

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082720\
 Data File : VW016379.D
 Acq On : 27 Aug 2020 09:13
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

Quant Time: Aug 28 07:50:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 27 13:55:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	268405	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	251488	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	127639	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	61507	21.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.84%
7) Chloroethane-d5	2.89	69	49903	22.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.76%
10) 1,1-Dichloroethene-d2	4.02	63	156180	22.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.76%
20) 2-Butanone-d5	7.08	46	43389	53.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.48%
24) Chloroform-d	7.65	84	176798	25.27	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.08%
26) 1,2-Dichloroethane-d4	8.31	65	98454	27.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.20%
29) Benzene-d6	8.27	84	337419	24.03	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.12%
33) 1,2-Dichloropropane-d6	9.27	67	92667	23.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.40%
37) Toluene-d8	10.33	98	323211	24.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.60%
38) trans-1,3-Dichloropropene-	10.58	79	48284	25.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.00%
39) 2-Hexanone-d5	10.93	63	31778	51.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.10%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	88188	27.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.08%
61) 1,2-Dichlorobenzene-d4	13.86	152	115476	23.59	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.36%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	70846	24.022	ug/L	97
3) Chloromethane	2.21	50	49049	21.301	ug/L	97
5) Vinyl chloride	2.37	62	75420	24.048	ug/L	97
6) Bromomethane	2.78	94	48359	23.586	ug/L	100
8) Chloroethane	2.93	64	43280	24.749	ug/L	99
9) Trichlorofluoromethane	3.26	101	88983	26.218	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	94189	25.424	ug/L	98
12) 1,1-Dichloroethene	4.04	96	89192	25.031	ug/L	88
13) Acetone	4.13	43	37546	55.510	ug/L	95
14) Carbon disulfide	4.39	76	253172	23.964	ug/L	98
15) Methyl Acetate	4.67	43	36251	26.638	ug/L	100
16) Methylene chloride	4.92	84	95276	19.202	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	133764	25.674	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	90217	24.103	ug/L	97
19) 1,1-Dichloroethane	6.22	63	151372	24.545	ug/L	97
21) 2-Butanone	7.18	43	50428	52.330	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	96762	24.581	ug/L	90

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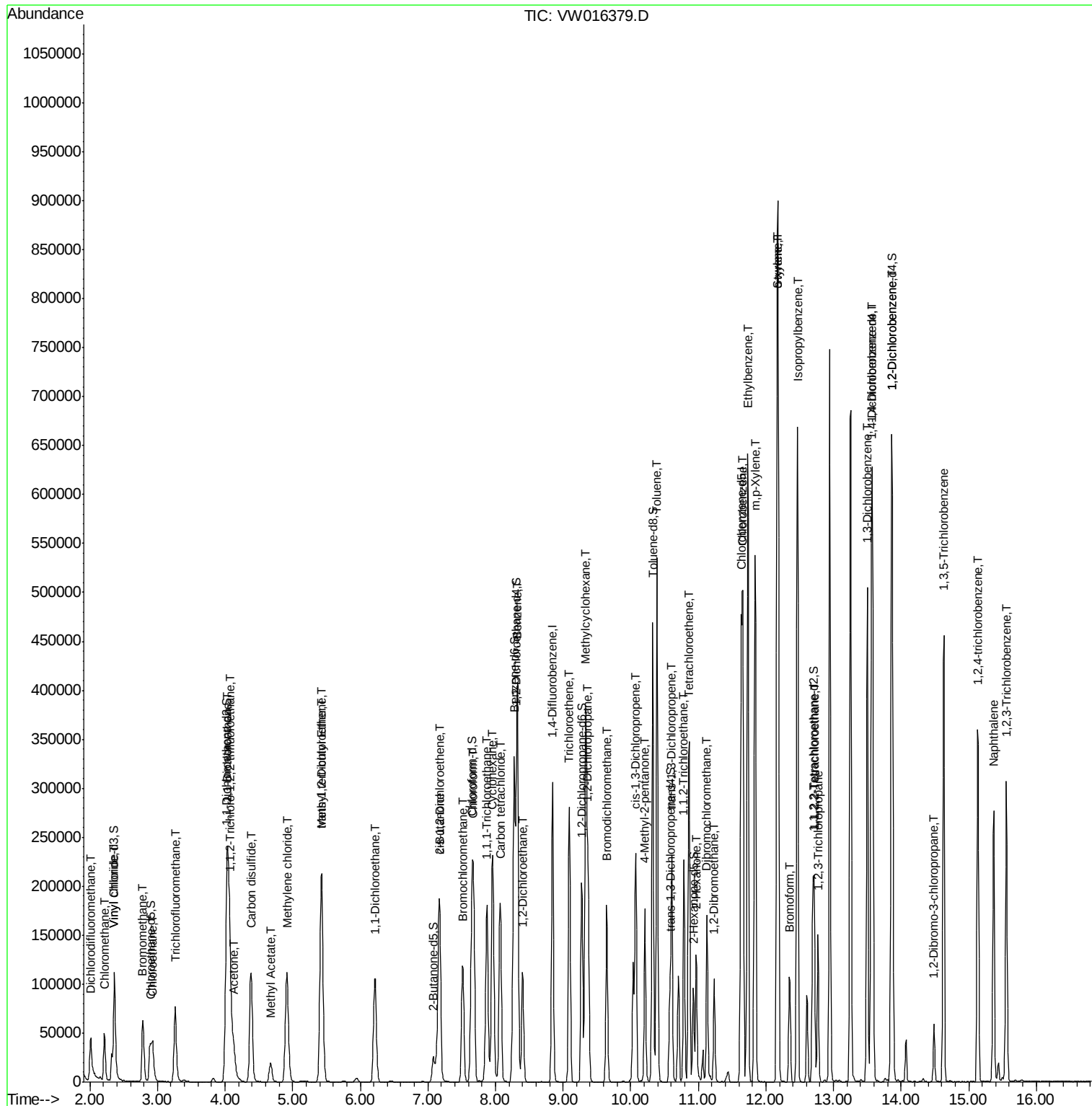
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	47107	26.090	ug/L	92
25) Chloroform	7.68	83	170833	25.721	ug/L	98
27) 1,2-Dichloroethane	8.40	62	108213	26.014	ug/L	99
30) Cyclohexane	7.96	56	127562	23.468	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	153772	25.422	ug/L	99
32) Carbon tetrachloride	8.07	117	147858	25.744	ug/L	99
34) Benzene	8.32	78	355144	24.620	ug/L	100
35) Trichloroethene	9.09	95	99204	24.289	ug/L	99
36) Methylcyclohexane	9.34	83	163152	24.470	ug/L	99
40) 1,2-Dichloropropane	9.37	63	82420	24.295	ug/L	99
41) Bromodichloromethane	9.65	83	122374	25.465	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	139751	25.160	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	103214	50.886	ug/L	99
44) Toluene	10.39	91	396733	25.255	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	128906	26.248	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	73403	26.215	ug/L	94
47) Tetrachloroethene	10.87	164	80151	24.886	ug/L	97
49) 2-Hexanone	10.97	43	75444	57.415	ug/L	97
50) Dibromochloromethane	11.13	129	91999	26.381	ug/L	98
51) 1,2-Dibromoethane	11.24	107	71658	26.146	ug/L	98
52) Chlorobenzene	11.66	112	264715	25.230	ug/L	98
53) Ethylbenzene	11.73	91	454267	25.154	ug/L	95
54) m,p-Xylene	11.84	106	173437	24.989	ug/L	95
55) o-xylene	12.17	106	163607	25.092	ug/L	95
56) Styrene	12.18	104	286604	26.122	ug/L	96
57) Isopropylbenzene	12.46	105	451637	24.882	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	86857	26.584	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	64854	26.801	ug/L	98
62) Bromoform	12.35	173	53188	25.640	ug/L	96
63) 1,3-Dichlorobenzene	13.50	146	202790	23.575	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	205674	23.602	ug/L	93
65) 1,2-Dichlorobenzene	13.87	146	183536	23.895	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	15690	25.985	ug/L #	88
67) 1,3,5-Trichlorobenzene	14.63	180	138308	23.299	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	113512	24.091	ug/L	99
69) Naphthalene	15.37	128	239922	25.921	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	101544	24.504	ug/L	98

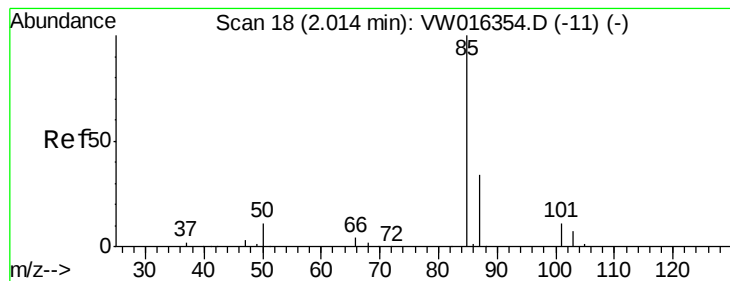
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.022 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW016379.D

Acq: 27 Aug 2020 09:13

Instrument :

MSVOA_W

ClientSampled :

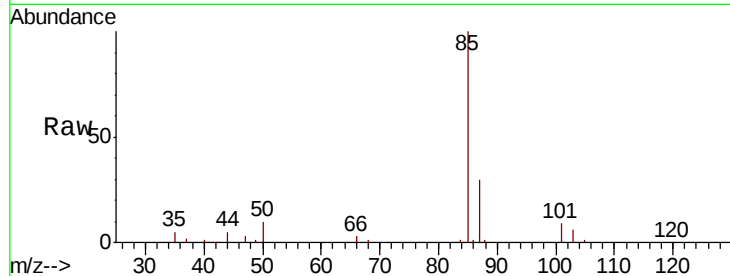
VSTD02529

Tot Ion: 85 Resp: 70846

Ion Ratio Lower Upper

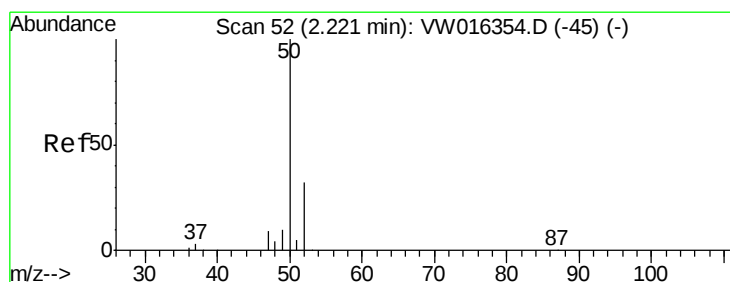
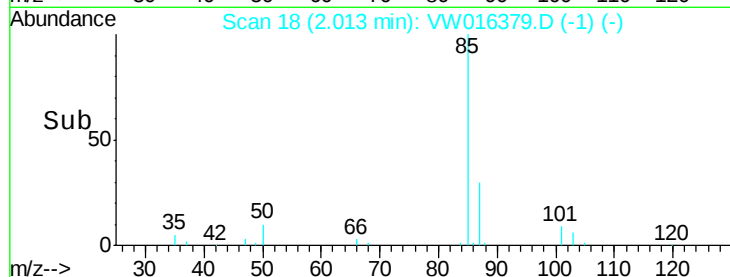
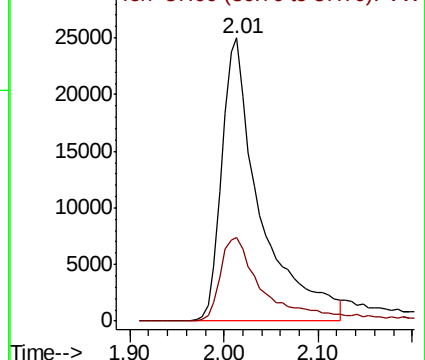
85 100

87 32.3 21.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 21.301 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW016379.D

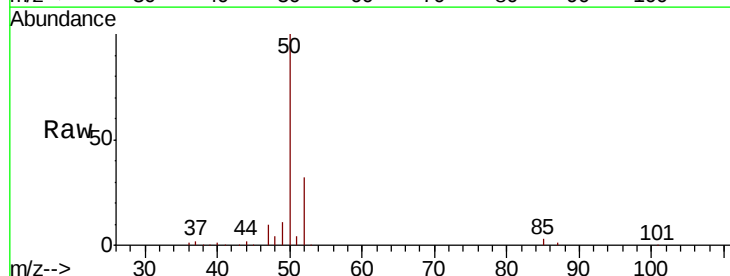
Acq: 27 Aug 2020 09:13

Tgt Ion: 50 Resp: 49049

Ion Ratio Lower Upper

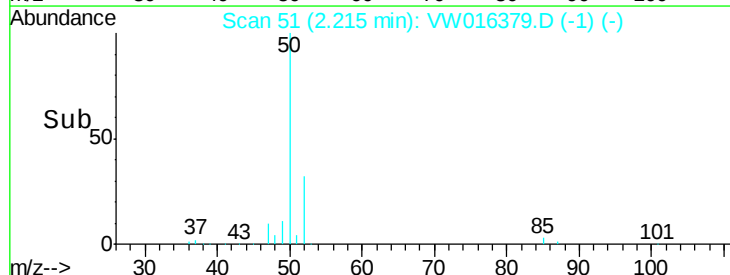
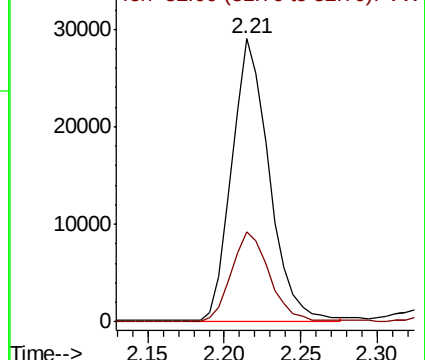
50 100

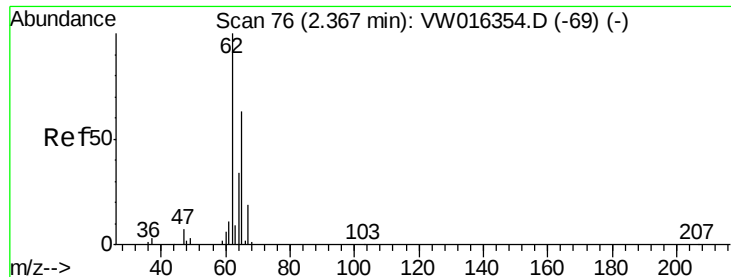
52 31.9 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.048 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW016379.D

Acq: 27 Aug 2020 09:13

Instrument :

MSVOA_W

ClientSampleId :

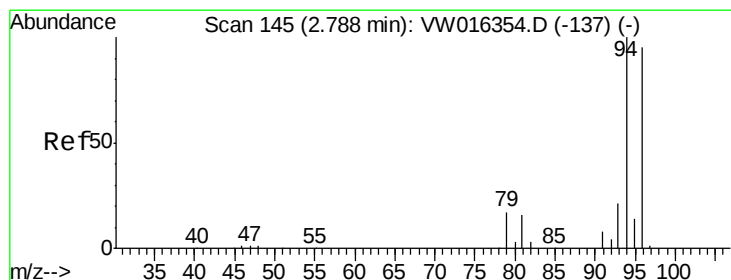
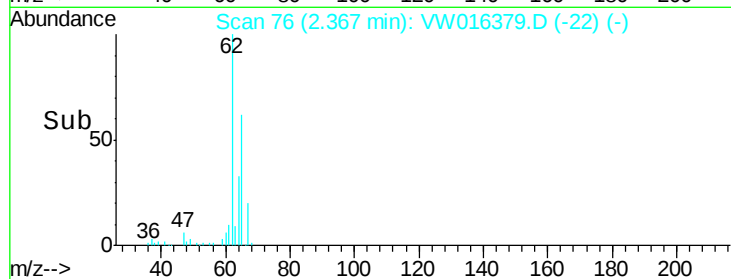
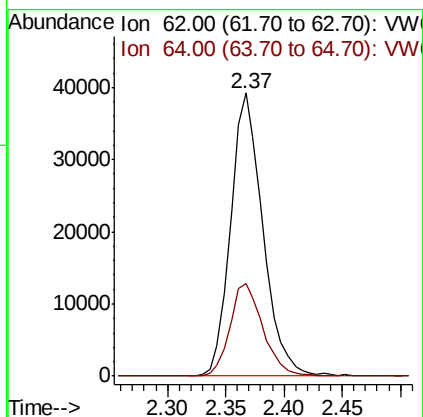
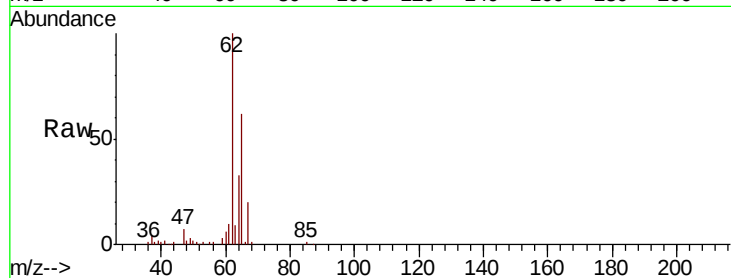
VSTD02529

Tot Ion: 62 Resp: 75420

Ion Ratio Lower Upper

62 100

64 33.0 22.0 41.0



#6

Bromomethane

Concen: 23.586 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW016379.D

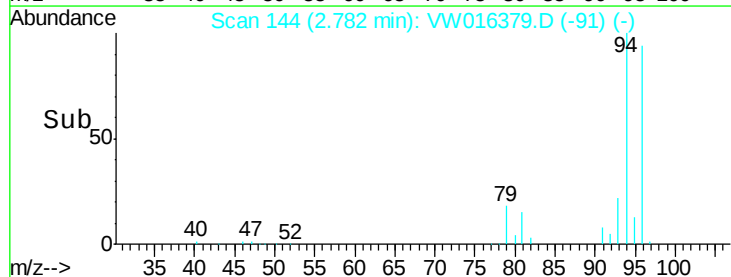
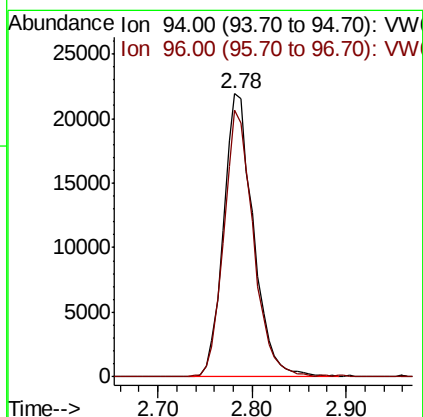
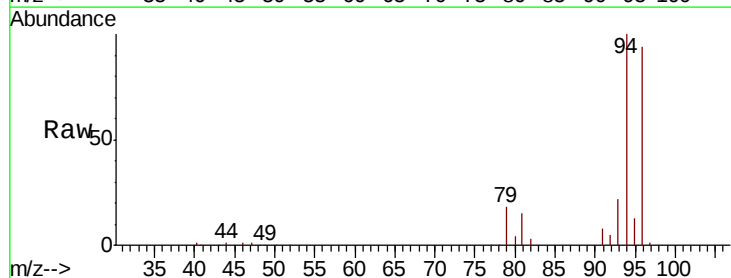
Acq: 27 Aug 2020 09:13

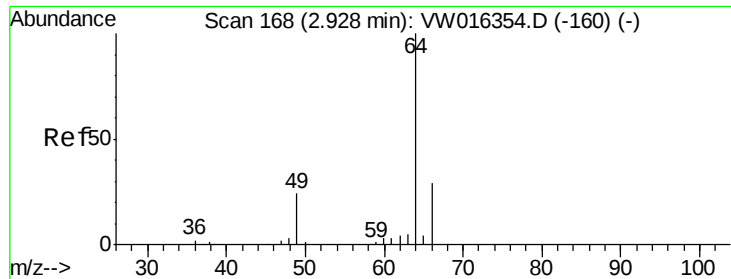
Tgt Ion: 94 Resp: 48359

Ion Ratio Lower Upper

94 100

96 92.8 9.3 176.7

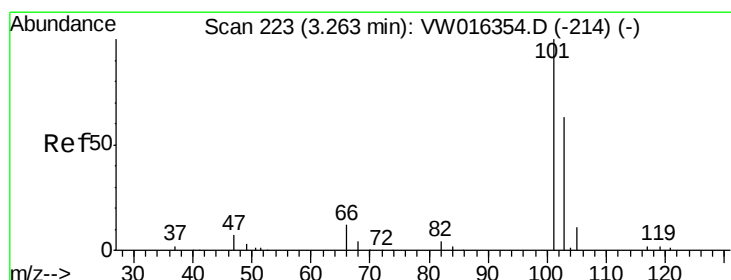
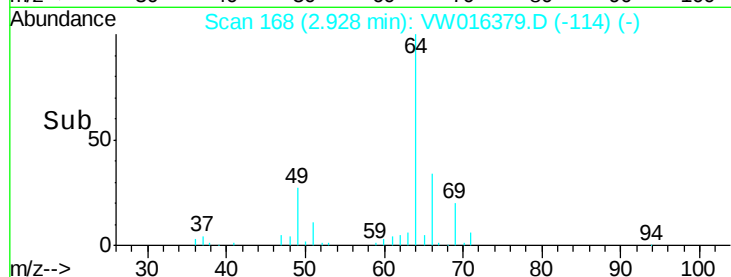
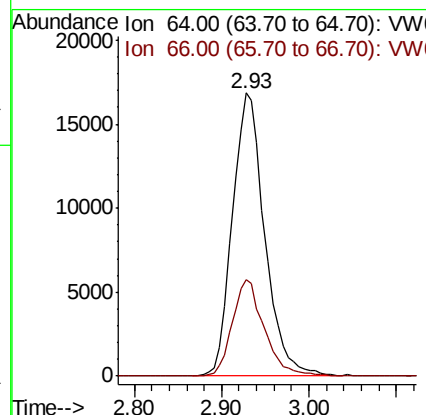
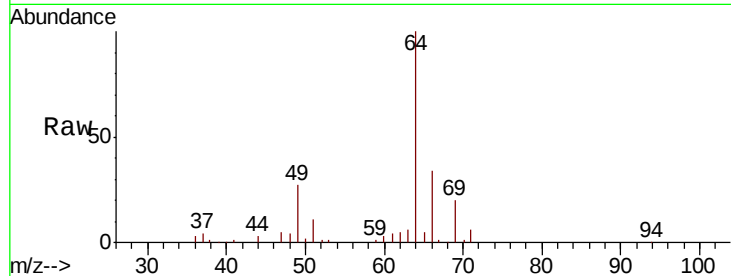




#8
Chloroethane
Concen: 24.749 ug/L
RT: 2.93 min Scan# 168
Delta R.T. -0.00 min
Lab File: VW016379.D
Acq: 27 Aug 2020 09:13

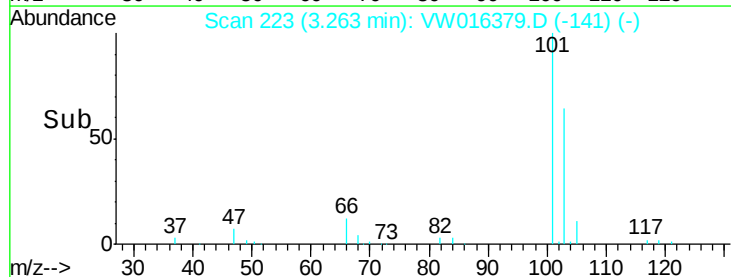
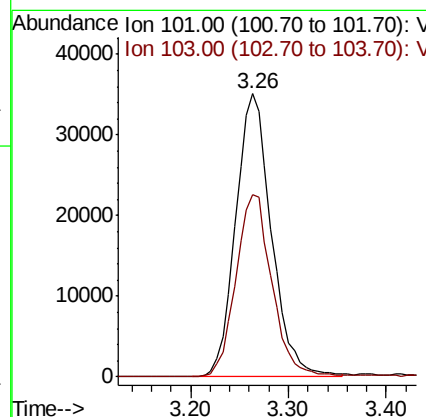
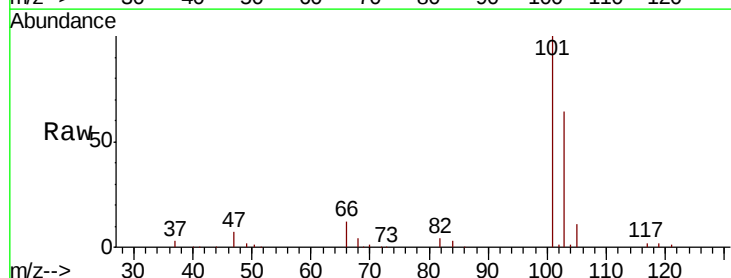
Instrument :
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VSTD02529

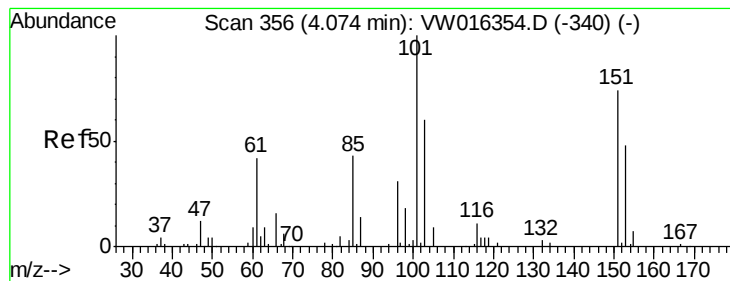
Tot Ion: 64 Resp: 43280
Ion Ratio Lower Upper
64 100
66 34.1 24.1 44.8



#9
Trichlorofluoromethane
Concen: 26.218 ug/L
RT: 3.26 min Scan# 223
Delta R.T. -0.00 min
Lab File: VW016379.D
Acq: 27 Aug 2020 09:13

Tgt Ion: 101 Resp: 88983
Ion Ratio Lower Upper
101 100
103 65.1 44.8 83.2





#11

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

Concen: 25.424 ug/L

RT: 4.07 min Scan# 356

Delta R.T. -0.00 min

Lab File: VW016379.D

Acq: 27 Aug 2020 09:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

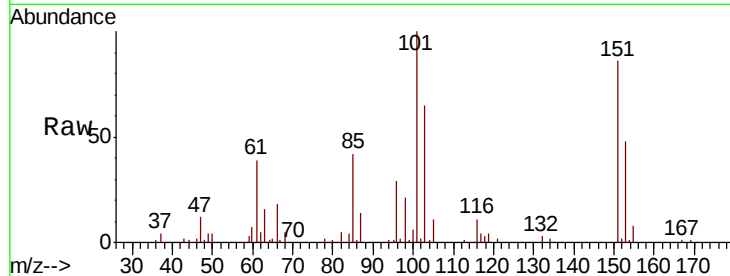
Tot Ion:101 Resp: 94189

Ion Ratio Lower Upper

101 100

85 41.9 31.8 47.6

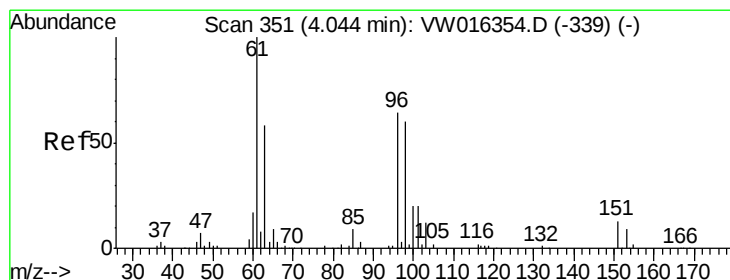
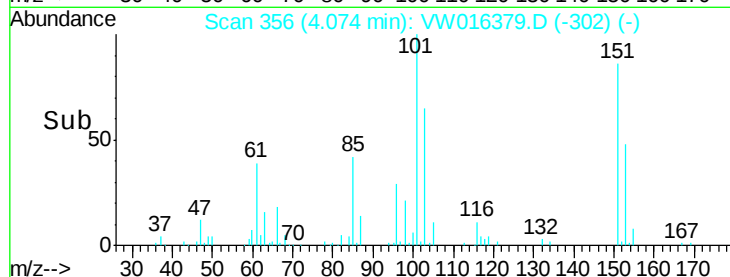
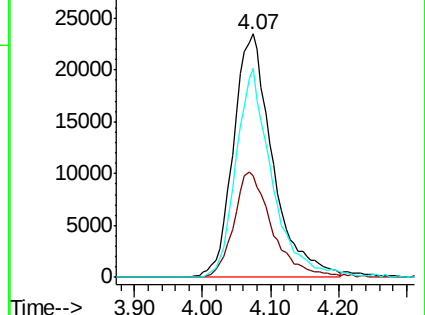
151 77.6 60.9 91.3



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: 25.031 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW016379.D

Acq: 27 Aug 2020 09:13

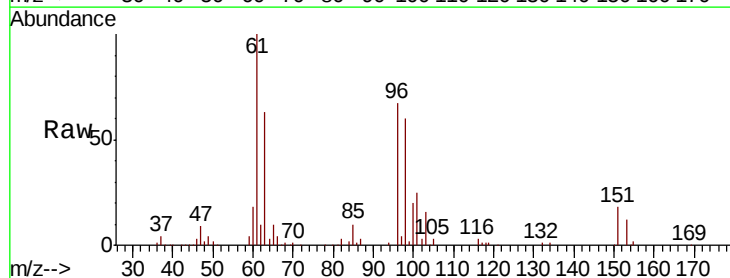
Tgt Ion: 96 Resp: 89192

Ion Ratio Lower Upper

96 100

61 148.2 112.3 208.5

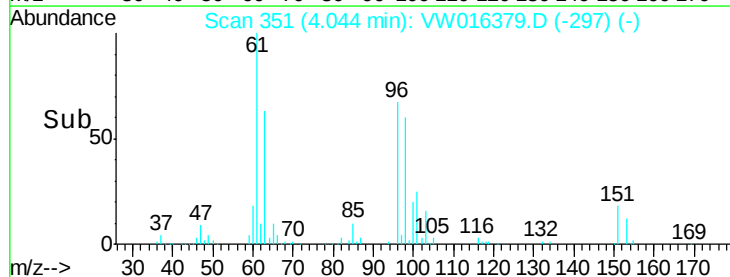
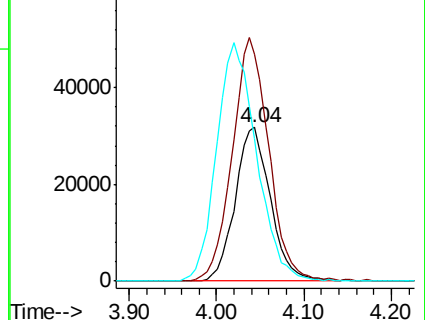
63 93.2 77.3 143.7

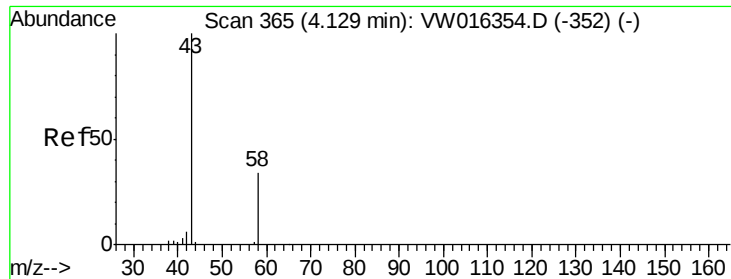


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 55.510 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW016379.D

Acq: 27 Aug 2020 09:13

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ClientSampleId :

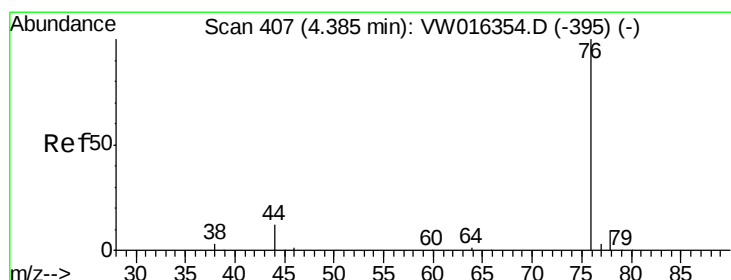
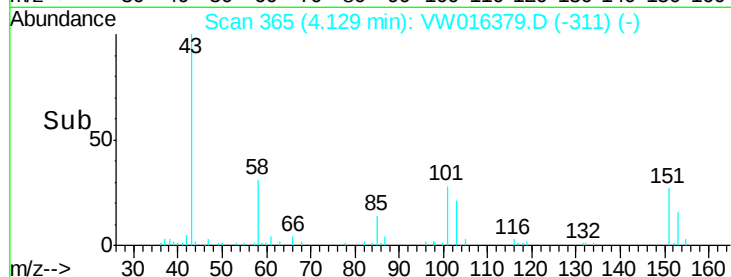
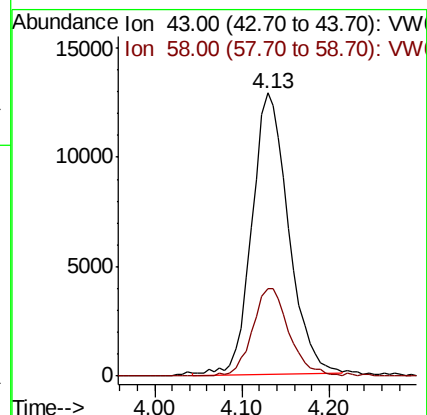
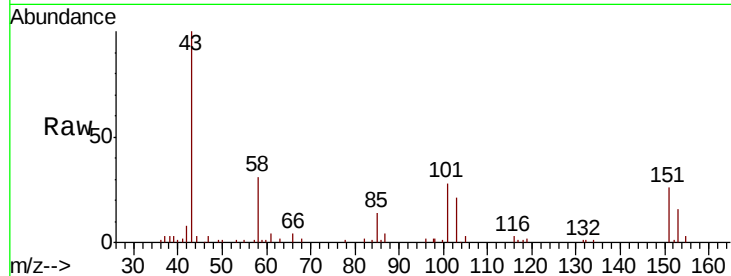
VSTD02529

Tot Ion: 43 Resp: 37546

Ion Ratio Lower Upper

43 100

58 29.3 0.0 63.8



#14

Carbon disulfide

Concen: 23.964 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

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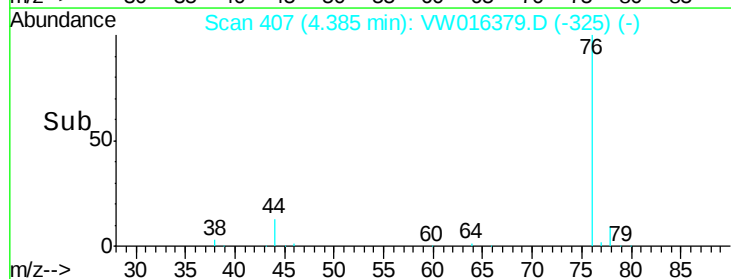
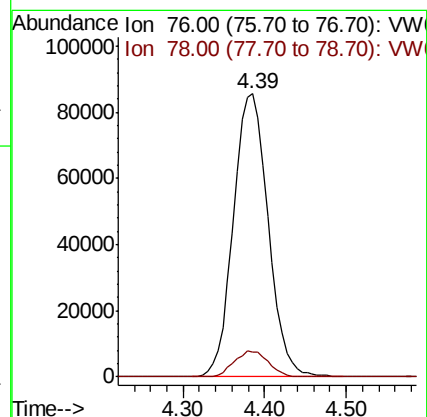
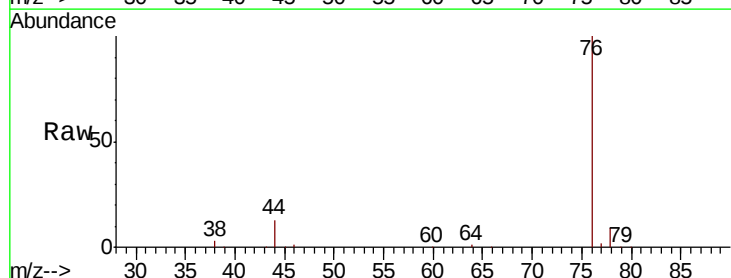
Acq: 27 Aug 2020 09:13

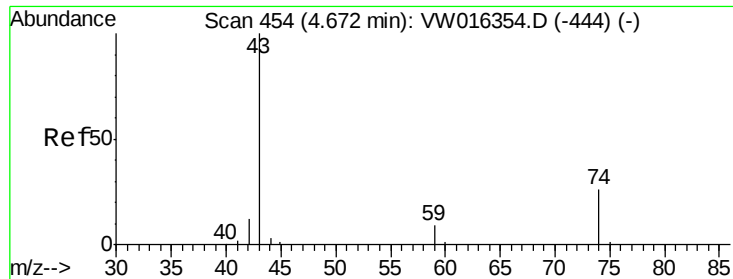
Tgt Ion: 76 Resp: 253172

Ion Ratio Lower Upper

76 100

78 8.9 7.7 11.5

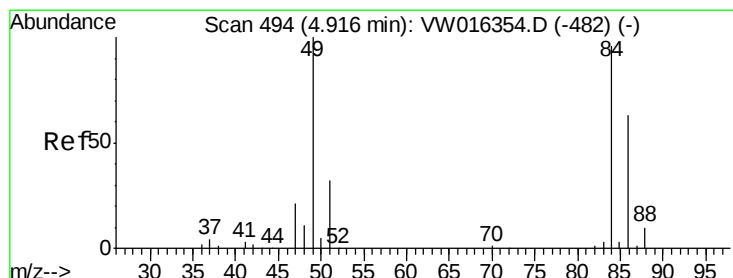
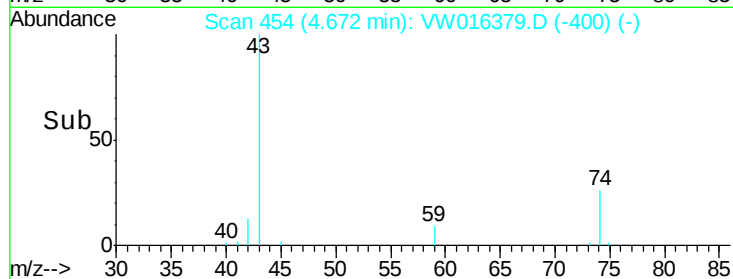
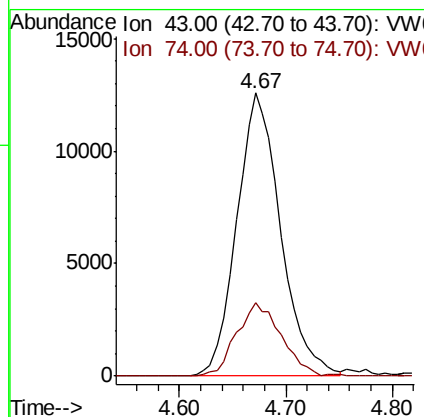
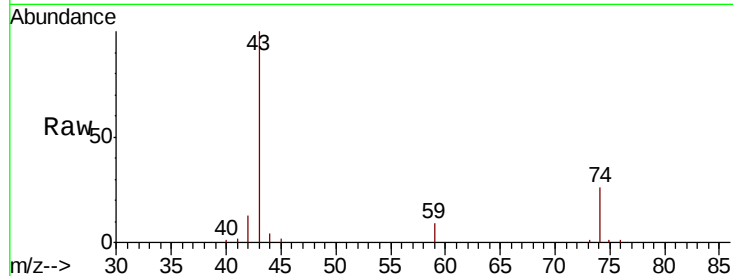




#15
Methyl Acetate
Concen: 26.638 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW016379.D
Acq: 27 Aug 2020 09:13

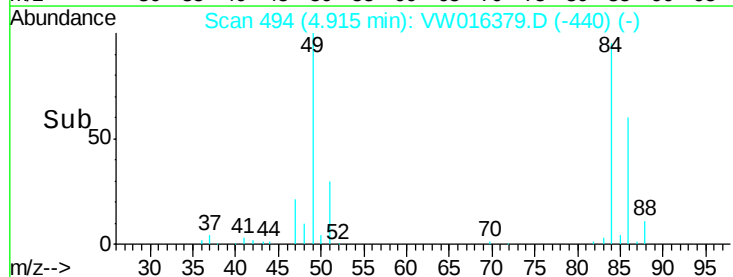
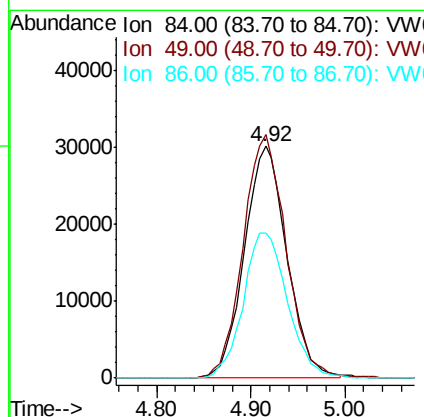
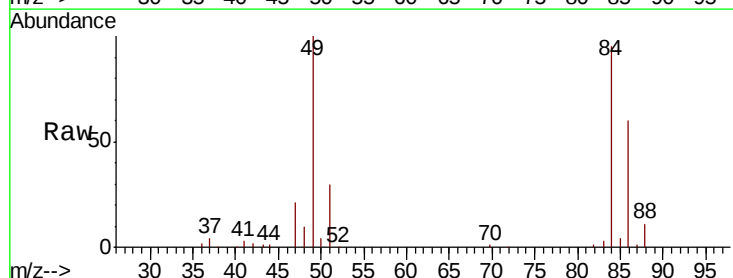
Instrument :
MSVOA_W
ClientSampled :
VSTD02529

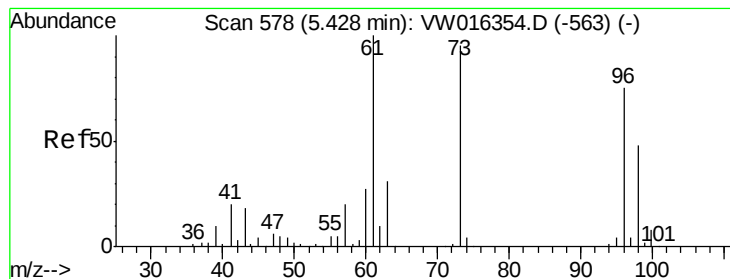
Tot Ion: 43 Resp: 36251
Ion Ratio Lower Upper
43 100
74 26.2 21.0 31.6



#16
Methylene chloride
Concen: 19.202 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW016379.D
Acq: 27 Aug 2020 09:13

Tgt Ion: 84 Resp: 95276
Ion Ratio Lower Upper
84 100
49 105.0 75.3 139.9
86 62.7 43.3 80.3





#17

Methyl tert-butyl Ether

Concen: 25.674 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW016379.D

Acq: 27 Aug 2020 09:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

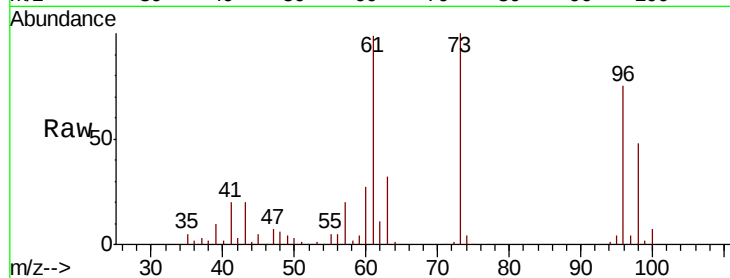
Tot Ion: 73 Resp: 133764

Ion Ratio Lower Upper

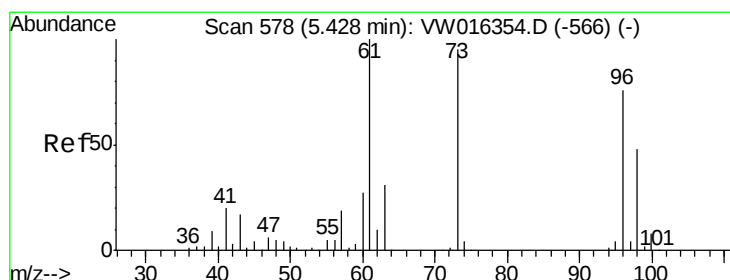
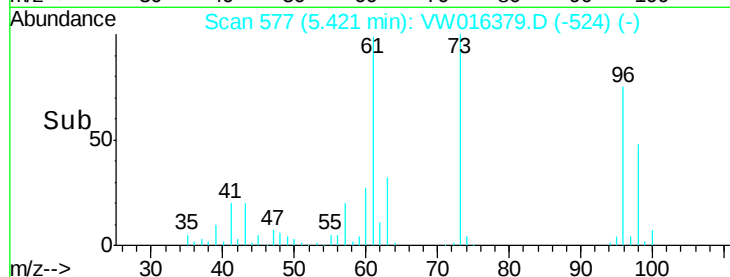
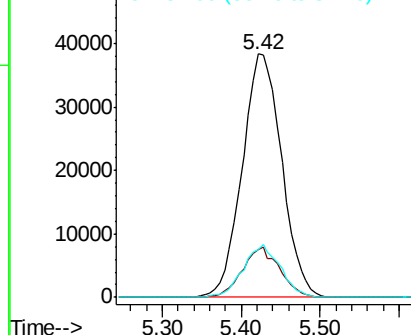
73 100

43 19.5 15.3 22.9

57 20.4 16.1 24.1



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: 24.103 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW016379.D

Acq: 27 Aug 2020 09:13

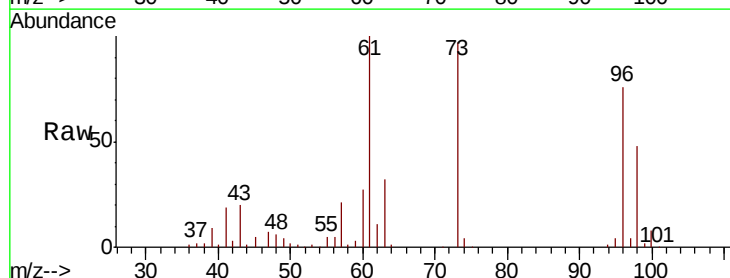
Tgt Ion: 96 Resp: 90217

Ion Ratio Lower Upper

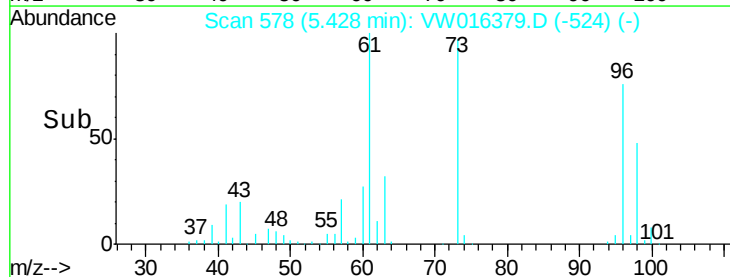
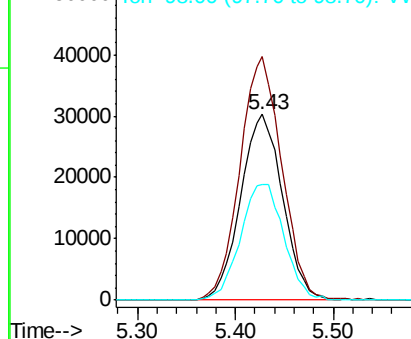
96 100

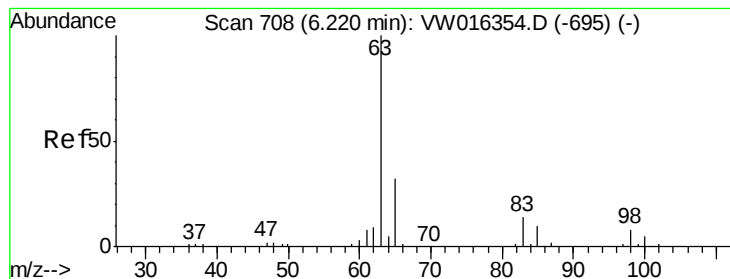
61 131.2 89.9 167.0

98 62.4 41.6 77.2



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: 24.545 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW016379.D

Acq: 27 Aug 2020 09:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

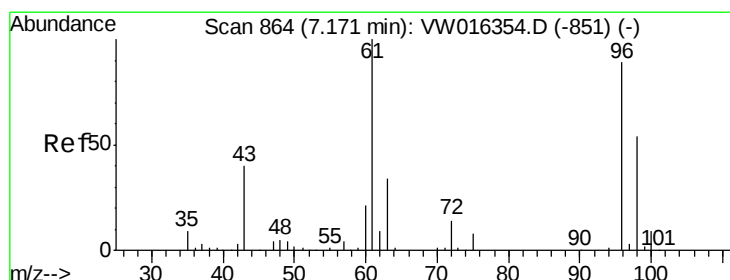
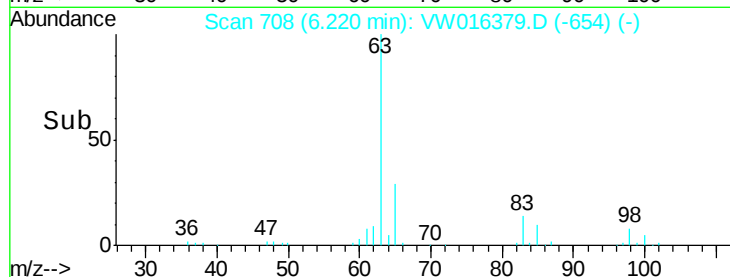
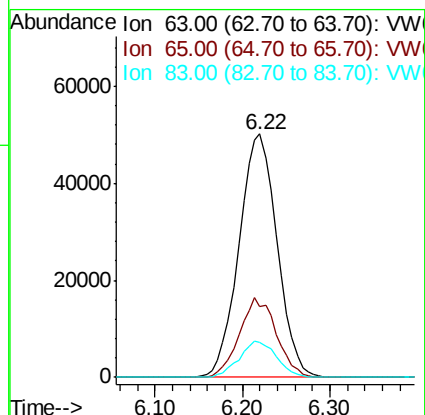
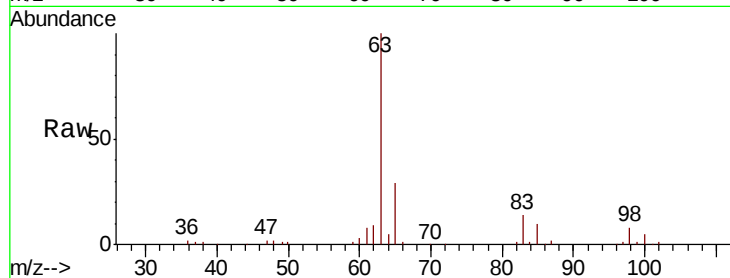
Tot Ion: 63 Resp: 151372

Ion Ratio Lower Upper

63 100

65 29.3 21.8 40.6

83 14.5 9.6 17.8



#21

2-Butanone

Concen: 52.330 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW016379.D

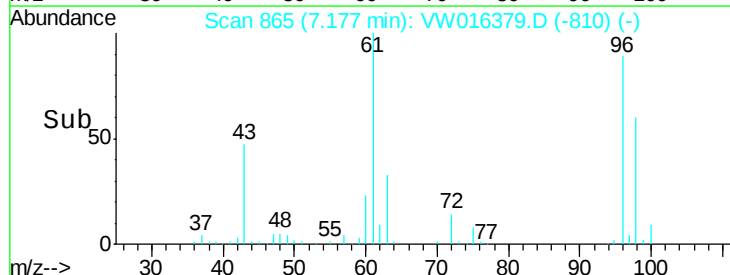
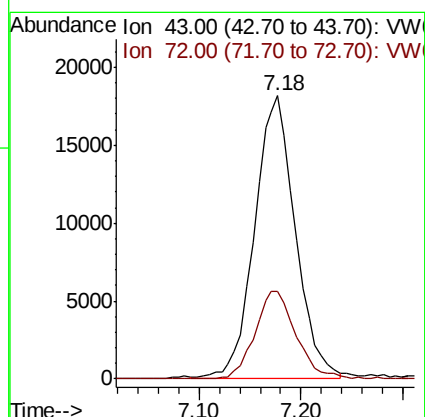
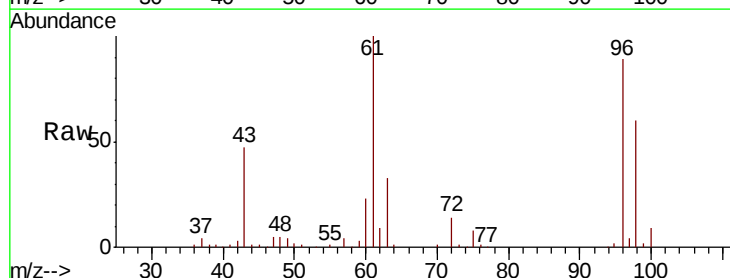
Acq: 27 Aug 2020 09:13

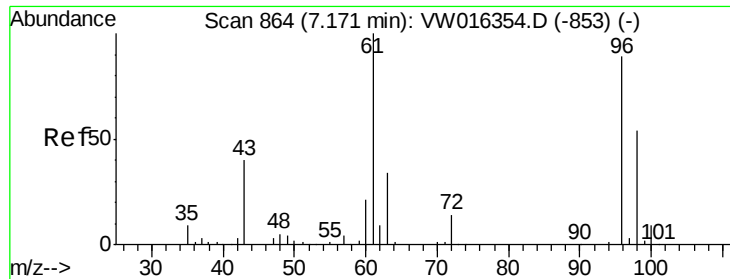
Tgt Ion: 43 Resp: 50428

Ion Ratio Lower Upper

43 100

72 30.9 16.0 48.0

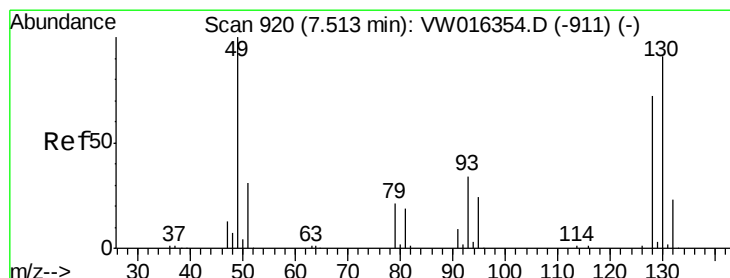
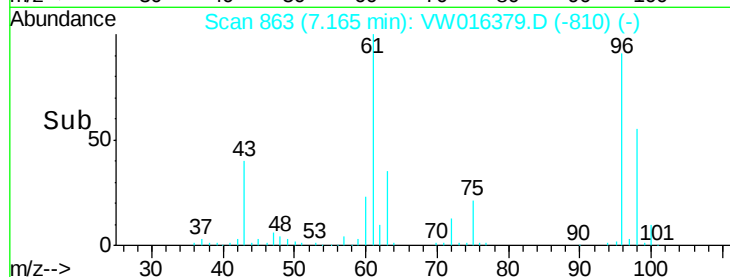
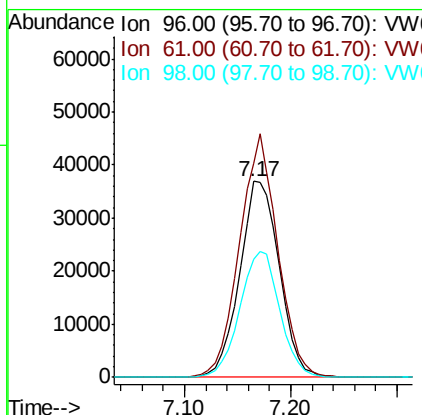
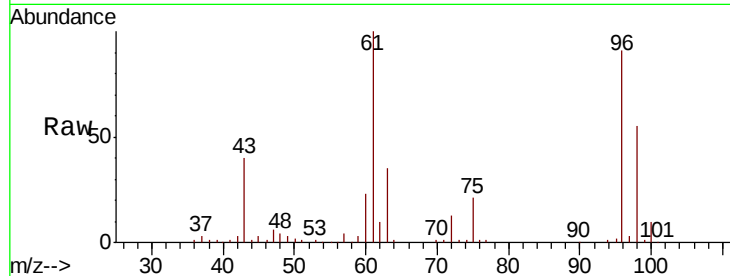




#22
 cis-1,2-Dichloroethene
 Concen: 24.581 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW016379.D
 Acq: 27 Aug 2020 09:13

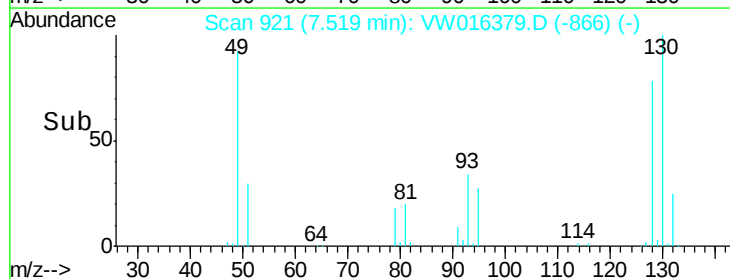
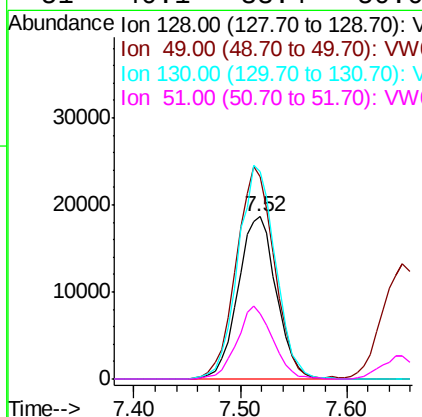
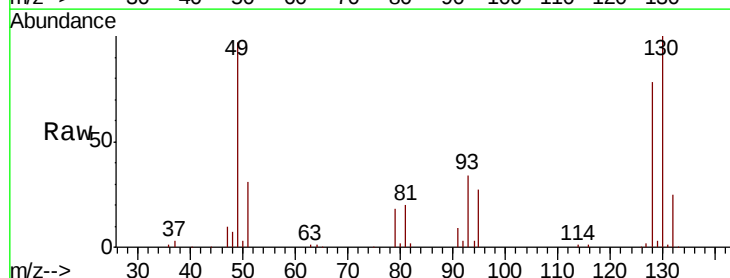
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

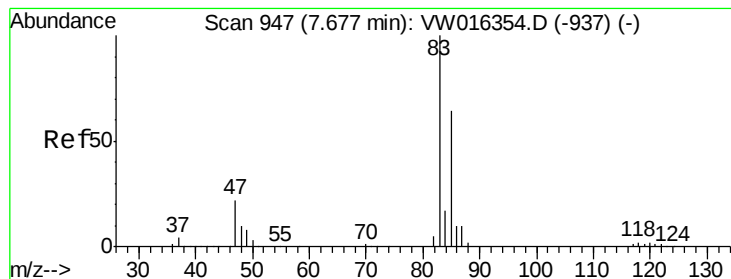
Tot Ion: 96 Resp: 96762
 Ion Ratio Lower Upper
 96 100
 61 109.7 84.9 157.7
 98 60.3 46.8 86.8



#23
 Bromochloromethane
 Concen: 26.090 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW016379.D
 Acq: 27 Aug 2020 09:13

Tgt Ion: 128 Resp: 47107
 Ion Ratio Lower Upper
 128 100
 49 124.3 94.5 175.5
 130 128.0 83.0 154.1
 51 40.1 33.4 50.0





#25

Chloroform

Concen: 25.721 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW016379.D

Acq: 27 Aug 2020 09:13

Instrument :

MSVOA_W

ClientSampleId :

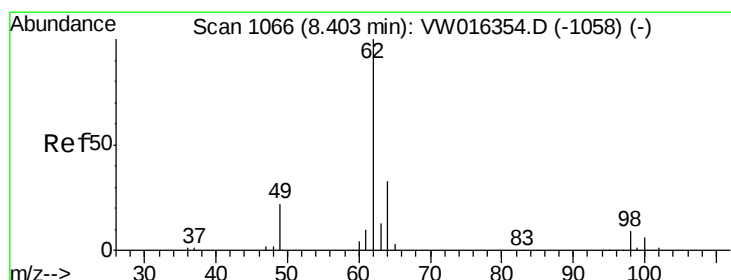
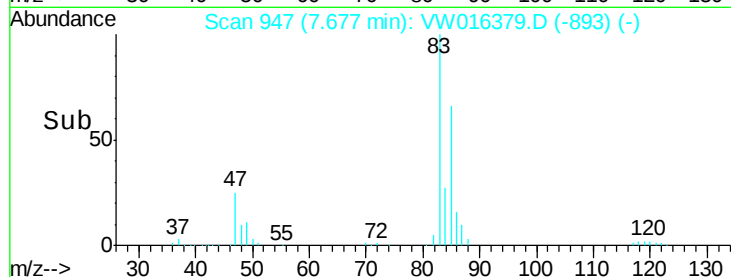
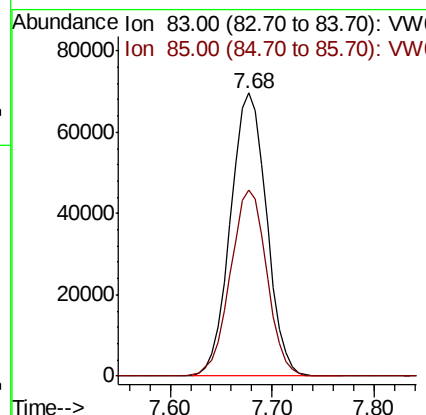
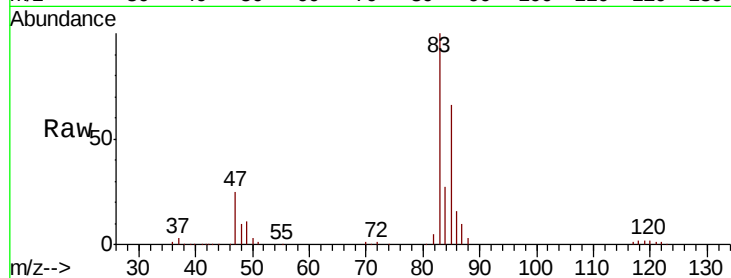
VSTD02529

Tot Ion: 83 Resp: 170833

Ion Ratio Lower Upper

83 100

85 66.4 45.3 84.1



#27

1,2-Dichloroethane

Concen: 26.014 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW016379.D

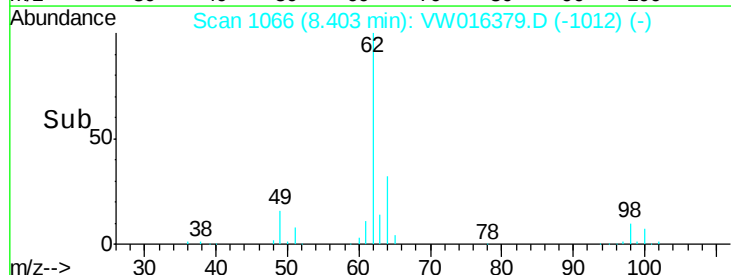
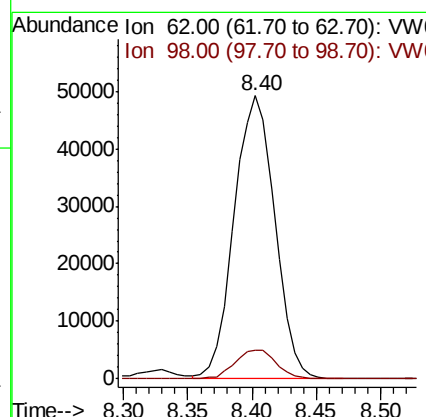
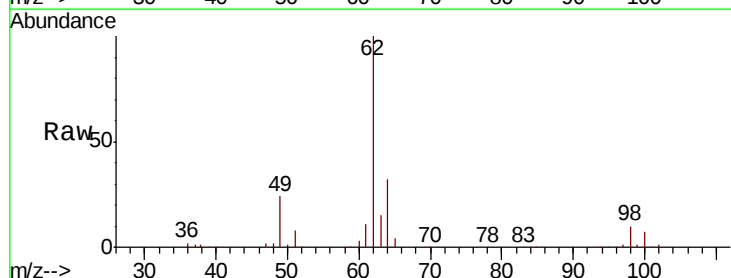
Acq: 27 Aug 2020 09:13

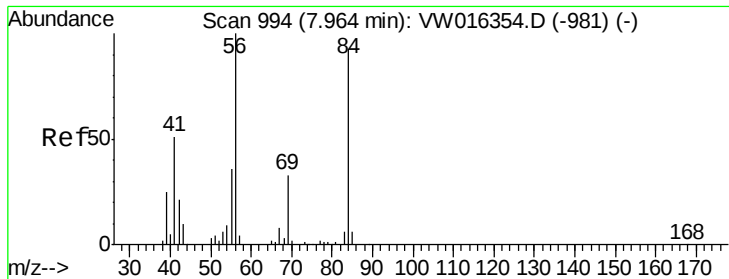
Tgt Ion: 62 Resp: 108213

Ion Ratio Lower Upper

62 100

98 10.3 7.8 11.8

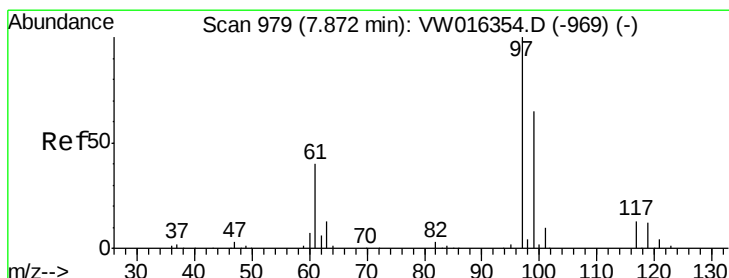
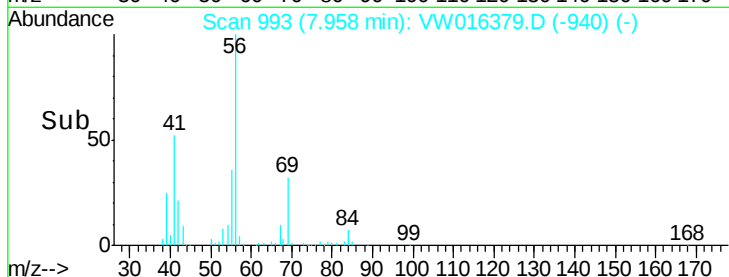
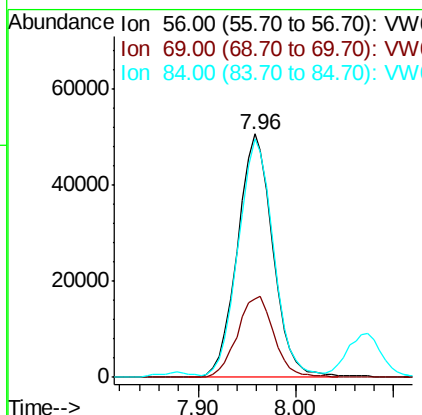
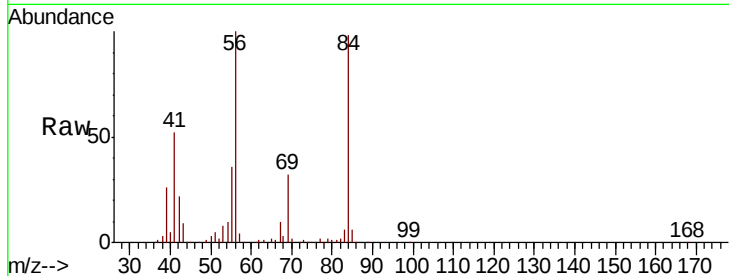




#30
Cyclohexane
Concen: 23.468 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.01 min
Lab File: VW016379.D
Acq: 27 Aug 2020 09:13

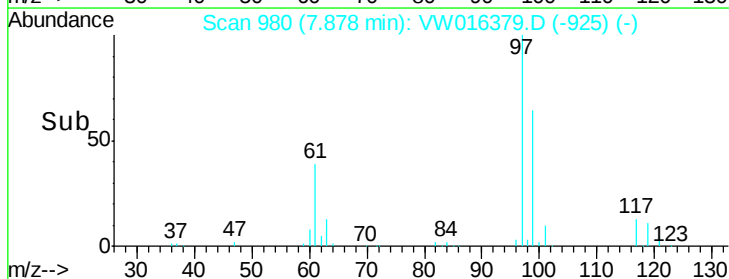
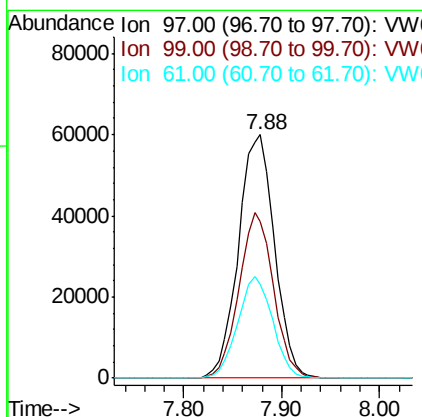
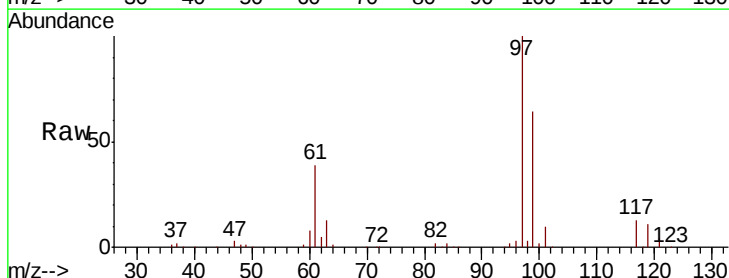
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

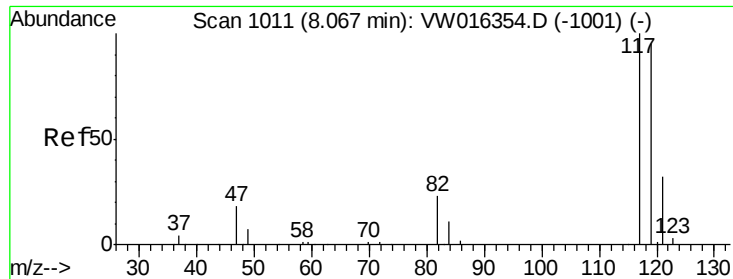
Tot Ion	56	Resp	127562
Ion Ratio	Lower	Upper	
56	100		
69	34.1	26.6	40.0
84	97.2	78.4	117.6



#31
1,1,1-Trichloroethane
Concen: 25.422 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW016379.D
Acq: 27 Aug 2020 09:13

Tgt Ion	97	Resp	153772
Ion Ratio	Lower	Upper	
97	100		
99	64.9	51.5	77.3
61	40.5	32.0	48.0





#32

Carbon tetrachloride

Concen: 25.744 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW016379.D

Acq: 27 Aug 2020 09:13

Instrument :

MSVOA_W

ClientSampleId :

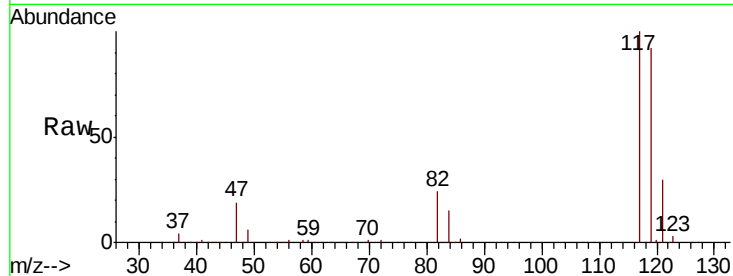
VSTD02529

Tot Ion:117 Resp: 147858

Ion Ratio Lower Upper

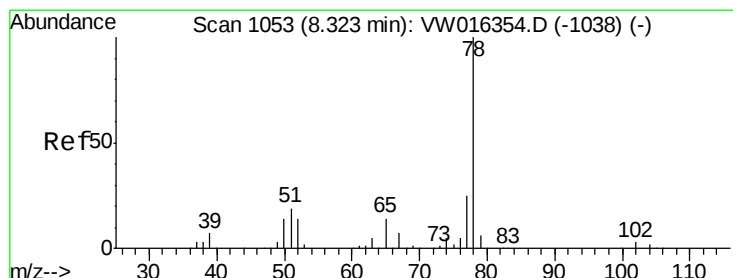
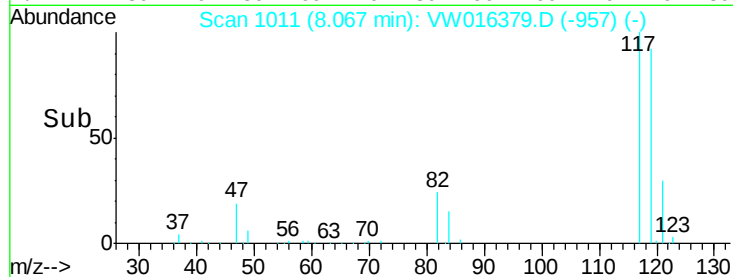
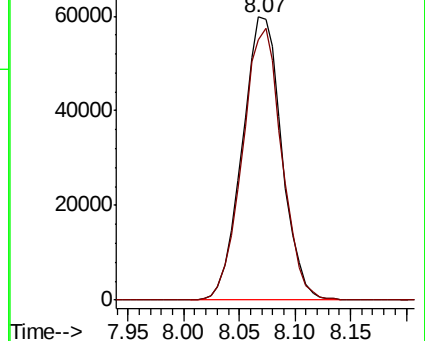
117 100

119 95.6 77.3 115.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.620 ug/L

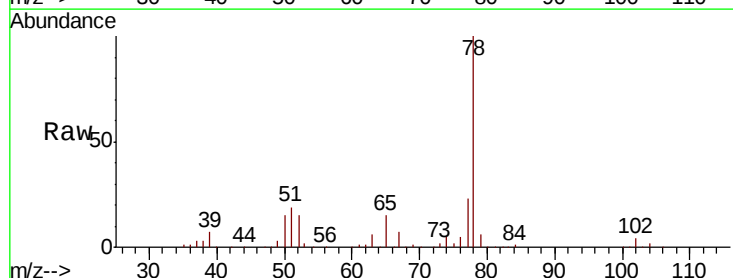
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

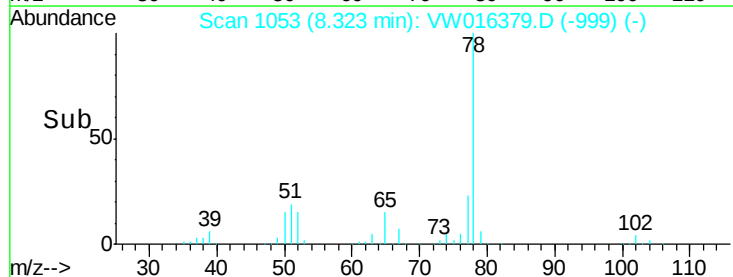
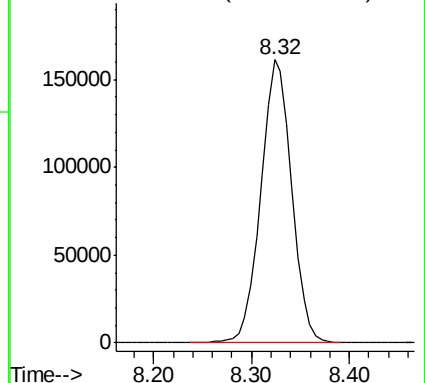
Lab File: VW016379.D

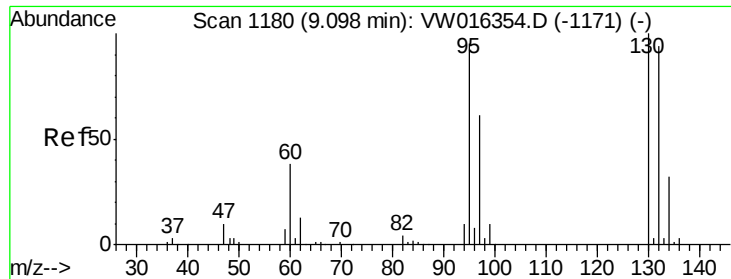
Acq: 27 Aug 2020 09:13

Tgt Ion: 78 Resp: 355144



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.289 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW016379.D

Acq: 27 Aug 2020 09:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

Tot Ion: 95 Resp: 99204

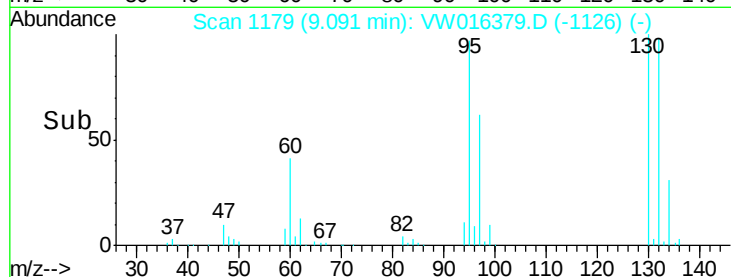
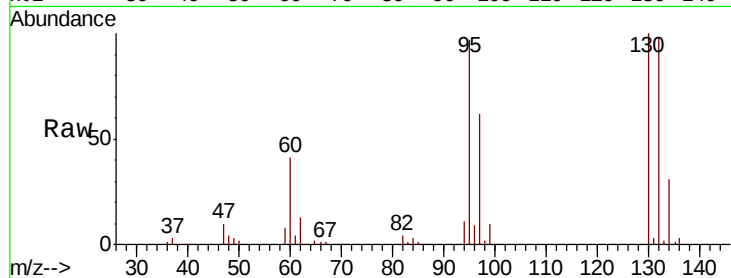
Ion Ratio Lower Upper

95 100

97 65.0 44.9 83.5

132 98.3 68.2 126.6

130 103.8 71.5 132.9

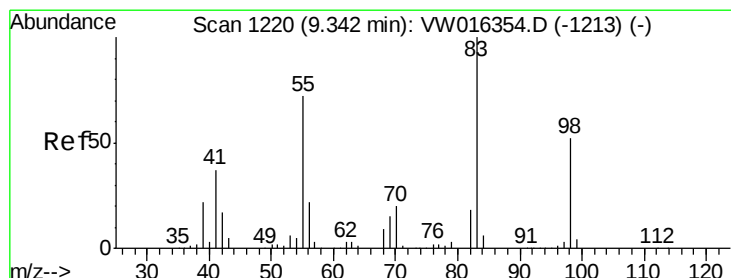
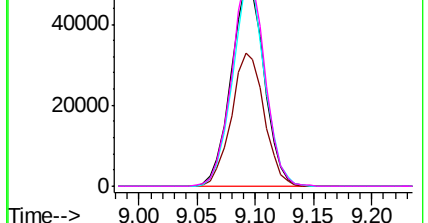


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 24.470 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VW016379.D

Acq: 27 Aug 2020 09:13

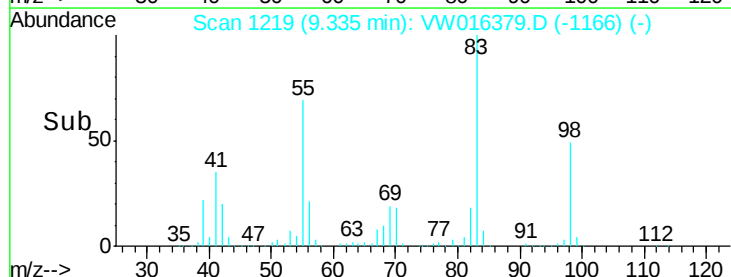
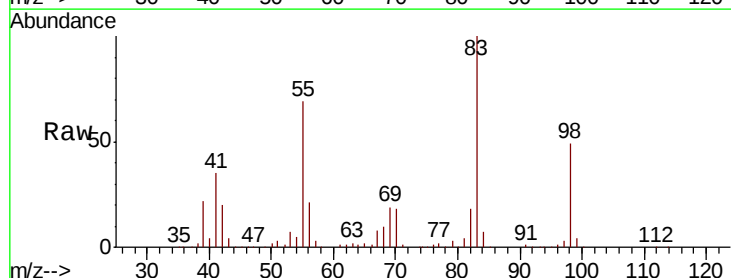
Tgt Ion: 83 Resp: 163152

Ion Ratio Lower Upper

83 100

55 69.2 55.6 83.4

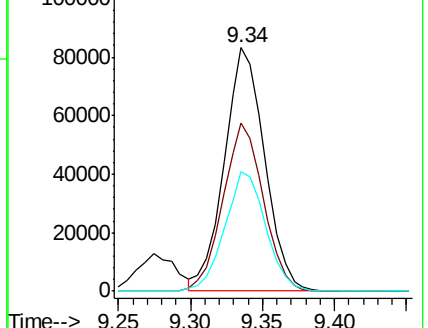
98 49.5 40.6 61.0

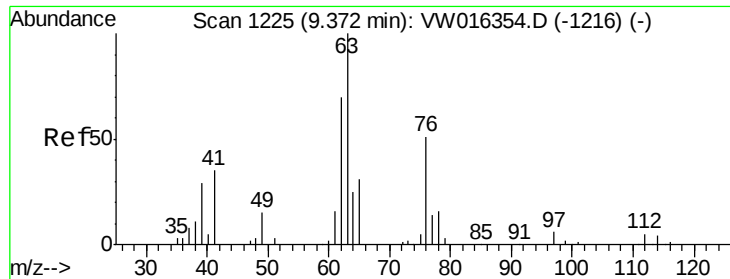


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

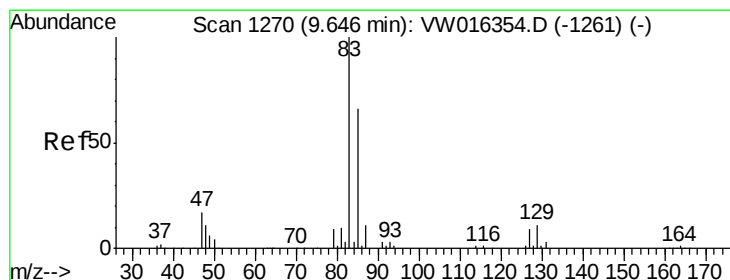
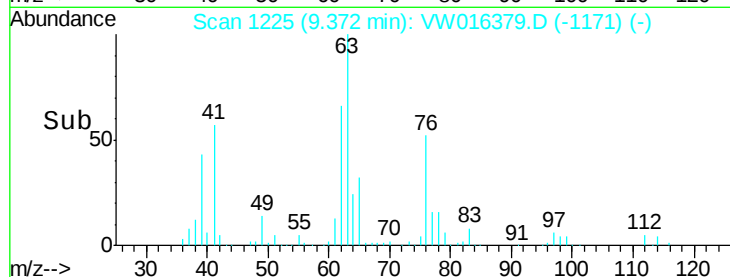
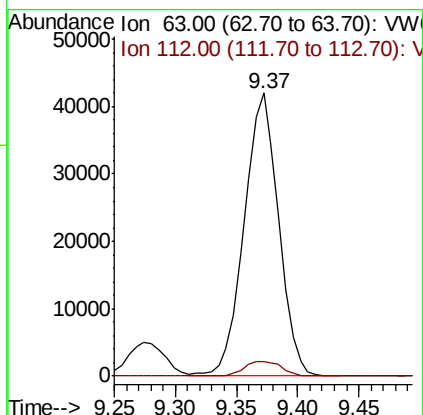
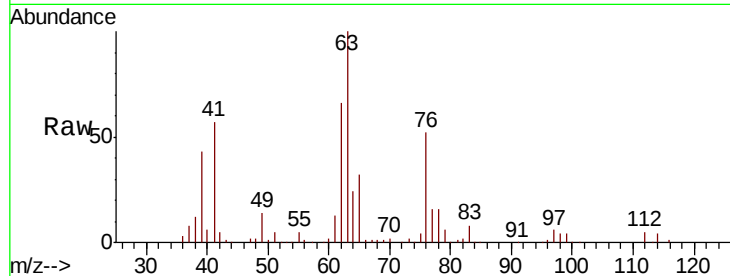




#40
1,2-Dichloropropane
Concen: 24.295 ug/L
RT: 9.37 min Scan# 1225
Delta R.T. -0.00 min
Lab File: VW016379.D
Acq: 27 Aug 2020 09:13

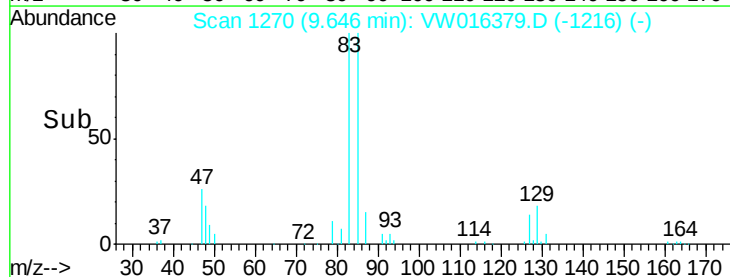
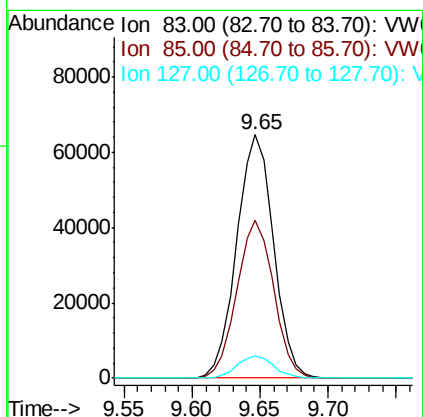
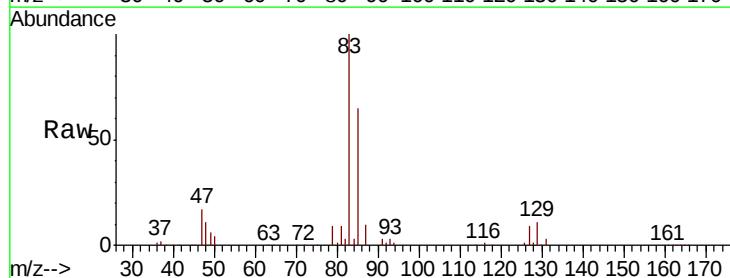
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

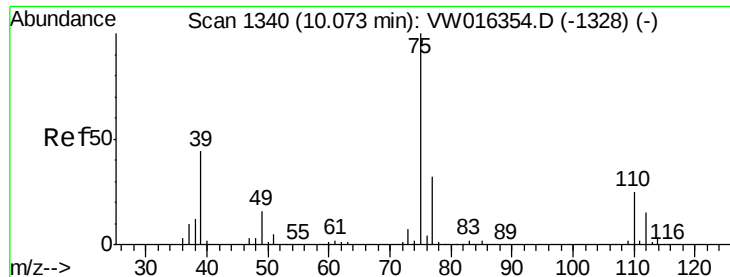
Tot Ion: 63 Resp: 82420
Ion Ratio Lower Upper
63 100
112 5.8 4.4 6.6



#41
Bromodichloromethane
Concen: 25.465 ug/L
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW016379.D
Acq: 27 Aug 2020 09:13

Tgt Ion: 83 Resp: 122374
Ion Ratio Lower Upper
83 100
85 64.9 44.7 83.1
127 9.2 7.0 10.4

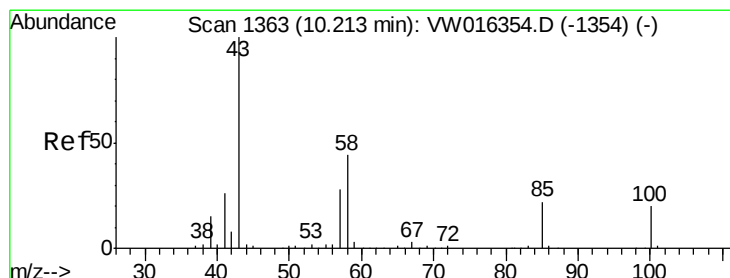
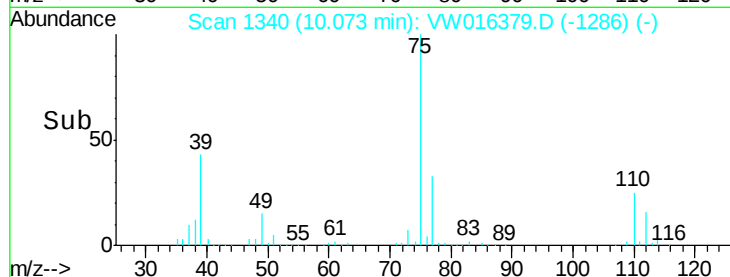
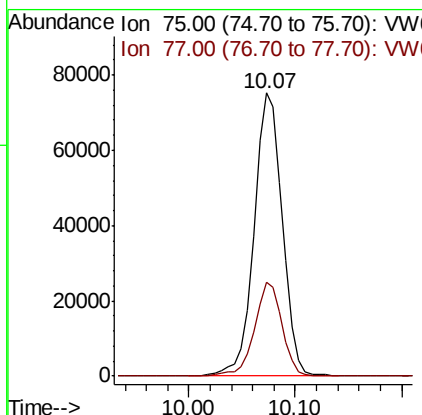
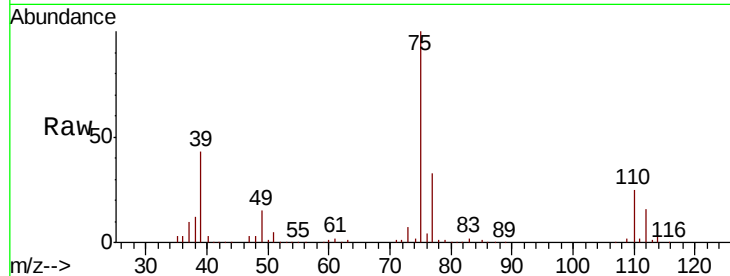




#42
 cis-1,3-Dichloropropene
 Concen: 25.160 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW016379.D
 Acq: 27 Aug 2020 09:13

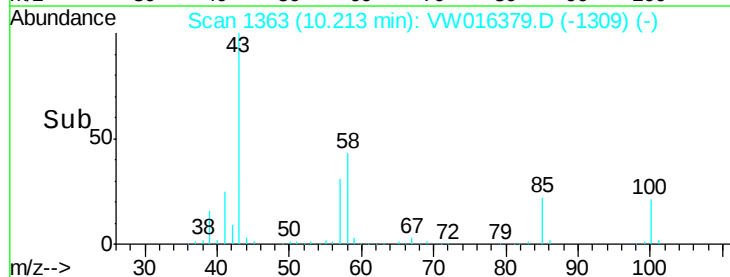
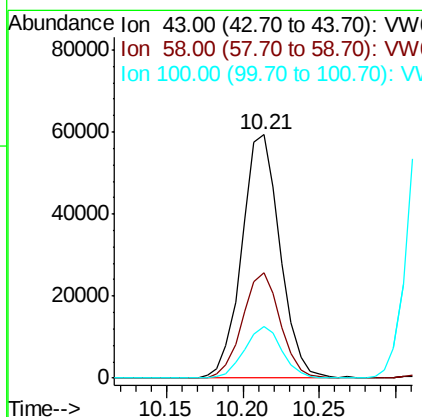
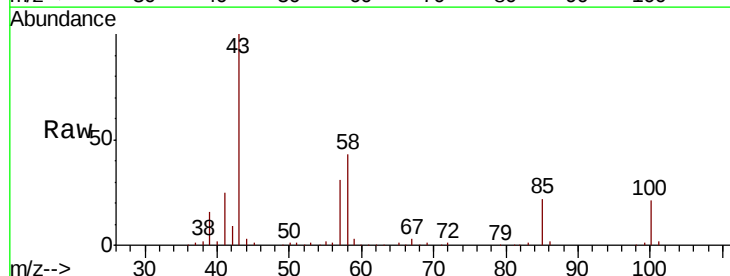
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

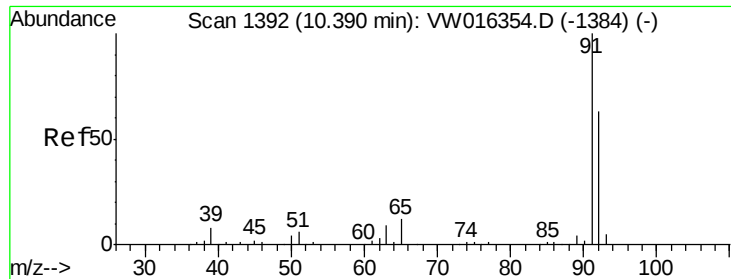
Tot Ion: 75 Resp: 139751
 Ion Ratio Lower Upper
 75 100
 77 33.0 22.0 40.8



#43
 4-Methyl-2-pentanone
 Concen: 50.886 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW016379.D
 Acq: 27 Aug 2020 09:13

Tgt Ion: 43 Resp: 103214
 Ion Ratio Lower Upper
 43 100
 58 43.0 34.9 52.3
 100 20.7 15.9 23.9





#44

Toluene

Concen: 25.255 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016379.D

Acq: 27 Aug 2020 09:13

Instrument :

MSVOA_W

ClientSampleId :

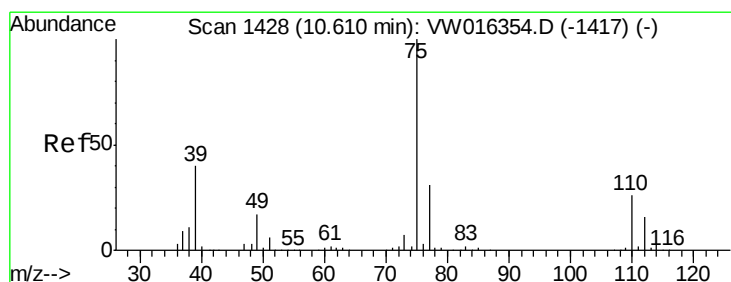
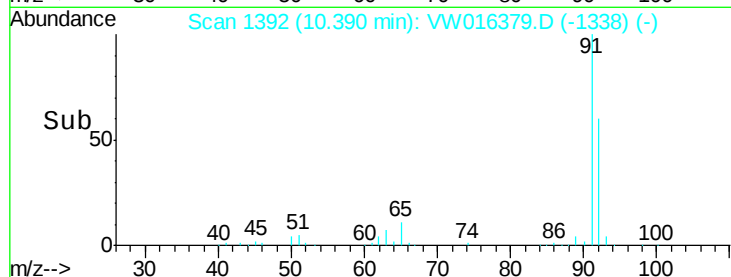
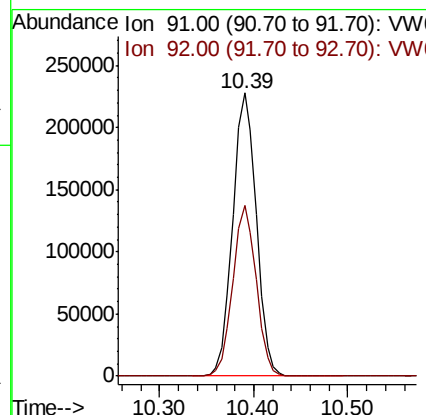
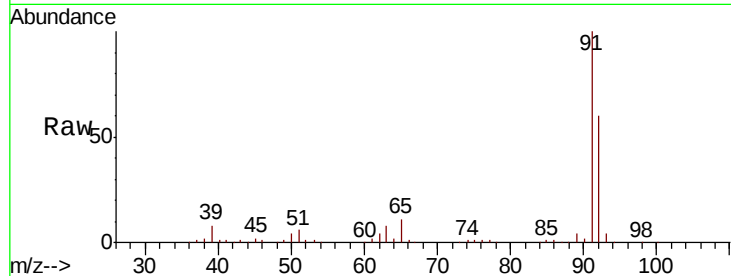
VSTD02529

Tot Ion: 91 Resp: 396733

Ion Ratio Lower Upper

91 100

92 60.2 41.5 77.1



#45

trans-1,3-Dichloropropene

Concen: 26.248 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016379.D

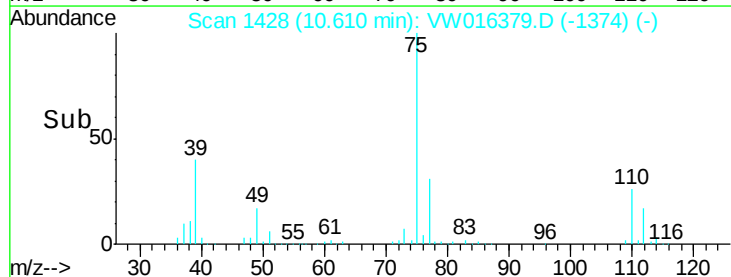
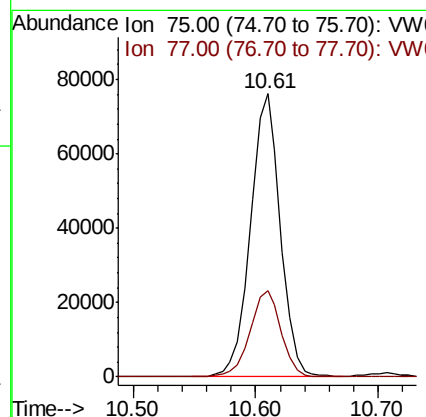
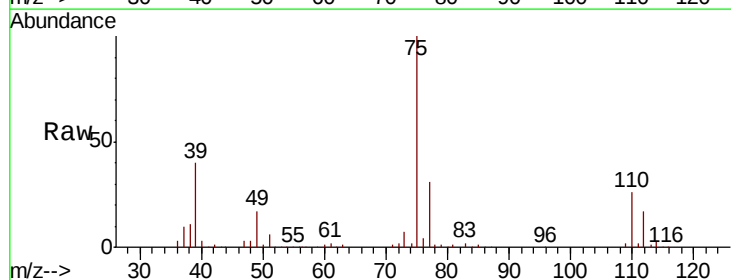
Acq: 27 Aug 2020 09:13

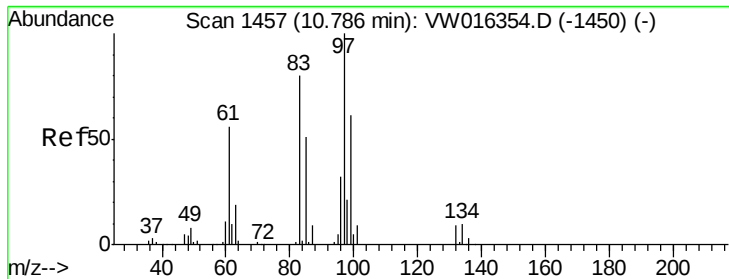
Tgt Ion: 75 Resp: 128906

Ion Ratio Lower Upper

75 100

77 30.6 21.3 39.5

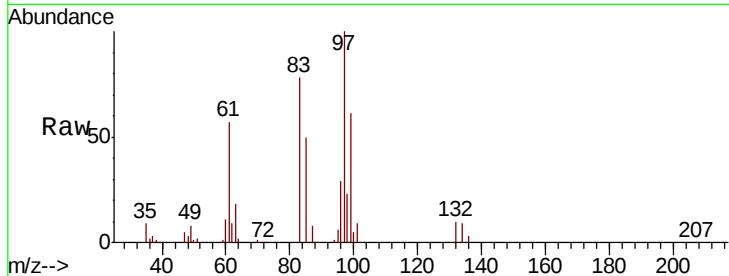




#46
 1,1,2-Trichloroethane
 Concen: 26.215 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW016379.D
 Acq: 27 Aug 2020 09:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

Tot Ion:	97	Resp:	73403
Ion	Ratio	Lower	Upper
97	100		
83	77.9	57.9	107.5
85	50.1	38.8	72.0
99	61.2	46.4	86.2



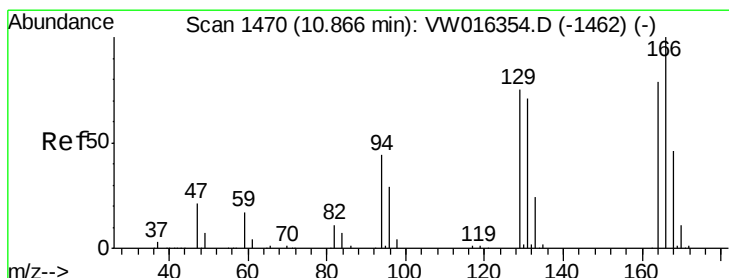
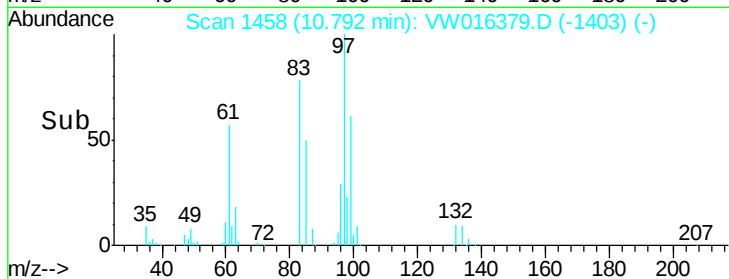
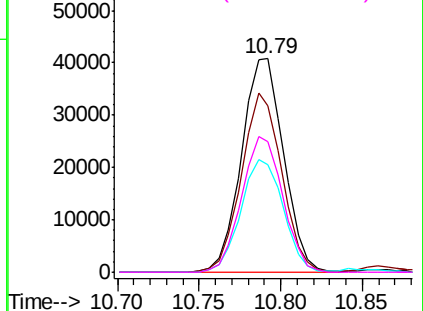
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

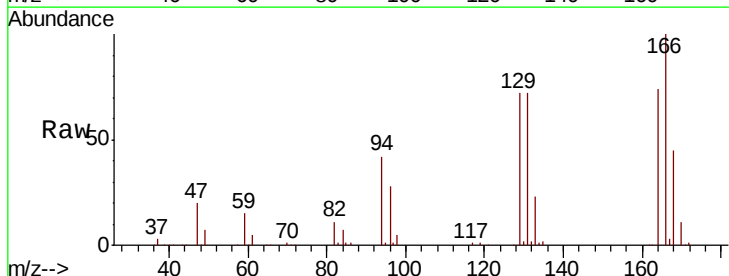
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
 Tetrachloroethene
 Concen: 24.886 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW016379.D
 Acq: 27 Aug 2020 09:13

Tgt Ion:	164	Resp:	80151
Ion	Ratio	Lower	Upper
164	100		
129	96.9	71.5	132.7
131	97.6	67.4	125.2
166	134.7	92.5	171.9



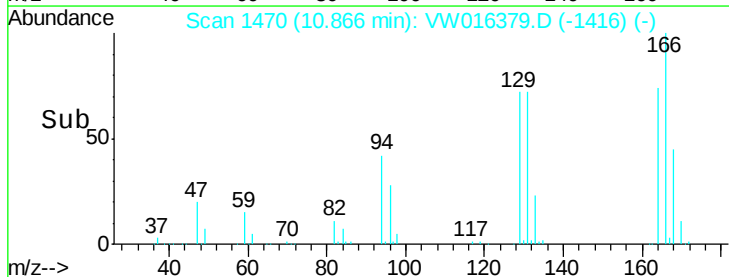
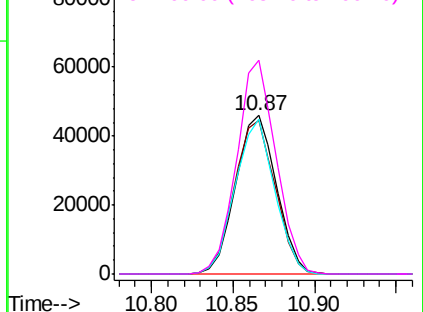
Abundance

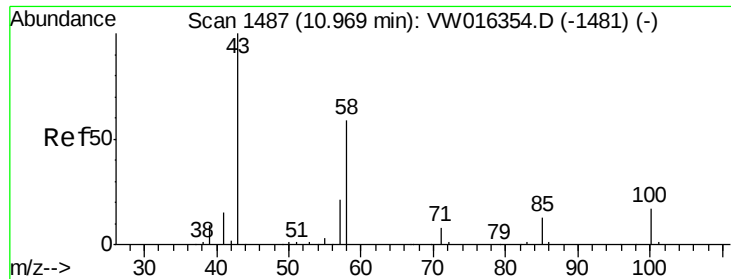
Ion 164.00 (163.70 to 164.70): V

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

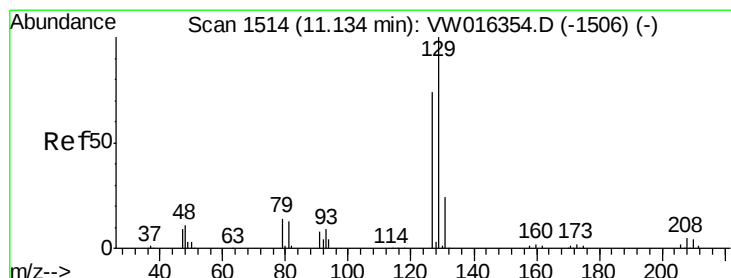
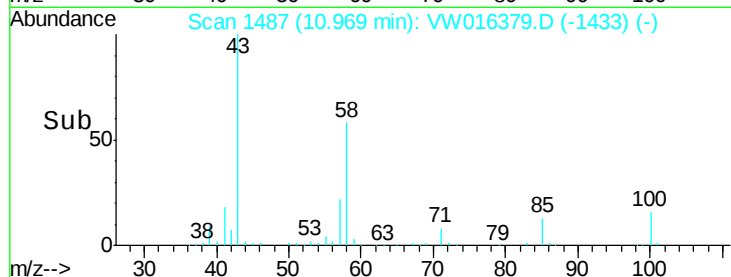
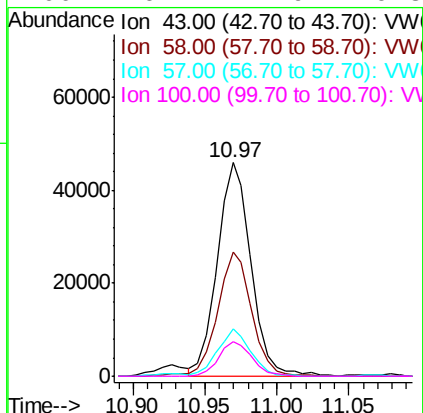
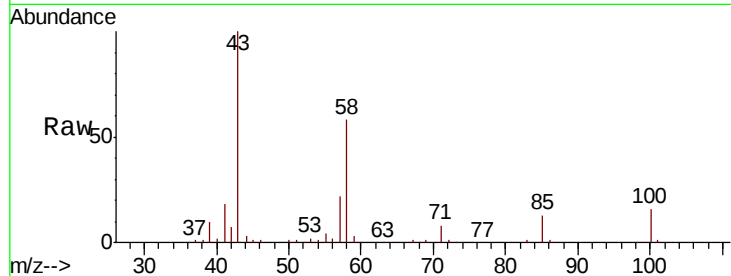




#49
2-Hexanone
Concen: 57.415 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW016379.D
Acq: 27 Aug 2020 09:13

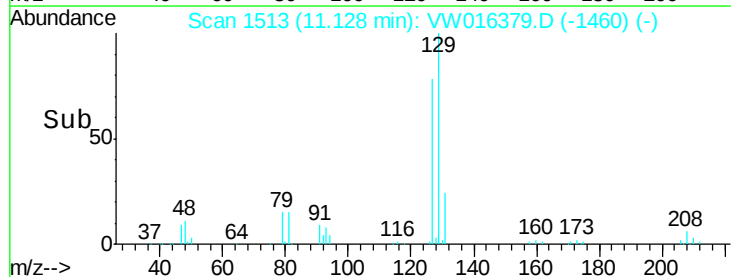
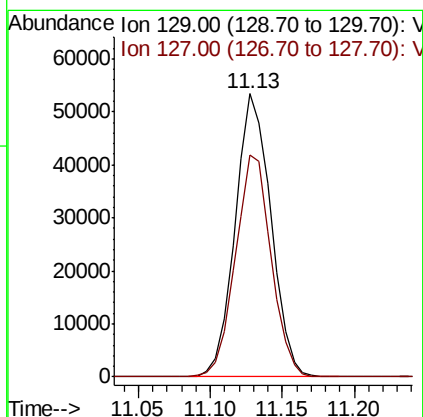
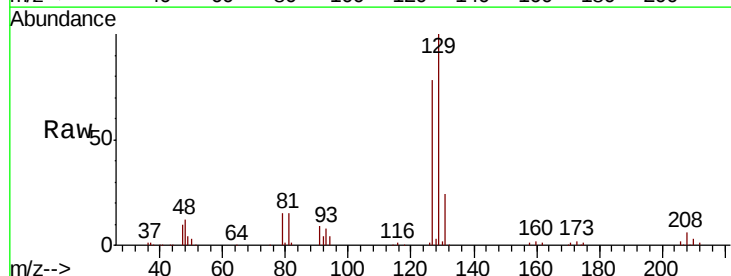
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

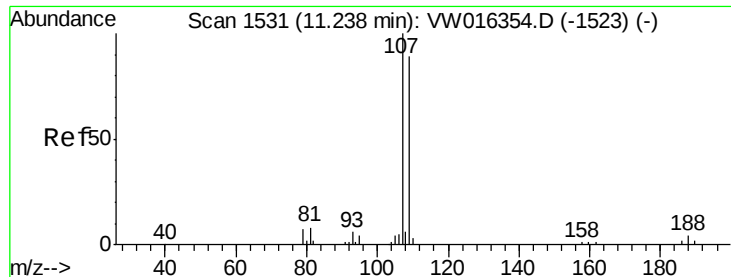
Tot Ion: 43 Resp: 75444
Ion Ratio Lower Upper
43 100
58 58.2 49.5 74.3
57 21.1 17.7 26.5
100 16.1 12.9 19.3



#50
Dibromochloromethane
Concen: 26.381 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW016379.D
Acq: 27 Aug 2020 09:13

Tgt Ion: 129 Resp: 91999
Ion Ratio Lower Upper
129 100
127 78.2 53.8 99.8





#51

1,2-Dibromoethane

Concen: 26.146 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW016379.D

Acq: 27 Aug 2020 09:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

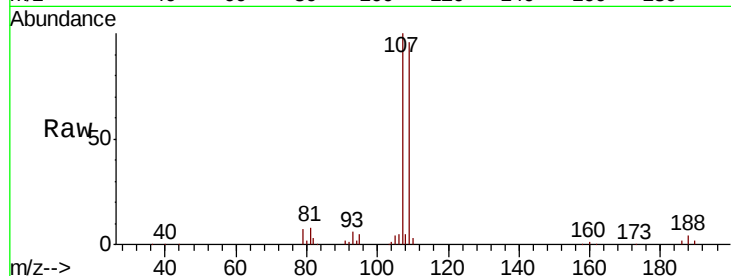
Tot Ion:107 Resp: 71658

Ion Ratio Lower Upper

107 100

109 96.2 65.7 121.9

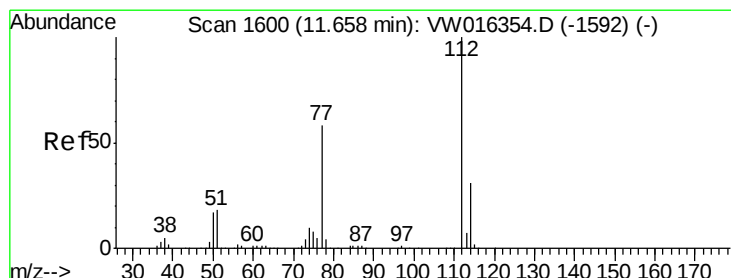
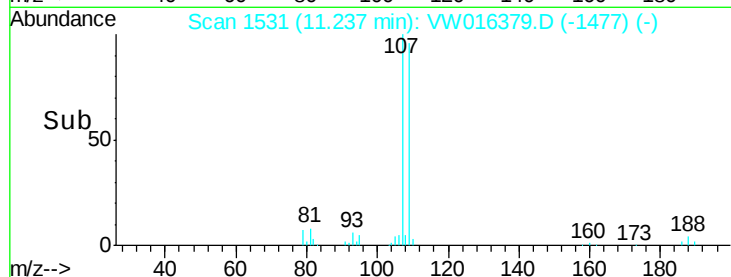
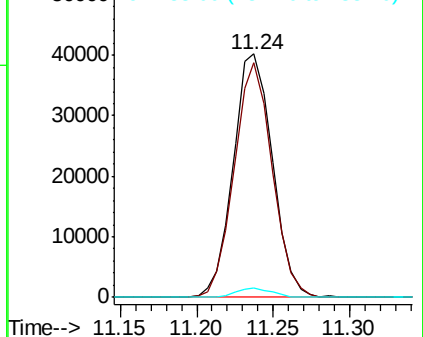
188 3.9 3.3 4.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 25.230 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW016379.D

Acq: 27 Aug 2020 09:13

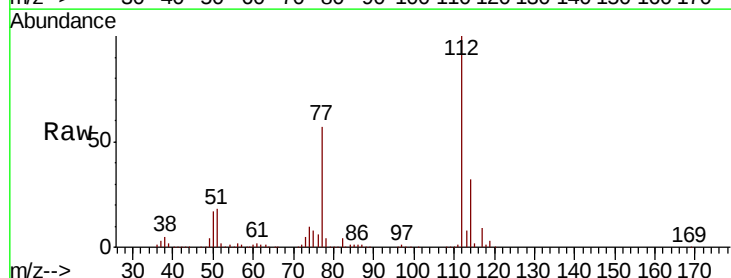
Tgt Ion:112 Resp: 264715

Ion Ratio Lower Upper

112 100

77 57.4 46.9 70.3

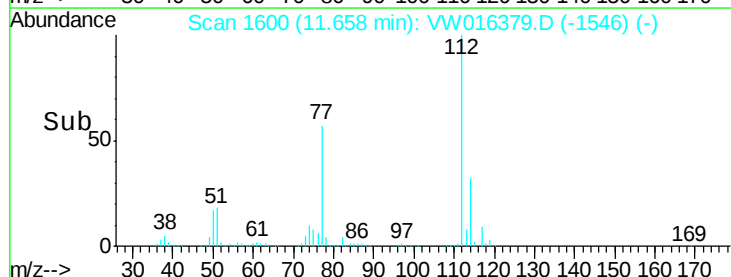
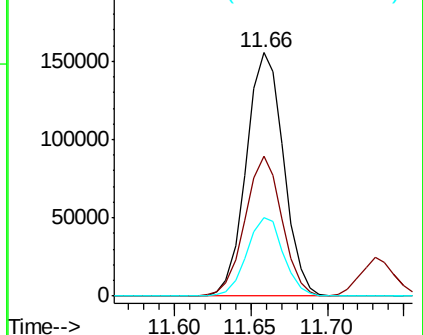
114 32.2 23.3 43.3

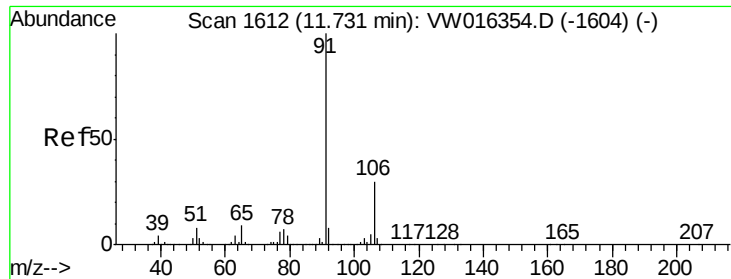


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 25.154 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW016379.D

Acq: 27 Aug 2020 09:13

Instrument :

MSVOA_W

ClientSampleId :

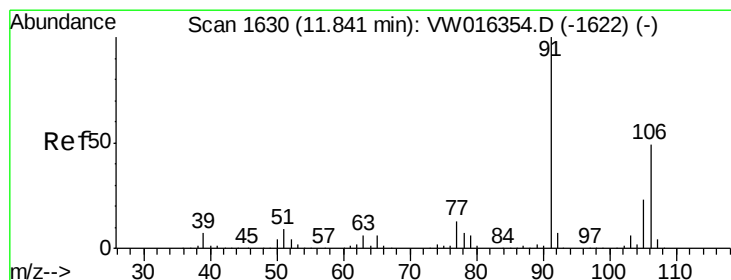
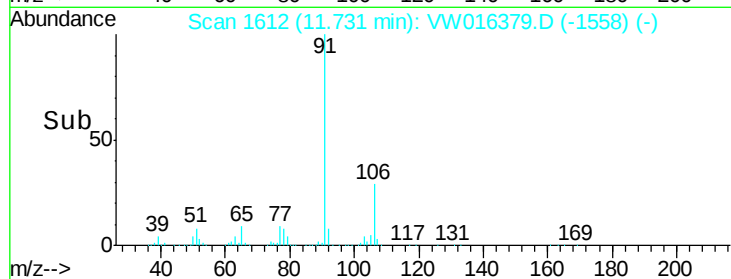
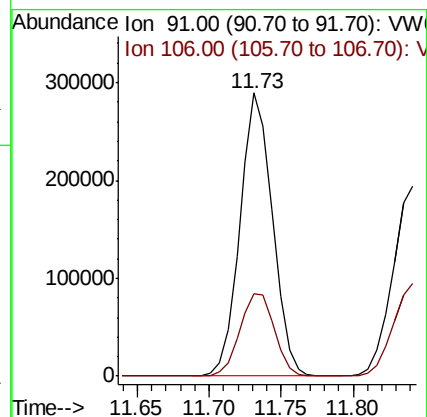
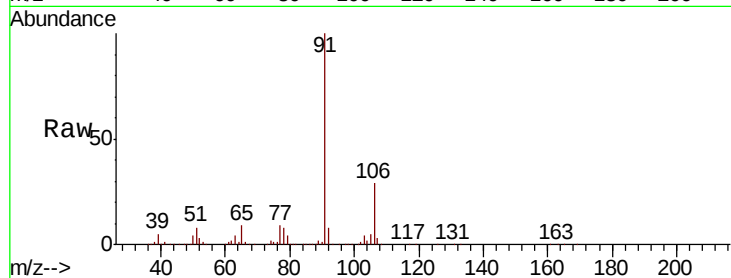
VSTD02529

Tot Ion: 91 Resp: 454267

Ion Ratio Lower Upper

91 100

106 29.0 22.0 41.0



#54

m,p-Xylene

Concen: 24.989 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW016379.D

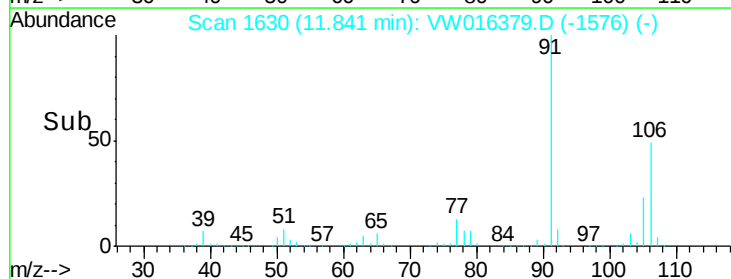
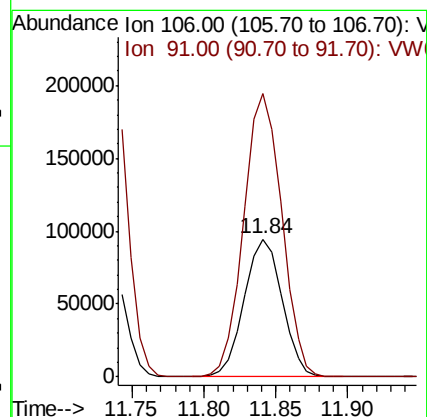
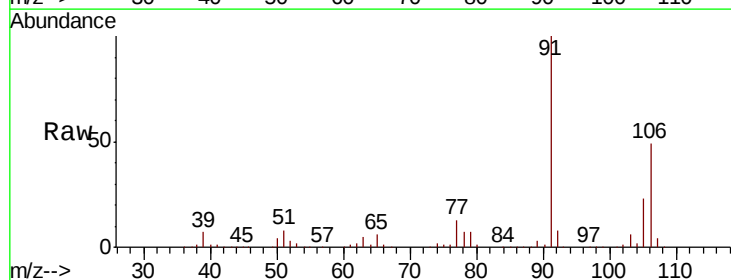
Acq: 27 Aug 2020 09:13

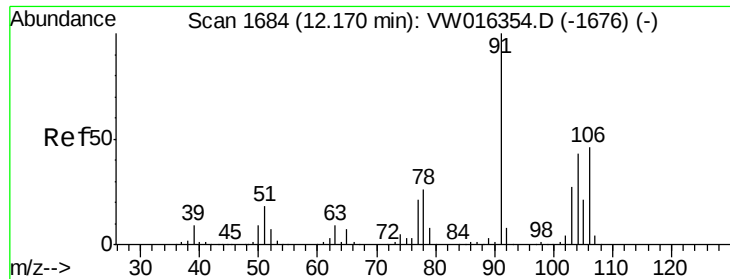
Tgt Ion:106 Resp: 173437

Ion Ratio Lower Upper

106 100

91 205.1 138.8 257.8





#55

o-xylene

Concen: 25.092 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW016379.D

Acq: 27 Aug 2020 09:13

Instrument :

MSVOA_W

ClientSampleId :

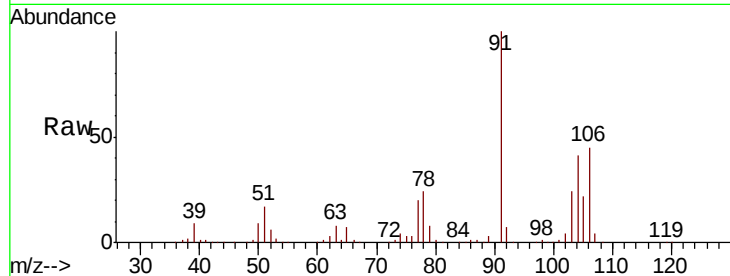
VSTD02529

Tot Ion:106 Resp: 163607

Ion Ratio Lower Upper

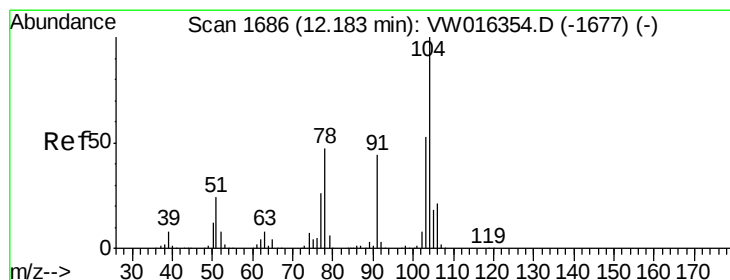
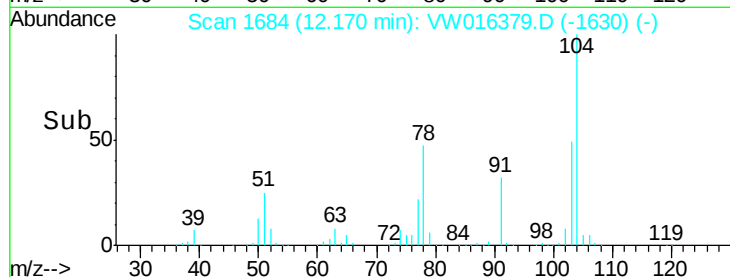
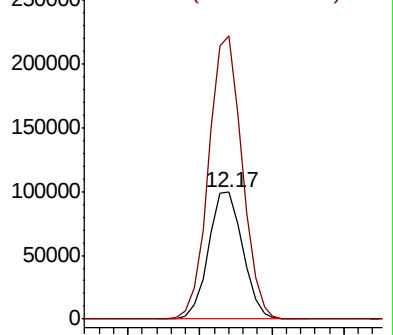
106 100

91 223.4 151.3 281.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 26.122 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW016379.D

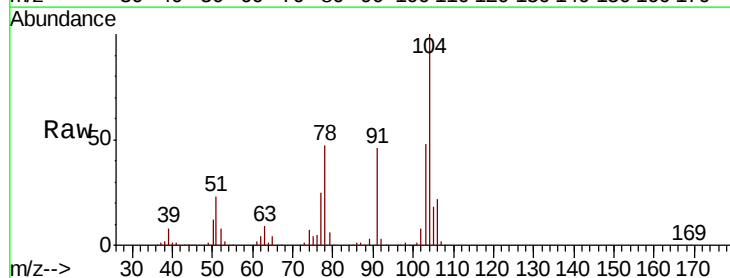
Acq: 27 Aug 2020 09:13

Tgt Ion:104 Resp: 286604

Ion Ratio Lower Upper

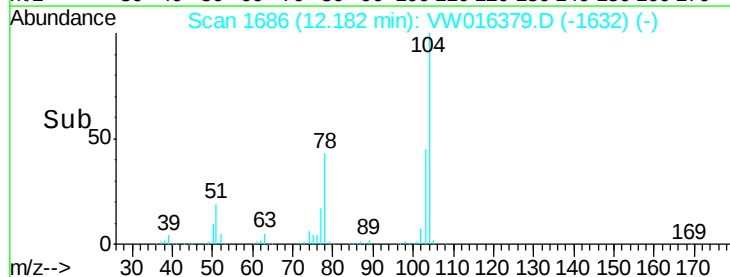
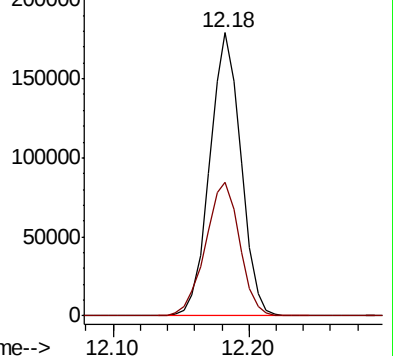
104 100

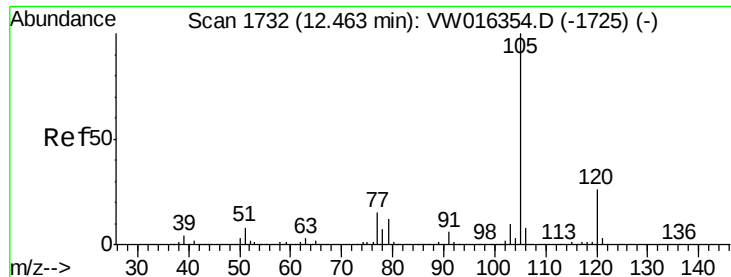
78 47.1 30.9 57.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 24.882 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW016379.D

Acq: 27 Aug 2020 09:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

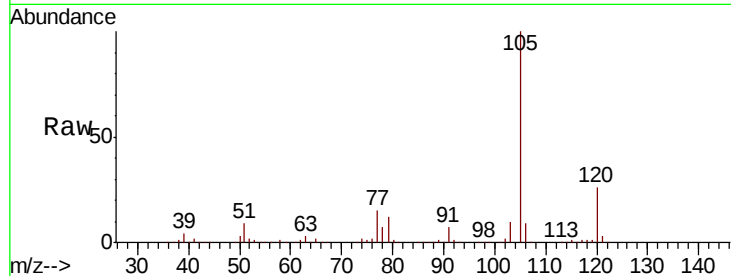
Tot Ion:105 Resp: 451637

Ion Ratio Lower Upper

105 100

120 26.2 21.2 31.8

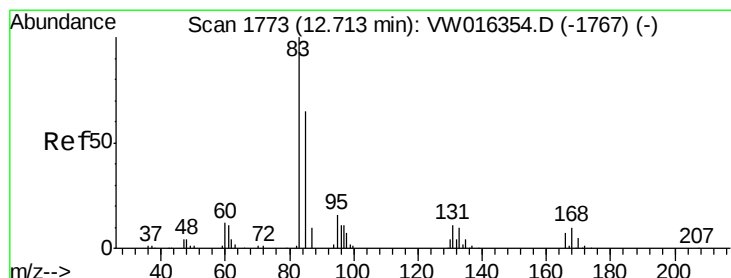
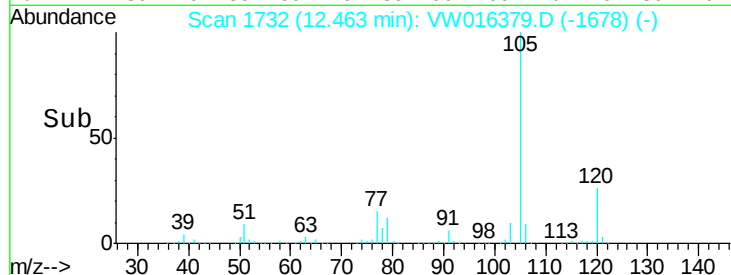
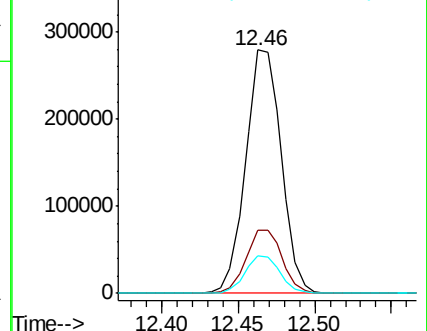
77 15.2 12.2 18.4



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: 26.584 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW016379.D

Acq: 27 Aug 2020 09:13

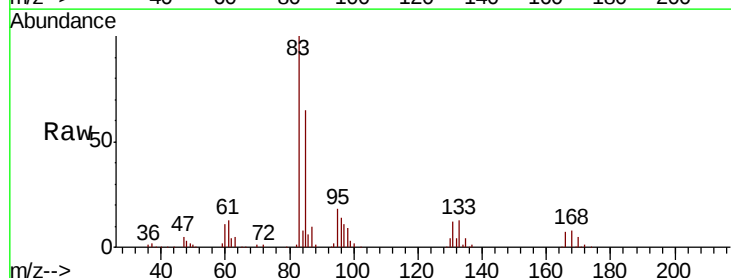
Tgt Ion: 83 Resp: 86857

Ion Ratio Lower Upper

83 100

85 65.3 46.0 85.4

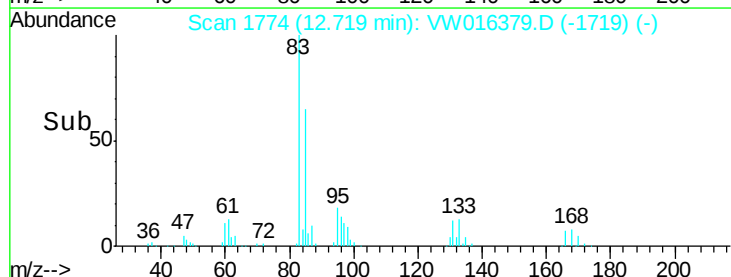
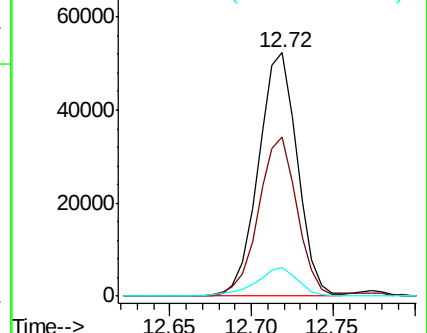
131 11.6 8.8 13.2

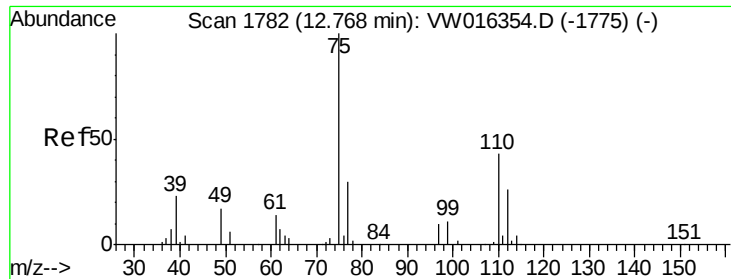


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.801 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW016379.D

Acq: 27 Aug 2020 09:13

Instrument :

MSVOA_W

ClientSampleId :

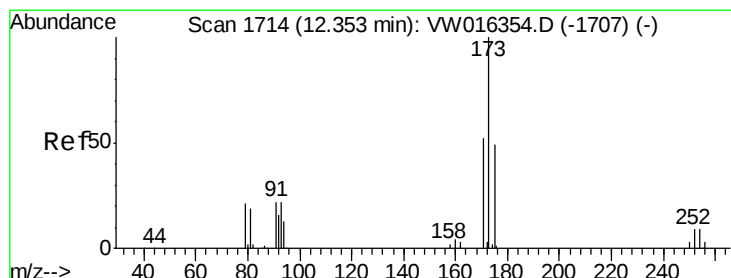
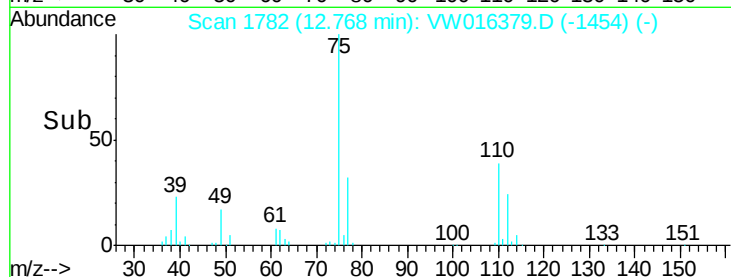
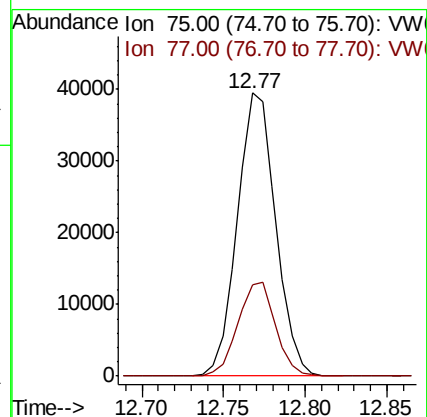
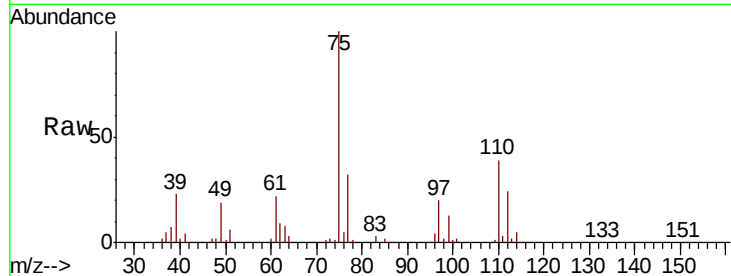
VSTD02529

Tot Ion: 75 Resp: 64854

Ion Ratio Lower Upper

75 100

77 32.5 27.1 40.7



#62

Bromoform

Concen: 25.640 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW016379.D

Acq: 27 Aug 2020 09:13

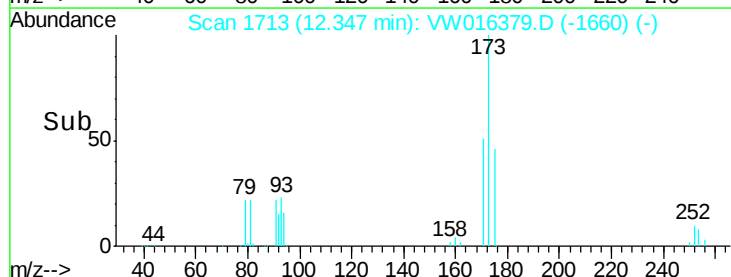
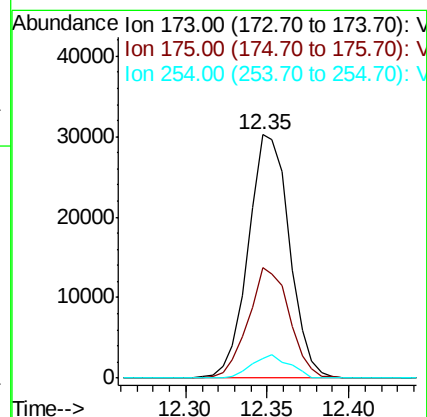
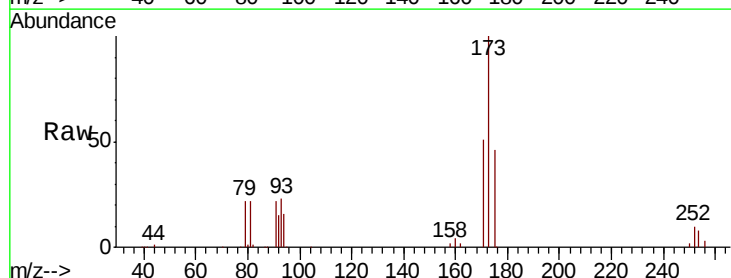
Tgt Ion: 173 Resp: 53188

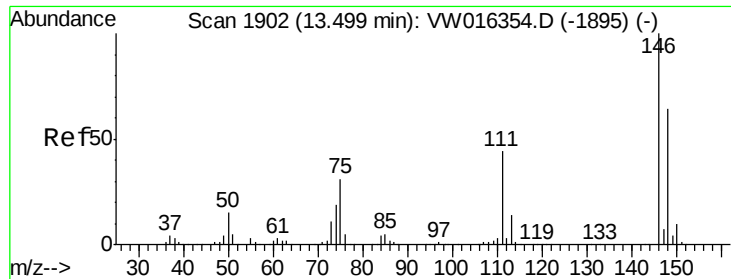
Ion Ratio Lower Upper

173 100

175 45.4 39.0 58.4

254 8.7 6.9 10.3

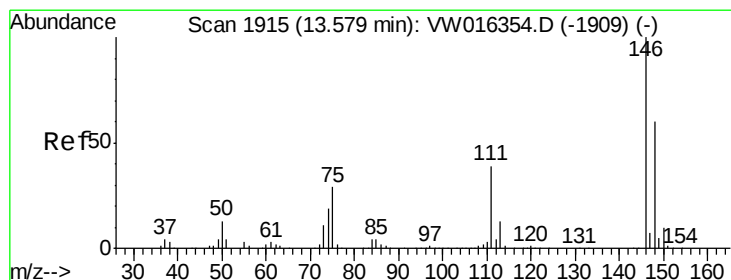
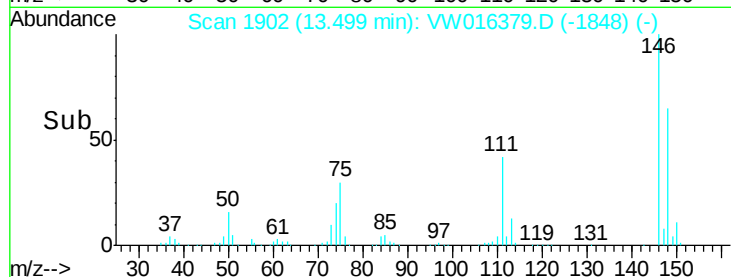
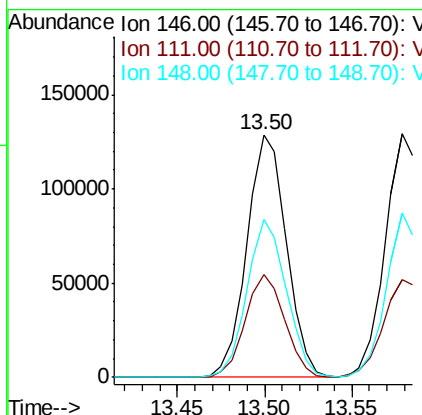
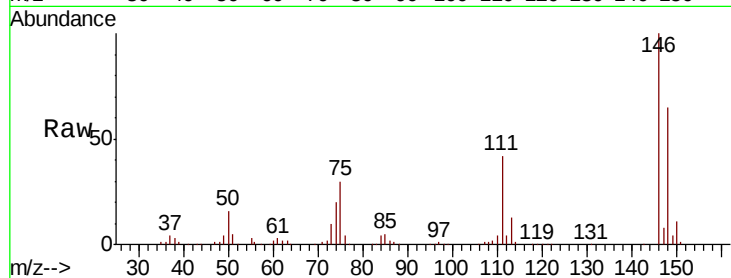




#63
 1,3-Dichlorobenzene
 Concen: 23.575 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016379.D
 Acq: 27 Aug 2020 09:13

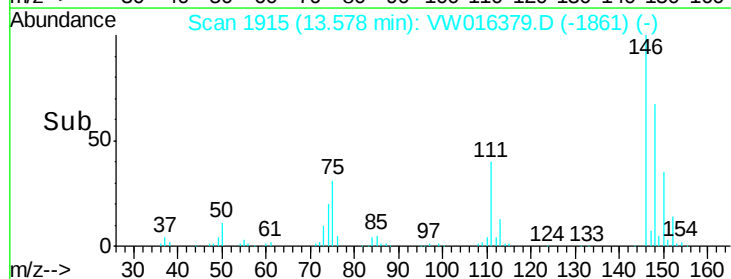
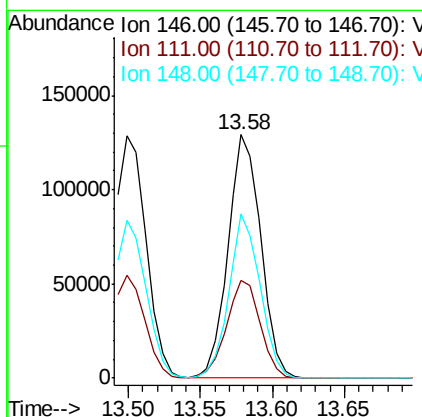
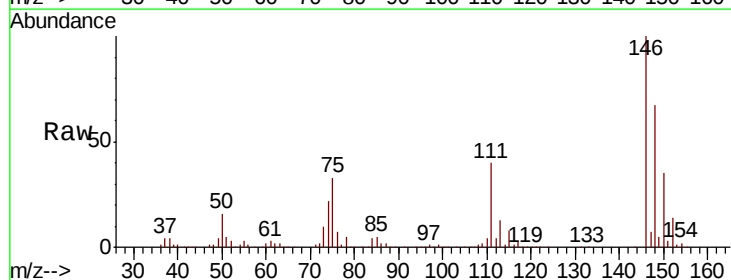
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

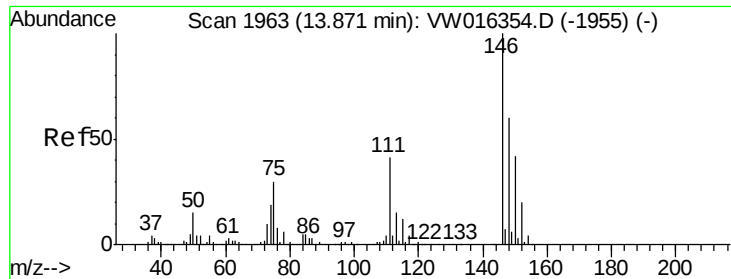
Tot Ion:146 Resp: 202790
 Ion Ratio Lower Upper
 146 100
 111 42.5 30.2 56.2
 148 65.1 45.1 83.7



#64
 1,4-Dichlorobenzene
 Concen: 23.602 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016379.D
 Acq: 27 Aug 2020 09:13

Tgt Ion:146 Resp: 205674
 Ion Ratio Lower Upper
 146 100
 111 40.2 28.0 52.0
 148 67.2 41.4 76.8

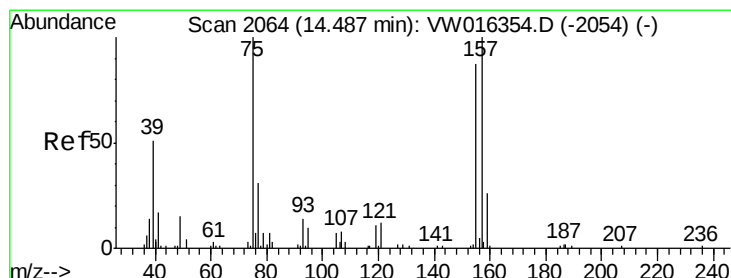
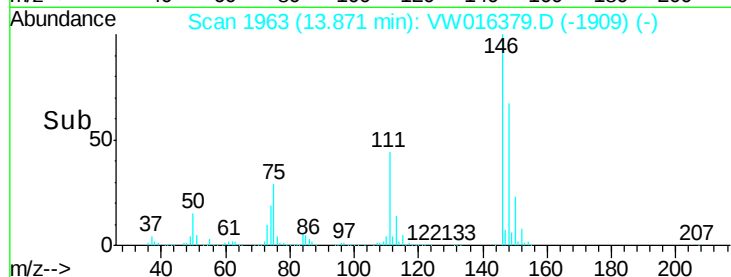
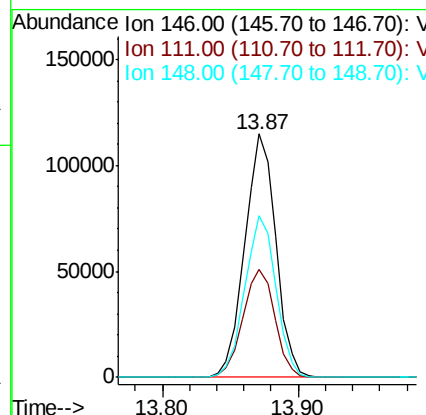
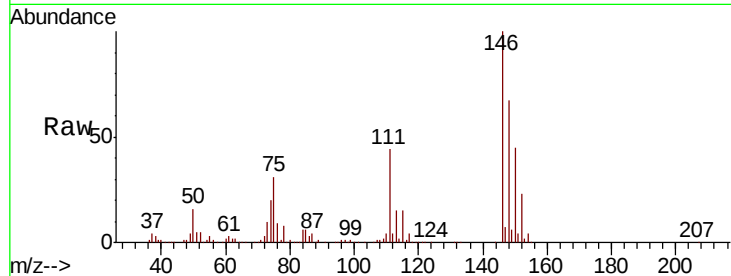




#65
 1,2-Dichlorobenzene
 Concen: 23.895 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW016379.D
 Acq: 27 Aug 2020 09:13

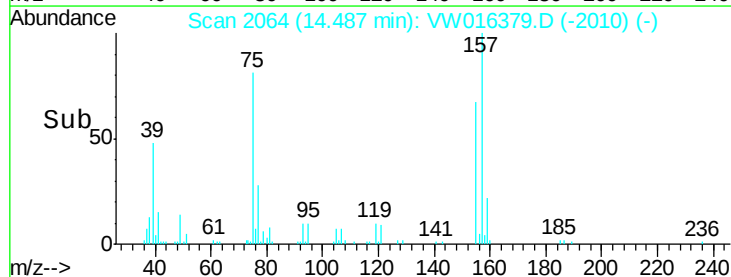
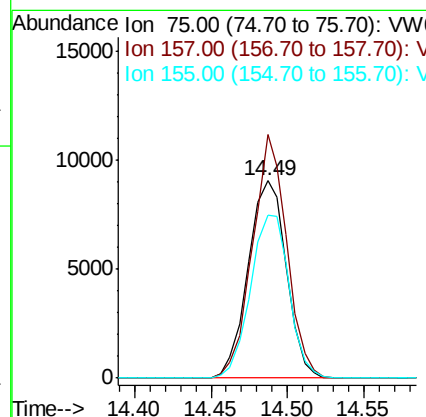
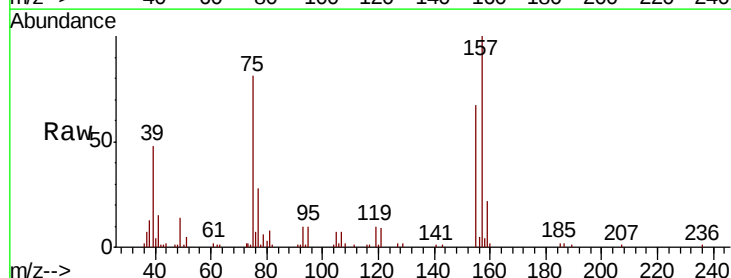
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

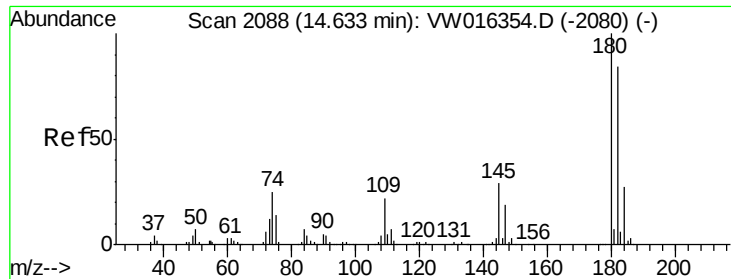
Tot Ion:146 Resp: 183536
 Ion Ratio Lower Upper
 146 100
 111 44.2 36.9 55.3
 148 66.6 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.985 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW016379.D
 Acq: 27 Aug 2020 09:13

Tgt Ion: 75 Resp: 15690
 Ion Ratio Lower Upper
 75 100
 157 123.4 82.2 123.4#
 155 82.8 66.8 100.2

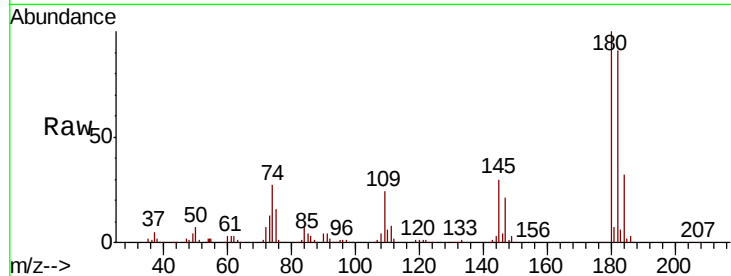




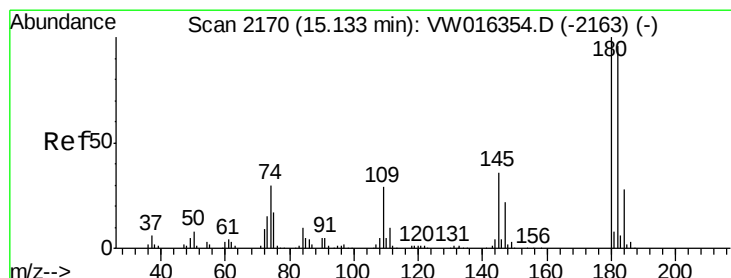
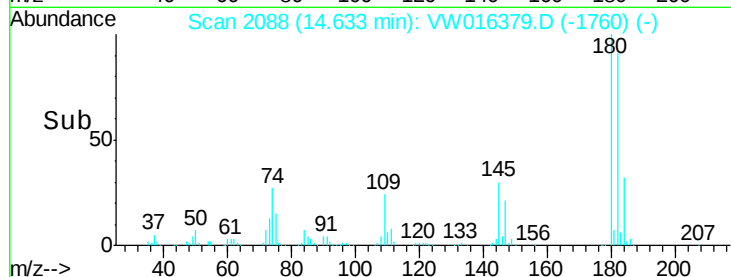
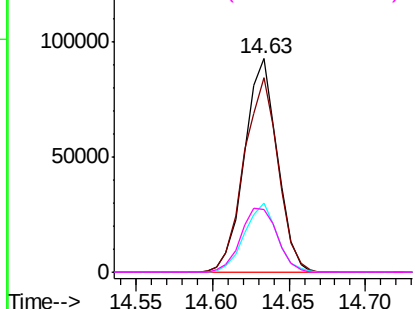
#67
 1,3,5-Trichlorobenzene
 Concen: 23.299 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW016379.D
 Acq: 27 Aug 2020 09:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

Tot Ion:180	Resp:	138308
Ion Ratio	Lower	Upper
180	100	
182	94.7	77.4 116.2
184	32.1	24.4 36.6
145	33.3	25.6 38.4

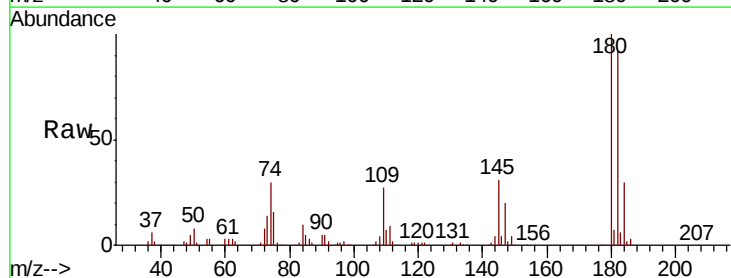


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

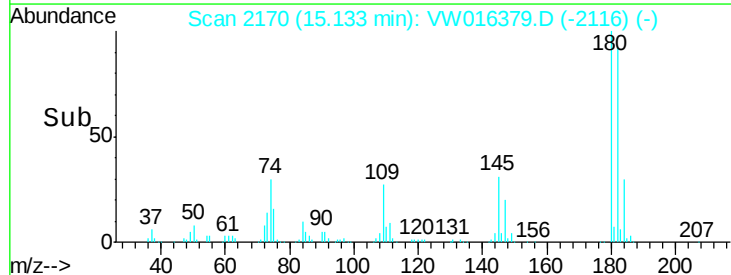
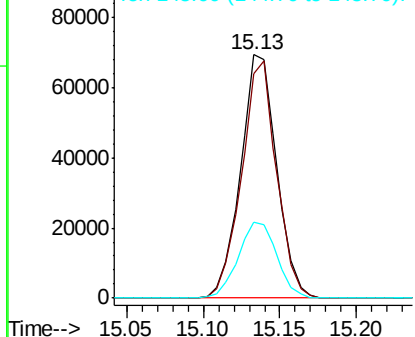


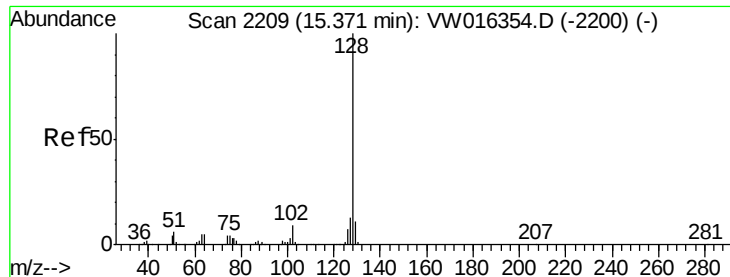
#68
 1,2,4-trichlorobenzene
 Concen: 24.091 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016379.D
 Acq: 27 Aug 2020 09:13

Tgt Ion:180	Resp:	113512
Ion Ratio	Lower	Upper
180	100	
182	94.3	76.5 114.7
145	33.4	26.0 39.0



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





#69

Naphthalene

Concen: 25.921 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW016379.D

Acq: 27 Aug 2020 09:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

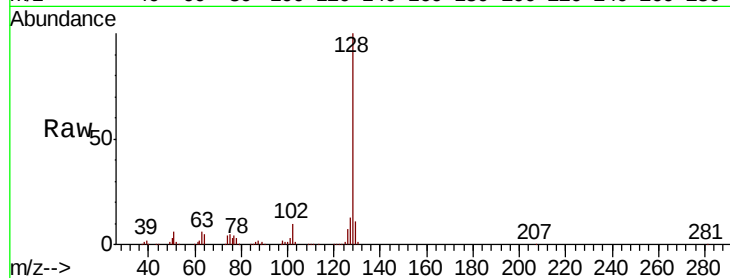
Tot Ion:128 Resp: 239922

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

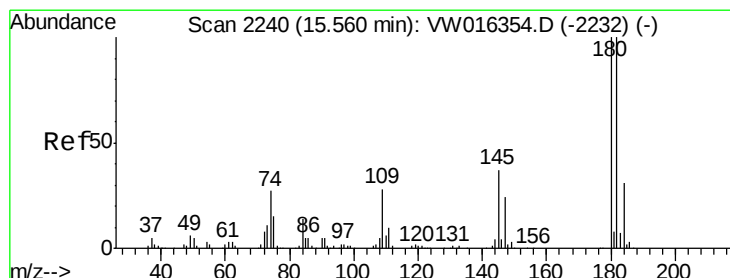
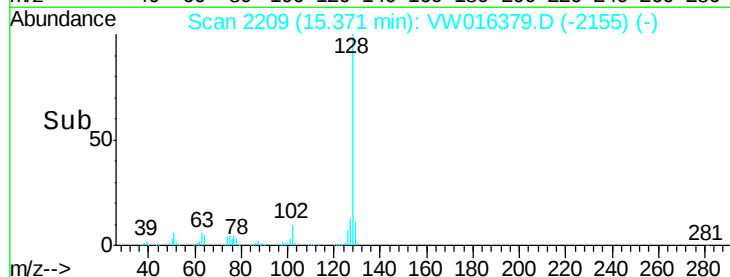
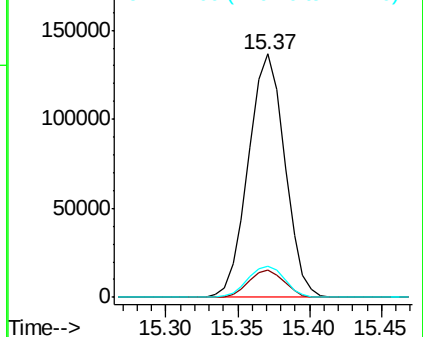
127 13.3 10.3 15.5



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: 24.504 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW016379.D

Acq: 27 Aug 2020 09:13

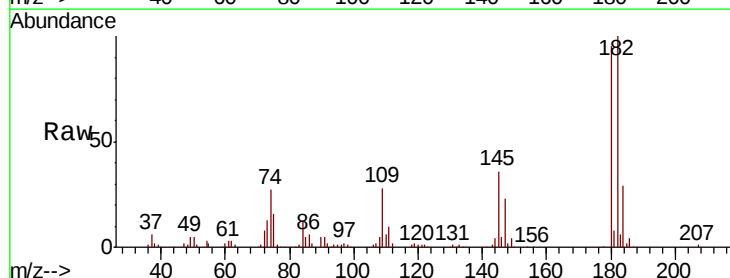
Tgt Ion:180 Resp: 101544

Ion Ratio Lower Upper

180 100

182 98.7 77.0 115.4

145 36.9 28.6 42.8



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

