

Data File : VW015577.D
Acq On : 09 Jun 2020 17:07
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

Quant Time: Jun 10 03:30:48 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 09 12:46:40 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	311840	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	290060	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	140327	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	69415	24.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.16%
7) Chloroethane-d5	2.90	69	77847	27.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.56%
10) 1,1-Dichloroethene-d2	4.02	63	160819	23.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.40%
20) 2-Butanone-d5	7.09	46	52845	56.64	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.28%
24) Chloroform-d	7.65	84	188012	26.07	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.28%
26) 1,2-Dichloroethane-d4	8.31	65	110165	27.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.84%
29) Benzene-d6	8.28	84	360212	25.32	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.28%
33) 1,2-Dichloropropane-d6	9.28	67	111241	25.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.92%
37) Toluene-d8	10.33	98	343389	24.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.32%
38) trans-1,3-Dichloropropene-	10.58	79	46765	23.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.56%
39) 2-Hexanone-d5	10.93	63	45646	60.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	121.98%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	95372	29.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	117.20%
61) 1,2-Dichlorobenzene-d4	13.85	152	122005	25.94	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.76%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	61984	22.499 ug/L	95
3) Chloromethane	2.21	50	63415	20.910 ug/L	98
5) Vinyl chloride	2.37	62	106689	23.393 ug/L	100
6) Bromomethane	2.79	94	74066	24.986 ug/L	99
8) Chloroethane	2.93	64	69146	24.907 ug/L	98
9) Trichlorofluoromethane	3.27	101	74067	22.821 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	90443	23.495 ug/L	98
12) 1,1-Dichloroethene	4.04	96	84697	22.778 ug/L	93
13) Acetone	4.14	43	34800	48.248 ug/L	99
14) Carbon disulfide	4.39	76	258911	20.872 ug/L	99
15) Methyl Acetate	4.68	43	42401	27.172 ug/L	98
16) Methylene chloride	4.92	84	96969	25.336 ug/L	98
17) Methyl tert-butyl Ether	5.43	73	148879	25.231 ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	95594	23.989 ug/L	99
19) 1,1-Dichloroethane	6.22	63	176430	24.615 ug/L	100
21) 2-Butanone	7.18	43	56427	50.926 ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	105342	25.341 ug/L	99

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QLast Update : Tue Jun 09 12:46:40 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	47054	26.249	ug/L	98
25) Chloroform	7.68	83	185775	25.741	ug/L	99
27) 1,2-Dichloroethane	8.40	62	133762	27.397	ug/L	100
30) Cyclohexane	7.96	56	157269	21.934	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	155502	23.964	ug/L	100
32) Carbon tetrachloride	8.07	117	141434	23.764	ug/L	99
34) Benzene	8.33	78	406129	25.037	ug/L	100
35) Trichloroethene	9.09	95	106243	24.383	ug/L	99
36) Methylcyclohexane	9.34	83	177592	22.853	ug/L	100
40) 1,2-Dichloropropane	9.37	63	100953	25.272	ug/L	100
41) Bromodichloromethane	9.65	83	135096	25.315	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	161174	25.214	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	128903	55.050	ug/L	100
44) Toluene	10.39	91	441416	24.977	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	142011	25.528	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	76437	27.351	ug/L	98
47) Tetrachloroethene	10.87	164	84276	24.400	ug/L	97
49) 2-Hexanone	10.97	43	89517	56.638	ug/L	99
50) Dibromochloromethane	11.13	129	88989	26.209	ug/L	98
51) 1,2-Dibromoethane	11.24	107	72906	27.174	ug/L	98
52) Chlorobenzene	11.66	112	278728	25.145	ug/L	99
53) Ethylbenzene	11.73	91	501679	24.722	ug/L	99
54) m,p-Xylene	11.84	106	190275	24.988	ug/L	97
55) o-xylene	12.17	106	181987	25.178	ug/L	99
56) Styrene	12.18	104	318198	25.764	ug/L	98
57) Isopropylbenzene	12.47	105	499105	24.789	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	92809	28.685	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	70667	28.806	ug/L	99
62) Bromoform	12.35	173	49444	25.288	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	221439	25.788	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	219022	26.031	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	201518	27.006	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	15415	27.232	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	153891	25.886	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	126718	26.465	ug/L	100
69) Naphthalene	15.37	128	256503	29.503	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	114601	28.134	ug/L	99

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

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ClientSampleId :
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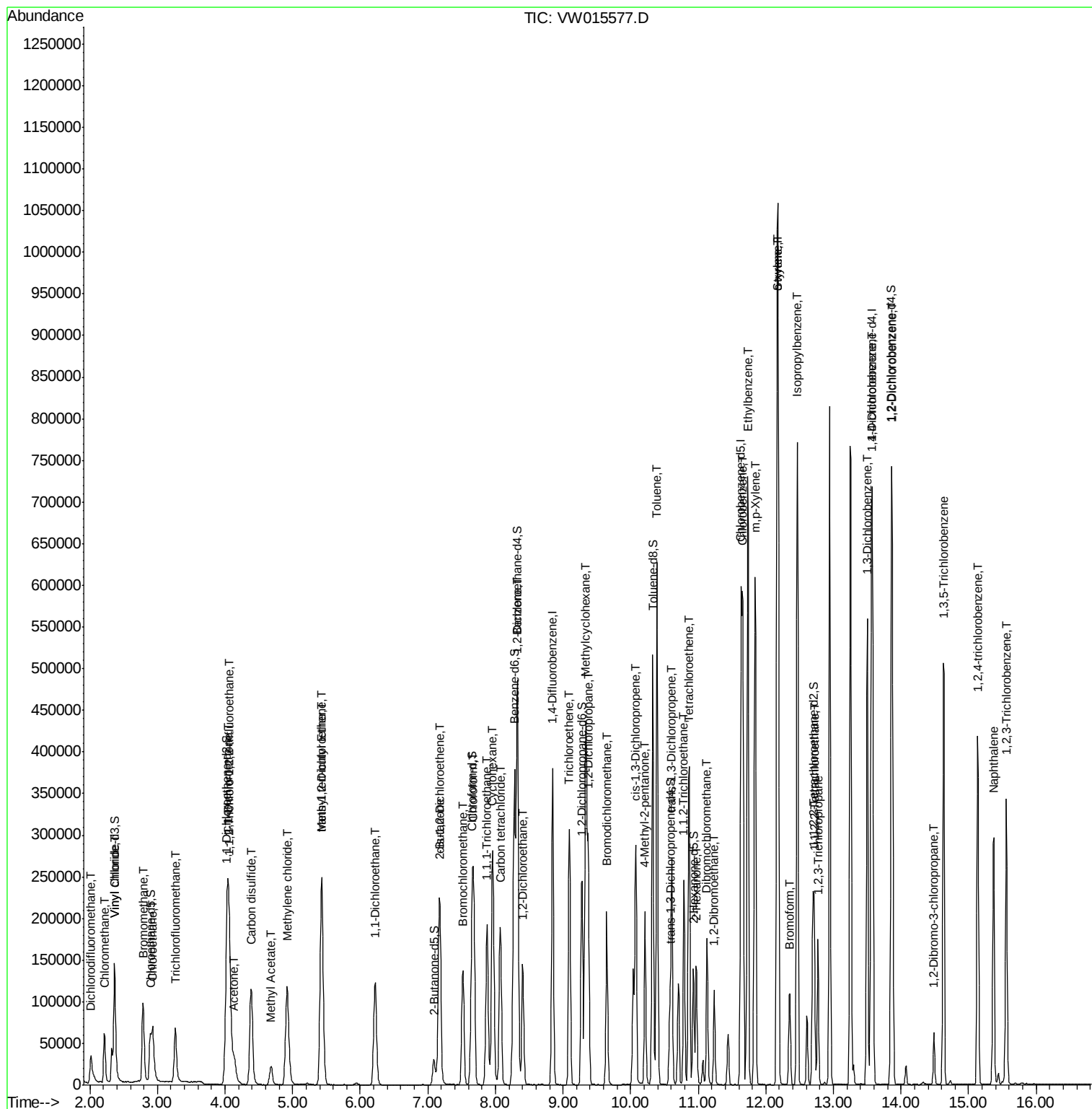
Quant Time: Jun 10 03:30:48 2020

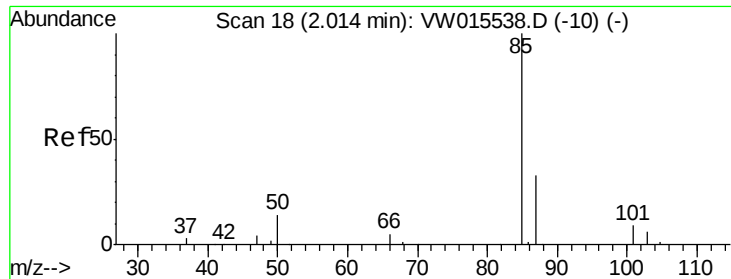
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_W\METHOD\SOM2WLM052620S.M

Quant Title : VOC Analysis

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#2

Dichlorodifluoromethane

Concen: 22.499 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015577.D

Acq: 09 Jun 2020 17:07

Instrument :

MSVOA_W

ClientSampleId :

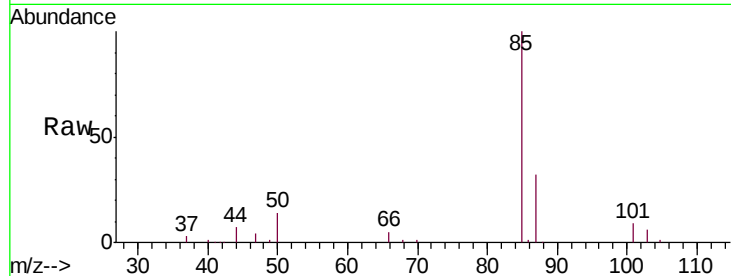
VSTD02526

Tgt Ion: 85 Resp: 61984

Ion Ratio Lower Upper

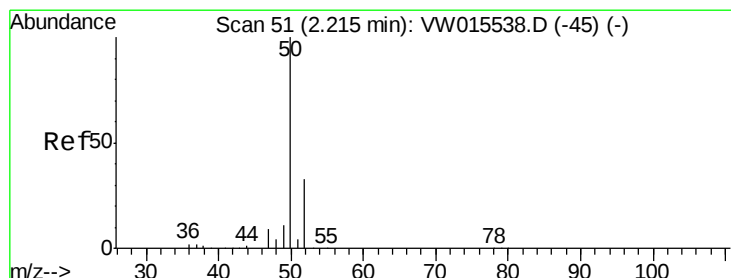
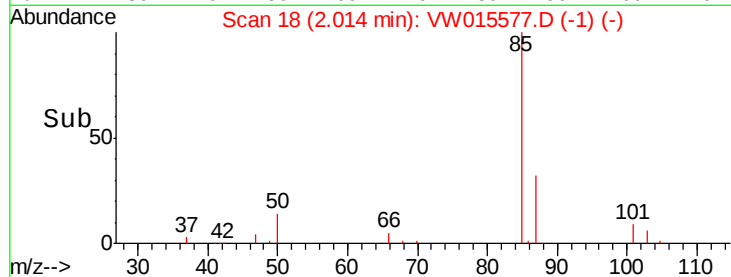
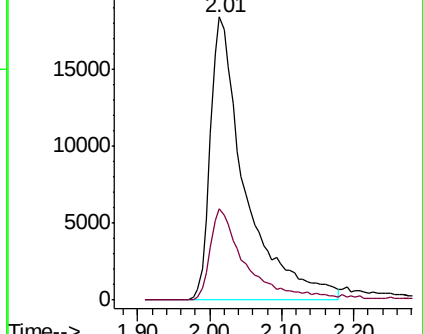
85 100

87 32.7 21.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 20.910 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015577.D

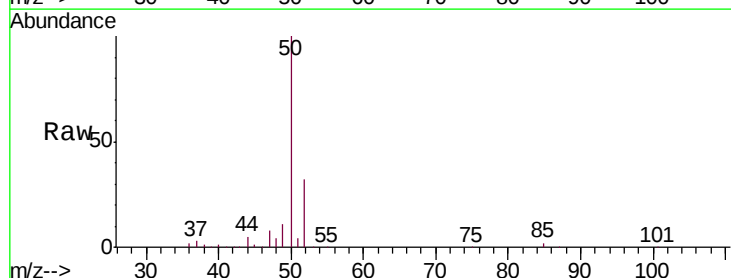
Acq: 09 Jun 2020 17:07

Tgt Ion: 50 Resp: 63415

Ion Ratio Lower Upper

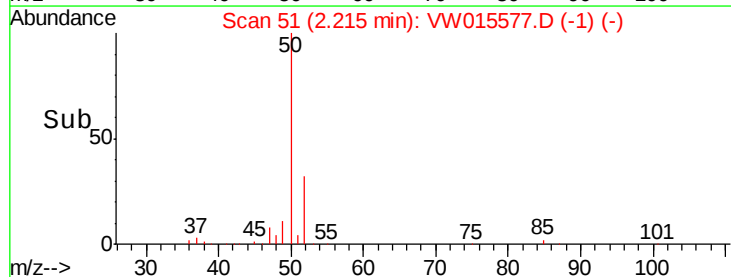
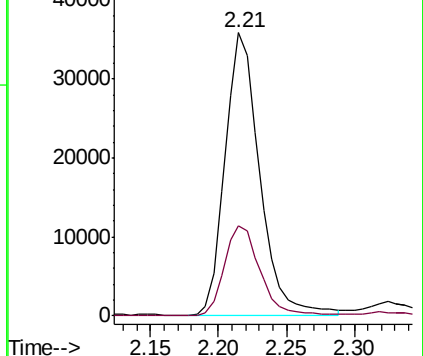
50 100

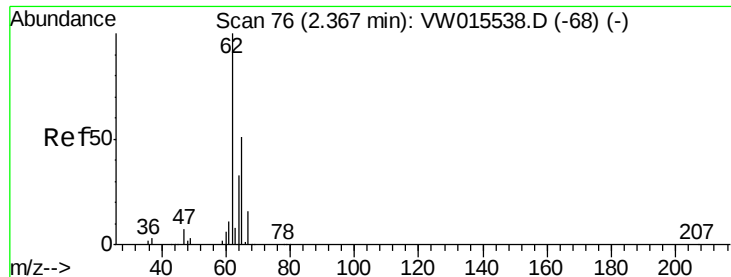
52 32.1 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 23.393 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015577.D

Acq: 09 Jun 2020 17:07

Instrument :

MSVOA_W

ClientSampleId :

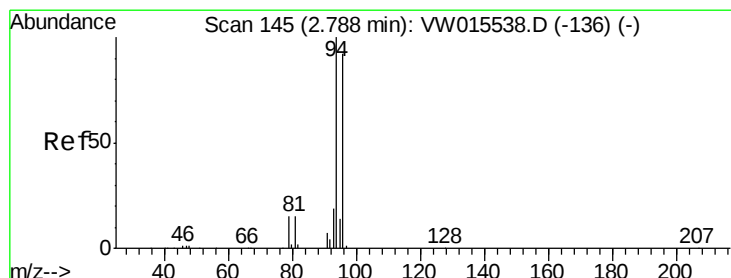
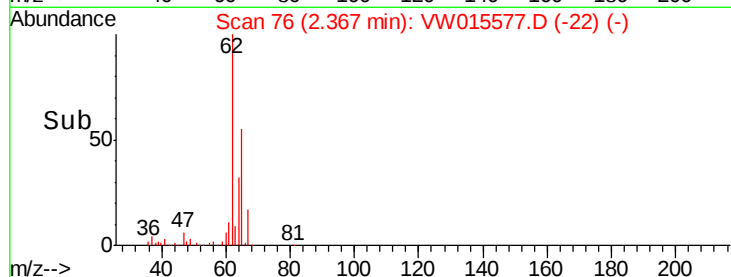
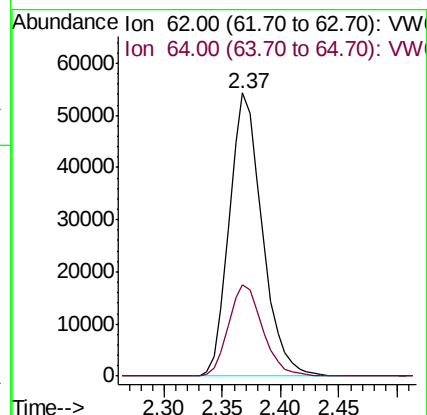
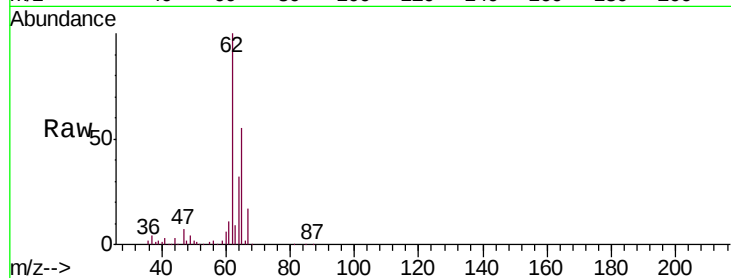
VSTD02526

Tgt Ion: 62 Resp: 106689

Ion Ratio Lower Upper

62 100

64 32.1 22.6 42.0



#6

Bromomethane

Concen: 24.986 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW015577.D

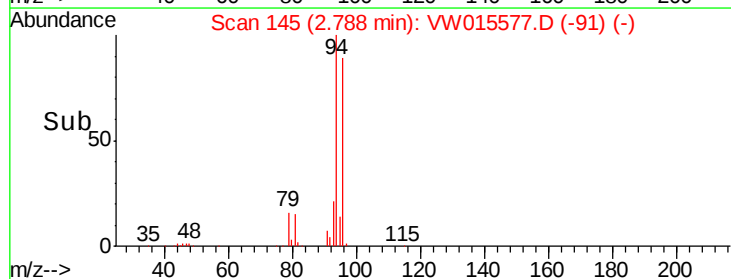
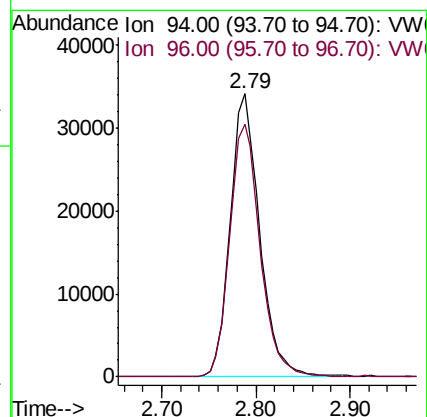
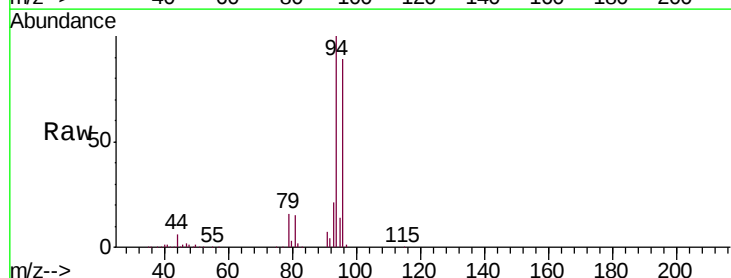
Acq: 09 Jun 2020 17:07

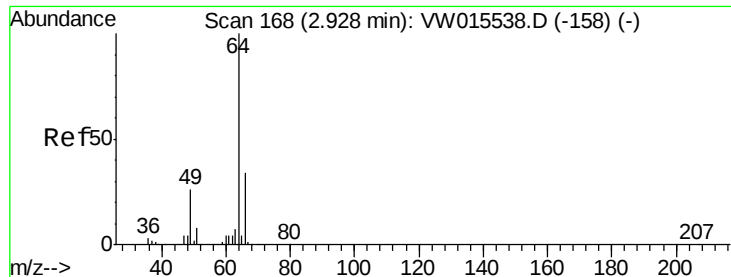
Tgt Ion: 94 Resp: 74066

Ion Ratio Lower Upper

94 100

96 92.3 9.3 177.5





#8

Chloroethane

Concen: 24.907 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW015577.D

Acq: 09 Jun 2020 17:07

Instrument :

MSVOA_W

ClientSampleId :

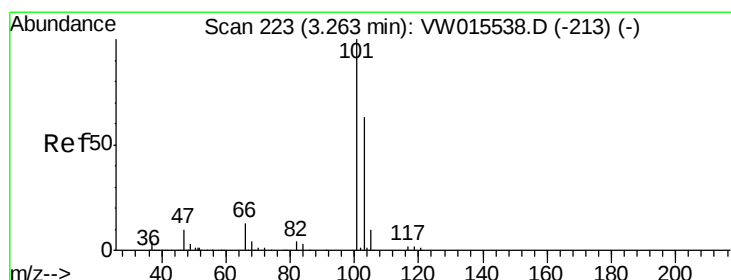
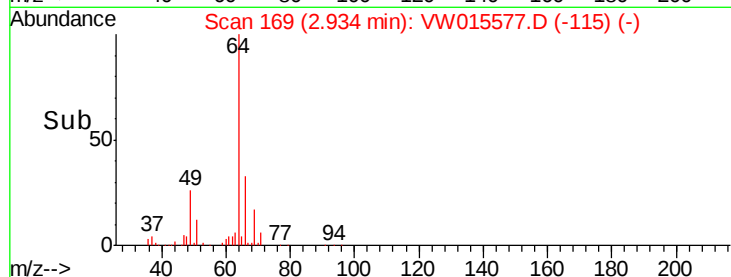
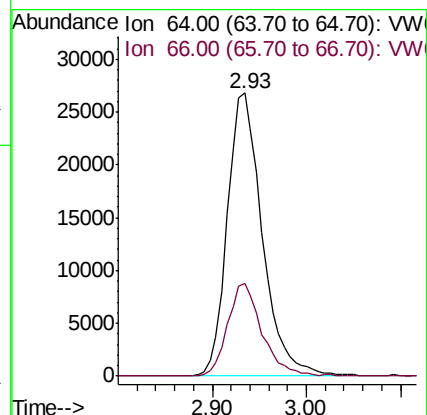
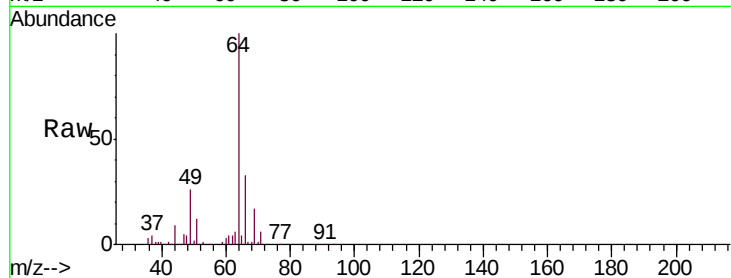
VSTD02526

Tgt Ion: 64 Resp: 69146

Ion Ratio Lower Upper

64 100

66 32.6 22.0 40.8



#9

Trichlorofluoromethane

Concen: 22.821 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.01 min

Lab File: VW015577.D

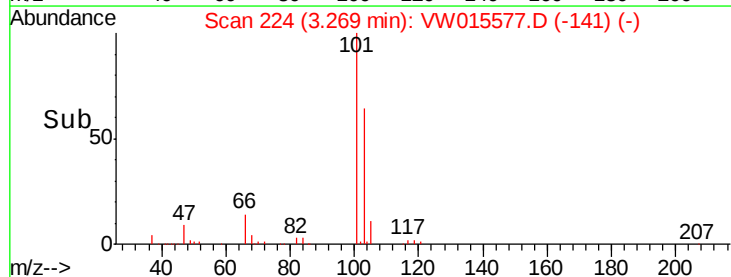
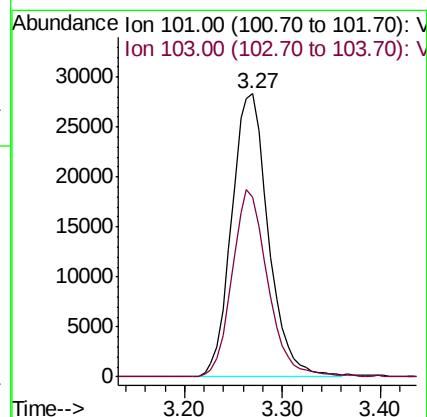
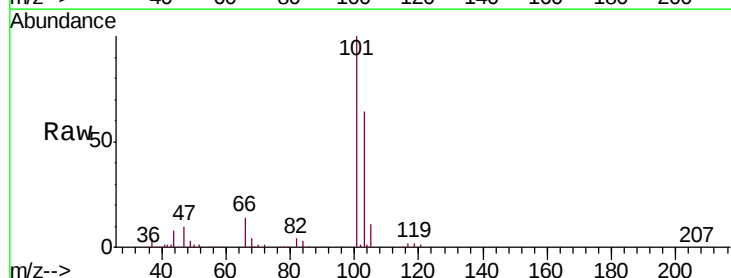
Acq: 09 Jun 2020 17:07

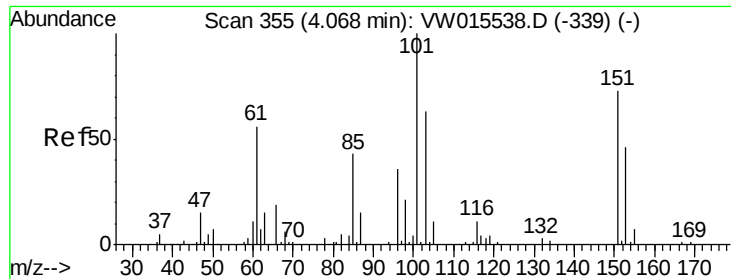
Tgt Ion: 101 Resp: 74067

Ion Ratio Lower Upper

101 100

103 64.2 46.6 86.6





#11

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

Concen: 23.495 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015577.D

Acq: 09 Jun 2020 17:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

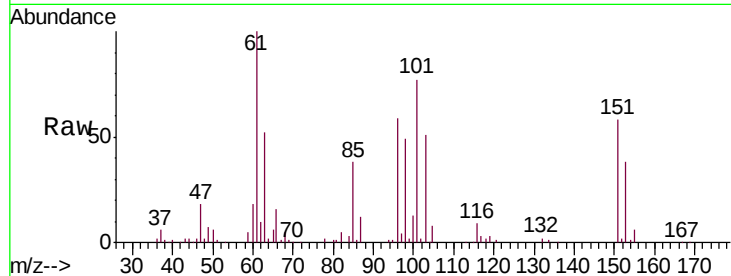
Tgt Ion:101 Resp: 90443

Ion Ratio Lower Upper

101 100

85 45.6 35.1 52.7

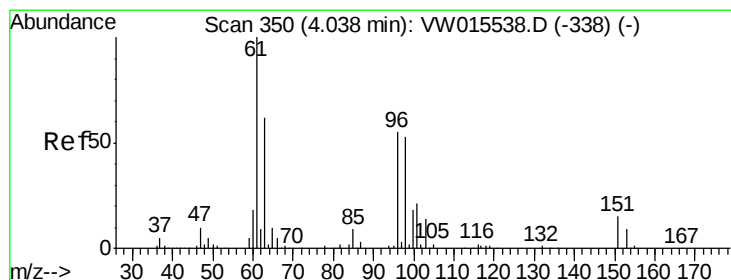
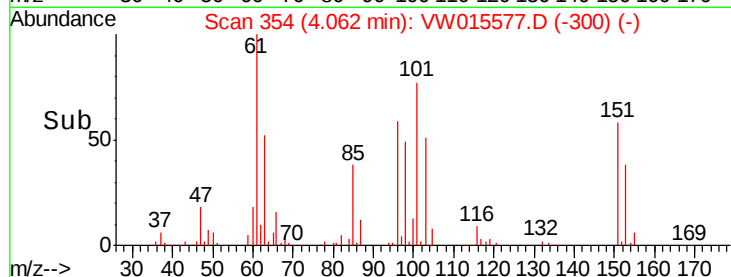
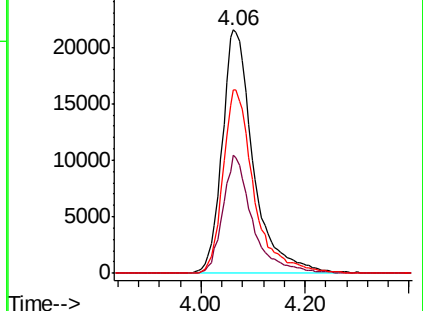
151 71.5 58.6 87.8



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: 22.778 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW015577.D

Acq: 09 Jun 2020 17:07

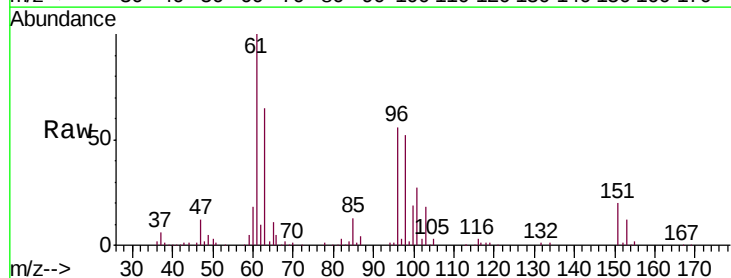
Tgt Ion: 96 Resp: 84697

Ion Ratio Lower Upper

96 100

61 178.4 127.7 237.1

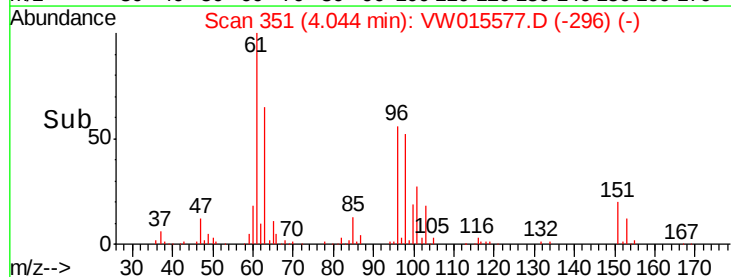
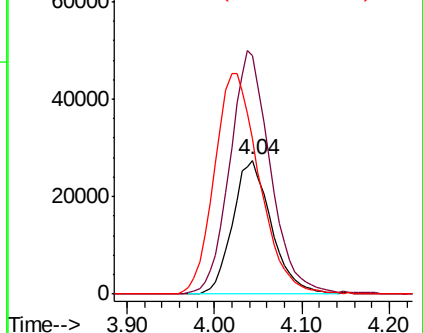
63 115.7 92.3 171.5

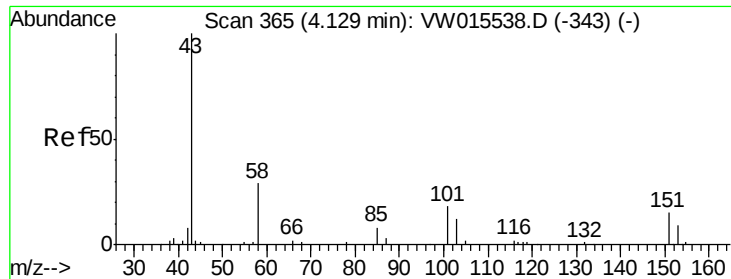


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 48.248 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW015577.D

Acq: 09 Jun 2020 17:07

Instrument :

MSVOA_W

ClientSampled :

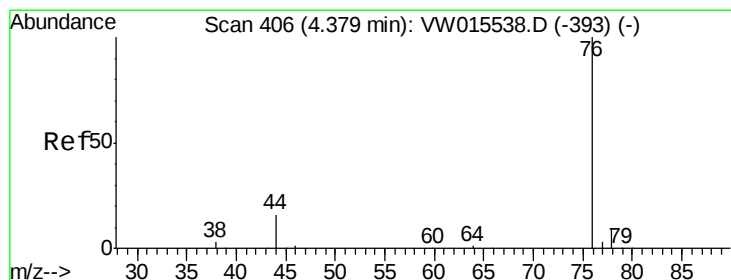
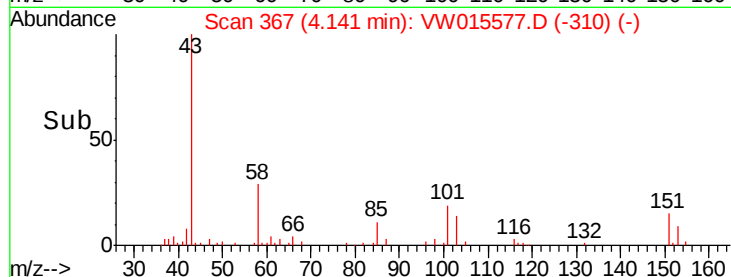
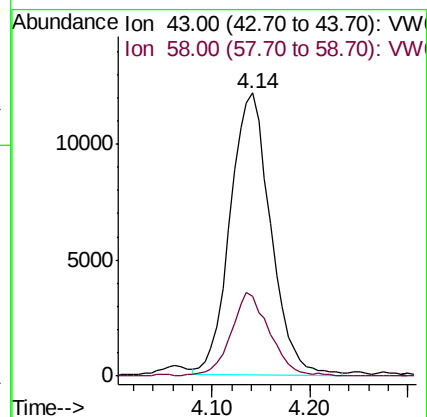
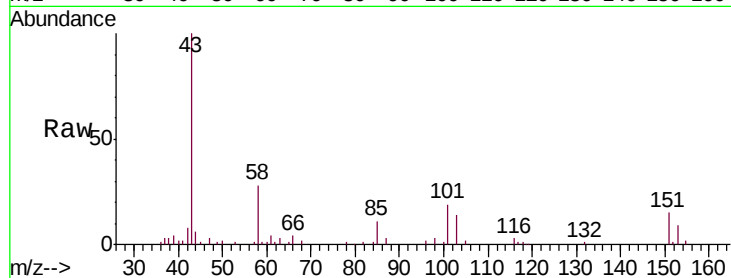
VSTD02526

Tgt Ion: 43 Resp: 34800

Ion Ratio Lower Upper

43 100

58 28.1 0.0 56.8



#14

Carbon disulfide

Concen: 20.872 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW015577.D

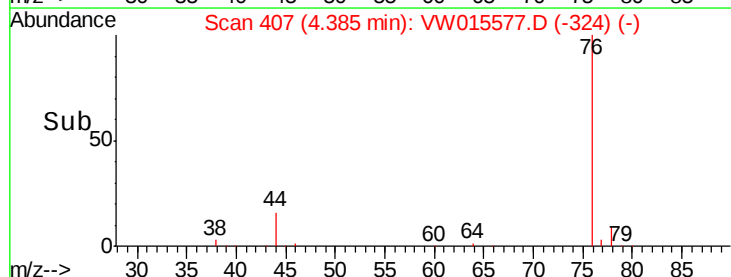
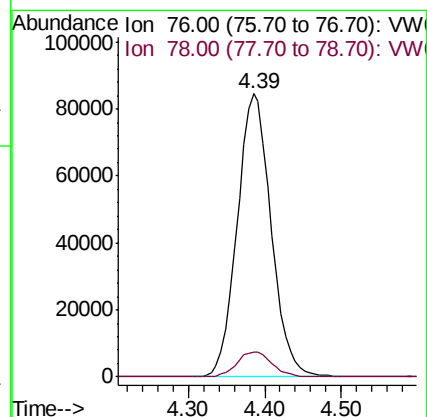
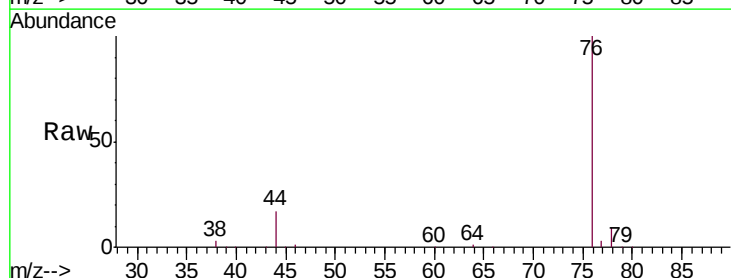
Acq: 09 Jun 2020 17:07

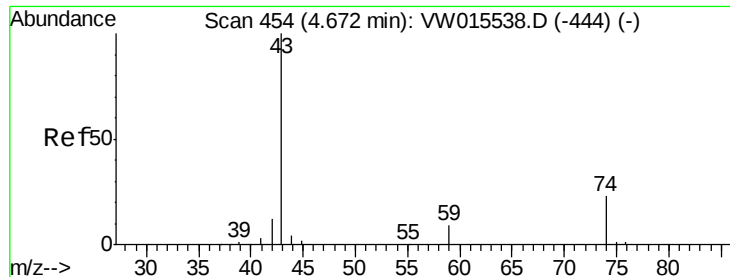
Tgt Ion: 76 Resp: 258911

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9





#15

Methyl Acetate

Concen: 27.172 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW015577.D

Acq: 09 Jun 2020 17:07

Instrument :

MSVOA_W

ClientSampleId :

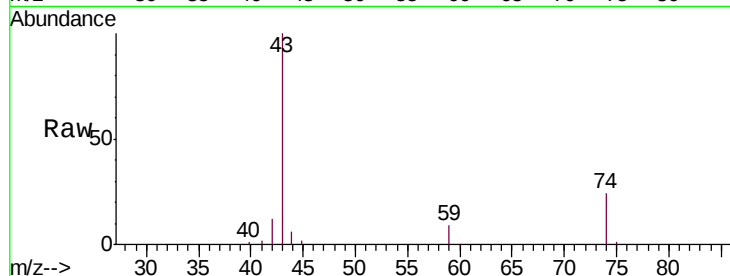
VSTD02526

Tgt Ion: 43 Resp: 42401

Ion Ratio Lower Upper

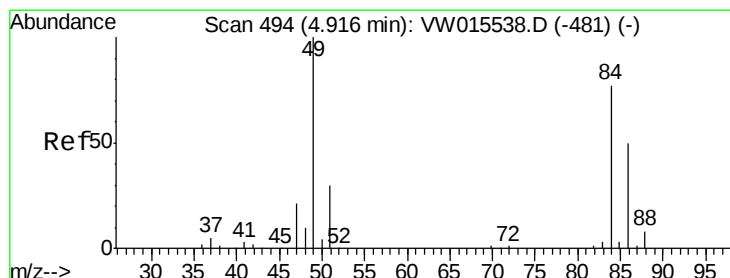
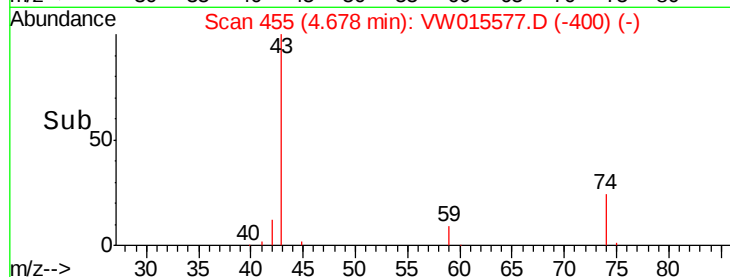
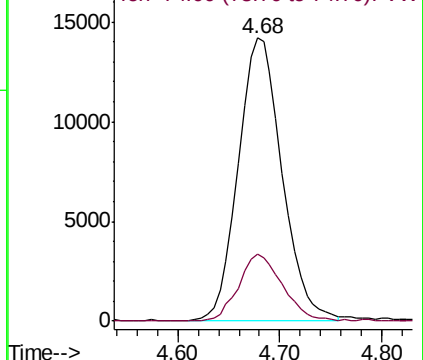
43 100

74 23.7 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 25.336 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW015577.D

Acq: 09 Jun 2020 17:07

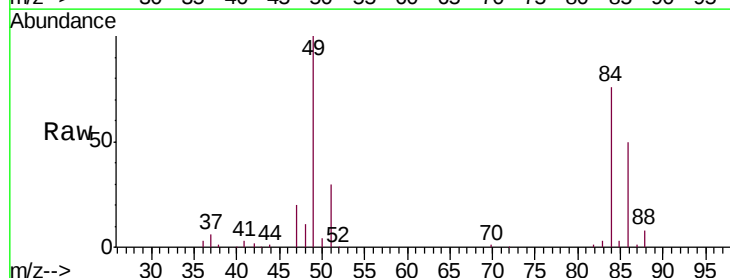
Tgt Ion: 84 Resp: 96969

Ion Ratio Lower Upper

84 100

49 131.7 93.0 172.8

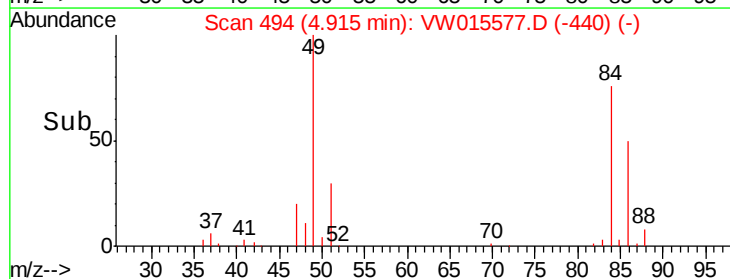
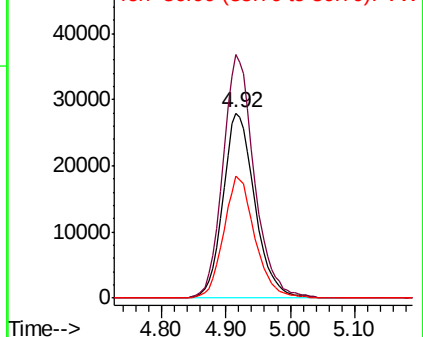
86 65.9 44.7 83.1

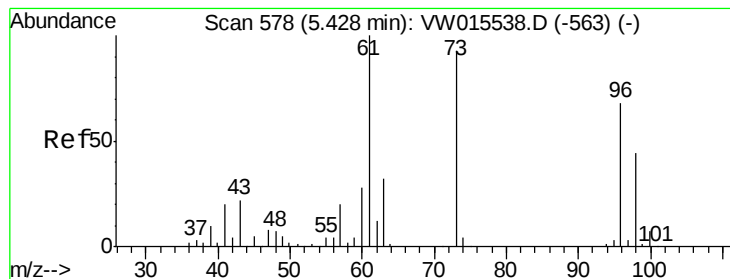


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#17

Methyl tert-butyl Ether

Concen: 25.231 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.00 min

Lab File: VW015577.D

Acq: 09 Jun 2020 17:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

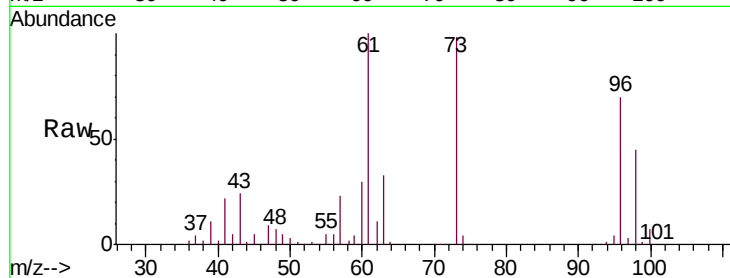
Tgt Ion: 73 Resp: 148879

Ion Ratio Lower Upper

73 100

43 24.0 19.6 29.4

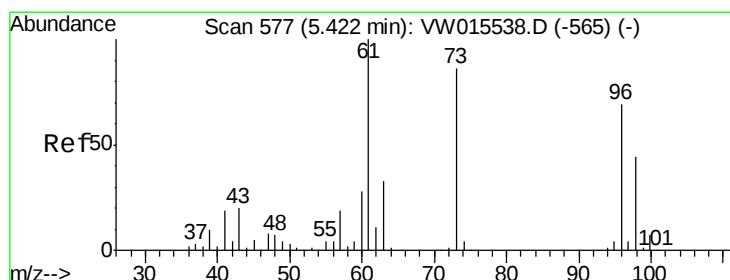
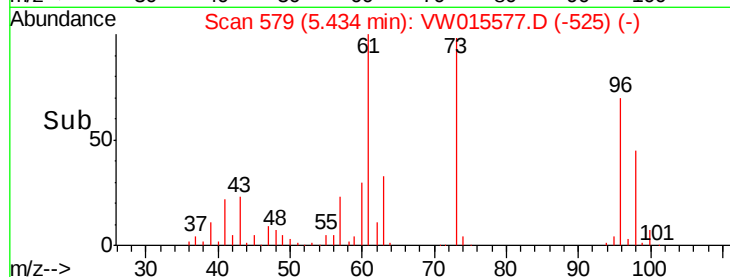
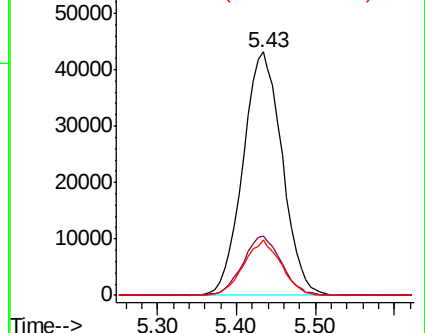
57 21.7 17.7 26.5



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW



#18

trans-1,2-Dichloroethene

Concen: 23.989 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW015577.D

Acq: 09 Jun 2020 17:07

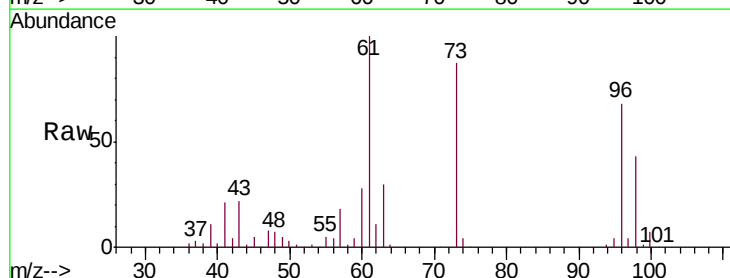
Tgt Ion: 96 Resp: 95594

Ion Ratio Lower Upper

96 100

61 147.4 101.9 189.3

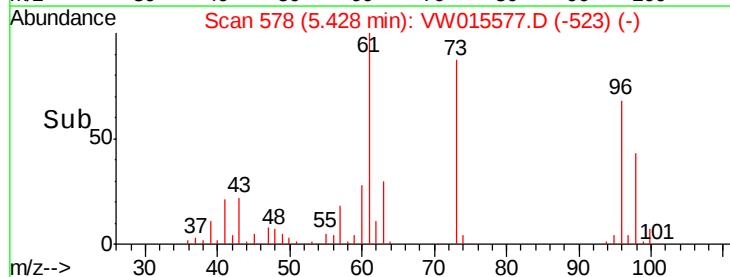
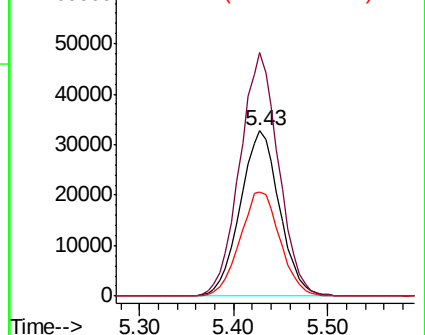
98 63.3 44.9 83.5

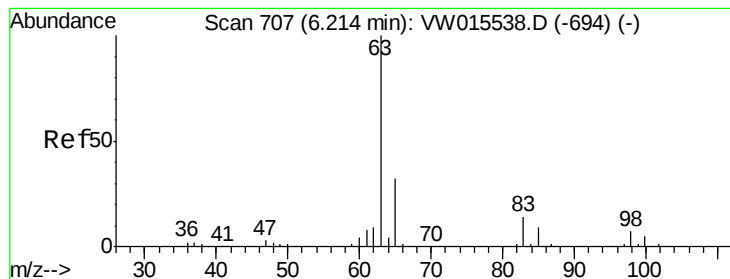


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW





#19

1,1-Dichloroethane

Concen: 24.615 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015577.D

Acq: 09 Jun 2020 17:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

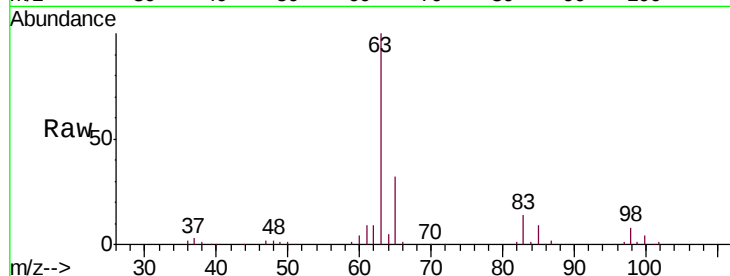
Tgt Ion: 63 Resp: 176430

Ion Ratio Lower Upper

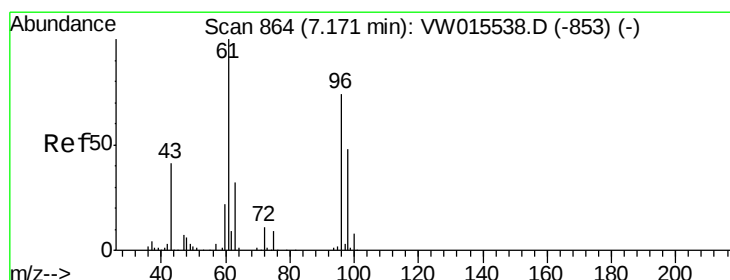
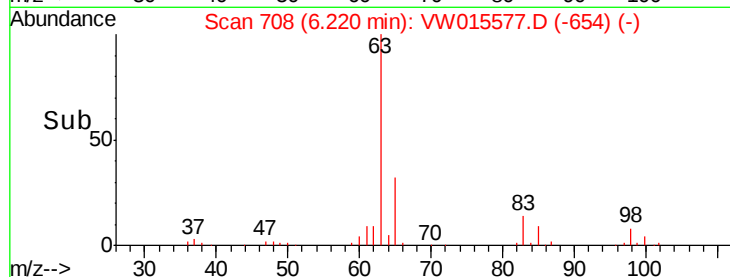
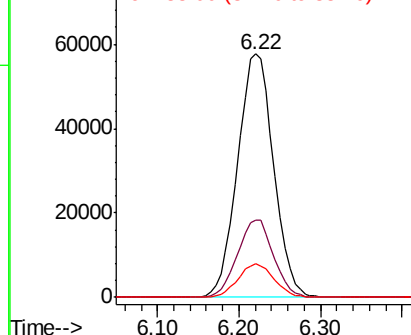
63 100

65 31.9 22.1 41.1

83 13.8 9.7 17.9



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: 50.926 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW015577.D

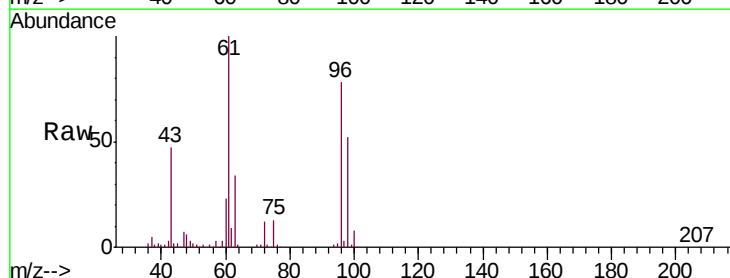
Acq: 09 Jun 2020 17:07

Tgt Ion: 43 Resp: 56427

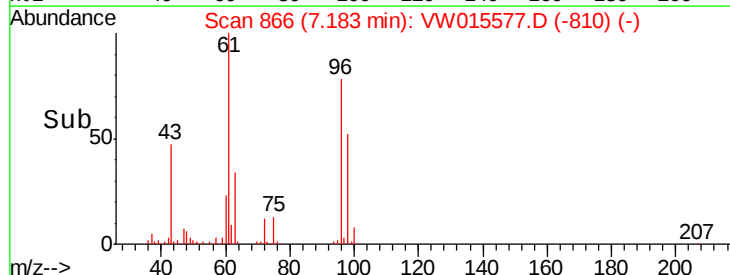
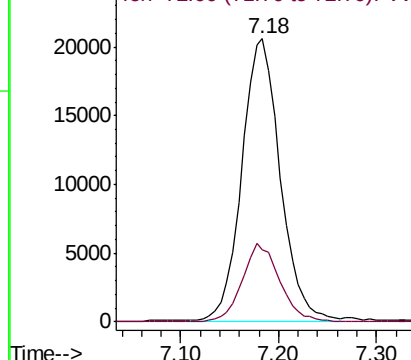
Ion Ratio Lower Upper

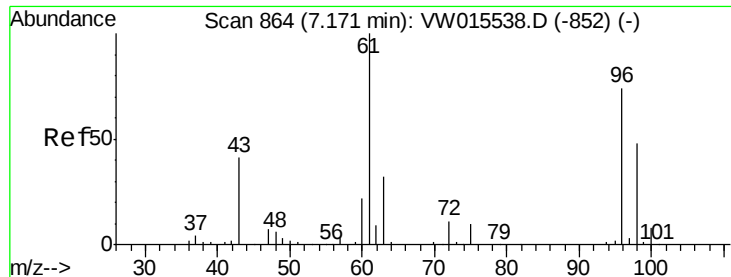
43 100

72 26.8 13.3 39.9



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



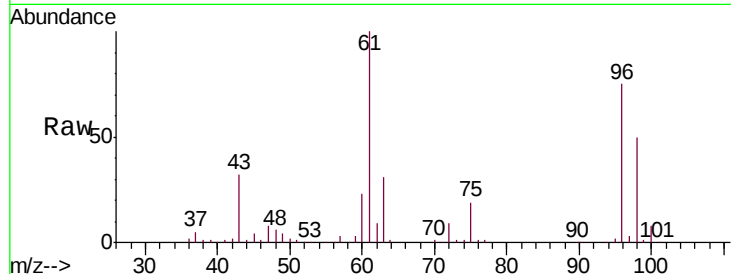


#22

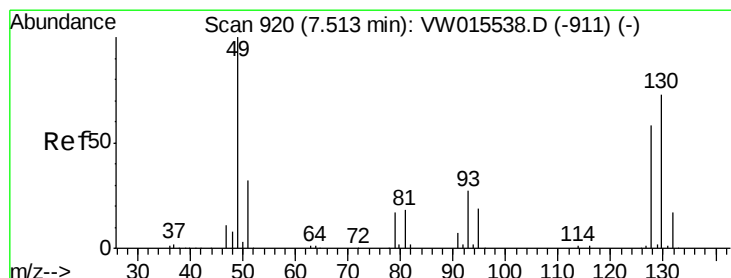
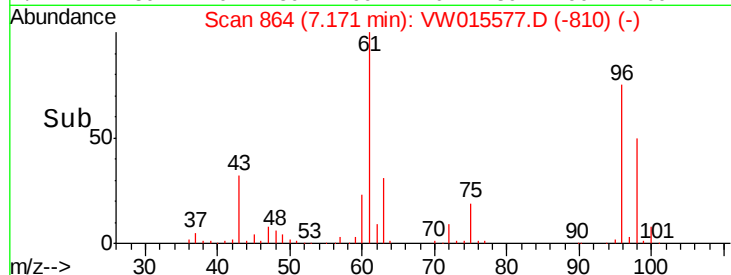
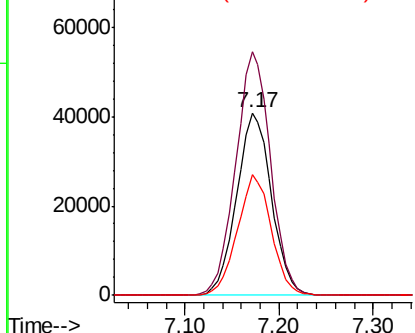
cis-1,2-Dichloroethene
Concen: 25.341 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015577.D
Acq: 09 Jun 2020 17:07

Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

Tgt Ion: 96 Resp: 105342
Ion Ratio Lower Upper
96 100
61 133.6 93.7 173.9
98 66.6 45.1 83.9



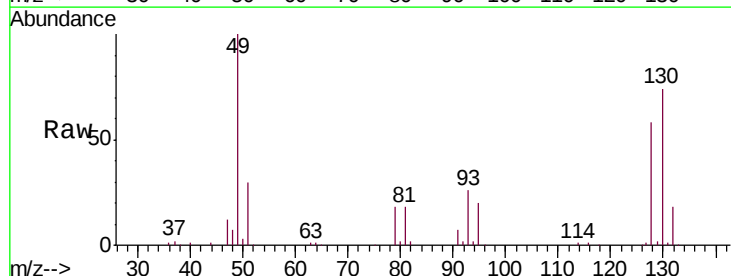
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



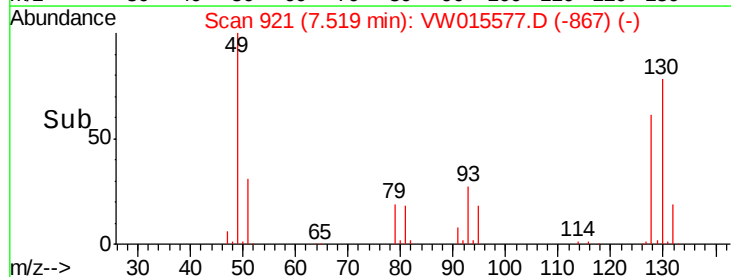
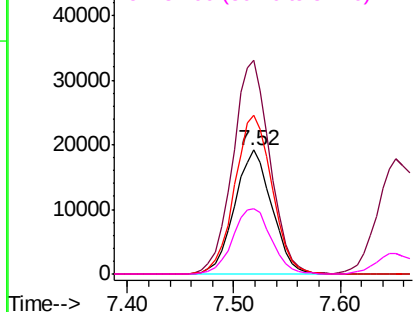
#23

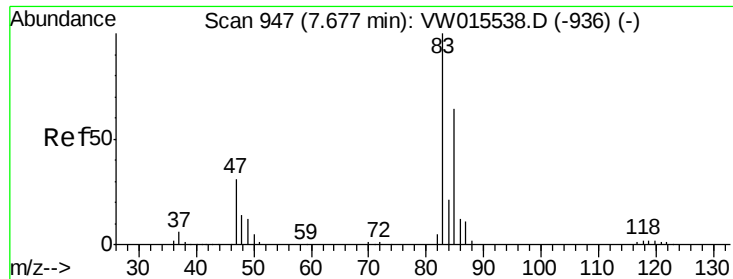
Bromochloromethane
Concen: 26.249 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW015577.D
Acq: 09 Jun 2020 17:07

Tgt Ion: 128 Resp: 47054
Ion Ratio Lower Upper
128 100
49 172.3 118.1 219.3
130 128.3 88.5 164.3
51 52.5 42.8 64.2



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

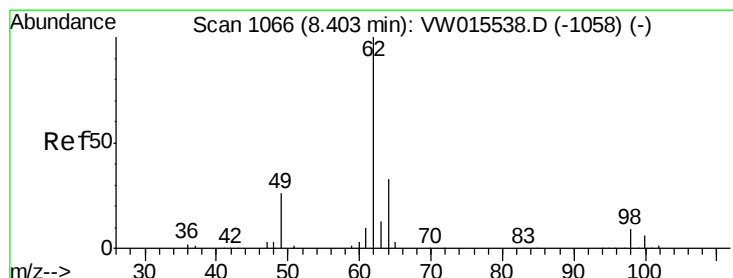
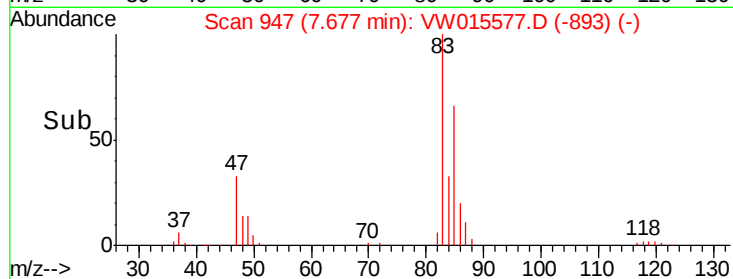
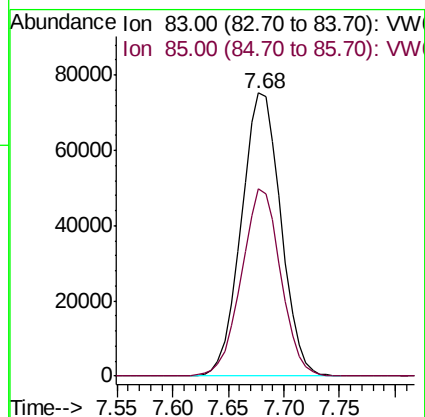
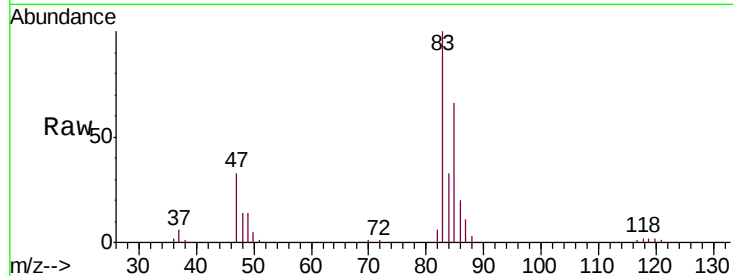




#25
Chloroform
Concen: 25.741 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015577.D
Acq: 09 Jun 2020 17:07

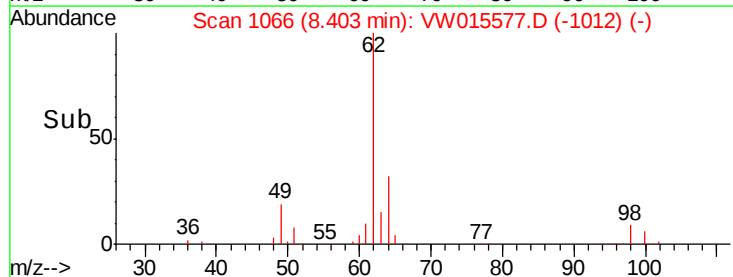
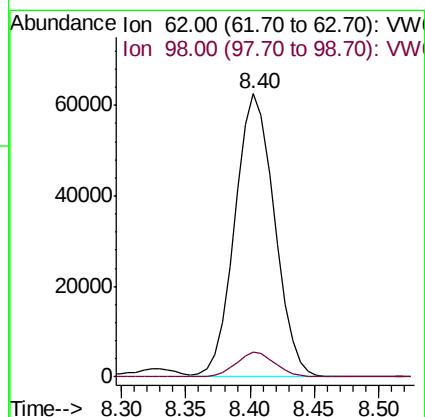
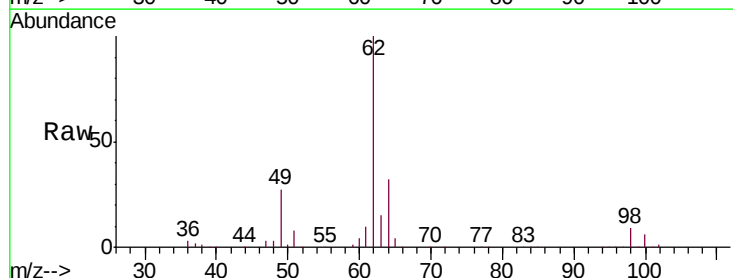
Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

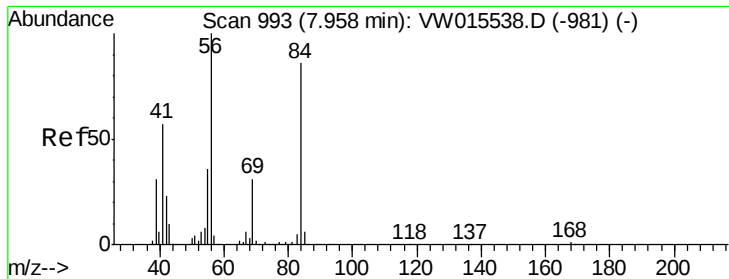
Tgt Ion: 83 Resp: 185775
Ion Ratio Lower Upper
83 100
85 65.7 45.7 84.9



#27
1,2-Dichloroethane
Concen: 27.397 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015577.D
Acq: 09 Jun 2020 17:07

Tgt Ion: 62 Resp: 133762
Ion Ratio Lower Upper
62 100
98 8.7 7.0 10.4

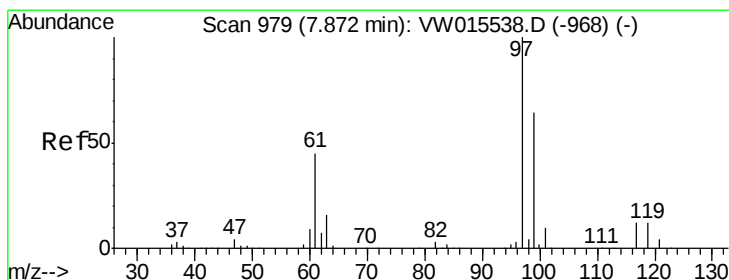
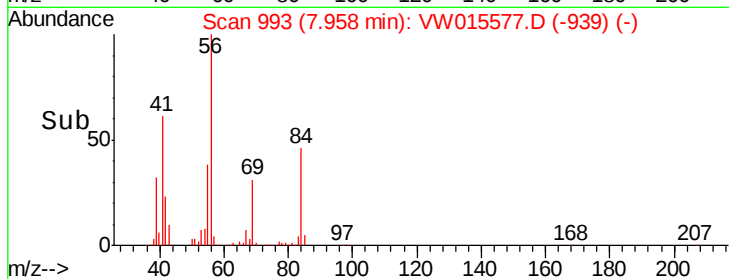
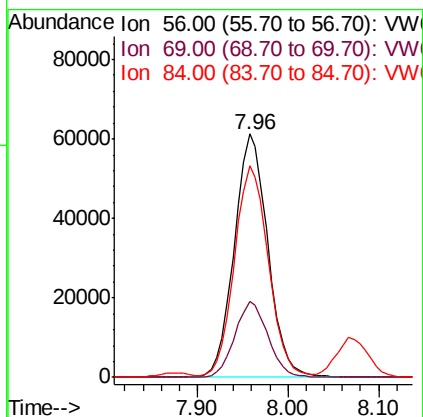
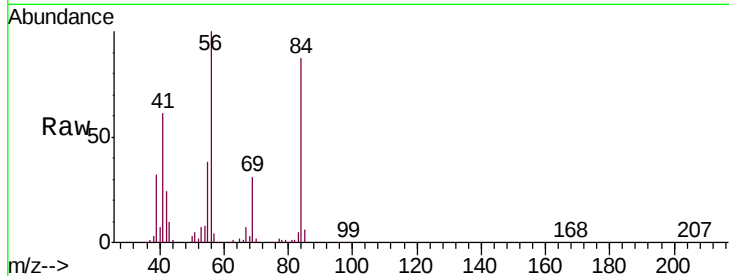




#30
Cyclohexane
Concen: 21.934 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015577.D
Acq: 09 Jun 2020 17:07

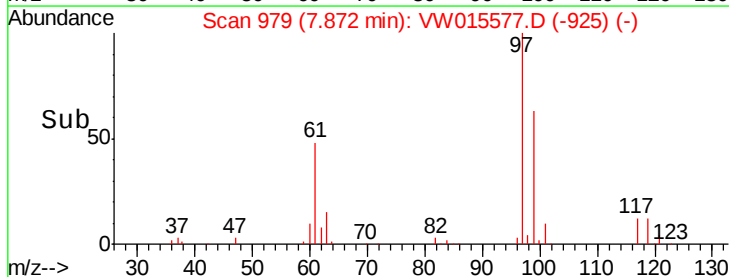
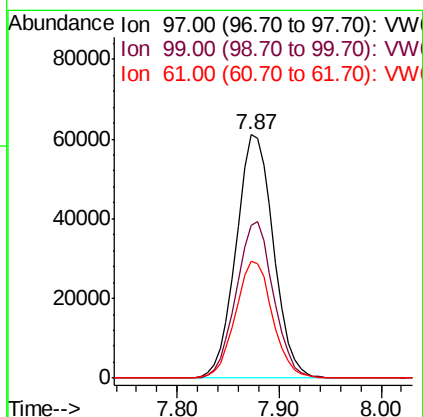
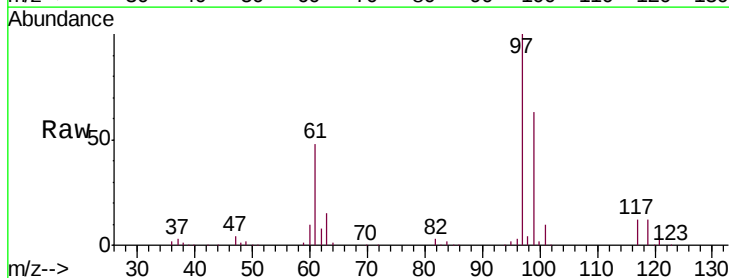
Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

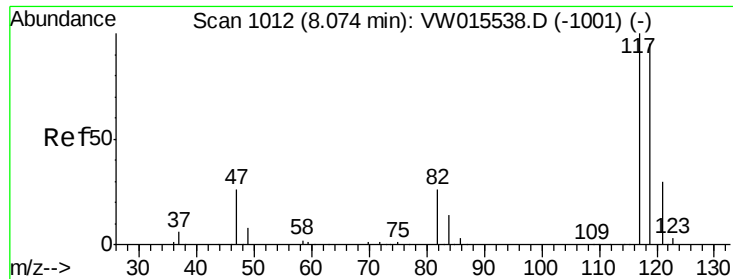
Tgt Ion: 56 Resp: 157269
Ion Ratio Lower Upper
56 100
69 30.7 24.6 37.0
84 88.3 69.6 104.4



#31
1,1,1-Trichloroethane
Concen: 23.964 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015577.D
Acq: 09 Jun 2020 17:07

Tgt Ion: 97 Resp: 155502
Ion Ratio Lower Upper
97 100
99 63.9 51.4 77.0
61 47.7 38.1 57.1





#32

Carbon tetrachloride

Concen: 23.764 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW015577.D

Acq: 09 Jun 2020 17:07

Instrument :

MSVOA_W

ClientSampleId :

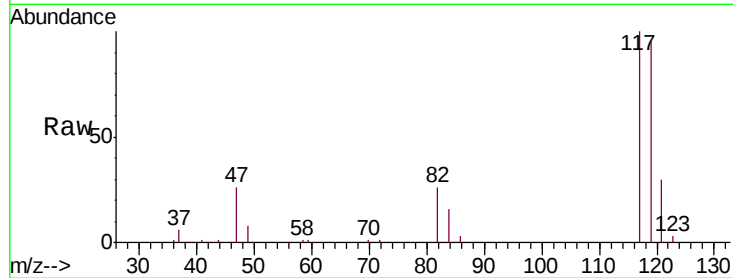
VSTD02526

Tgt Ion:117 Resp: 141434

Ion Ratio Lower Upper

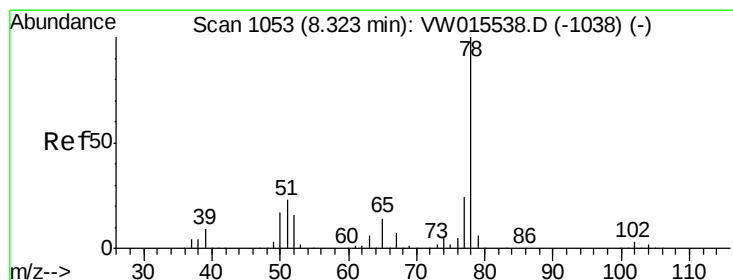
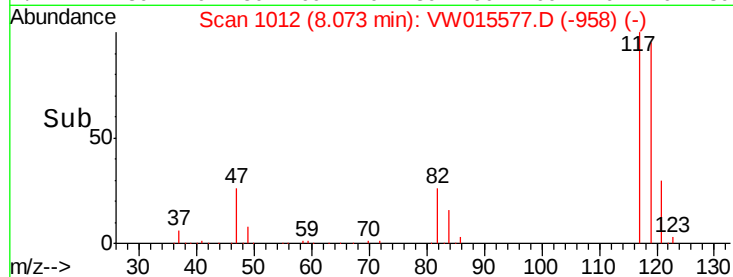
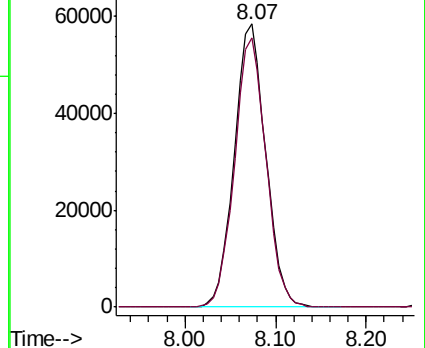
117 100

119 94.8 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.037 ug/L

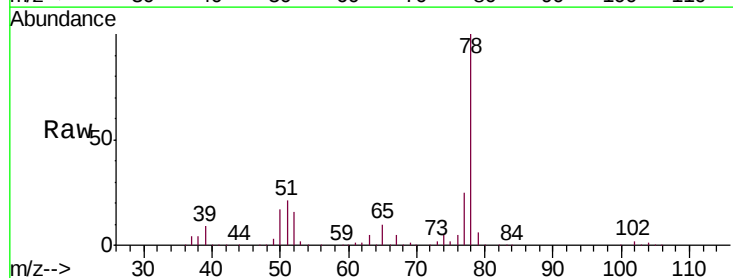
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

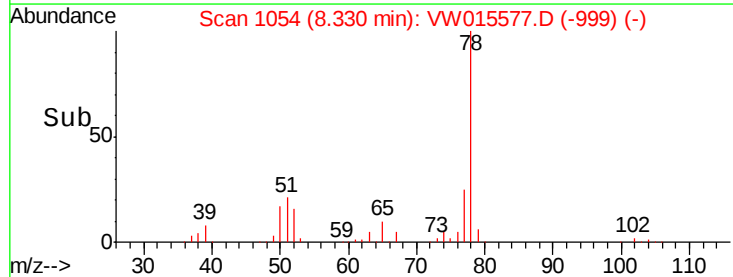
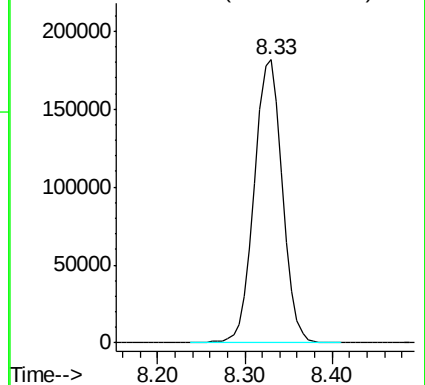
Lab File: VW015577.D

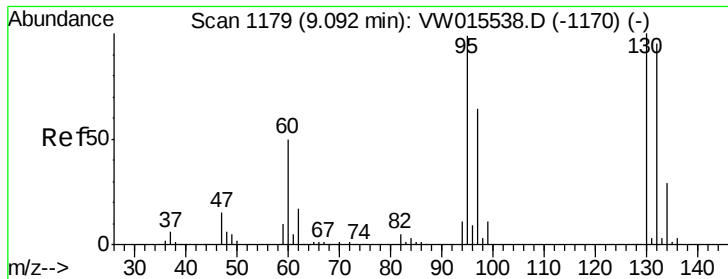
Acq: 09 Jun 2020 17:07

Tgt Ion: 78 Resp: 406129



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.383 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015577.D

Acq: 09 Jun 2020 17:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

Tgt Ion: 95 Resp: 106243

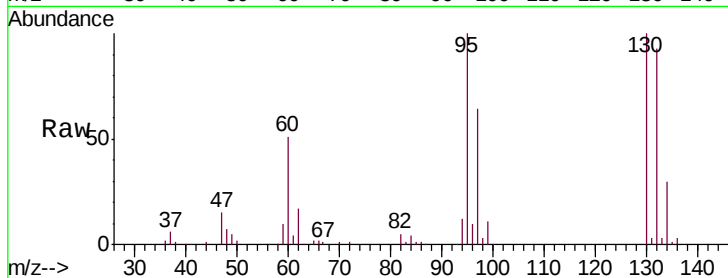
Ion Ratio Lower Upper

95 100

97 64.4 45.4 84.2

132 96.5 67.1 124.7

130 100.3 69.4 128.8

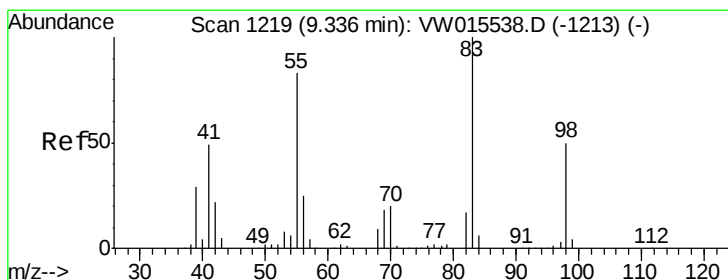
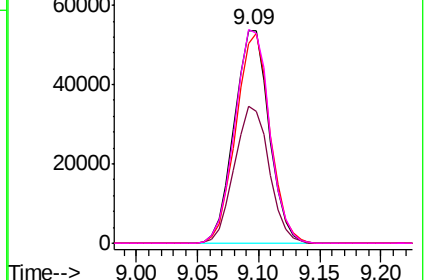
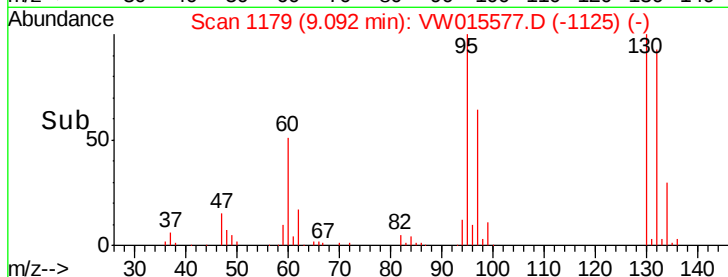


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 22.853 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW015577.D

Acq: 09 Jun 2020 17:07

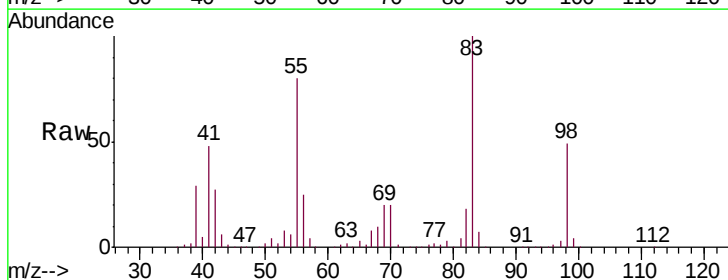
Tgt Ion: 83 Resp: 177592

Ion Ratio Lower Upper

83 100

55 78.1 62.8 94.2

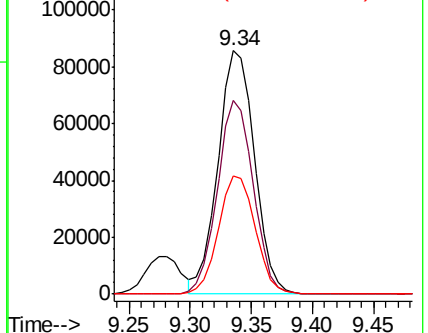
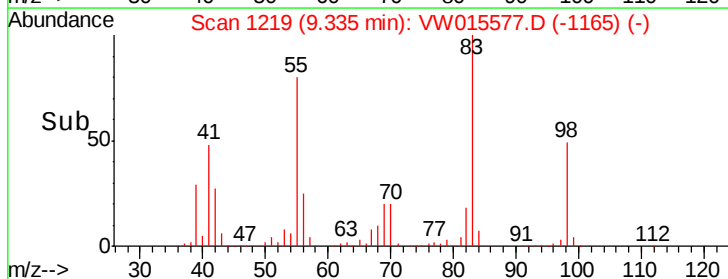
98 49.1 39.2 58.8

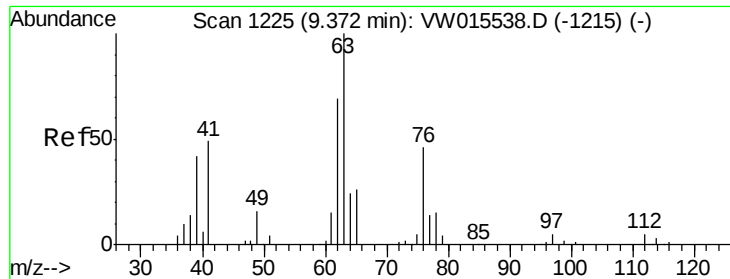


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

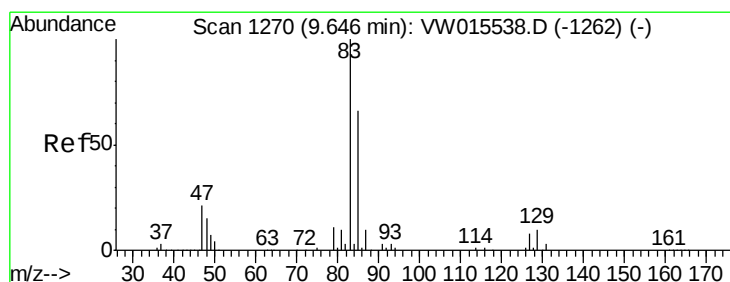
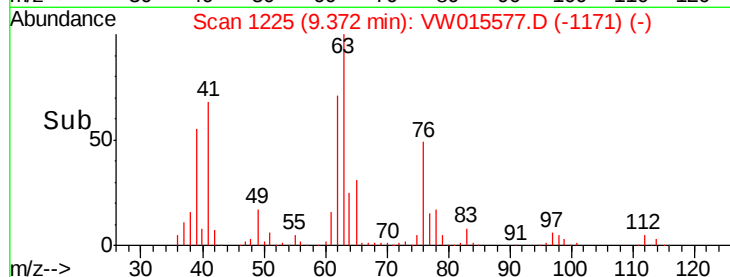
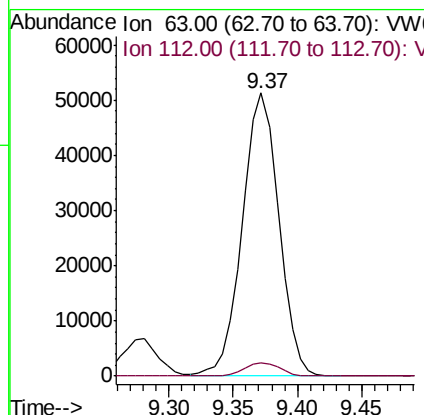
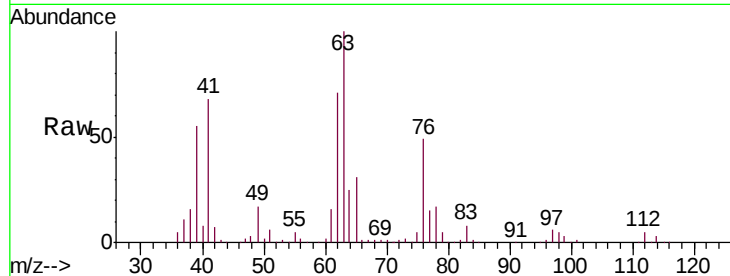




#40
 1,2-Dichloropropane
 Concen: 25.272 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015577.D
 Acq: 09 Jun 2020 17:07

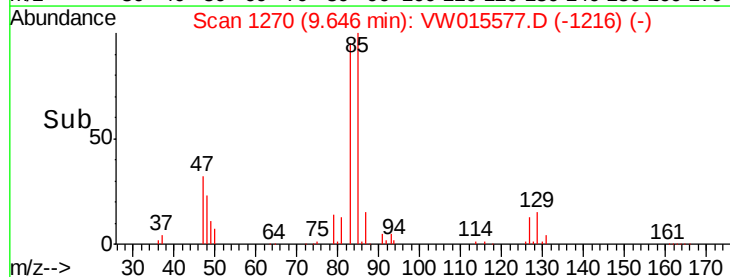
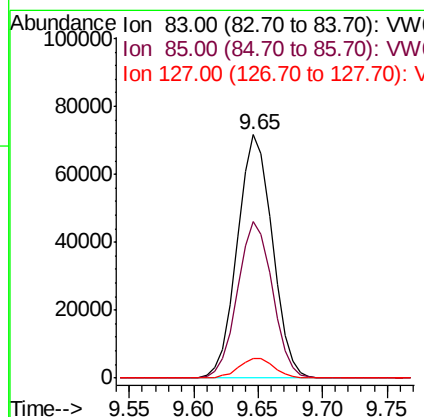
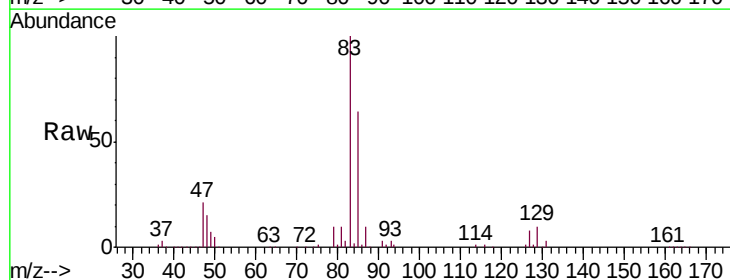
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

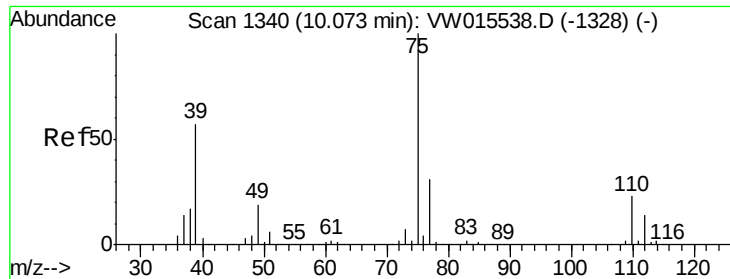
Tgt Ion: 63 Resp: 100953
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.8 5.8



#41
 Bromodichloromethane
 Concen: 25.315 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW015577.D
 Acq: 09 Jun 2020 17:07

Tgt Ion: 83 Resp: 135096
 Ion Ratio Lower Upper
 83 100
 85 64.4 44.8 83.2
 127 8.0 7.0 10.6

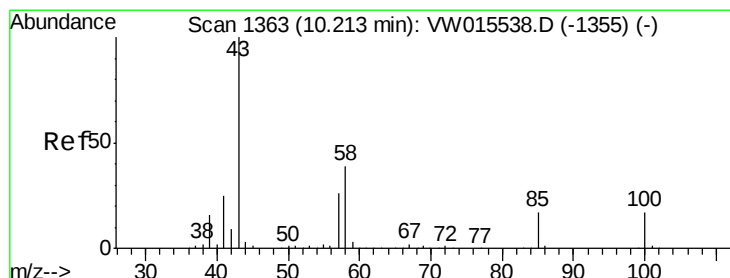
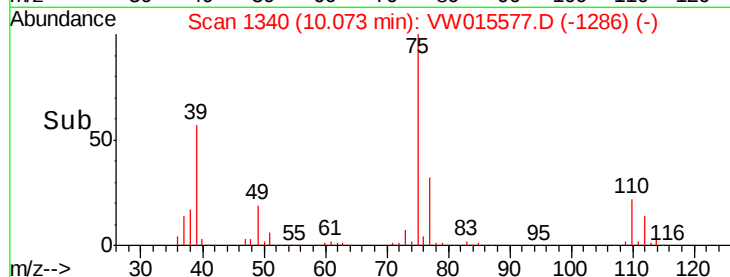
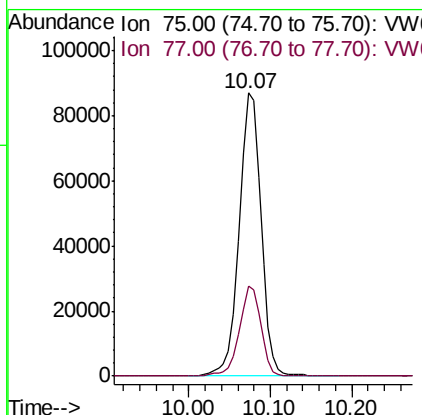
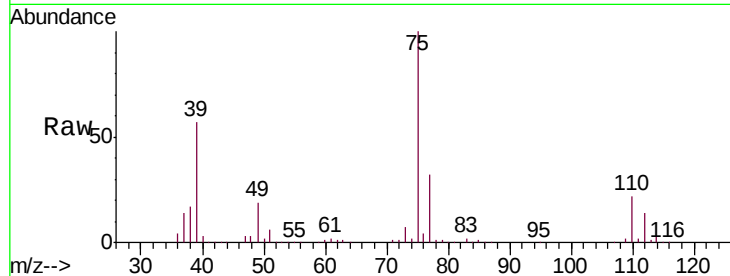




#42
 cis-1,3-Dichloropropene
 Concen: 25.214 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015577.D
 Acq: 09 Jun 2020 17:07

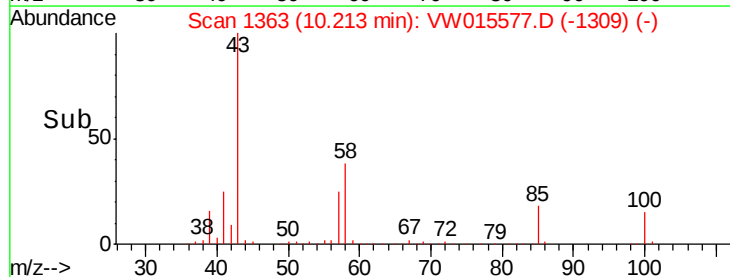
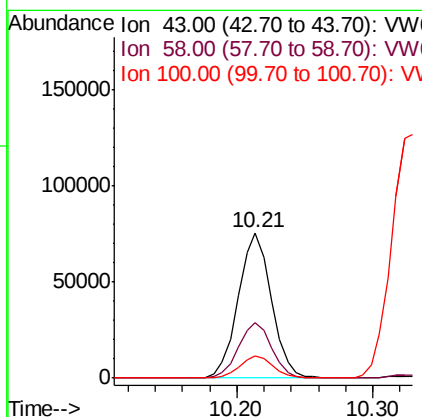
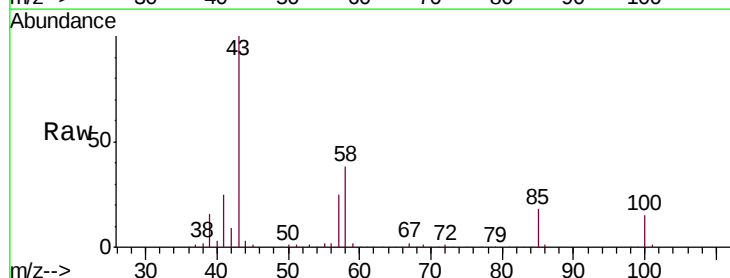
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

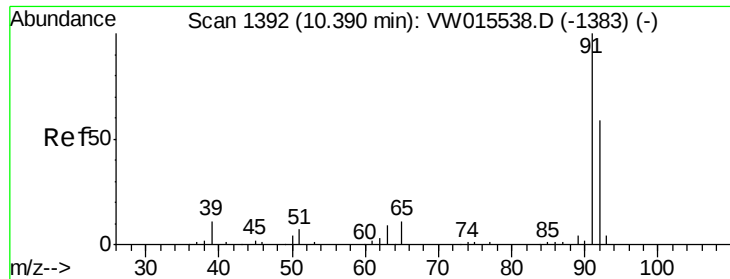
Tgt Ion: 75 Resp: 161174
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.3 41.5



#43
 4-Methyl-2-pentanone
 Concen: 55.050 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW015577.D
 Acq: 09 Jun 2020 17:07

Tgt Ion: 43 Resp: 128903
 Ion Ratio Lower Upper
 43 100
 58 38.1 30.6 46.0
 100 15.6 12.5 18.7





#44

Toluene

Concen: 24.977 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015577.D

Acq: 09 Jun 2020 17:07

Instrument :

MSVOA_W

ClientSampleId :

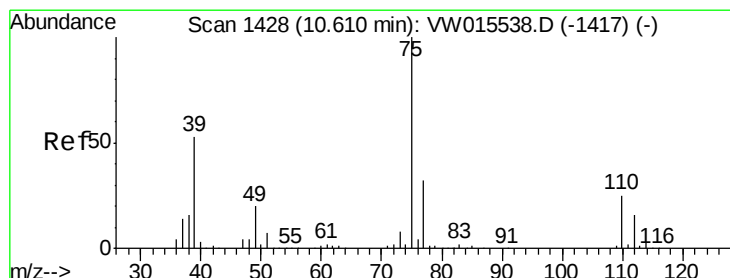
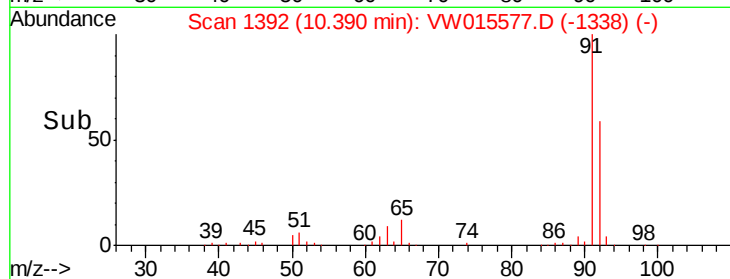
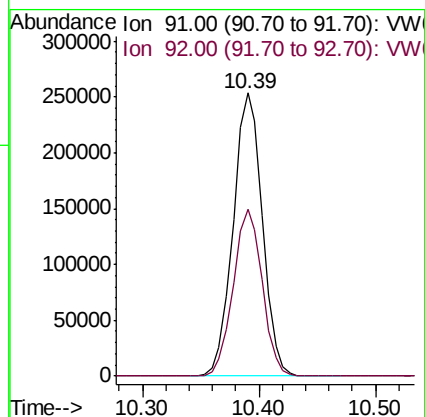
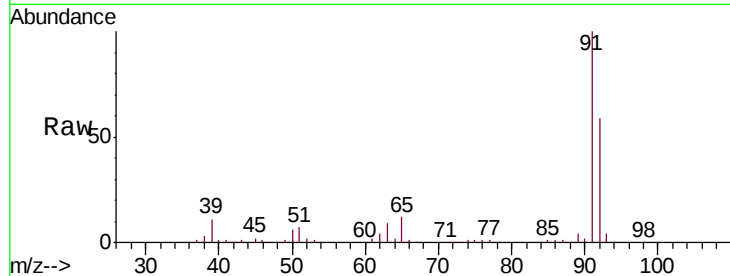
VSTD02526

Tgt Ion: 91 Resp: 441416

Ion Ratio Lower Upper

91 100

92 58.8 41.7 77.5



#45

trans-1,3-Dichloropropene

Concen: 25.528 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW015577.D

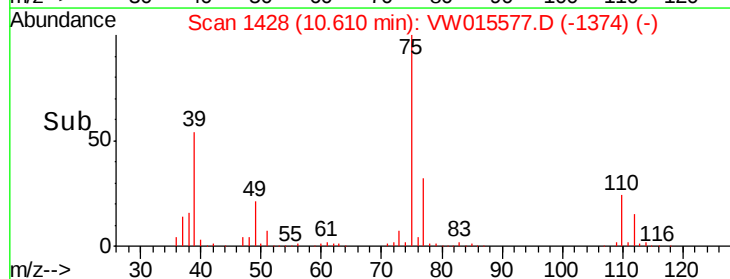
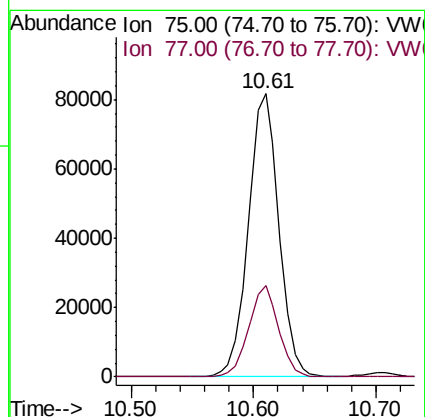
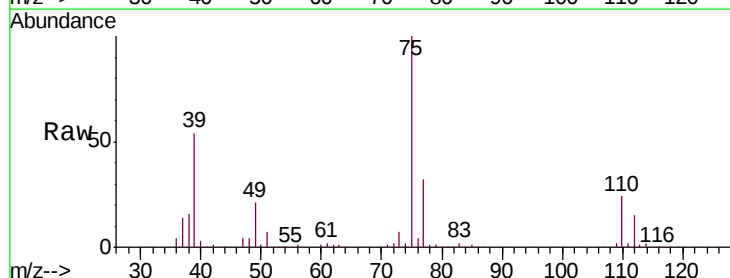
Acq: 09 Jun 2020 17:07

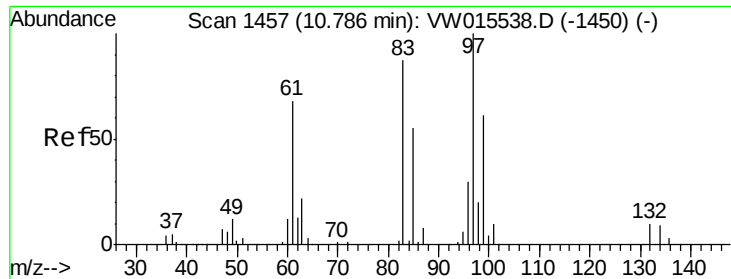
Tgt Ion: 75 Resp: 142011

Ion Ratio Lower Upper

75 100

77 32.1 21.5 39.9





#46

1,1,2-Trichloroethane

Concen: 27.351 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015577.D

Acq: 09 Jun 2020 17:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

Tgt Ion: 97 Resp: 76437

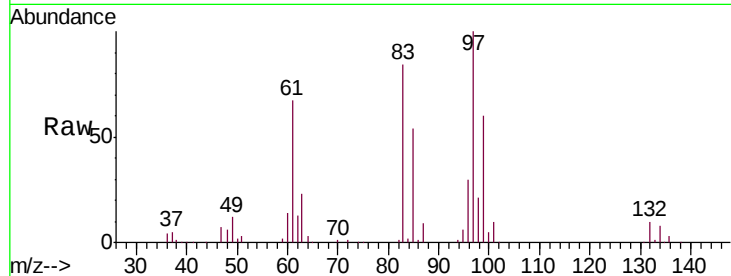
Ion Ratio Lower Upper

97 100

83 84.2 58.2 108.2

85 54.3 37.4 69.4

99 60.3 43.7 81.1



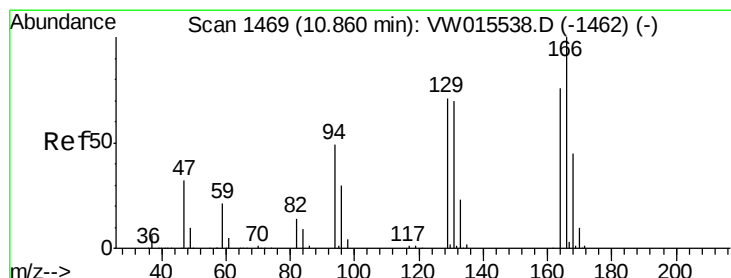
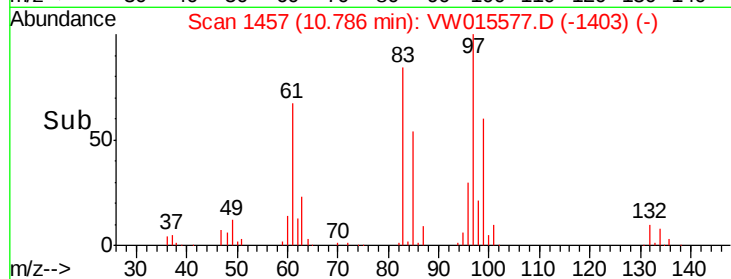
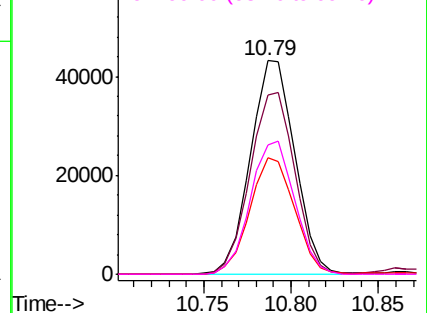
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 24.400 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW015577.D

Acq: 09 Jun 2020 17:07

Tgt Ion: 164 Resp: 84276

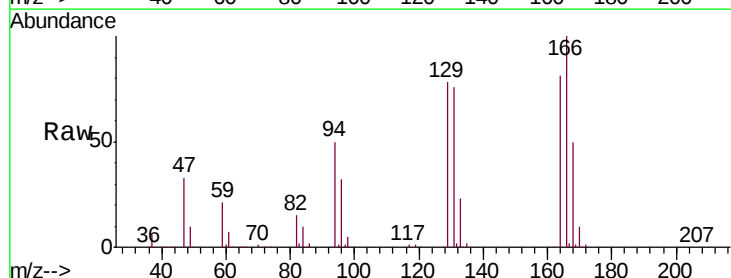
Ion Ratio Lower Upper

164 100

129 96.3 66.3 123.1

131 92.9 65.1 120.9

166 122.9 90.8 168.6



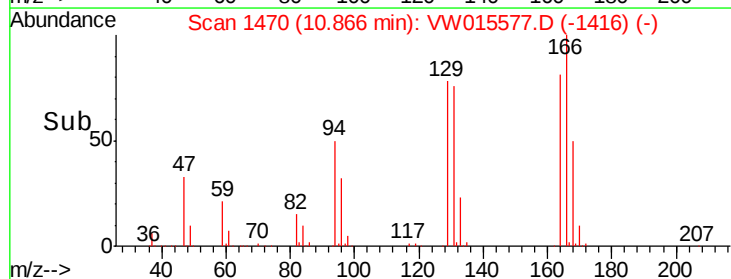
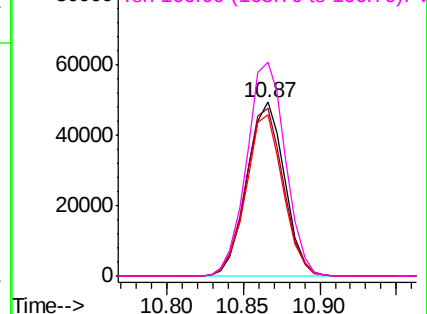
Abundance

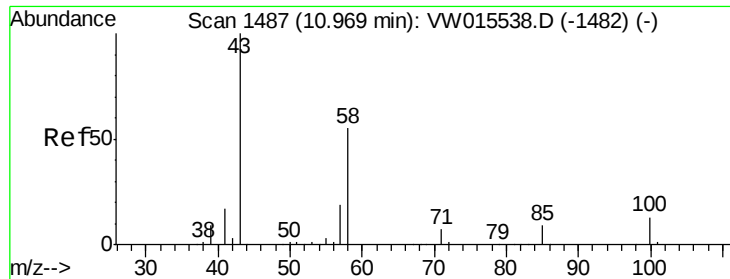
Ion 164.00 (163.70 to 164.70): V

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

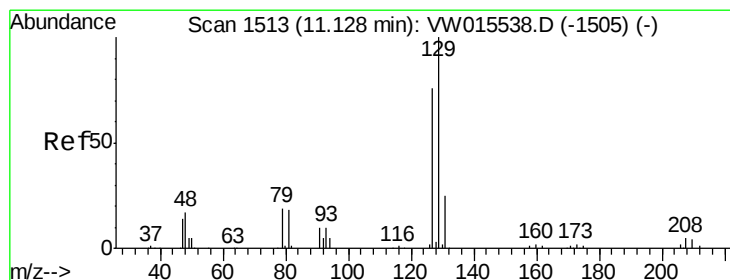
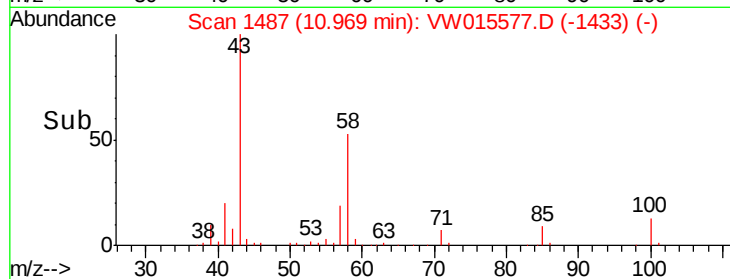
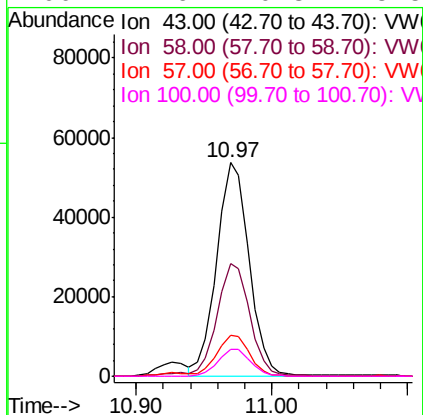
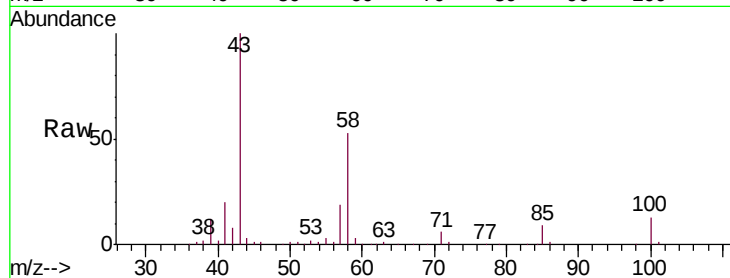




#49
2-Hexanone
Concen: 56.638 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015577.D
Acq: 09 Jun 2020 17:07

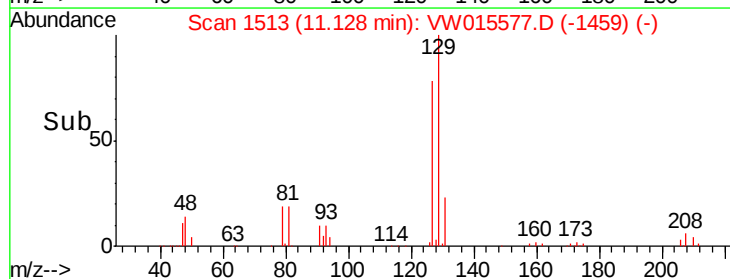
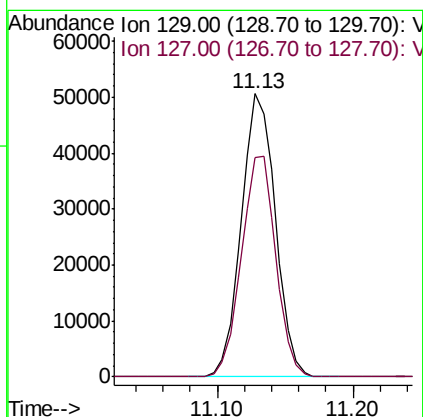
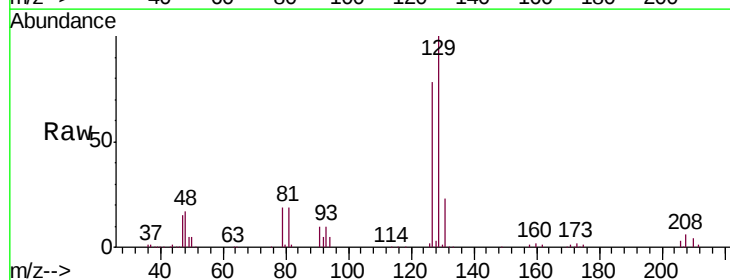
Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

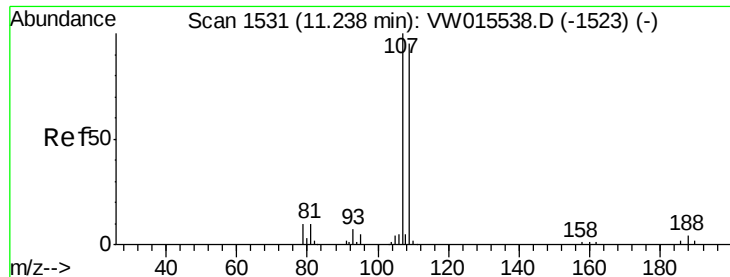
Tgt Ion: 43 Resp: 89517
Ion Ratio Lower Upper
43 100
58 52.7 42.6 64.0
57 19.6 15.5 23.3
100 12.6 10.3 15.5



#50
Dibromochloromethane
Concen: 26.209 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015577.D
Acq: 09 Jun 2020 17:07

Tgt Ion: 129 Resp: 88989
Ion Ratio Lower Upper
129 100
127 77.7 53.0 98.4

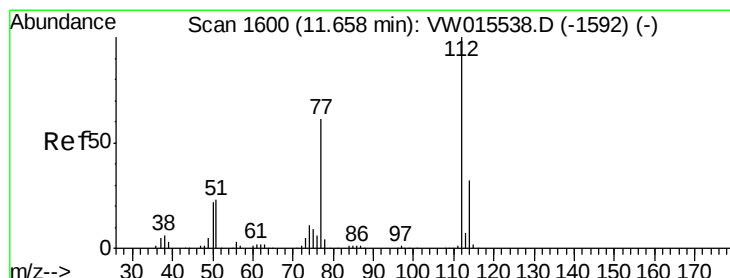
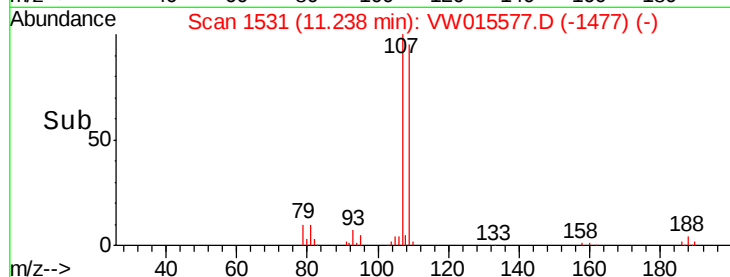
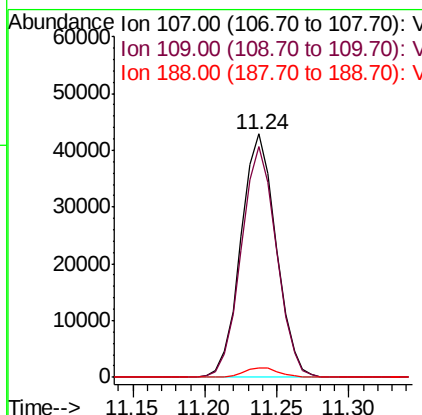
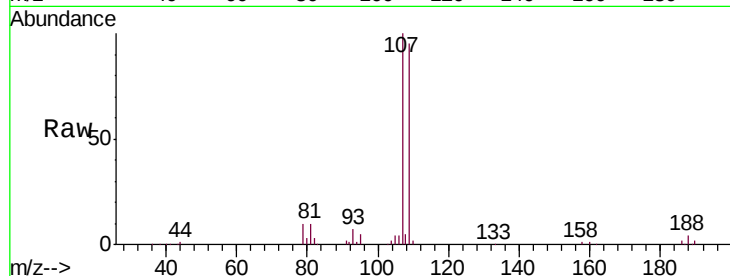




#51
1,2-Dibromoethane
Concen: 27.174 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW015577.D
Acq: 09 Jun 2020 17:07

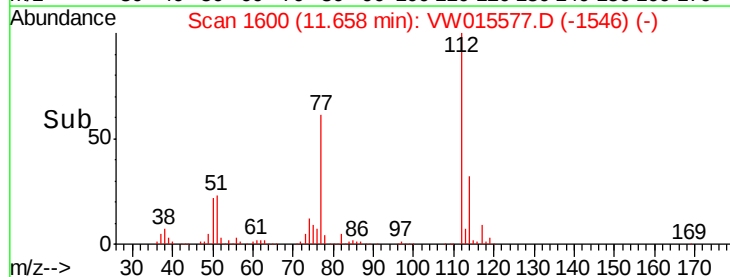
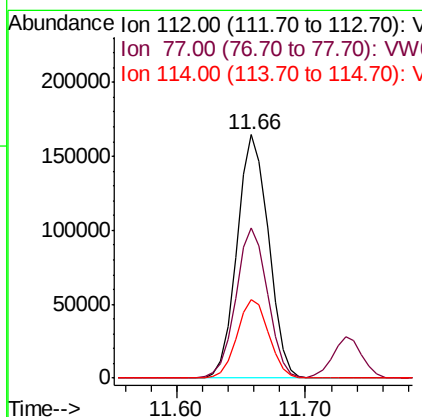
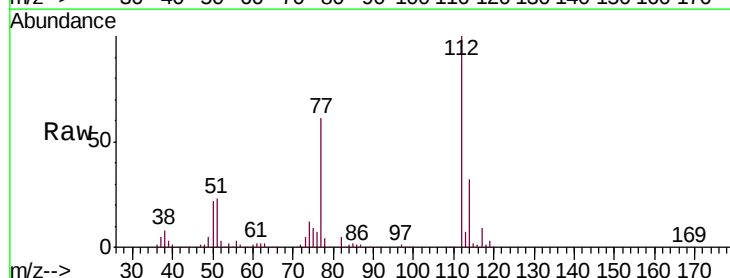
Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

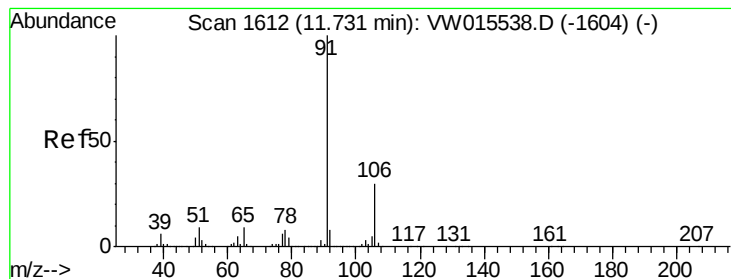
Tgt Ion:107 Resp: 72906
Ion Ratio Lower Upper
107 100
109 94.6 64.6 120.0
188 4.1 2.8 4.2



#52
Chlorobenzene
Concen: 25.145 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015577.D
Acq: 09 Jun 2020 17:07

Tgt Ion:112 Resp: 278728
Ion Ratio Lower Upper
112 100
77 61.5 49.7 74.5
114 32.4 21.8 40.6





#53

Ethylbenzene

Concen: 24.722 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015577.D

Acq: 09 Jun 2020 17:07

Instrument :

MSVOA_W

ClientSampleId :

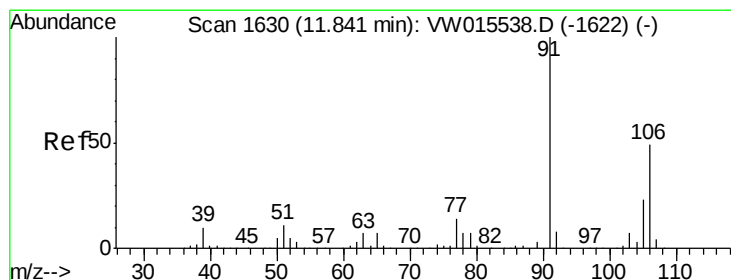
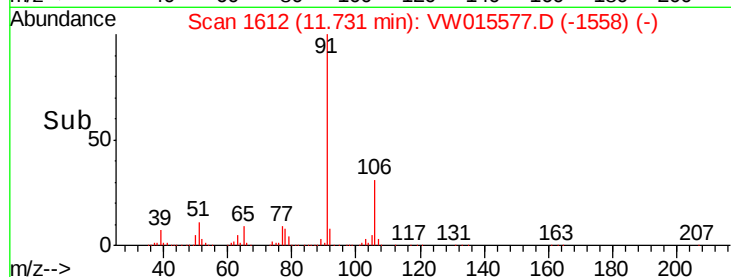
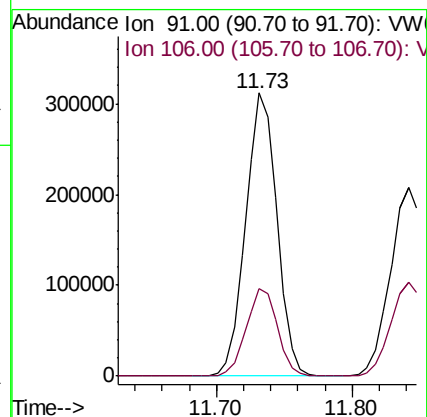
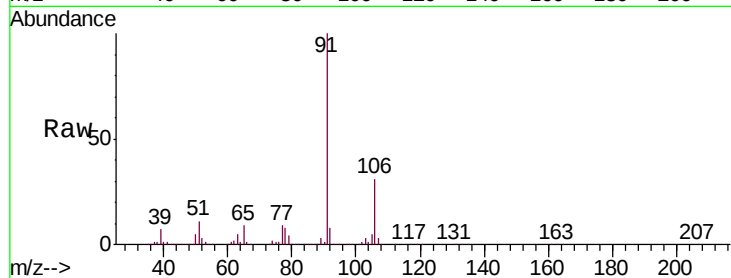
VSTD02526

Tgt Ion: 91 Resp: 501679

Ion Ratio Lower Upper

91 100

106 31.1 21.3 39.6



#54

m,p-Xylene

Concen: 24.988 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW015577.D

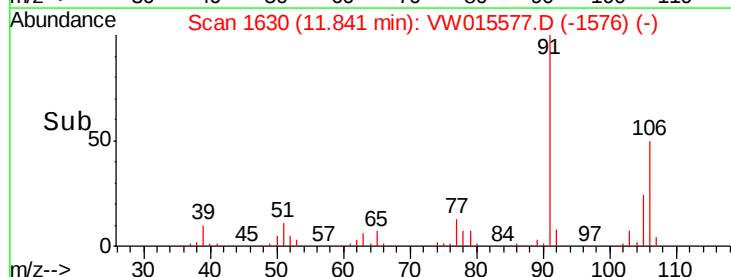
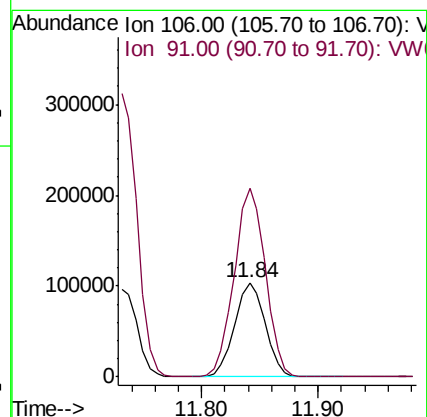
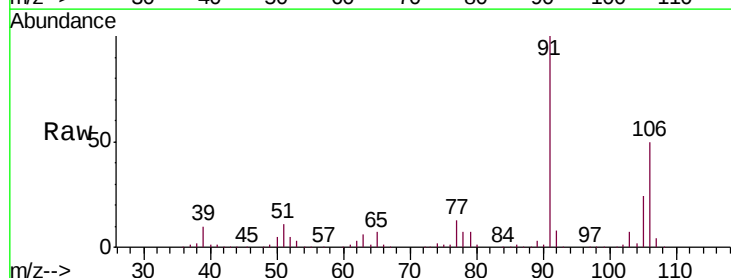
Acq: 09 Jun 2020 17:07

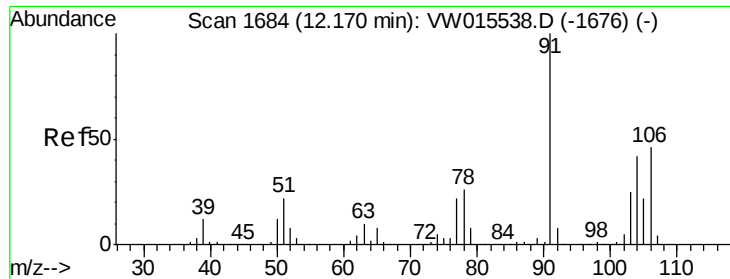
Tgt Ion: 106 Resp: 190275

Ion Ratio Lower Upper

106 100

91 199.4 142.6 264.8

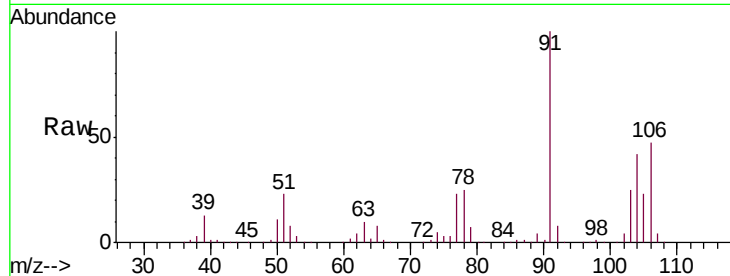




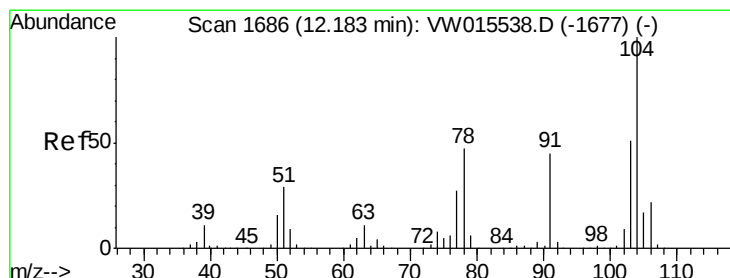
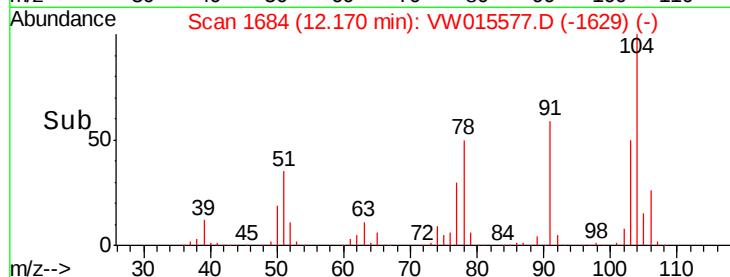
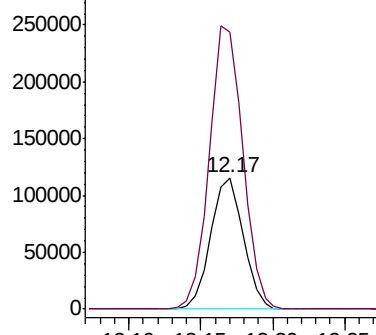
#55
o-xylene
Concen: 25.178 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW015577.D
Acq: 09 Jun 2020 17:07

Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

Tgt Ion:106 Resp: 181987
Ion Ratio Lower Upper
106 100
91 211.2 149.0 276.6

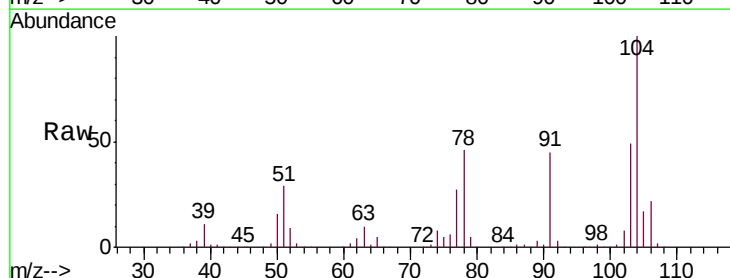


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

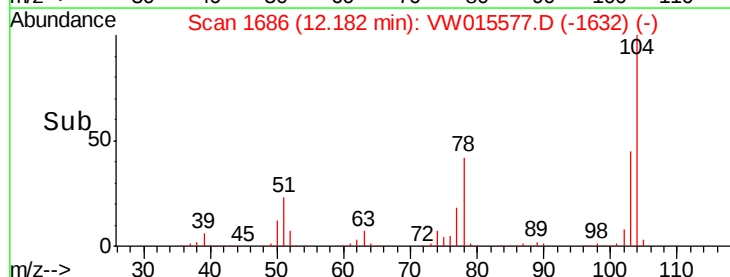
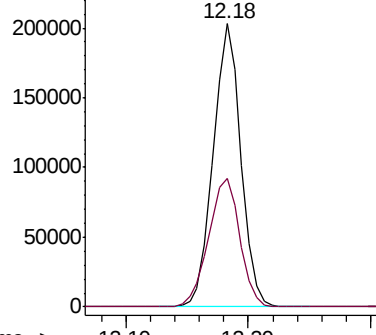


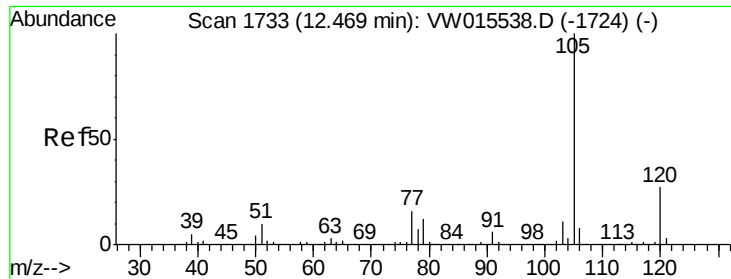
#56
Styrene
Concen: 25.764 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015577.D
Acq: 09 Jun 2020 17:07

Tgt Ion:104 Resp: 318198
Ion Ratio Lower Upper
104 100
78 45.6 32.9 61.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 24.789 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW015577.D

Acq: 09 Jun 2020 17:07

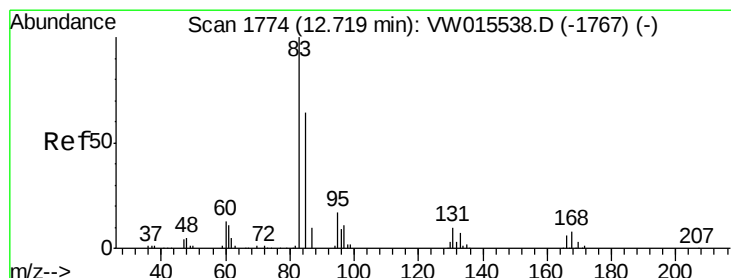
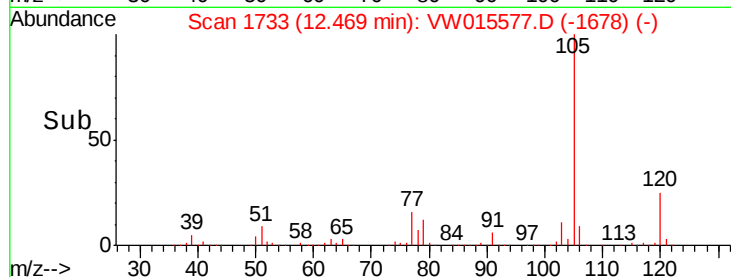
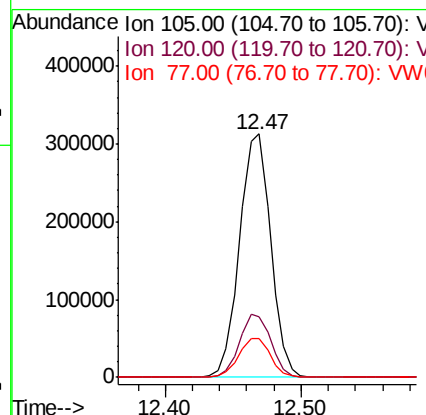
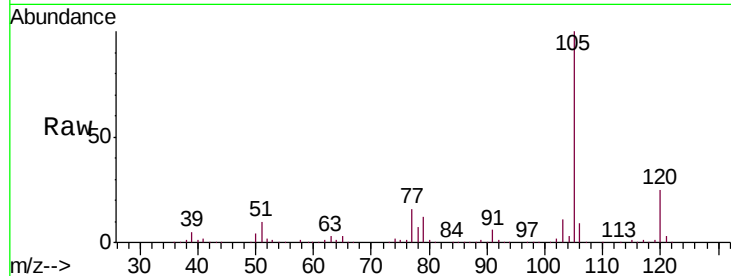
Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

Tgt Ion:	105	Resp:	499105
Ion	Ratio	Lower	Upper
105	100		
120	26.0	21.0	31.4
77	16.4	13.0	19.6



#58

1,1,2,2-Tetrachloroethane

Concen: 28.685 ug/L

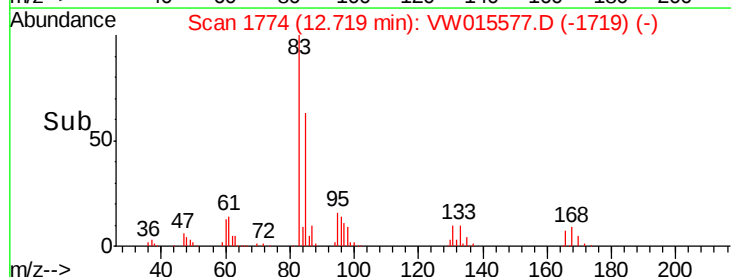
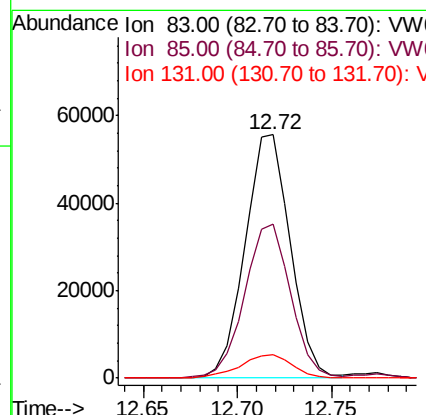
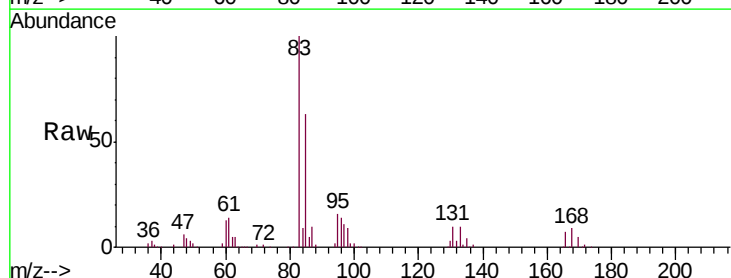
RT: 12.72 min Scan# 1774

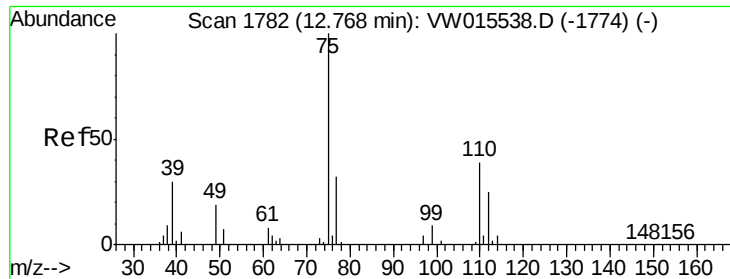
Delta R.T. 0.01 min

Lab File: VW015577.D

Acq: 09 Jun 2020 17:07

Tgt Ion:	83	Resp:	92809
Ion	Ratio	Lower	Upper
83	100		
85	63.3	44.7	82.9
131	9.9	9.1	13.7

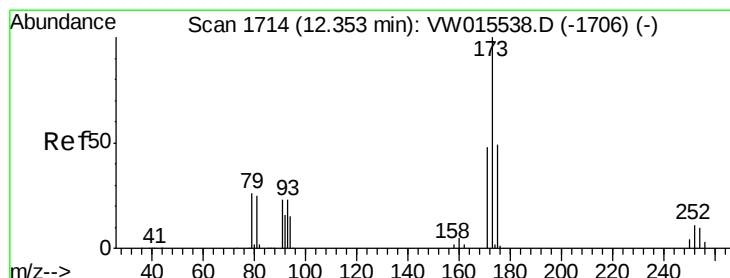
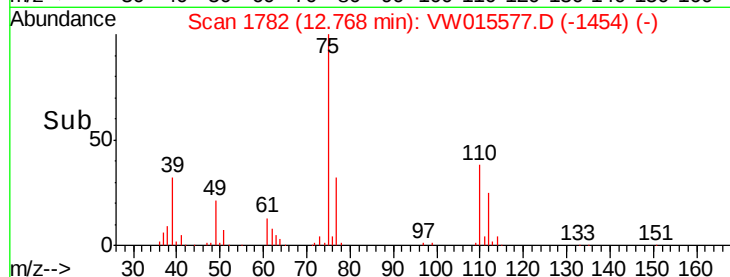
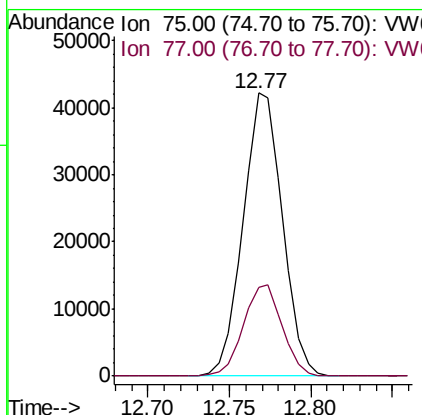
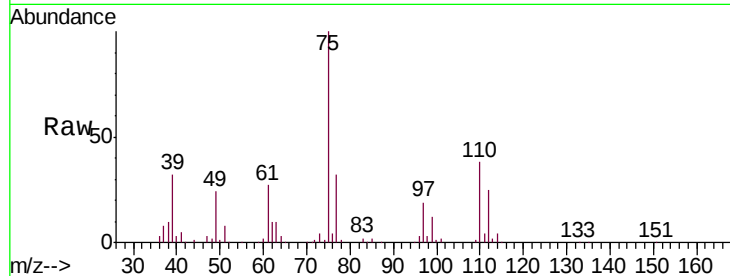




#59
 1,2,3-Trichloropropane
 Concen: 28.806 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW015577.D
 Acq: 09 Jun 2020 17:07

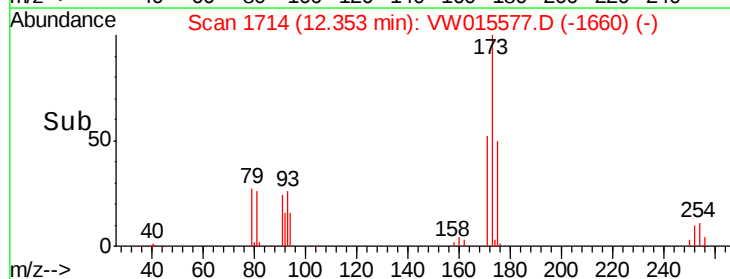
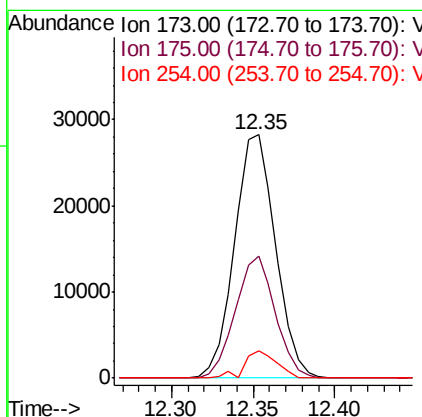
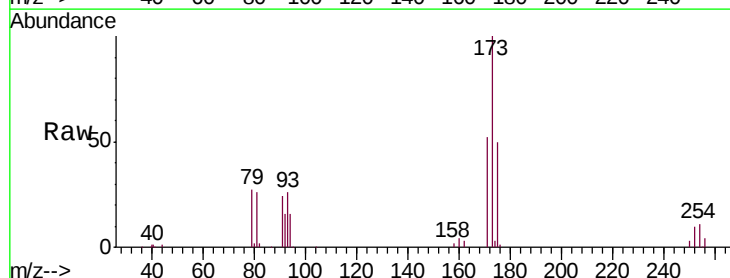
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

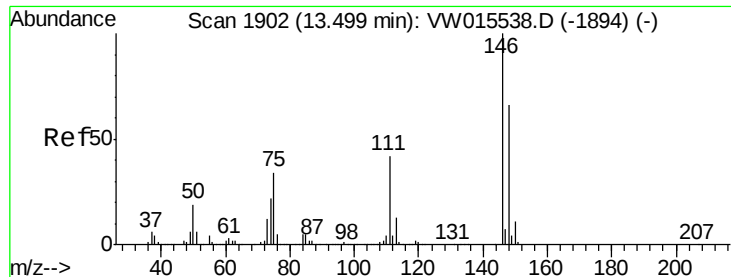
Tgt Ion: 75 Resp: 70667
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.9 38.9



#62
 Bromoform
 Concen: 25.288 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW015577.D
 Acq: 09 Jun 2020 17:07

Tgt Ion: 173 Resp: 49444
 Ion Ratio Lower Upper
 173 100
 175 48.7 37.9 56.9
 254 8.1 6.8 10.2

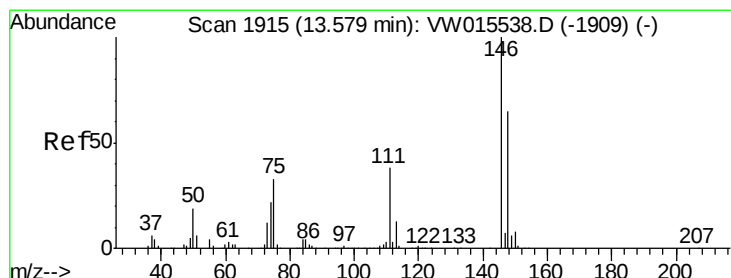
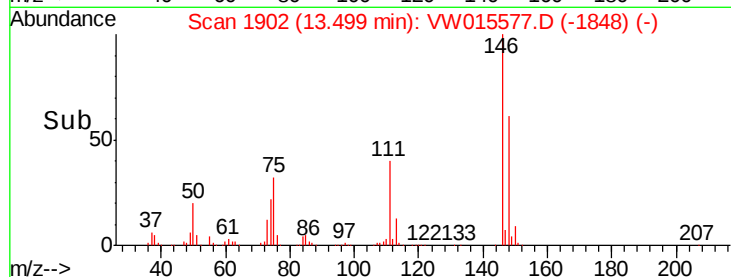
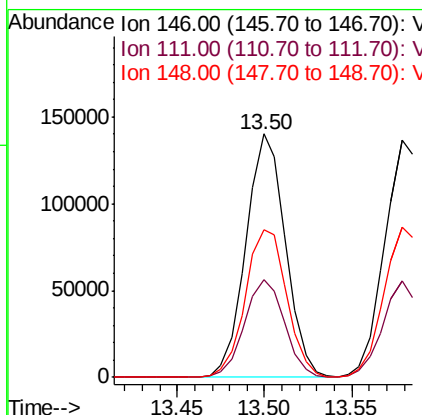
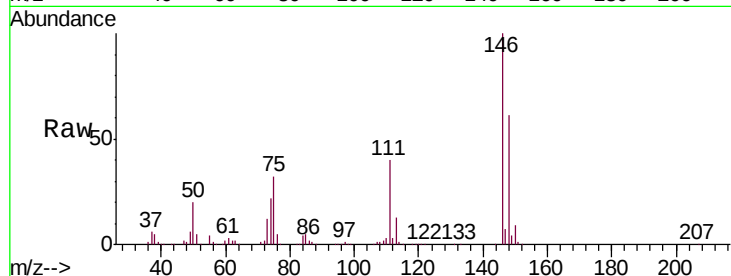




#63
 1,3-Dichlorobenzene
 Concen: 25.788 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015577.D
 Acq: 09 Jun 2020 17:07

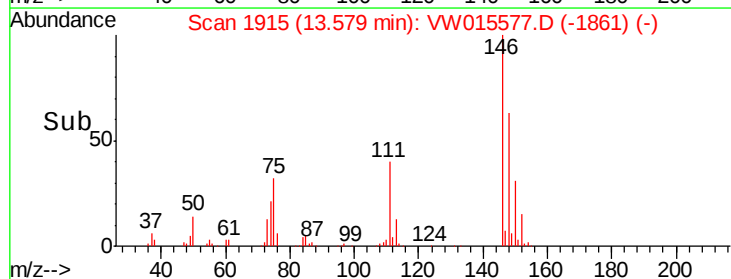
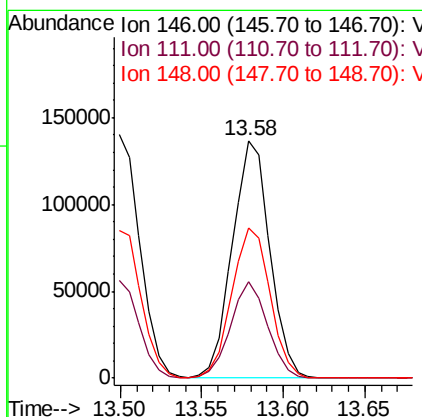
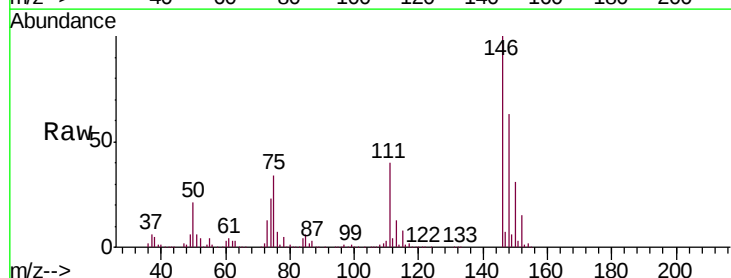
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

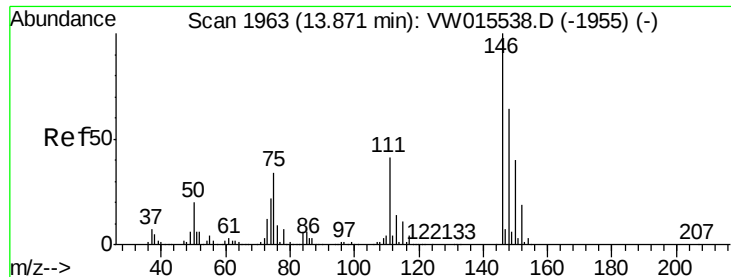
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	29.3	54.5
148	60.6	42.5	78.9



#64
 1,4-Dichlorobenzene
 Concen: 26.031 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015577.D
 Acq: 09 Jun 2020 17:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	28.1	52.1
148	63.2	43.3	80.3

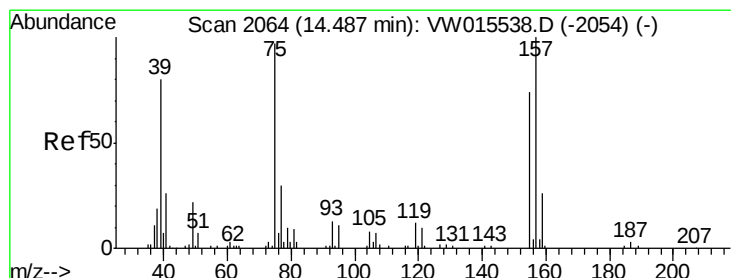
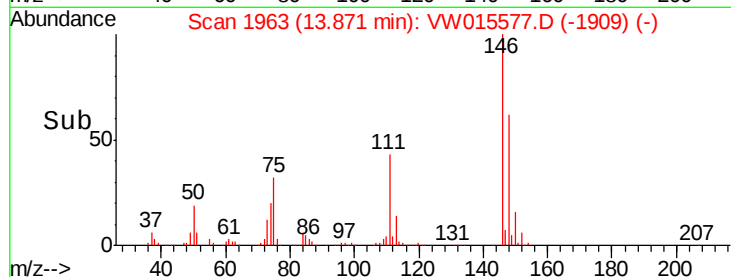
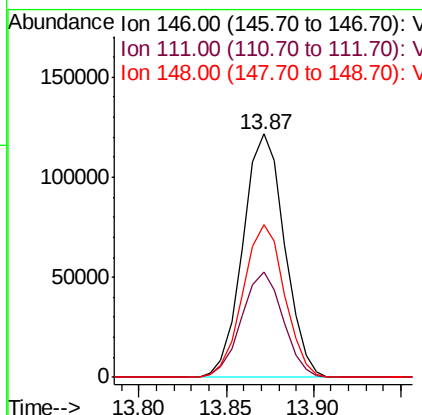
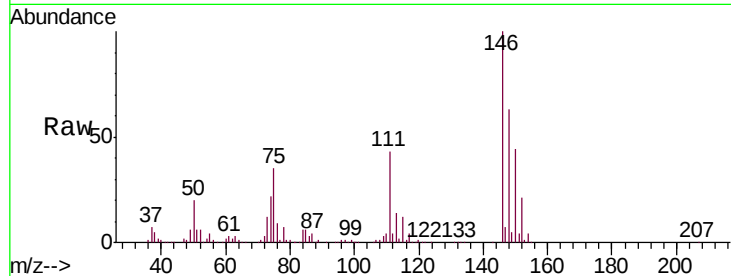




#65
 1,2-Dichlorobenzene
 Concen: 27.006 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015577.D
 Acq: 09 Jun 2020 17:07

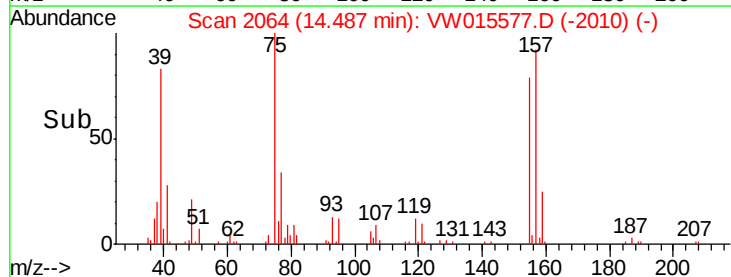
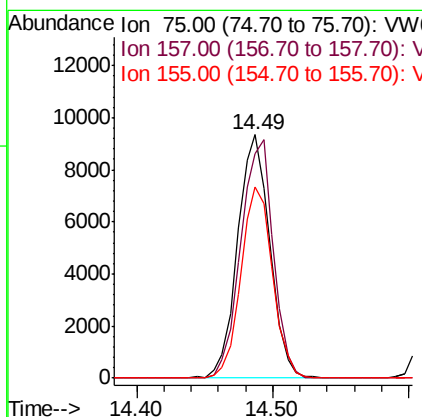
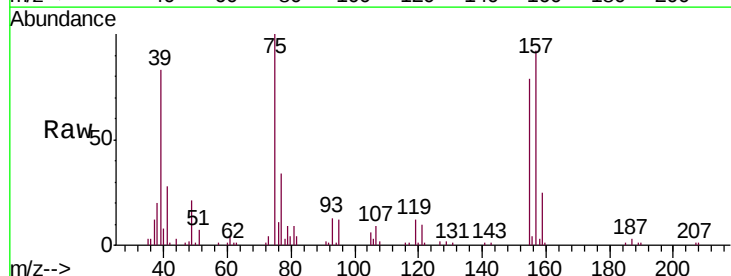
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

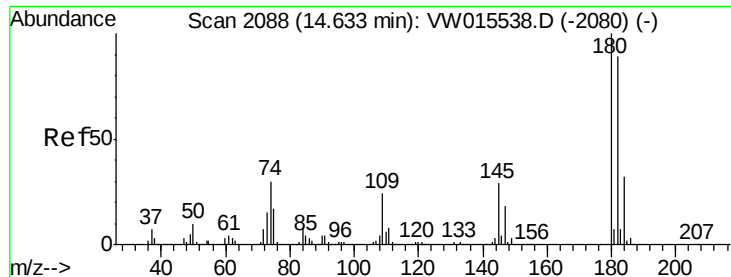
Tgt Ion: 146 Resp: 201518
 Ion Ratio Lower Upper
 146 100
 111 43.2 34.9 52.3
 148 62.6 51.8 77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 27.232 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015577.D
 Acq: 09 Jun 2020 17:07

Tgt Ion: 75 Resp: 15415
 Ion Ratio Lower Upper
 75 100
 157 91.9 87.4 131.0
 155 78.7 64.6 96.8

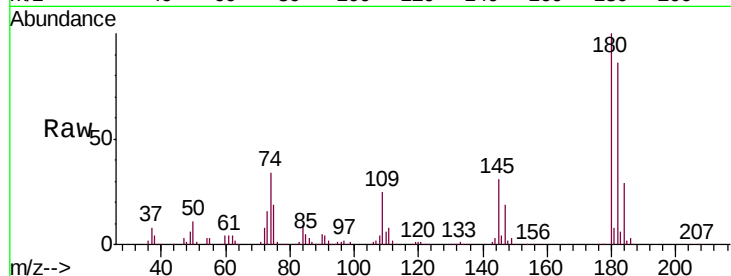




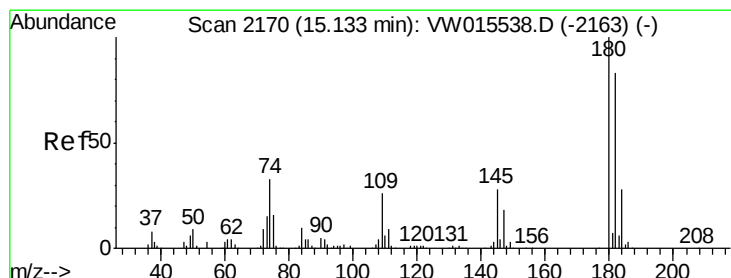
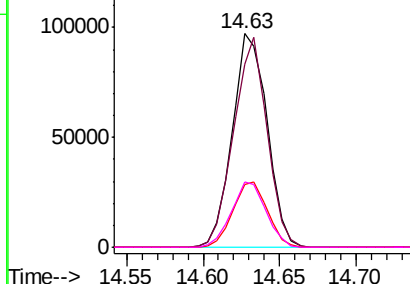
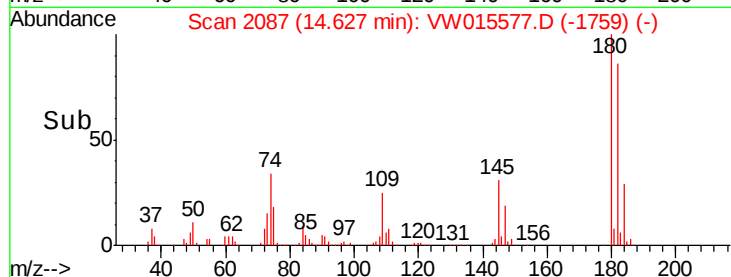
#67
 1,3,5-Trichlorobenzene
 Concen: 25.886 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW015577.D
 Acq: 09 Jun 2020 17:07

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTD02526

Tgt Ion:	180	Resp:	153891
Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.6	114.8
184	30.2	24.4	36.6
145	30.4	24.0	36.0

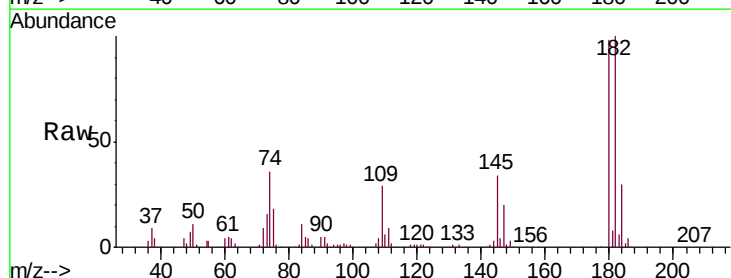


Abundance Ion 180.00 (179.70 to 180.70): V
 150000 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

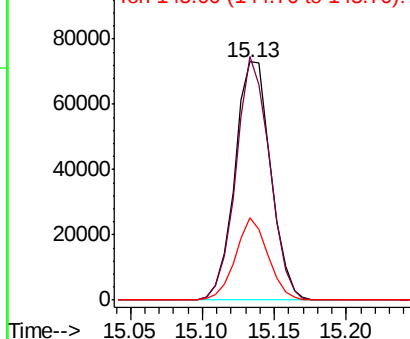
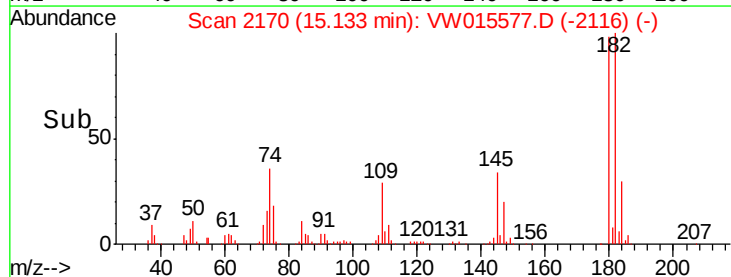


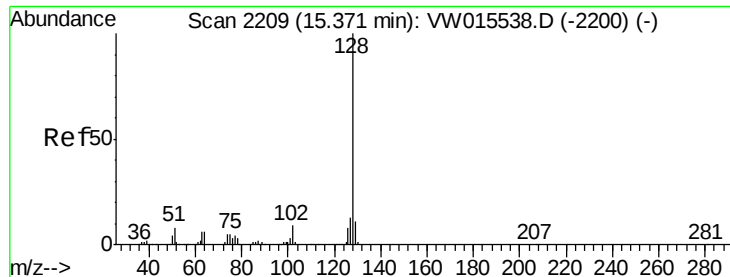
#68
 1,2,4-trichlorobenzene
 Concen: 26.465 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015577.D
 Acq: 09 Jun 2020 17:07

Tgt Ion:	180	Resp:	126718
Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.1	114.1
145	31.5	25.2	37.8



Abundance Ion 180.00 (179.70 to 180.70): V
 100000 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 29.503 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW015577.D

Acq: 09 Jun 2020 17:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

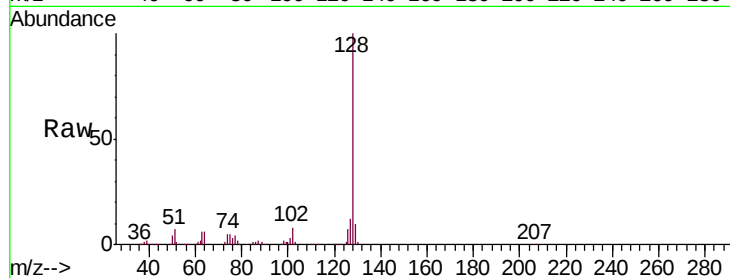
Tgt Ion:128 Resp: 256503

Ion Ratio Lower Upper

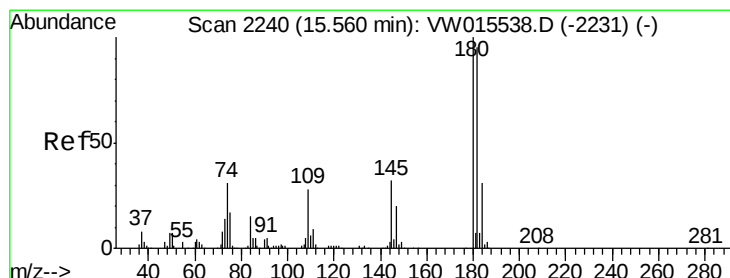
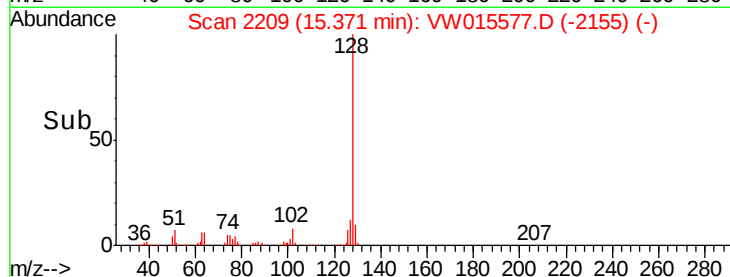
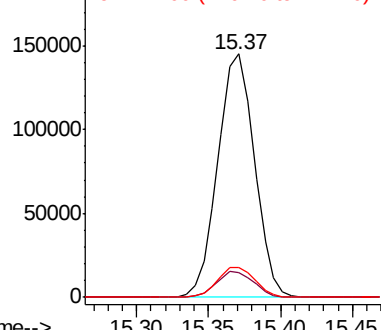
128 100

129 10.8 8.6 12.8

127 12.8 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 28.134 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW015577.D

Acq: 09 Jun 2020 17:07

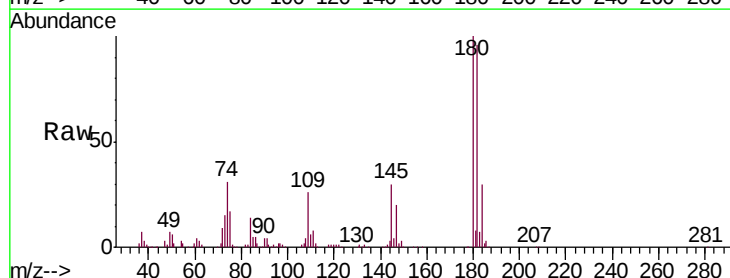
Tgt Ion:180 Resp: 114601

Ion Ratio Lower Upper

180 100

182 95.0 75.4 113.2

145 32.4 26.7 40.1



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

