

Data File : VW017328.D
Acq On : 18 Nov 2020 15:04
Operator : SY/VA
Sample : VSTDICV025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VICV04

Quant Time: Nov 19 04:59:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 18 15:50:14 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	392793	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	364135	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	188308	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	131899	22.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.72%
7) Chloroethane-d5	2.89	69	109265	23.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.60%
10) 1,1-Dichloroethene-d2	4.03	63	236905	23.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.16%
20) 2-Butanone-d5	7.08	46	44602	46.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.40%
24) Chloroform-d	7.65	84	257423	24.95	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	8.31	65	124857	25.04	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.16%
29) Benzene-d6	8.27	84	501316	24.42	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.68%
33) 1,2-Dichloropropane-d6	9.27	67	135177	24.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.88%
37) Toluene-d8	10.32	98	476385	24.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.60%
38) trans-1,3-Dichloropropene-	10.58	79	58909	24.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.96%
39) 2-Hexanone-d5	10.93	63	35621	48.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.16%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	99502	24.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.04%
61) 1,2-Dichlorobenzene-d4	13.85	152	170872	24.58	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.32%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	83119	22.774	ug/L	99
3) Chloromethane	2.21	50	90708	22.856	ug/L	98
5) Vinyl chloride	2.37	62	139964	24.012	ug/L	98
6) Bromomethane	2.78	94	102346	23.384	ug/L	99
8) Chloroethane	2.93	64	87671	24.032	ug/L	98
9) Trichlorofluoromethane	3.26	101	115048	22.183	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	126018	23.413	ug/L	98
12) 1,1-Dichloroethene	4.04	96	123543	23.898	ug/L	91
13) Acetone	4.13	43	30335	43.536	ug/L	95
14) Carbon disulfide	4.39	76	365779	24.089	ug/L	99
15) Methyl Acetate	4.67	43	36298	23.786	ug/L #	76
16) Methylene chloride	4.92	84	145984	21.728	ug/L	94
17) Methyl tert-butyl Ether	5.43	73	148490	24.377	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	131142	23.702	ug/L	96
19) 1,1-Dichloroethane	6.21	63	203375	24.029	ug/L	99
21) 2-Butanone	7.17	43	44201	41.381	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	137635	24.493	ug/L	95

Data File : VW017328.D
Acq On : 18 Nov 2020 15:04
Operator : SY/VA
Sample : VSTDICV025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VICV04

Quant Time: Nov 19 04:59:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 18 15:50:14 2020
Response via : Initial Calibration

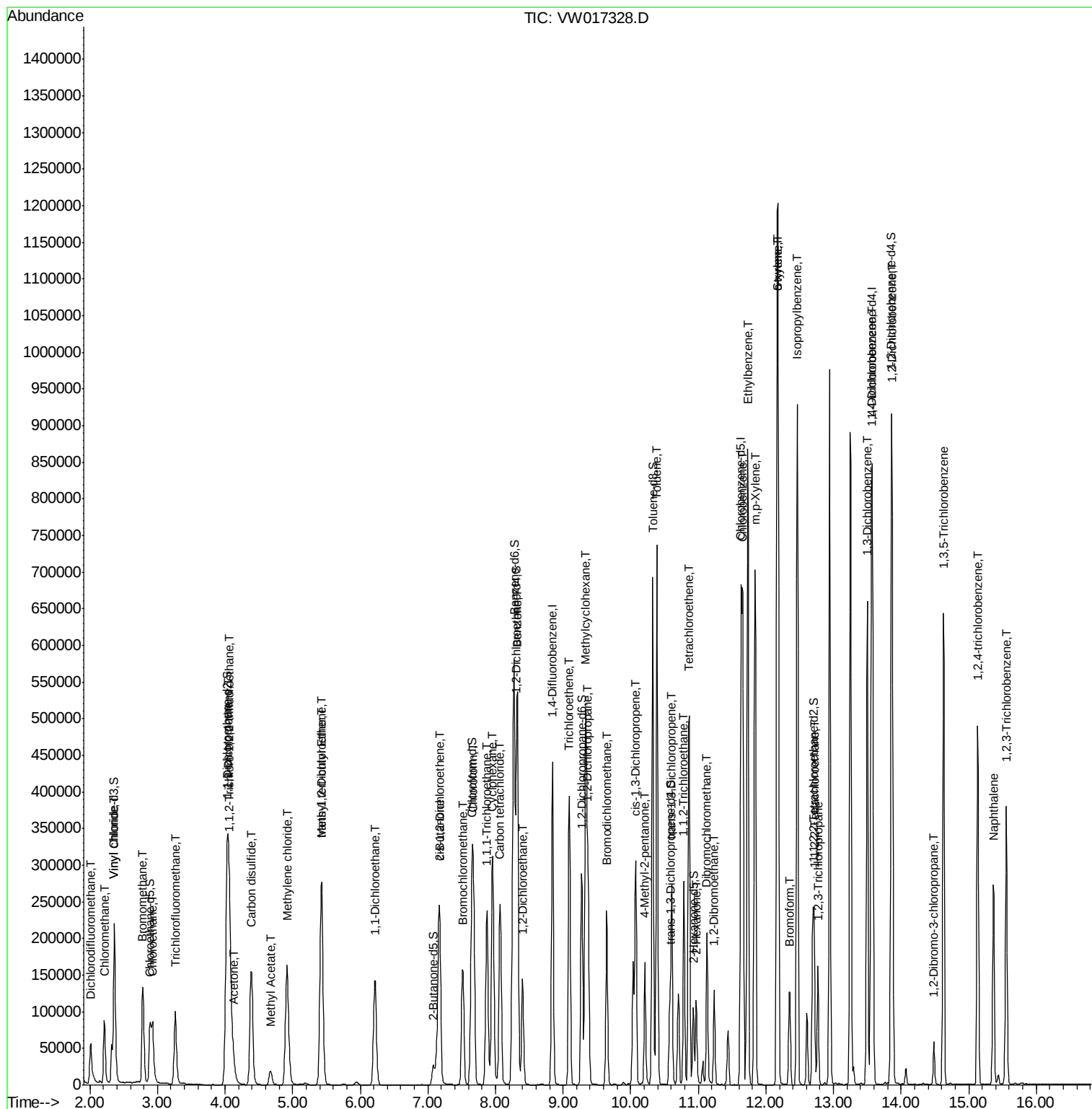
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	64303	24.389	ug/L	99
25) Chloroform	7.68	83	229838	24.282	ug/L	100
27) 1,2-Dichloroethane	8.40	62	134415	24.504	ug/L	100
30) Cyclohexane	7.96	56	171650	23.523	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	200742	23.556	ug/L	100
32) Carbon tetrachloride	8.07	117	191620	23.559	ug/L	98
34) Benzene	8.33	78	486737	23.661	ug/L	100
35) Trichloroethene	9.09	95	136754	23.502	ug/L	99
36) Methylcyclohexane	9.34	83	224139	24.108	ug/L	98
40) 1,2-Dichloropropane	9.37	63	109783	23.594	ug/L	99
41) Bromodichloromethane	9.65	83	159639	24.429	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	177940	24.640	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	99455	43.064	ug/L	98
44) Toluene	10.39	91	541736	23.741	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	149719	24.470	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	88514	24.147	ug/L	99
47) Tetrachloroethene	10.87	164	122154	23.153	ug/L	98
49) 2-Hexanone	10.97	43	67025	48.219	ug/L	96
50) Dibromochloromethane	11.13	129	110762	23.632	ug/L	89
51) 1,2-Dibromoethane	11.24	107	86179	23.967	ug/L	97
52) Chlorobenzene	11.66	112	354238	23.314	ug/L	99
53) Ethylbenzene	11.73	91	617767	24.143	ug/L	97
54) m,p-Xylene	11.84	106	242448	24.589	ug/L	95
55) o-xylene	12.16	106	225199	24.068	ug/L	90
56) Styrene	12.18	104	377229	24.320	ug/L	98
57) Isopropylbenzene	12.46	105	622444	24.292	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	93643	23.585	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	66082	23.047	ug/L	99
62) Bromoform	12.35	173	60941	23.000	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	286324	23.332	ug/L	89
64) 1,4-Dichlorobenzene	13.58	146	283395	23.405	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	259046	24.287	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	13446	22.618	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	206075	23.082	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	162206	23.673	ug/L	100
69) Naphthalene	15.36	128	244333	24.838	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	141841	23.530	ug/L	95

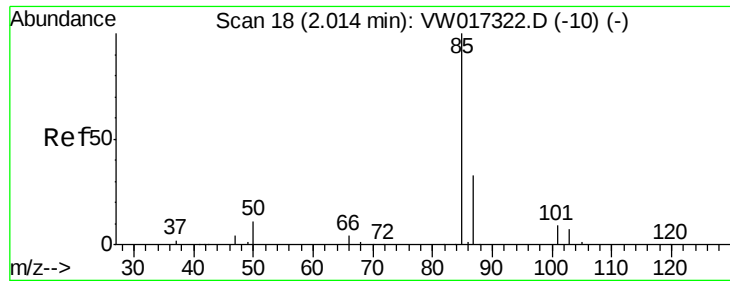
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW017328.D
Acq On : 18 Nov 2020 15:04
Operator : SY/VA
Sample : VSTDICV025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
VICV04

Quant Time: Nov 19 04:59:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 18 15:50:14 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 22.774 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW017328.D

Acq: 18 Nov 2020 15:04

Instrument :

MSVOA_W

ClientSampleId :

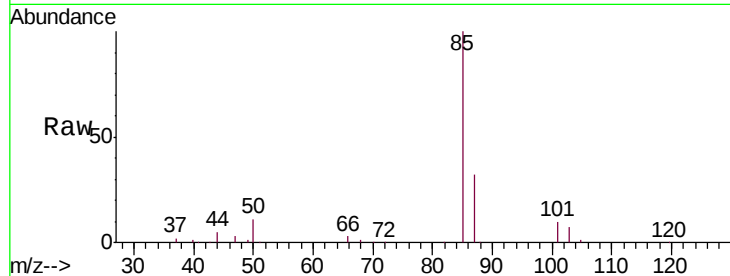
VICV04

Tgt Ion: 85 Resp: 83119

Ion Ratio Lower Upper

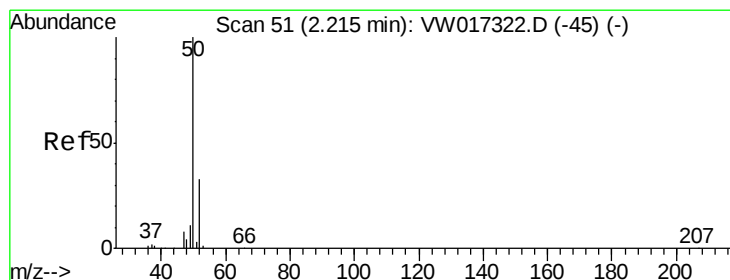
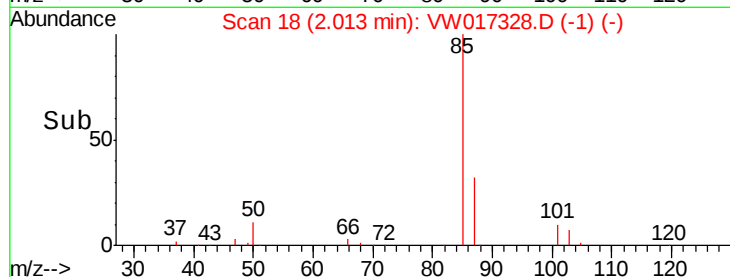
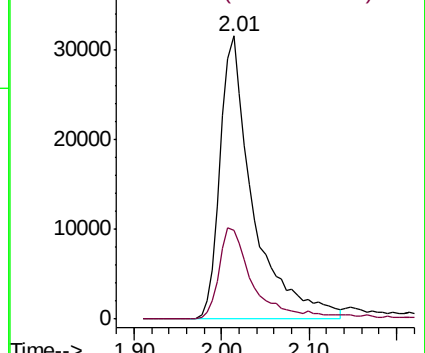
85 100

87 31.4 21.8 40.4



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 22.856 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW017328.D

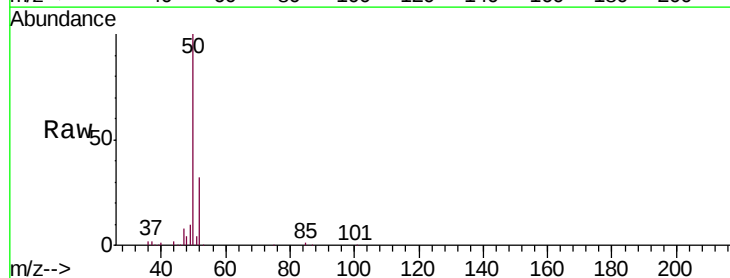
Acq: 18 Nov 2020 15:04

Tgt Ion: 50 Resp: 90708

Ion Ratio Lower Upper

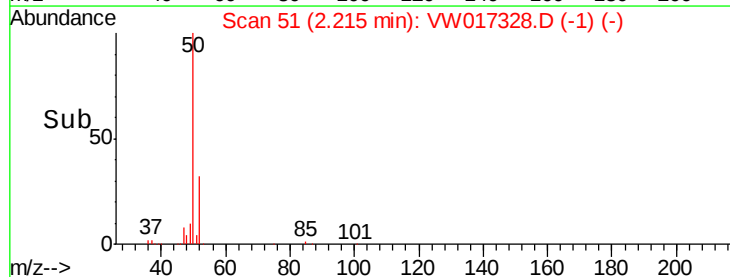
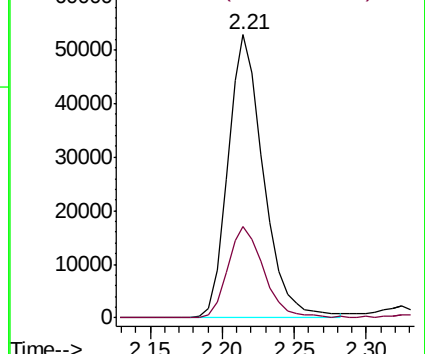
50 100

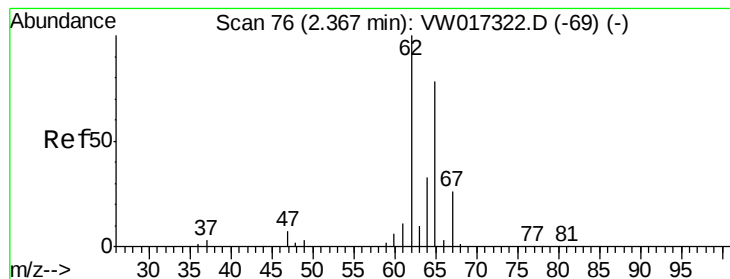
52 32.1 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.012 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017328.D

Acq: 18 Nov 2020 15:04

Instrument :

MSVOA_W

ClientSampleId :

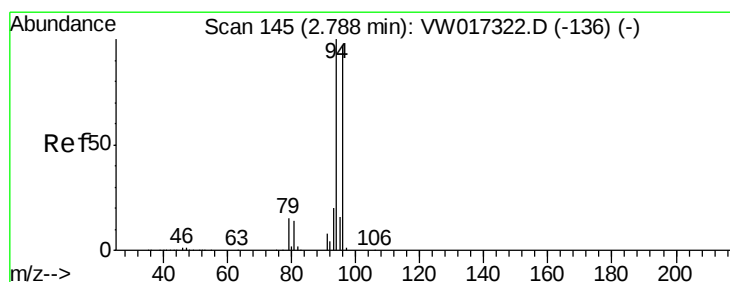
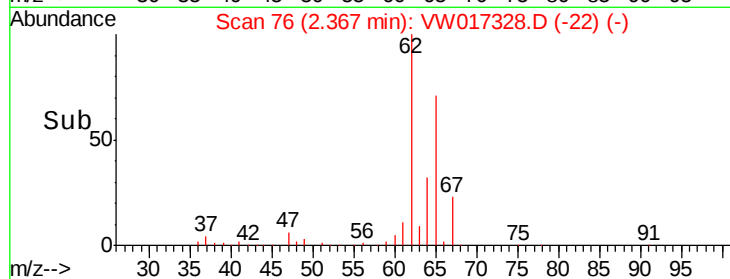
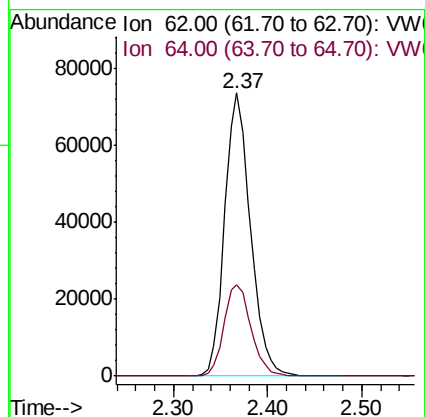
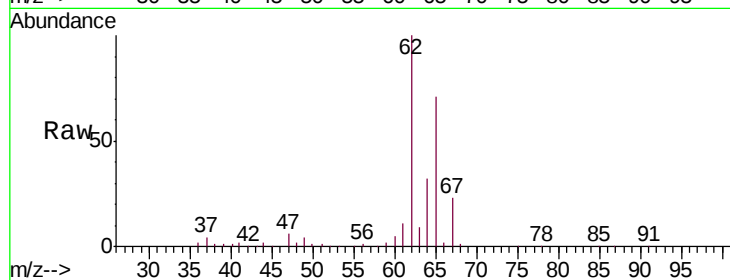
VICV04

Tgt Ion: 62 Resp: 139964

Ion Ratio Lower Upper

62 100

64 32.2 23.4 43.4



#6

Bromomethane

Concen: 23.384 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW017328.D

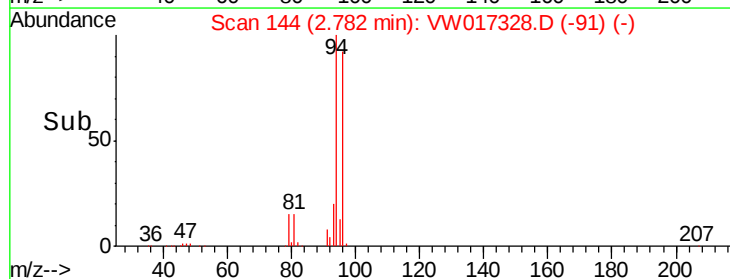
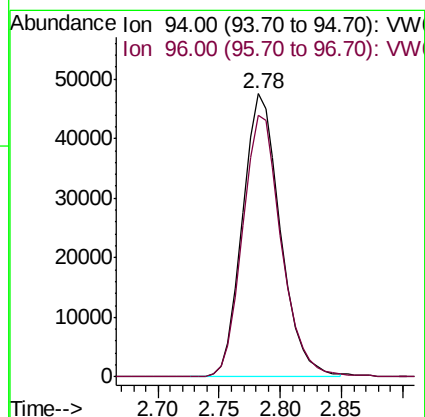
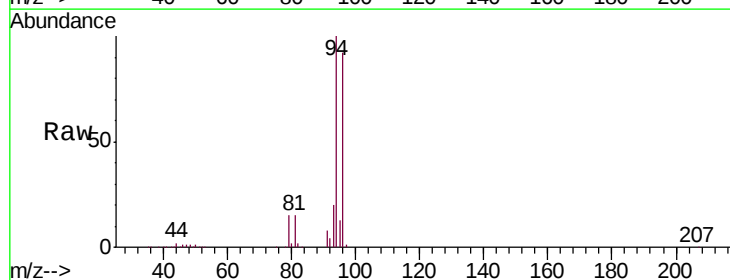
Acq: 18 Nov 2020 15:04

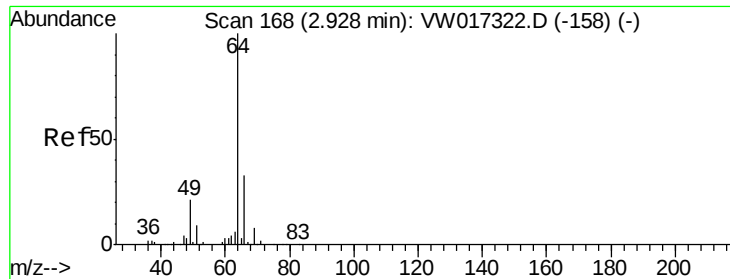
Tgt Ion: 94 Resp: 102346

Ion Ratio Lower Upper

94 100

96 94.5 9.4 178.6





#8

Chloroethane

Concen: 24.032 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW017328.D

Acq: 18 Nov 2020 15:04

Instrument :

MSVOA_W

ClientSampleId :

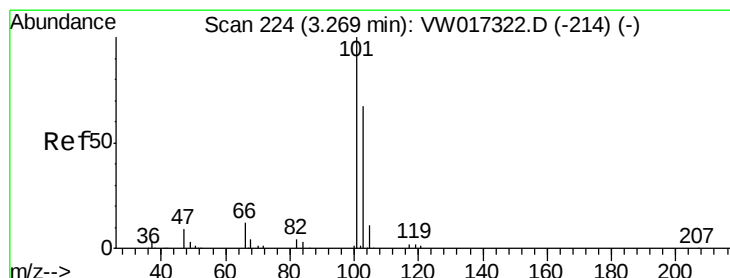
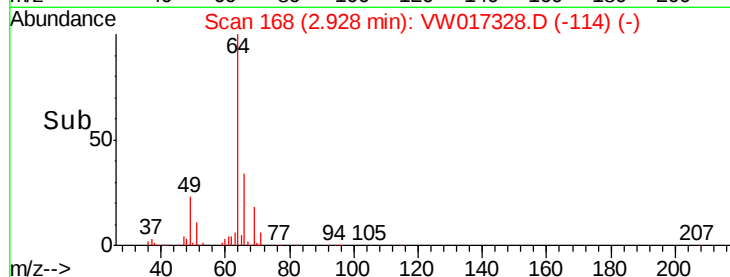
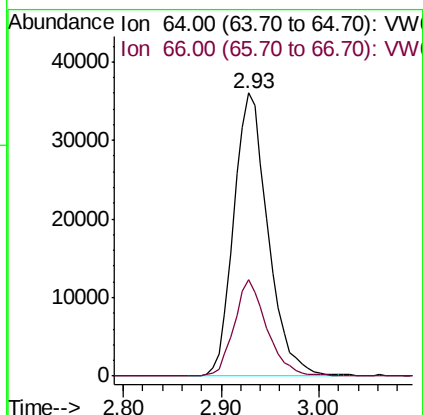
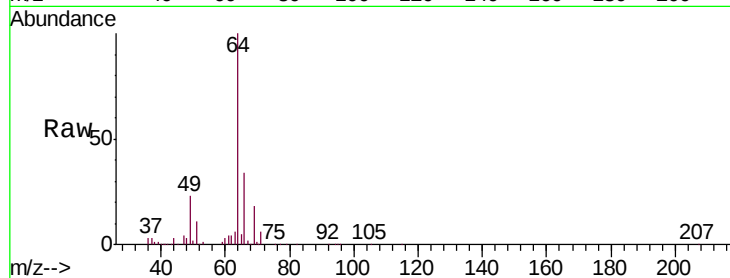
VICV04

Tgt Ion: 64 Resp: 87671

Ion Ratio Lower Upper

64 100

66 34.2 23.2 43.0



#9

Trichlorofluoromethane

Concen: 22.183 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.01 min

Lab File: VW017328.D

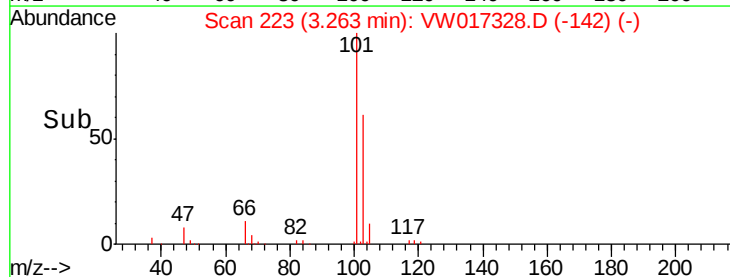
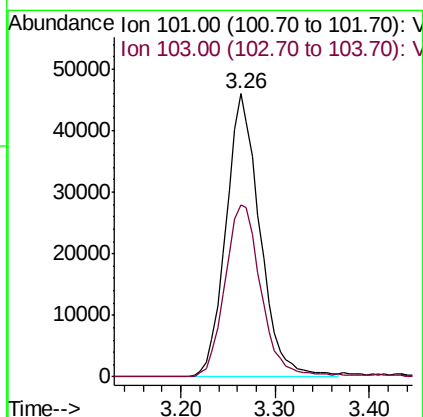
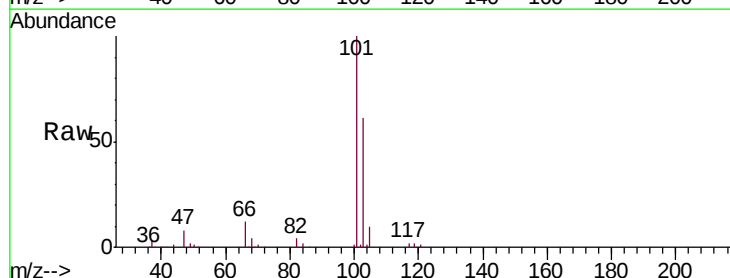
Acq: 18 Nov 2020 15:04

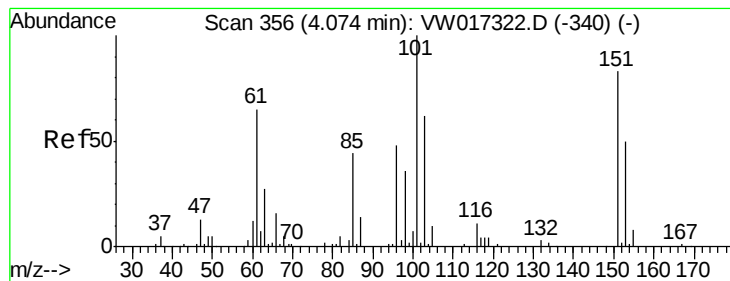
Tgt Ion: 101 Resp: 115048

Ion Ratio Lower Upper

101 100

103 64.6 45.8 85.2





#11

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

Concen: 23.413 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW017328.D

Acq: 18 Nov 2020 15:04

Instrument :

MSVOA_W

ClientSampled :

VICV04

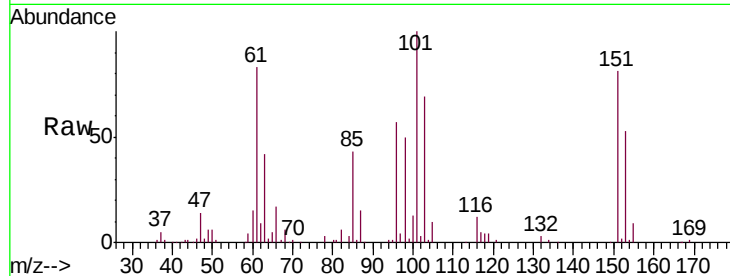
Tgt Ion: 101 Resp: 126018

Ion Ratio Lower Upper

101 100

85 42.5 34.6 51.8

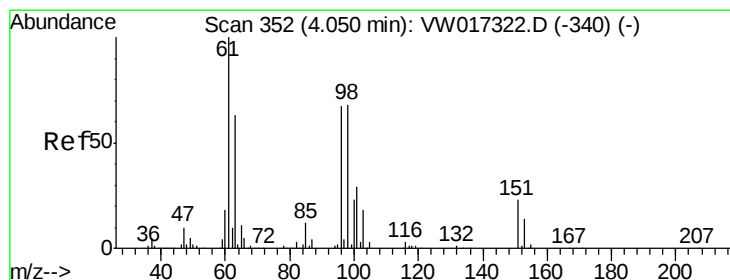
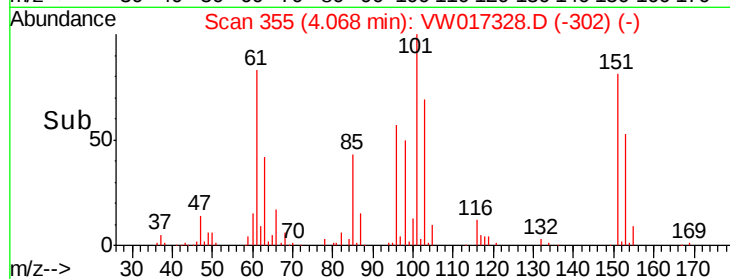
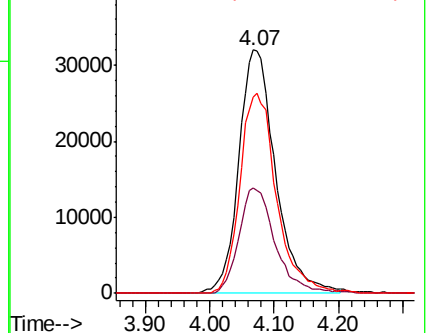
151 81.2 66.3 99.5



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: 23.898 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW017328.D

Acq: 18 Nov 2020 15:04

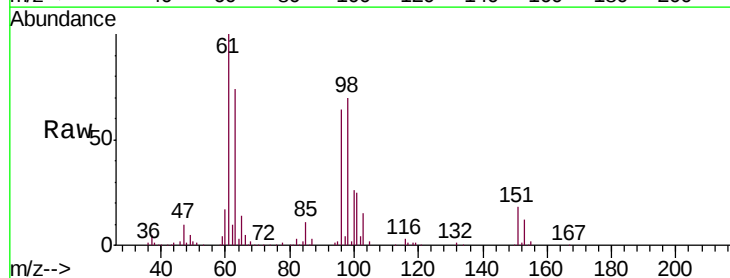
Tgt Ion: 96 Resp: 123543

Ion Ratio Lower Upper

96 100

61 155.1 104.7 194.4

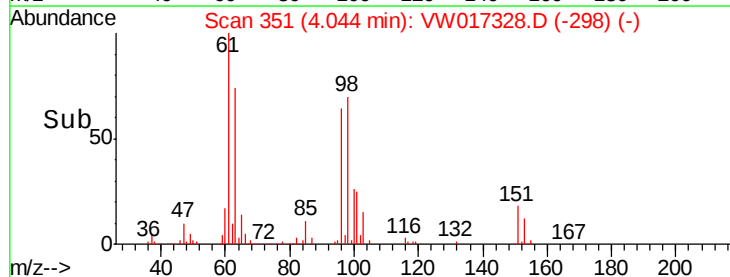
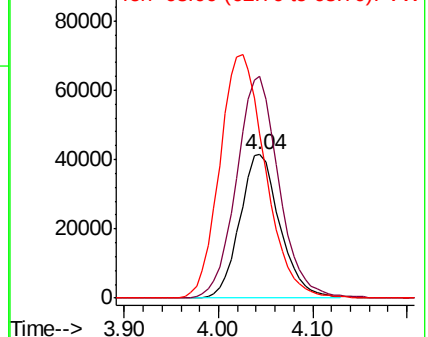
63 114.9 69.6 129.2

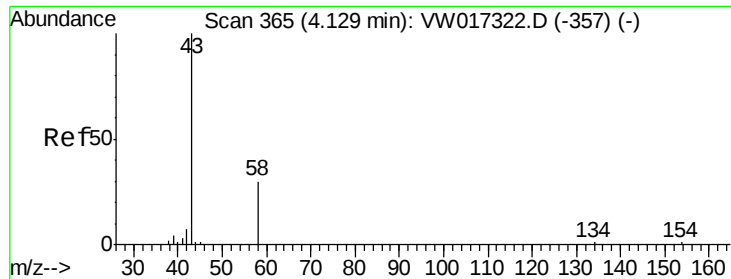


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 43.536 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW017328.D

Acq: 18 Nov 2020 15:04

Instrument :

MSVOA_W

ClientSampled :

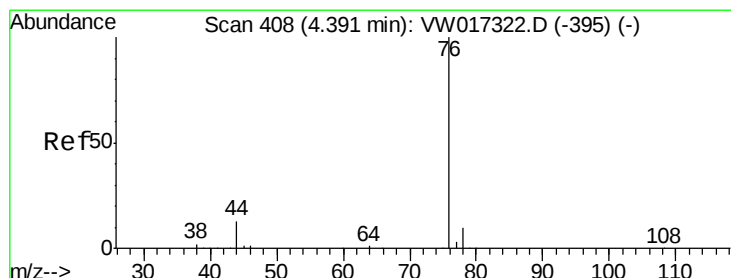
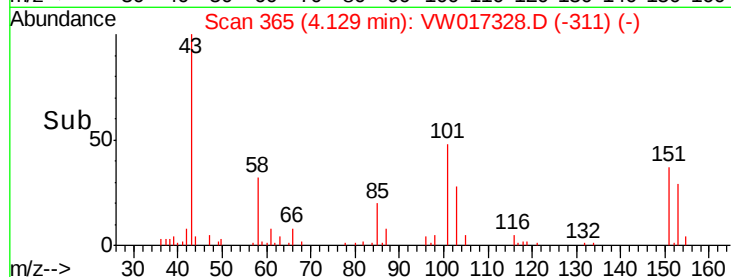
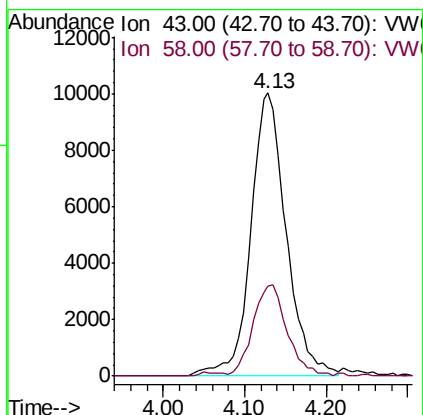
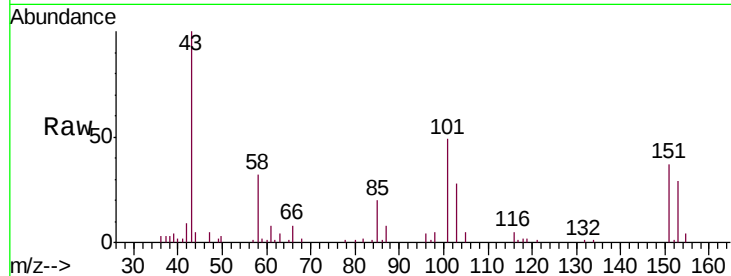
VICV04

Tgt Ion: 43 Resp: 30335

Ion Ratio Lower Upper

43 100

58 30.9 0.0 67.0



#14

Carbon disulfide

Concen: 24.089 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW017328.D

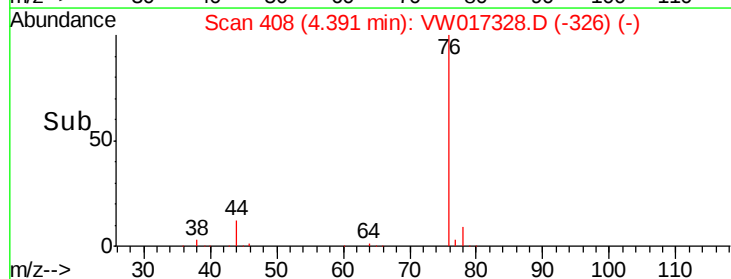
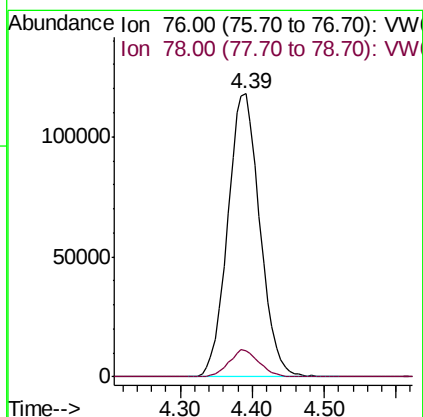
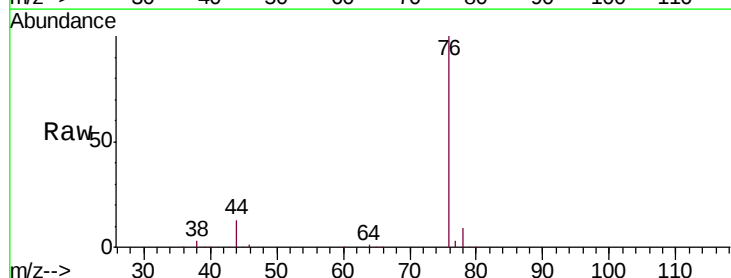
Acq: 18 Nov 2020 15:04

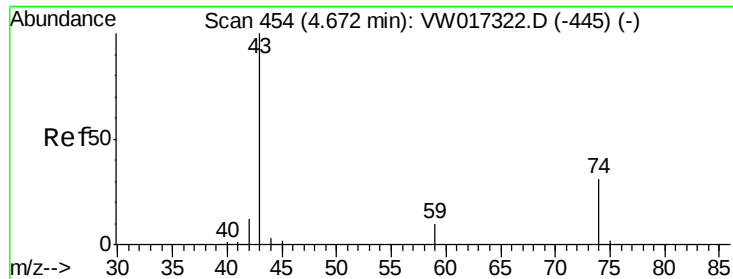
Tgt Ion: 76 Resp: 365779

Ion Ratio Lower Upper

76 100

78 9.3 7.8 11.6

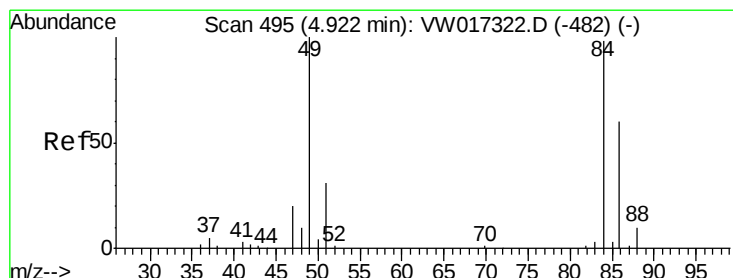
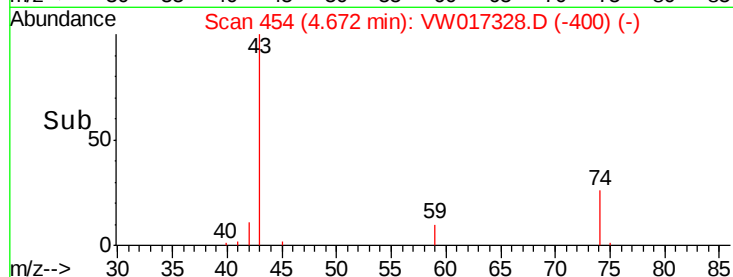
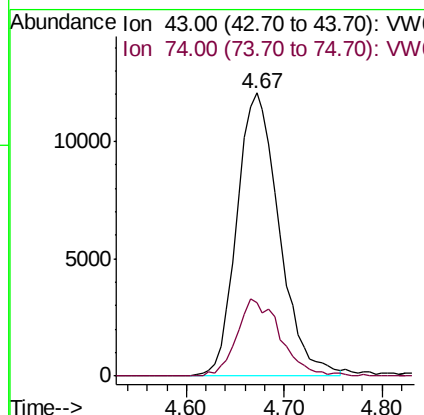
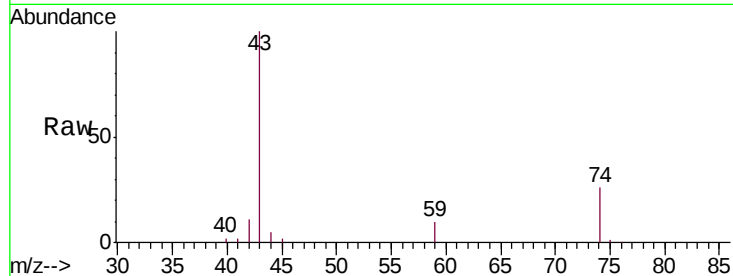




#15
Methyl Acetate
Concen: 23.786 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW017328.D
Acq: 18 Nov 2020 15:04

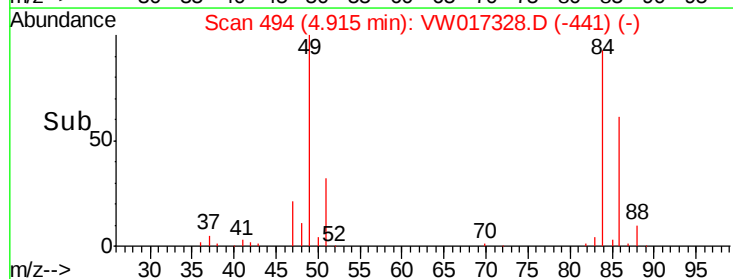
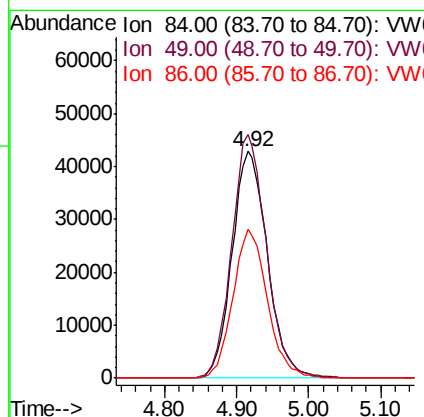
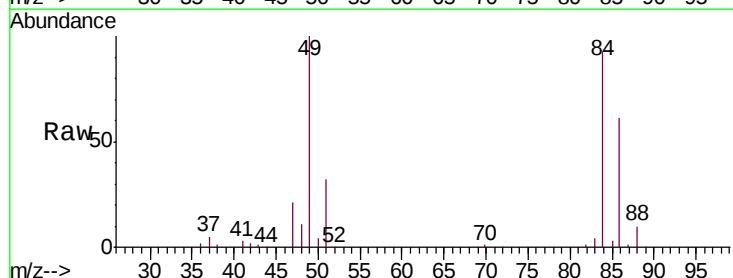
Instrument :
MSVOA_W
ClientSampled :
VICV04

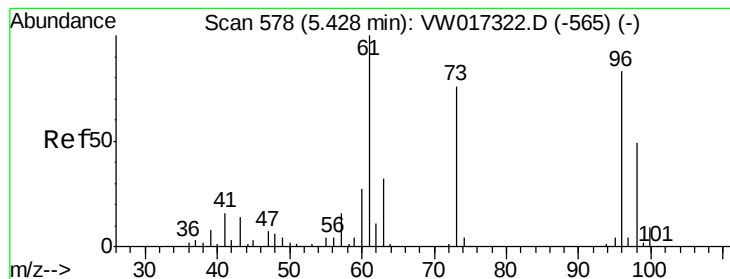
Tgt Ion: 43 Resp: 36298
Ion Ratio Lower Upper
43 100
74 16.6 23.7 35.5#



#16
Methylene chloride
Concen: 21.728 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW017328.D
Acq: 18 Nov 2020 15:04

Tgt Ion: 84 Resp: 145984
Ion Ratio Lower Upper
84 100
49 107.5 71.5 132.9
86 65.7 42.8 79.4





#17

Methyl tert-butyl Ether

Concen: 24.377 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW017328.D

Acq: 18 Nov 2020 15:04

Instrument :

MSVOA_W

ClientSampleId :

VICV04

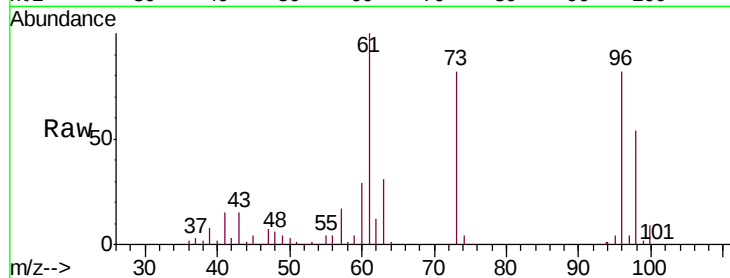
Tgt Ion: 73 Resp: 148490

Ion Ratio Lower Upper

73 100

43 19.0 15.7 23.5

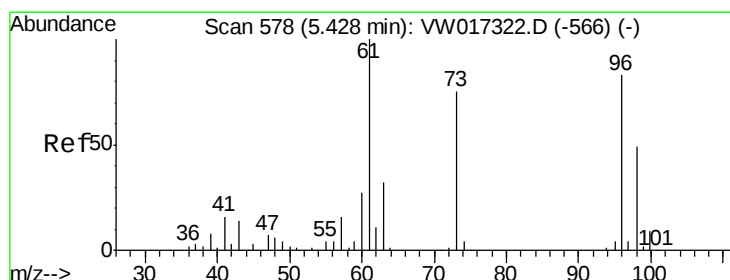
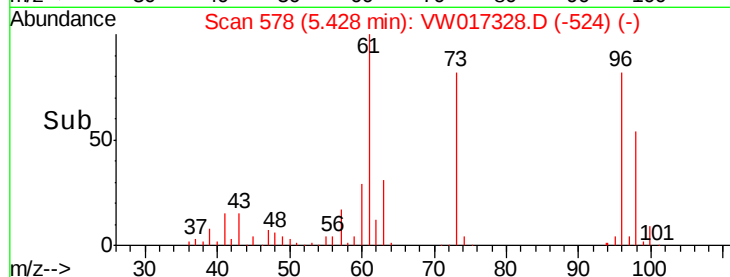
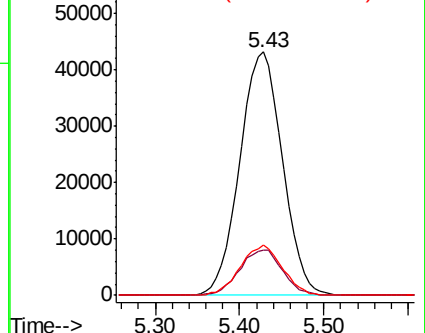
57 20.5 16.3 24.5



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: 23.702 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW017328.D

Acq: 18 Nov 2020 15:04

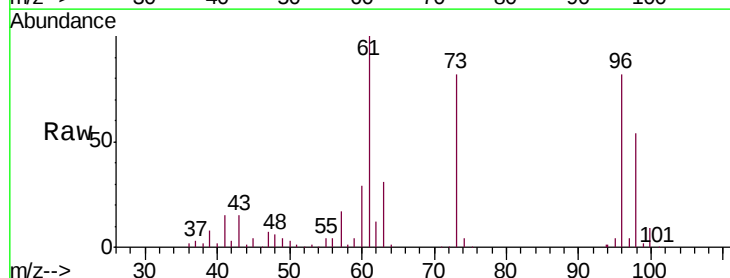
Tgt Ion: 96 Resp: 131142

Ion Ratio Lower Upper

96 100

61 122.0 84.3 156.5

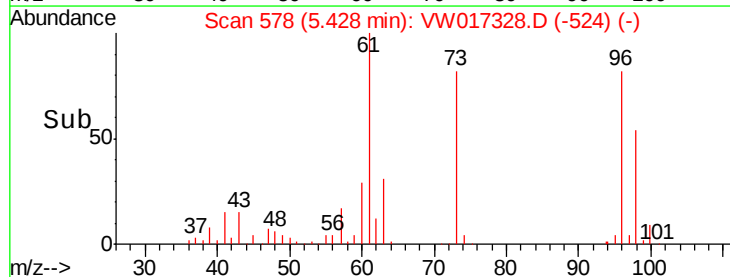
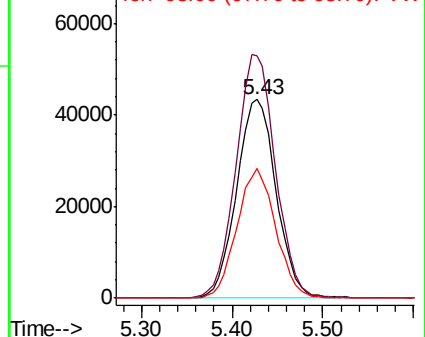
98 65.6 41.5 77.1

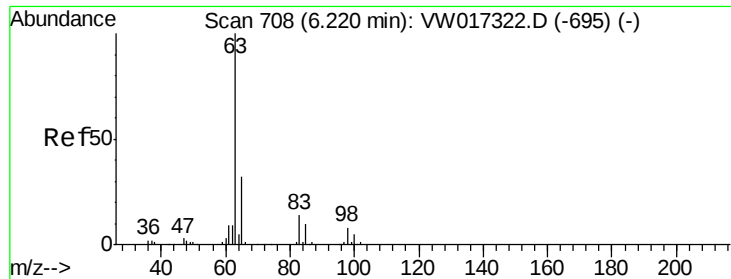


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW

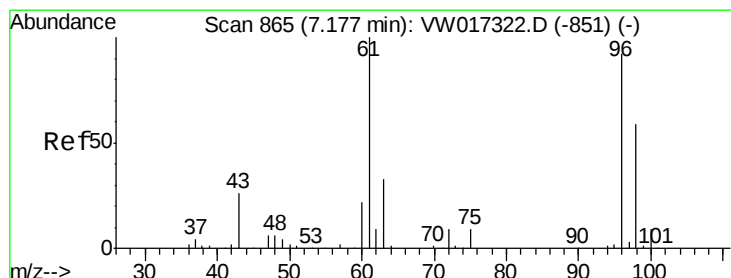
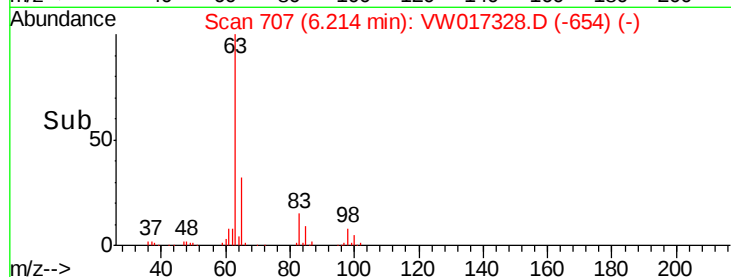
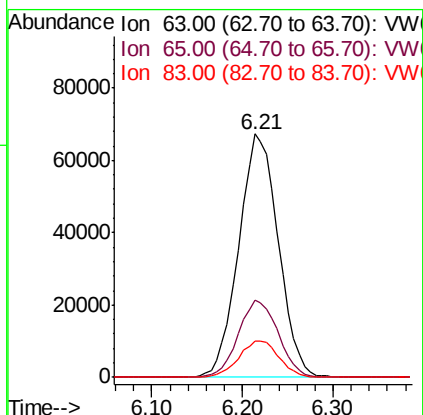
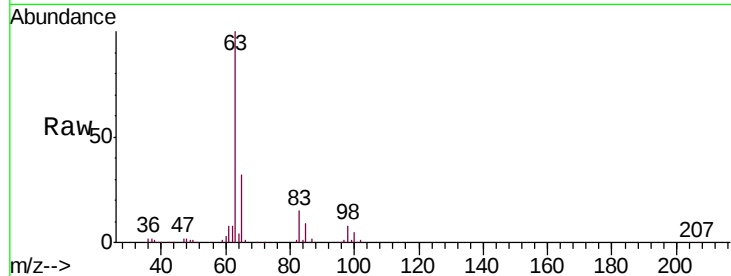




#19
 1,1-Dichloroethane
 Concen: 24.029 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VW017328.D
 Acq: 18 Nov 2020 15:04

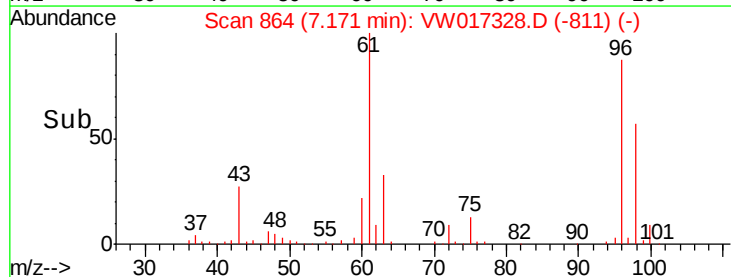
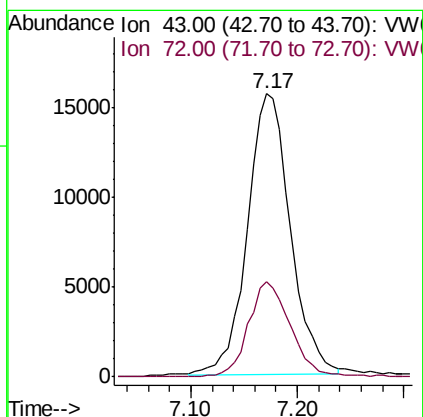
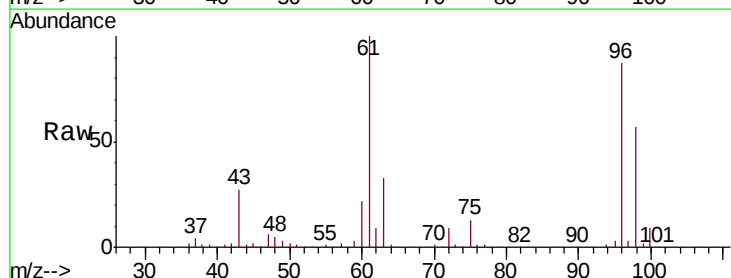
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV04

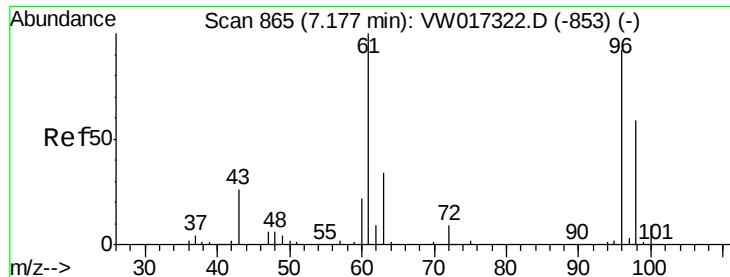
Tgt Ion: 63 Resp: 203375
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.3 41.5
 83 14.7 10.1 18.7



#21
 2-Butanone
 Concen: 41.381 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VW017328.D
 Acq: 18 Nov 2020 15:04

Tgt Ion: 43 Resp: 44201
 Ion Ratio Lower Upper
 43 100
 72 32.8 16.4 49.1

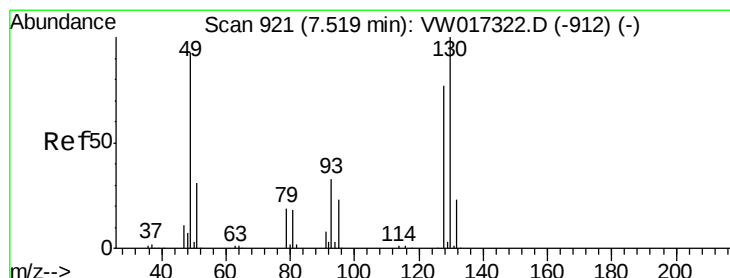
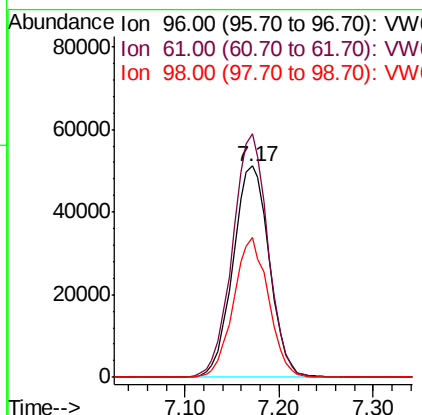
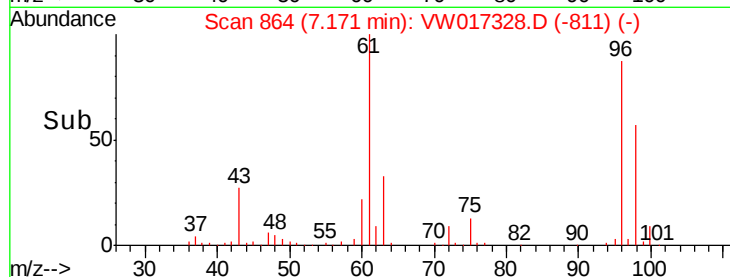
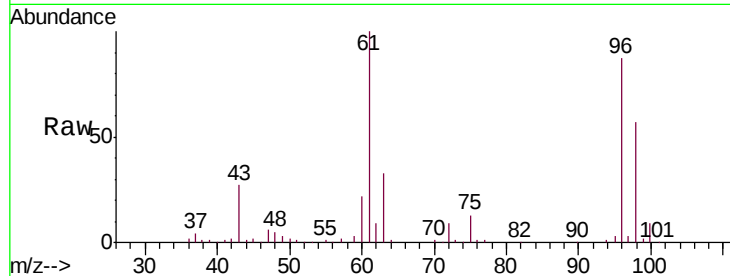




#22
 cis-1,2-Dichloroethene
 Concen: 24.493 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VW017328.D
 Acq: 18 Nov 2020 15:04

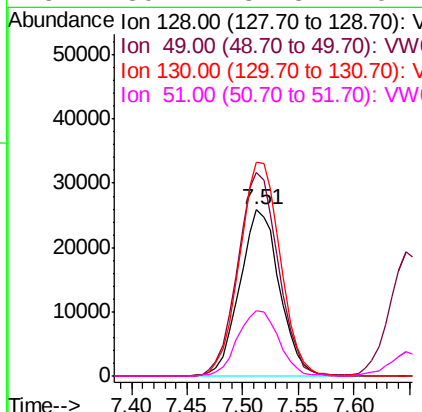
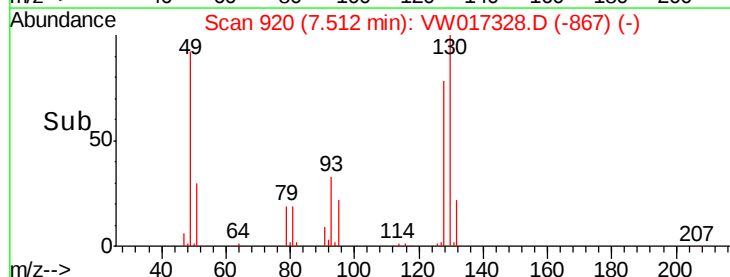
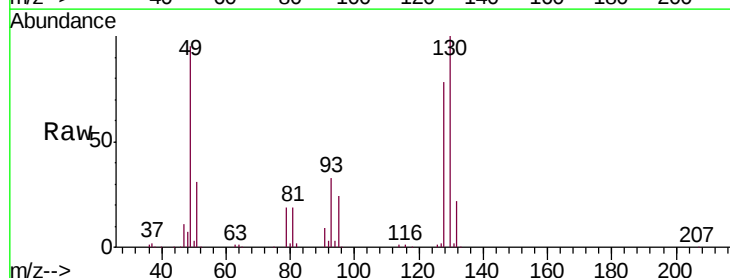
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV04

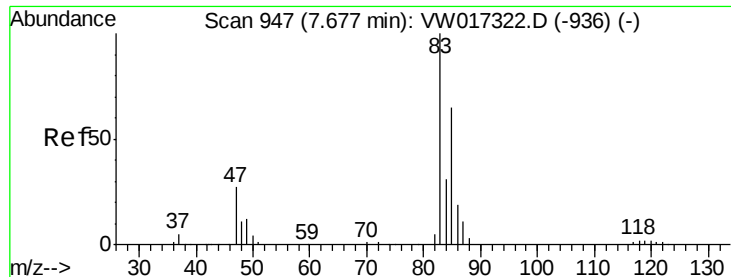
Tgt Ion: 96 Resp: 137635
 Ion Ratio Lower Upper
 96 100
 61 115.3 76.1 141.3
 98 66.0 44.7 82.9



#23
 Bromochloromethane
 Concen: 24.389 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW017328.D
 Acq: 18 Nov 2020 15:04

Tgt Ion: 128 Resp: 64303
 Ion Ratio Lower Upper
 128 100
 49 122.2 85.5 158.7
 130 128.4 91.5 169.9
 51 39.4 32.8 49.2

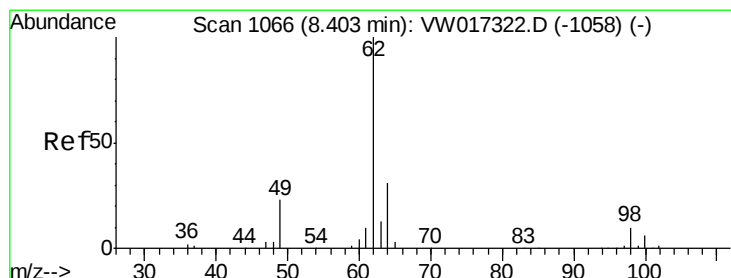
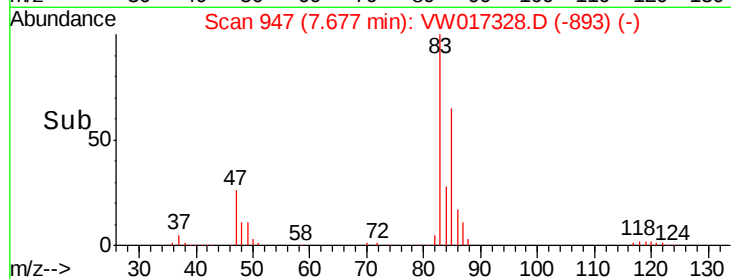
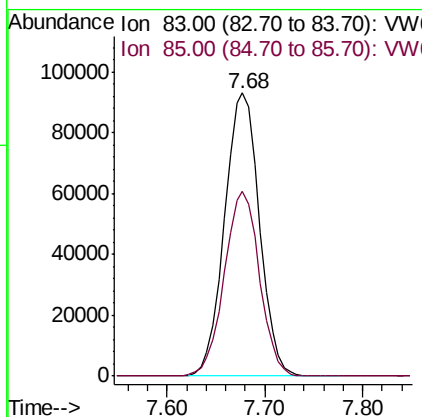
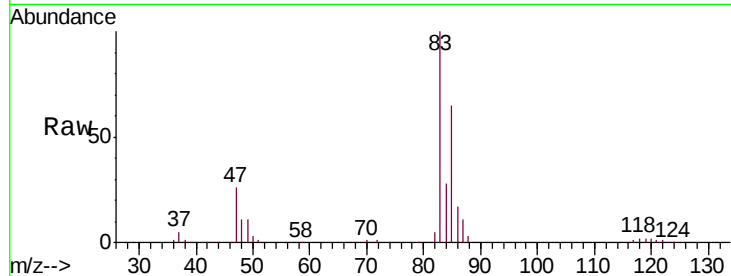




#25
Chloroform
Concen: 24.282 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW017328.D
Acq: 18 Nov 2020 15:04

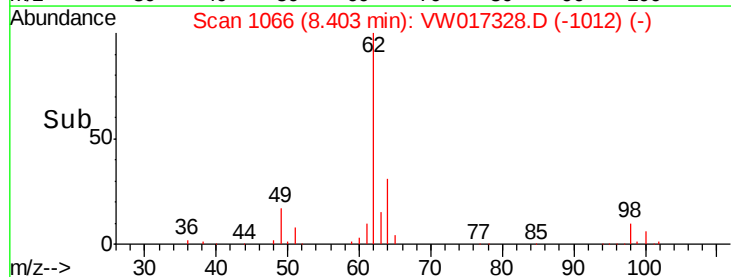
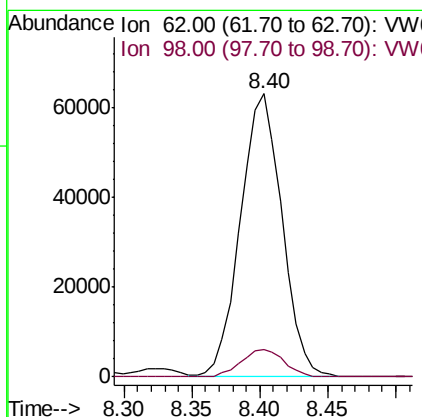
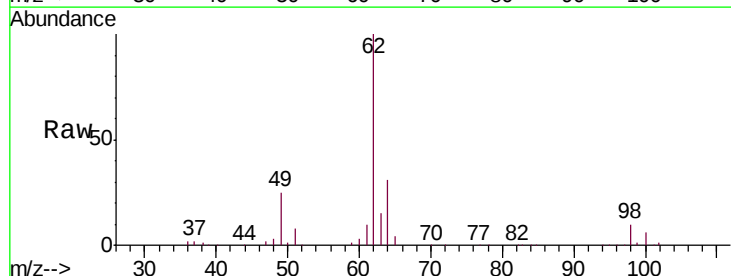
Instrument :
MSVOA_W
ClientSampled :
VICV04

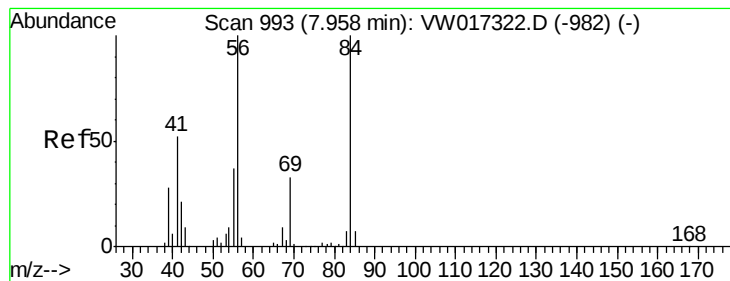
Tgt Ion: 83 Resp: 229838
Ion Ratio Lower Upper
83 100
85 66.0 46.1 85.5



#27
1,2-Dichloroethane
Concen: 24.504 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW017328.D
Acq: 18 Nov 2020 15:04

Tgt Ion: 62 Resp: 134415
Ion Ratio Lower Upper
62 100
98 9.8 7.7 11.5





#30

Cyclohexane

Concen: 23.523 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW017328.D

Acq: 18 Nov 2020 15:04

Instrument :

MSVOA_W

ClientSampleId :

VICV04

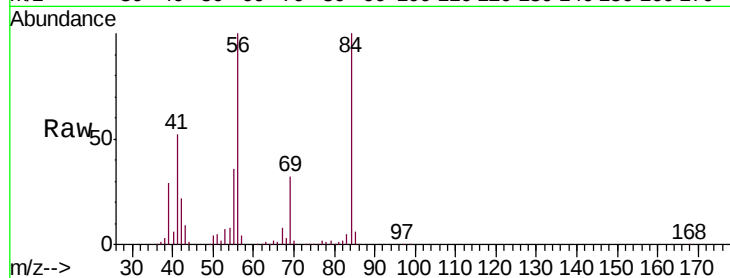
Tgt Ion: 56 Resp: 171650

Ion Ratio Lower Upper

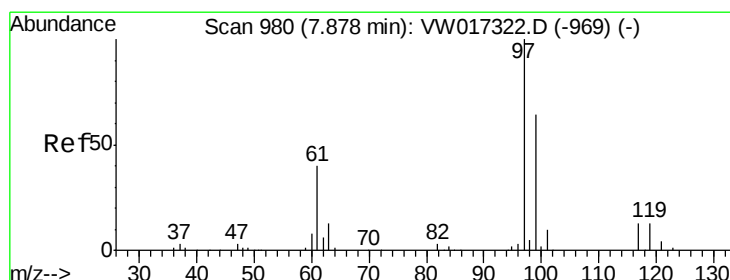
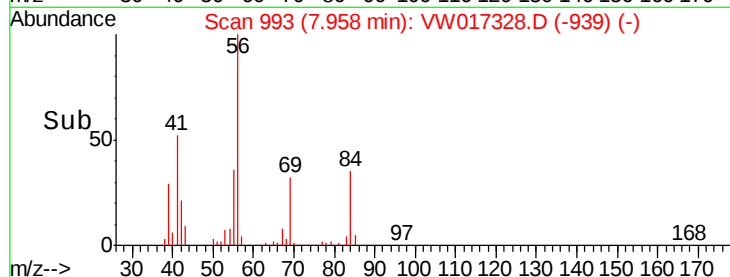
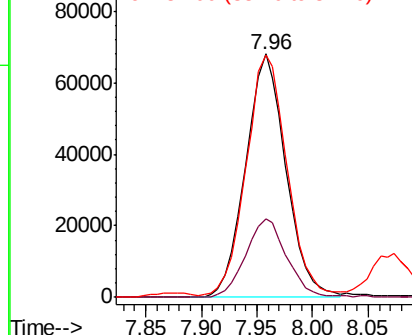
56 100

69 32.8 27.0 40.6

84 101.6 82.2 123.4



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 23.556 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW017328.D

Acq: 18 Nov 2020 15:04

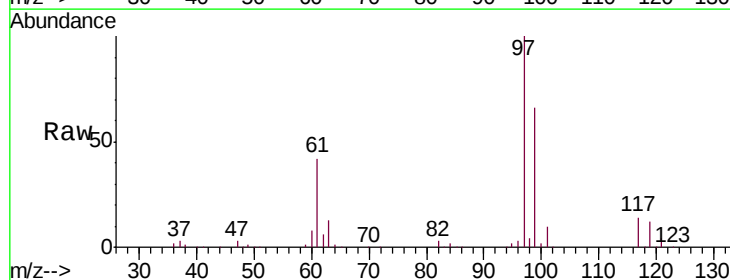
Tgt Ion: 97 Resp: 200742

Ion Ratio Lower Upper

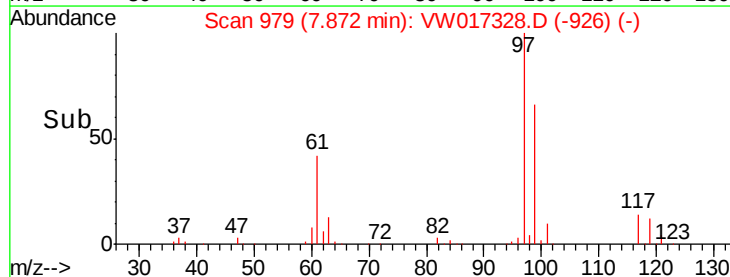
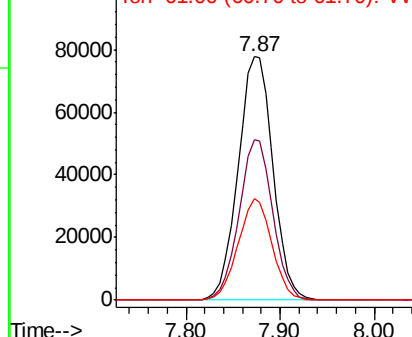
97 100

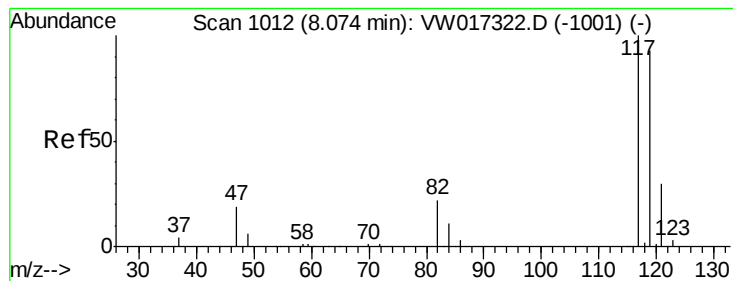
99 63.9 51.4 77.2

61 40.6 32.7 49.1



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 23.559 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW017328.D

Acq: 18 Nov 2020 15:04

Instrument :

MSVOA_W

ClientSampleId :

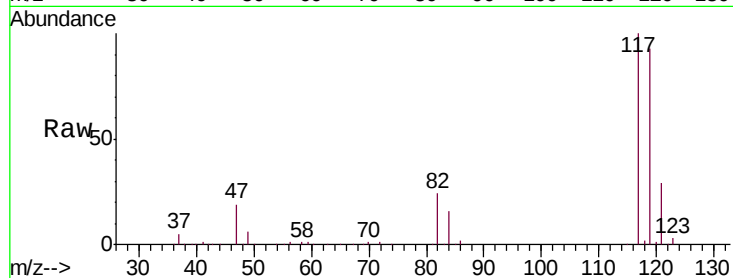
VICV04

Tgt Ion:117 Resp: 191620

Ion Ratio Lower Upper

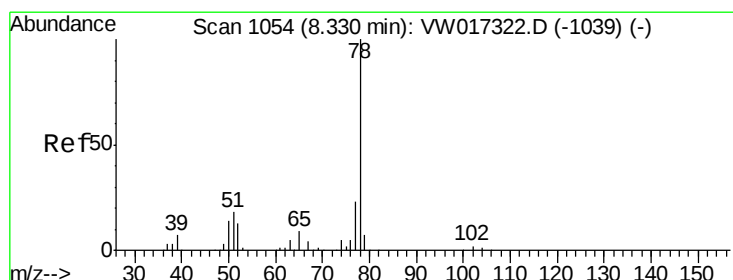
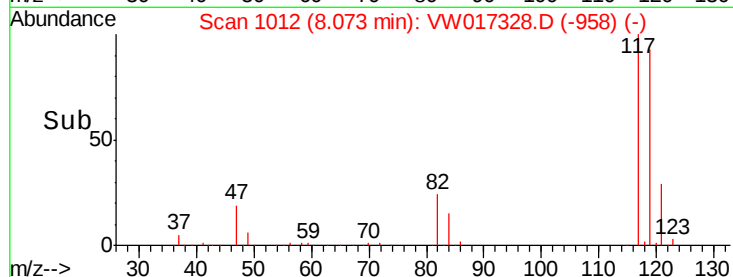
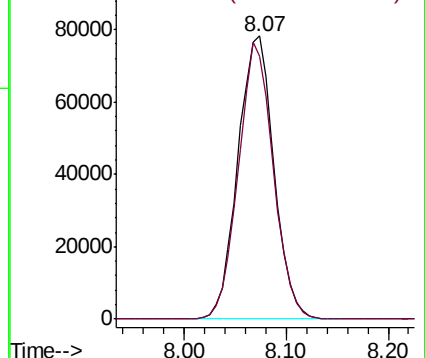
117 100

119 94.8 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: 23.661 ug/L

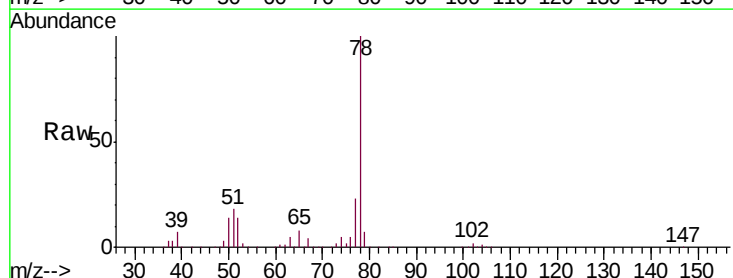
RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

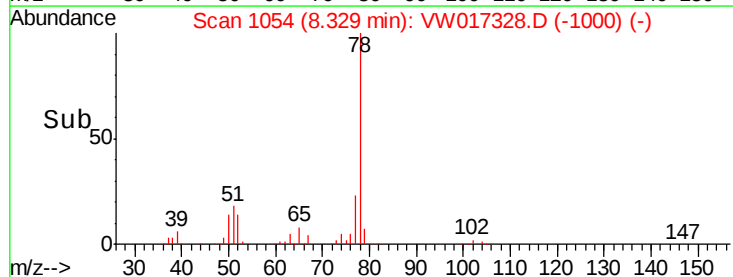
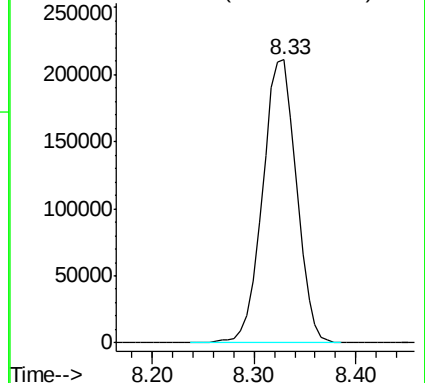
Lab File: VW017328.D

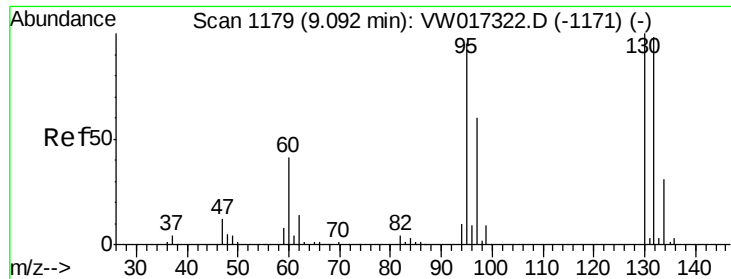
Acq: 18 Nov 2020 15:04

Tgt Ion: 78 Resp: 486737



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 23.502 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW017328.D

Acq: 18 Nov 2020 15:04

Instrument :

MSVOA_W

ClientSampleId :

VICV04

Tgt Ion: 95 Resp: 136754

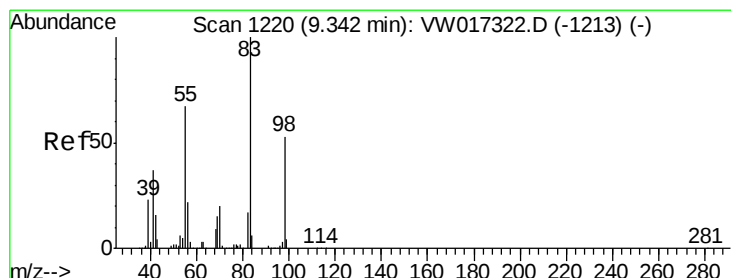
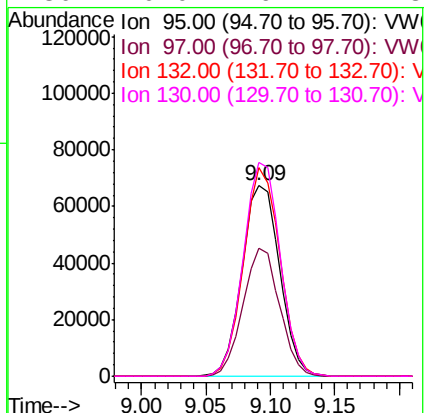
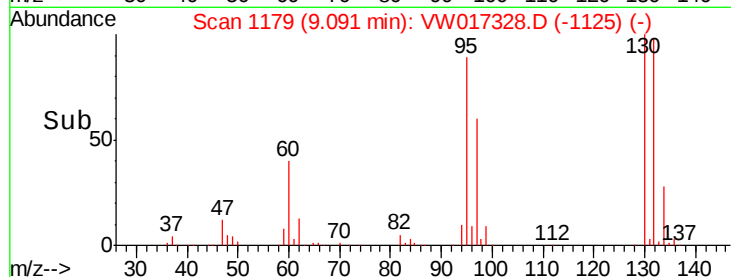
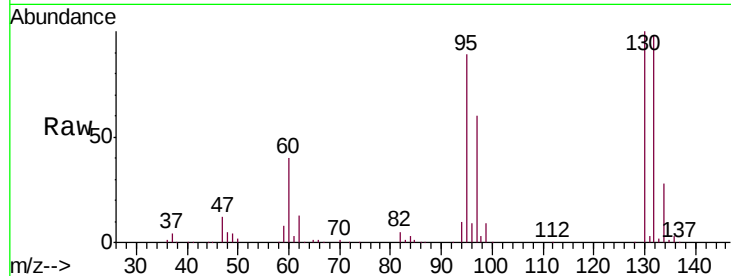
Ion Ratio Lower Upper

95 100

97 64.8 44.7 82.9

132 105.5 72.7 134.9

130 110.0 76.1 141.3



#36

Methylcyclohexane

Concen: 24.108 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VW017328.D

Acq: 18 Nov 2020 15:04

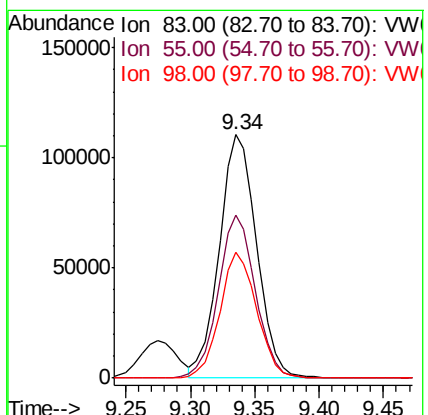
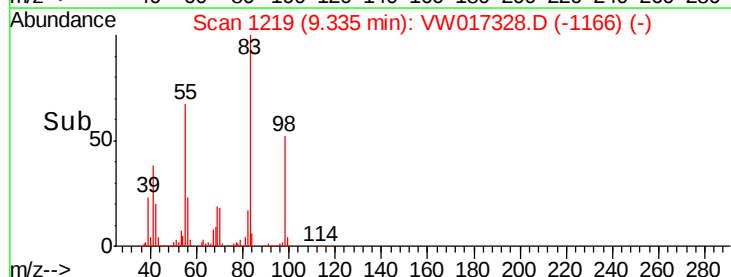
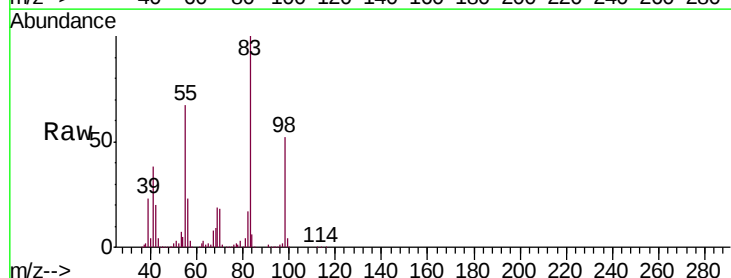
Tgt Ion: 83 Resp: 224139

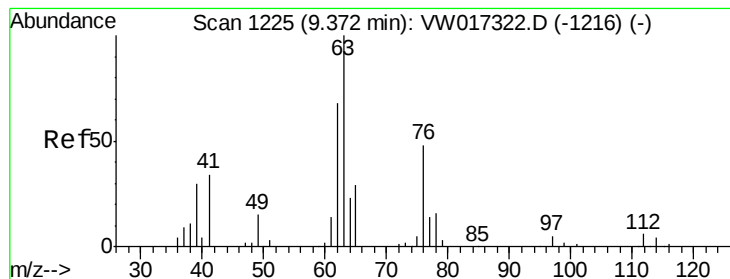
Ion Ratio Lower Upper

83 100

55 66.3 54.6 81.8

98 51.2 41.5 62.3





#40

1,2-Dichloropropane

Concen: 23.594 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW017328.D

Acq: 18 Nov 2020 15:04

Instrument :

MSVOA_W

ClientSampled :

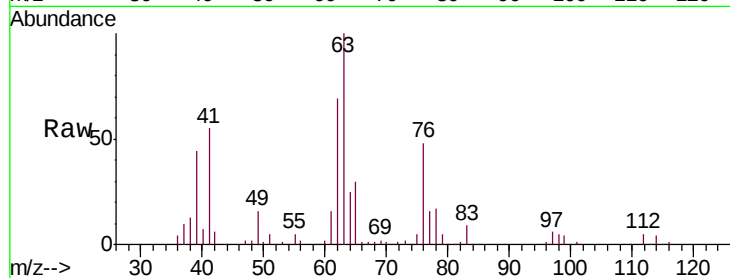
VICV04

Tgt Ion: 63 Resp: 109783

Ion Ratio Lower Upper

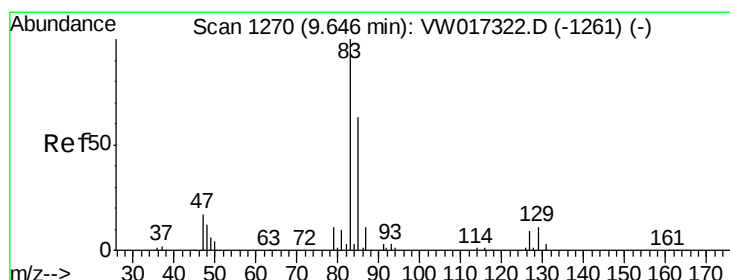
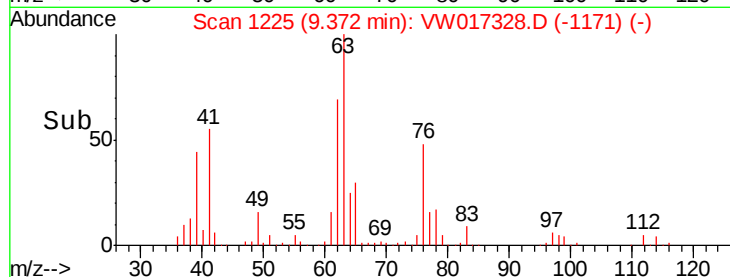
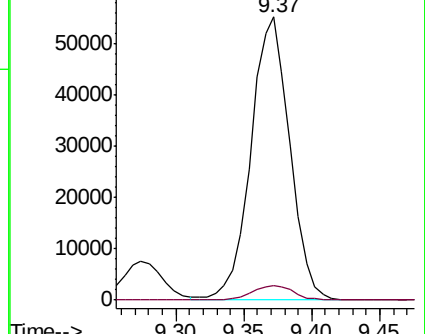
63 100

112 5.6 4.2 6.4



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 24.429 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW017328.D

Acq: 18 Nov 2020 15:04

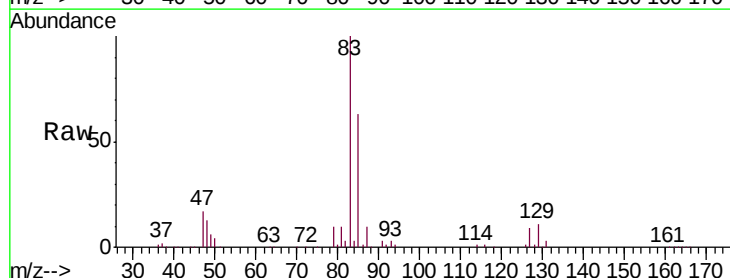
Tgt Ion: 83 Resp: 159639

Ion Ratio Lower Upper

83 100

85 63.2 44.1 81.9

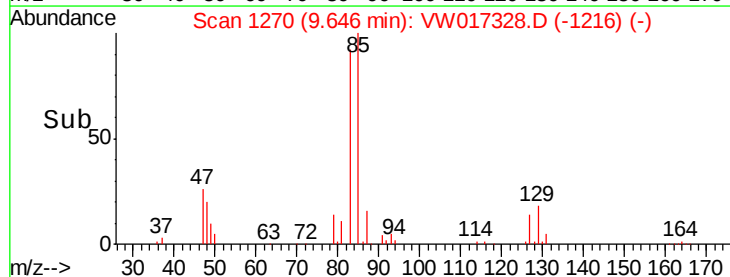
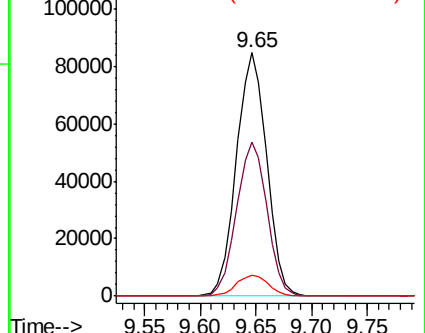
127 8.6 7.3 10.9

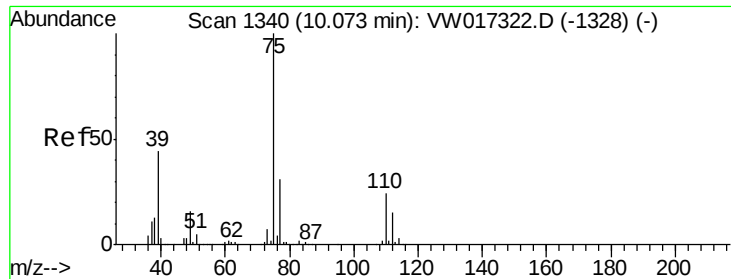


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 24.640 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW017328.D

Acq: 18 Nov 2020 15:04

Instrument :

MSVOA_W

ClientSampled :

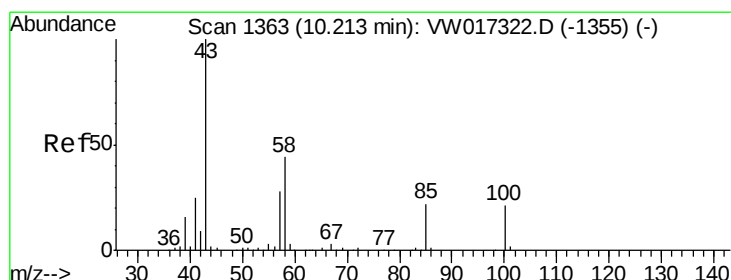
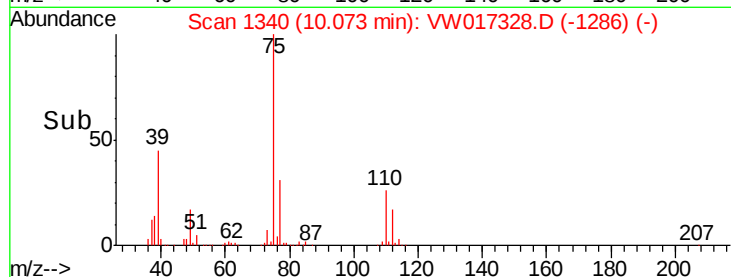
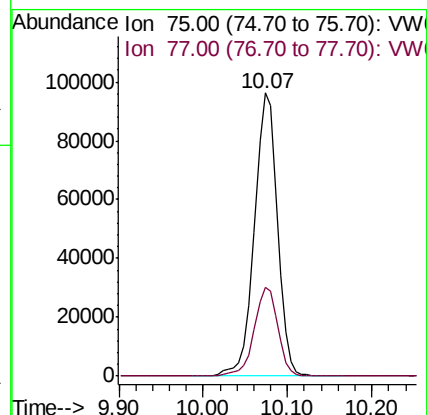
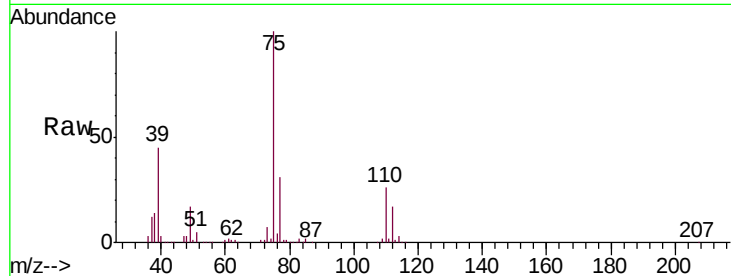
VICV04

Tgt Ion: 75 Resp: 177940

Ion Ratio Lower Upper

75 100

77 31.3 21.8 40.4



#43

4-Methyl-2-pentanone

Concen: 43.064 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW017328.D

Acq: 18 Nov 2020 15:04

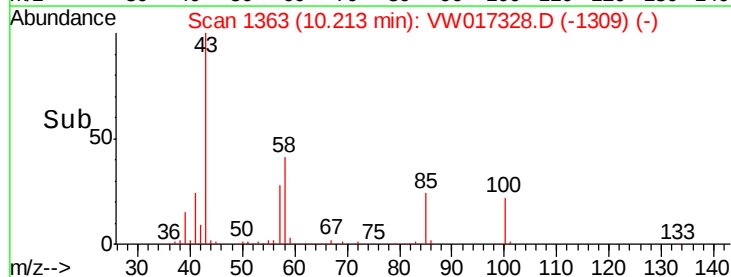
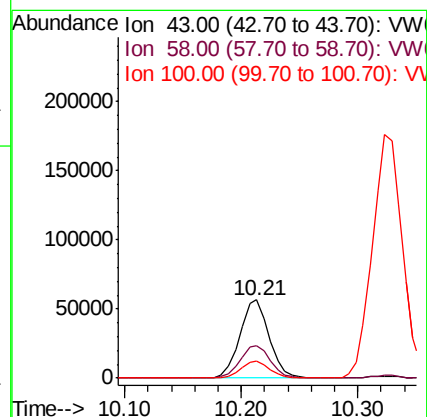
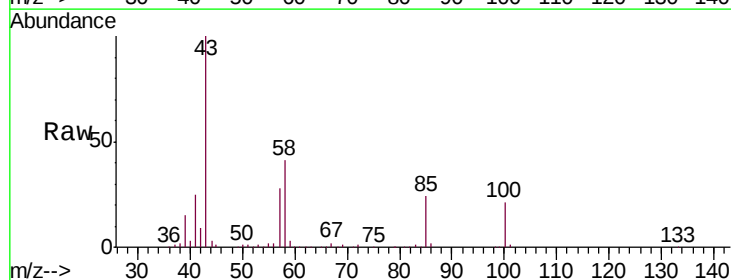
Tgt Ion: 43 Resp: 99455

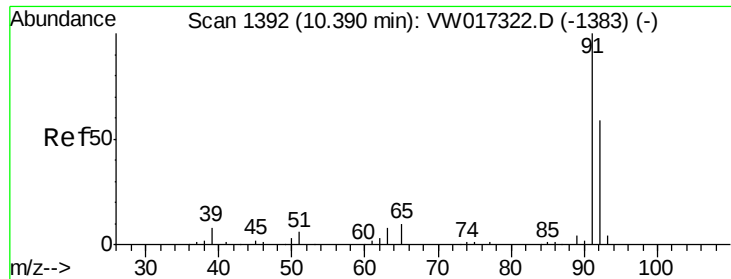
Ion Ratio Lower Upper

43 100

58 42.9 33.4 50.2

100 21.0 16.3 24.5





#44

Toluene

Concen: 23.741 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017328.D

Acq: 18 Nov 2020 15:04

Instrument :

MSVOA_W

ClientSampled :

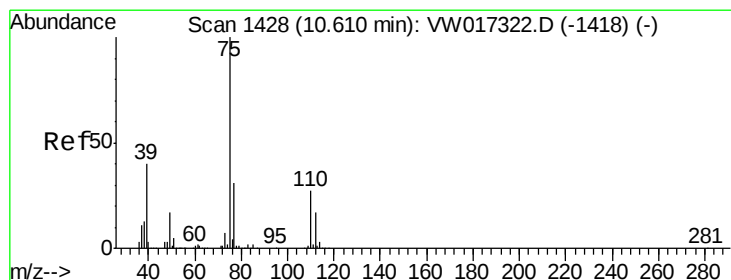
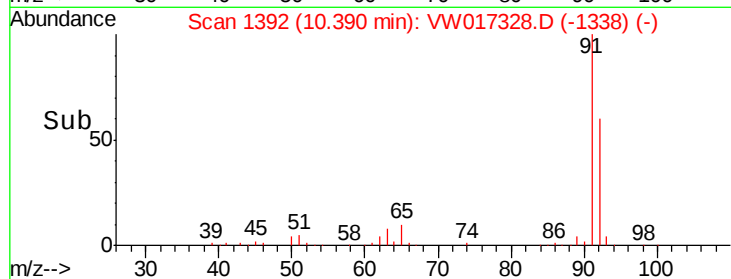
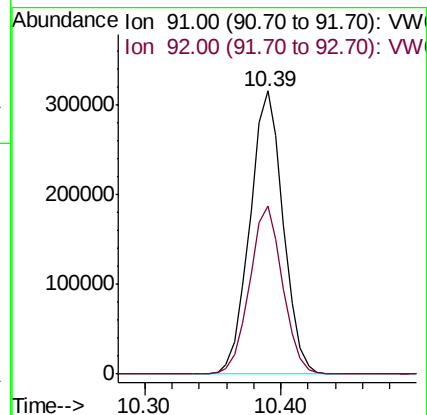
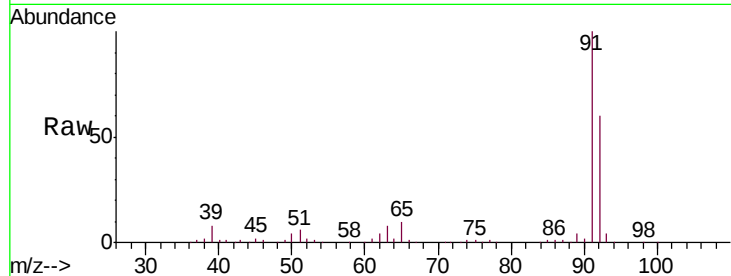
VICV04

Tgt Ion: 91 Resp: 541736

Ion Ratio Lower Upper

91 100

92 59.6 41.4 76.8



#45

trans-1,3-Dichloropropene

Concen: 24.470 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW017328.D

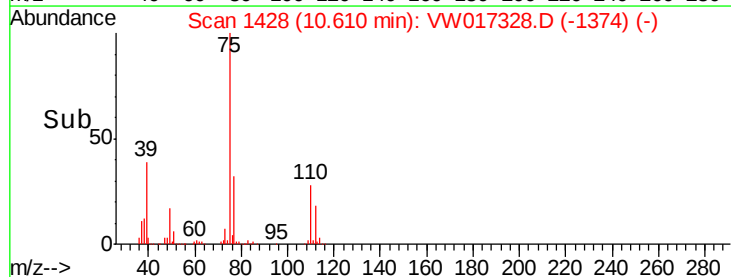
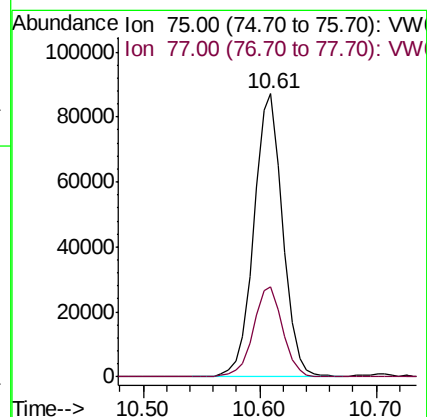
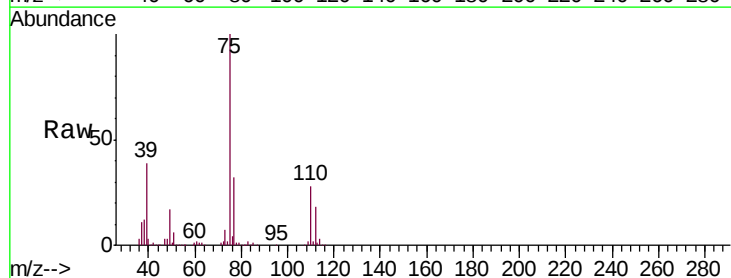
Acq: 18 Nov 2020 15:04

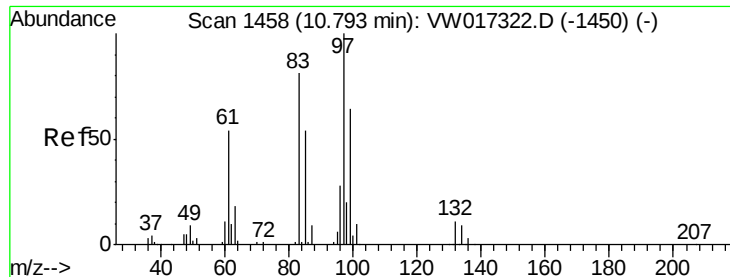
Tgt Ion: 75 Resp: 149719

Ion Ratio Lower Upper

75 100

77 32.0 22.0 40.8

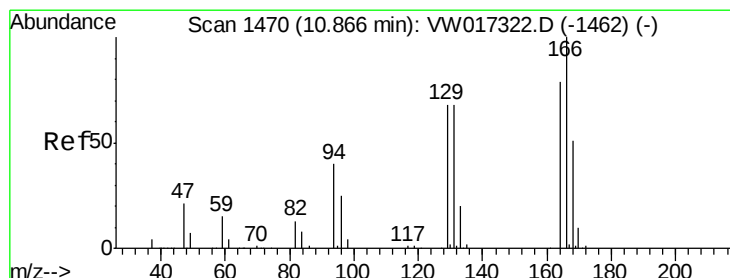
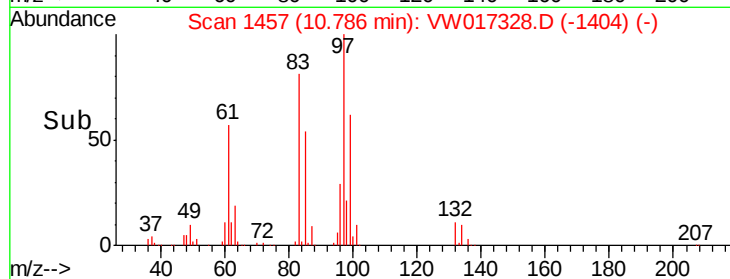
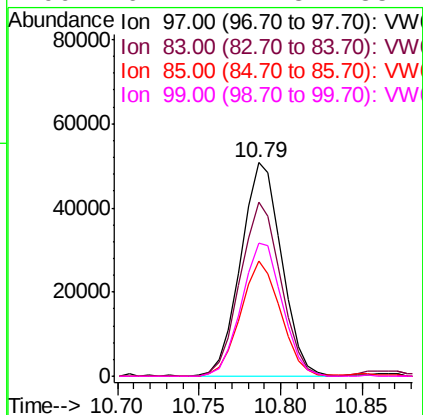
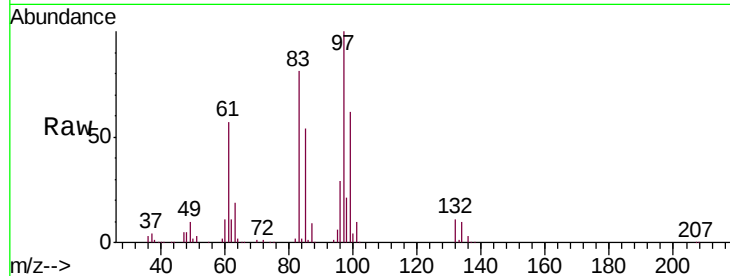




#46
 1,1,2-Trichloroethane
 Concen: 24.147 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW017328.D
 Acq: 18 Nov 2020 15:04

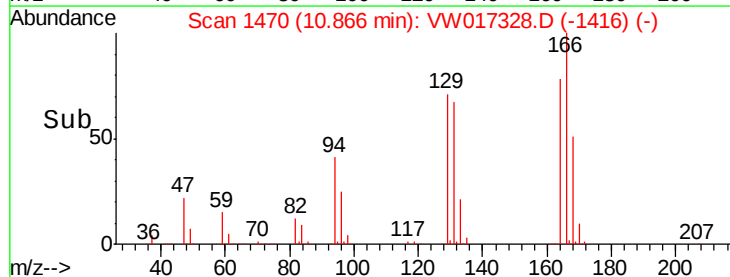
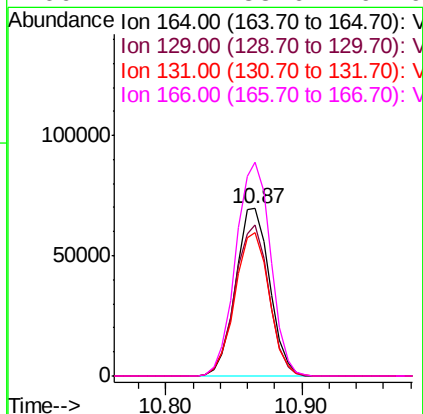
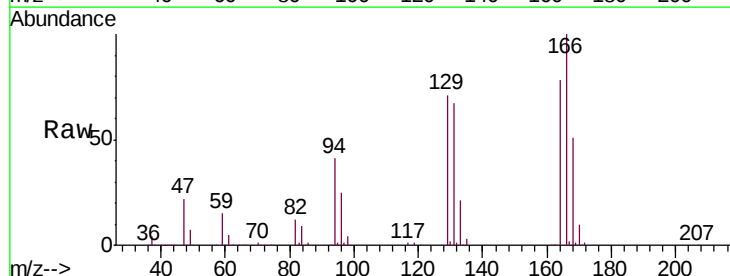
Instrument :
 MSVOA_W
 ClientSampled :
 VICV04

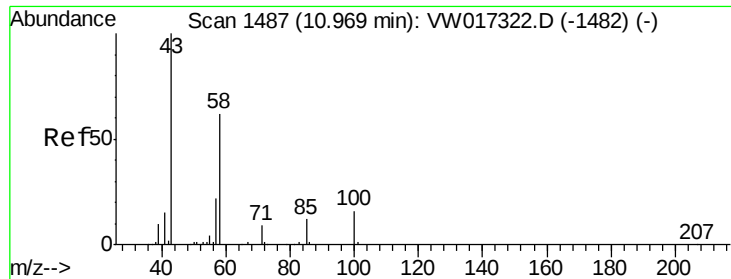
Tgt Ion:	97	Resp:	88514
Ion	Ratio	Lower	Upper
97	100		
83	81.4	56.6	105.2
85	53.7	37.7	69.9
99	62.1	44.8	83.2



#47
 Tetrachloroethene
 Concen: 23.153 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW017328.D
 Acq: 18 Nov 2020 15:04

Tgt Ion:	164	Resp:	122154
Ion	Ratio	Lower	Upper
164	100		
129	90.1	60.6	112.6
131	85.5	60.4	112.2
166	127.7	88.6	164.6

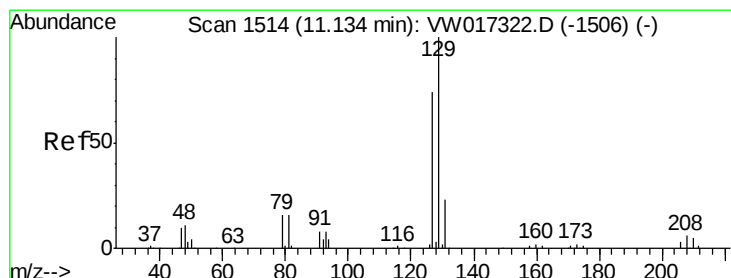
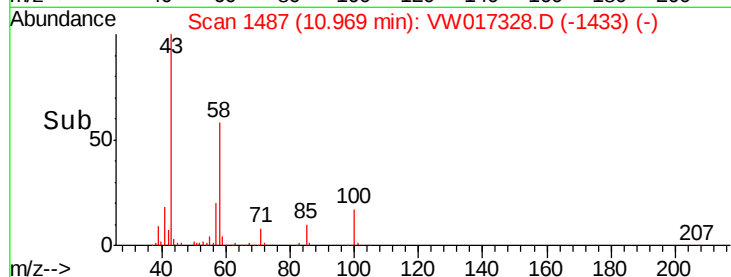
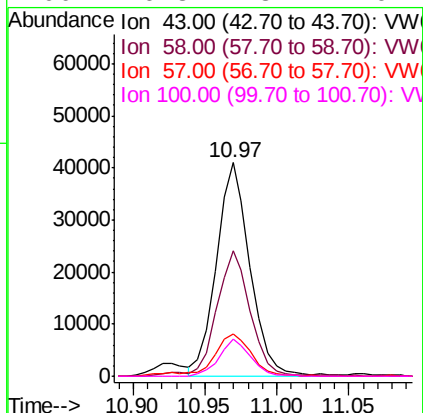
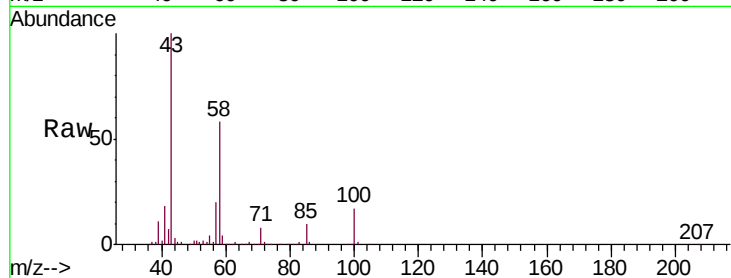




#49
2-Hexanone
Concen: 48.219 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW017328.D
Acq: 18 Nov 2020 15:04

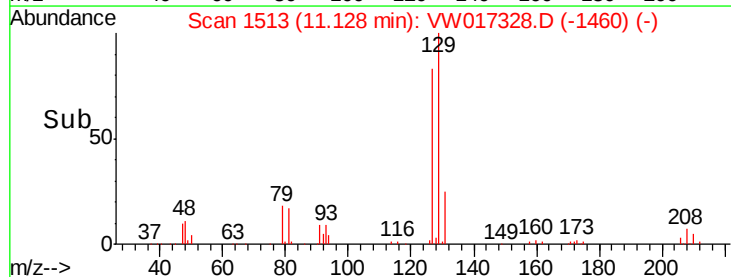
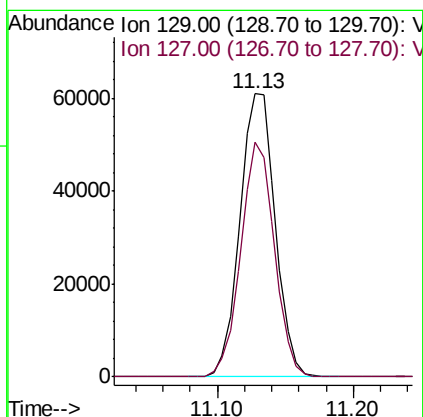
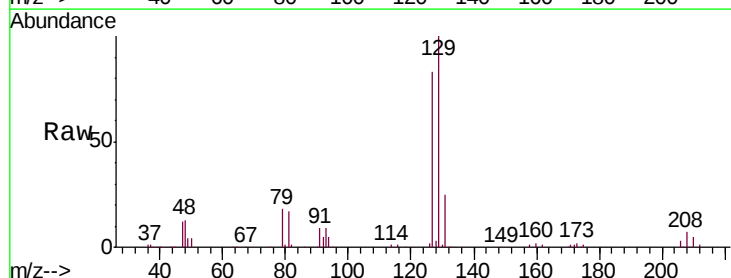
Instrument :
MSVOA_W
ClientSampleId :
VICV04

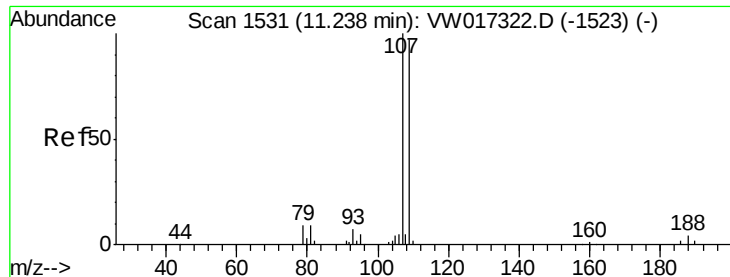
Tgt Ion: 43 Resp: 67025
Ion Ratio Lower Upper
43 100
58 57.2 49.4 74.0
57 20.6 17.0 25.4
100 16.3 13.1 19.7



#50
Dibromochloromethane
Concen: 23.632 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW017328.D
Acq: 18 Nov 2020 15:04

Tgt Ion: 129 Resp: 110762
Ion Ratio Lower Upper
129 100
127 83.0 51.8 96.2

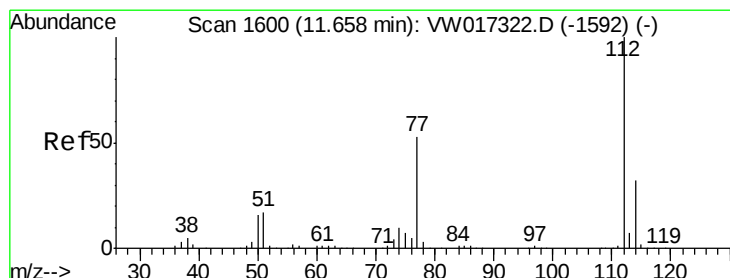
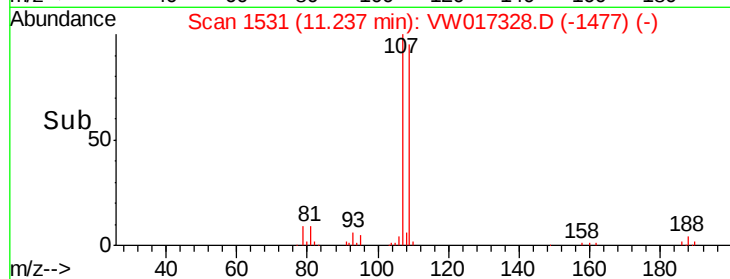
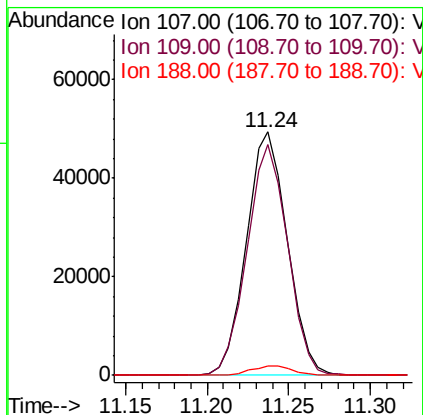
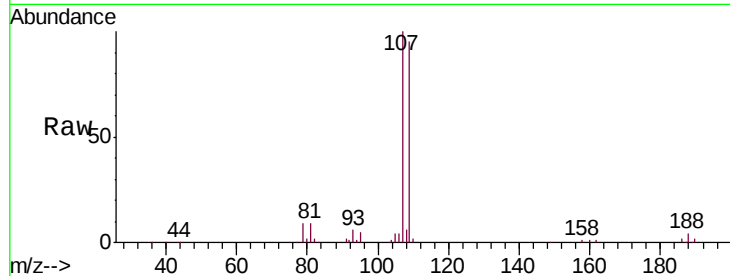




#51
1,2-Dibromoethane
Concen: 23.967 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW017328.D
Acq: 18 Nov 2020 15:04

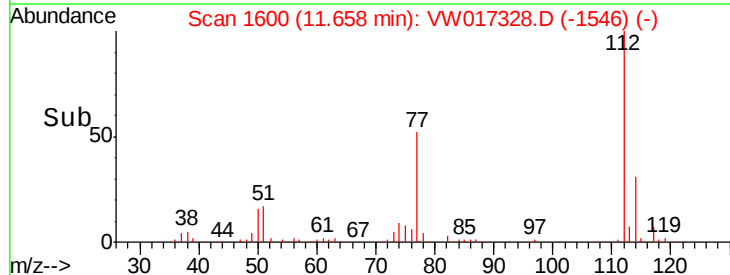
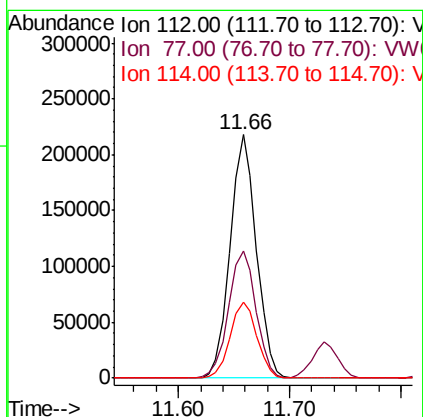
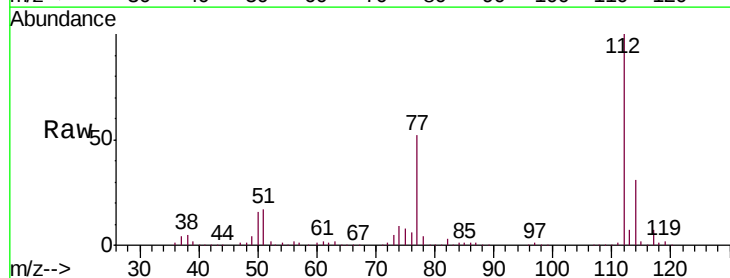
Instrument :
MSVOA_W
ClientSampleId :
VICV04

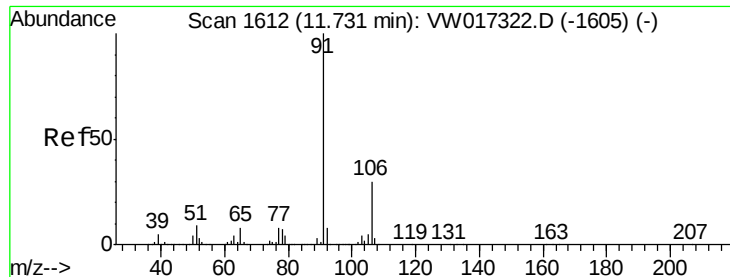
Tgt Ion:107 Resp: 86179
Ion Ratio Lower Upper
107 100
109 94.6 68.2 126.6
188 3.7 3.3 4.9



#52
Chlorobenzene
Concen: 23.314 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW017328.D
Acq: 18 Nov 2020 15:04

Tgt Ion:112 Resp: 354238
Ion Ratio Lower Upper
112 100
77 52.2 42.2 63.4
114 31.1 22.1 41.1





#53

Ethylbenzene

Concen: 24.143 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW017328.D

Acq: 18 Nov 2020 15:04

Instrument :

MSVOA_W

ClientSampleId :

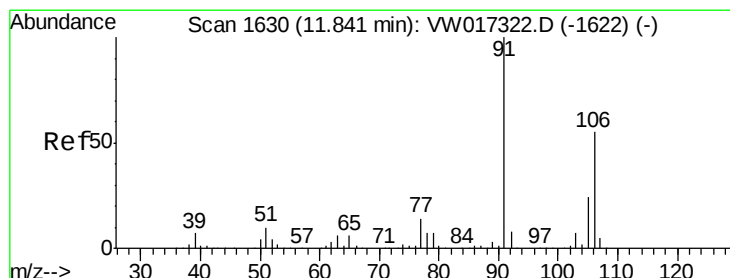
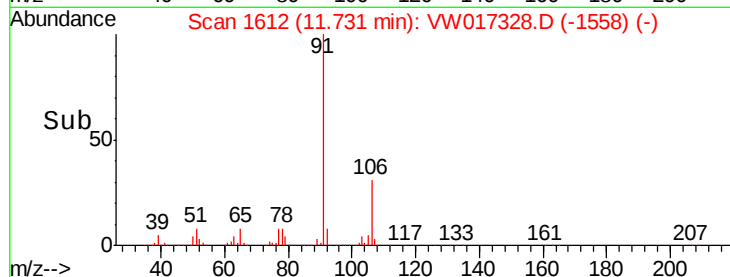
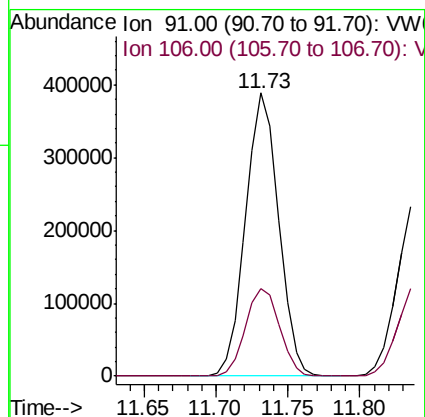
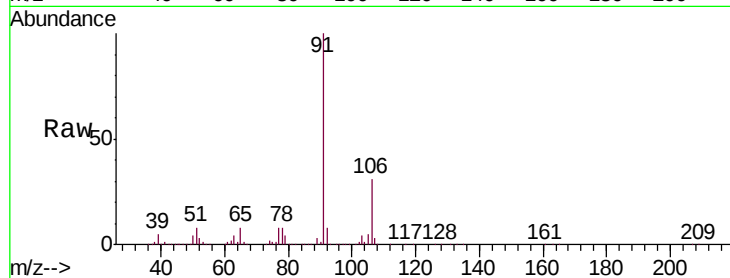
VICV04

Tgt Ion: 91 Resp: 617767

Ion Ratio Lower Upper

91 100

106 31.1 20.8 38.6



#54

m,p-Xylene

Concen: 24.589 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW017328.D

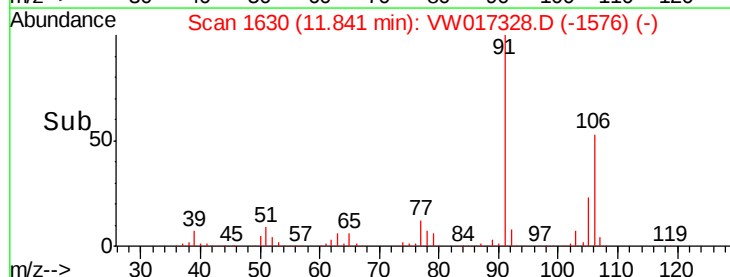
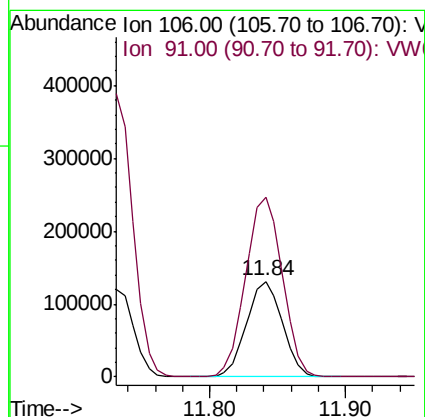
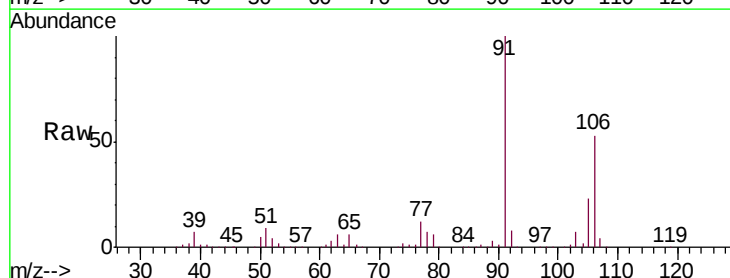
Acq: 18 Nov 2020 15:04

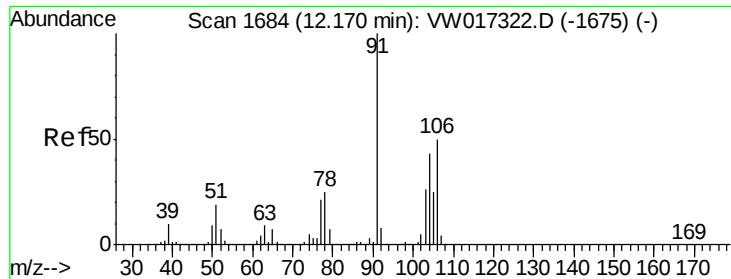
Tgt Ion: 106 Resp: 242448

Ion Ratio Lower Upper

106 100

91 188.1 126.9 235.7





#55

o-xylene

Concen: 24.068 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW017328.D

Acq: 18 Nov 2020 15:04

Instrument :

MSVOA_W

ClientSampled :

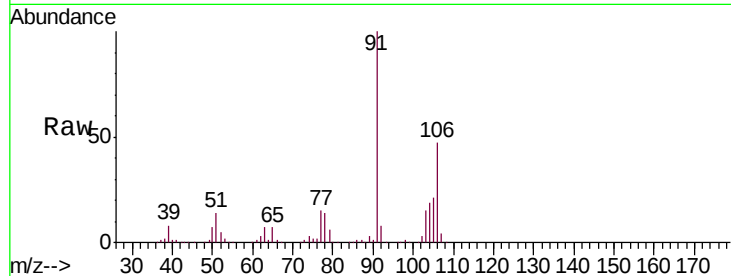
VICV04

Tgt Ion:106 Resp: 225199

Ion Ratio Lower Upper

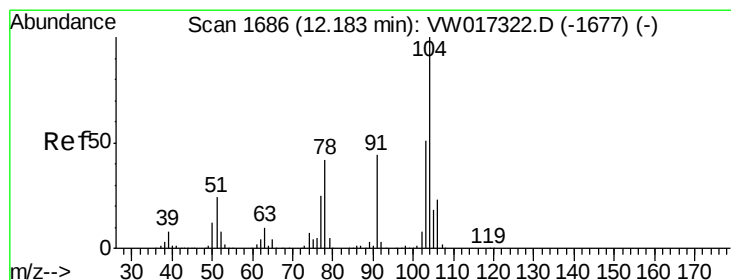
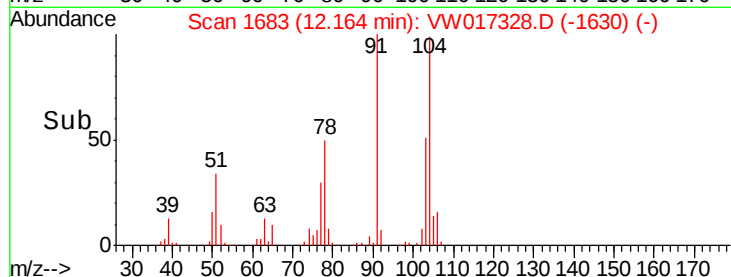
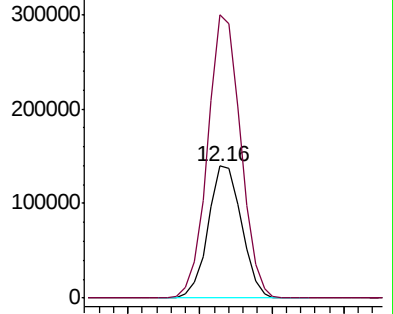
106 100

91 214.8 139.5 259.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 24.320 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW017328.D

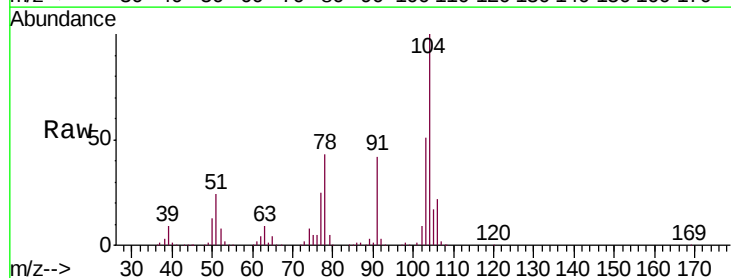
Acq: 18 Nov 2020 15:04

Tgt Ion:104 Resp: 377229

Ion Ratio Lower Upper

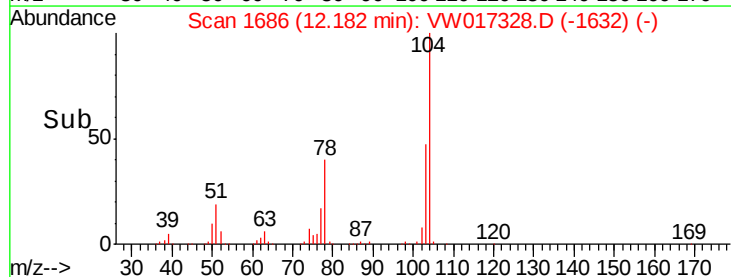
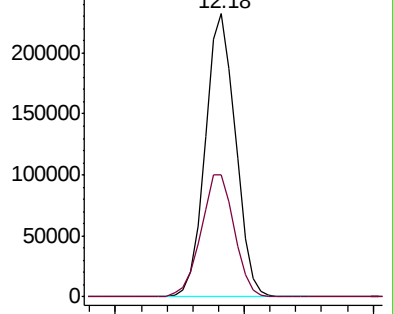
104 100

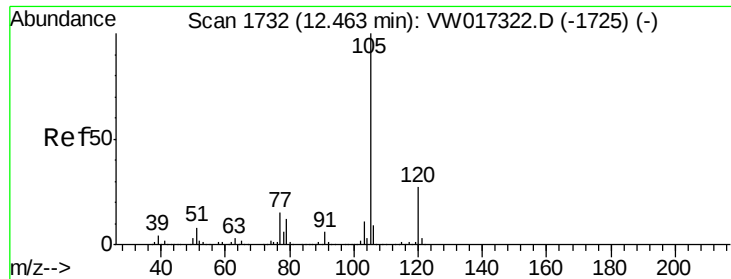
78 43.0 29.3 54.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 24.292 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW017328.D

Acq: 18 Nov 2020 15:04

Instrument :

MSVOA_W

ClientSampled :

VICV04

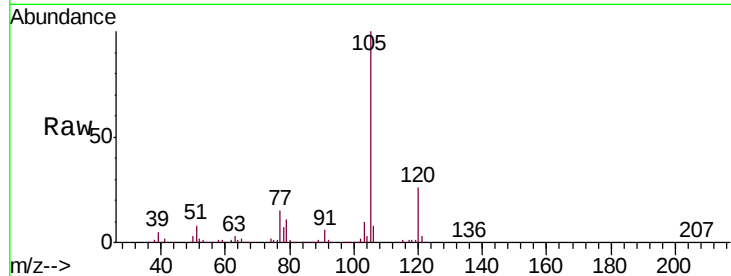
Tgt Ion: 105 Resp: 622444

Ion Ratio Lower Upper

105 100

120 26.8 21.6 32.4

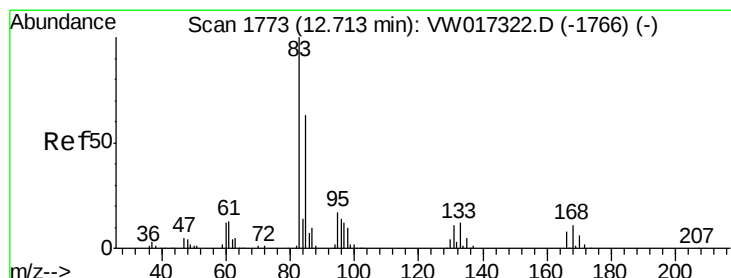
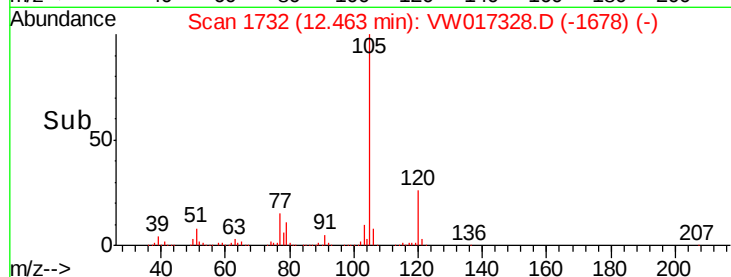
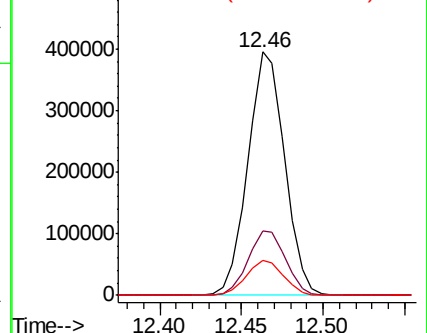
77 14.6 11.8 17.6



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: 23.585 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW017328.D

Acq: 18 Nov 2020 15:04

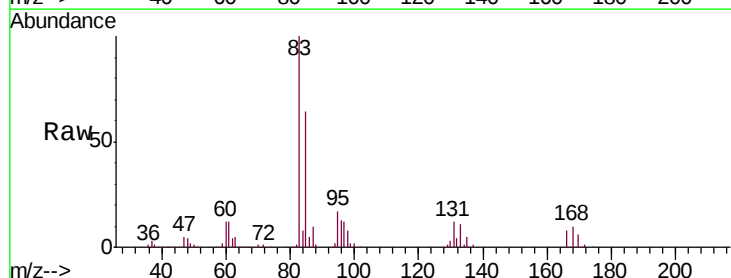
Tgt Ion: 83 Resp: 93643

Ion Ratio Lower Upper

83 100

85 63.8 44.2 82.0

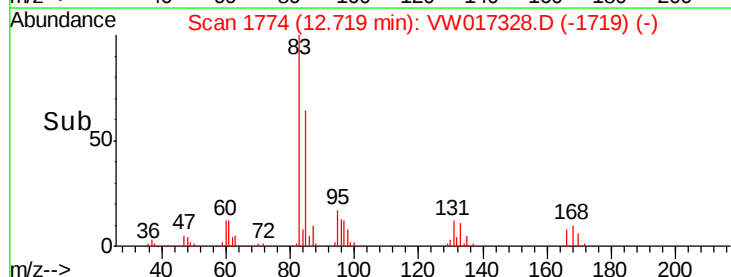
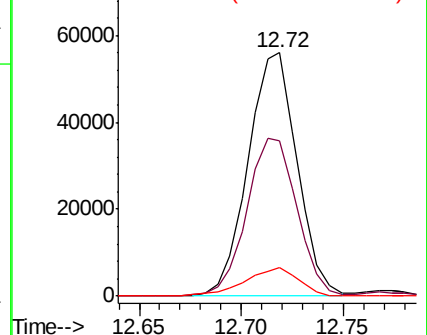
131 12.0 8.7 13.1

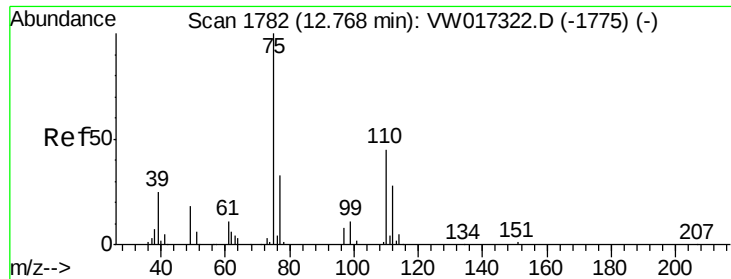


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 23.047 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW017328.D

Acq: 18 Nov 2020 15:04

Instrument :

MSVOA_W

ClientSampled :

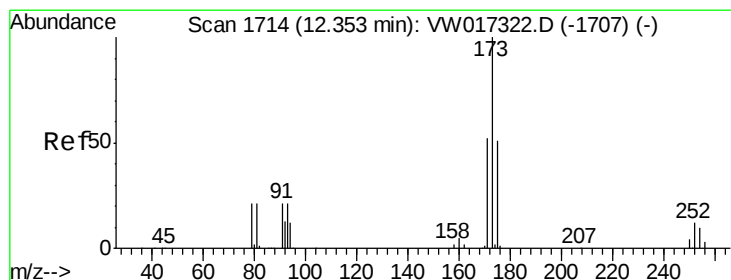
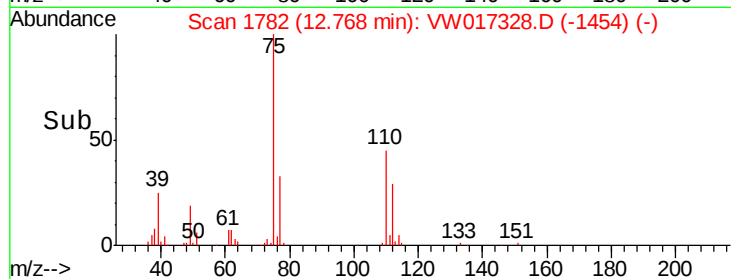
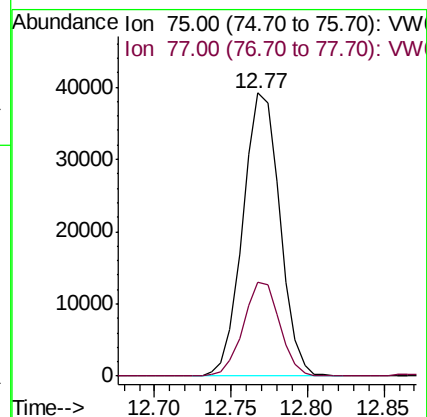
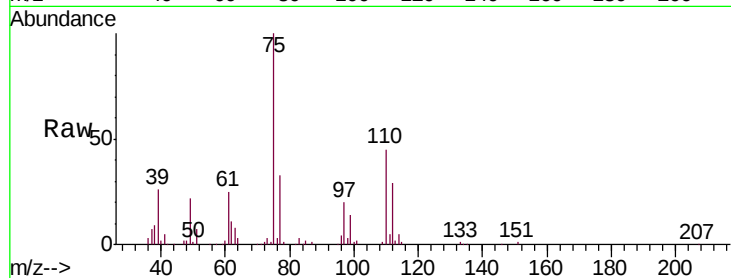
VICV04

Tgt Ion: 75 Resp: 66082

Ion Ratio Lower Upper

75 100

77 32.6 26.6 40.0



#62

Bromoform

Concen: 23.000 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW017328.D

Acq: 18 Nov 2020 15:04

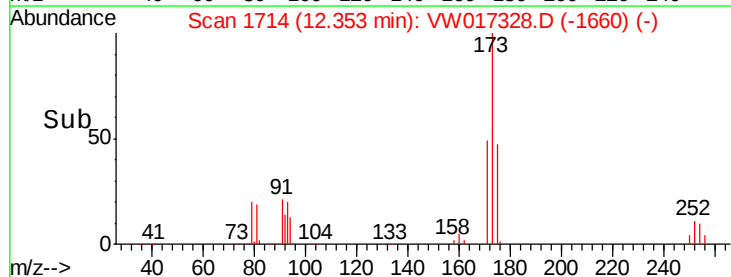
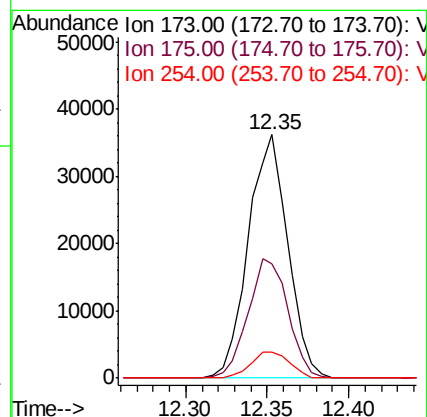
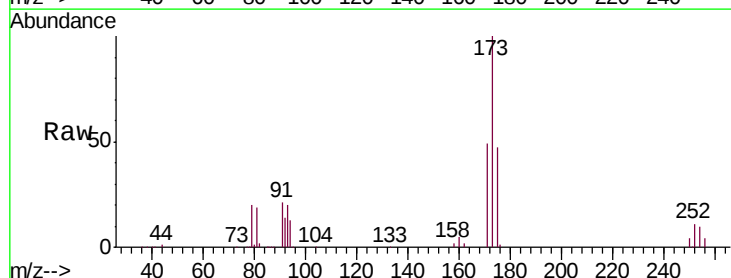
Tgt Ion: 173 Resp: 60941

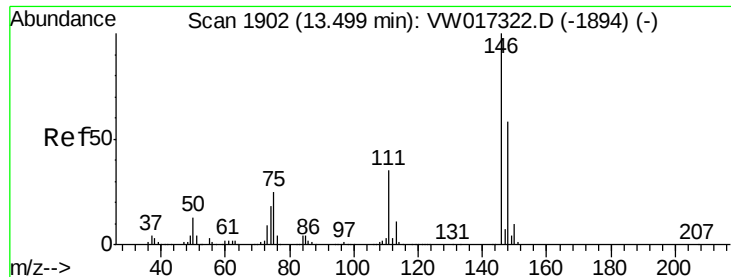
Ion Ratio Lower Upper

173 100

175 49.9 40.0 60.0

254 10.6 8.0 12.0

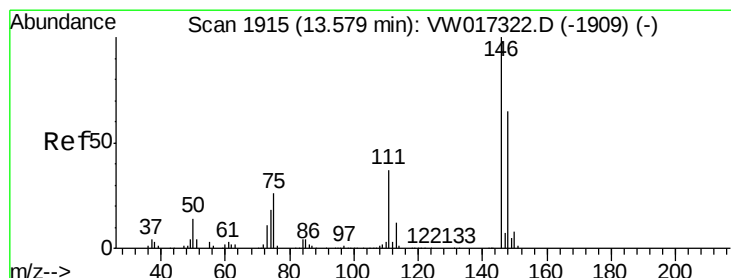
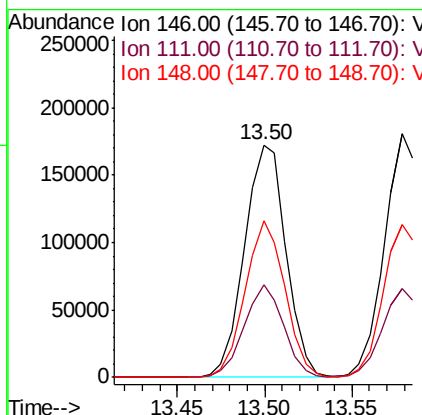
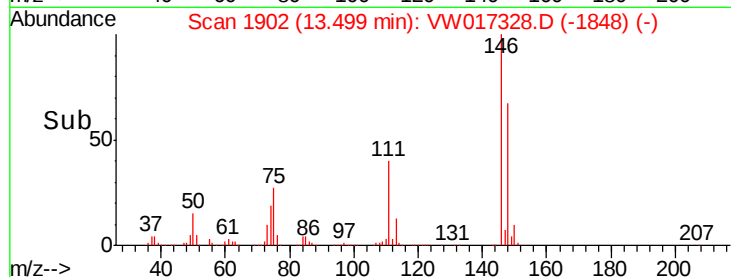
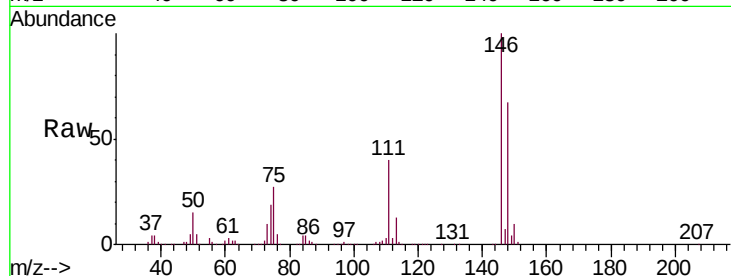




#63
 1,3-Dichlorobenzene
 Concen: 23.332 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017328.D
 Acq: 18 Nov 2020 15:04

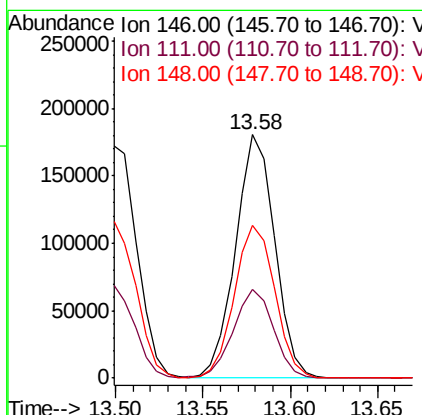
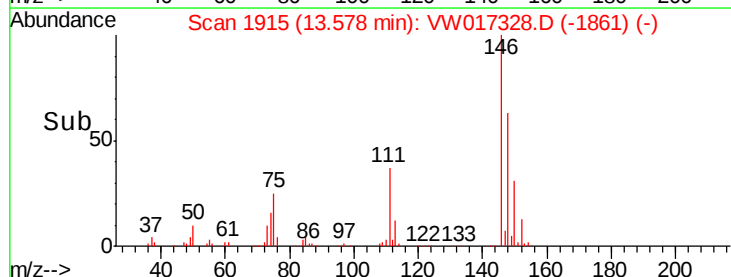
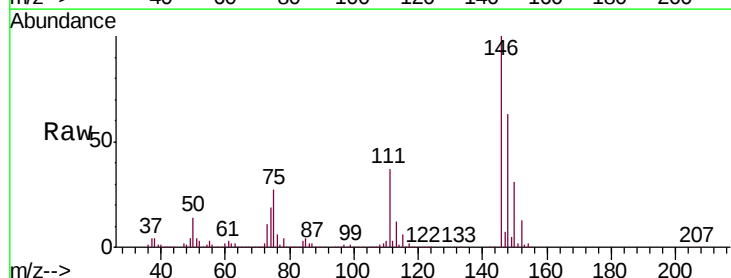
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV04

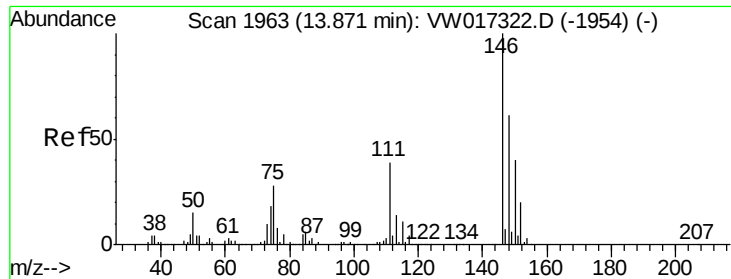
Tgt Ion:146 Resp: 286324
 Ion Ratio Lower Upper
 146 100
 111 39.9 24.5 45.5
 148 67.4 40.4 75.0



#64
 1,4-Dichlorobenzene
 Concen: 23.405 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017328.D
 Acq: 18 Nov 2020 15:04

Tgt Ion:146 Resp: 283395
 Ion Ratio Lower Upper
 146 100
 111 36.7 26.2 48.8
 148 62.7 45.2 84.0

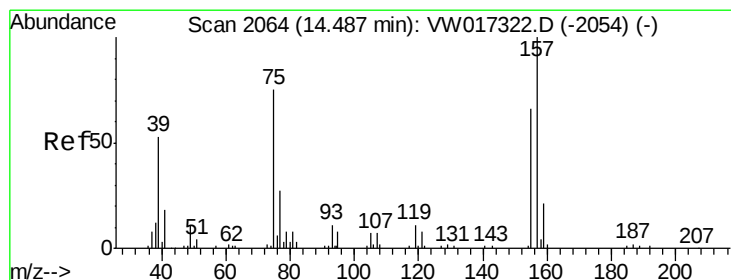
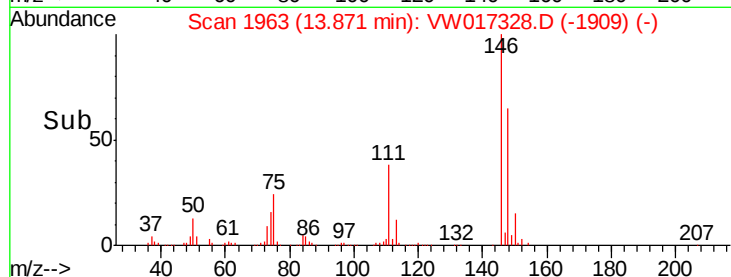
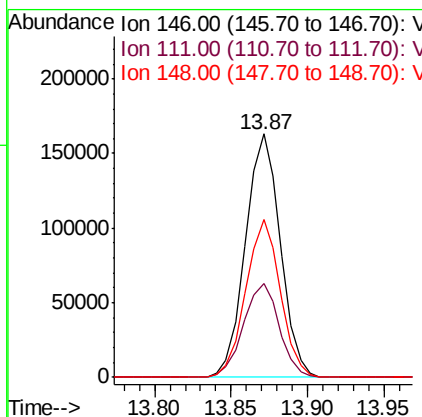
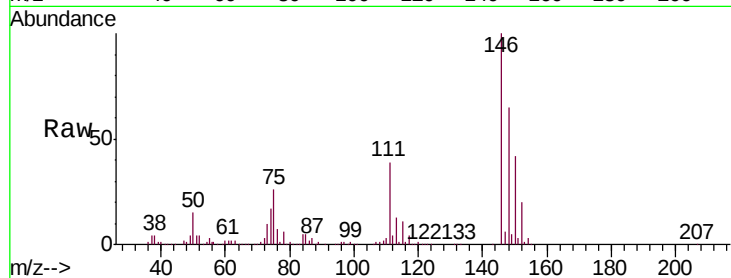




#65
 1,2-Dichlorobenzene
 Concen: 24.287 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW017328.D
 Acq: 18 Nov 2020 15:04

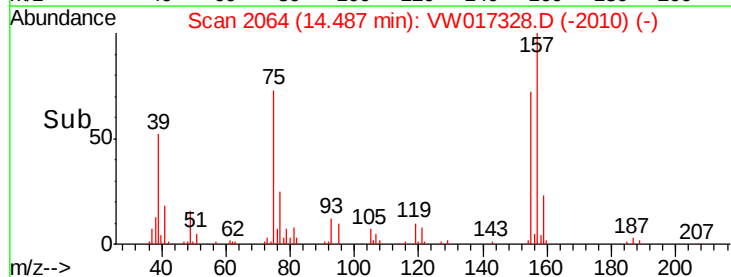
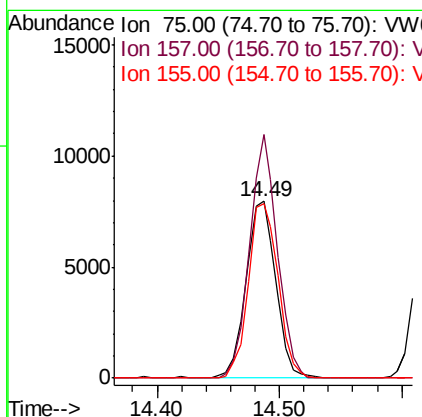
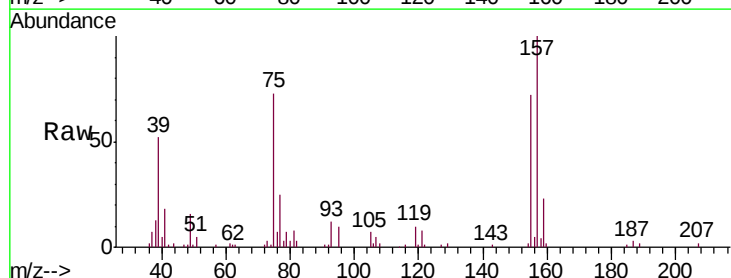
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV04

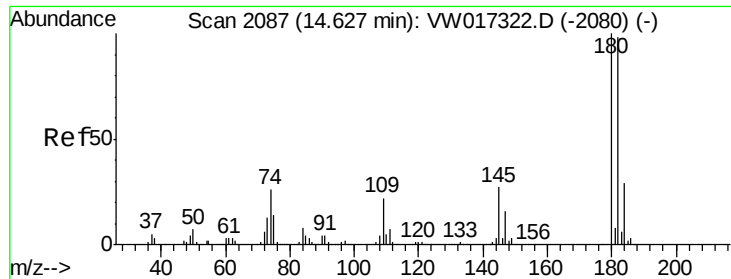
Tgt Ion:146 Resp: 259046
 Ion Ratio Lower Upper
 146 100
 111 38.6 30.8 46.2
 148 65.1 49.0 73.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.618 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW017328.D
 Acq: 18 Nov 2020 15:04

Tgt Ion: 75 Resp: 13446
 Ion Ratio Lower Upper
 75 100
 157 137.8 106.7 160.1
 155 98.7 70.6 106.0





#67

1,3,5-Trichlorobenzene

Concen: 23.082 ug/L

RT: 14.63 min Scan# 2088

Delta R.T. 0.01 min

Lab File: VW017328.D

Acq: 18 Nov 2020 15:04

Instrument :

MSVOA_W

ClientSampleId :

VICV04

Tgt Ion:180 Resp: 206075

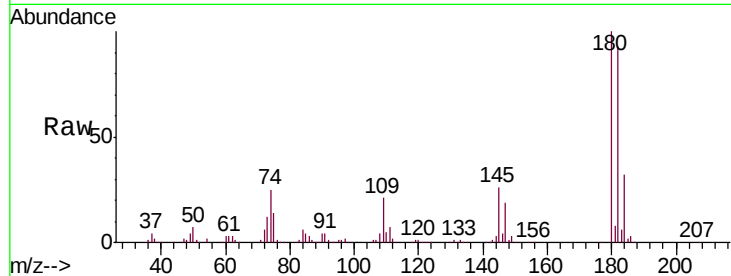
Ion Ratio Lower Upper

180 100

182 96.5 76.8 115.2

184 31.9 23.9 35.9

145 28.6 22.6 33.8

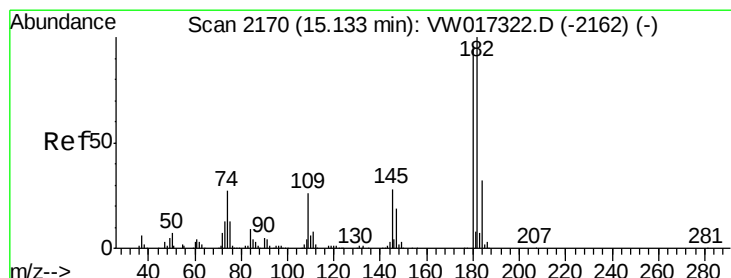
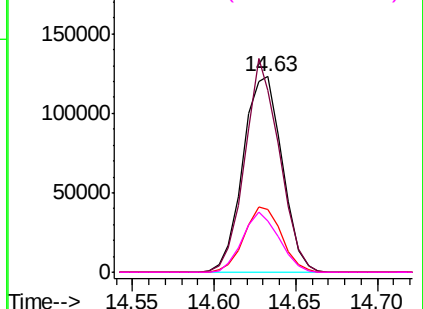
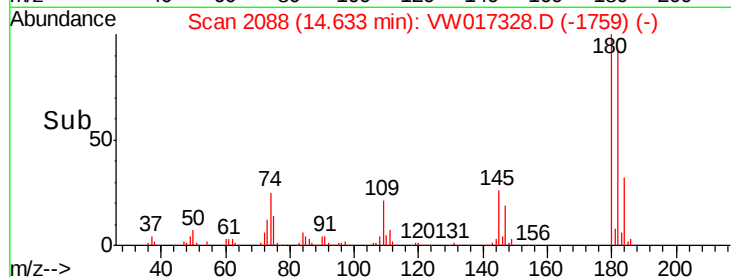


Abundance Ion 180.00 (179.70 to 180.70): V

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: 23.673 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW017328.D

Acq: 18 Nov 2020 15:04

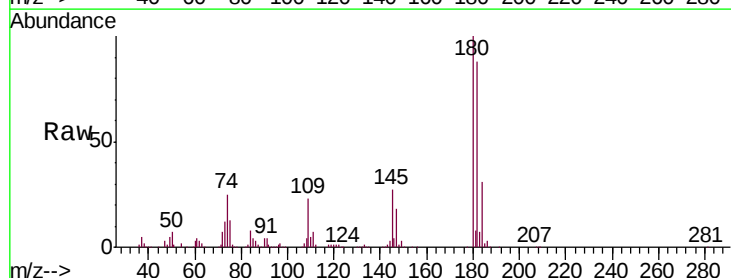
Tgt Ion:180 Resp: 162206

Ion Ratio Lower Upper

180 100

182 96.5 77.0 115.6

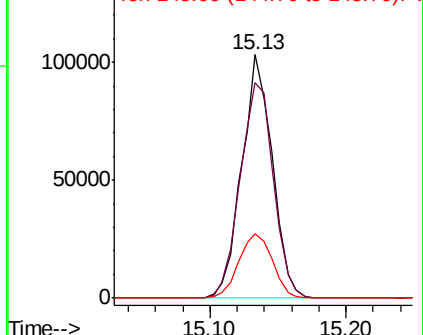
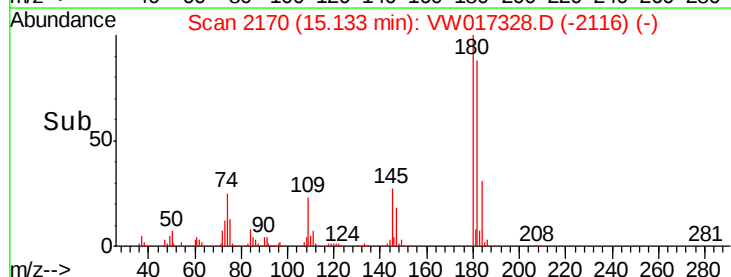
145 29.2 22.9 34.3

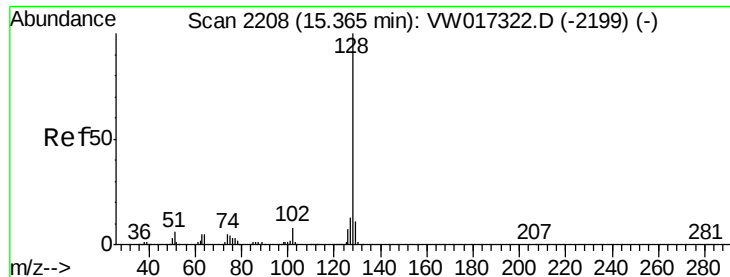


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 24.838 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW017328.D

Acq: 18 Nov 2020 15:04

Instrument :

MSVOA_W

ClientSampleId :

VICV04

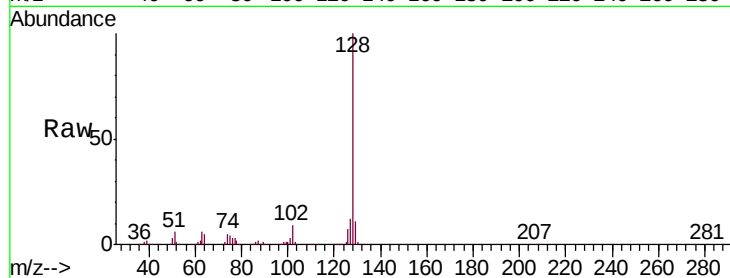
Tgt Ion:128 Resp: 244333

Ion Ratio Lower Upper

128 100

129 10.6 8.6 13.0

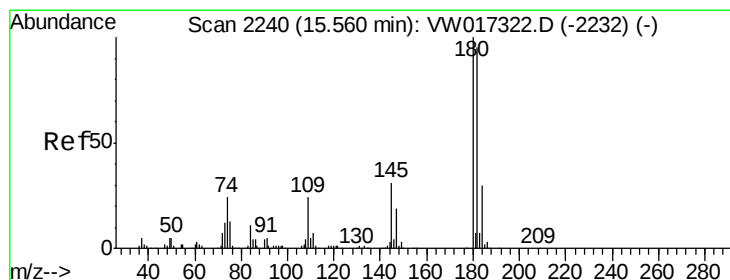
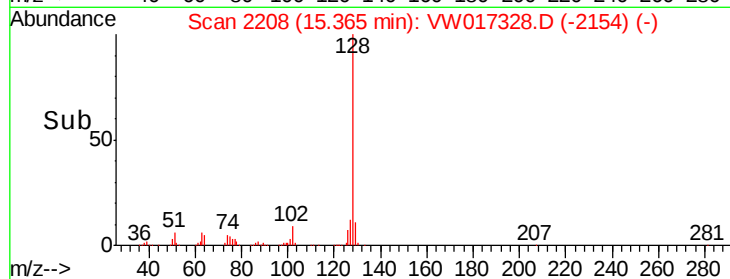
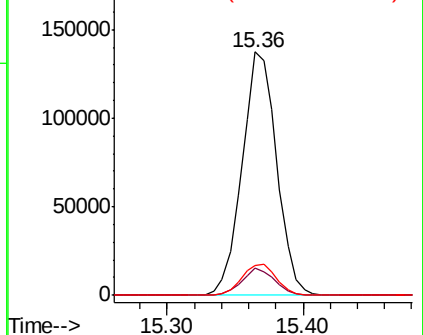
127 12.9 10.4 15.6



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: 23.530 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW017328.D

Acq: 18 Nov 2020 15:04

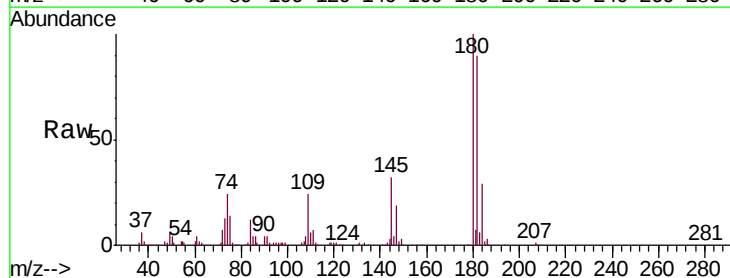
Tgt Ion:180 Resp: 141841

Ion Ratio Lower Upper

180 100

182 91.8 78.6 118.0

145 31.6 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

