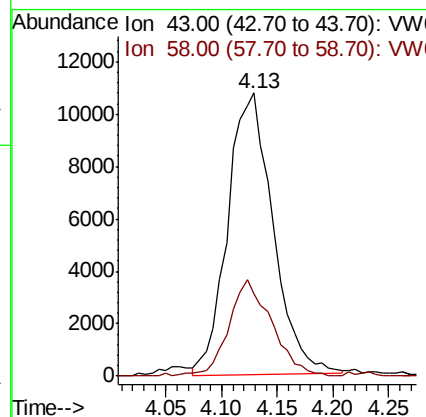
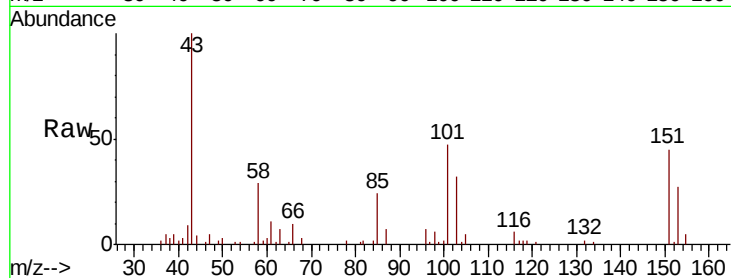
VSTD02537

Tot Ion: 43 Resp: 30340

Ion Ratio Lower Upper

43 100

58 32.5 0.0 69.2



#14

Carbon disulfide

Concen: 18.571 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW017270.D

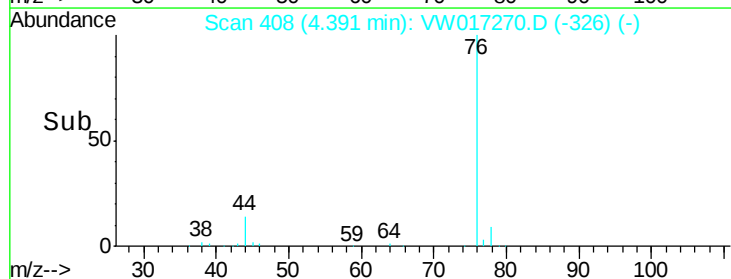
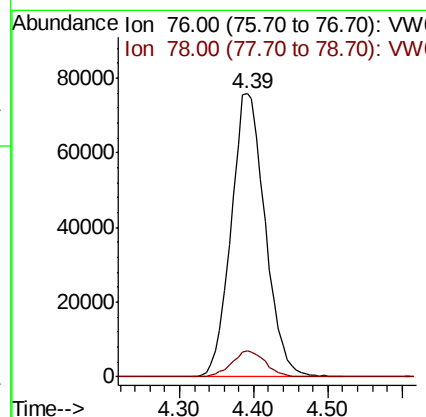
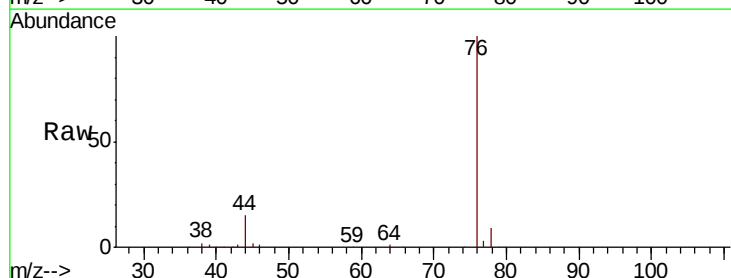
Acq: 16 Nov 2020 20:25

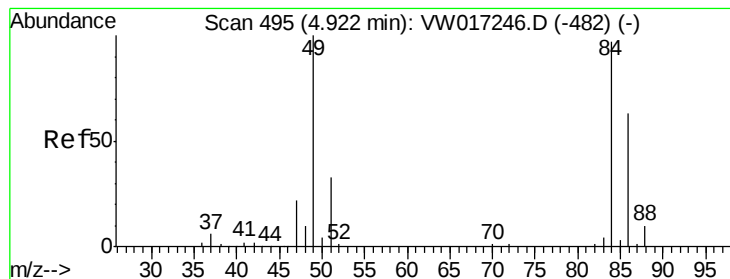
Tgt Ion: 76 Resp: 241938

Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4





#16

Methylene chloride

Concen: 20.773 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW017270.D

Acq: 16 Nov 2020 20:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02537

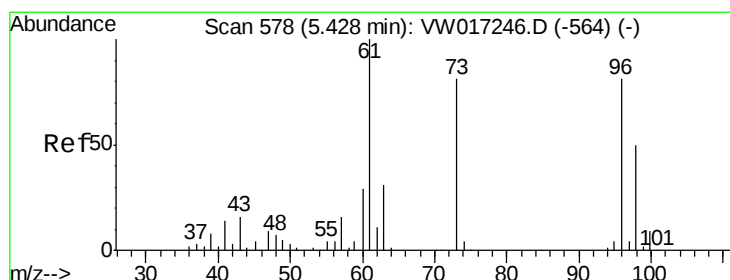
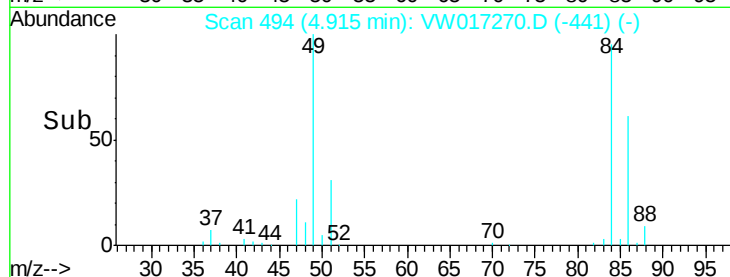
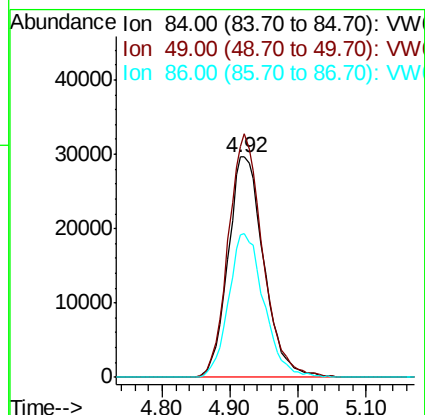
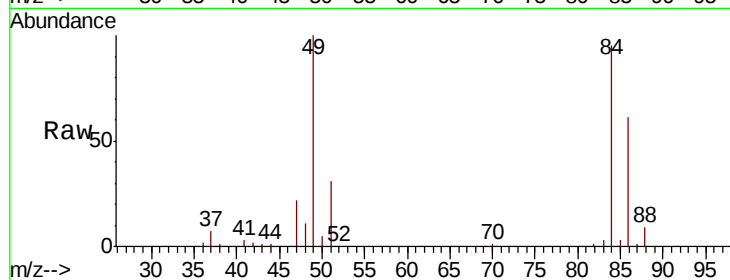
Tot Ion: 84 Resp: 108019

Ion Ratio Lower Upper

84 100

49 104.9 72.3 134.3

86 64.5 45.1 83.7



#17

Methyl tert-butyl Ether

Concen: 25.481 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW017270.D

Acq: 16 Nov 2020 20:25

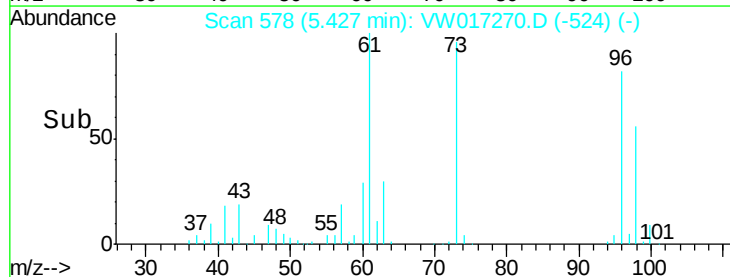
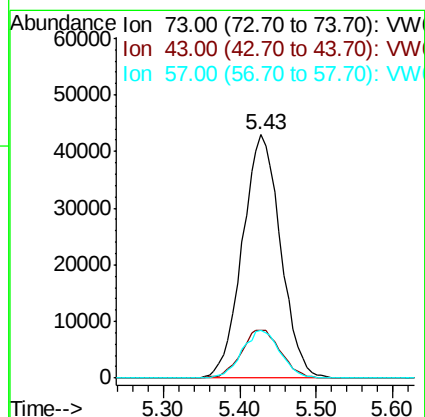
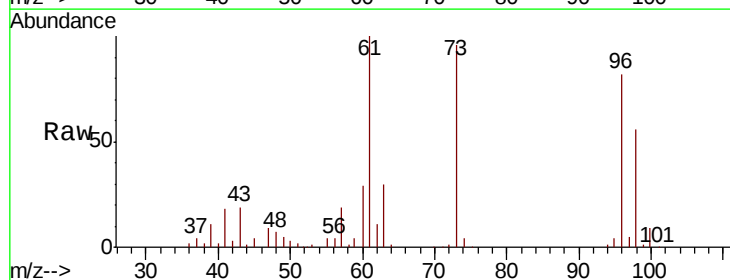
Tgt Ion: 73 Resp: 148946

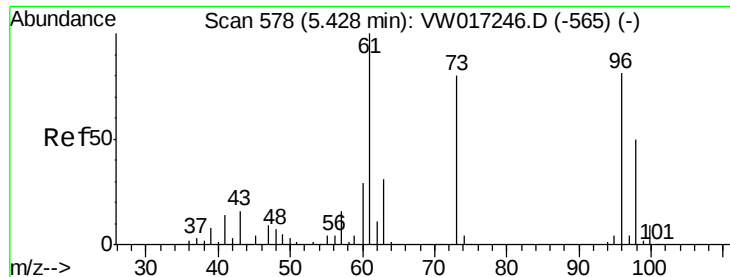
Ion Ratio Lower Upper

73 100

43 20.4 14.5 21.7

57 19.6 16.3 24.5





#18

trans-1,2-Dichloroethene

Concen: 22.421 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW017270.D

Acq: 16 Nov 2020 20:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02537

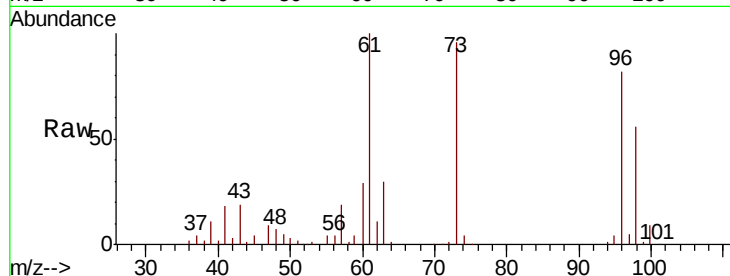
Tot Ion: 96 Resp: 111105

Ion Ratio Lower Upper

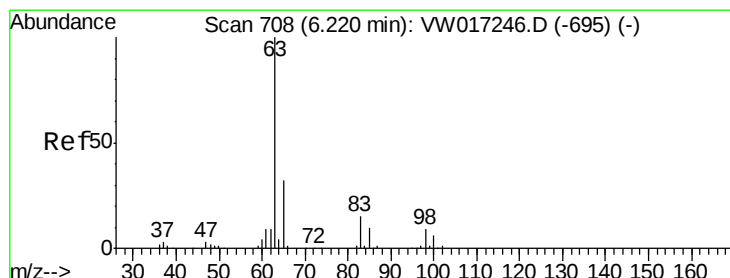
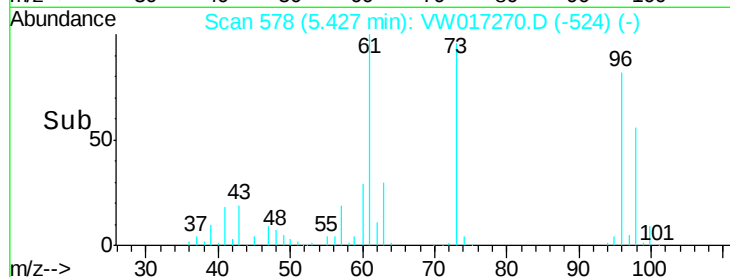
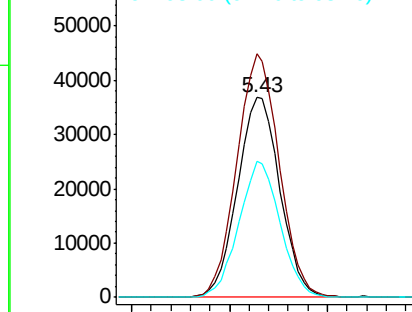
96 100

61 122.0 86.8 161.2

98 68.4 44.4 82.4



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



#19

1,1-Dichloroethane

Concen: 23.163 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW017270.D

Acq: 16 Nov 2020 20:25

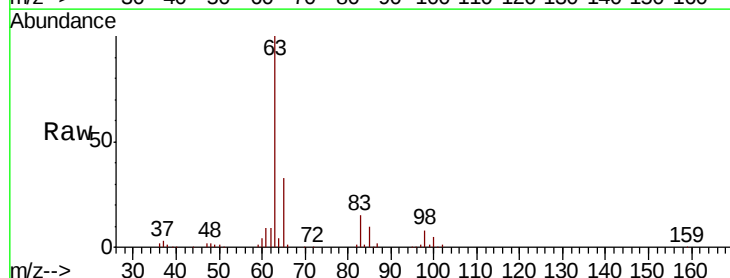
Tgt Ion: 63 Resp: 181849

Ion Ratio Lower Upper

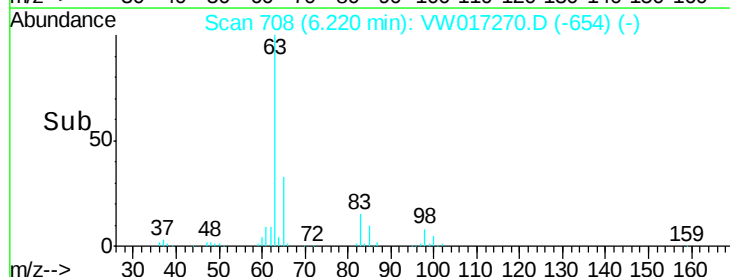
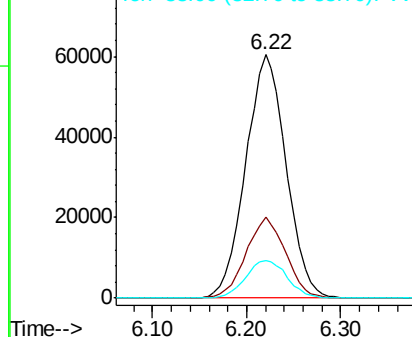
63 100

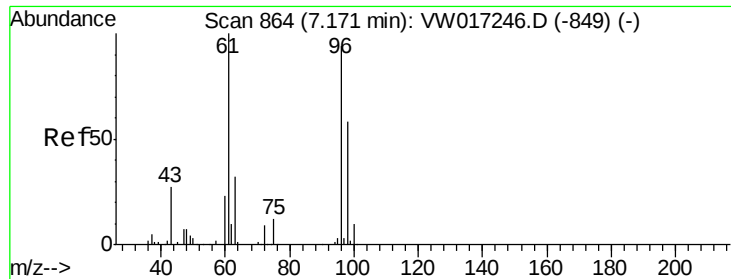
65 33.4 22.1 41.1

83 15.2 10.0 18.6



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW





#21

2-Butanone

Concen: 41.677 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW017270.D

Acq: 16 Nov 2020 20:25

Instrument :

MSVOA_W

ClientSampleId :

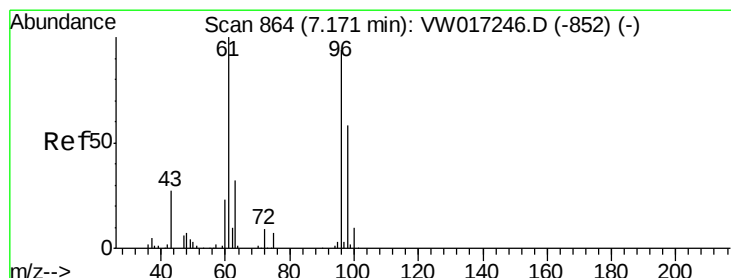
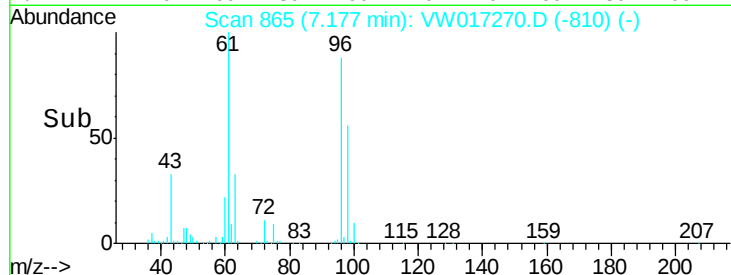
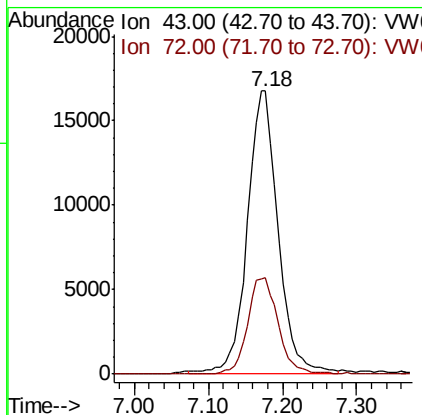
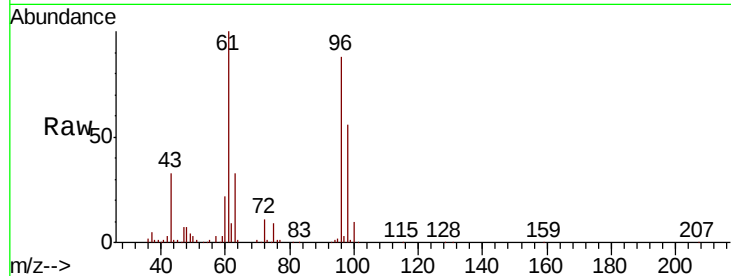
VSTD02537

Tot Ion: 43 Resp: 48679

Ion Ratio Lower Upper

43 100

72 33.5 16.1 48.3



#22

cis-1,2-Dichloroethene

Concen: 23.503 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW017270.D

Acq: 16 Nov 2020 20:25

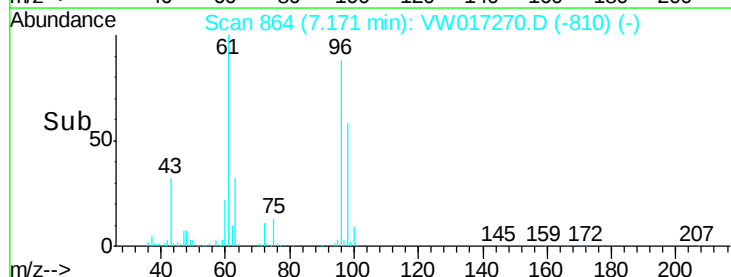
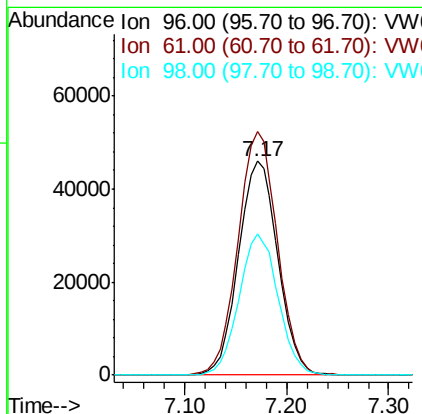
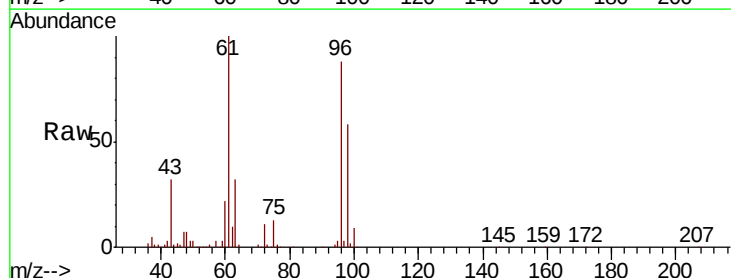
Tgt Ion: 96 Resp: 123138

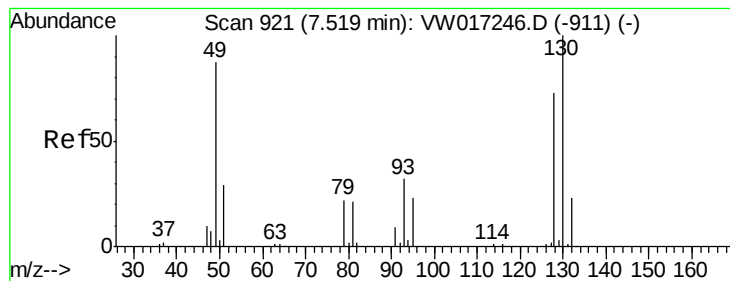
Ion Ratio Lower Upper

96 100

61 113.9 77.4 143.8

98 66.1 45.1 83.7





#23

Bromochloromethane

Concen: 23.590 ug/L

RT: 7.52 min Scan# 921

Delta R.T. -0.00 min

Lab File: VW017270.D

Acq: 16 Nov 2020 20:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02537

Tot Ion:128 Resp: 59506

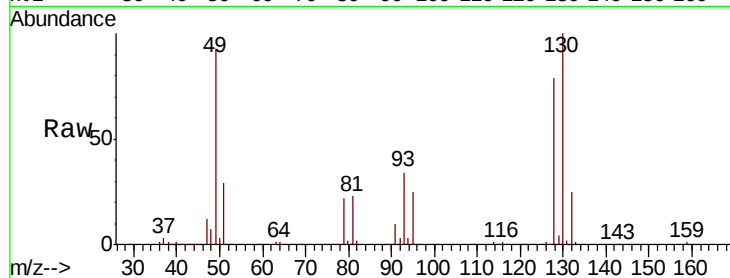
Ion Ratio Lower Upper

128 100

49 117.4 88.3 163.9

130 127.0 95.6 177.6

51 36.6 32.2 48.4

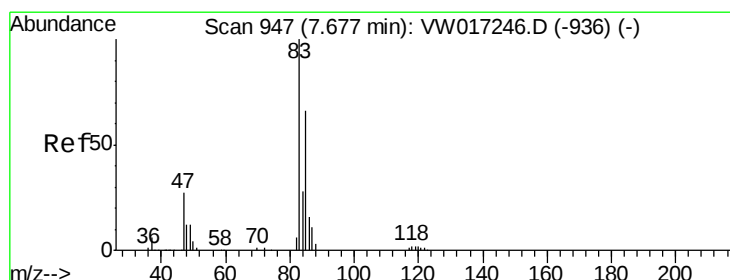
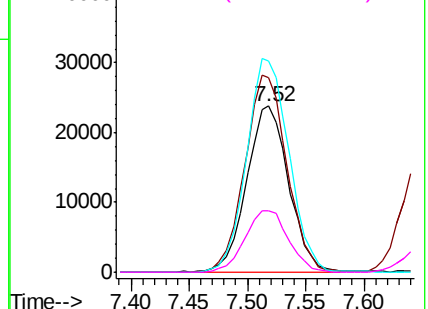
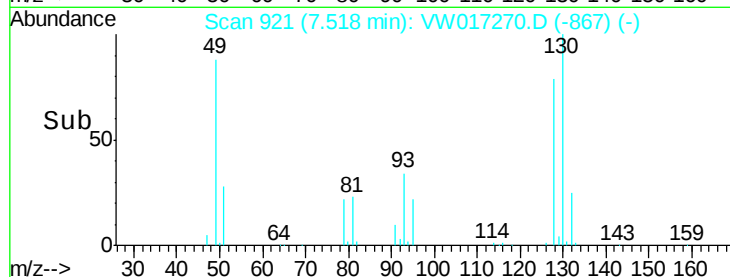


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW



#25

Chloroform

Concen: 25.047 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW017270.D

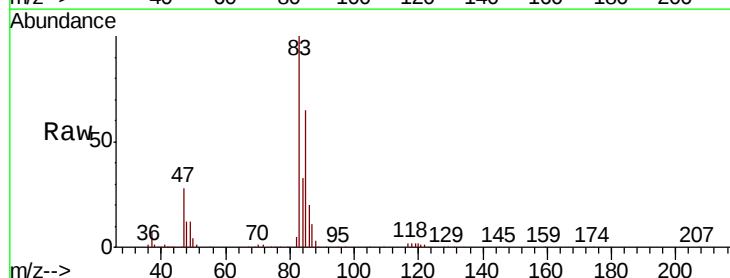
Acq: 16 Nov 2020 20:25

Tgt Ion: 83 Resp: 214084

Ion Ratio Lower Upper

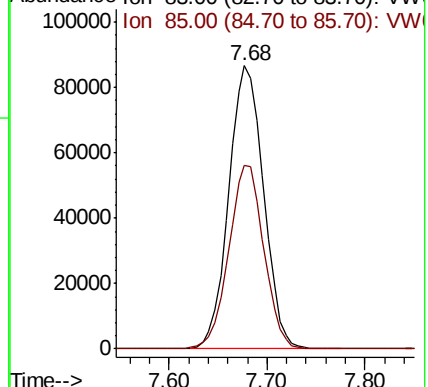
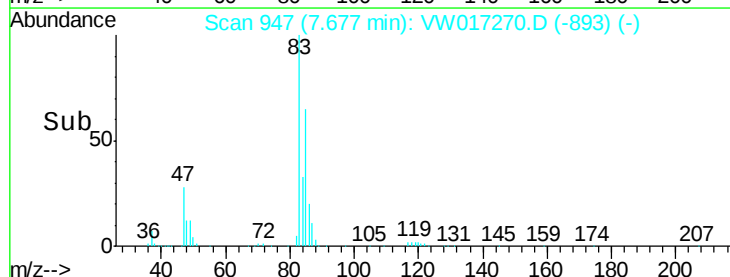
83 100

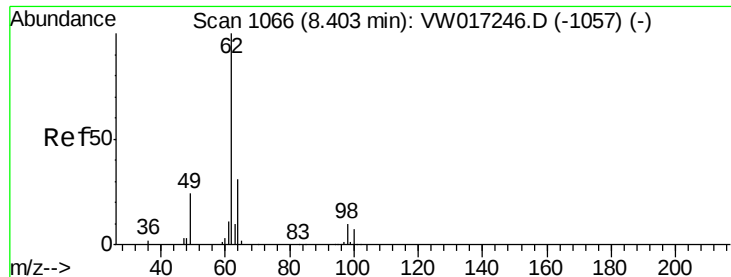
85 65.2 46.4 86.2



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

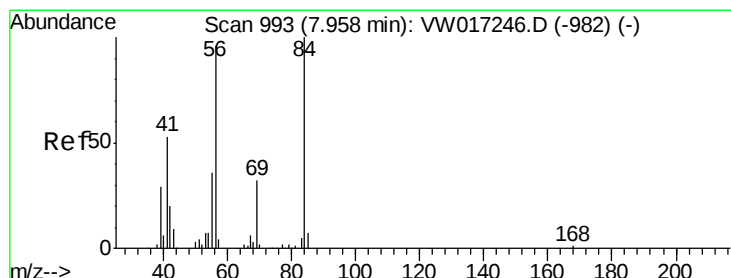
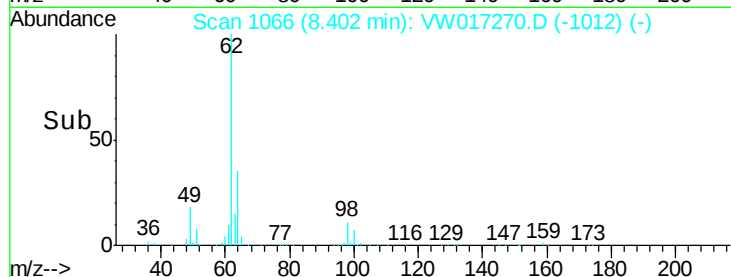
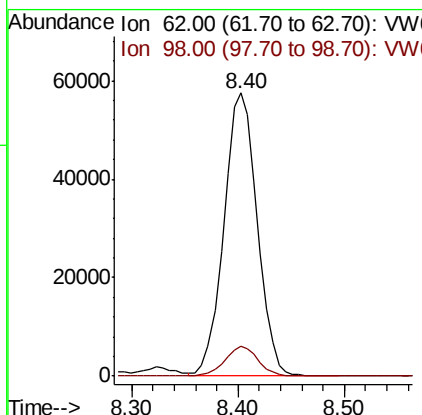
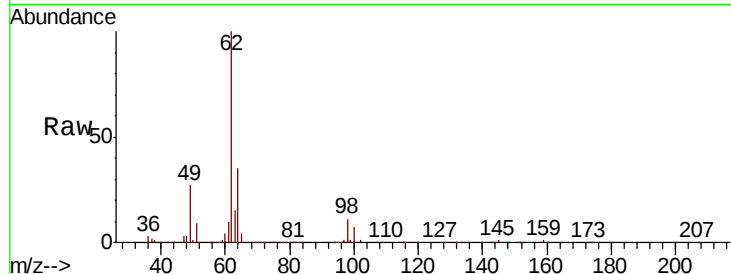




#27
 1,2-Dichloroethane
 Concen: 24.519 ug/L
 RT: 8.40 min Scan# 1066
 Delta R.T. -0.00 min
 Lab File: VW017270.D
 Acq: 16 Nov 2020 20:25

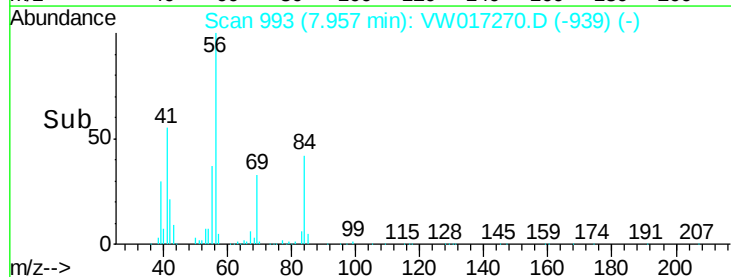
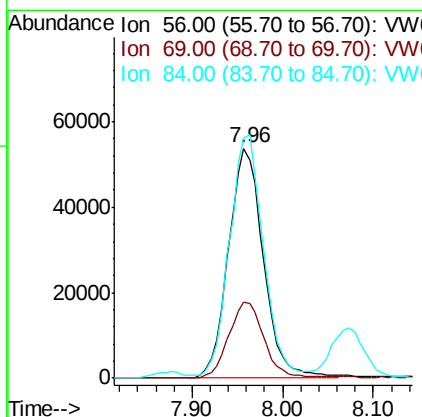
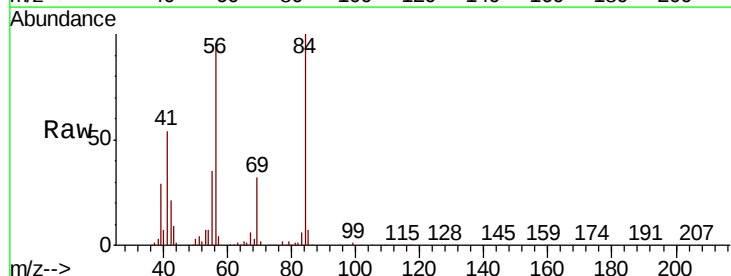
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02537

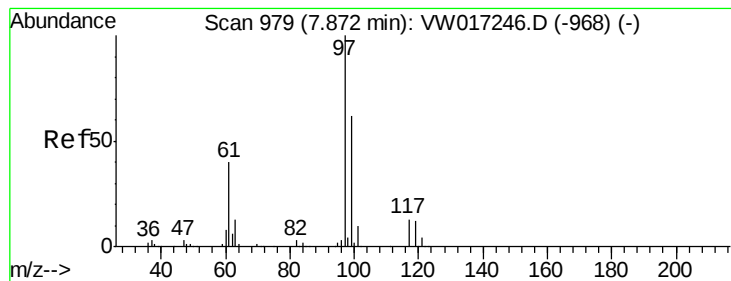
Tot Ion: 62 Resp: 125588
 Ion Ratio Lower Upper
 62 100
 98 10.7 9.4 14.0



#30
 Cyclohexane
 Concen: 22.034 ug/L
 RT: 7.96 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: VW017270.D
 Acq: 16 Nov 2020 20:25

Tgt Ion: 56 Resp: 144371
 Ion Ratio Lower Upper
 56 100
 69 32.5 26.1 39.1
 84 103.1 79.1 118.7





#31

1,1,1-Trichloroethane

Concen: 26.842 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.01 min

Lab File: VW017270.D

Acq: 16 Nov 2020 20:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02537

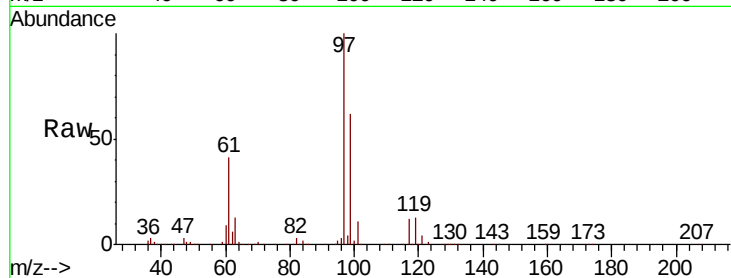
Tot Ion: 97 Resp: 191288

Ion Ratio Lower Upper

97 100

99 64.4 51.4 77.0

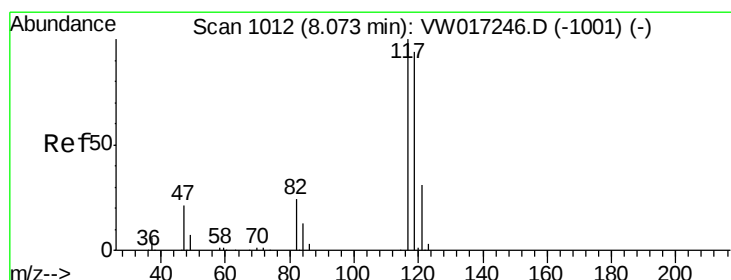
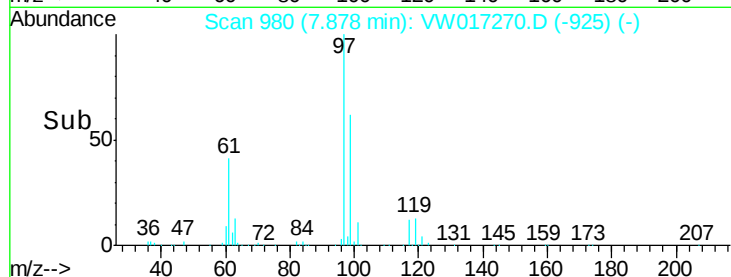
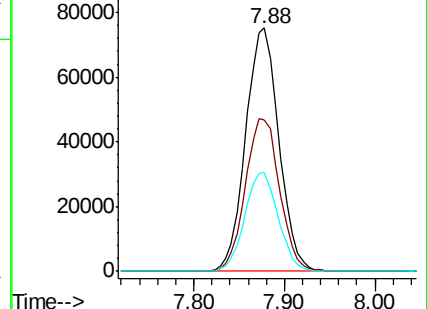
61 40.6 31.6 47.4



Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.00 (60.70 to 61.70): VW



#32

Carbon tetrachloride

Concen: 26.048 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW017270.D

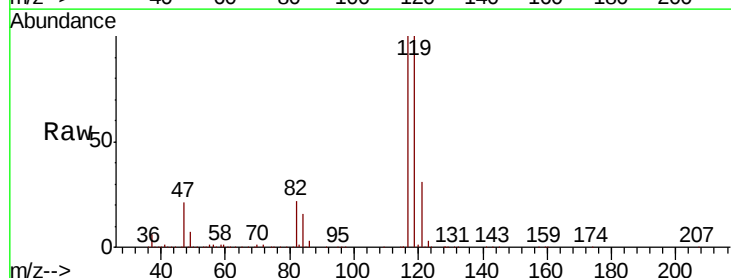
Acq: 16 Nov 2020 20:25

Tgt Ion: 117 Resp: 179122

Ion Ratio Lower Upper

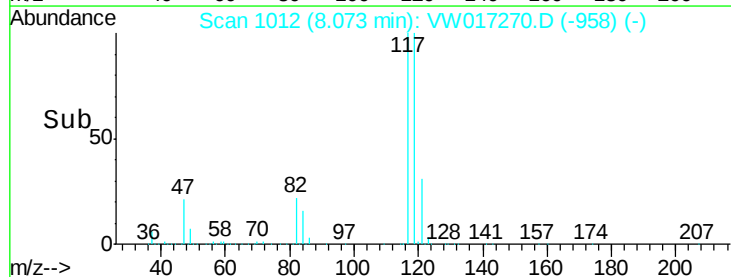
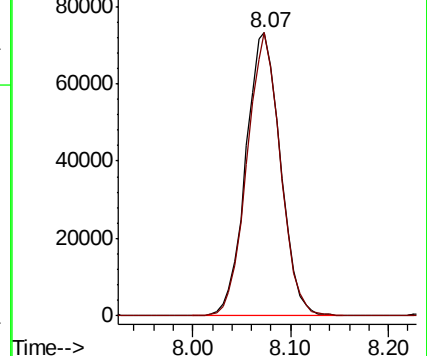
117 100

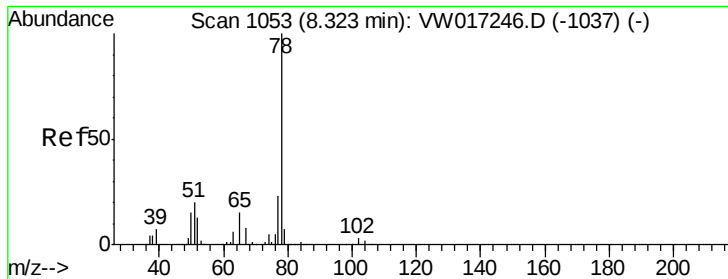
119 97.0 77.7 116.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 22.963 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW017270.D

Acq: 16 Nov 2020 20:25

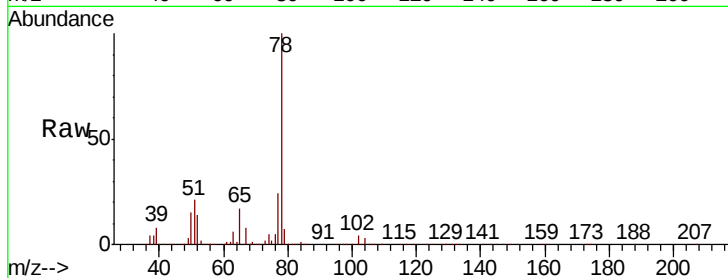
Instrument :

MSVOA_W

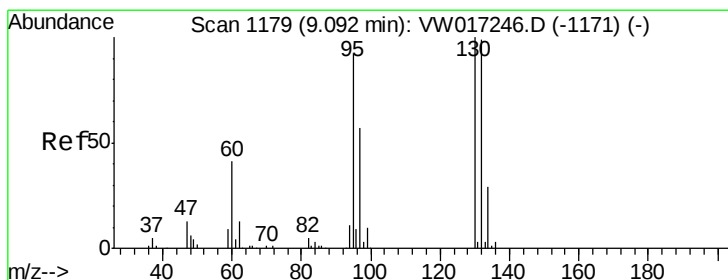
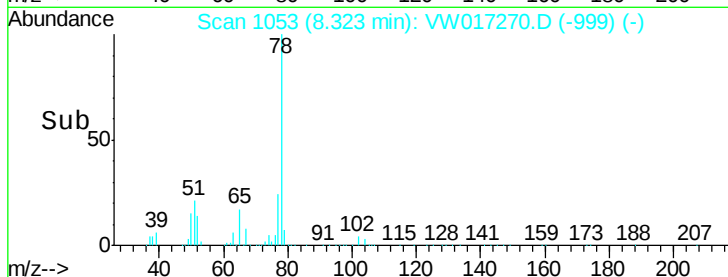
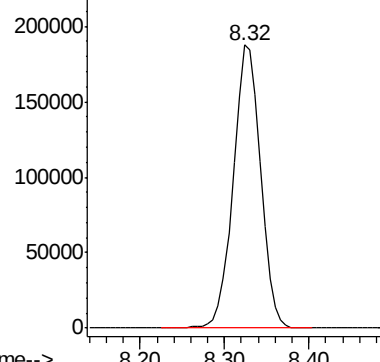
ClientSampleId :

VSTD02537

Tgt Ion: 78 Resp: 419600



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 23.922 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW017270.D

Acq: 16 Nov 2020 20:25

Tgt Ion: 95 Resp: 122448

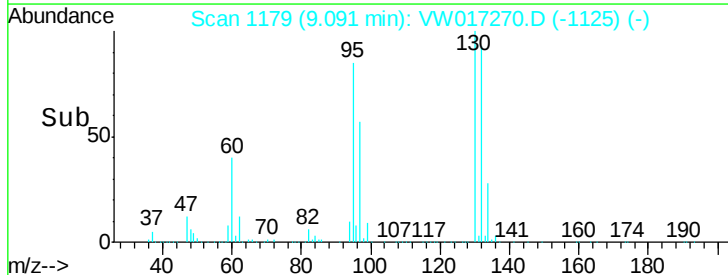
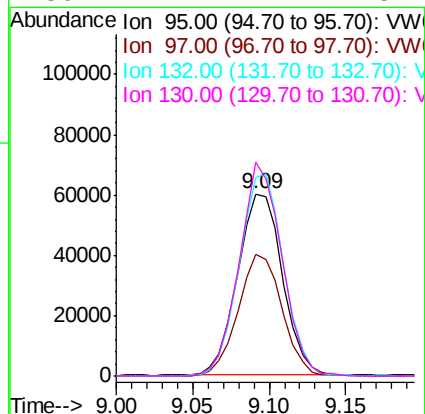
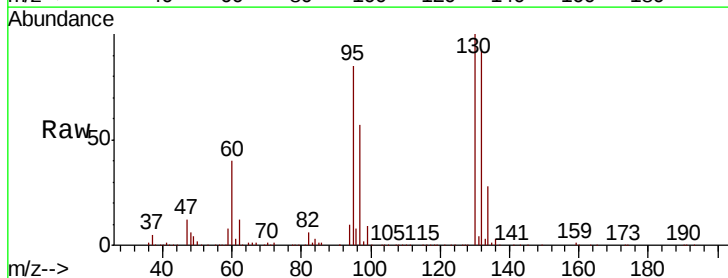
Ion	Ratio	Lower	Upper
95	100		
97	65.6	45.0	83.6
132	110.1	73.7	136.9
130	111.2	77.1	143.1

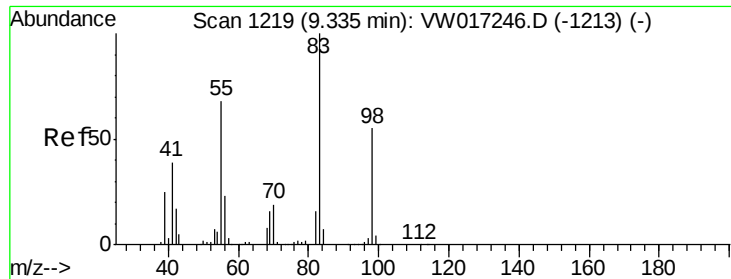
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW

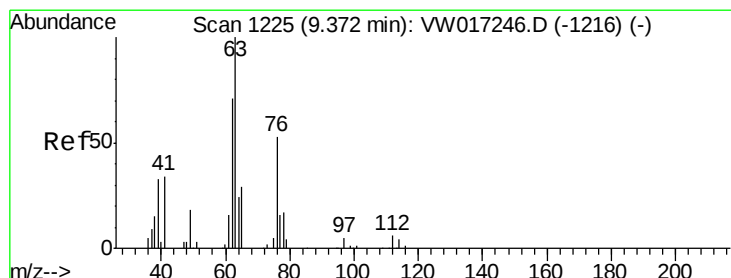
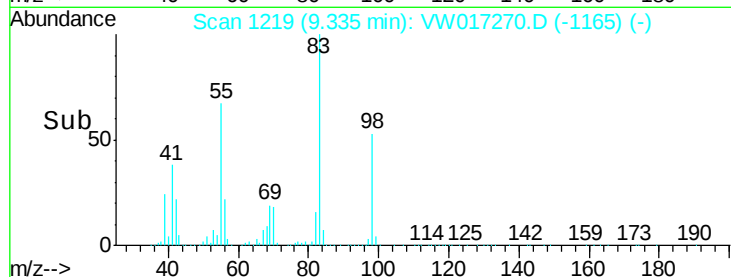
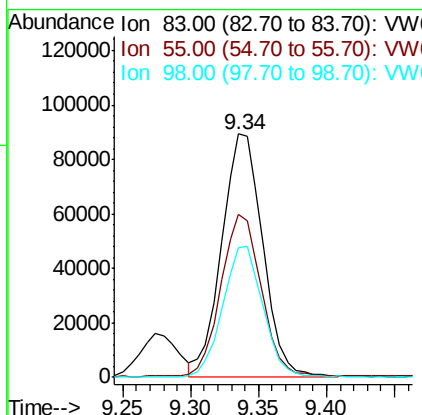
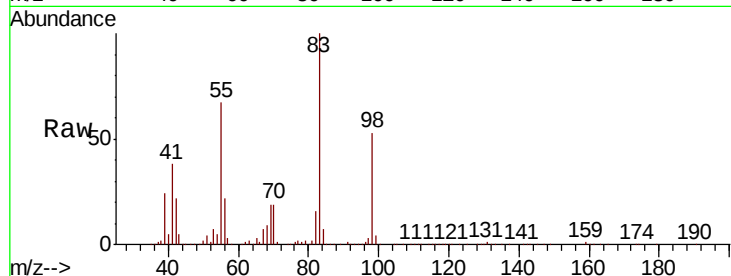




#36
Methvlcvclohexane
Concen: 22.750 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW017270.D
Acq: 16 Nov 2020 20:25

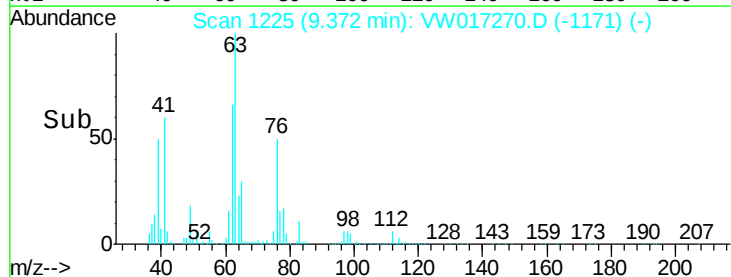
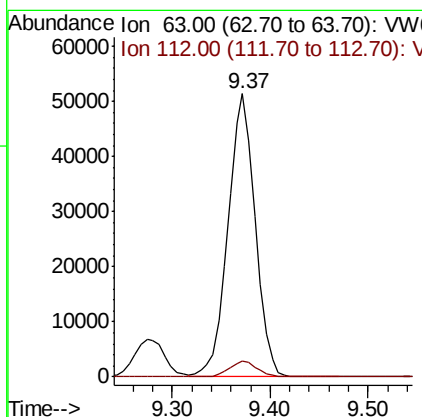
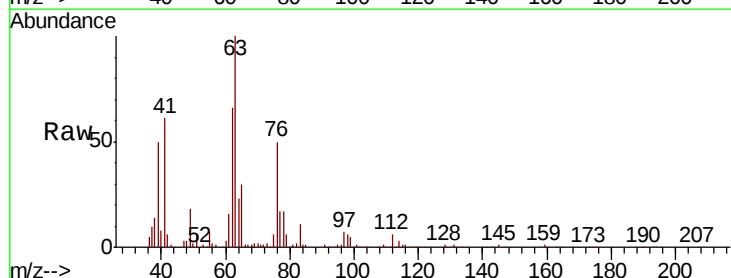
Instrument :
MSVOA_W
ClientSampleId :
VSTD02537

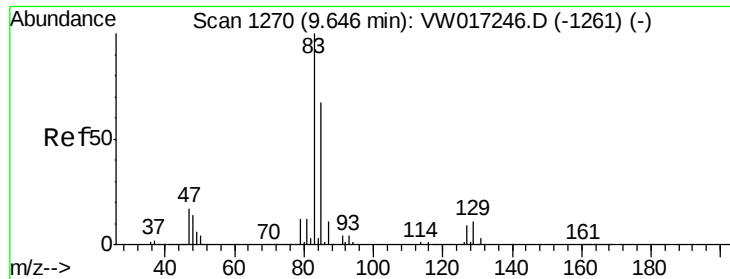
Tot Ion: 83 Resp: 187384
Ion Ratio Lower Upper
83 100
55 65.5 54.4 81.6
98 52.6 40.5 60.7



#40
1,2-Dichloropropane
Concen: 23.176 ug/L
RT: 9.37 min Scan# 1225
Delta R.T. -0.00 min
Lab File: VW017270.D
Acq: 16 Nov 2020 20:25

Tgt Ion: 63 Resp: 98999
Ion Ratio Lower Upper
63 100
112 5.7 4.2 6.2





#41

Bromodichloromethane

Concen: 25.383 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW017270.D

Acq: 16 Nov 2020 20:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02537

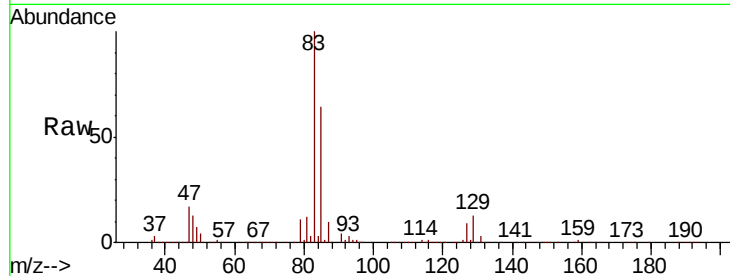
Tot Ion: 83 Resp: 149955

Ion Ratio Lower Upper

83 100

85 63.8 44.4 82.4

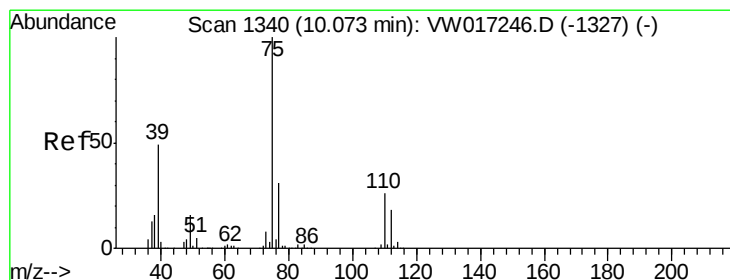
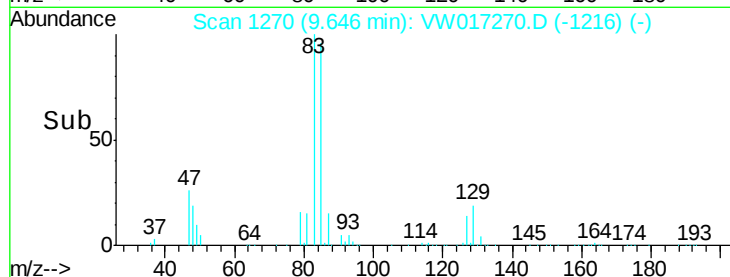
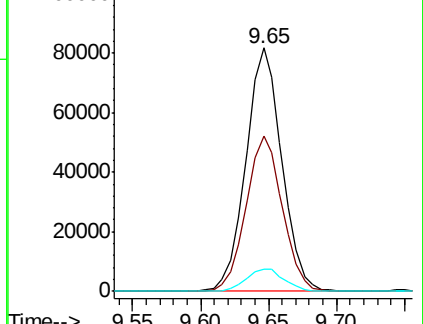
127 9.2 7.3 10.9



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): VW



#42

cis-1,3-Dichloropropene

Concen: 24.260 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW017270.D

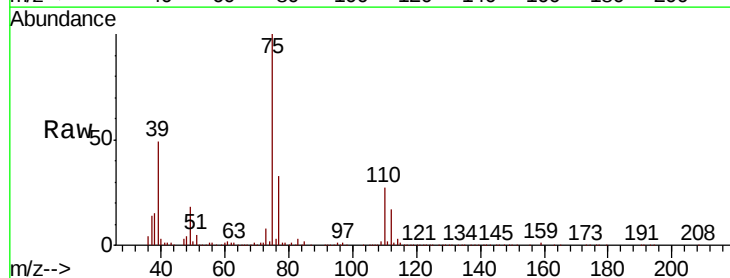
Acq: 16 Nov 2020 20:25

Tgt Ion: 75 Resp: 164135

Ion Ratio Lower Upper

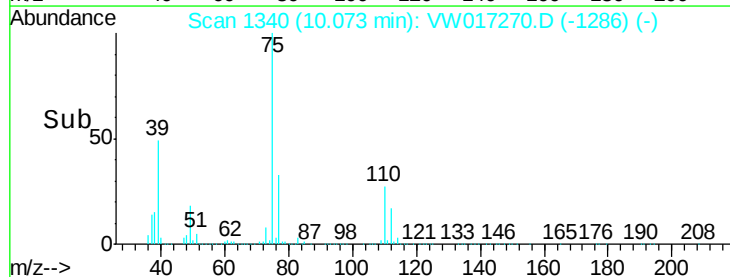
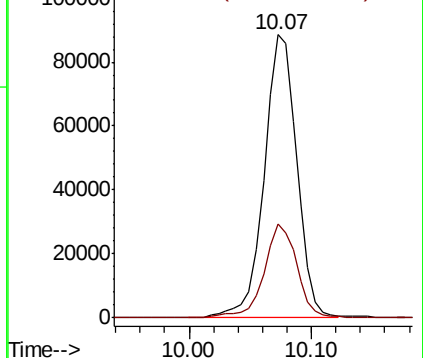
75 100

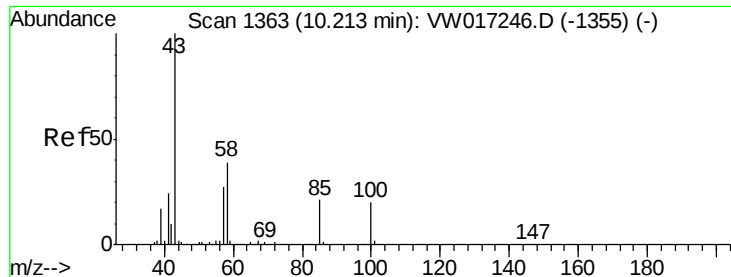
77 33.3 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

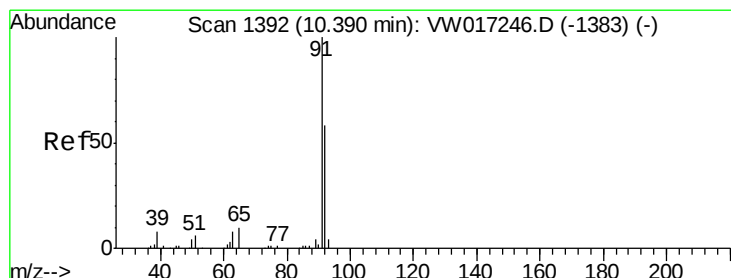
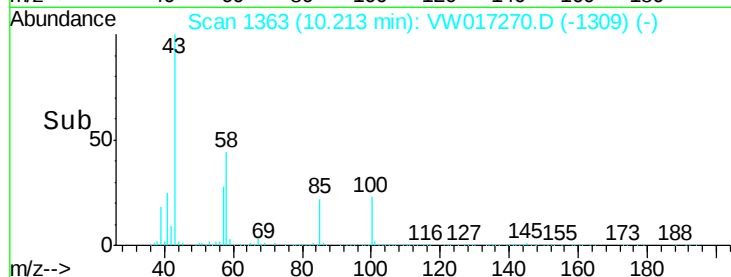
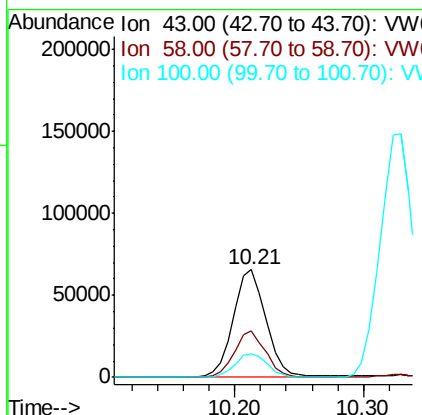
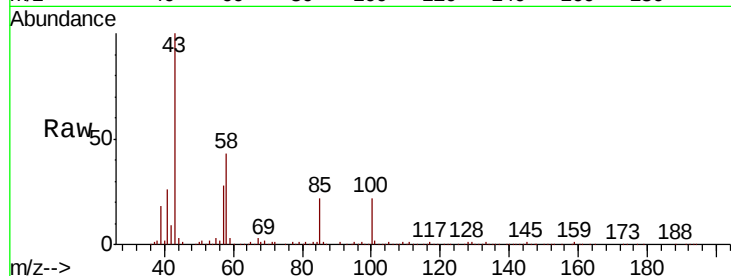




#43
4-Methyl-2-pentanone
Concen: 43.466 ug/L
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW017270.D
Acq: 16 Nov 2020 20:25

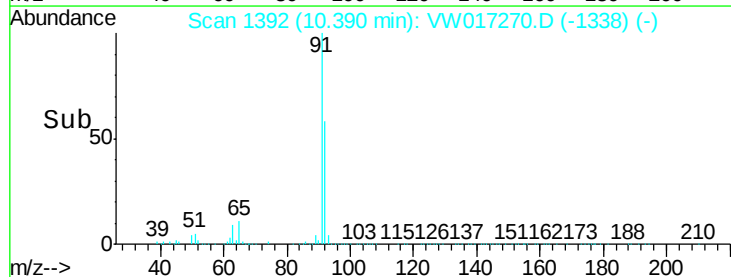
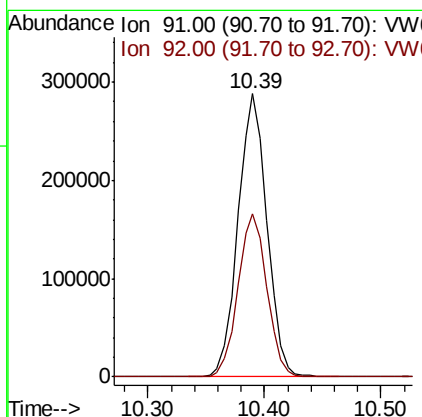
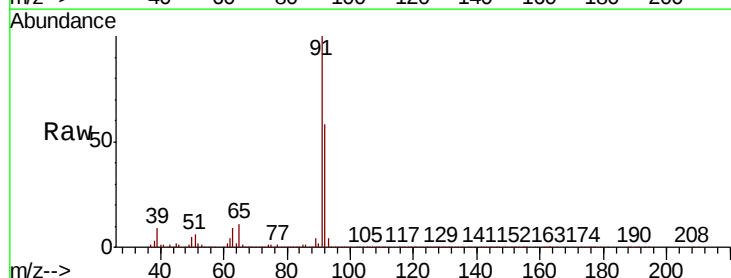
Instrument :
MSVOA_W
ClientSampleId :
VSTD02537

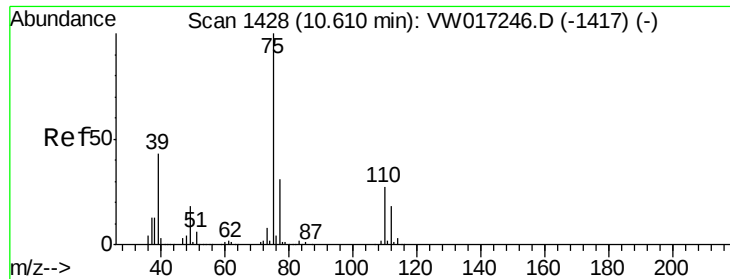
Tot Ion: 43 Resp: 114550
Ion Ratio Lower Upper
43 100
58 41.7 35.0 52.6
100 21.9 16.6 24.8



#44
Toluene
Concen: 24.687 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW017270.D
Acq: 16 Nov 2020 20:25

Tgt Ion: 91 Resp: 496554
Ion Ratio Lower Upper
91 100
92 57.8 41.4 76.8





#45

trans-1,3-Dichloropropene

Concen: 25.031 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW017270.D

Acq: 16 Nov 2020 20:25

Instrument :

MSVOA_W

ClientSampleId :

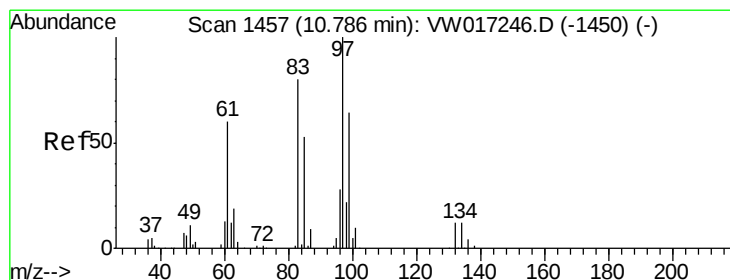
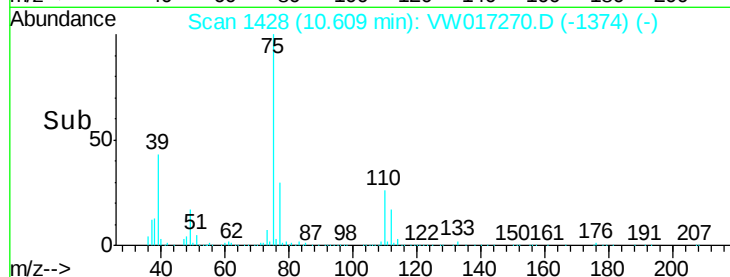
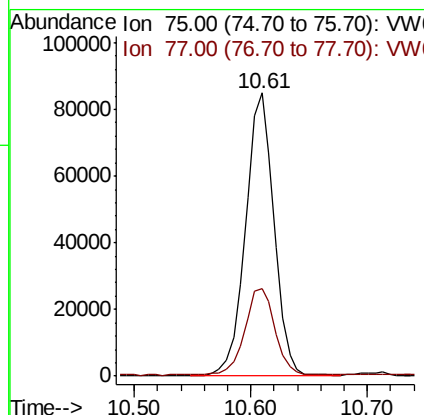
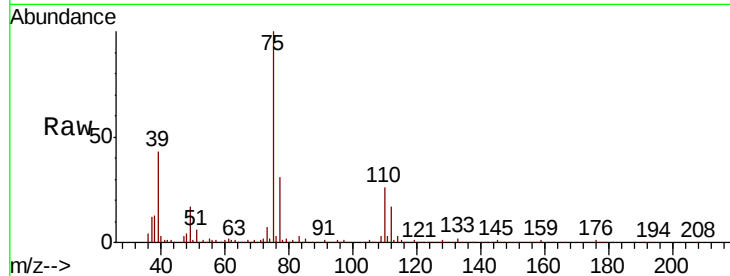
VSTD02537

Tot Ion: 75 Resp: 145440

Ion Ratio Lower Upper

75 100

77 30.9 22.1 41.1



#46

1,1,2-Trichloroethane

Concen: 22.947 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW017270.D

Acq: 16 Nov 2020 20:25

Tgt Ion: 97 Resp: 84510

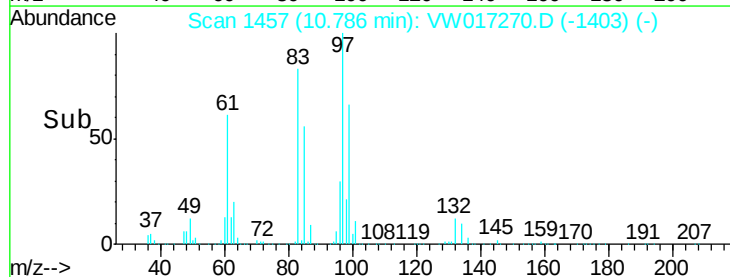
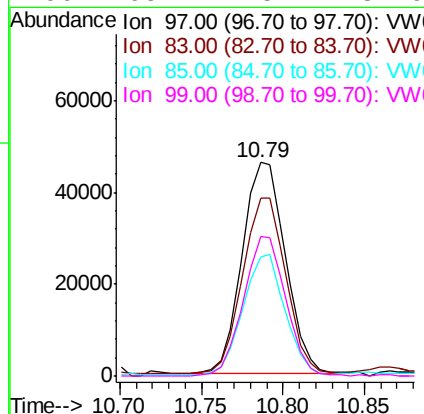
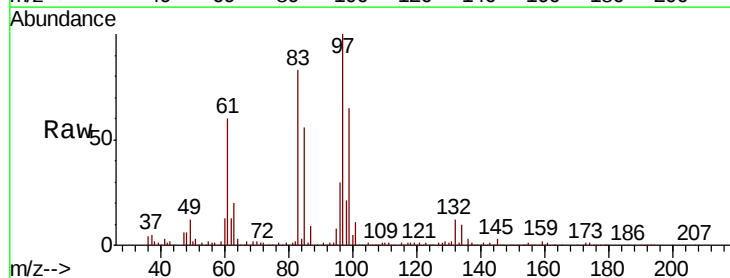
Ion Ratio Lower Upper

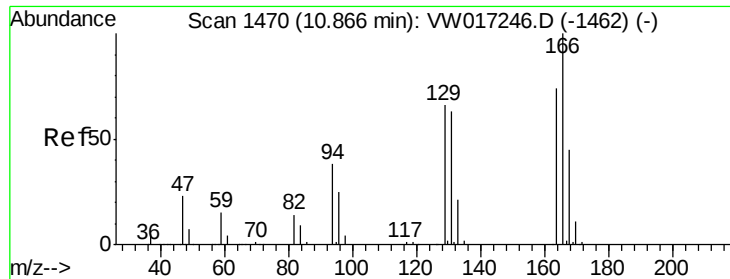
97 100

83 83.3 57.3 106.5

85 55.8 37.2 69.0

99 65.2 45.7 84.9





#47

Tetrachloroethene

Concen: 24.394 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW017270.D

Acq: 16 Nov 2020 20:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02537

Tot Ion:164 Resp: 112660

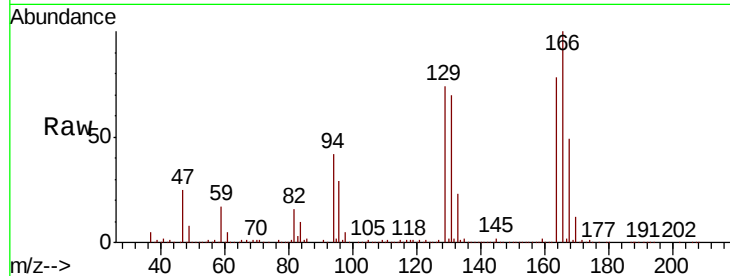
Ion Ratio Lower Upper

164 100

129 93.9 62.9 116.7

131 89.5 63.3 117.5

166 127.5 92.0 170.8



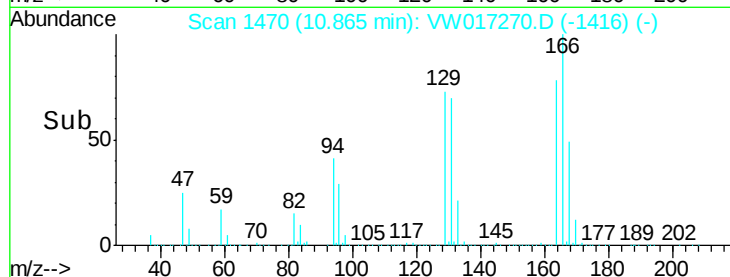
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

Time-->



Abundance

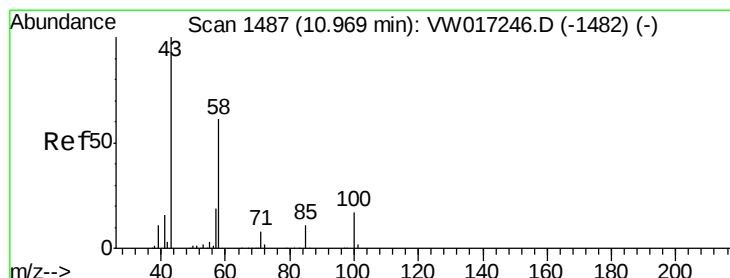
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

Time-->



#49

2-Hexanone

Concen: 47.147 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW017270.D

Acq: 16 Nov 2020 20:25

Tgt Ion: 43 Resp: 74907

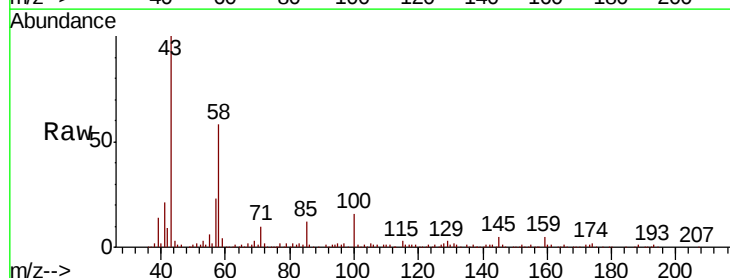
Ion Ratio Lower Upper

43 100

58 57.5 50.6 75.8

57 20.6 17.8 26.6

100 16.5 13.9 20.9



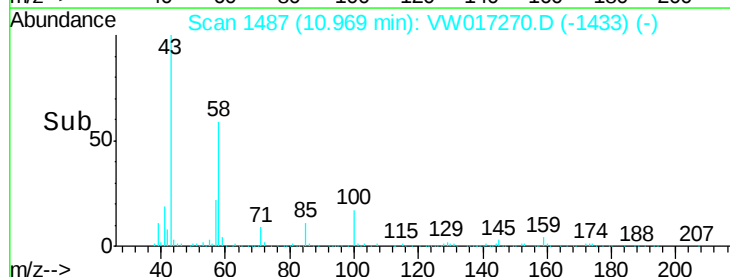
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 58.00 (57.70 to 58.70): VV

Ion 57.00 (56.70 to 57.70): VV

Ion 100.00 (99.70 to 100.70): VV

Time-->



Abundance

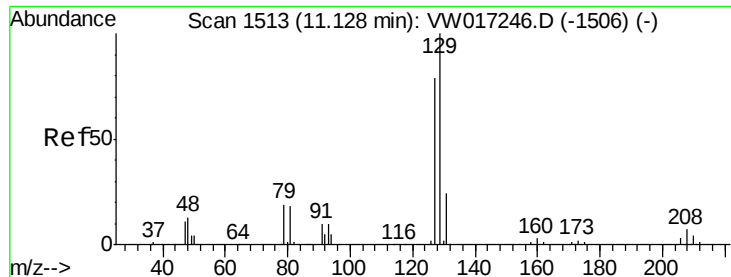
Ion 43.00 (42.70 to 43.70): VV

Ion 58.00 (57.70 to 58.70): VV

Ion 57.00 (56.70 to 57.70): VV

Ion 100.00 (99.70 to 100.70): VV

Time-->



#50

Dibromochloromethane

Concen: 26.759 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW017270.D

Acq: 16 Nov 2020 20:25

Instrument :

MSVOA_W

ClientSampleId :

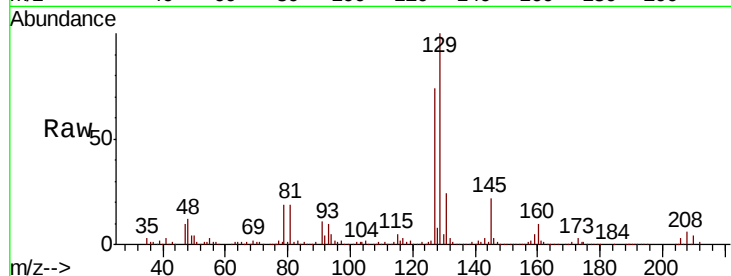
VSTD02537

Tot Ion:129 Resp: 120066

Ion Ratio Lower Upper

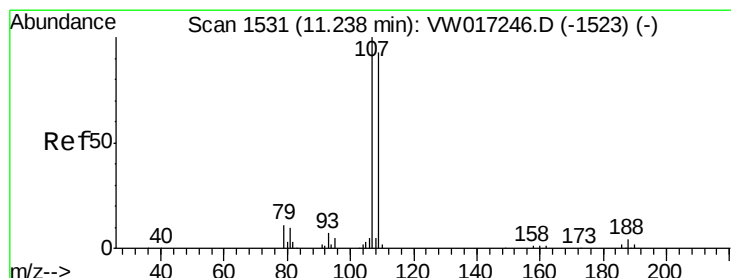
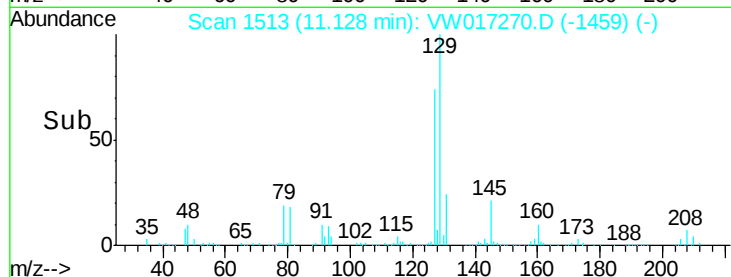
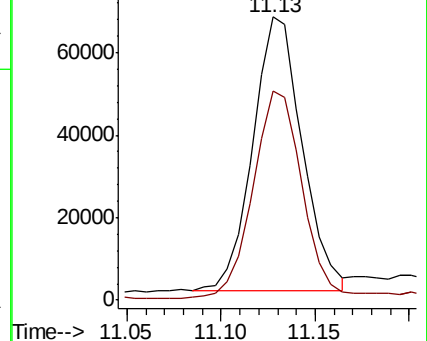
129 100

127 73.8 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#51

1,2-Dibromoethane

Concen: 24.149 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW017270.D

Acq: 16 Nov 2020 20:25

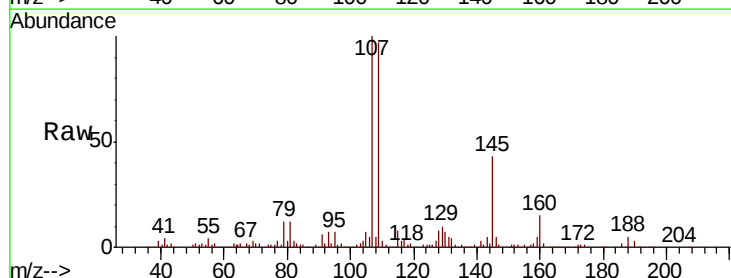
Tgt Ion:107 Resp: 86401

Ion Ratio Lower Upper

107 100

109 96.9 64.3 119.5

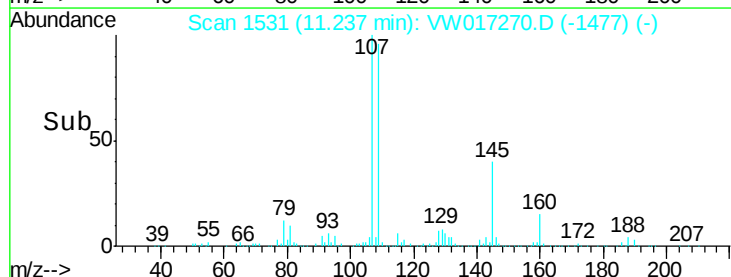
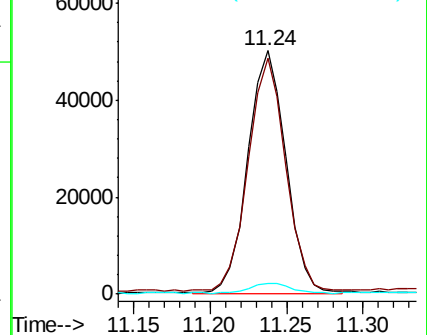
188 4.6 3.3 4.9

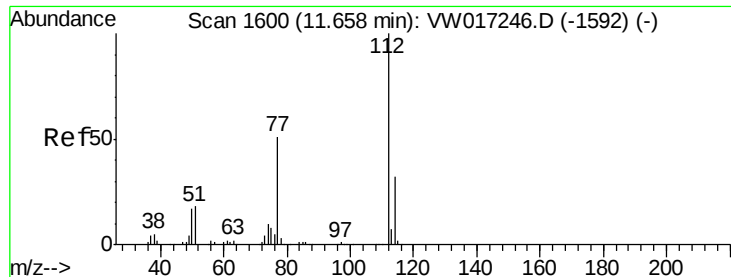


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#52

Chlorobenzene

Concen: 25.139 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW017270.D

Acq: 16 Nov 2020 20:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02537

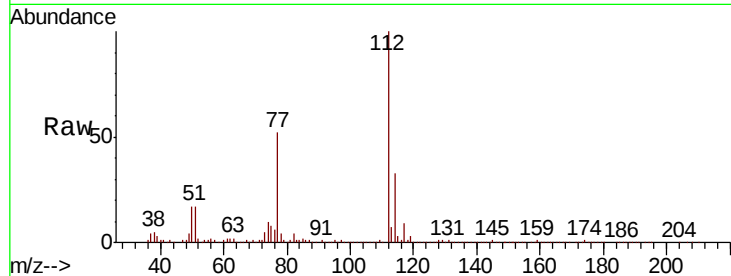
Tot Ion:112 Resp: 341984

Ion Ratio Lower Upper

112 100

77 52.2 41.7 62.5

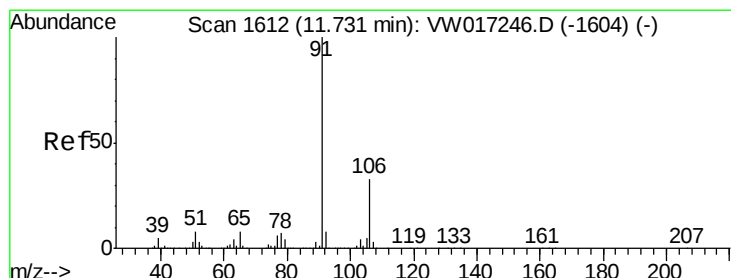
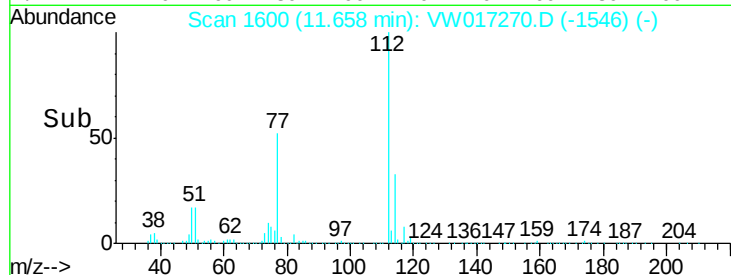
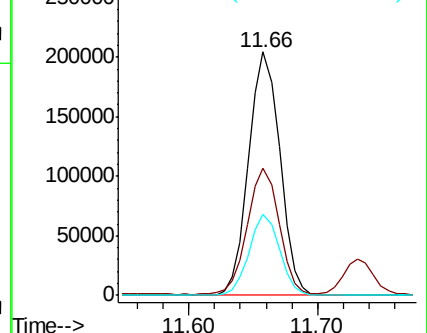
114 33.0 22.3 41.3



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 25.573 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW017270.D

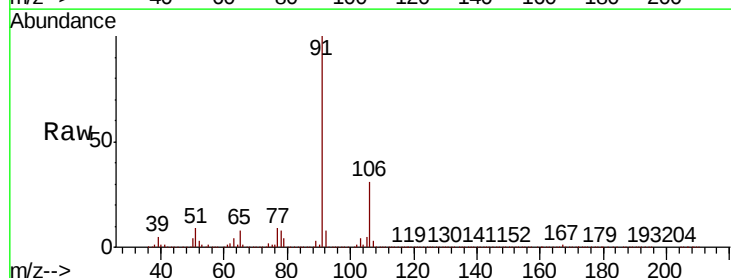
Acq: 16 Nov 2020 20:25

Tgt Ion: 91 Resp: 574540

Ion Ratio Lower Upper

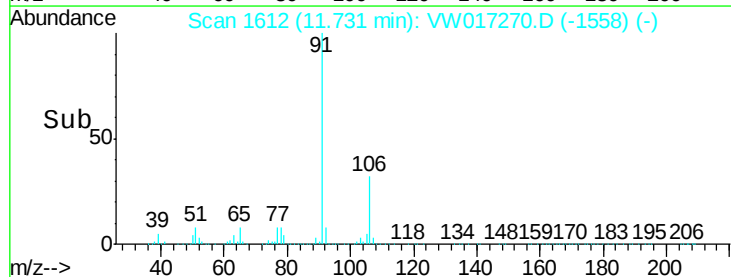
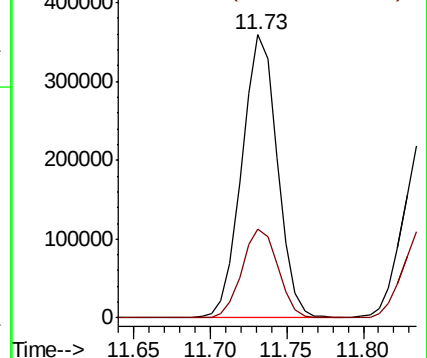
91 100

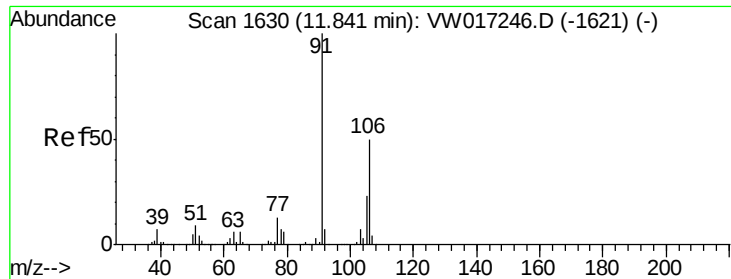
106 31.5 22.9 42.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 25.569 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW017270.D

Acq: 16 Nov 2020 20:25

Instrument :

MSVOA_W

ClientSampled :

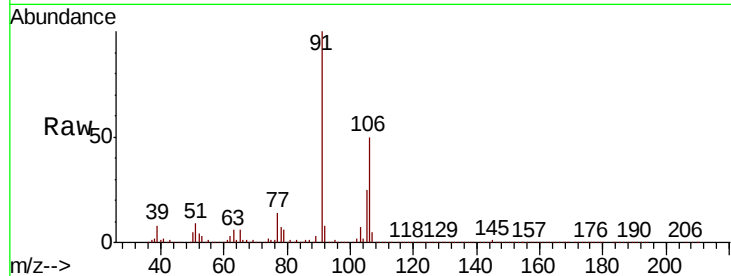
VSTD02537

Tot Ion:106 Resp: 224709

Ion Ratio Lower Upper

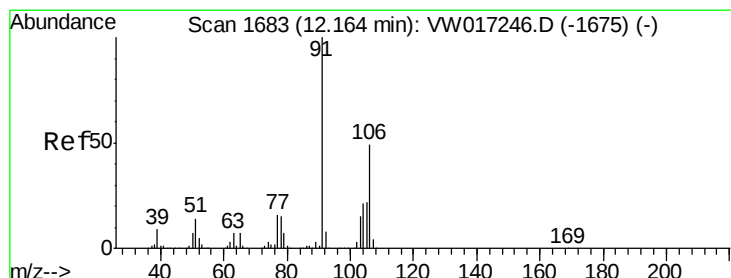
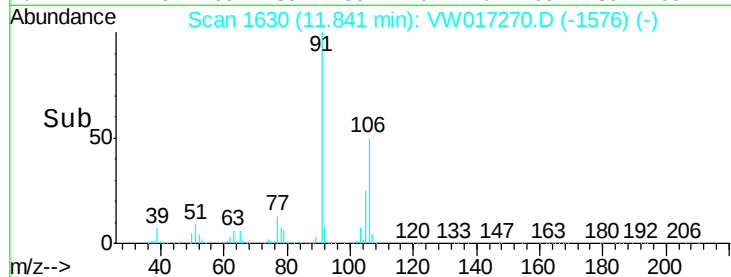
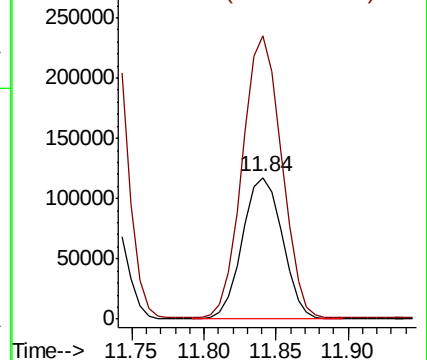
106 100

91 199.5 138.7 257.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 26.412 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VW017270.D

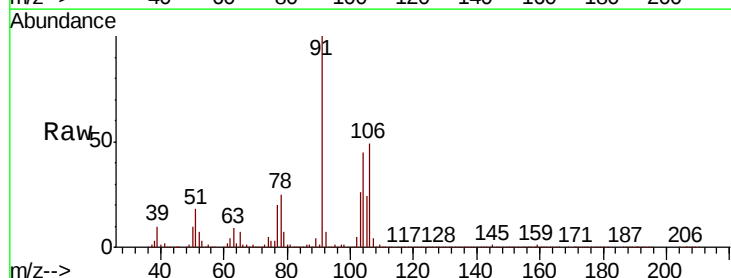
Acq: 16 Nov 2020 20:25

Tgt Ion:106 Resp: 220319

Ion Ratio Lower Upper

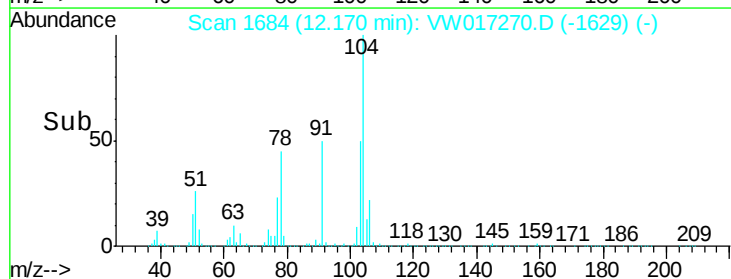
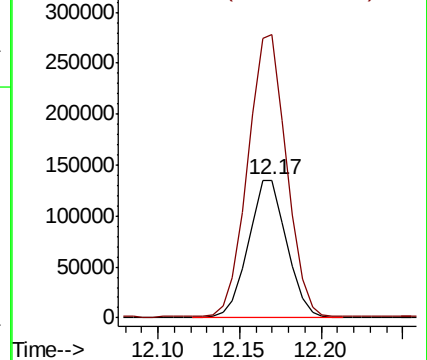
106 100

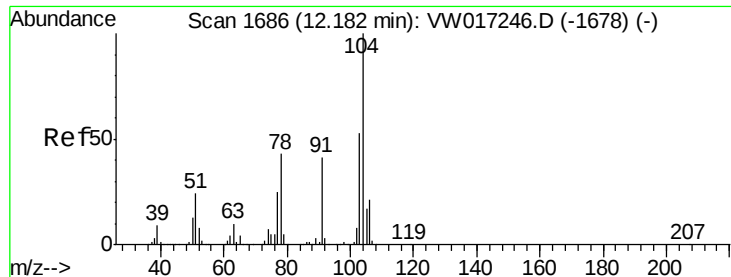
91 205.0 140.8 261.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Stvrene

Concen: 27.156 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW017270.D

Acq: 16 Nov 2020 20:25

Instrument :

MSVOA_W

ClientSampled :

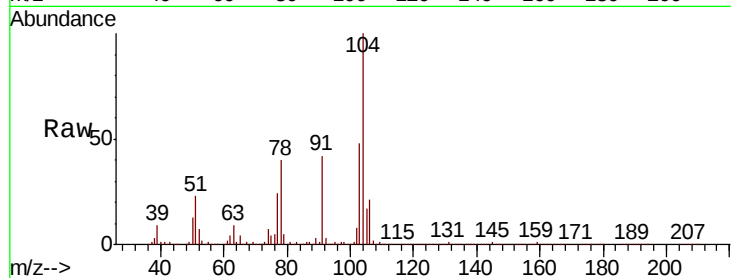
VSTD02537

Tot Ion:104 Resp: 380317

Ion Ratio Lower Upper

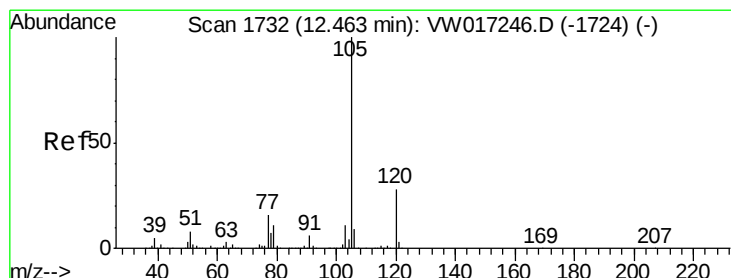
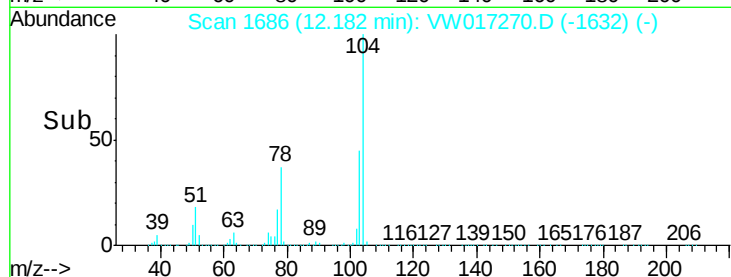
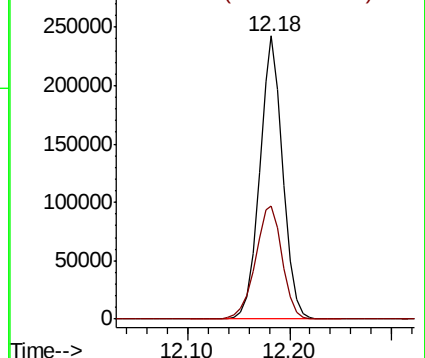
104 100

78 40.2 28.2 52.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V



#57

Isopropylbenzene

Concen: 27.484 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW017270.D

Acq: 16 Nov 2020 20:25

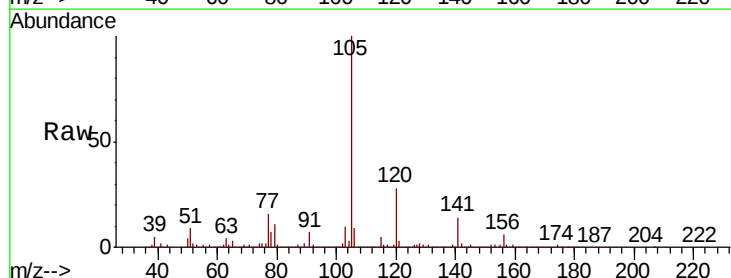
Tgt Ion:105 Resp: 622179

Ion Ratio Lower Upper

105 100

120 27.4 21.8 32.6

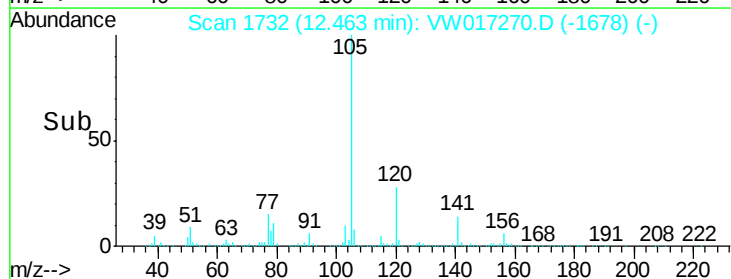
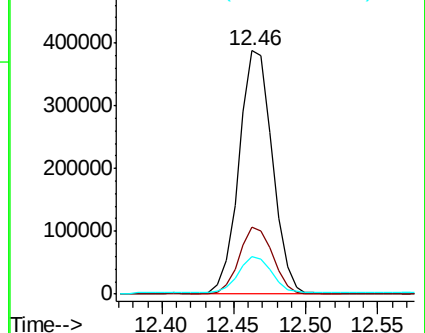
77 16.1 11.4 17.0

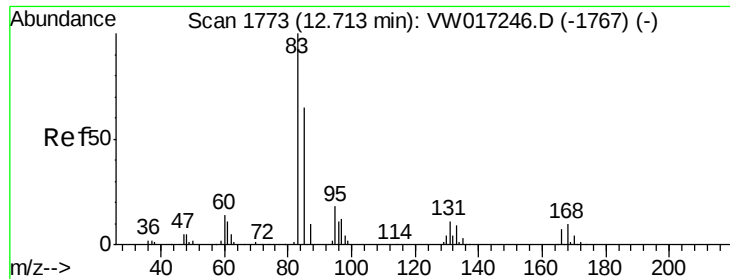


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V





#58

1,1,2,2-Tetrachloroethane

Concen: 24.182 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW017270.D

Acq: 16 Nov 2020 20:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02537

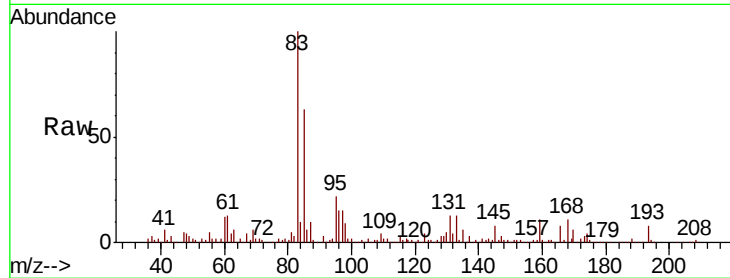
Tot Ion: 83 Resp: 102881

Ion Ratio Lower Upper

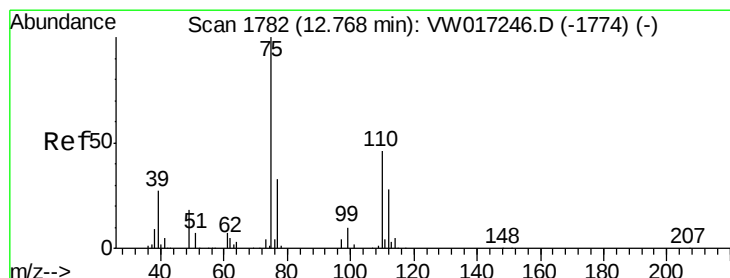
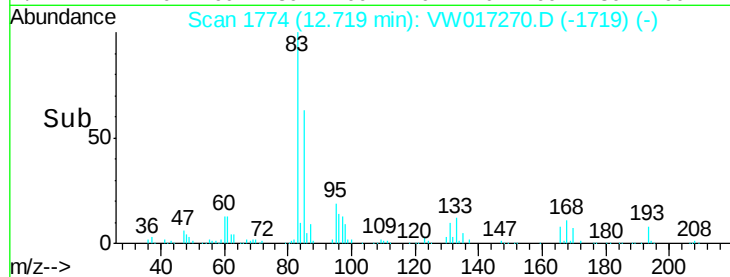
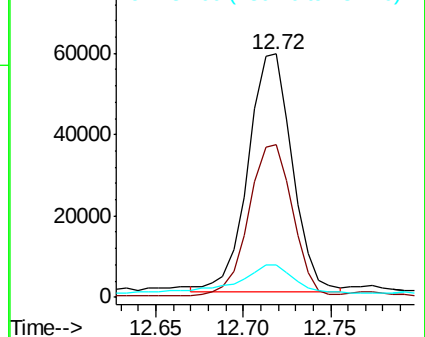
83 100

85 62.6 44.9 83.5

131 13.5 8.8 13.2#



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW
Ion 131.00 (130.70 to 131.70): V



#59

1,2,3-Trichloropropane

Concen: 22.795 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW017270.D

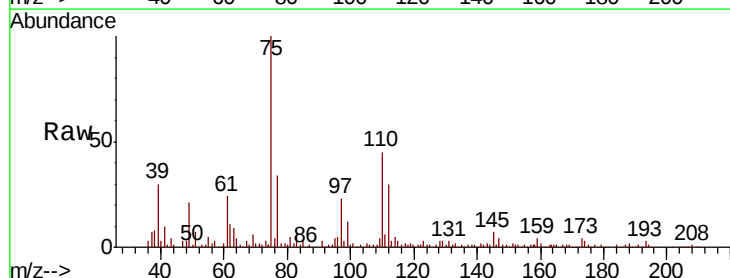
Acq: 16 Nov 2020 20:25

Tgt Ion: 75 Resp: 69710

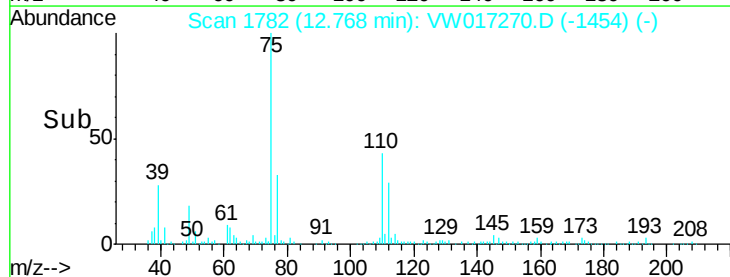
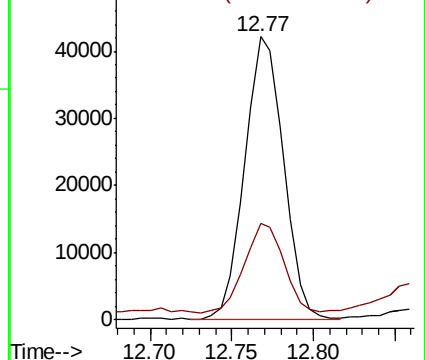
Ion Ratio Lower Upper

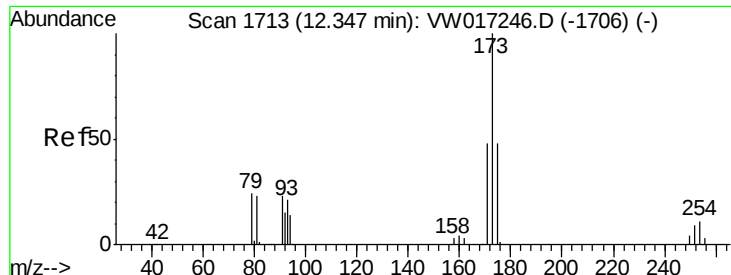
75 100

77 31.7 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VW
Ion 77.00 (76.70 to 77.70): VW





#62

Bromoform

Concen: 24.878 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW017270.D

Acq: 16 Nov 2020 20:25

Instrument :

MSVOA_W

ClientSampled :

VSTD02537

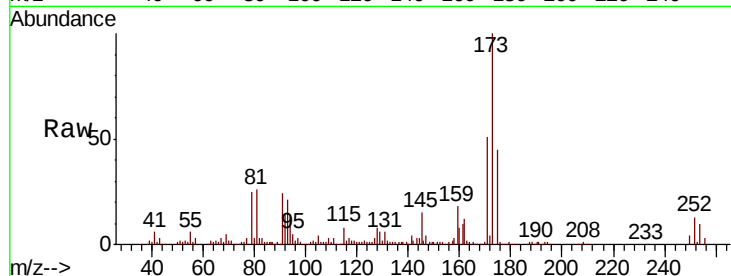
Tot Ion:173 Resp: 72361

Ion Ratio Lower Upper

173 100

175 45.7 38.3 57.5

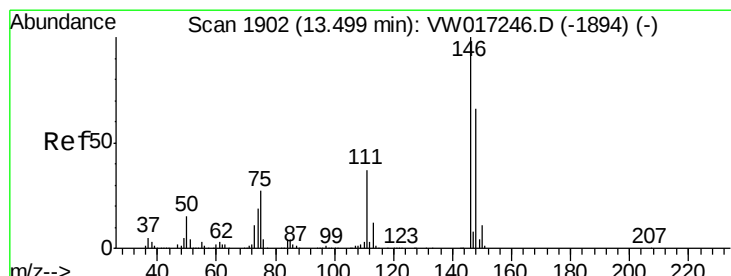
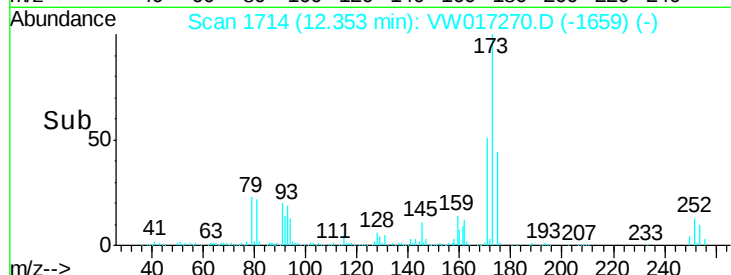
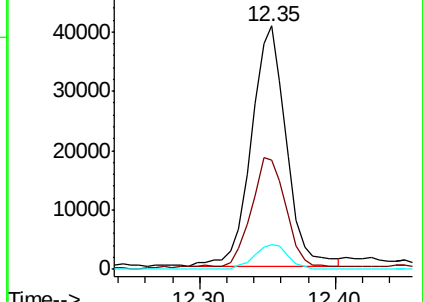
254 10.1 8.1 12.1



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#63

1,3-Dichlorobenzene

Concen: 25.013 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW017270.D

Acq: 16 Nov 2020 20:25

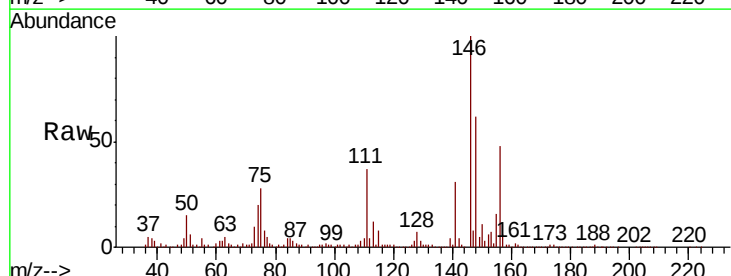
Tgt Ion:146 Resp: 294844

Ion Ratio Lower Upper

146 100

111 36.7 26.4 49.0

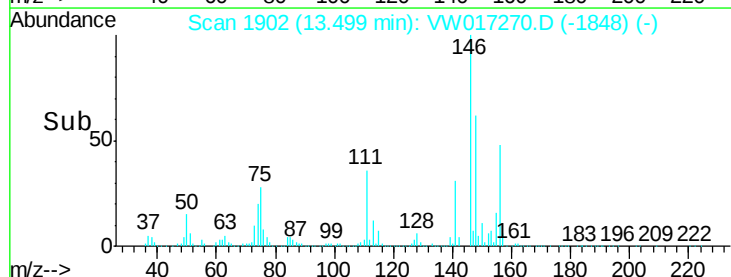
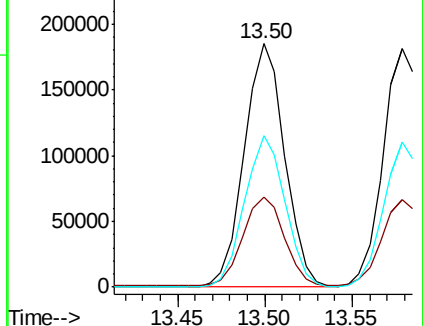
148 62.3 42.1 78.1

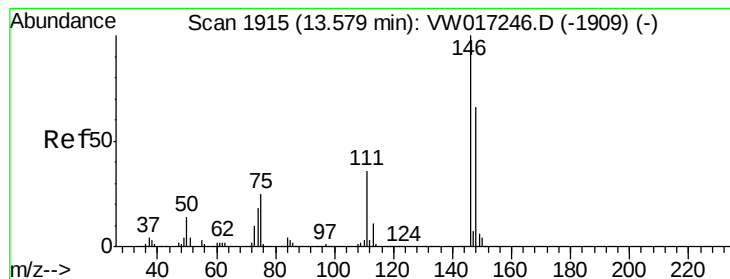


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 24.620 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW017270.D

Acq: 16 Nov 2020 20:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02537

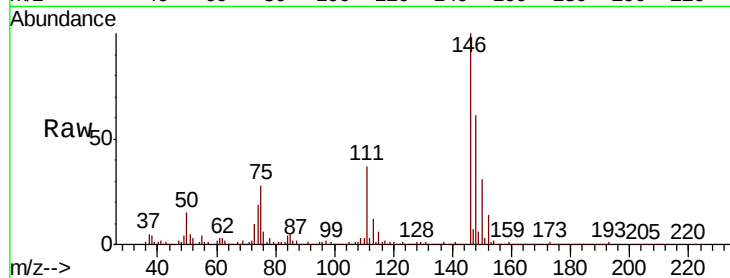
Tot Ion:146 Resp: 291563

Ion Ratio Lower Upper

146 100

111 36.5 24.5 45.5

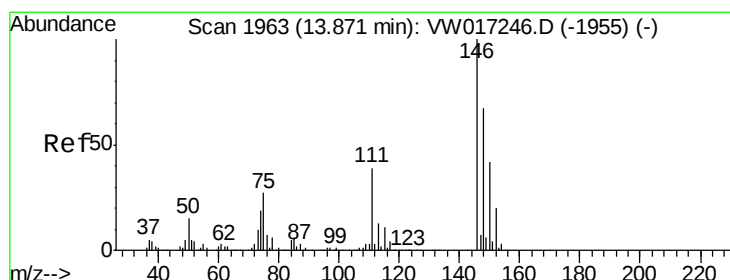
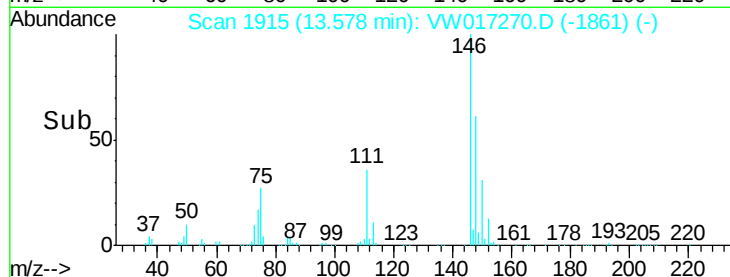
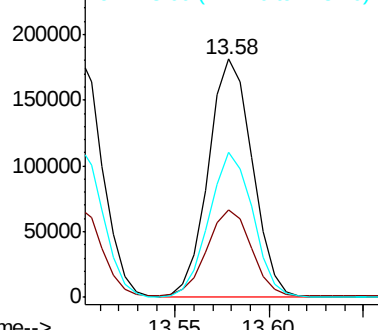
148 61.0 45.5 84.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 24.761 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW017270.D

Acq: 16 Nov 2020 20:25

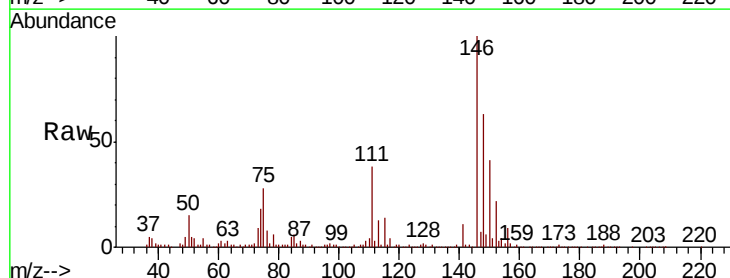
Tgt Ion:146 Resp: 263204

Ion Ratio Lower Upper

146 100

111 38.2 30.5 45.7

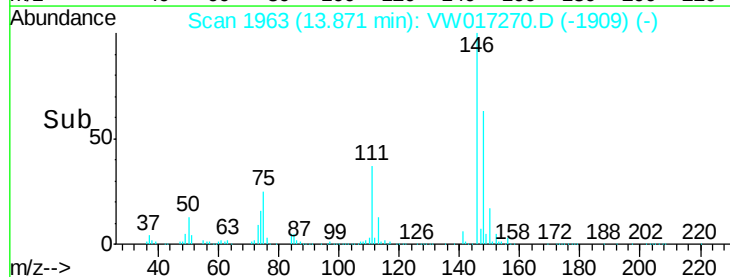
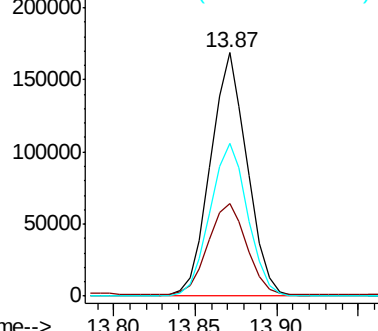
148 62.8 50.3 75.5

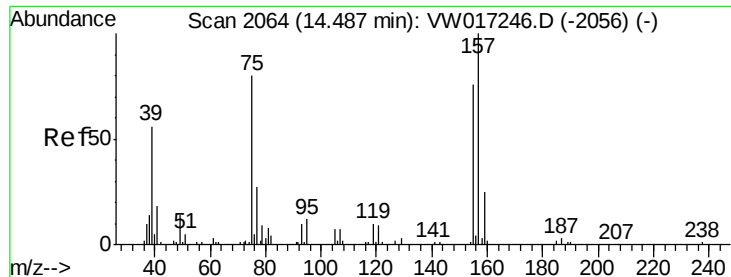


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

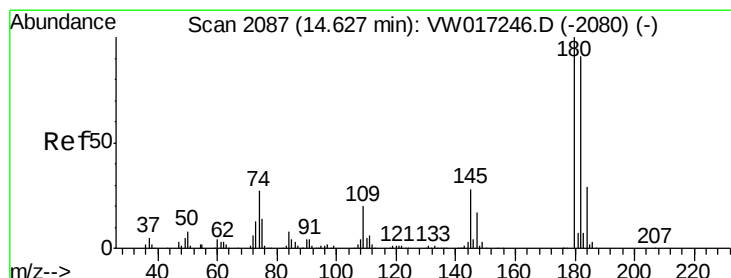
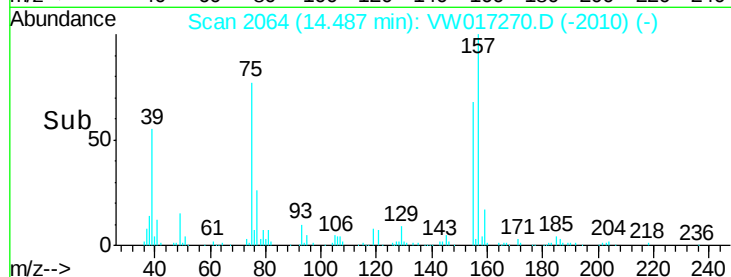
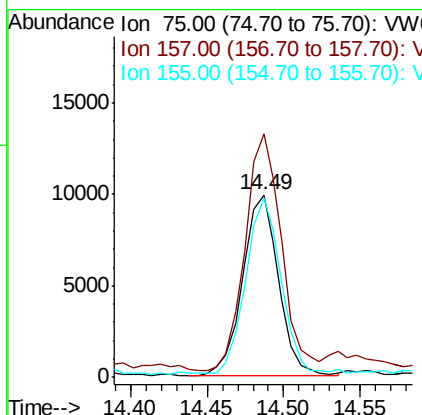
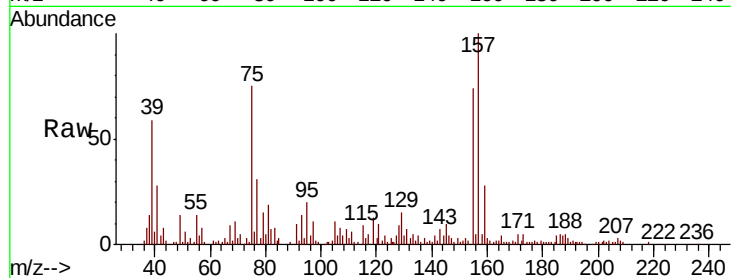




#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.837 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW017270.D
 Acq: 16 Nov 2020 20:25

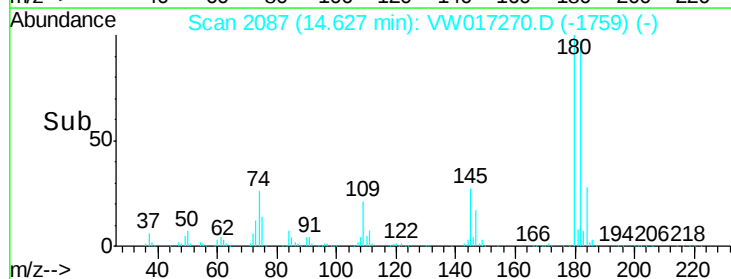
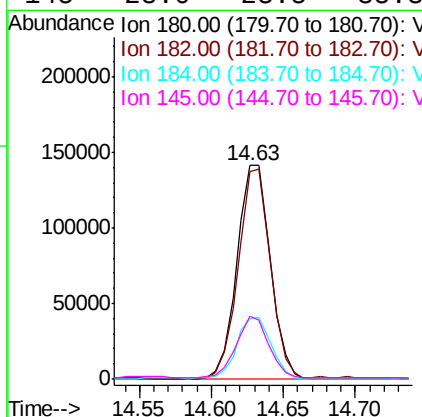
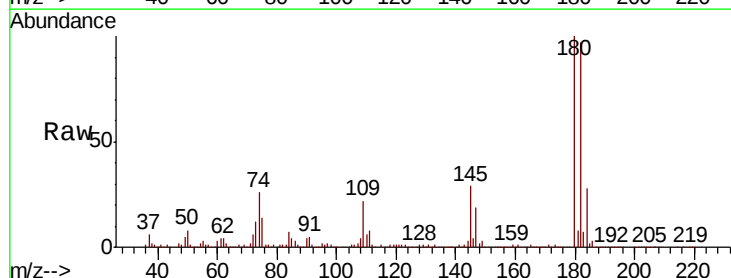
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02537

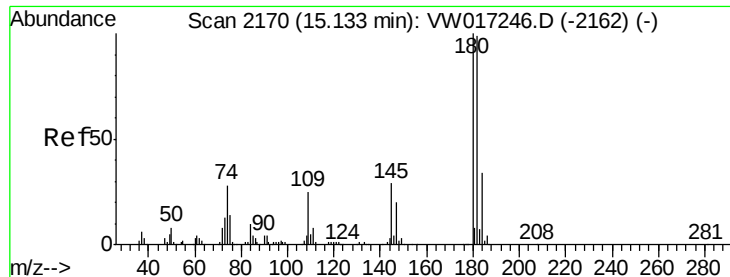
Tot Ion: 75 Resp: 16050
 Ion Ratio Lower Upper
 75 100
 157 133.3 108.2 162.4
 155 98.1 79.1 118.7



#67
 1,3,5-Trichlorobenzene
 Concen: 26.246 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW017270.D
 Acq: 16 Nov 2020 20:25

Tgt Ion: 180 Resp: 227971
 Ion Ratio Lower Upper
 180 100
 182 94.2 77.2 115.8
 184 30.1 24.2 36.4
 145 28.0 23.5 35.3

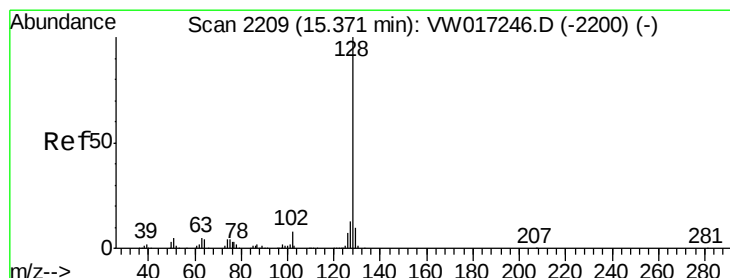
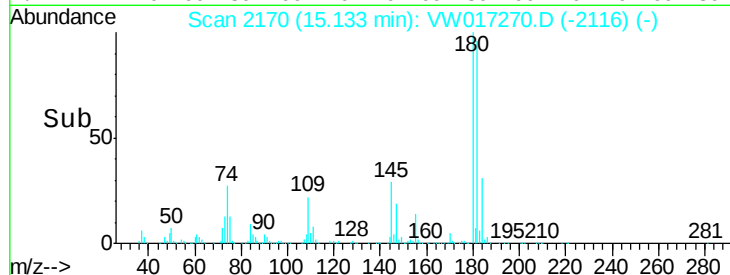
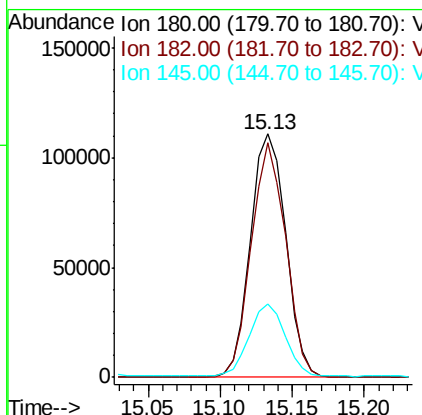
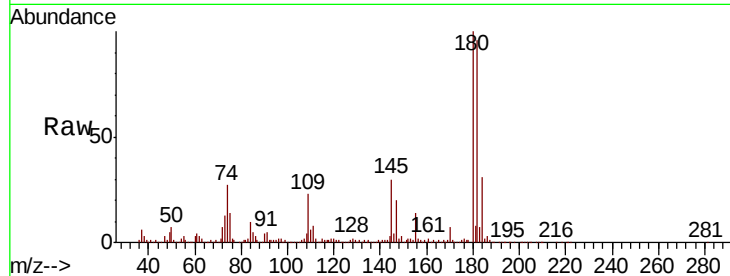




#68
 1,2,4-trichlorobenzene
 Concen: 27.183 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017270.D
 Acq: 16 Nov 2020 20:25

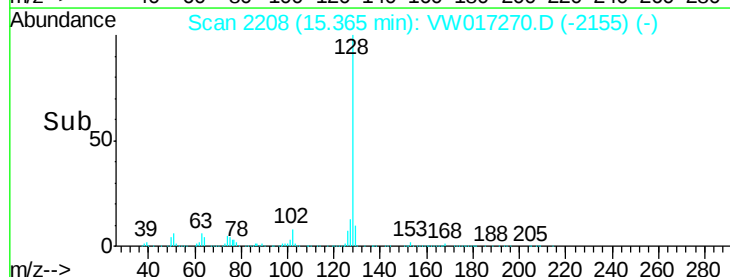
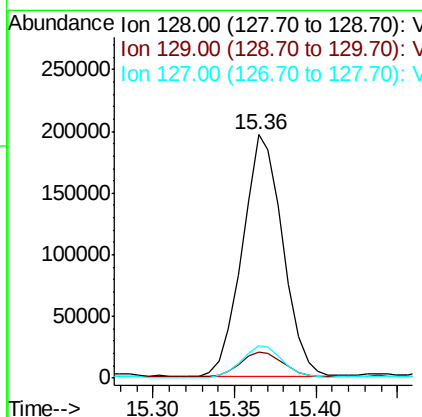
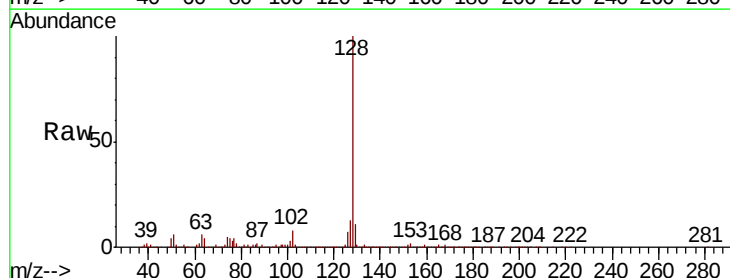
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02537

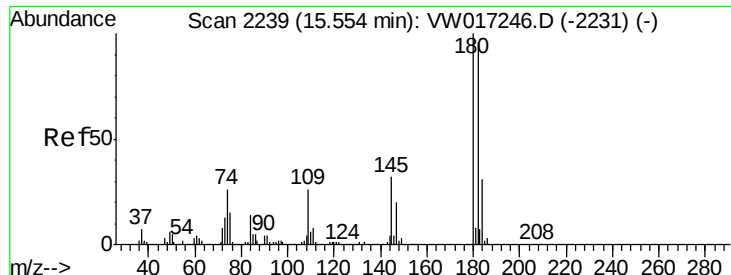
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	76.7	115.1
145	30.0	23.6	35.4



#69
 Naphthalene
 Concen: 26.546 ug/L
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.01 min
 Lab File: VW017270.D
 Acq: 16 Nov 2020 20:25

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	12.8
127	13.3	10.2	15.2





#70

1,2,3-Trichlorobenzene

Concen: 24.784 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW017270.D

Acq: 16 Nov 2020 20:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02537

Tot Ion:180 Resp: 156969

Ion Ratio Lower Upper

180 100

182 100.3 75.5 113.3

145 34.7 24.5 36.7

