

Data File : VW017357.D
Acq On : 19 Nov 2020 08:57
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

Quant Time: Nov 20 01:05:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 19 05:03:18 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	371191	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	335868	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	172870	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	126799	23.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.28%
7) Chloroethane-d5	2.89	69	102800	23.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.20%
10) 1,1-Dichloroethene-d2	4.03	63	224339	23.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.36%
20) 2-Butanone-d5	7.08	46	34491	38.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.44%
24) Chloroform-d	7.65	84	228240	23.41	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.64%
26) 1,2-Dichloroethane-d4	8.30	65	104048	22.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.32%
29) Benzene-d6	8.27	84	447652	23.64	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.56%
33) 1,2-Dichloropropane-d6	9.27	67	115838	22.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.84%
37) Toluene-d8	10.32	98	425267	23.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.44%
38) trans-1,3-Dichloropropene-	10.58	79	49524	22.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.20%
39) 2-Hexanone-d5	10.93	63	28024	41.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.86%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	84154	22.02	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.08%
61) 1,2-Dichlorobenzene-d4	13.86	152	142729	22.37	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.48%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	82444	23.904	ug/L	99
3) Chloromethane	2.21	50	91575	24.417	ug/L	98
5) Vinyl chloride	2.37	62	146766	26.645	ug/L	98
6) Bromomethane	2.79	94	104782	25.334	ug/L	100
8) Chloroethane	2.93	64	90871	26.359	ug/L	96
9) Trichlorofluoromethane	3.26	101	132344	27.003	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	132568	26.063	ug/L	97
12) 1,1-Dichloroethene	4.04	96	125343	25.657	ug/L	96
13) Acetone	4.13	43	25799	39.181	ug/L	98
14) Carbon disulfide	4.38	76	373884	26.056	ug/L	99
15) Methyl Acetate	4.67	43	31263	21.679	ug/L	99
16) Methylene chloride	4.92	84	119824	18.872	ug/L	95
17) Methyl tert-butyl Ether	5.43	73	131195	22.791	ug/L #	79
18) trans-1,2-Dichloroethene	5.43	96	129322	24.733	ug/L	97
19) 1,1-Dichloroethane	6.22	63	200430	25.059	ug/L	98
21) 2-Butanone	7.18	43	39122	38.758	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	129150	24.320	ug/L	99

Data File : VW017357.D
Acq On : 19 Nov 2020 08:57
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

Quant Time: Nov 20 01:05:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 19 05:03:18 2020
Response via : Initial Calibration

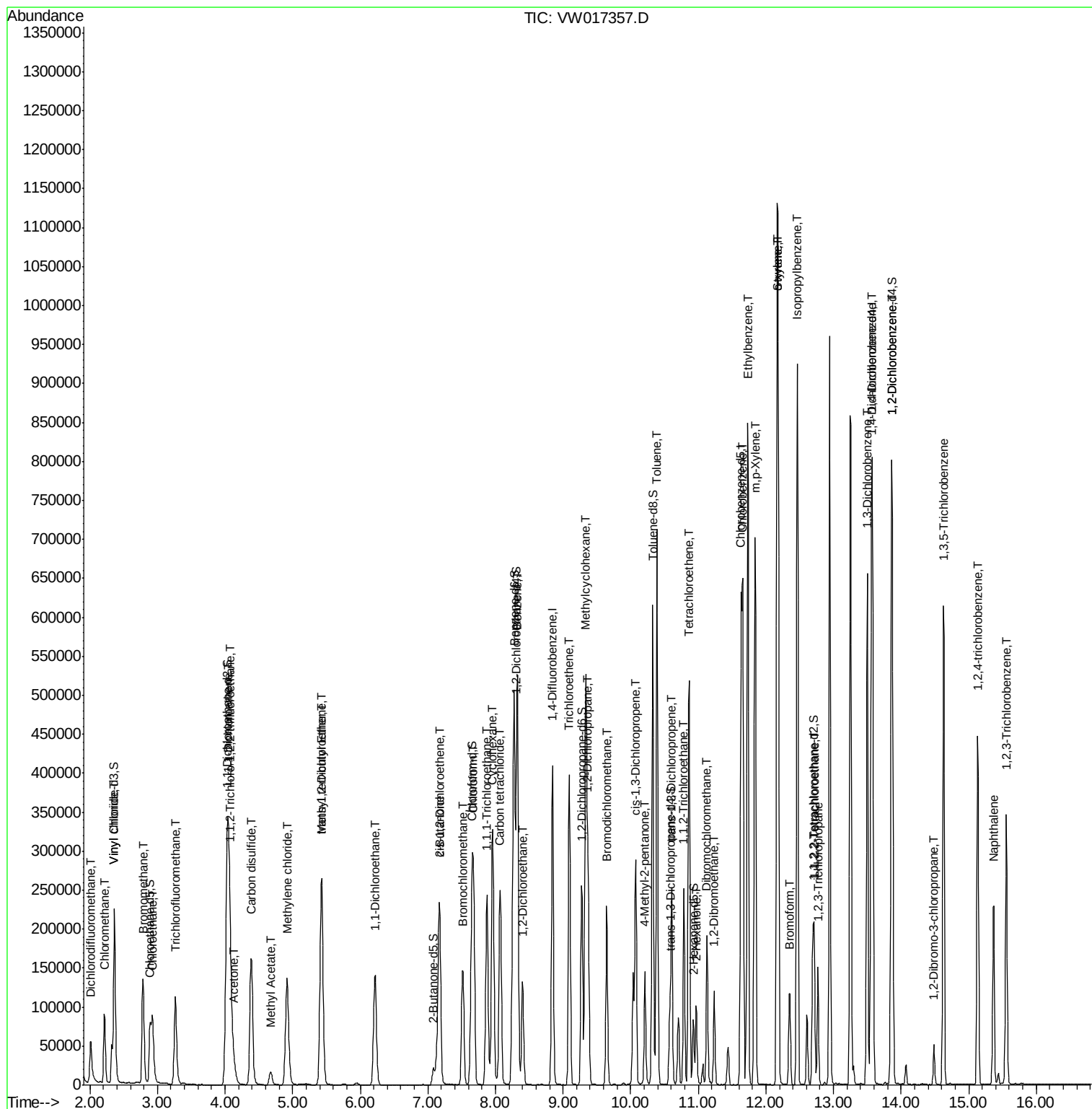
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	61075	24.512	ug/L	96
25) Chloroform	7.68	83	220406	24.640	ug/L	99
27) 1,2-Dichloroethane	8.40	62	123897	23.901	ug/L	97
30) Cyclohexane	7.96	56	174170	25.877	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	201106	25.585	ug/L	100
32) Carbon tetrachloride	8.07	117	191442	25.518	ug/L	99
34) Benzene	8.32	78	477482	25.165	ug/L	100
35) Trichloroethene	9.09	95	133478	24.869	ug/L	98
36) Methylcyclohexane	9.34	83	226823	26.450	ug/L	99
40) 1,2-Dichloropropane	9.37	63	105620	24.610	ug/L	99
41) Bromodichloromethane	9.65	83	148612	24.656	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	164990	24.769	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	88138	41.376	ug/L	98
44) Toluene	10.39	91	530681	25.214	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	138846	24.603	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	80605	23.840	ug/L	96
47) Tetrachloroethene	10.87	164	122712	25.217	ug/L	96
49) 2-Hexanone	10.97	43	58363	45.522	ug/L	96
50) Dibromochloromethane	11.13	129	104931	24.272	ug/L	99
51) 1,2-Dibromoethane	11.24	107	76974	23.209	ug/L	99
52) Chlorobenzene	11.66	112	346187	24.701	ug/L	98
53) Ethylbenzene	11.73	91	597453	25.314	ug/L	94
54) m,p-Xylene	11.84	106	233841	25.712	ug/L	89
55) o-xylene	12.17	106	219710	25.458	ug/L	95
56) Styrene	12.18	104	364051	25.445	ug/L	100
57) Isopropylbenzene	12.46	105	616550	26.087	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	84522	23.079	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	59529	22.509	ug/L	99
62) Bromoform	12.35	173	57253	23.538	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	275199	24.428	ug/L	93
64) 1,4-Dichlorobenzene	13.58	146	273604	24.615	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	241589	24.673	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	12075	22.126	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	205092	25.023	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	150192	23.877	ug/L	98
69) Naphthalene	15.37	128	205333	22.737	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	131248	23.718	ug/L	95

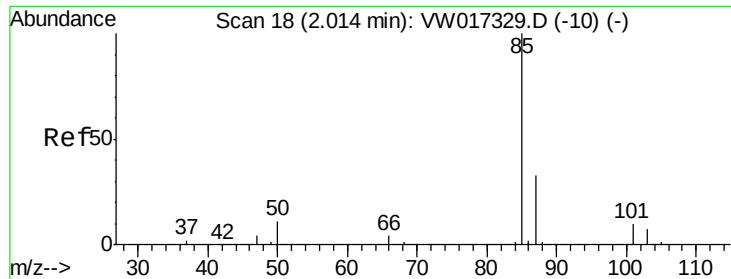
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW017357.D
Acq On : 19 Nov 2020 08:57
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
Client Sampled :
VSTD02514

Quant Time: Nov 20 01:05:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 19 05:03:18 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 23.904 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW017357.D

Acq: 19 Nov 2020 08:57

Instrument :

MSVOA_W

ClientSampleId :

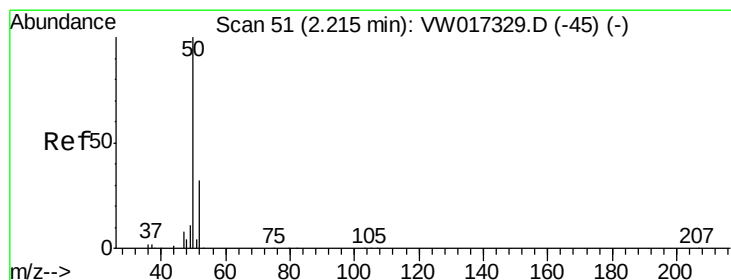
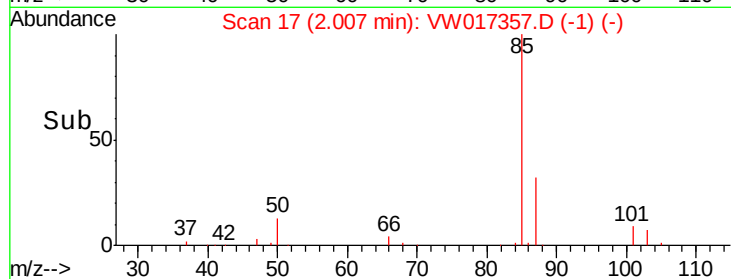
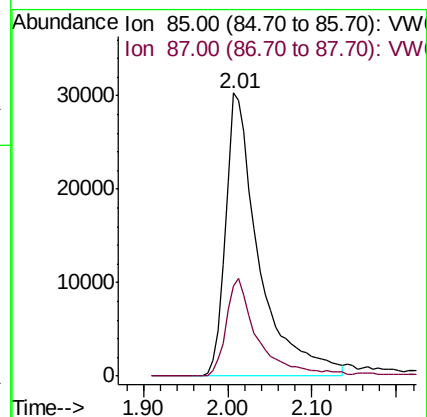
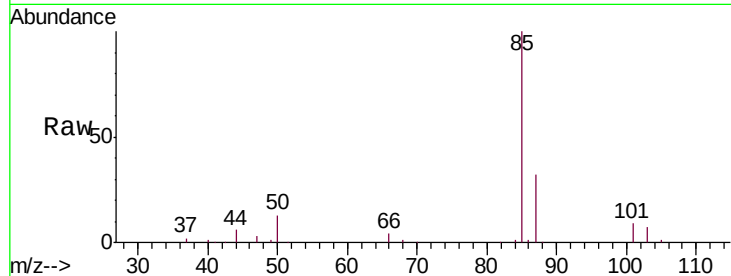
VSTD02514

Tgt Ion: 85 Resp: 82444

Ion Ratio Lower Upper

85 100

87 31.8 21.8 40.4



#3

Chloromethane

Concen: 24.417 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW017357.D

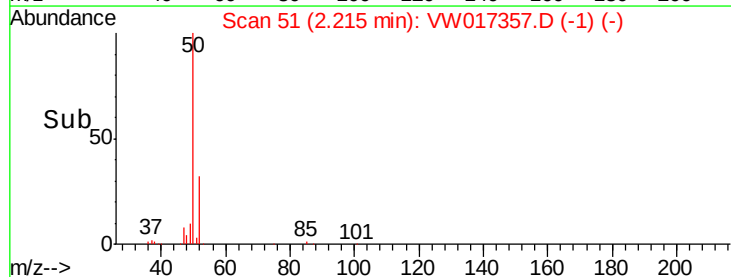
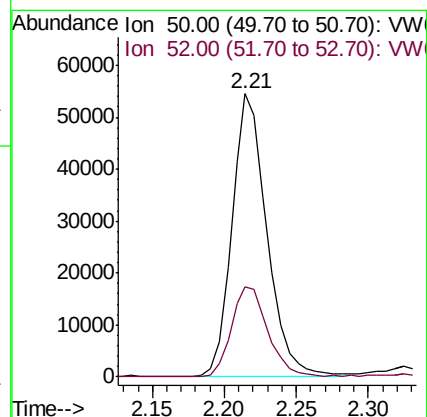
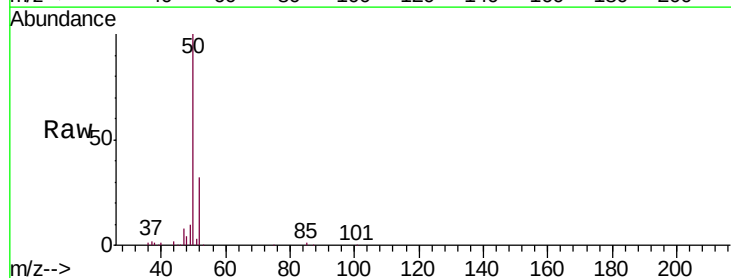
Acq: 19 Nov 2020 08:57

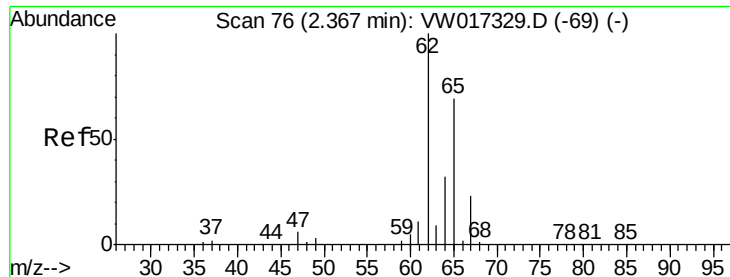
Tgt Ion: 50 Resp: 91575

Ion Ratio Lower Upper

50 100

52 32.0 23.2 43.0





#5

Vinyl chloride

Concen: 26.645 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017357.D

Acq: 19 Nov 2020 08:57

Instrument :

MSVOA_W

ClientSampleId :

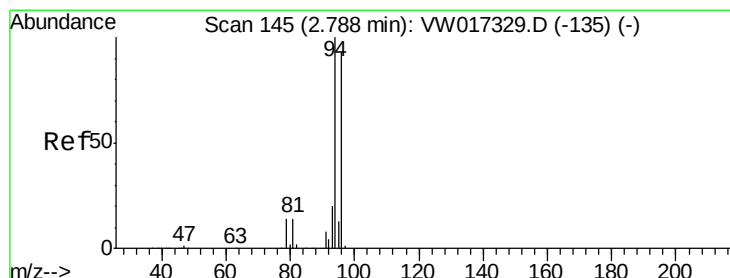
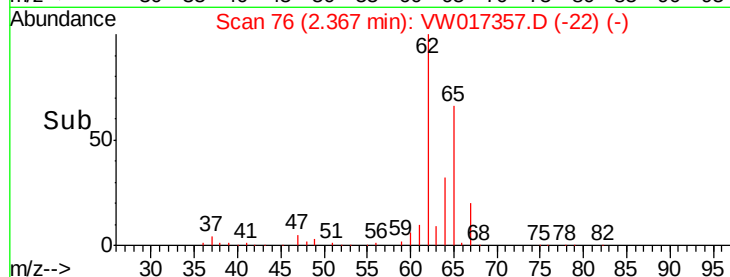
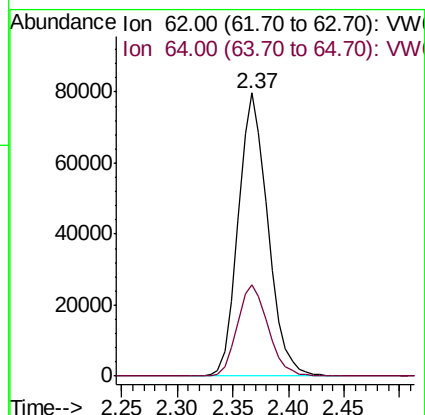
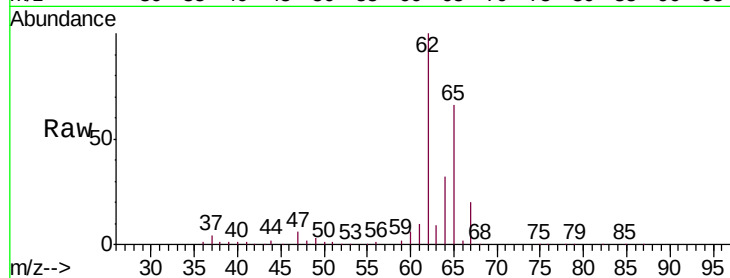
VSTD02514

Tgt Ion: 62 Resp: 146766

Ion Ratio Lower Upper

62 100

64 32.4 23.4 43.4



#6

Bromomethane

Concen: 25.334 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW017357.D

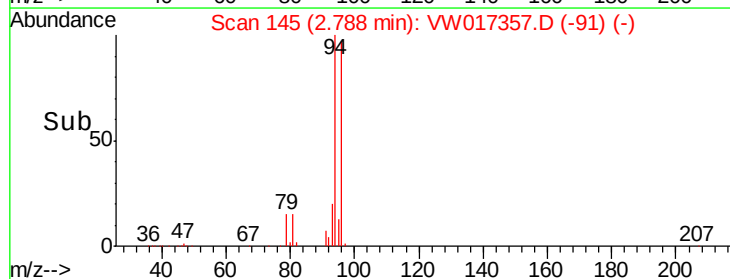
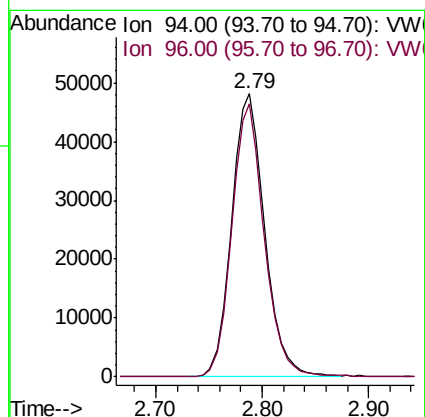
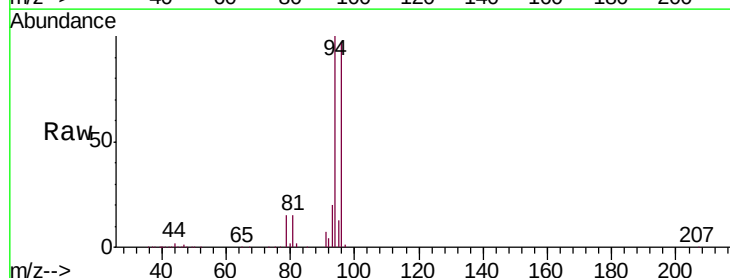
Acq: 19 Nov 2020 08:57

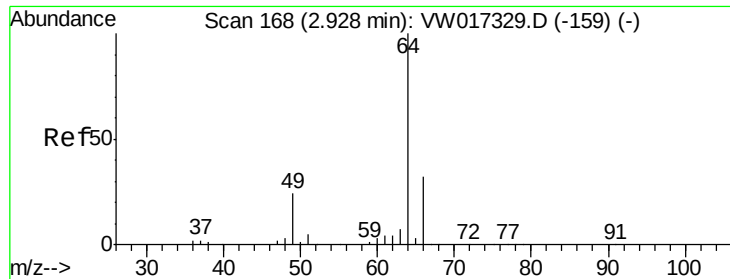
Tgt Ion: 94 Resp: 104782

Ion Ratio Lower Upper

94 100

96 94.1 9.4 178.6





#8

Chloroethane

Concen: 26.359 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW017357.D

Acq: 19 Nov 2020 08:57

Instrument :

MSVOA_W

ClientSampleId :

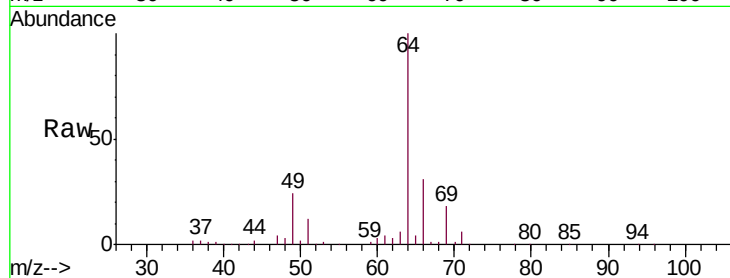
VSTD02514

Tgt Ion: 64 Resp: 90871

Ion Ratio Lower Upper

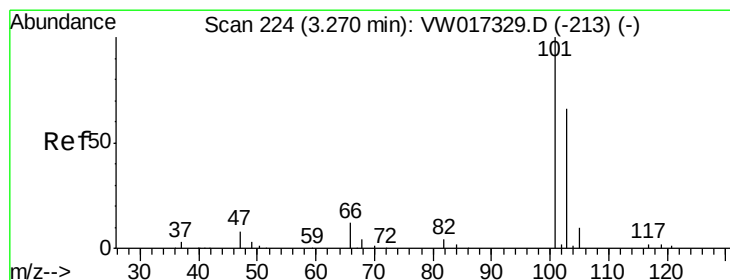
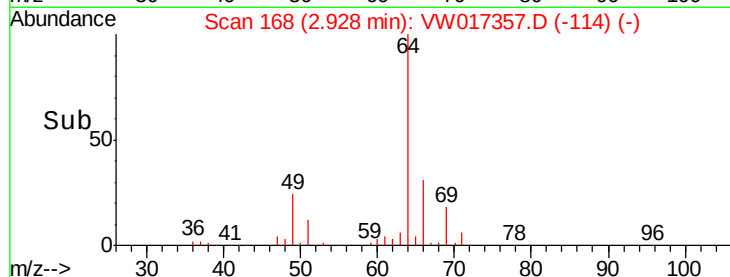
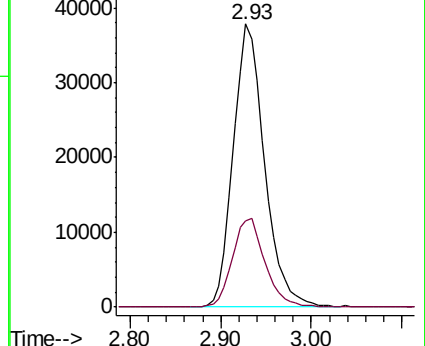
64 100

66 30.6 23.2 43.0



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 27.003 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.01 min

Lab File: VW017357.D

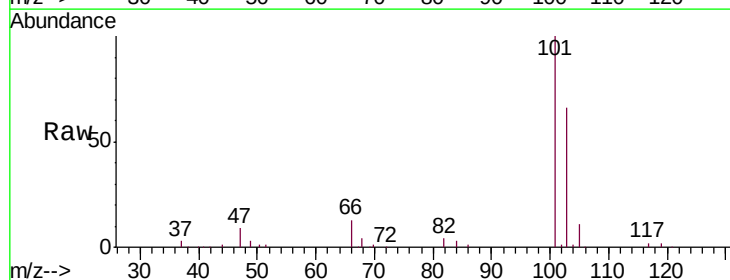
Acq: 19 Nov 2020 08:57

Tgt Ion: 101 Resp: 132344

Ion Ratio Lower Upper

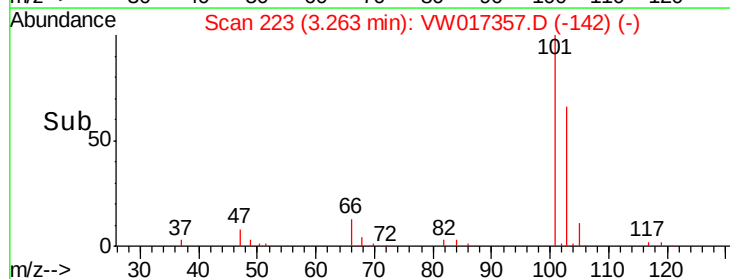
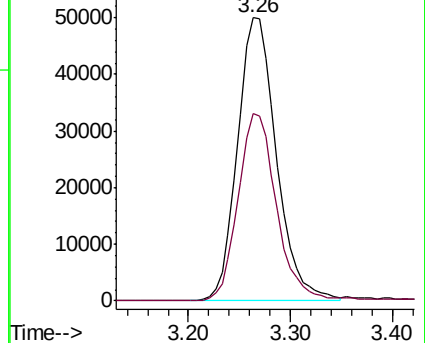
101 100

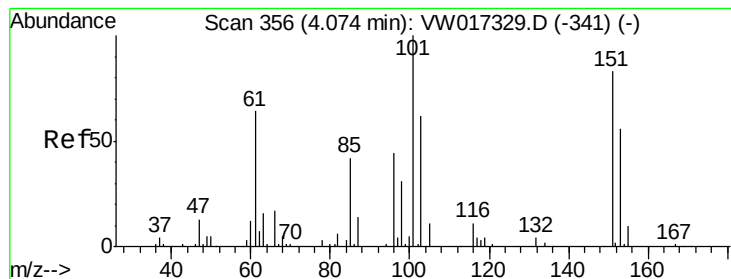
103 64.9 45.8 85.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 26.063 ug/L

RT: 4.07 min Scan# 356

Delta R.T. -0.00 min

Lab File: VW017357.D

Acq: 19 Nov 2020 08:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

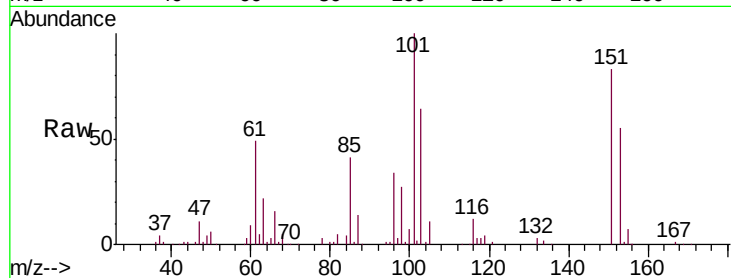
Tgt Ion: 101 Resp: 132568

Ion Ratio Lower Upper

101 100

85 40.7 34.6 51.8

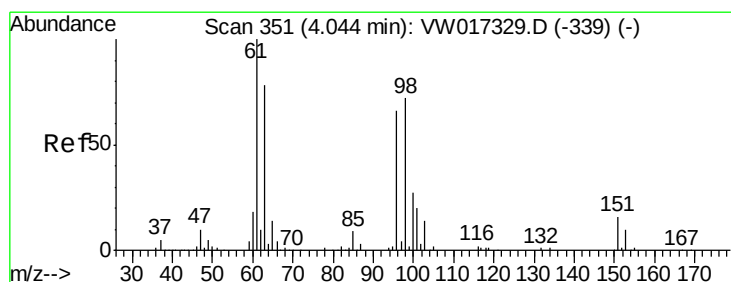
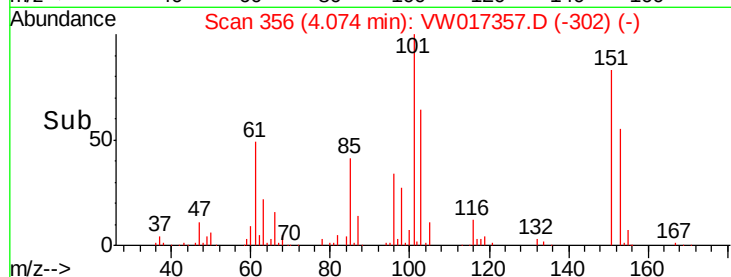
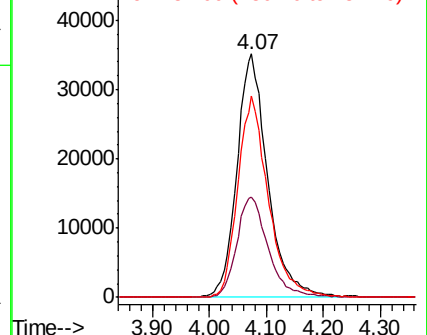
151 80.8 66.3 99.5



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: 25.657 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW017357.D

Acq: 19 Nov 2020 08:57

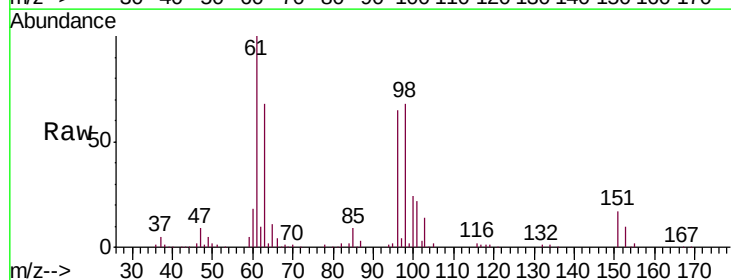
Tgt Ion: 96 Resp: 125343

Ion Ratio Lower Upper

96 100

61 153.9 104.7 194.4

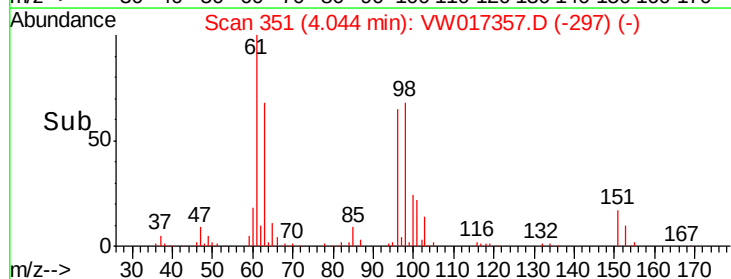
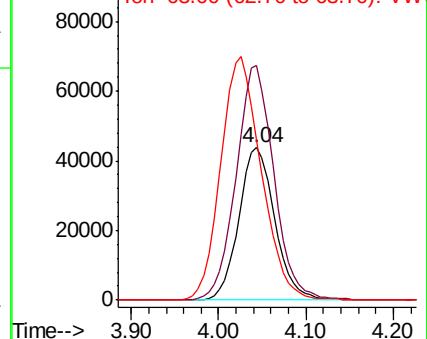
63 105.0 69.6 129.2

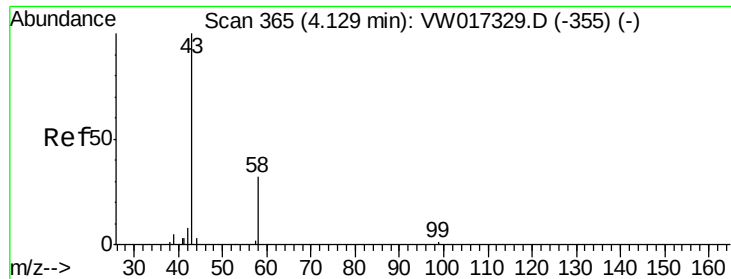


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 39.181 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW017357.D

Acq: 19 Nov 2020 08:57

Instrument :

MSVOA_W

ClientSampled :

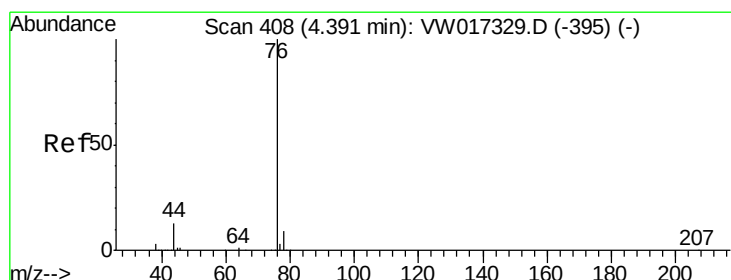
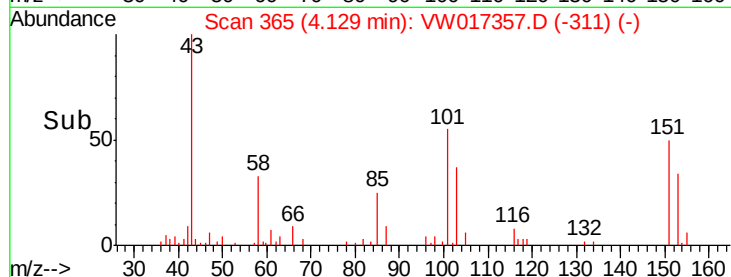
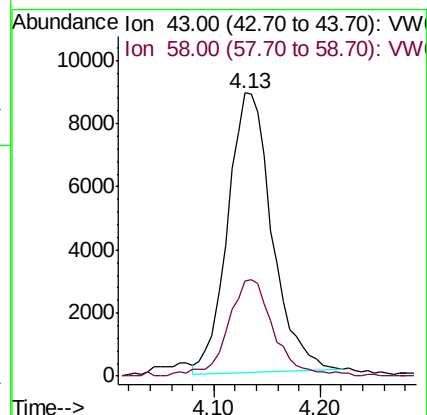
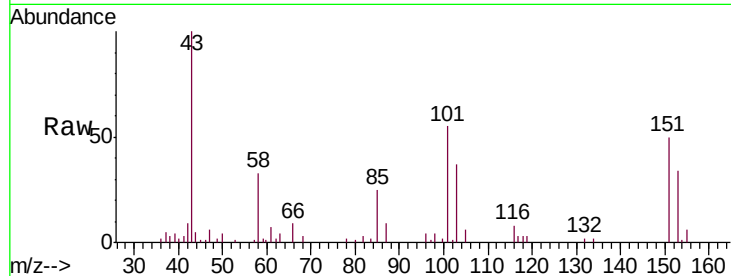
VSTD02514

Tgt Ion: 43 Resp: 25799

Ion Ratio Lower Upper

43 100

58 32.2 0.0 67.0



#14

Carbon disulfide

Concen: 26.056 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW017357.D

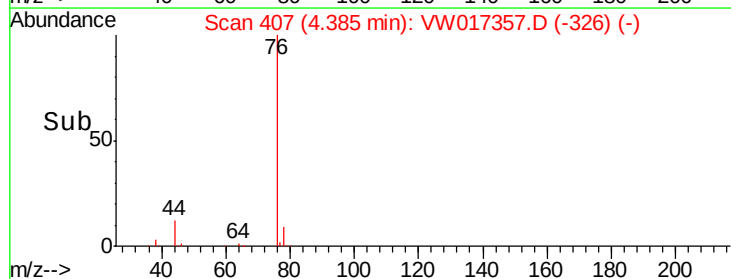
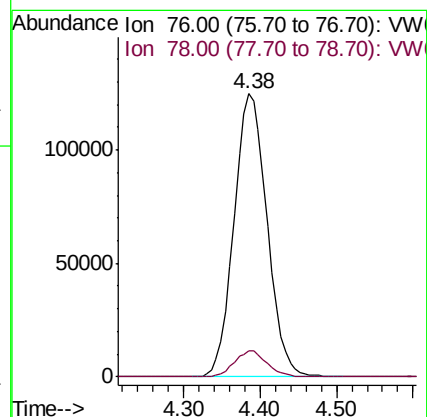
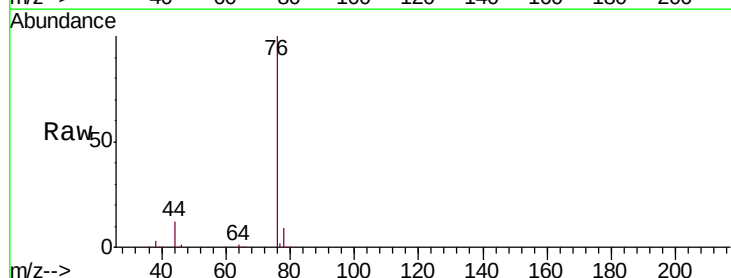
Acq: 19 Nov 2020 08:57

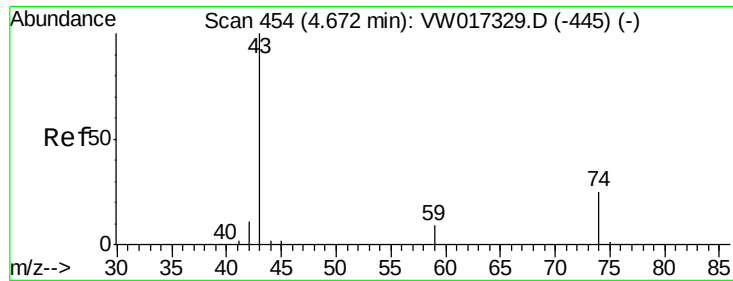
Tgt Ion: 76 Resp: 373884

Ion Ratio Lower Upper

76 100

78 9.2 7.8 11.6

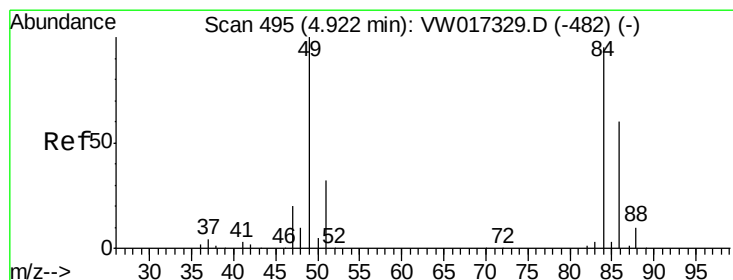
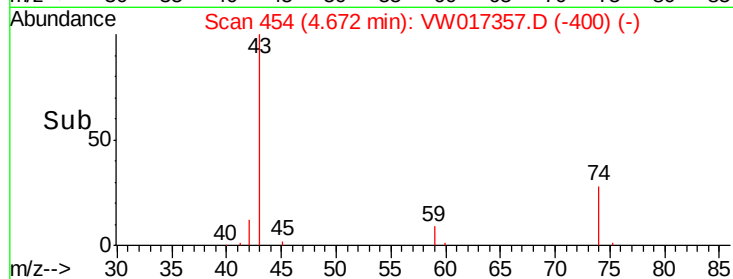
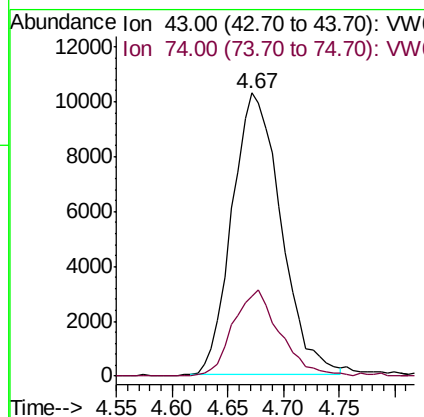
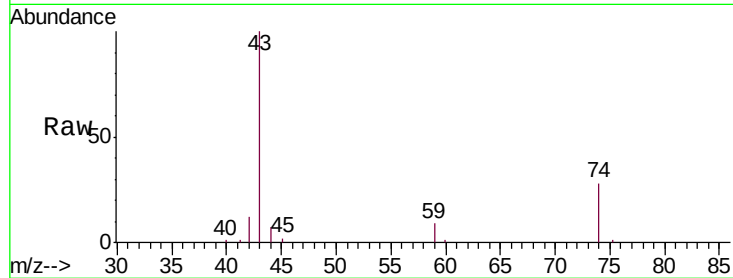




#15
Methyl Acetate
Concen: 21.679 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW017357.D
Acq: 19 Nov 2020 08:57

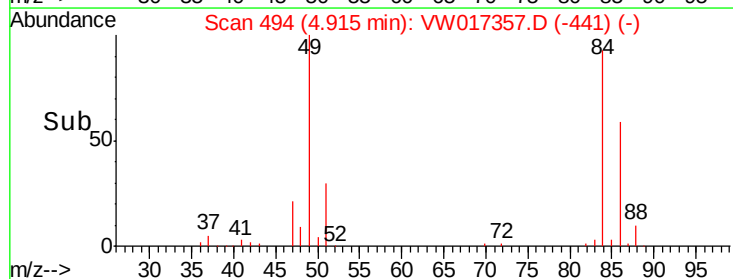
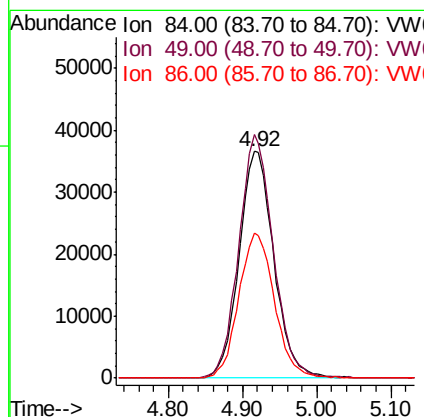
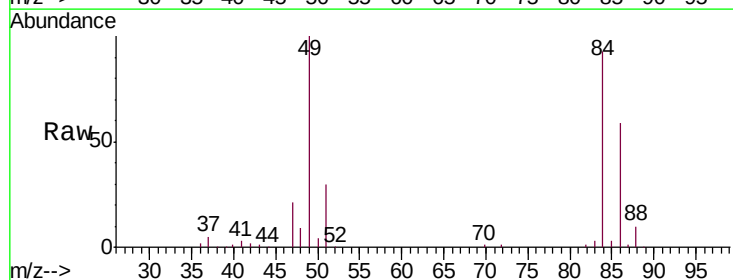
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

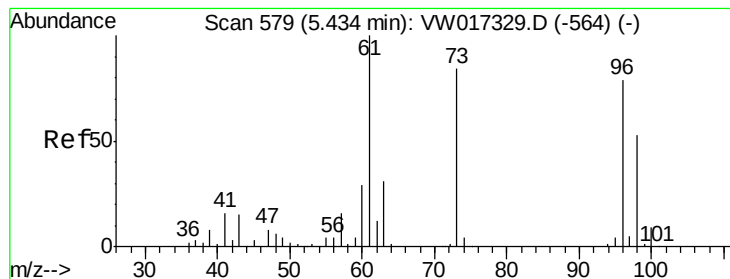
Tgt Ion: 43 Resp: 31263
Ion Ratio Lower Upper
43 100
74 29.3 23.7 35.5



#16
Methylene chloride
Concen: 18.872 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW017357.D
Acq: 19 Nov 2020 08:57

Tgt Ion: 84 Resp: 119824
Ion Ratio Lower Upper
84 100
49 107.5 71.5 132.9
86 63.9 42.8 79.4





#17

Methyl tert-butyl Ether

Concen: 22.791 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW017357.D

Acq: 19 Nov 2020 08:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

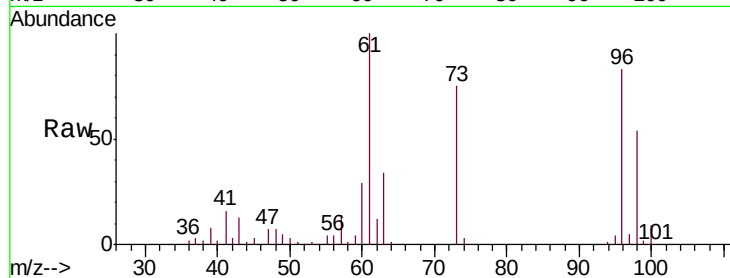
Tgt Ion: 73 Resp: 131195

Ion Ratio Lower Upper

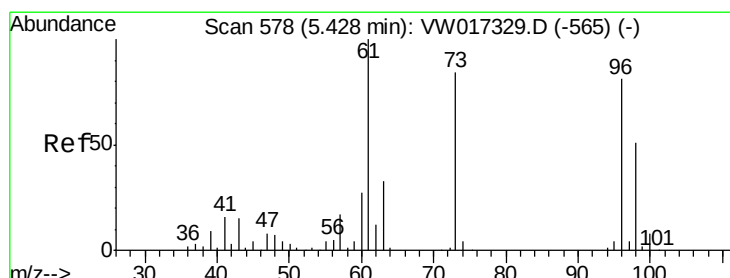
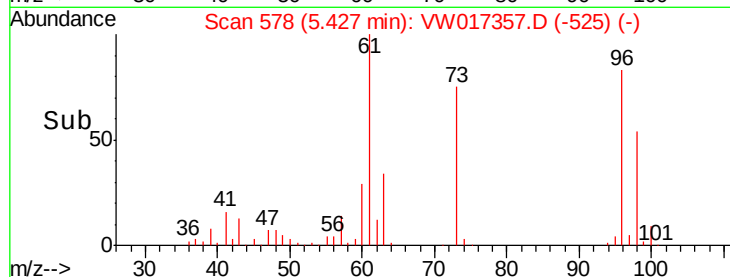
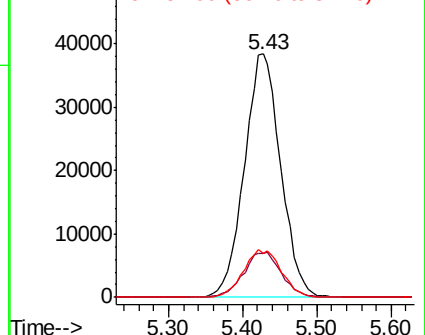
73 100

43 0.0 15.7 23.5#

57 20.4 16.3 24.5



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: 24.733 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW017357.D

Acq: 19 Nov 2020 08:57

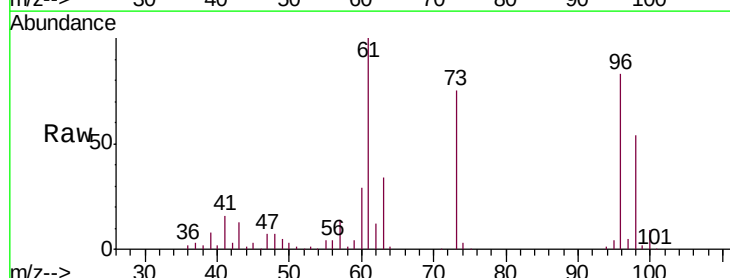
Tgt Ion: 96 Resp: 129322

Ion Ratio Lower Upper

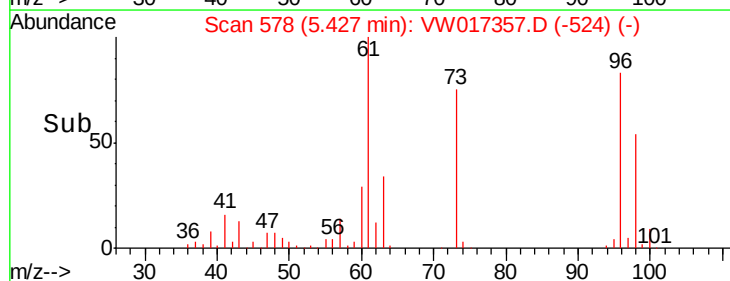
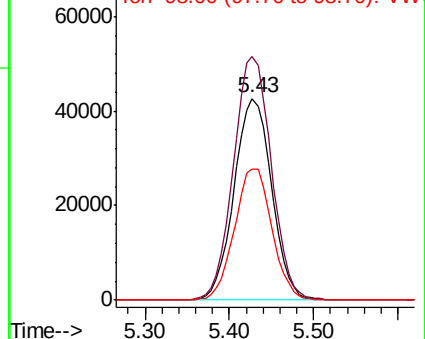
96 100

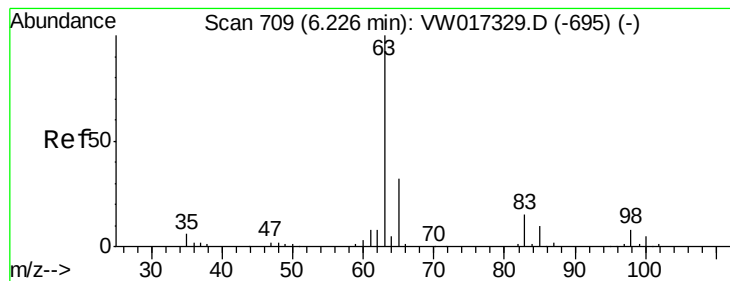
61 120.9 84.3 156.5

98 64.9 41.5 77.1



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: 25.059 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.01 min

Lab File: VW017357.D

Acq: 19 Nov 2020 08:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

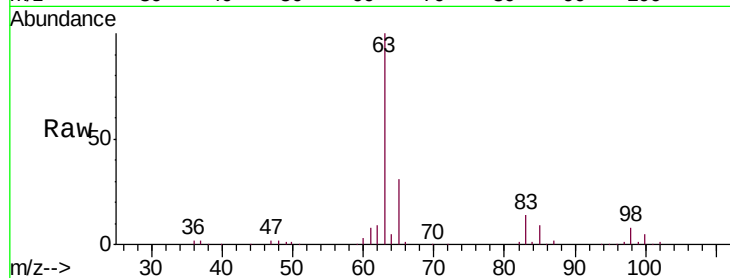
Tgt Ion: 63 Resp: 200430

Ion Ratio Lower Upper

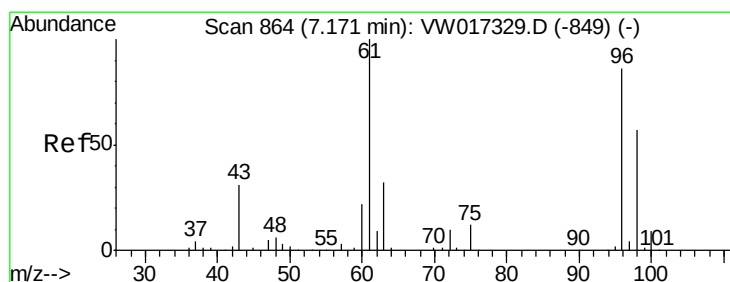
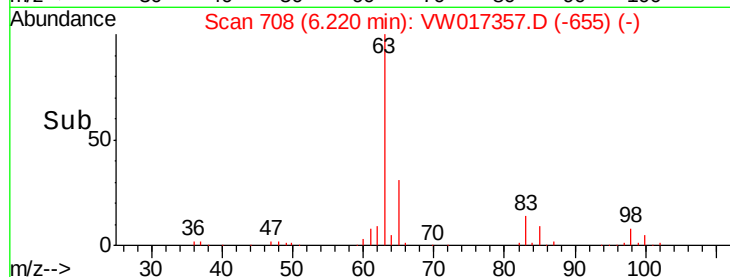
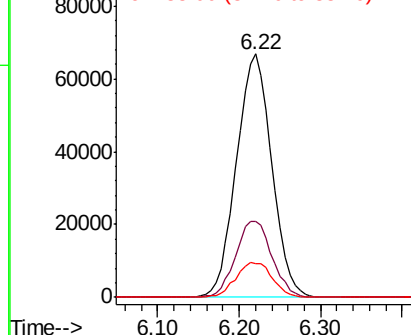
63 100

65 31.2 22.3 41.5

83 13.6 10.1 18.7



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: 38.758 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW017357.D

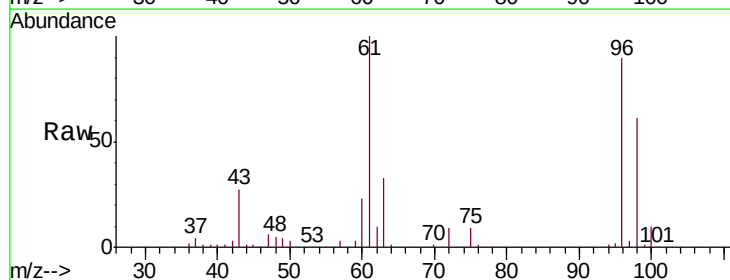
Acq: 19 Nov 2020 08:57

Tgt Ion: 43 Resp: 39122

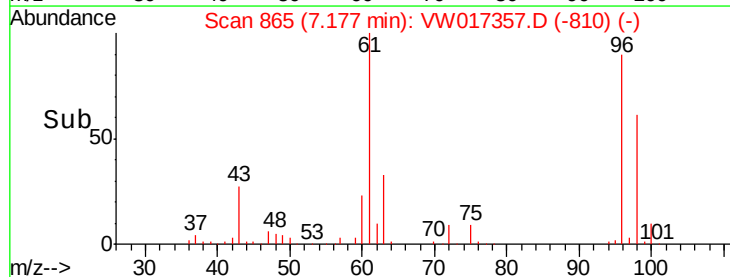
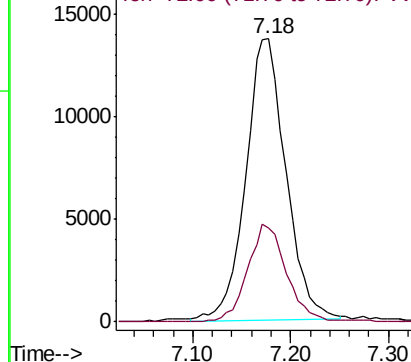
Ion Ratio Lower Upper

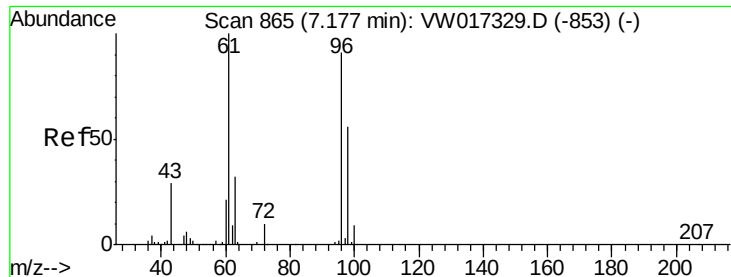
43 100

72 33.3 16.4 49.1



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



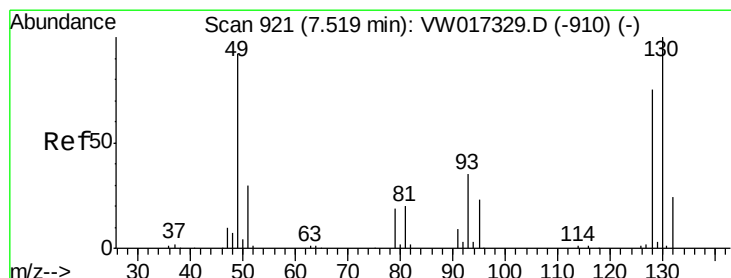
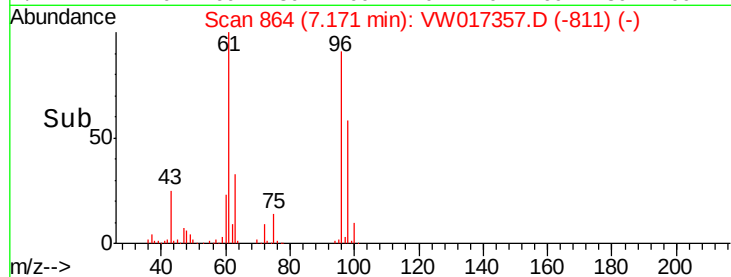
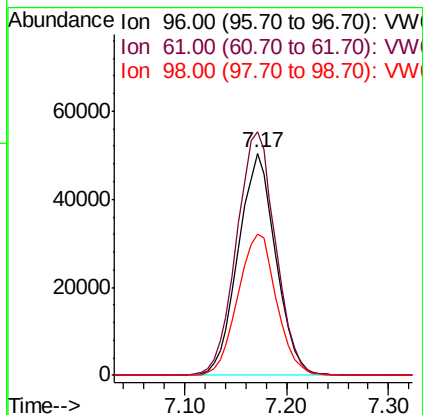
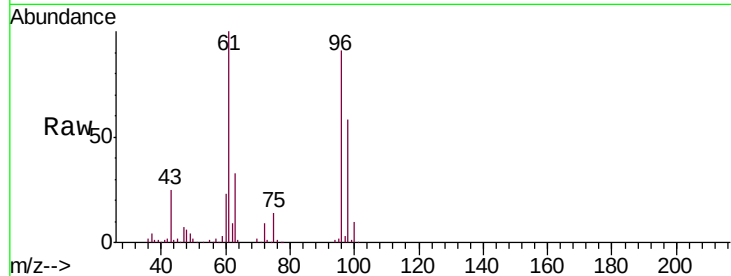


#22

cis-1,2-Dichloroethene
Concen: 24.320 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: VW017357.D
Acq: 19 Nov 2020 08:57

Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

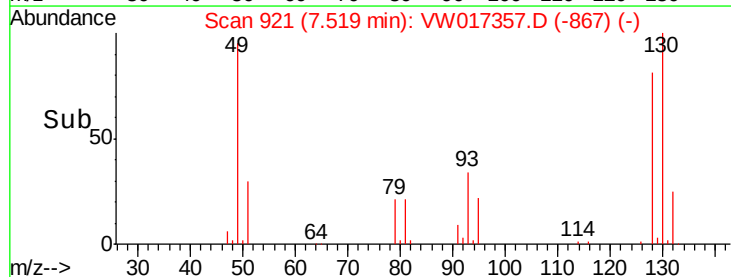
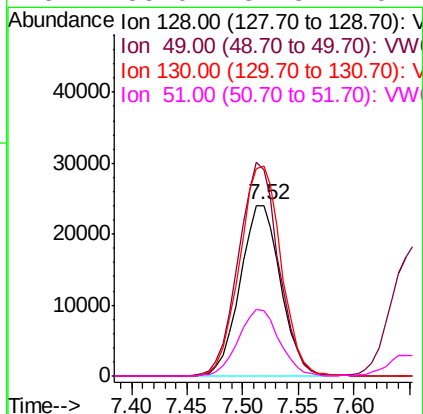
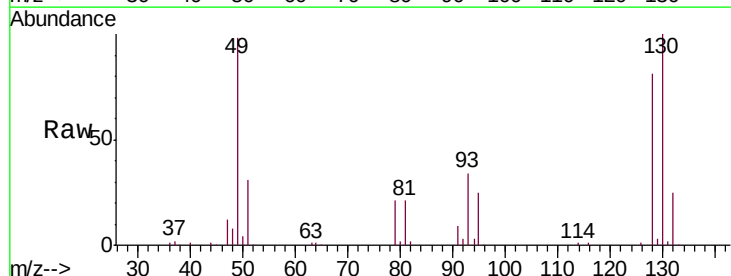
Tgt Ion: 96 Resp: 129150
Ion Ratio Lower Upper
96 100
61 109.5 76.1 141.3
98 63.4 44.7 82.9

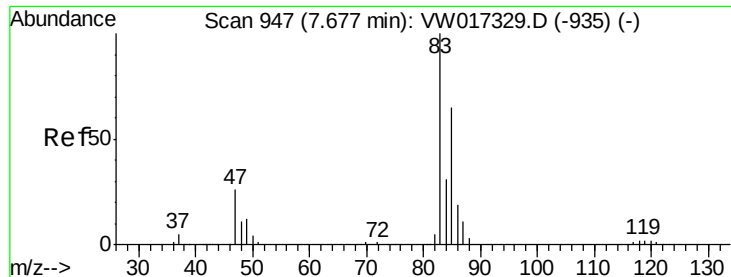


#23

Bromochloromethane
Concen: 24.512 ug/L
RT: 7.52 min Scan# 921
Delta R.T. -0.00 min
Lab File: VW017357.D
Acq: 19 Nov 2020 08:57

Tgt Ion: 128 Resp: 61075
Ion Ratio Lower Upper
128 100
49 120.5 85.5 158.7
130 122.8 91.5 169.9
51 38.0 32.8 49.2

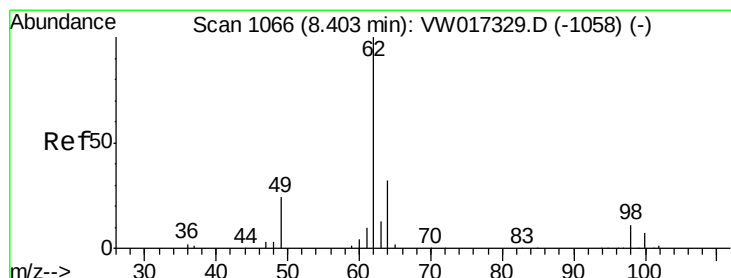
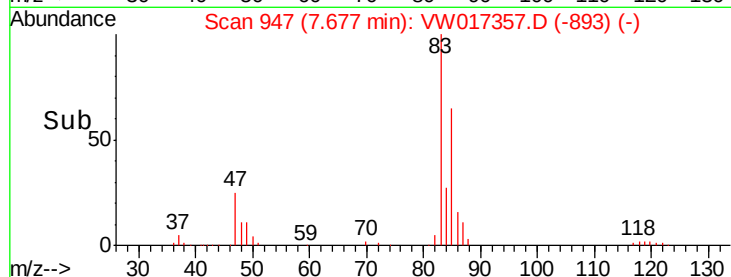
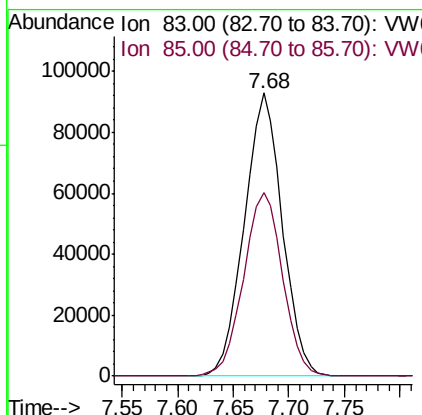
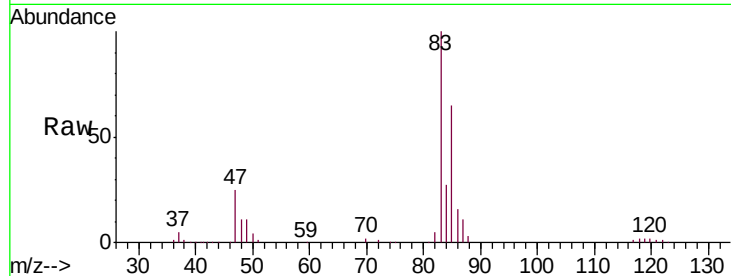




#25
Chloroform
Concen: 24.640 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW017357.D
Acq: 19 Nov 2020 08:57

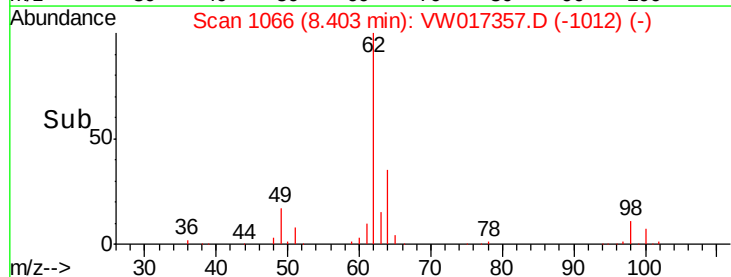
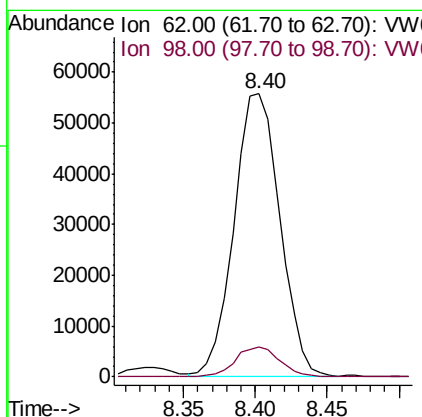
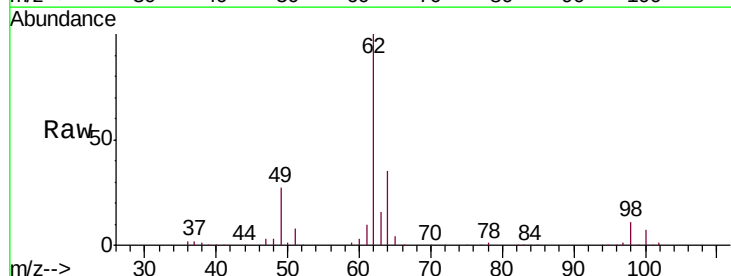
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

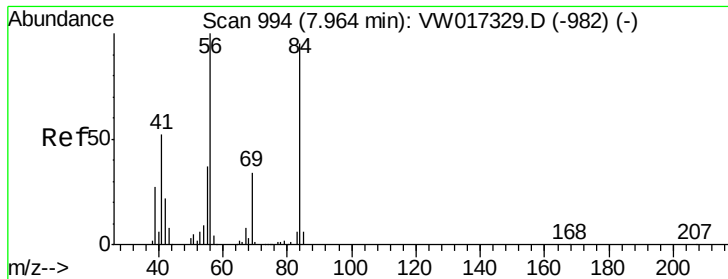
Tgt Ion: 83 Resp: 220406
Ion Ratio Lower Upper
83 100
85 66.7 46.1 85.5



#27
1,2-Dichloroethane
Concen: 23.901 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW017357.D
Acq: 19 Nov 2020 08:57

Tgt Ion: 62 Resp: 123897
Ion Ratio Lower Upper
62 100
98 10.7 7.7 11.5

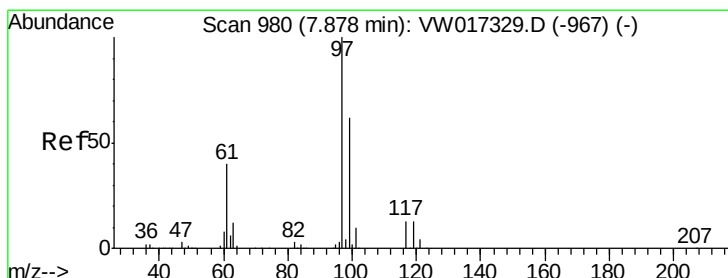
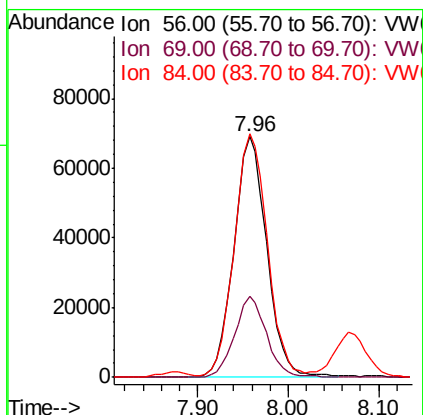
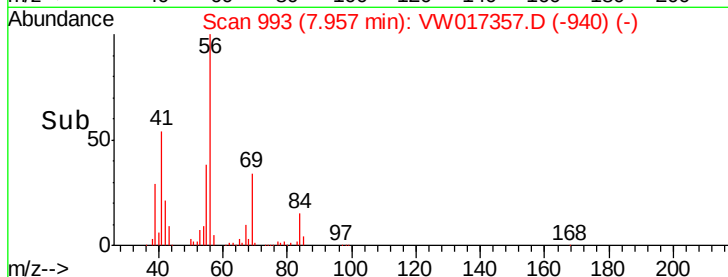
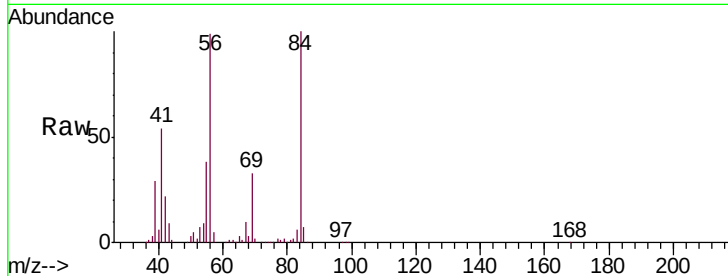




#30
Cyclohexane
Concen: 25.877 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.01 min
Lab File: VW017357.D
Acq: 19 Nov 2020 08:57

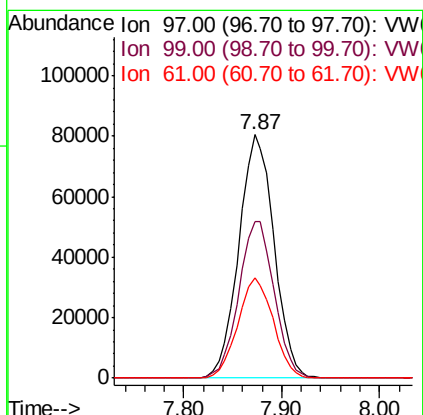
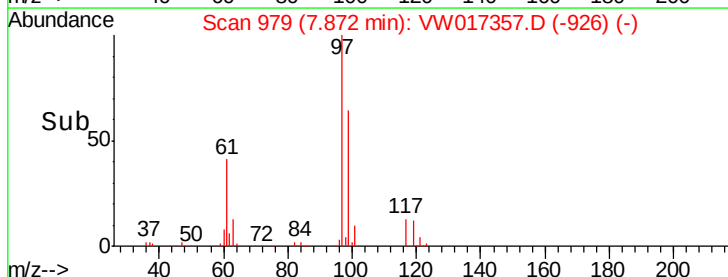
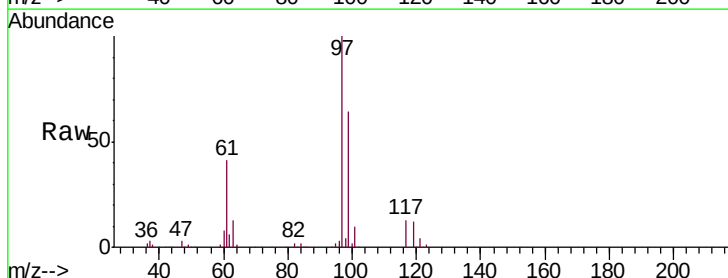
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

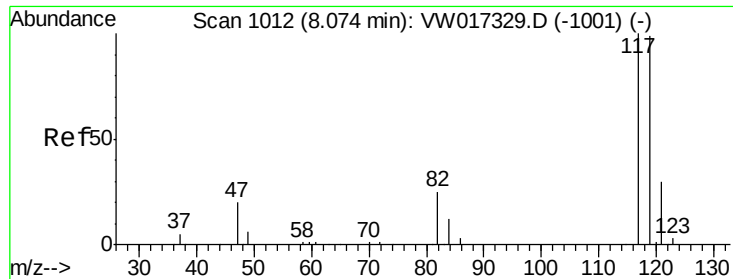
Tgt Ion: 56 Resp: 174170
Ion Ratio Lower Upper
56 100
69 32.3 27.0 40.6
84 101.7 82.2 123.4



#31
1,1,1-Trichloroethane
Concen: 25.585 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW017357.D
Acq: 19 Nov 2020 08:57

Tgt Ion: 97 Resp: 201106
Ion Ratio Lower Upper
97 100
99 64.6 51.4 77.2
61 41.3 32.7 49.1





#32

Carbon tetrachloride

Concen: 25.518 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW017357.D

Acq: 19 Nov 2020 08:57

Instrument :

MSVOA_W

ClientSampled :

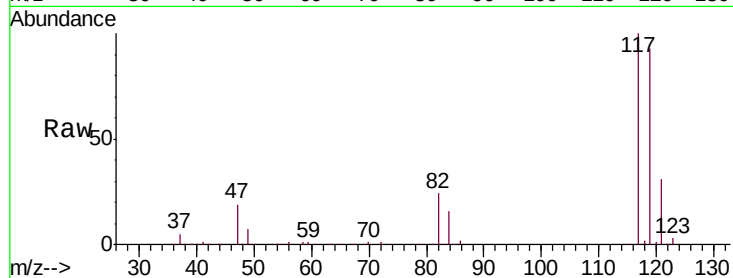
VSTD02514

Tgt Ion:117 Resp: 191442

Ion Ratio Lower Upper

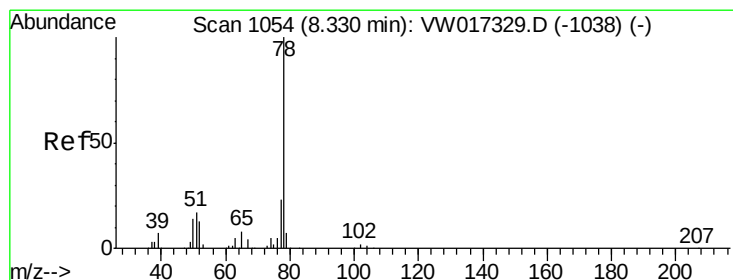
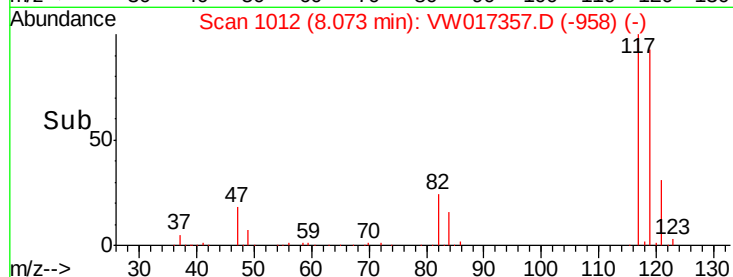
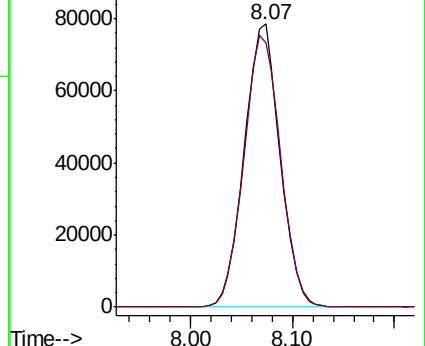
117 100

119 98.5 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.165 ug/L

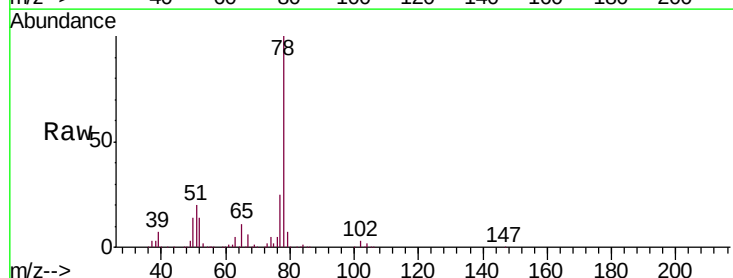
RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

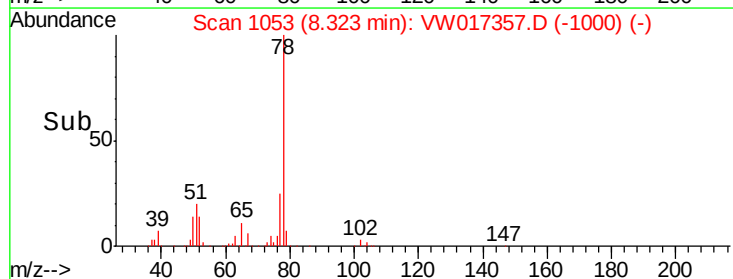
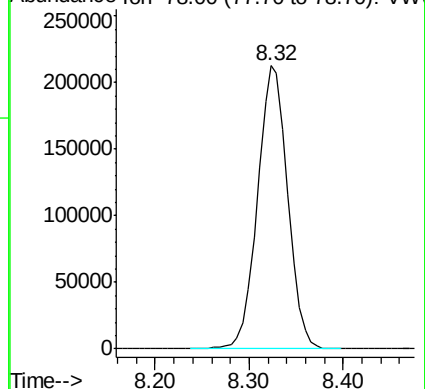
Lab File: VW017357.D

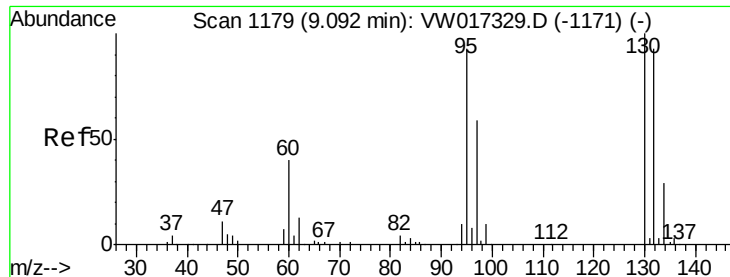
Acq: 19 Nov 2020 08:57

Tgt Ion: 78 Resp: 477482



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.869 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW017357.D

Acq: 19 Nov 2020 08:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

Tgt Ion: 95 Resp: 133478

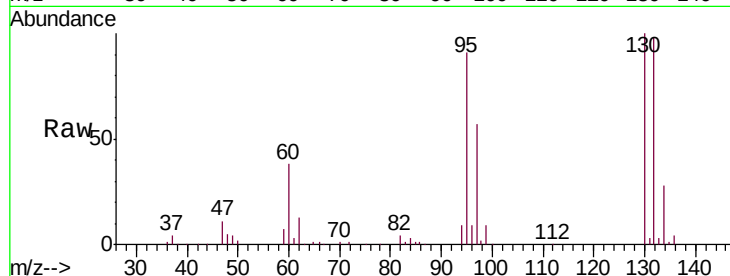
Ion Ratio Lower Upper

95 100

97 65.4 44.7 82.9

132 106.4 72.7 134.9

130 109.9 76.1 141.3

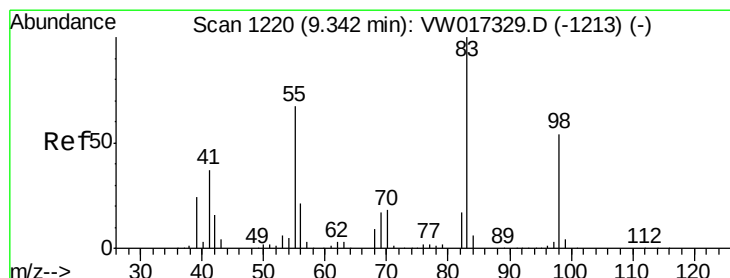
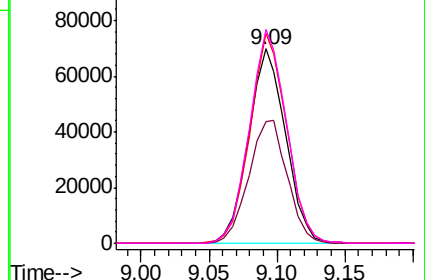
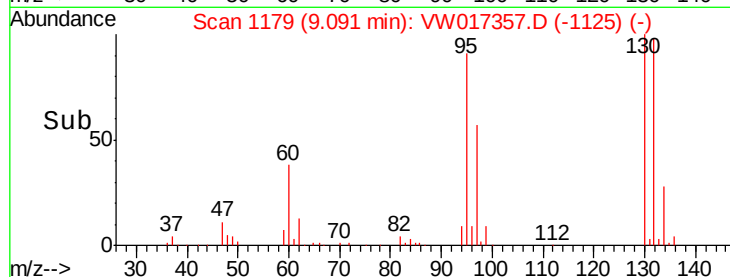


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 26.450 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VW017357.D

Acq: 19 Nov 2020 08:57

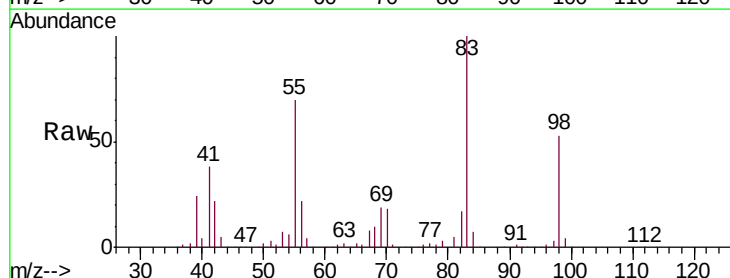
Tgt Ion: 83 Resp: 226823

Ion Ratio Lower Upper

83 100

55 67.2 54.6 81.8

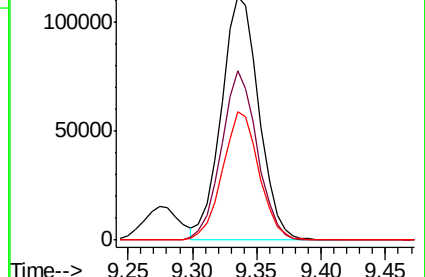
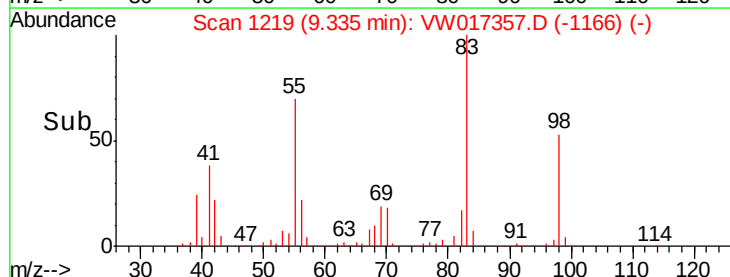
98 51.6 41.5 62.3

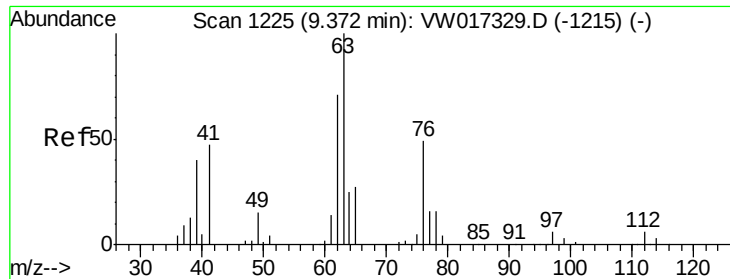


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

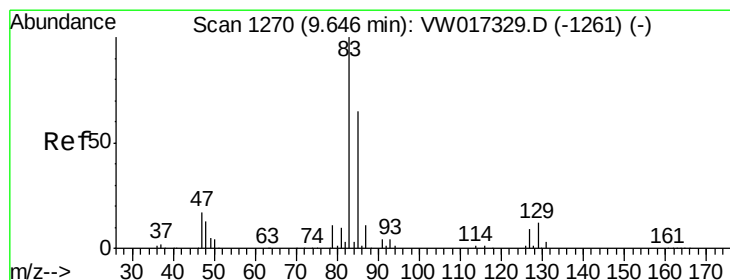
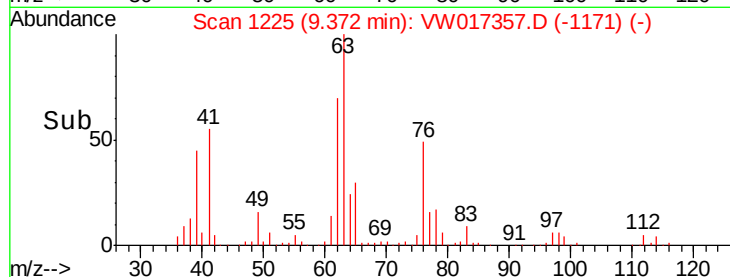
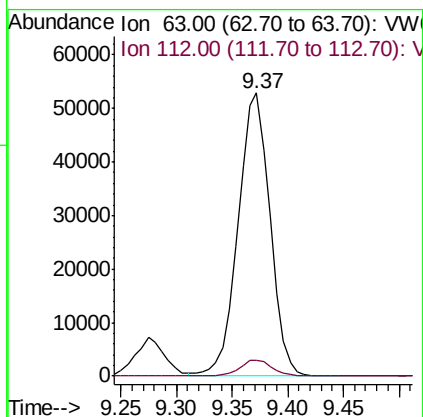
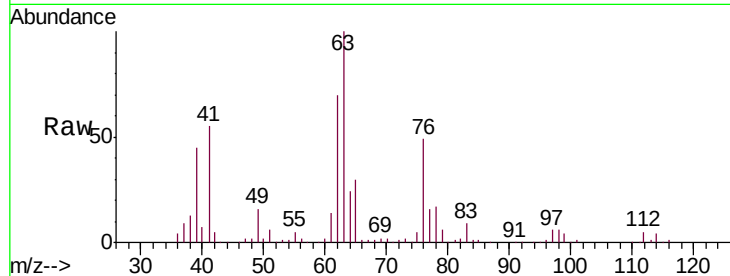




#40
 1,2-Dichloropropane
 Concen: 24.610 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW017357.D
 Acq: 19 Nov 2020 08:57

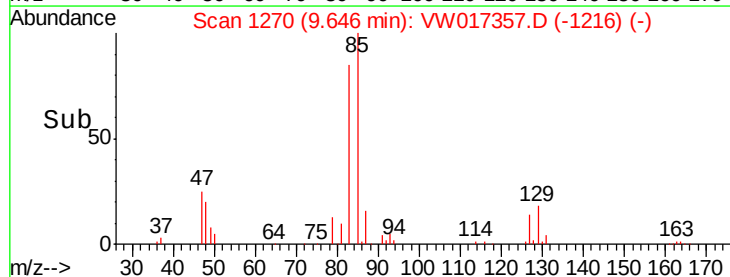
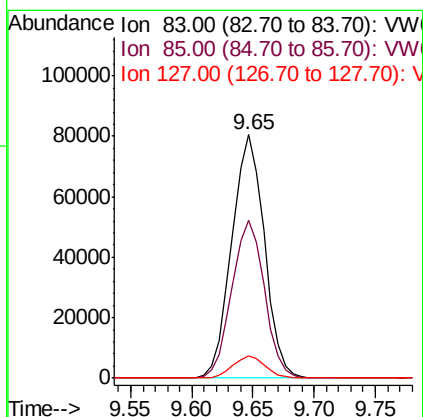
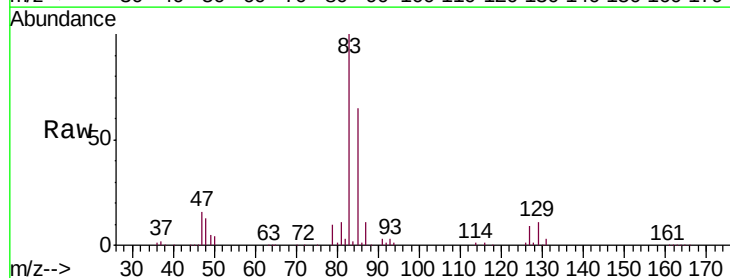
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

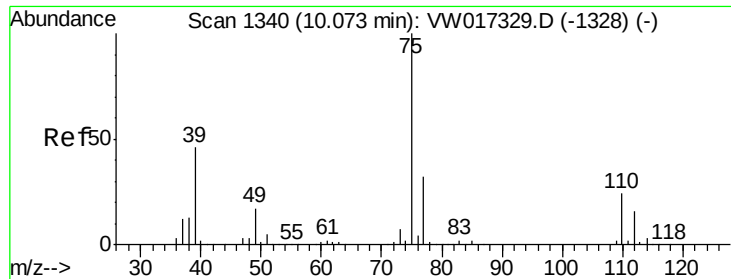
Tgt Ion: 63 Resp: 105620
 Ion Ratio Lower Upper
 63 100
 112 5.7 4.2 6.4



#41
 Bromodichloromethane
 Concen: 24.656 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW017357.D
 Acq: 19 Nov 2020 08:57

Tgt Ion: 83 Resp: 148612
 Ion Ratio Lower Upper
 83 100
 85 64.7 44.1 81.9
 127 9.2 7.3 10.9





#42

cis-1,3-Dichloropropene

Concen: 24.769 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW017357.D

Acq: 19 Nov 2020 08:57

Instrument :

MSVOA_W

ClientSampleId :

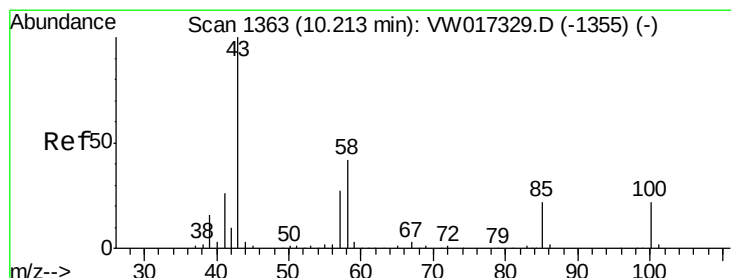
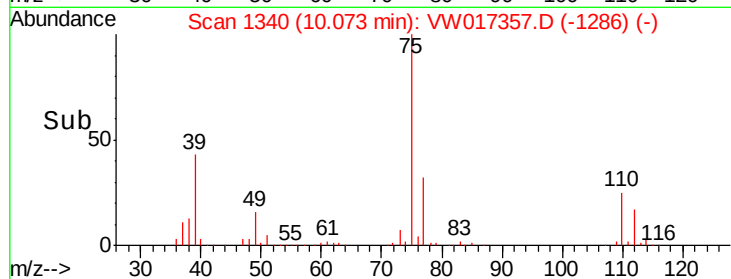
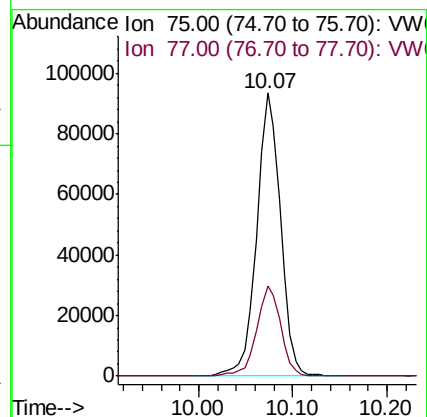
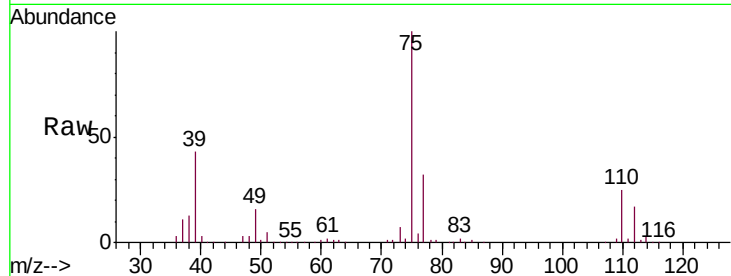
VSTD02514

Tgt Ion: 75 Resp: 164990

Ion Ratio Lower Upper

75 100

77 31.6 21.8 40.4



#43

4-Methyl-2-pentanone

Concen: 41.376 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW017357.D

Acq: 19 Nov 2020 08:57

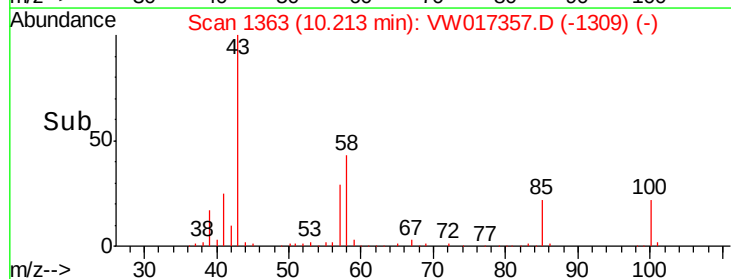
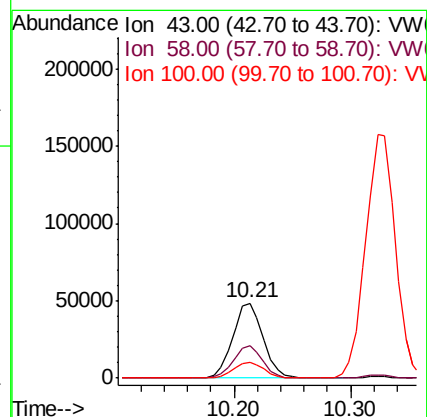
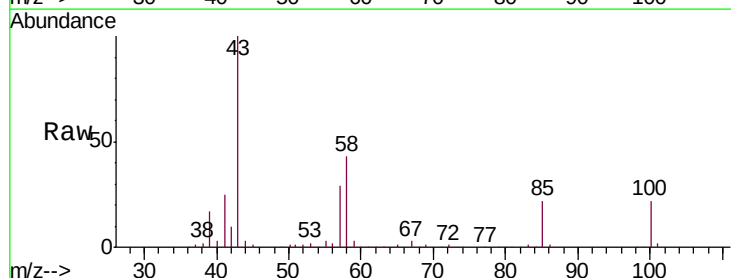
Tgt Ion: 43 Resp: 88138

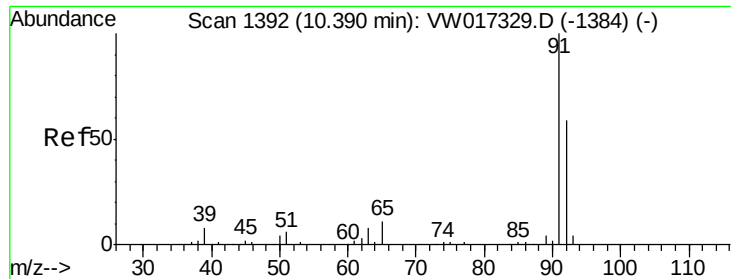
Ion Ratio Lower Upper

43 100

58 40.6 33.4 50.2

100 20.8 16.3 24.5





#44

Toluene

Concen: 25.214 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017357.D

Acq: 19 Nov 2020 08:57

Instrument :

MSVOA_W

ClientSampleId :

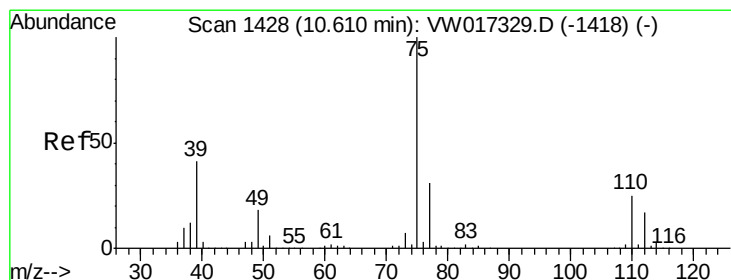
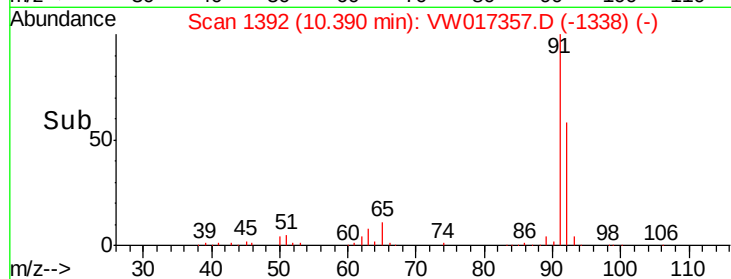
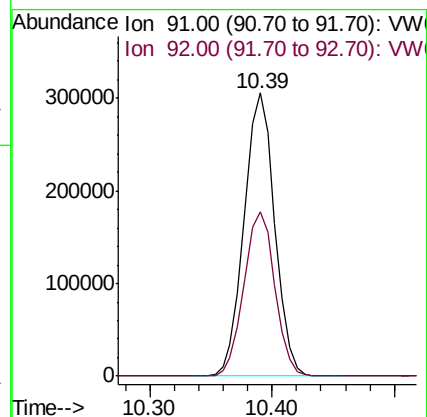
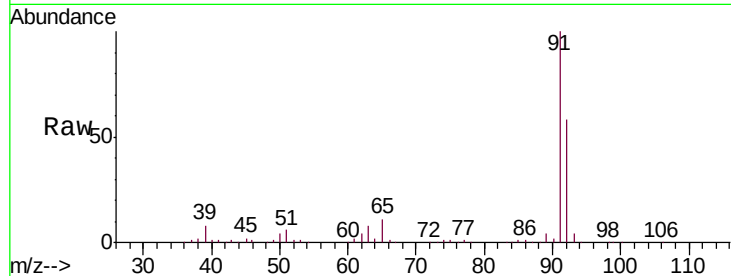
VSTD02514

Tgt Ion: 91 Resp: 530681

Ion Ratio Lower Upper

91 100

92 58.0 41.4 76.8



#45

trans-1,3-Dichloropropene

Concen: 24.603 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW017357.D

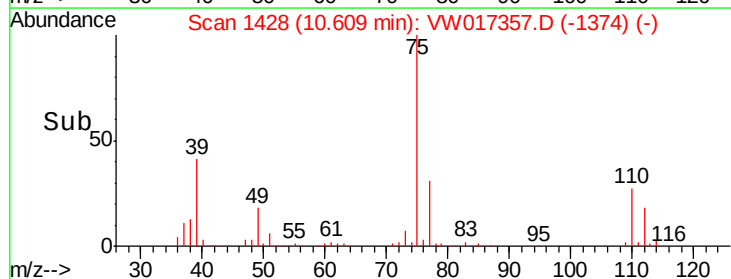
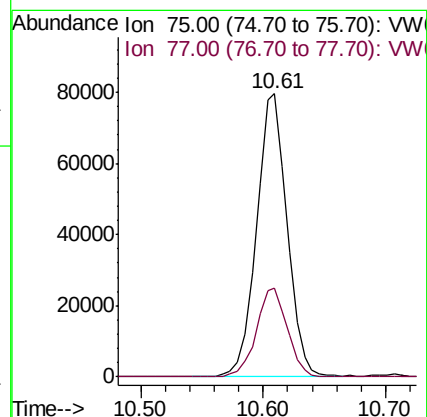
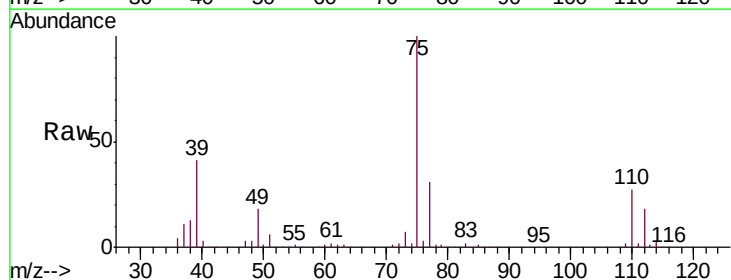
Acq: 19 Nov 2020 08:57

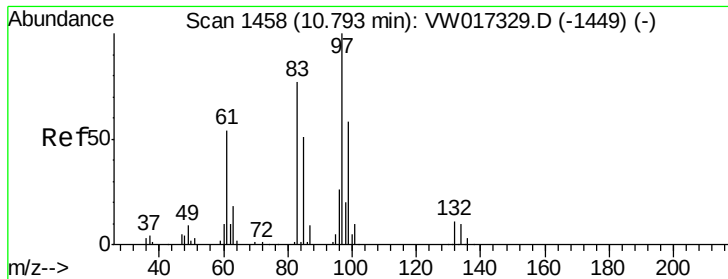
Tgt Ion: 75 Resp: 138846

Ion Ratio Lower Upper

75 100

77 31.3 22.0 40.8





#46

1,1,2-Trichloroethane

Concen: 23.840 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.01 min

Lab File: VW017357.D

Acq: 19 Nov 2020 08:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

Tgt Ion: 97 Resp: 80605

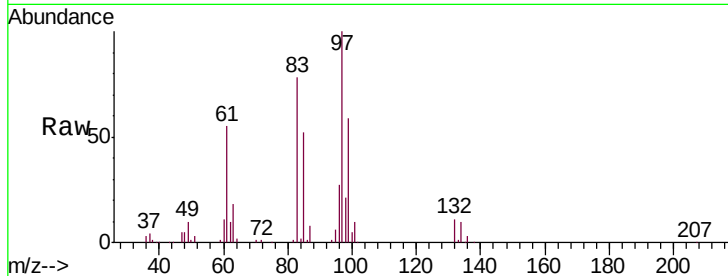
Ion Ratio Lower Upper

97 100

83 77.8 56.6 105.2

85 52.4 37.7 69.9

99 59.4 44.8 83.2

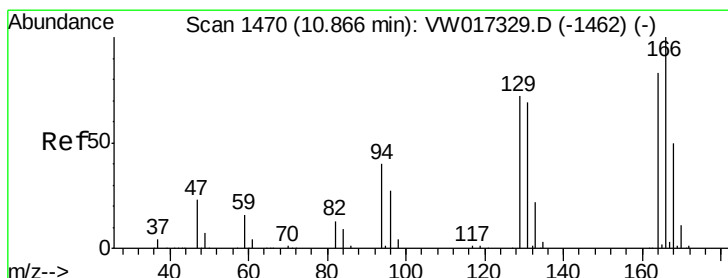
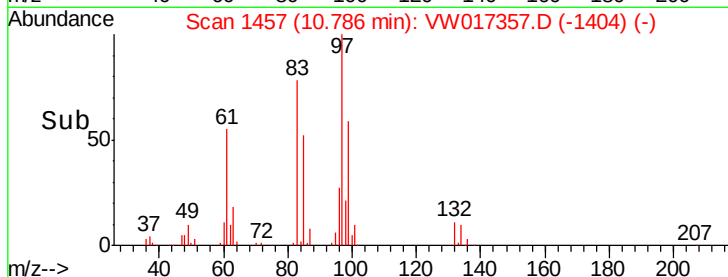
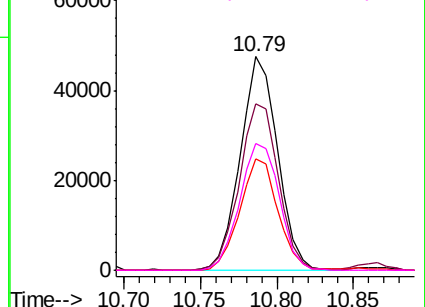


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 25.217 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW017357.D

Acq: 19 Nov 2020 08:57

Tgt Ion: 164 Resp: 122712

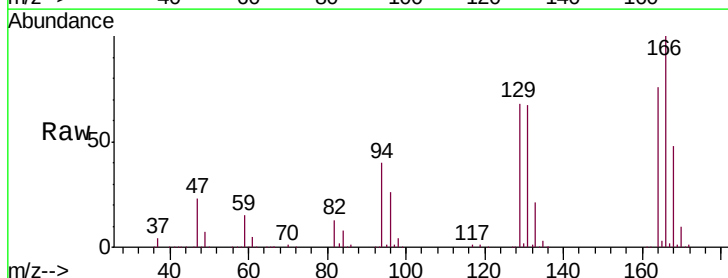
Ion Ratio Lower Upper

164 100

129 90.6 60.6 112.6

131 88.3 60.4 112.2

166 132.4 88.6 164.6

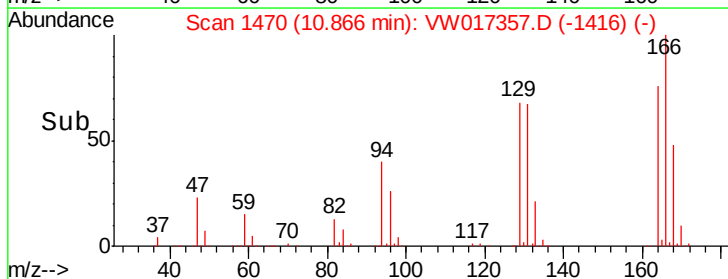
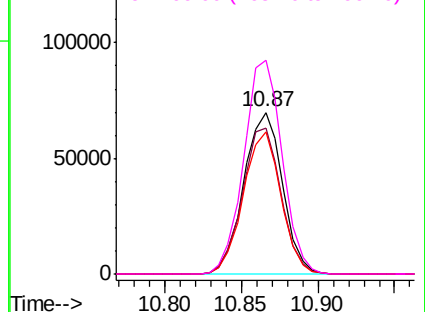


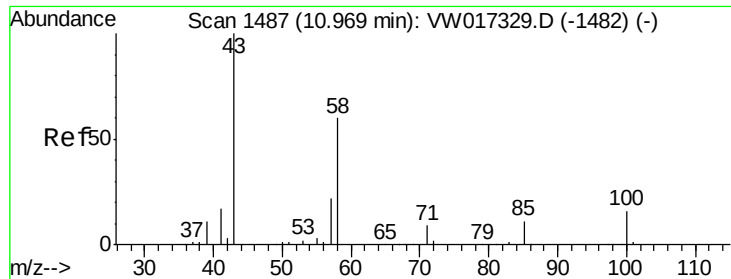
Abundance Ion 164.00 (163.70 to 164.70): V

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: 45.522 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW017357.D

Acq: 19 Nov 2020 08:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

Tgt Ion: 43 Resp: 58363

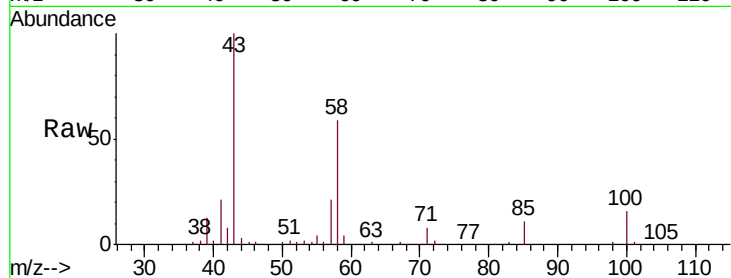
Ion Ratio Lower Upper

43 100

58 57.8 49.4 74.0

57 20.8 17.0 25.4

100 15.7 13.1 19.7



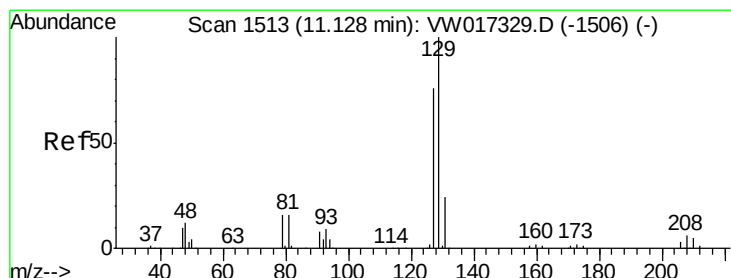
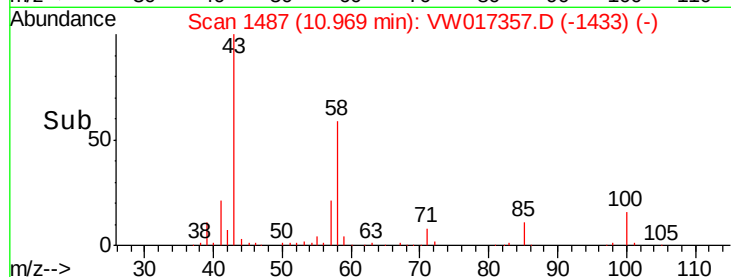
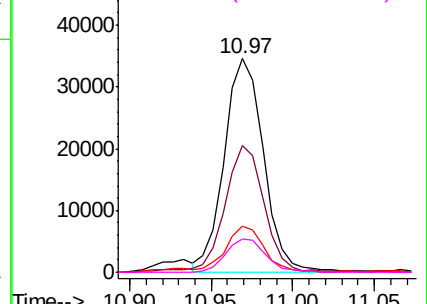
Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 24.272 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW017357.D

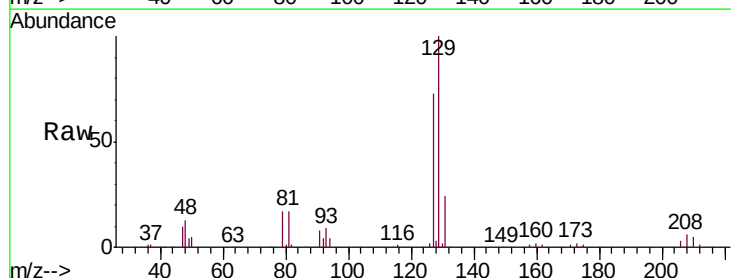
Acq: 19 Nov 2020 08:57

Tgt Ion: 129 Resp: 104931

Ion Ratio Lower Upper

129 100

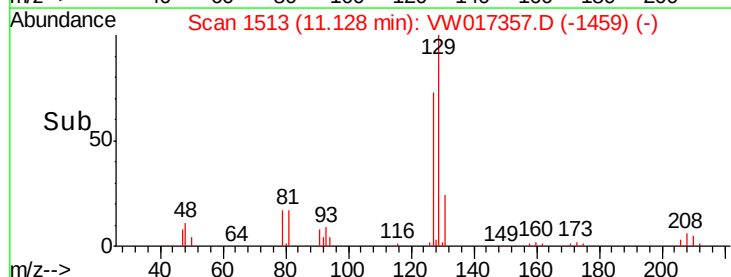
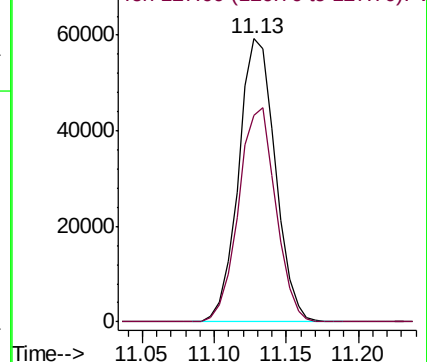
127 73.2 51.8 96.2

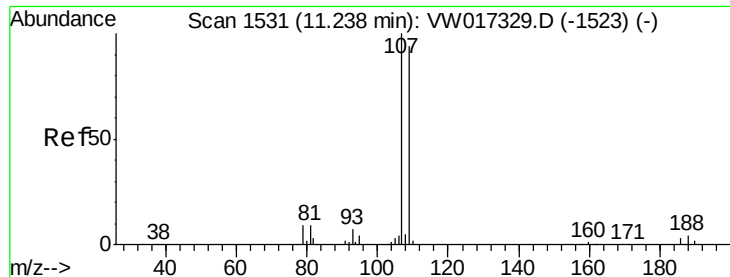


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

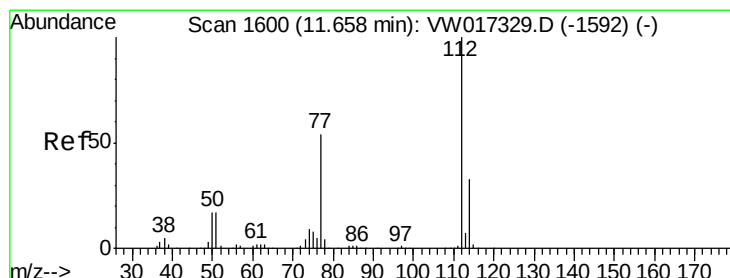
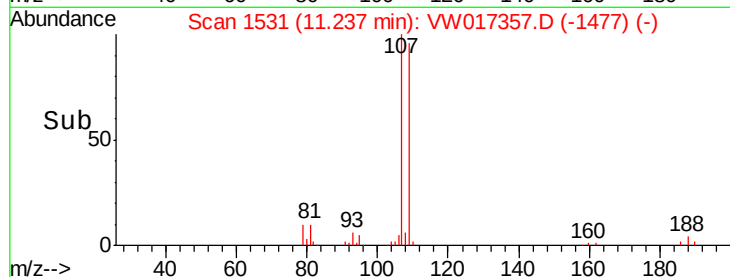
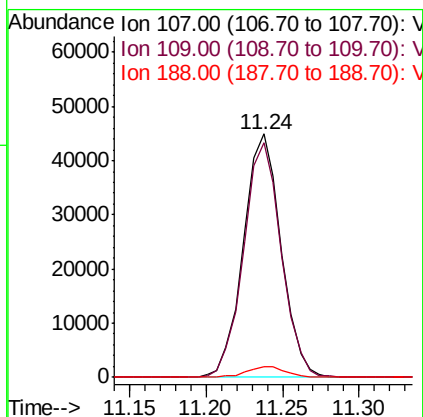
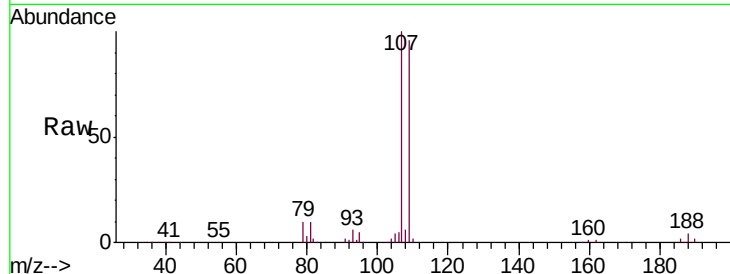




#51
1,2-Dibromoethane
Concen: 23.209 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW017357.D
Acq: 19 Nov 2020 08:57

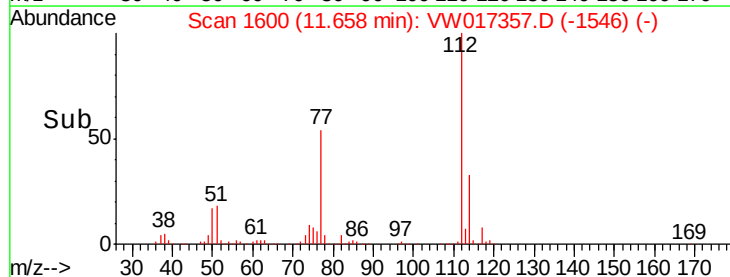
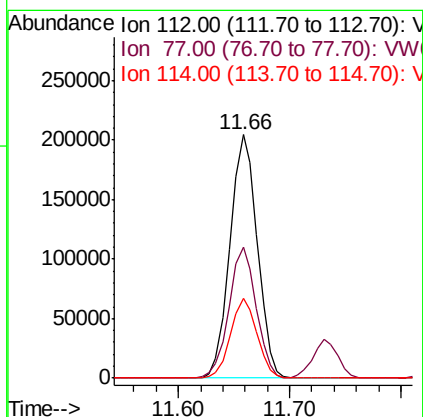
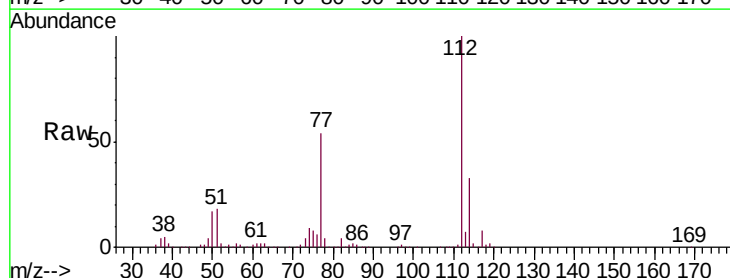
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

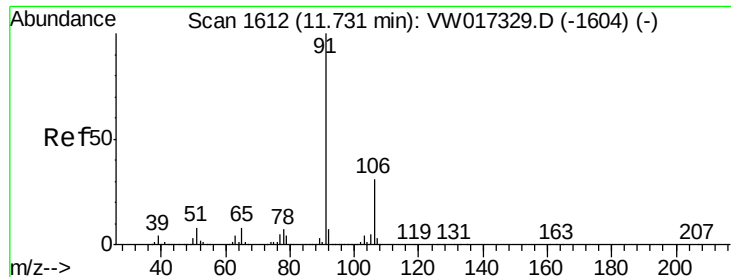
Tgt Ion:107 Resp: 76974
Ion Ratio Lower Upper
107 100
109 96.2 68.2 126.6
188 4.3 3.3 4.9



#52
Chlorobenzene
Concen: 24.701 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW017357.D
Acq: 19 Nov 2020 08:57

Tgt Ion:112 Resp: 346187
Ion Ratio Lower Upper
112 100
77 54.0 42.2 63.4
114 32.6 22.1 41.1





#53

Ethylbenzene

Concen: 25.314 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW017357.D

Acq: 19 Nov 2020 08:57

Instrument :

MSVOA_W

ClientSampled :

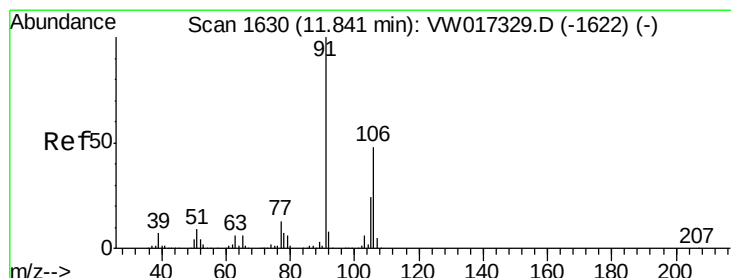
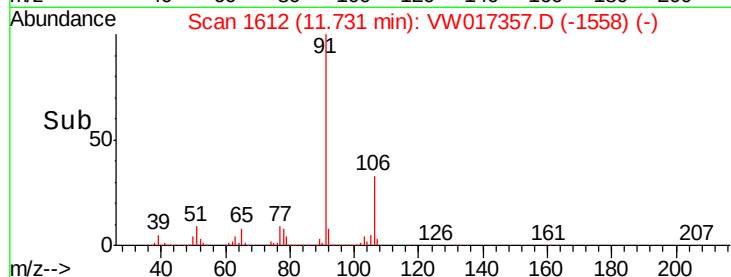
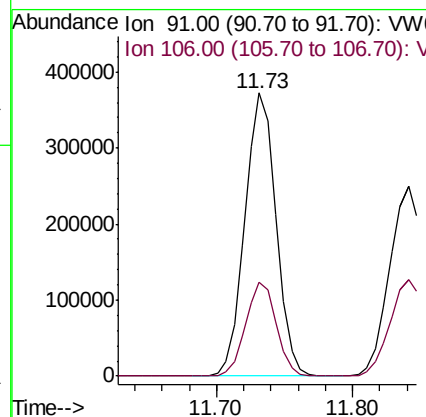
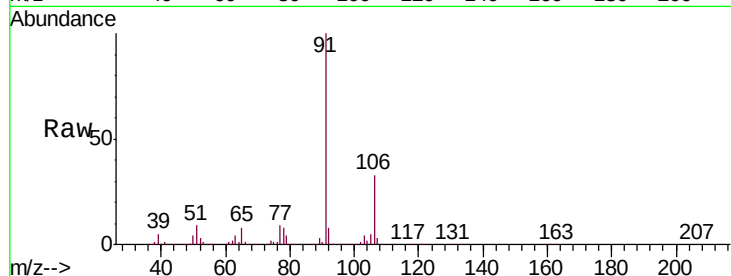
VSTD02514

Tgt Ion: 91 Resp: 597453

Ion Ratio Lower Upper

91 100

106 33.0 20.8 38.6



#54

m,p-Xylene

Concen: 25.712 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW017357.D

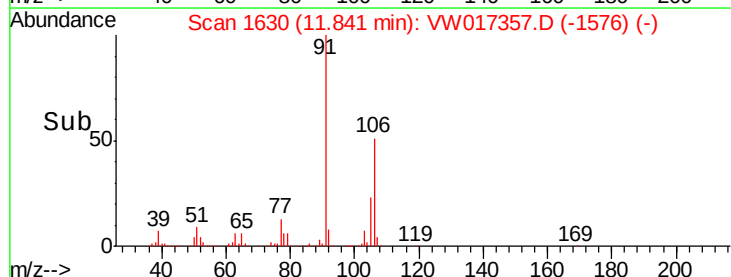
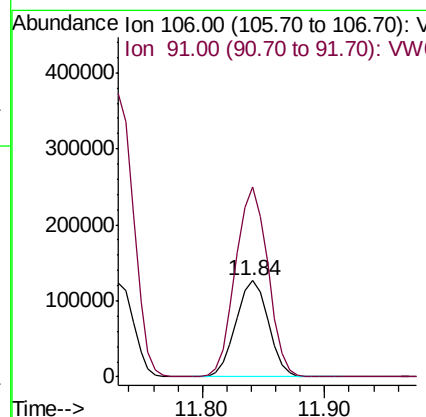
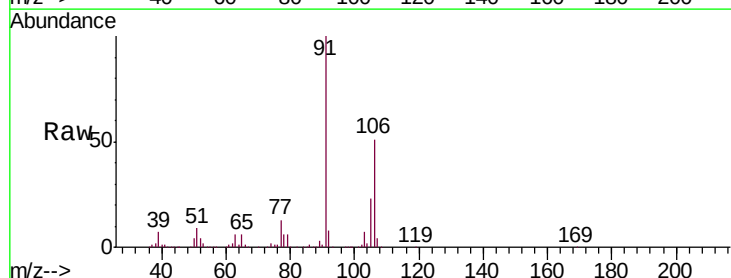
Acq: 19 Nov 2020 08:57

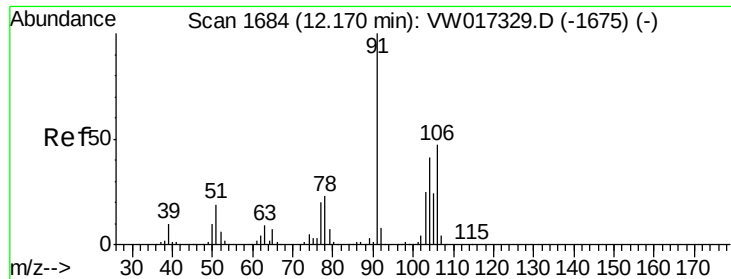
Tgt Ion: 106 Resp: 233841

Ion Ratio Lower Upper

106 100

91 196.8 126.9 235.7

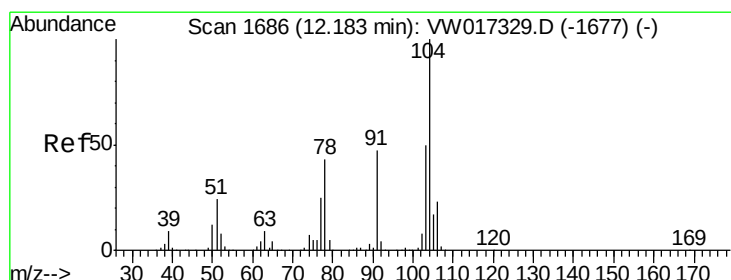
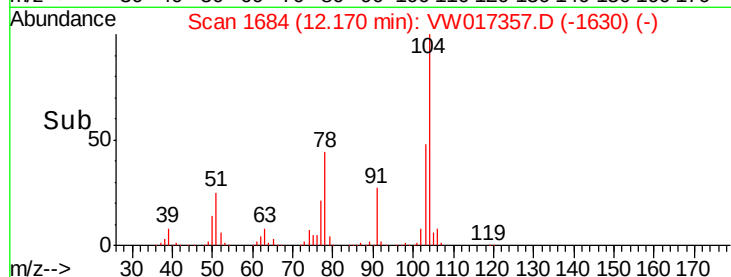
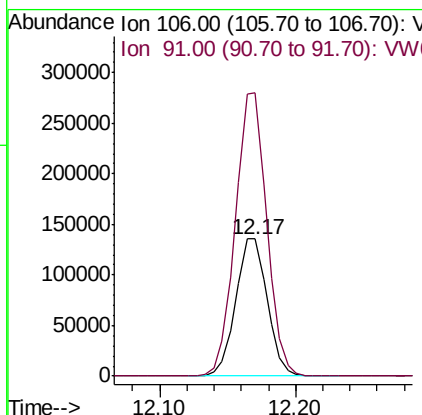
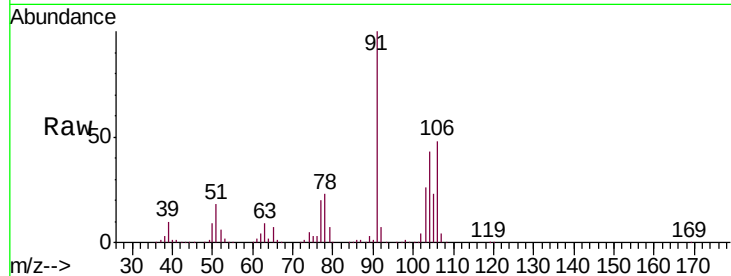




#55
o-xylene
Concen: 25.458 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW017357.D
Acq: 19 Nov 2020 08:57

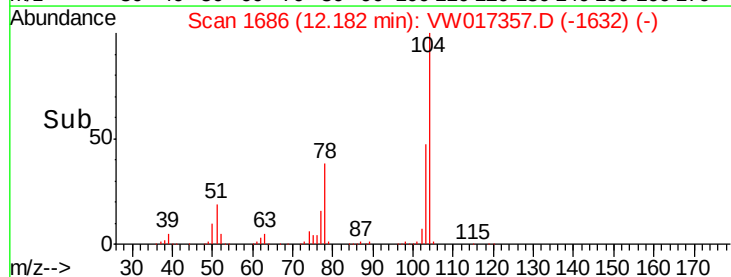
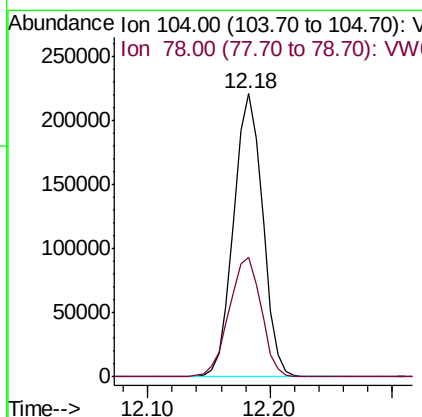
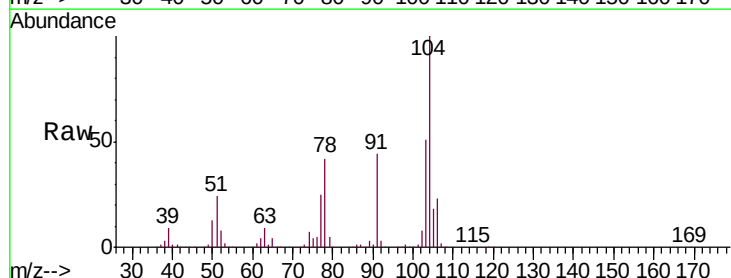
Instrument :
MSVOA_W
ClientSampled :
VSTD02514

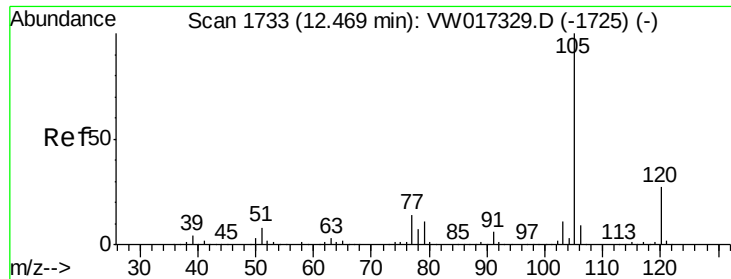
Tgt Ion:106 Resp: 219710
Ion Ratio Lower Upper
106 100
91 206.3 139.5 259.1



#56
Styrene
Concen: 25.445 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW017357.D
Acq: 19 Nov 2020 08:57

Tgt Ion:104 Resp: 364051
Ion Ratio Lower Upper
104 100
78 42.2 29.3 54.5





#57

Isopropylbenzene

Concen: 26.087 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW017357.D

Acq: 19 Nov 2020 08:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

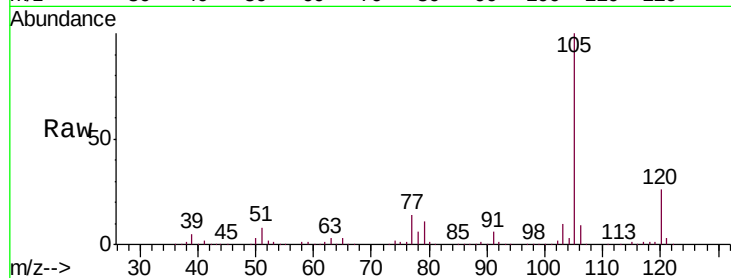
Tgt Ion: 105 Resp: 616550

Ion Ratio Lower Upper

105 100

120 27.0 21.6 32.4

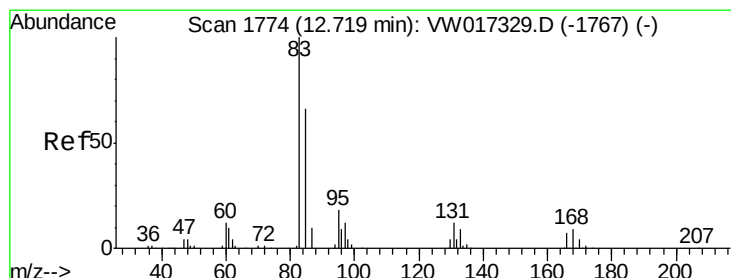
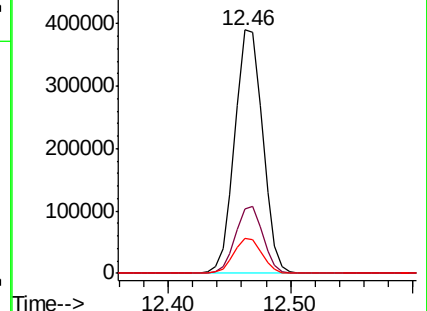
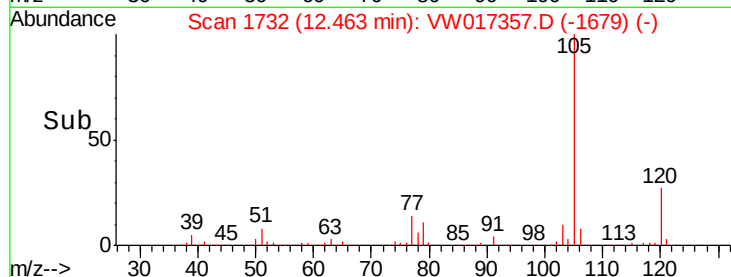
77 14.4 11.8 17.6



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: 23.079 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW017357.D

Acq: 19 Nov 2020 08:57

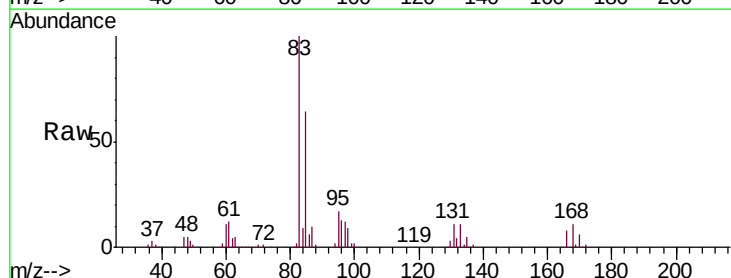
Tgt Ion: 83 Resp: 84522

Ion Ratio Lower Upper

83 100

85 64.3 44.2 82.0

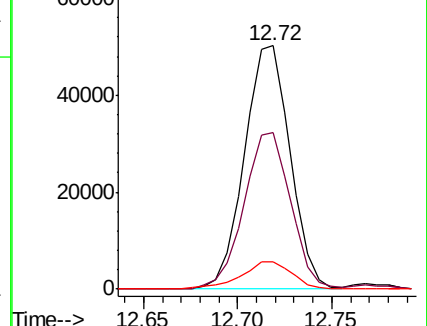
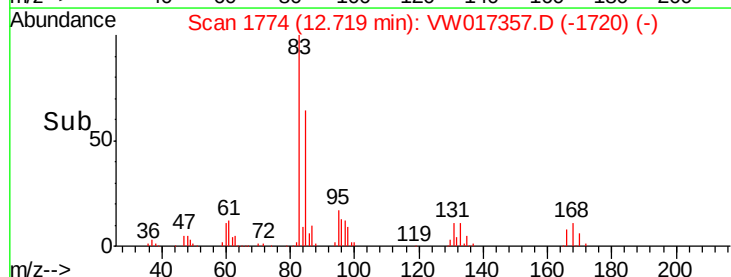
131 11.3 8.7 13.1

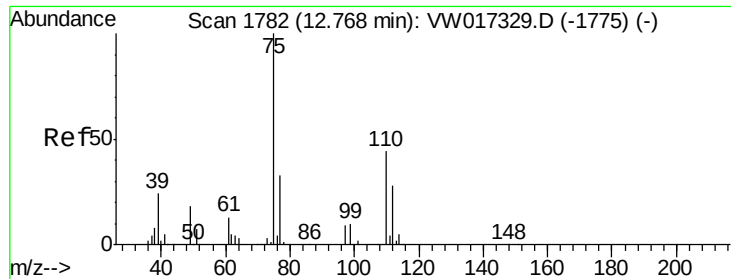


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

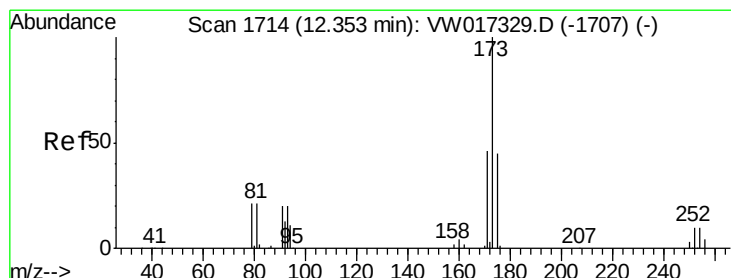
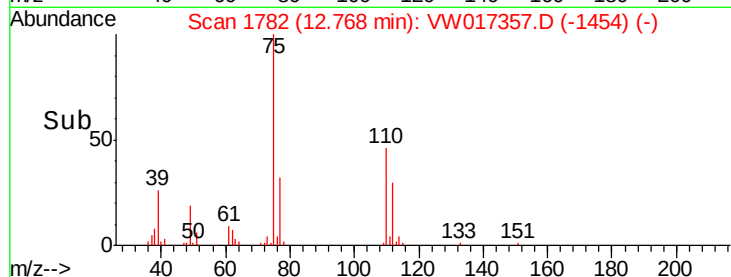
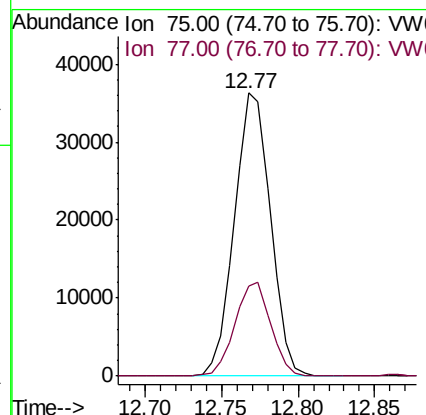
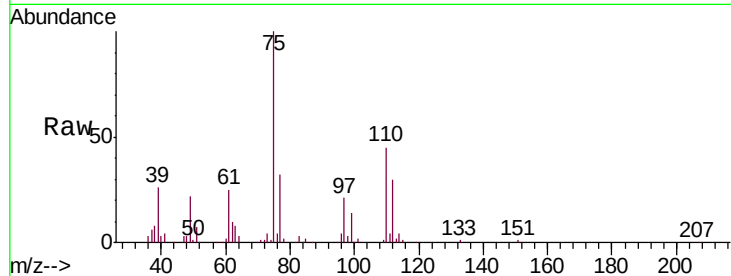




#59
 1,2,3-Trichloropropane
 Concen: 22.509 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW017357.D
 Acq: 19 Nov 2020 08:57

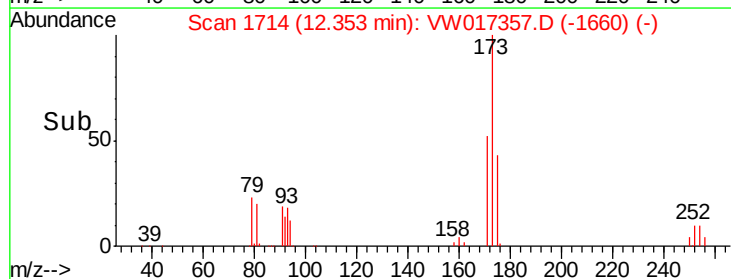
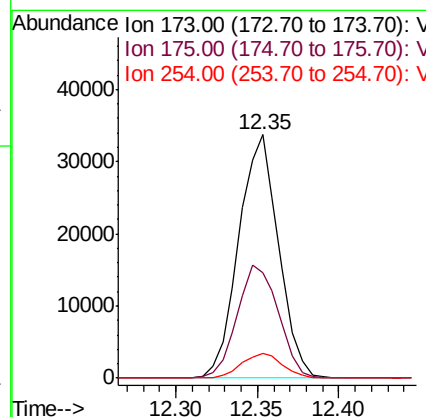
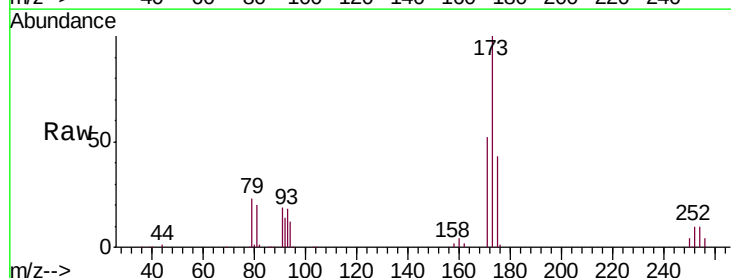
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

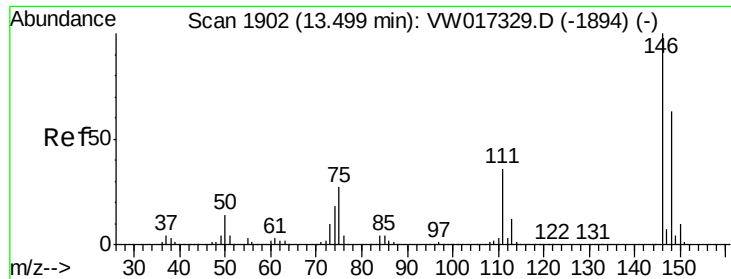
Tgt Ion: 75 Resp: 59529
 Ion Ratio Lower Upper
 75 100
 77 33.0 26.6 40.0



#62
 Bromoform
 Concen: 23.538 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: VW017357.D
 Acq: 19 Nov 2020 08:57

Tgt Ion: 173 Resp: 57253
 Ion Ratio Lower Upper
 173 100
 175 48.1 40.0 60.0
 254 10.4 8.0 12.0





#63

1,3-Dichlorobenzene

Concen: 24.428 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW017357.D

Acq: 19 Nov 2020 08:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

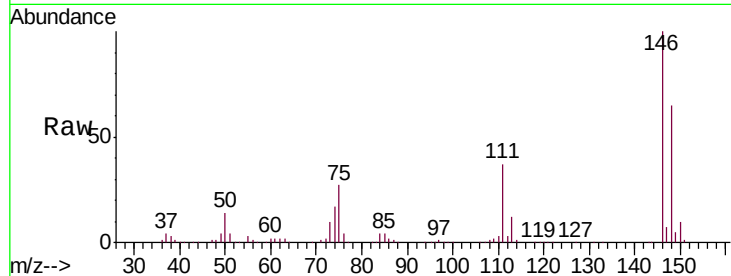
Tgt Ion:146 Resp: 275199

Ion Ratio Lower Upper

146 100

111 36.8 24.5 45.5

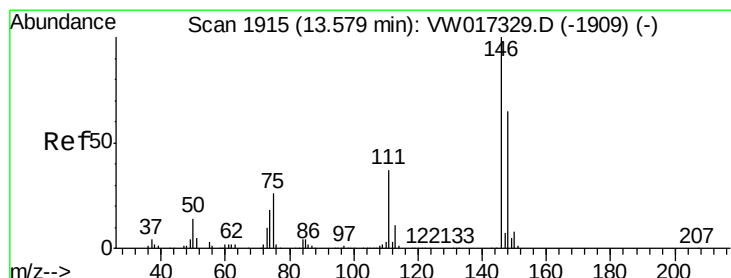
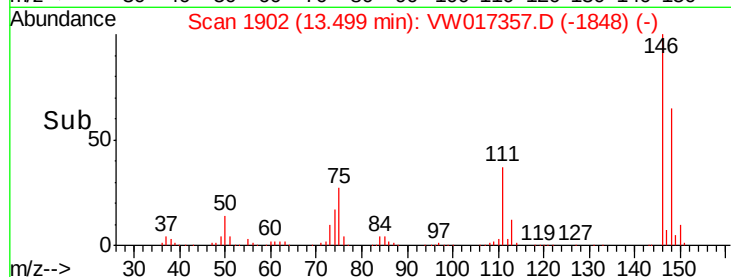
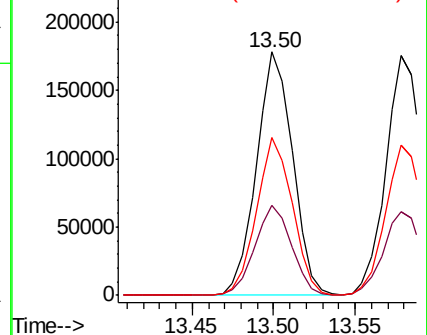
148 64.9 40.4 75.0



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: 24.615 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW017357.D

Acq: 19 Nov 2020 08:57

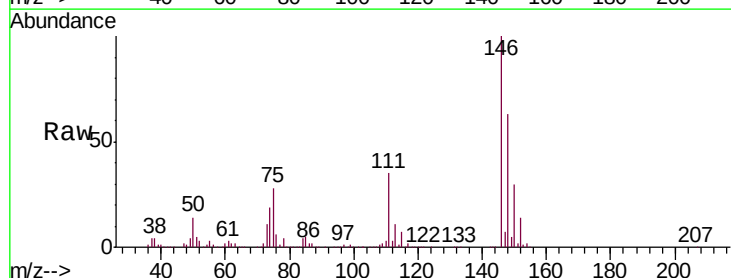
Tgt Ion:146 Resp: 273604

Ion Ratio Lower Upper

146 100

111 35.0 26.2 48.8

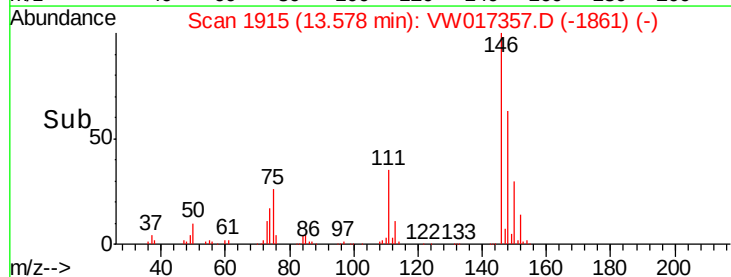
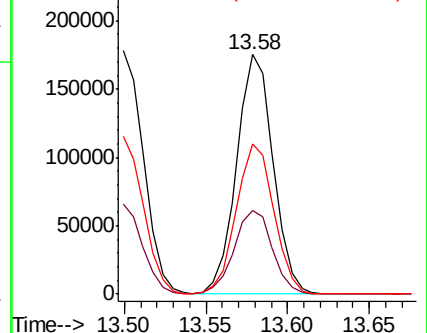
148 62.8 45.2 84.0

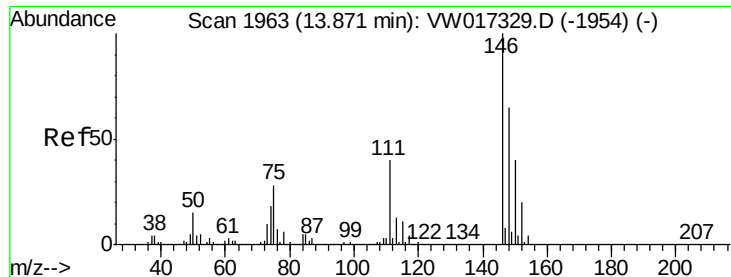


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

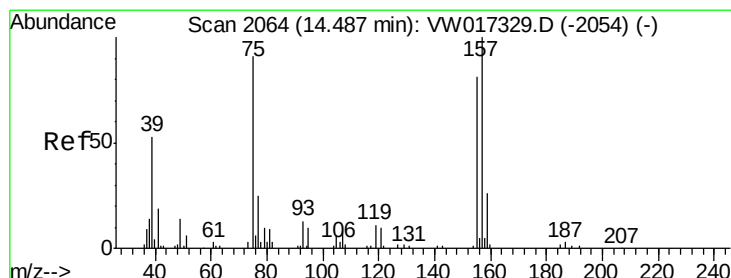
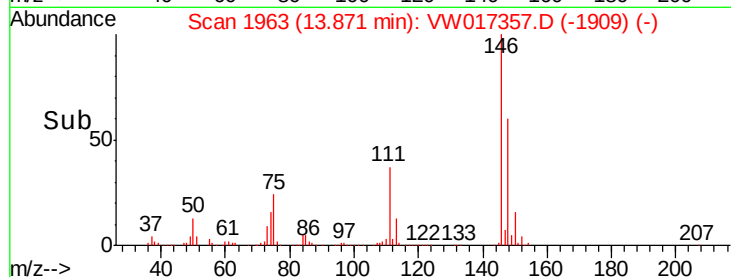
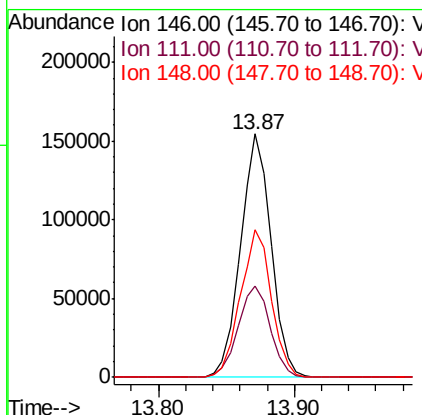
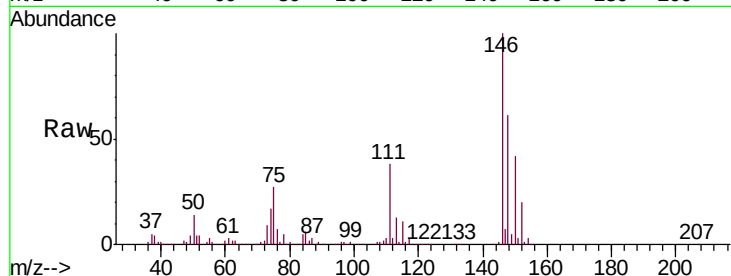




#65
 1,2-Dichlorobenzene
 Concen: 24.673 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW017357.D
 Acq: 19 Nov 2020 08:57

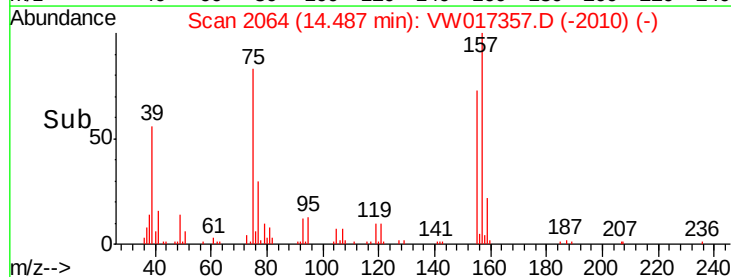
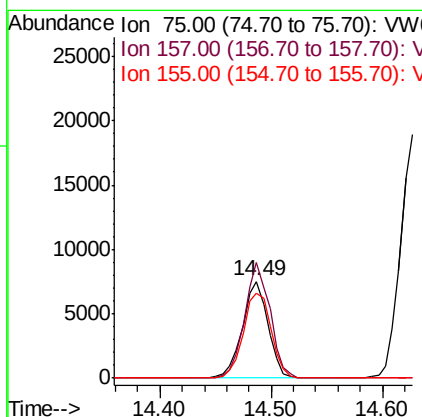
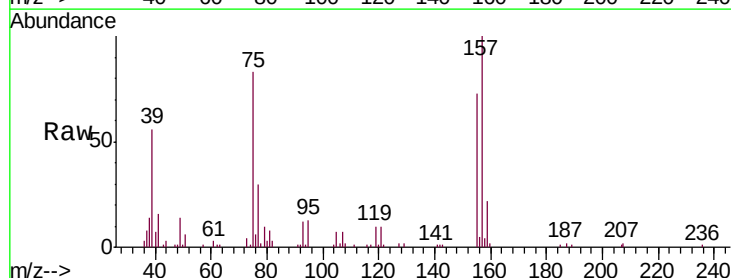
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

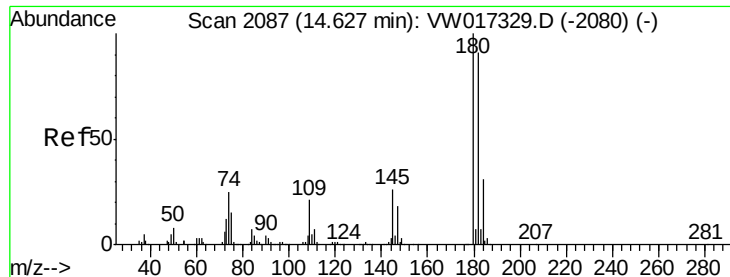
Tgt Ion: 146 Resp: 241589
 Ion Ratio Lower Upper
 146 100
 111 37.6 30.8 46.2
 148 60.5 49.0 73.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.126 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW017357.D
 Acq: 19 Nov 2020 08:57

Tgt Ion: 75 Resp: 12075
 Ion Ratio Lower Upper
 75 100
 157 119.9 106.7 160.1
 155 87.9 70.6 106.0

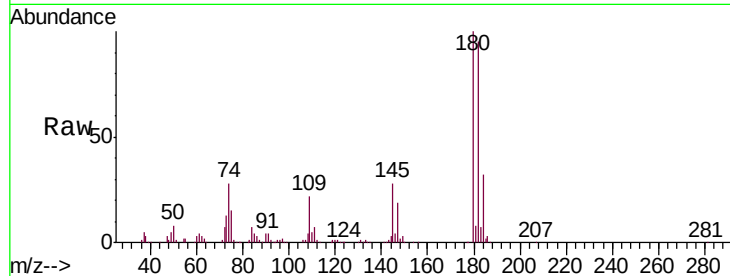




#67
 1,3,5-Trichlorobenzene
 Concen: 25.023 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW017357.D
 Acq: 19 Nov 2020 08:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

Tgt Ion:	180	Resp:	205092
Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.8	115.2
184	29.7	23.9	35.9
145	27.9	22.6	33.8



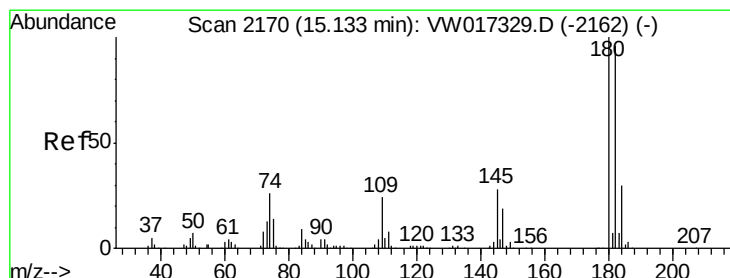
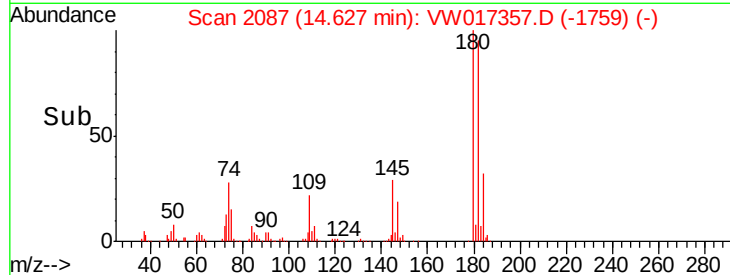
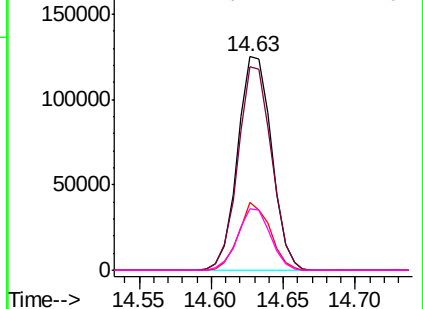
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

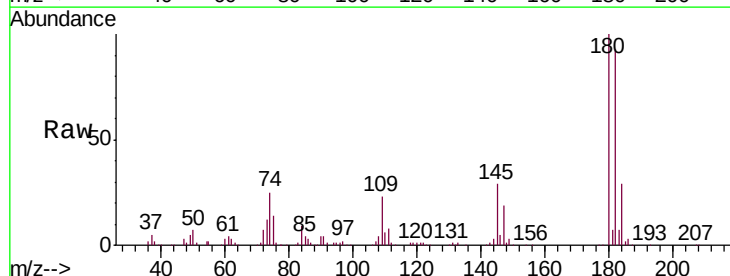
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 23.877 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017357.D
 Acq: 19 Nov 2020 08:57

Tgt Ion:	180	Resp:	150192
Ion	Ratio	Lower	Upper
180	100		
182	93.8	77.0	115.6
145	28.3	22.9	34.3

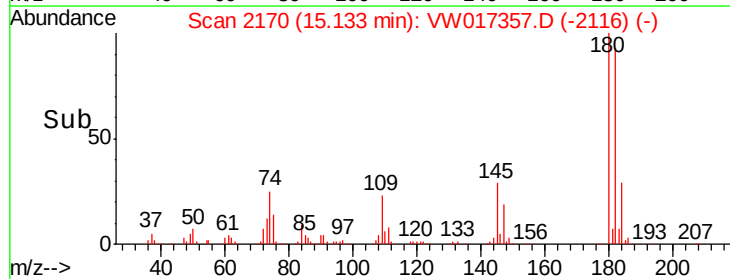
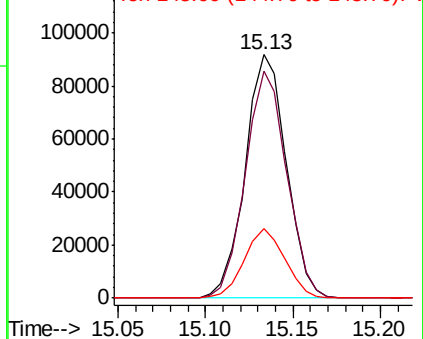


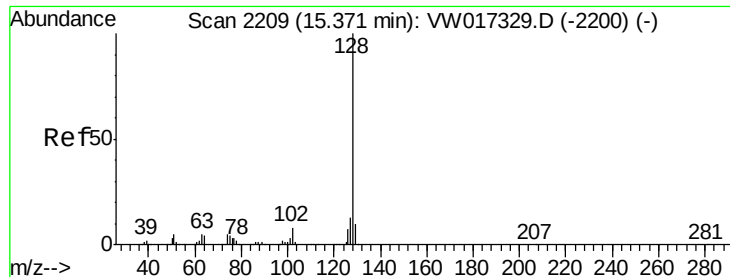
Abundance

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





#69

Naphthalene

Concen: 22.737 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW017357.D

Acq: 19 Nov 2020 08:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

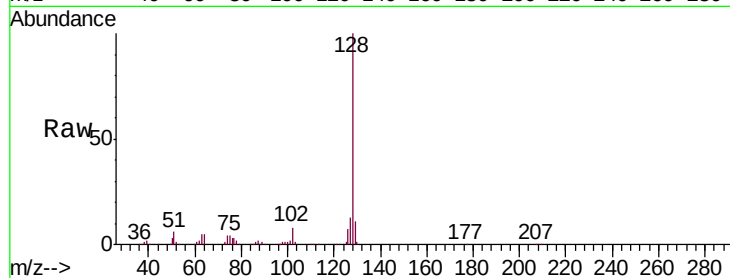
Tgt Ion:128 Resp: 205333

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

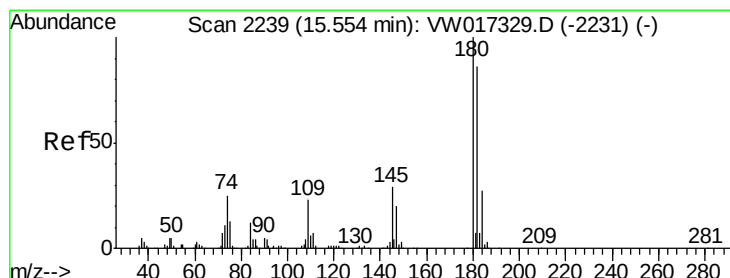
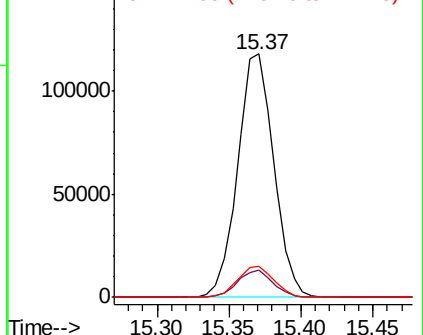
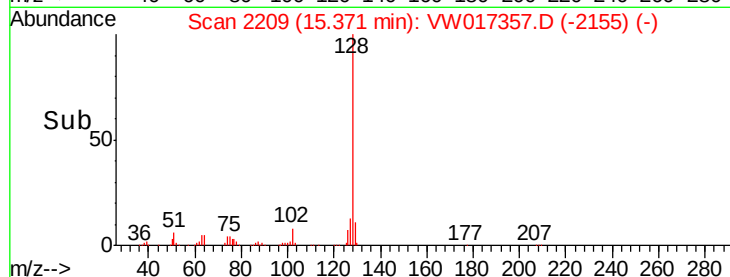
127 12.9 10.4 15.6



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: 23.718 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW017357.D

Acq: 19 Nov 2020 08:57

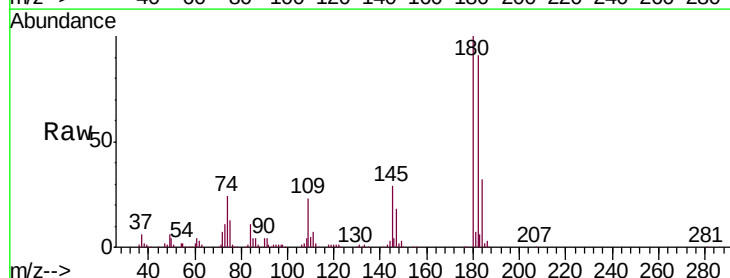
Tgt Ion:180 Resp: 131248

Ion Ratio Lower Upper

180 100

182 92.8 78.6 118.0

145 30.3 25.4 38.0



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

