

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082620\
 Data File : VW016354.D
 Acq On : 26 Aug 2020 09:03
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

Quant Time: Aug 27 02:38:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 26 12:26:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	300361	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	282413	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	137044	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	68210	21.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.08%
7) Chloroethane-d5	2.89	69	56836	23.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.40%
10) 1,1-Dichloroethene-d2	4.02	63	177398	23.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.16%
20) 2-Butanone-d5	7.08	46	40757	44.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.38%
24) Chloroform-d	7.65	84	192369	24.57	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.28%
26) 1,2-Dichloroethane-d4	8.31	65	99466	24.65	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.60%
29) Benzene-d6	8.27	84	363084	23.03	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.12%
33) 1,2-Dichloropropane-d6	9.27	67	98905	22.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.68%
37) Toluene-d8	10.32	98	344537	23.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.64%
38) trans-1,3-Dichloropropene-	10.58	79	49171	23.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.40%
39) 2-Hexanone-d5	10.93	63	31252	44.71	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.42%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	88343	24.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.32%
61) 1,2-Dichlorobenzene-d4	13.85	152	119689	22.78	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.12%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	80083	24.265	ug/L 96
3) Chloromethane	2.22	50	62607	24.296	ug/L 97
5) Vinyl chloride	2.37	62	89203	25.417	ug/L 96
6) Bromomethane	2.79	94	57698	25.147	ug/L 97
8) Chloroethane	2.93	64	51333	26.231	ug/L 91
9) Trichlorofluoromethane	3.26	101	101896	26.829	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	107640	25.964	ug/L 97
12) 1,1-Dichloroethene	4.04	96	103183	25.877	ug/L 91
13) Acetone	4.13	43	41287	54.547	ug/L 98
14) Carbon disulfide	4.39	76	295447	24.990	ug/L 99
15) Methyl Acetate	4.67	43	38328	25.168	ug/L 96
16) Methylene chloride	4.92	84	106871	19.247	ug/L 96
17) Methyl tert-butyl Ether	5.43	73	150480	25.810	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	104795	25.019	ug/L 96
19) 1,1-Dichloroethane	6.22	63	175337	25.406	ug/L 98
21) 2-Butanone	7.17	43	53363	49.484	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	111131	25.227	ug/L 93

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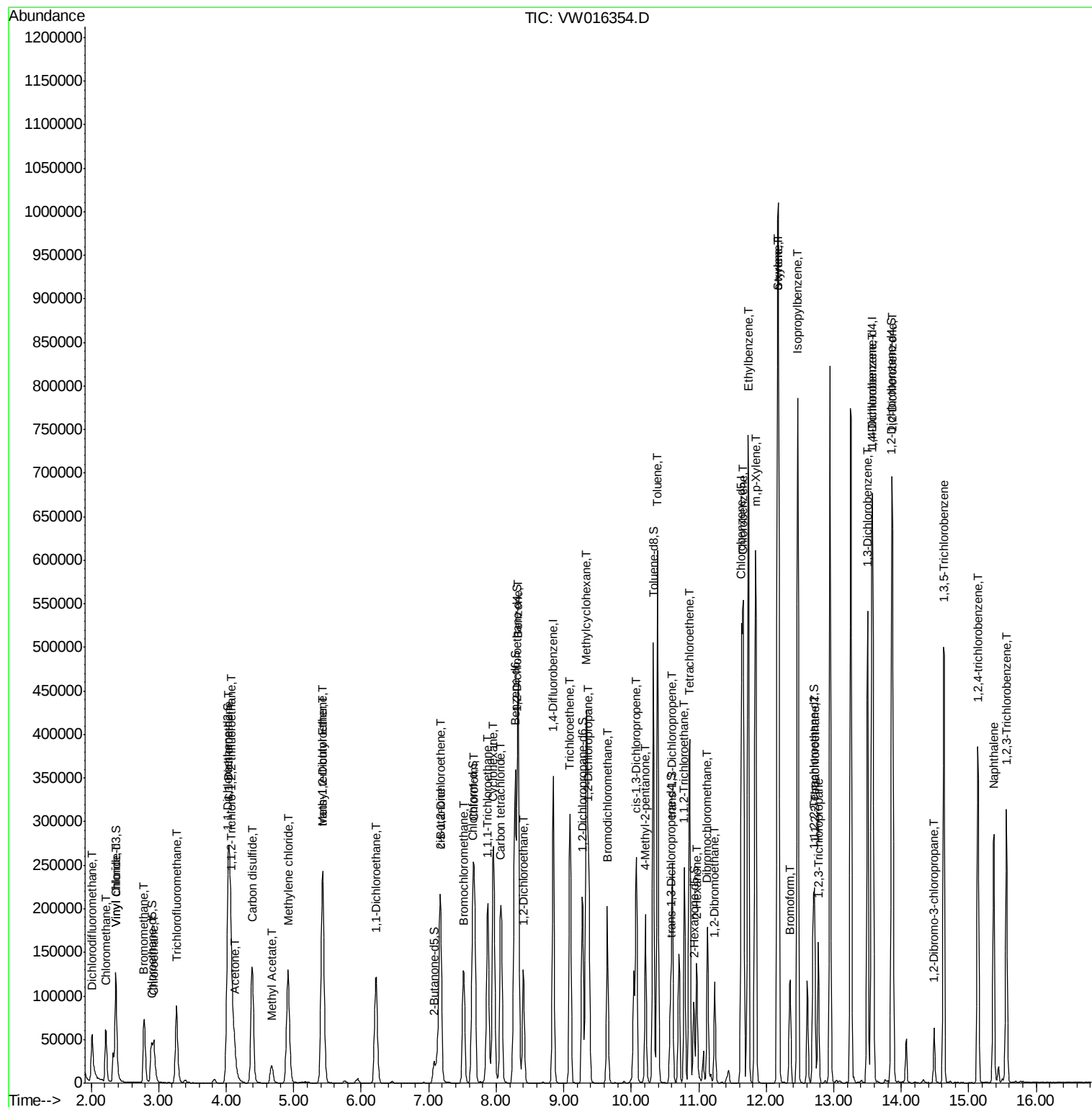
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	51991	25.731	ug/L	95
25) Chloroform	7.68	83	193716	26.064	ug/L	99
27) 1,2-Dichloroethane	8.40	62	120524	25.891	ug/L	98
30) Cyclohexane	7.96	56	153065	25.076	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	176622	26.003	ug/L	99
32) Carbon tetrachloride	8.07	117	167359	25.949	ug/L	100
34) Benzene	8.32	78	409712	25.292	ug/L	100
35) Trichloroethene	9.10	95	113358	24.715	ug/L	99
36) Methylcyclohexane	9.34	83	186731	24.939	ug/L	99
40) 1,2-Dichloropropane	9.37	63	93954	24.663	ug/L	100
41) Bromodichloromethane	9.65	83	137698	25.516	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	157796	25.298	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	111631	49.009	ug/L	99
44) Toluene	10.39	91	447984	25.394	ug/L	95
45) trans-1,3-Dichloropropene	10.61	75	141934	25.736	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	80964	25.749	ug/L	95
47) Tetrachloroethene	10.87	164	89804	24.830	ug/L	94
49) 2-Hexanone	10.97	43	80650	54.656	ug/L	96
50) Dibromochloromethane	11.13	129	102563	26.190	ug/L	97
51) 1,2-Dibromoethane	11.24	107	78174	25.400	ug/L	95
52) Chlorobenzene	11.66	112	296253	25.144	ug/L	98
53) Ethylbenzene	11.73	91	521107	25.695	ug/L	98
54) m,p-Xylene	11.84	106	199001	25.533	ug/L	96
55) o-xylene	12.17	106	184858	25.247	ug/L	100
56) Styrene	12.18	104	320894	26.045	ug/L	96
57) Isopropylbenzene	12.46	105	523087	25.663	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	91871	25.039	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	68674	25.272	ug/L	96
62) Bromoform	12.35	173	56370	25.309	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	224169	24.272	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	226901	24.251	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	209468	25.399	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.49	75	16135	24.888	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	157268	24.675	ug/L	96
68) 1,2,4-trichlorobenzene	15.13	180	122818	24.277	ug/L	99
69) Naphthalene	15.37	128	249437	25.100	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	109056	24.511	ug/L	99

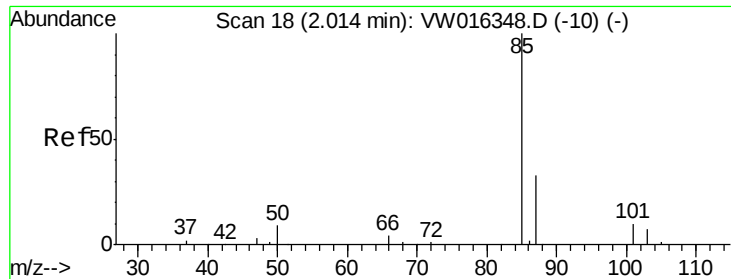
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.265 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW016354.D

Acq: 26 Aug 2020 09:03

Instrument :

MSVOA_W

ClientSampleId :

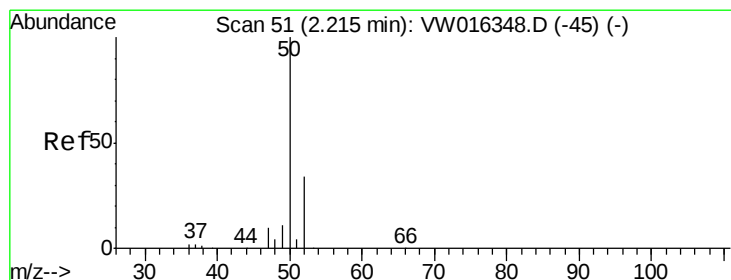
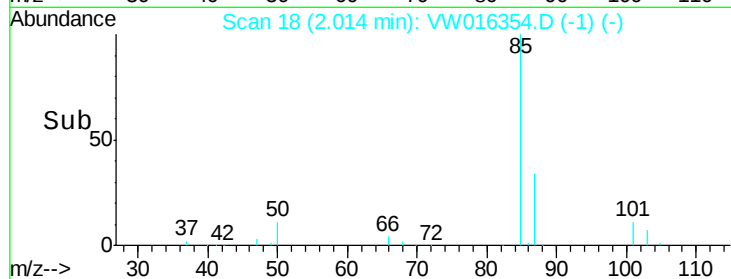
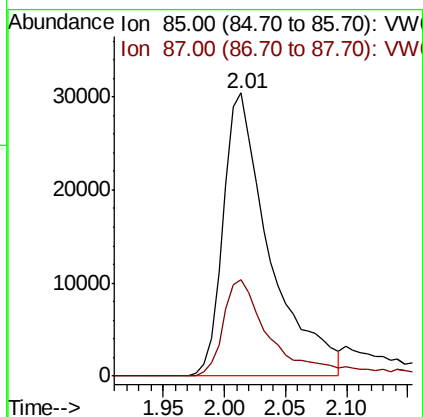
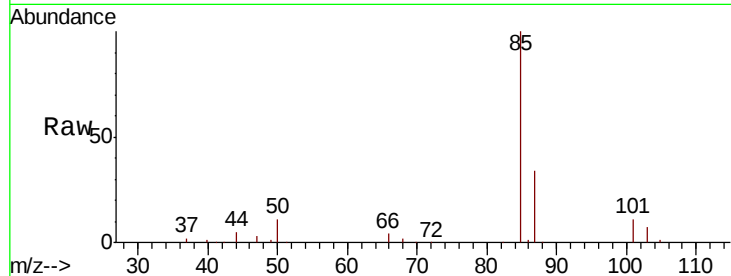
VSTD02527

Tot Ion: 85 Resp: 80083

Ion Ratio Lower Upper

85 100

87 33.3 21.6 40.0



#3

Chloromethane

Concen: 24.296 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW016354.D

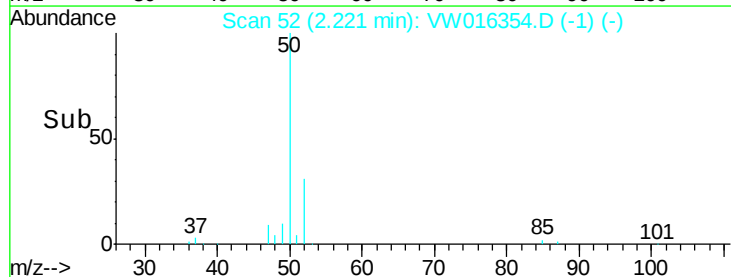
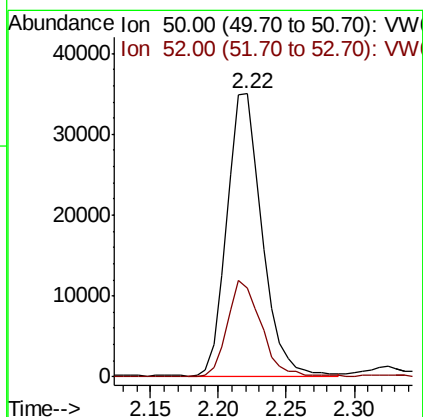
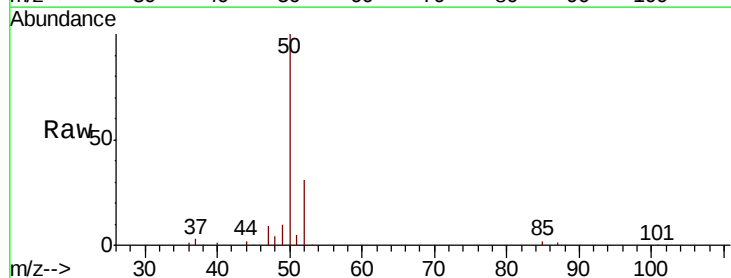
Acq: 26 Aug 2020 09:03

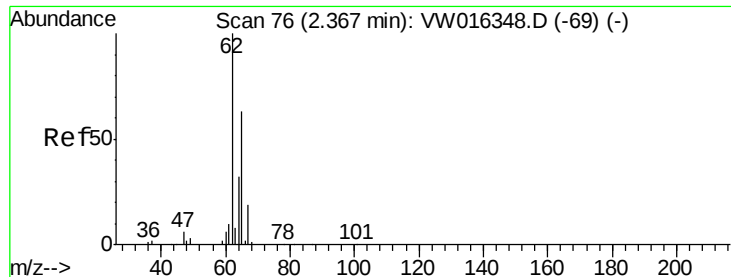
Tgt Ion: 50 Resp: 62607

Ion Ratio Lower Upper

50 100

52 31.4 23.3 43.3





#5

Vinyl chloride

Concen: 25.417 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016354.D

Acq: 26 Aug 2020 09:03

Instrument :

MSVOA_W

ClientSampleId :

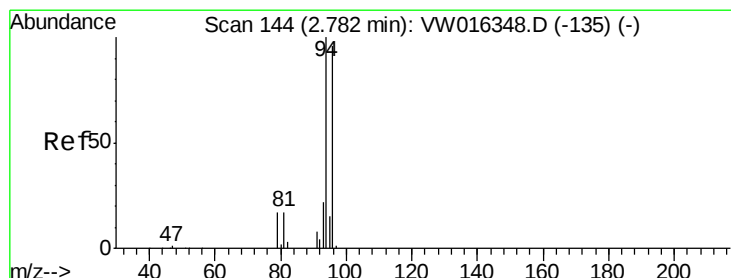
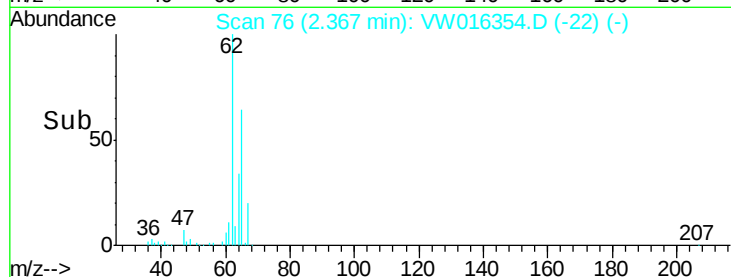
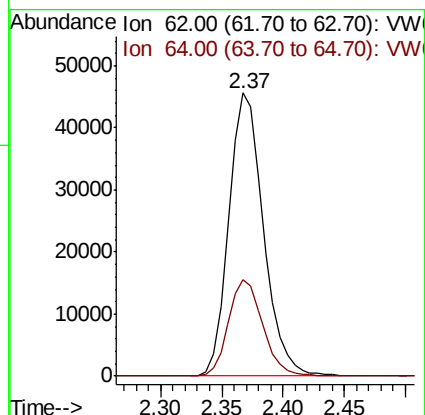
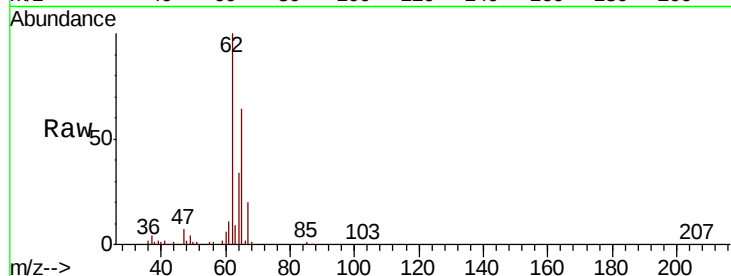
VSTD02527

Tot Ion: 62 Resp: 89203

Ion Ratio Lower Upper

62 100

64 34.0 22.0 41.0



#6

Bromomethane

Concen: 25.147 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW016354.D

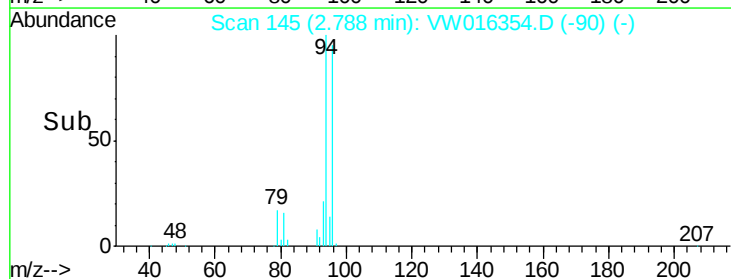
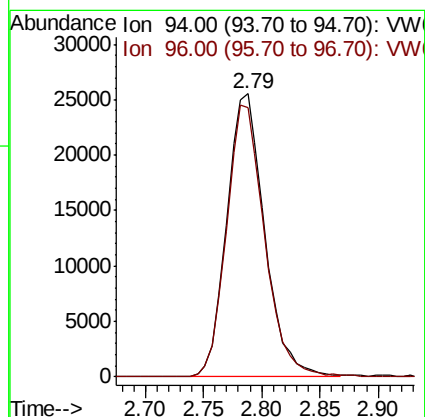
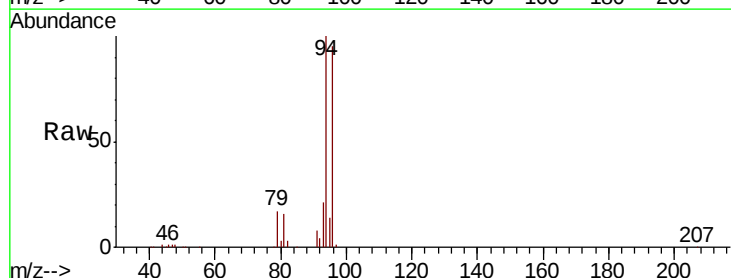
Acq: 26 Aug 2020 09:03

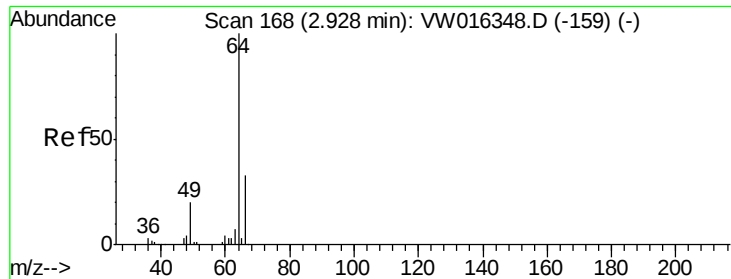
Tgt Ion: 94 Resp: 57698

Ion Ratio Lower Upper

94 100

96 96.0 9.3 176.7





#8

Chloroethane

Concen: 26.231 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW016354.D

Acq: 26 Aug 2020 09:03

Instrument :

MSVOA_W

ClientSampleId :

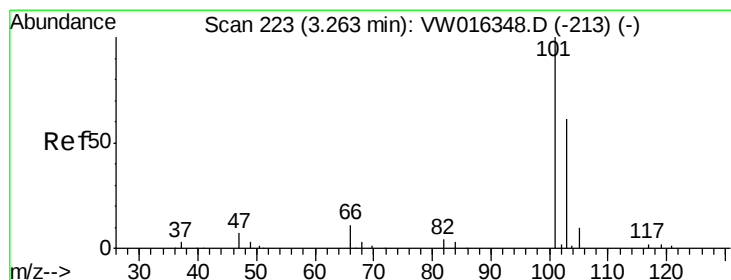
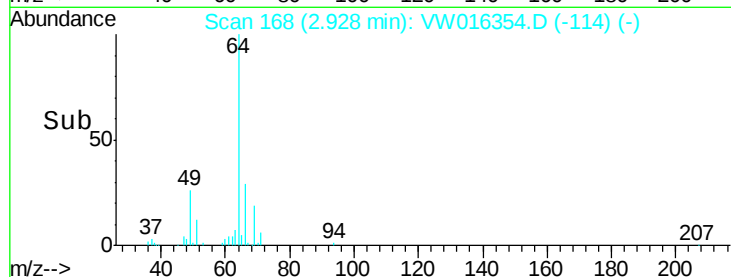
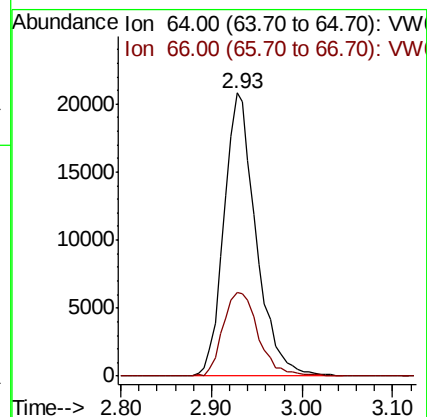
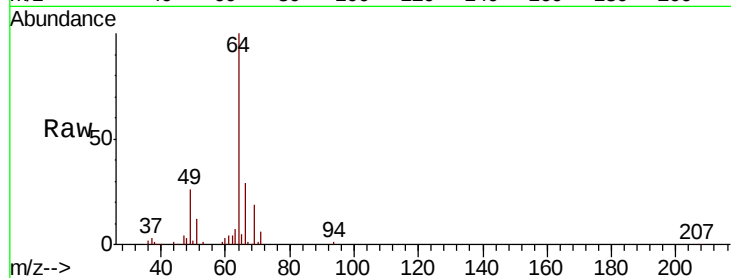
VSTD02527

Tot Ion: 64 Resp: 51333

Ion Ratio Lower Upper

64 100

66 29.4 24.1 44.8



#9

Trichlorofluoromethane

Concen: 26.829 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW016354.D

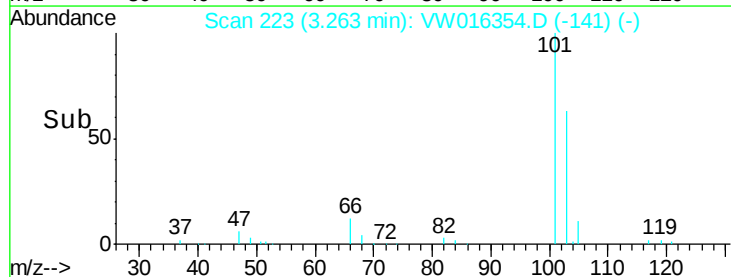
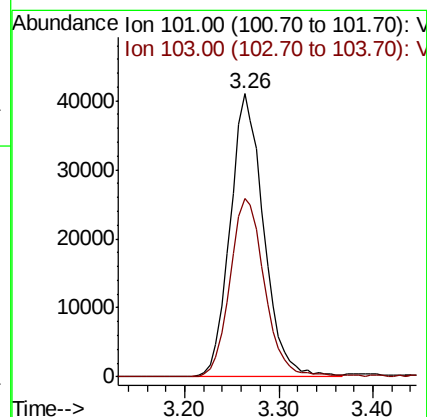
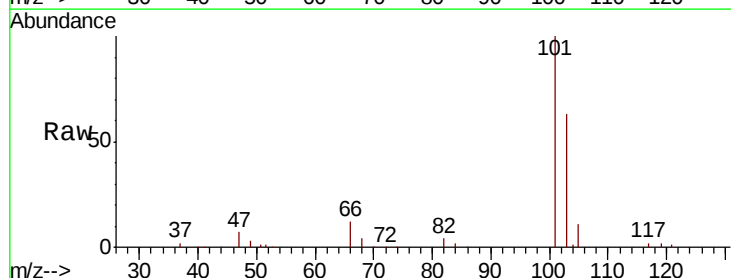
Acq: 26 Aug 2020 09:03

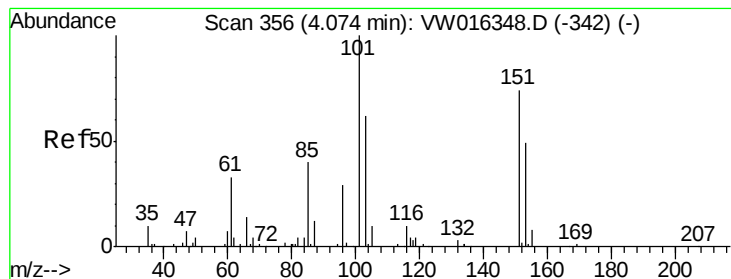
Tgt Ion: 101 Resp: 101896

Ion Ratio Lower Upper

101 100

103 64.3 44.8 83.2





#11

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

Concen: 25.964 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.00 min

Lab File: VW016354.D

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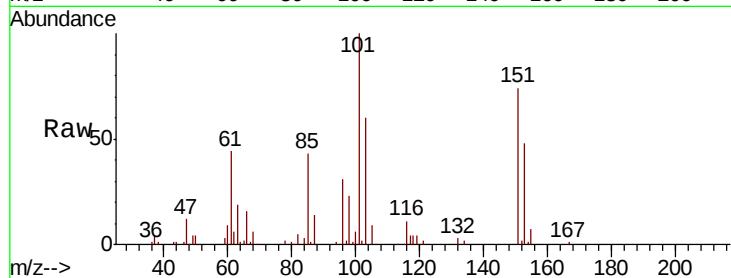
Tot Ion:101 Resp: 107640

Ion Ratio Lower Upper

101 100

85 40.8 31.8 47.6

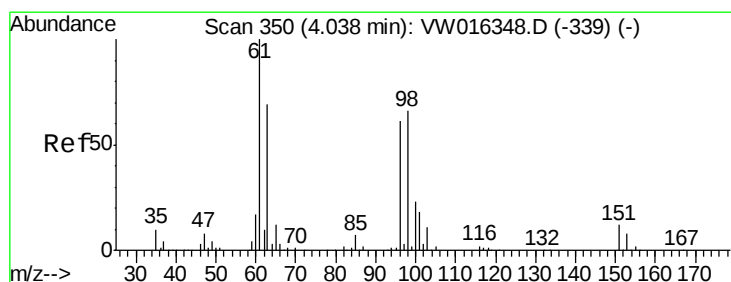
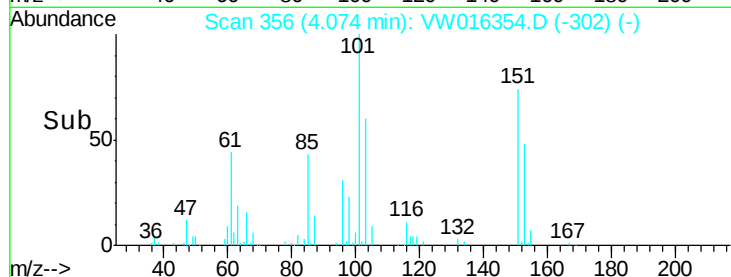
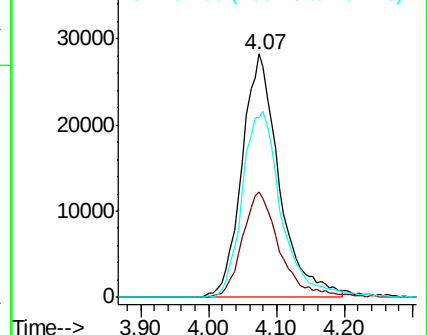
151 79.2 60.9 91.3



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: 25.877 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW016354.D

Acq: 26 Aug 2020 09:03

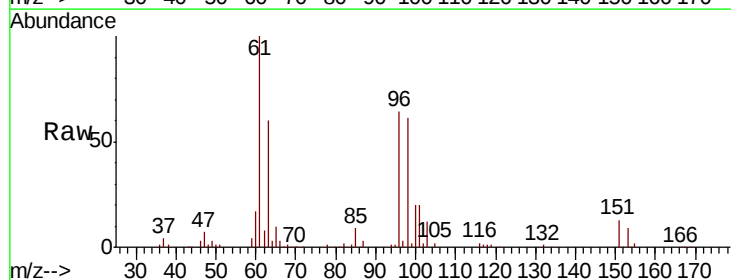
Tgt Ion: 96 Resp: 103183

Ion Ratio Lower Upper

96 100

61 155.9 112.3 208.5

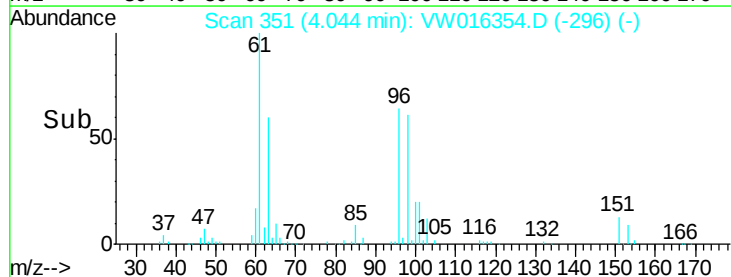
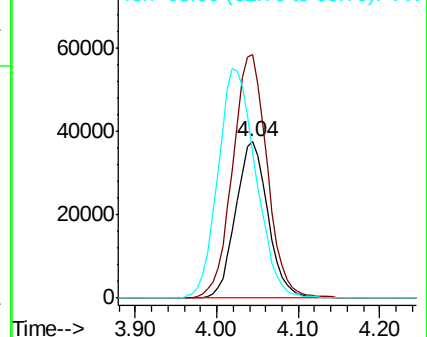
63 93.2 77.3 143.7

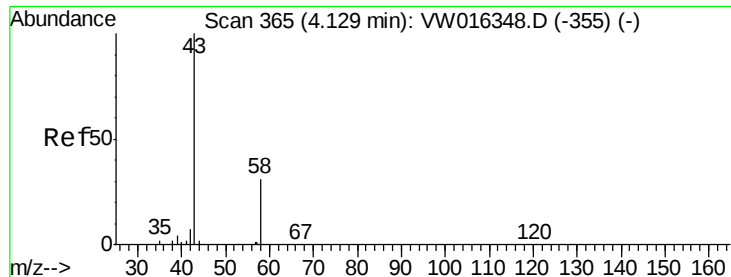


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 54.547 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

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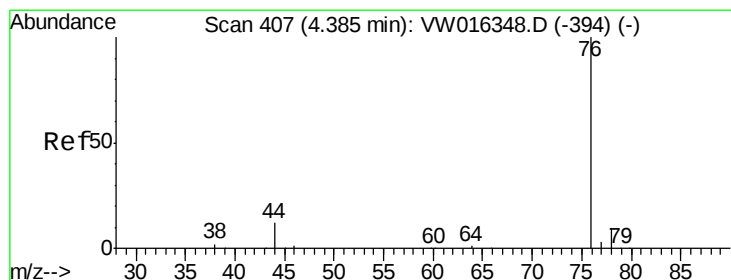
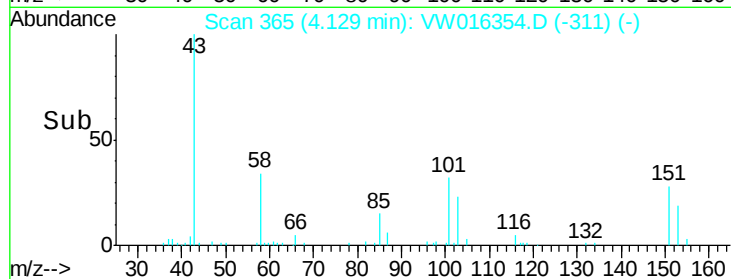
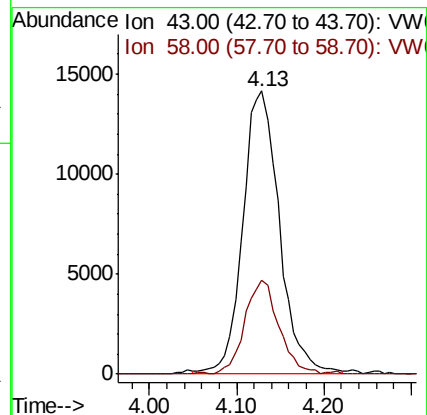
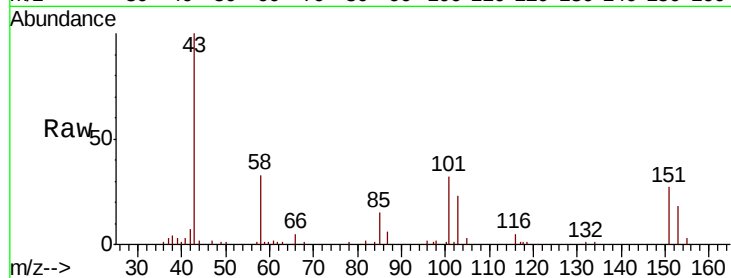
VSTD02527

Tot Ion: 43 Resp: 41287

Ion Ratio Lower Upper

43 100

58 30.7 0.0 63.8



#14

Carbon disulfide

Concen: 24.990 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW016354.D

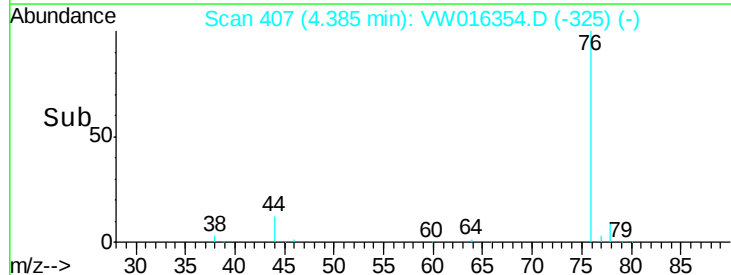
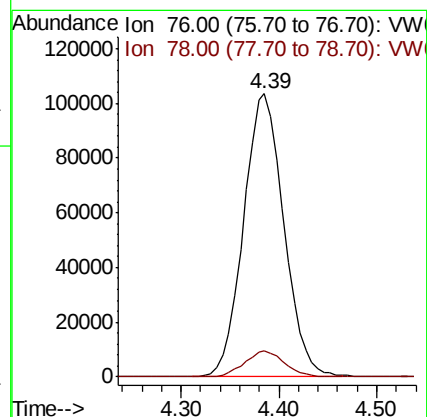
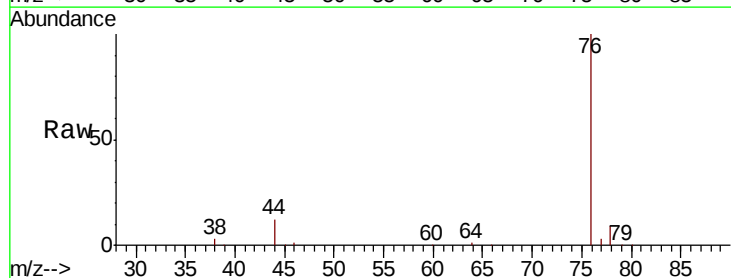
Acq: 26 Aug 2020 09:03

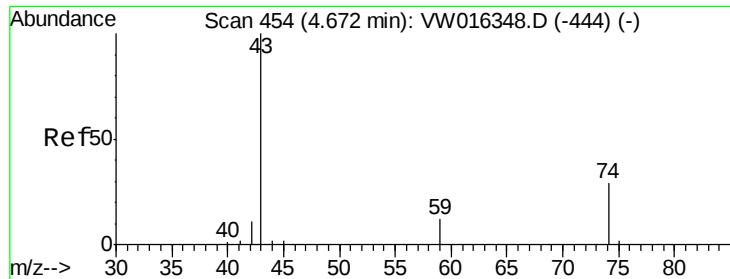
Tgt Ion: 76 Resp: 295447

Ion Ratio Lower Upper

76 100

78 9.1 7.7 11.5

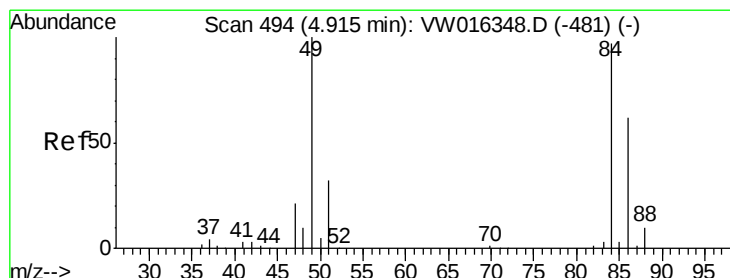
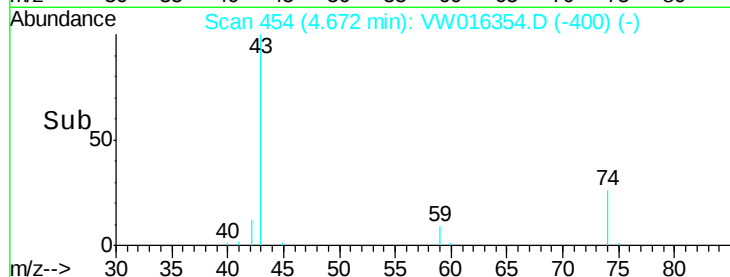
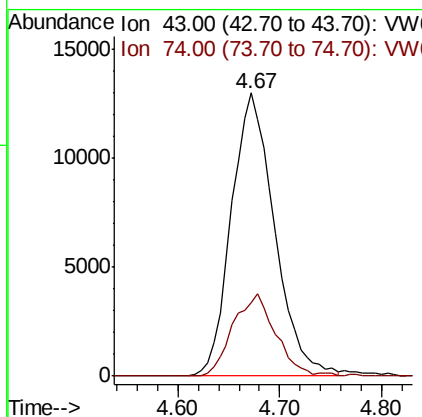
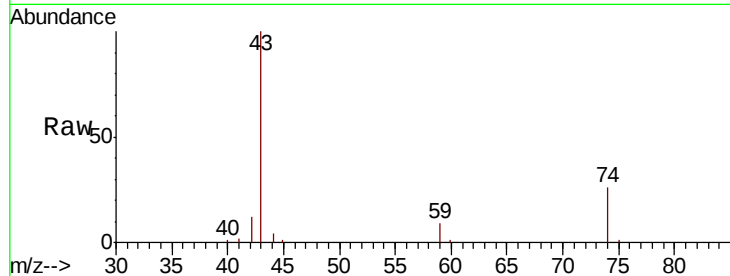




#15
Methvl Acetate
Concen: 25.168 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW016354.D
Acq: 26 Aug 2020 09:03

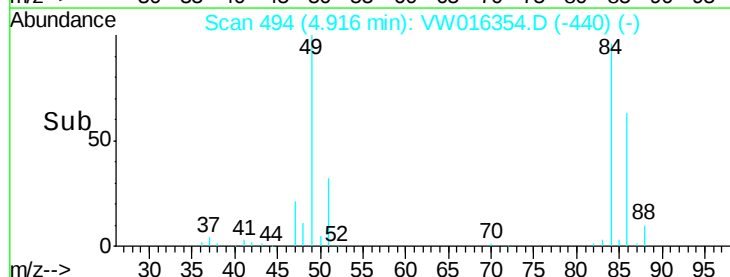
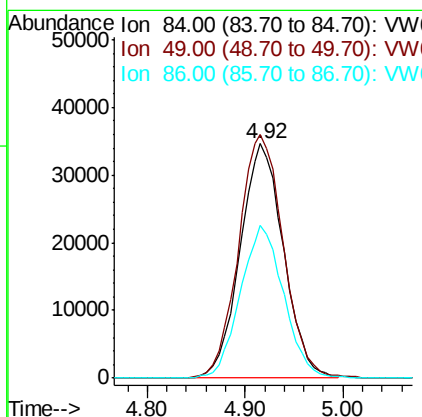
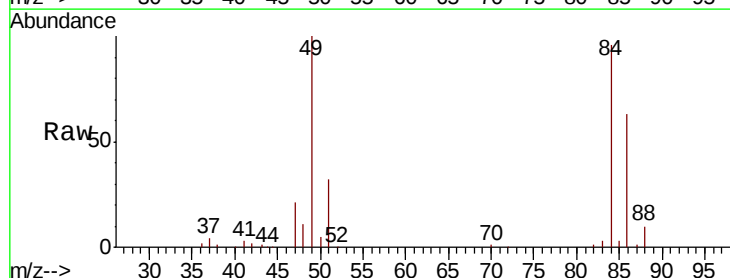
Instrument :
MSVOA_W
ClientSampled :
VSTD02527

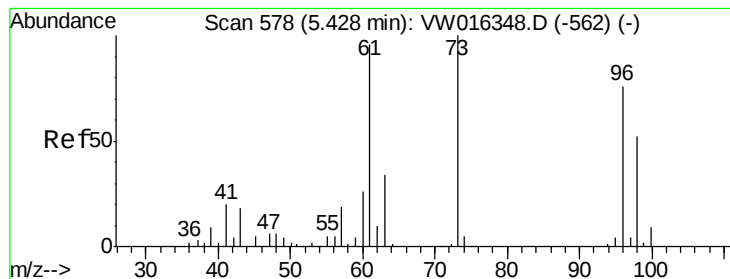
Tot Ion: 43 Resp: 38328
Ion Ratio Lower Upper
43 100
74 28.2 21.0 31.6



#16
Methylene chloride
Concen: 19.247 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW016354.D
Acq: 26 Aug 2020 09:03

Tgt Ion: 84 Resp: 106871
Ion Ratio Lower Upper
84 100
49 104.0 75.3 139.9
86 65.1 43.3 80.3





#17

Methyl tert-butyl Ether

Concen: 25.810 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW016354.D

Acq: 26 Aug 2020 09:03

Instrument :

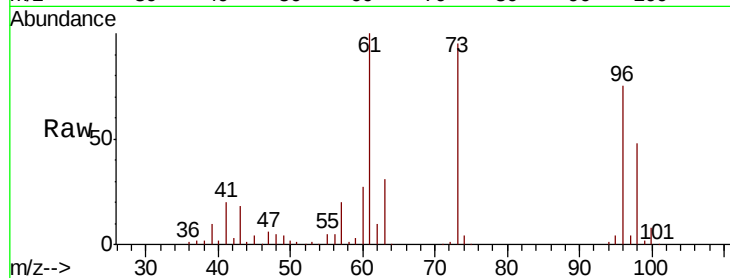
MSVOA_W

ClientSampleId :

VSTD02527

Tot Ion: 73 Resp: 150480

Ion	Ratio	Lower	Upper
73	100		
43	19.1	15.3	22.9
57	20.7	16.1	24.1

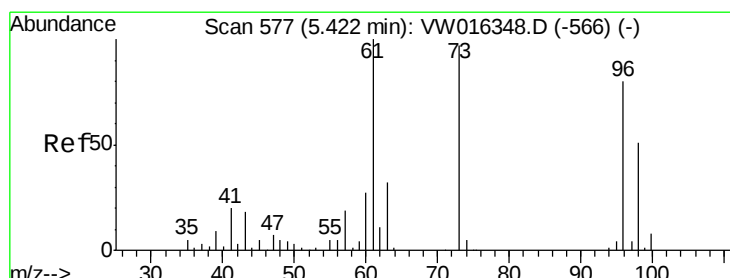
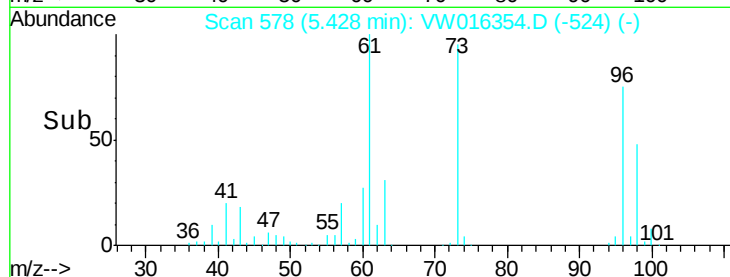
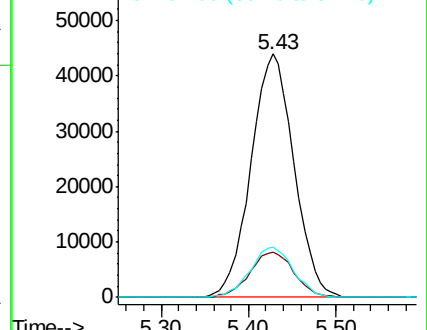


Abundance

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: 25.019 ug/L

RT: 5.43 min Scan# 578

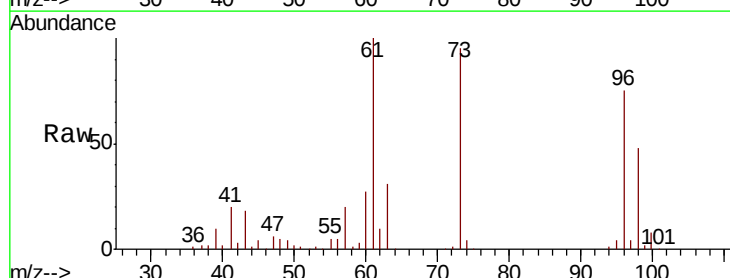
Delta R.T. 0.01 min

Lab File: VW016354.D

Acq: 26 Aug 2020 09:03

Tgt Ion: 96 Resp: 104795

Ion	Ratio	Lower	Upper
96	100		
61	132.6	89.9	167.0
98	63.3	41.6	77.2

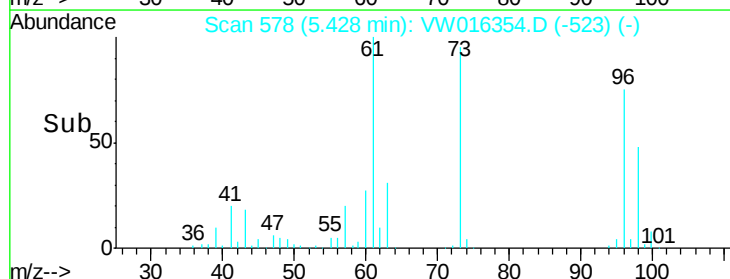
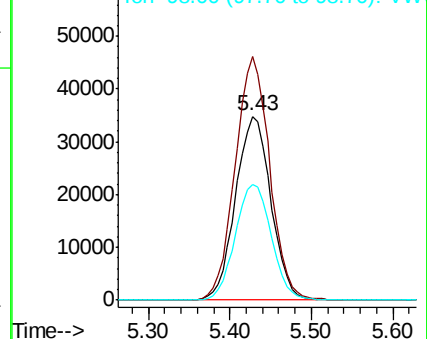


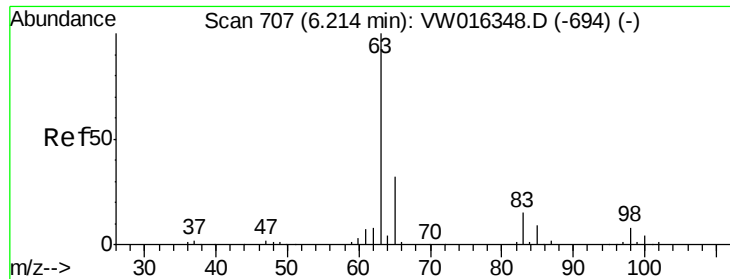
Abundance

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

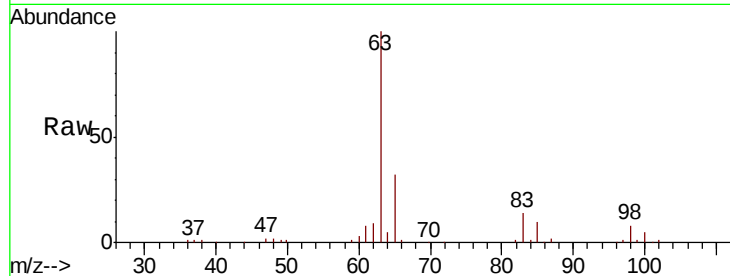




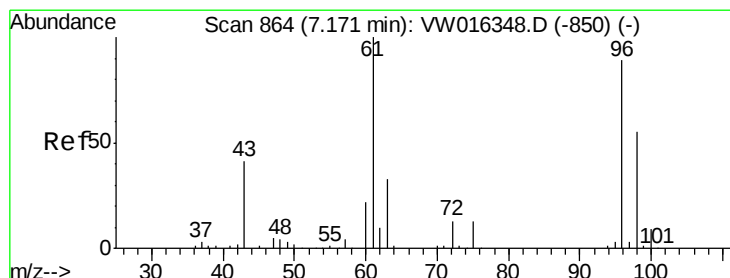
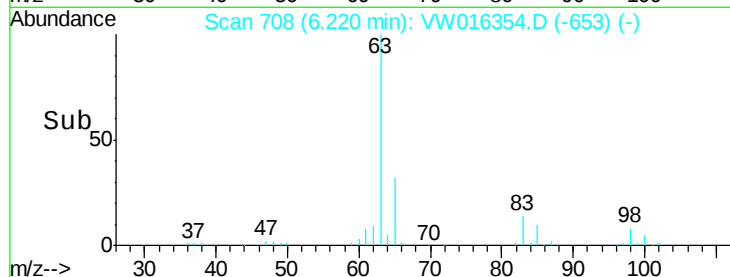
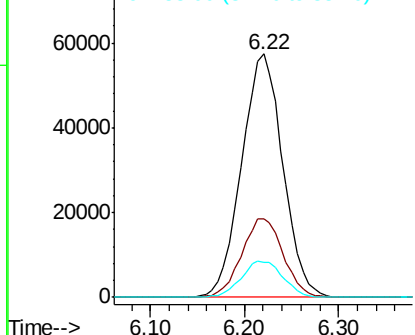
#19
 1,1-Dichloroethane
 Concen: 25.406 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VW016354.D
 Acq: 26 Aug 2020 09:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

Tot Ion: 63 Resp: 175337
 Ion Ratio Lower Upper
 63 100
 65 32.3 21.8 40.6
 83 14.4 9.6 17.8

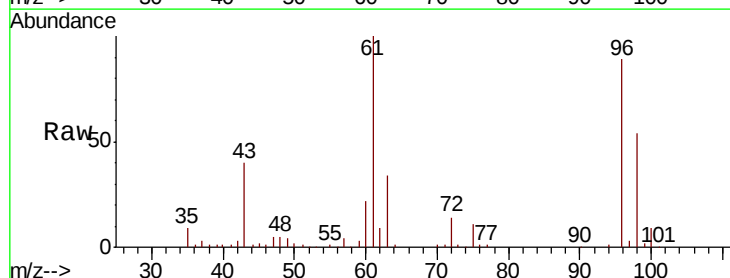


Abundance Ion 63.00 (62.70 to 63.70): VW
 Ion 65.00 (64.70 to 65.70): VW
 Ion 83.00 (82.70 to 83.70): VW

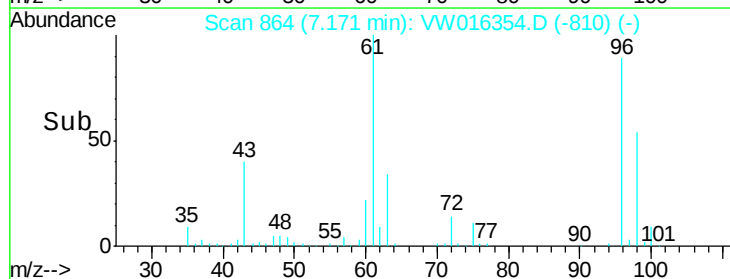
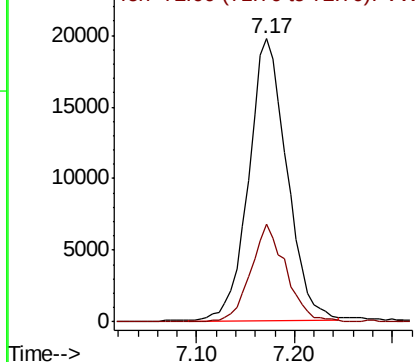


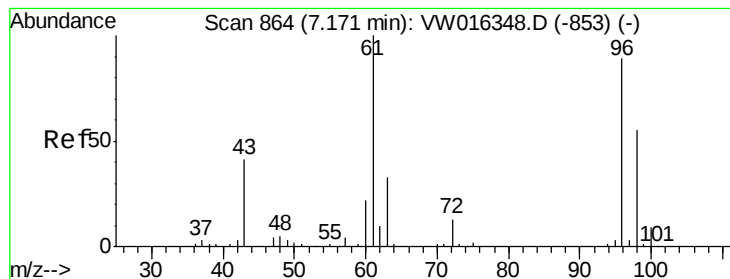
#21
 2-Butanone
 Concen: 49.484 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW016354.D
 Acq: 26 Aug 2020 09:03

Tgt Ion: 43 Resp: 53363
 Ion Ratio Lower Upper
 43 100
 72 32.2 16.0 48.0



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



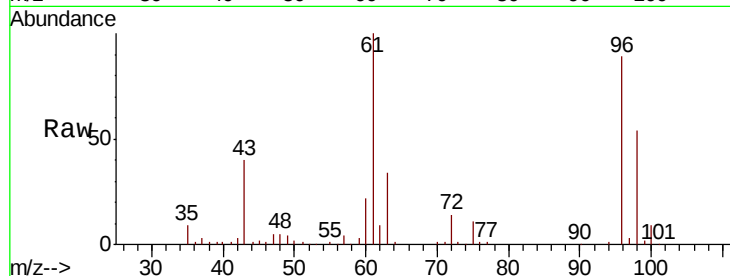


#22

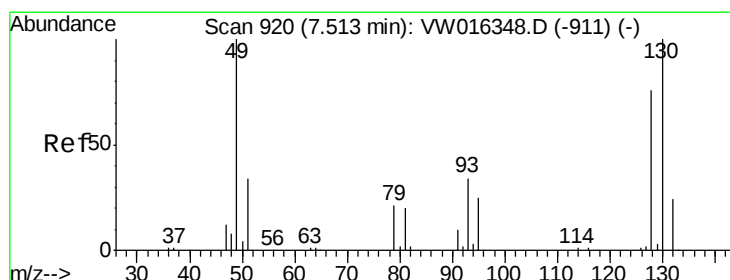
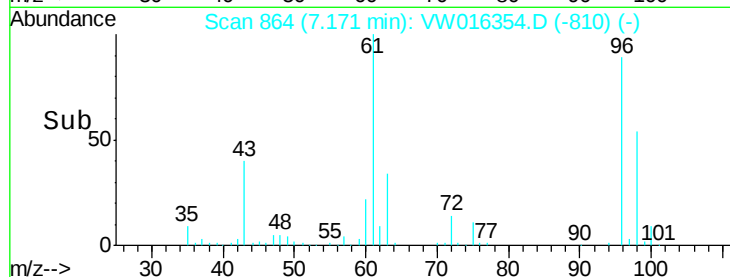
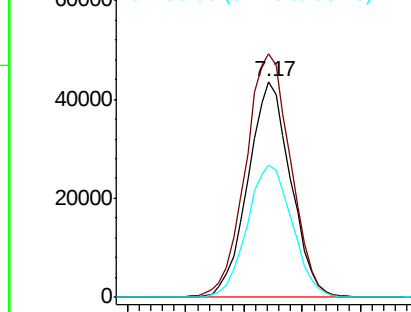
cis-1,2-Dichloroethene
 Concen: 25.227 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW016354.D
 Acq: 26 Aug 2020 09:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

Tot Ion: 96 Resp: 111131
 Ion Ratio Lower Upper
 96 100
 61 112.7 84.9 157.7
 98 61.0 46.8 86.8



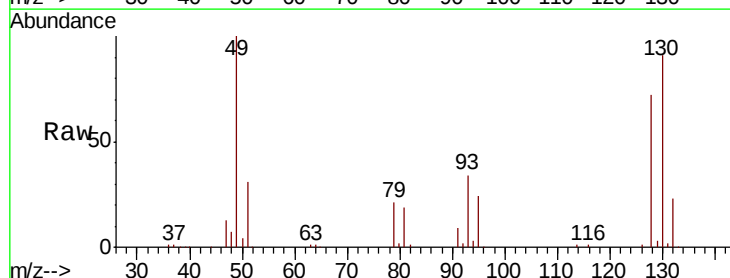
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



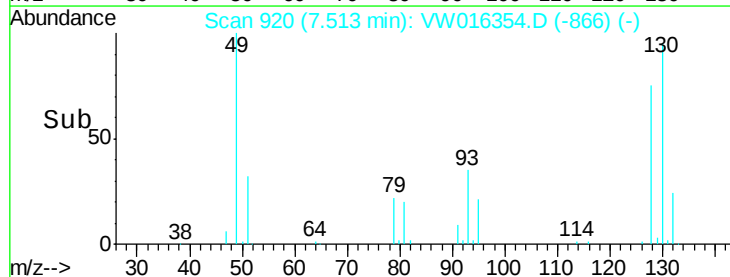
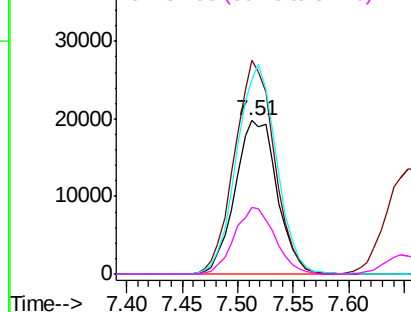
#23

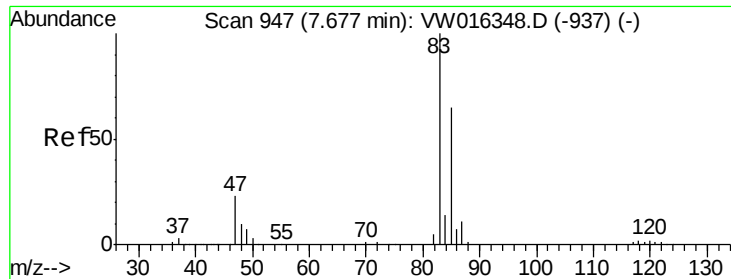
Bromochloromethane
 Concen: 25.731 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW016354.D
 Acq: 26 Aug 2020 09:03

Tgt Ion: 128 Resp: 51991
 Ion Ratio Lower Upper
 128 100
 49 139.5 94.5 175.5
 130 127.5 83.0 154.1
 51 43.7 33.4 50.0



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VW
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VW

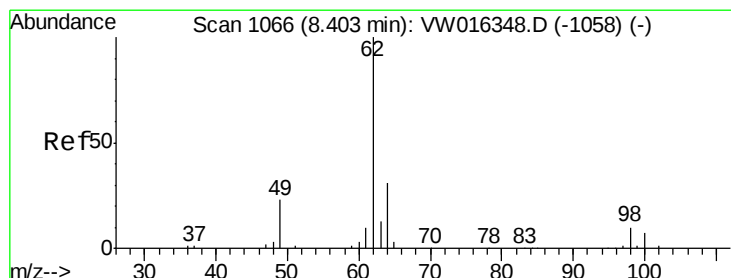
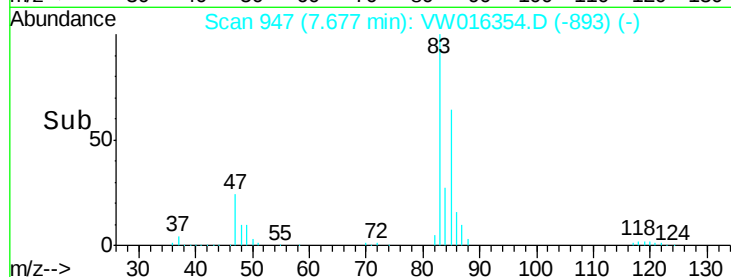
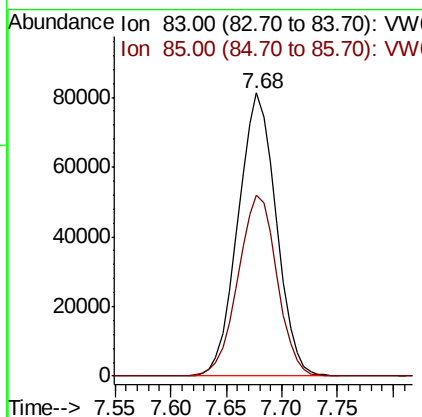
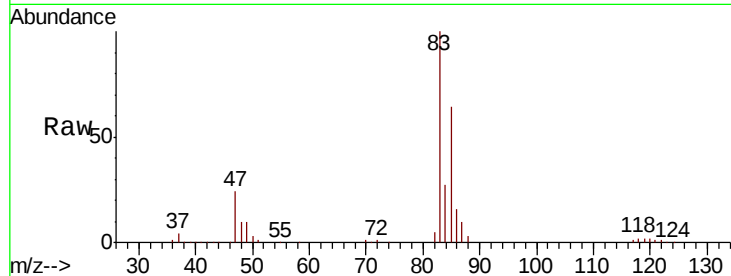




#25
Chloroform
Concen: 26.064 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW016354.D
Acq: 26 Aug 2020 09:03

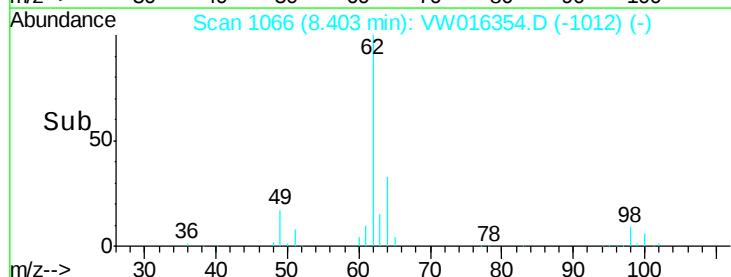
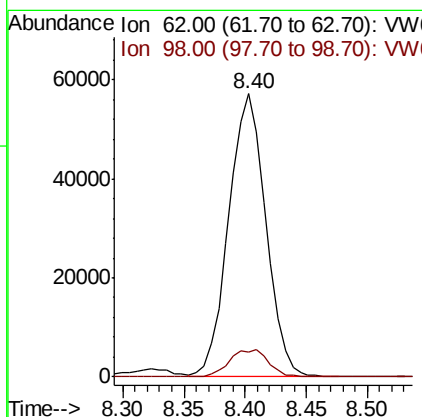
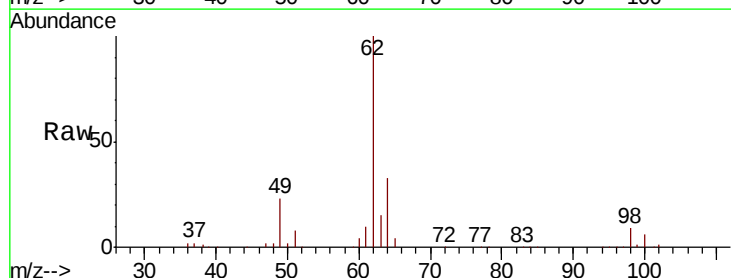
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

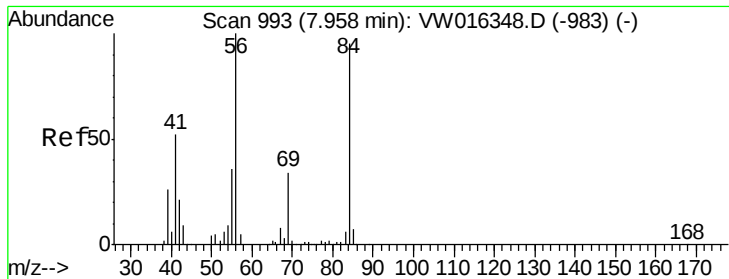
Tot Ion: 83 Resp: 193716
Ion Ratio Lower Upper
83 100
85 65.4 45.3 84.1



#27
1,2-Dichloroethane
Concen: 25.891 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016354.D
Acq: 26 Aug 2020 09:03

Tgt Ion: 62 Resp: 120524
Ion Ratio Lower Upper
62 100
98 8.9 7.8 11.8

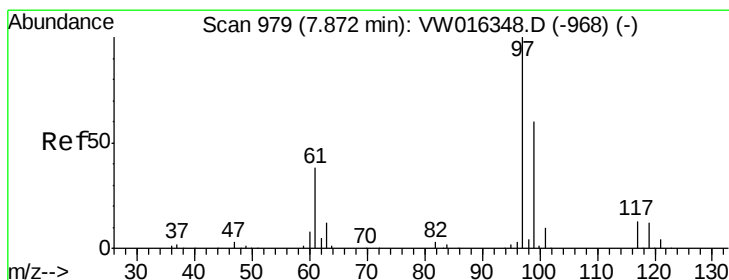
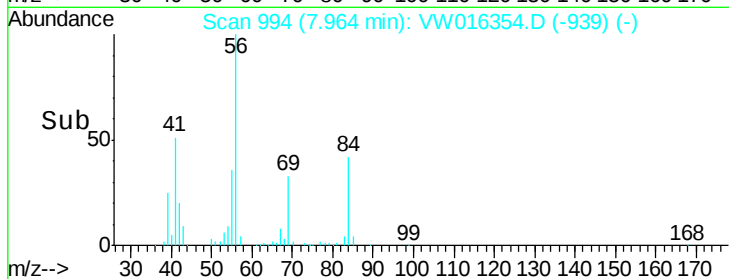
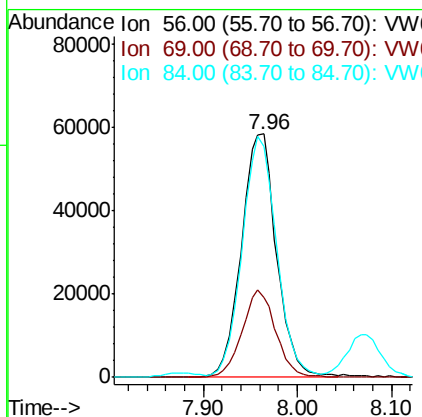
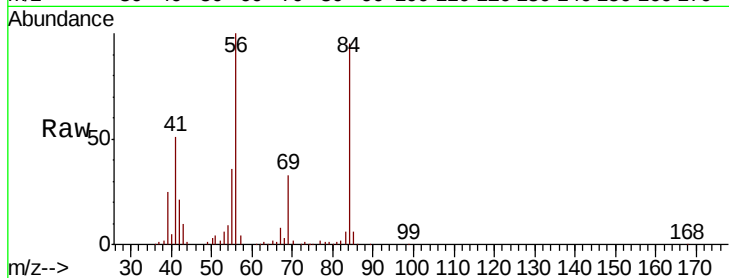




#30
Cyclohexane
Concen: 25.076 ug/L
RT: 7.96 min Scan# 994
Delta R.T. 0.01 min
Lab File: VW016354.D
Acq: 26 Aug 2020 09:03

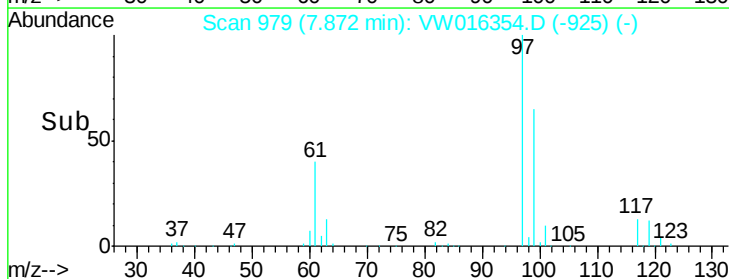
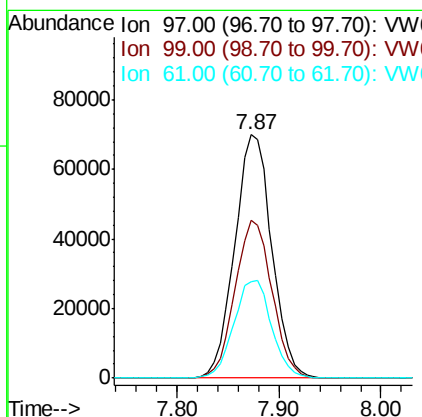
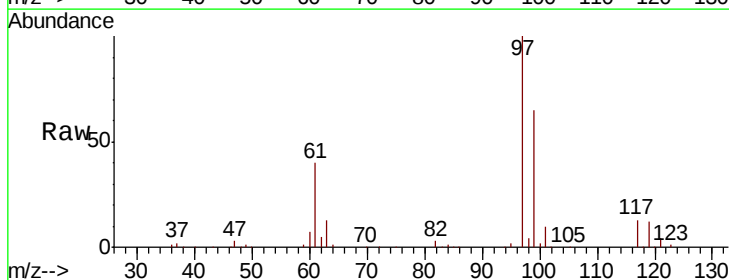
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

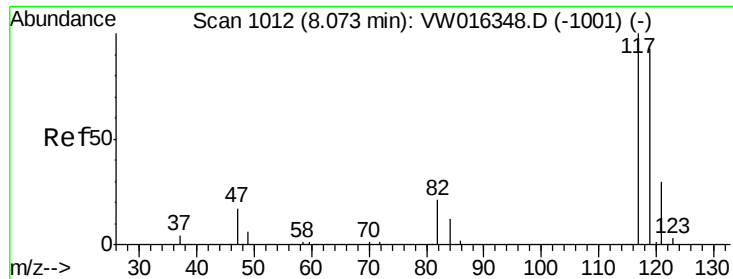
Tot Ion: 56 Resp: 153065
Ion Ratio Lower Upper
56 100
69 34.2 26.6 40.0
84 97.0 78.4 117.6



#31
1,1,1-Trichloroethane
Concen: 26.003 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW016354.D
Acq: 26 Aug 2020 09:03

Tgt Ion: 97 Resp: 176622
Ion Ratio Lower Upper
97 100
99 64.7 51.5 77.3
61 40.7 32.0 48.0





#32

Carbon tetrachloride

Concen: 25.949 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW016354.D

Acq: 26 Aug 2020 09:03

Instrument :

MSVOA_W

ClientSampleId :

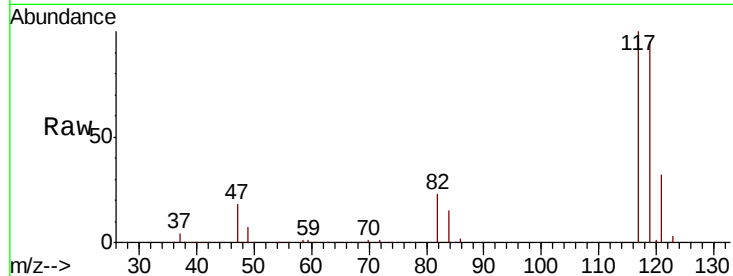
VSTD02527

Tot Ion:117 Resp: 167359

Ion Ratio Lower Upper

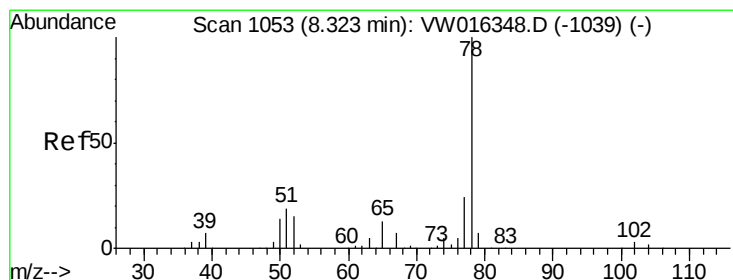
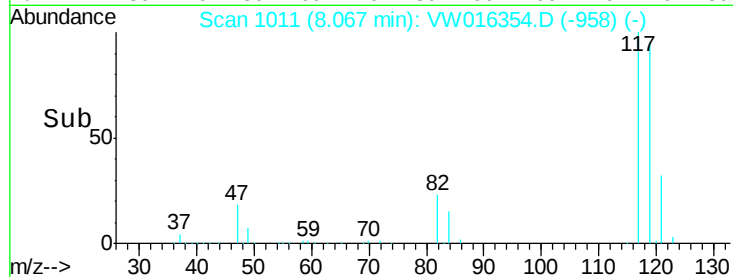
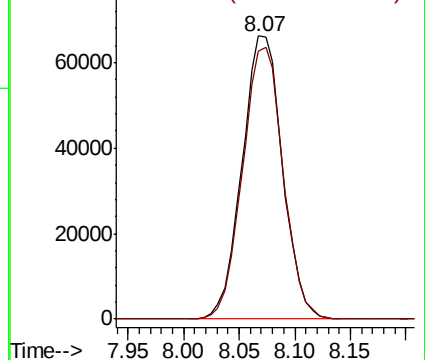
117 100

119 96.3 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: 25.292 ug/L

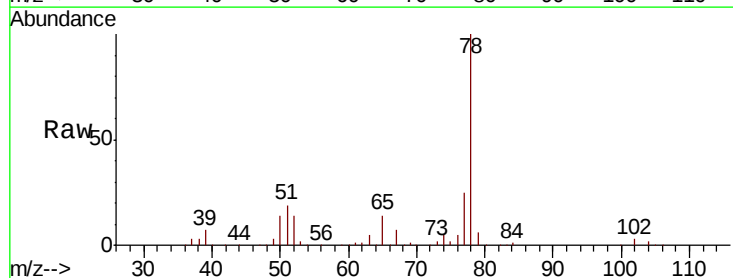
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

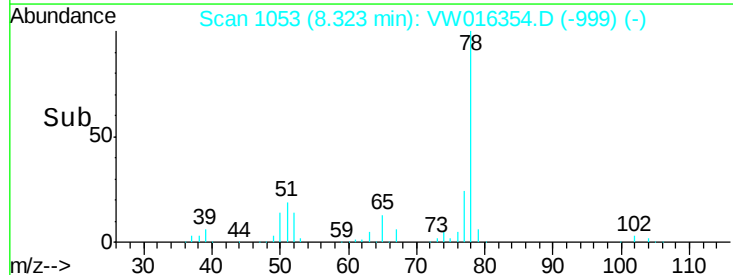
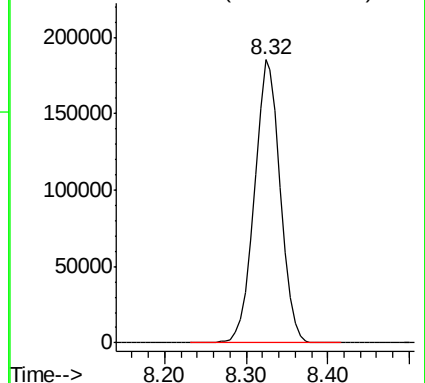
Lab File: VW016354.D

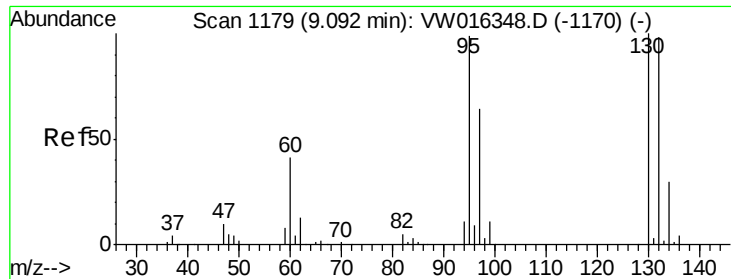
Acq: 26 Aug 2020 09:03

Tgt Ion: 78 Resp: 409712



Abundance Ion 78.00 (77.70 to 78.70): VW

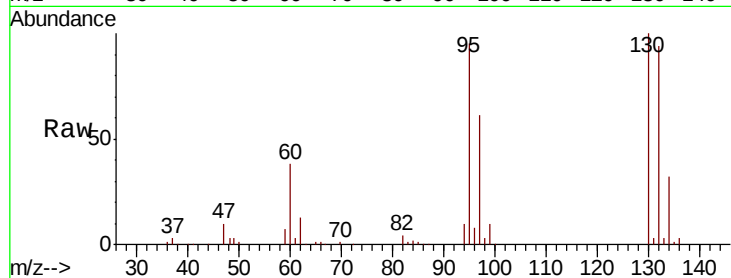




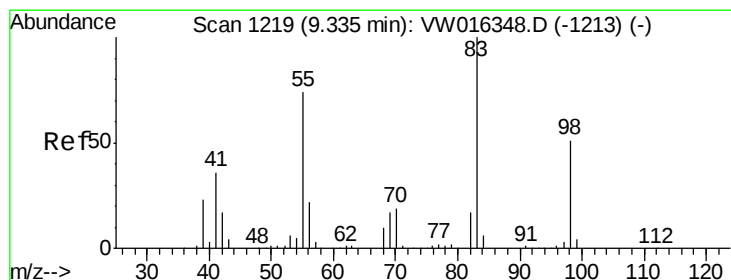
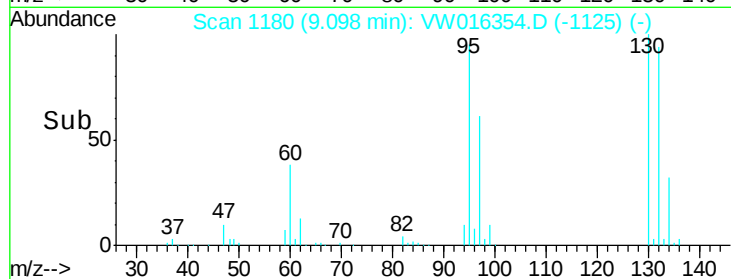
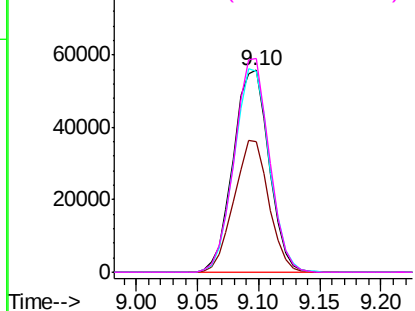
#35
 Trichloroethene
 Concen: 24.715 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: VW016354.D
 Acq: 26 Aug 2020 09:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

Tot Ion: 95 Resp: 113358
 Ion Ratio Lower Upper
 95 100
 97 63.3 44.9 83.5
 132 99.5 68.2 126.6
 130 102.9 71.5 132.9

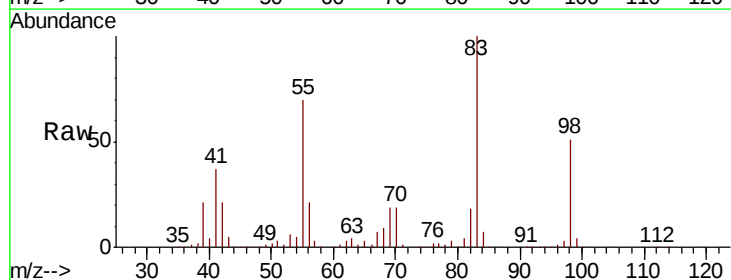


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

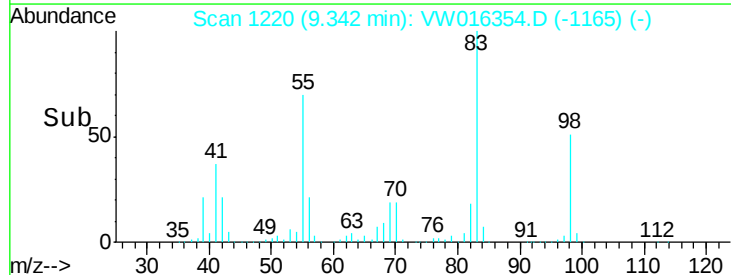
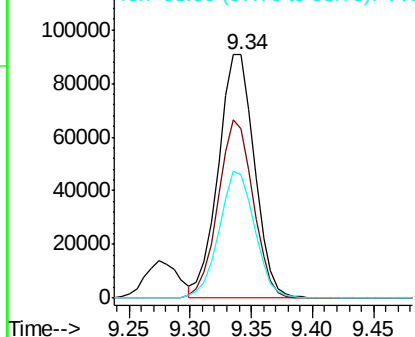


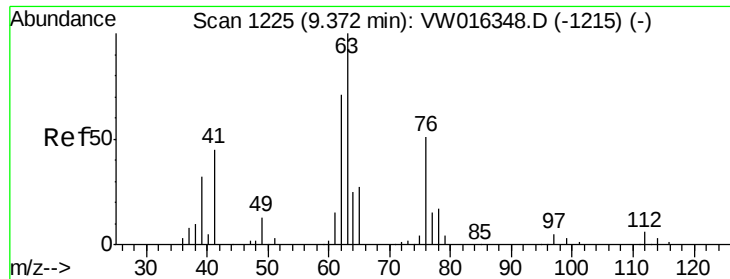
#36
 Methylcyclohexane
 Concen: 24.939 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VW016354.D
 Acq: 26 Aug 2020 09:03

Tgt Ion: 83 Resp: 186731
 Ion Ratio Lower Upper
 83 100
 55 70.7 55.6 83.4
 98 51.1 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

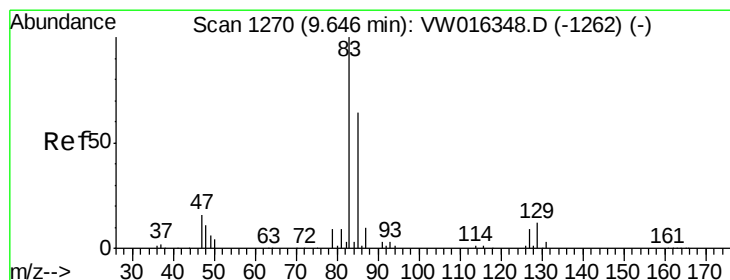
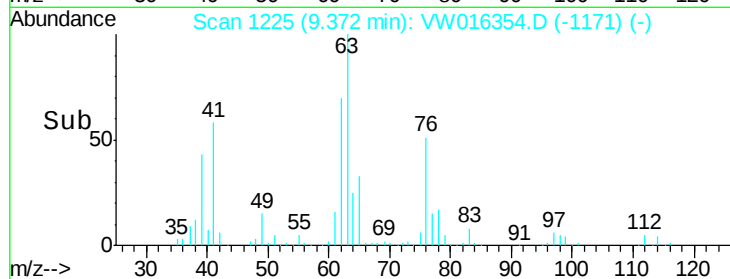
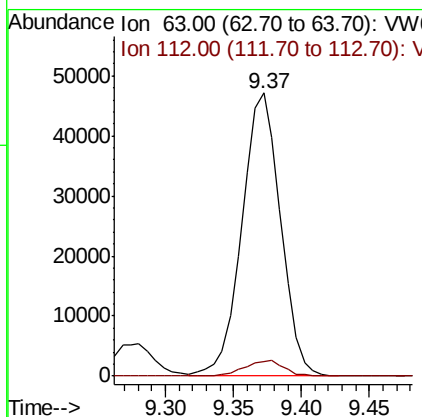
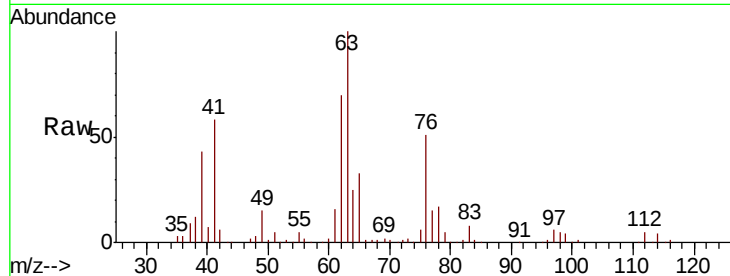




#40
 1,2-Dichloropropane
 Concen: 24.663 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016354.D
 Acq: 26 Aug 2020 09:03

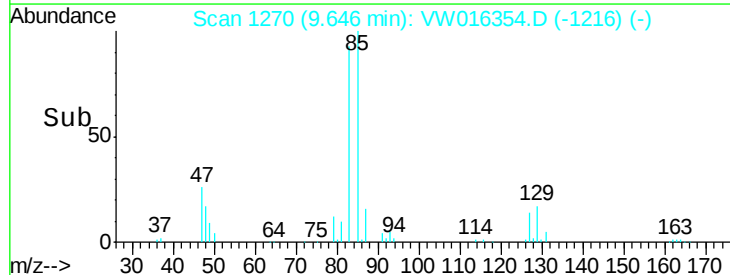
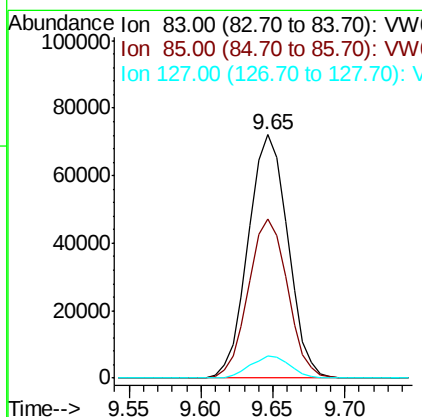
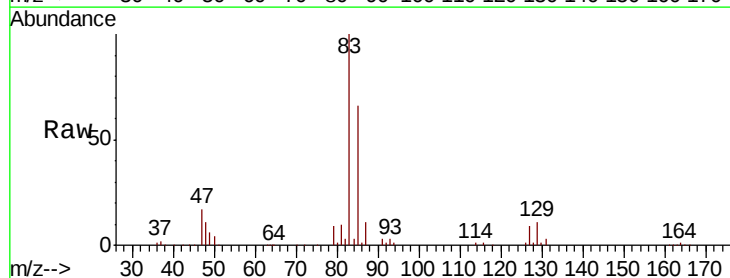
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

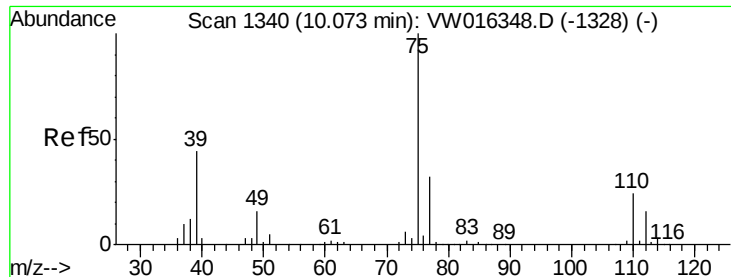
Tot Ion: 63 Resp: 93954
 Ion Ratio Lower Upper
 63 100
 112 5.6 4.4 6.6



#41
 Bromodichloromethane
 Concen: 25.516 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016354.D
 Acq: 26 Aug 2020 09:03

Tgt Ion: 83 Resp: 137698
 Ion Ratio Lower Upper
 83 100
 85 65.5 44.7 83.1
 127 9.0 7.0 10.4





#42

cis-1,3-Dichloropropene

Concen: 25.298 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW016354.D

Acq: 26 Aug 2020 09:03

Instrument :

MSVOA_W

ClientSampleId :

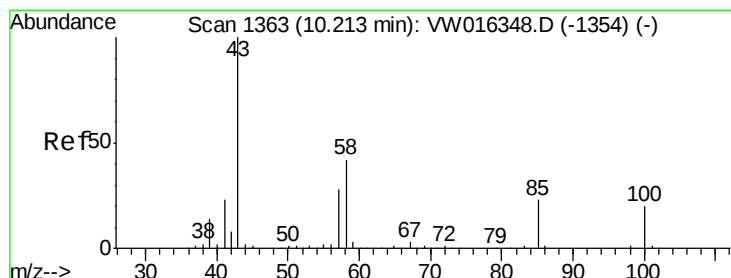
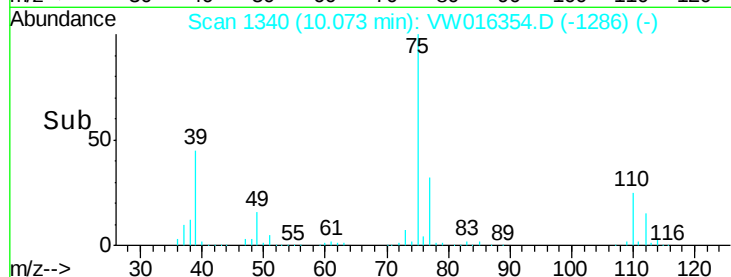
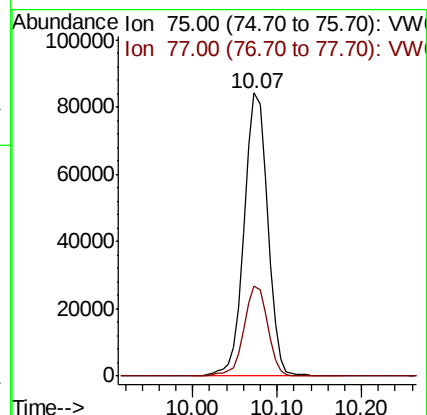
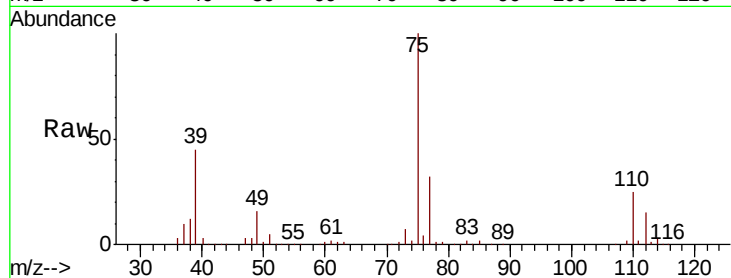
VSTD02527

Tot Ion: 75 Resp: 157796

Ion Ratio Lower Upper

75 100

77 31.7 22.0 40.8



#43

4-Methyl-2-pentanone

Concen: 49.009 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016354.D

Acq: 26 Aug 2020 09:03

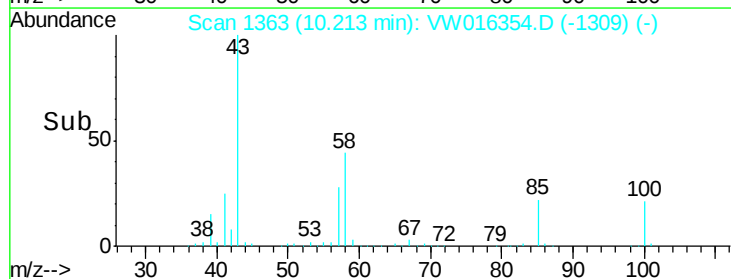
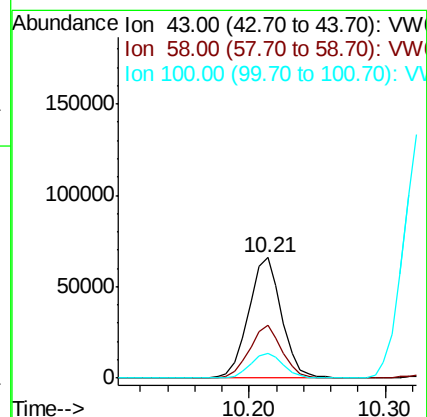
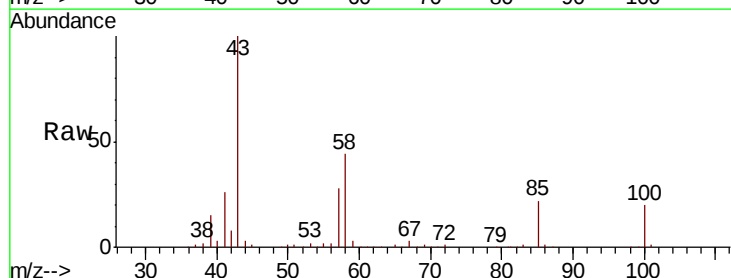
Tgt Ion: 43 Resp: 111631

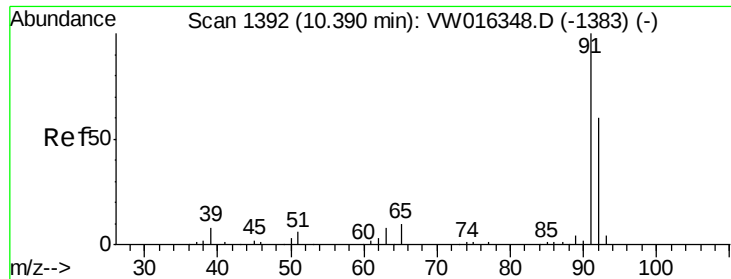
Ion Ratio Lower Upper

43 100

58 43.0 34.9 52.3

100 20.3 15.9 23.9





#44

Toluene

Concen: 25.394 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016354.D

Acq: 26 Aug 2020 09:03

Instrument :

MSVOA_W

ClientSampleId :

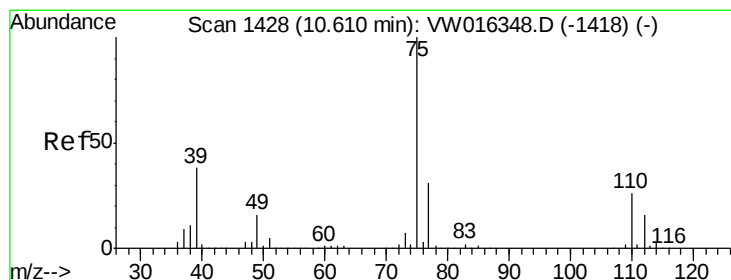
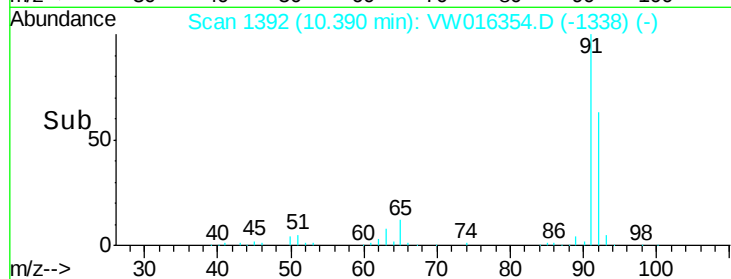
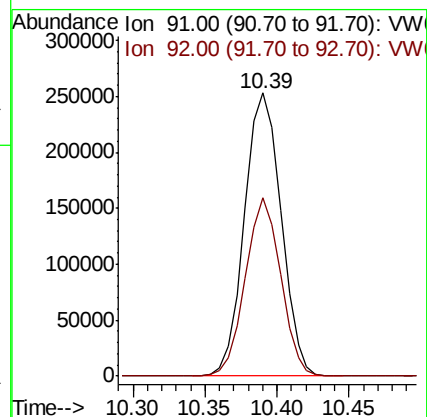
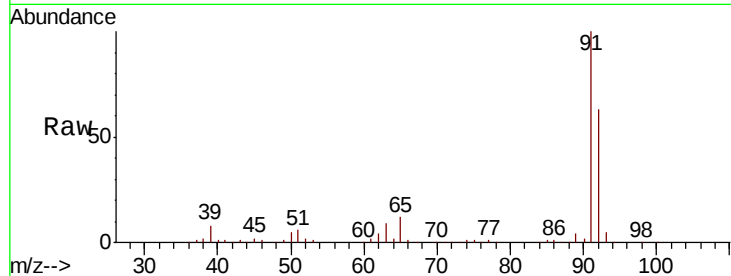
VSTD02527

Tot Ion: 91 Resp: 447984

Ion Ratio Lower Upper

91 100

92 63.3 41.5 77.1



#45

trans-1,3-Dichloropropene

Concen: 25.736 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016354.D

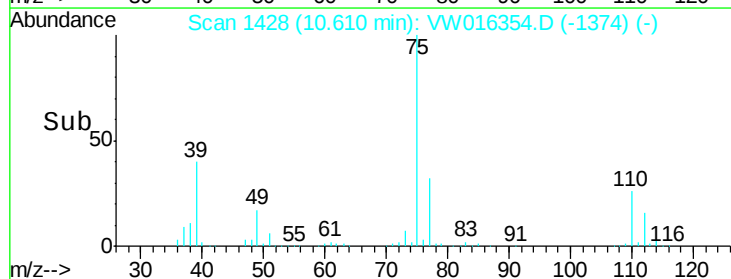
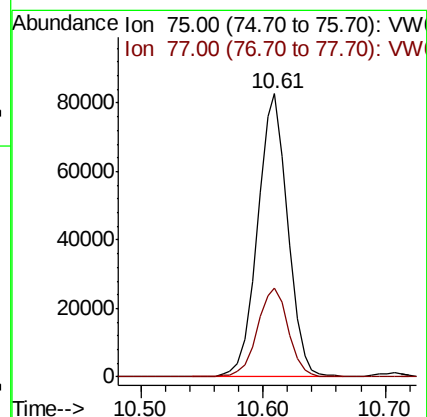
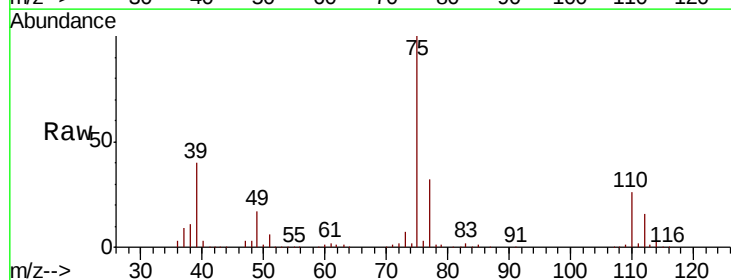
Acq: 26 Aug 2020 09:03

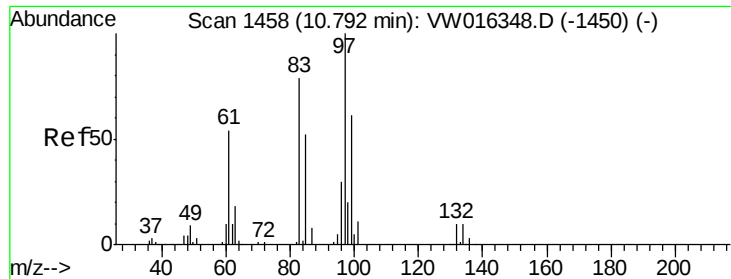
Tgt Ion: 75 Resp: 141934

Ion Ratio Lower Upper

75 100

77 31.5 21.3 39.5





#46

1,1,2-Trichloroethane

Concen: 25.749 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.01 min

Lab File: VW016354.D

Acq: 26 Aug 2020 09:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

Tot Ion: 97 Resp: 80964

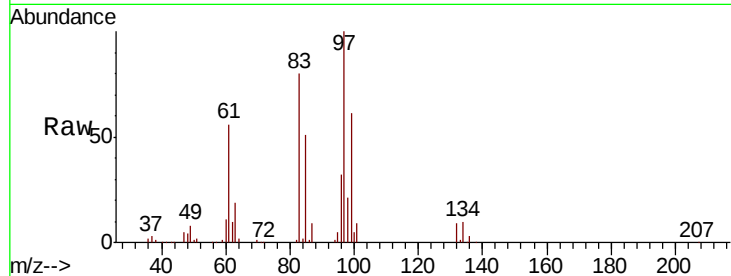
Ion Ratio Lower Upper

97 100

83 80.1 57.9 107.5

85 50.7 38.8 72.0

99 60.8 46.4 86.2

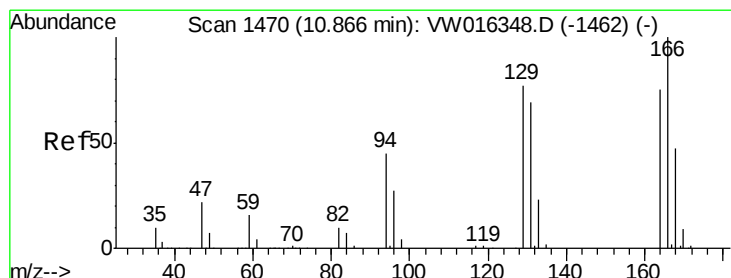
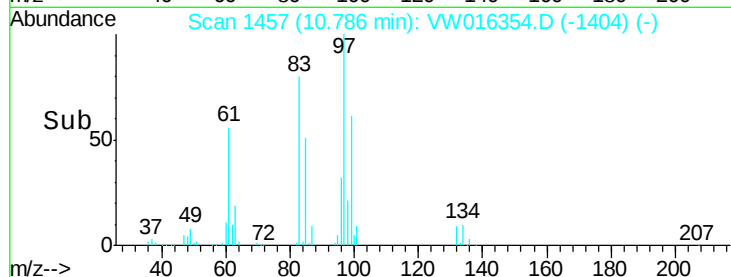
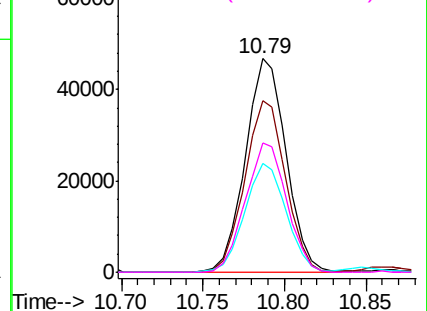


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 24.830 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016354.D

Acq: 26 Aug 2020 09:03

Tgt Ion: 164 Resp: 89804

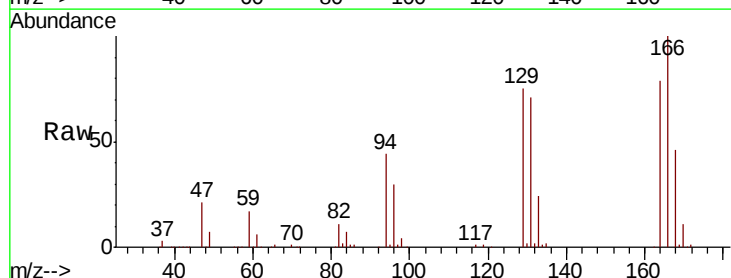
Ion Ratio Lower Upper

164 100

129 95.2 71.5 132.7

131 90.5 67.4 125.2

166 127.1 92.5 171.9

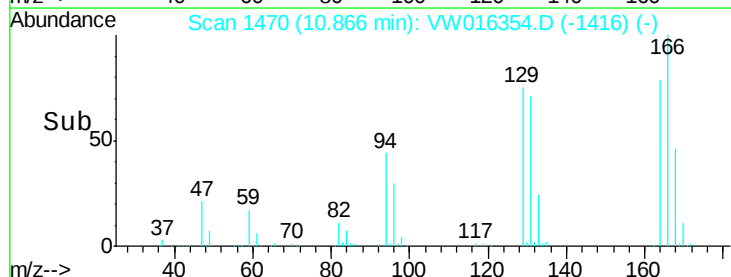
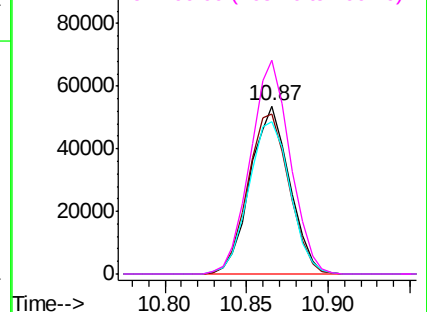


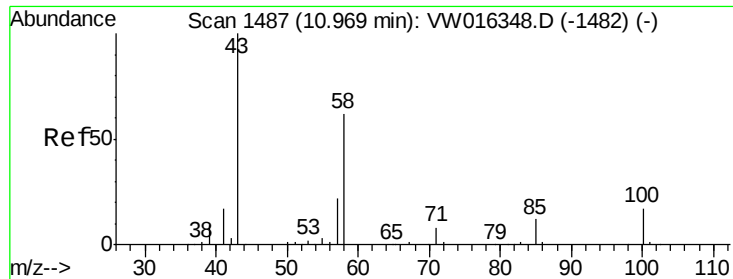
Abundance Ion 164.00 (163.70 to 164.70): V

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

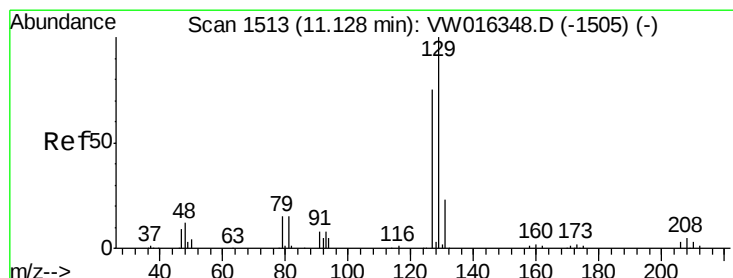
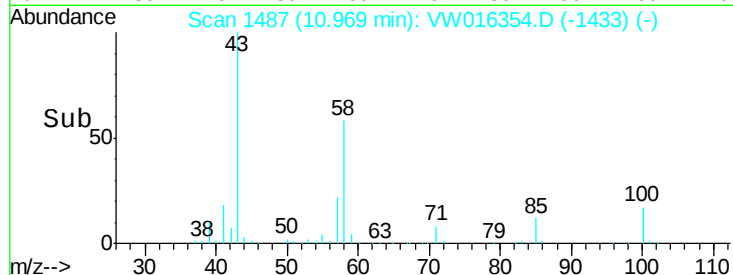
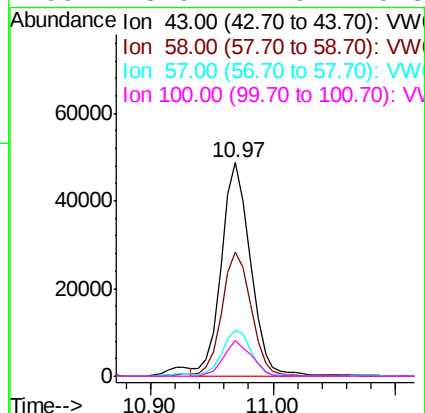
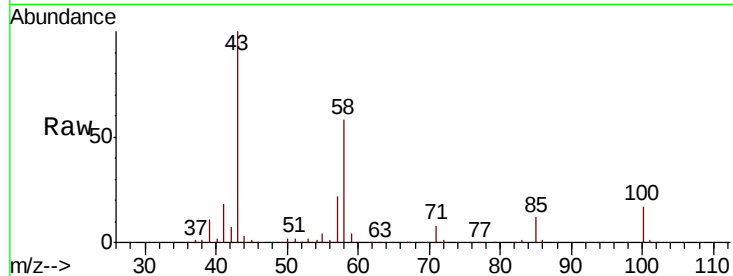




#49
2-Hexanone
Concen: 54.656 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW016354.D
Acq: 26 Aug 2020 09:03

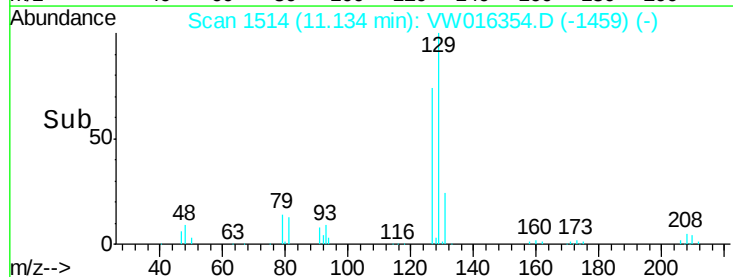
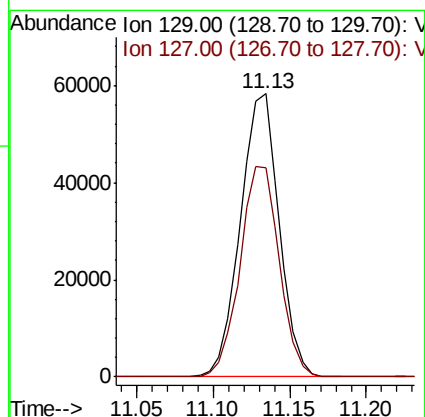
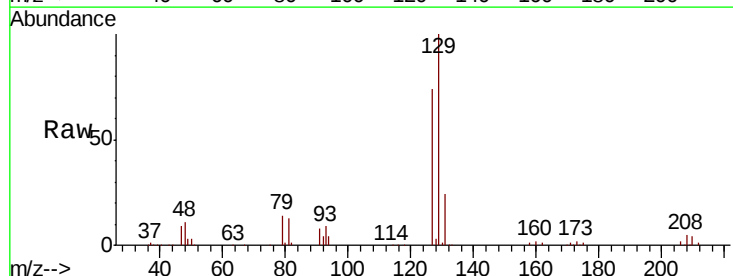
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

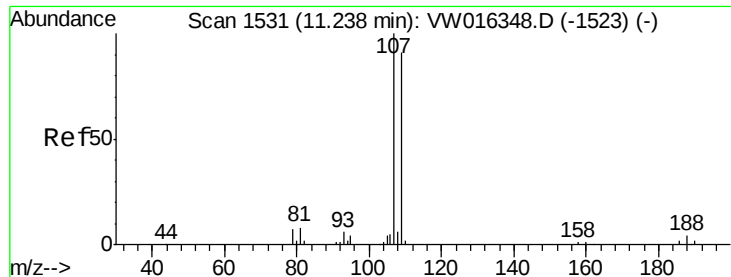
Tot Ion: 43 Resp: 80650
Ion Ratio Lower Upper
43 100
58 58.0 49.5 74.3
57 21.3 17.7 26.5
100 15.9 12.9 19.3



#50
Dibromochloromethane
Concen: 26.190 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW016354.D
Acq: 26 Aug 2020 09:03

Tgt Ion: 129 Resp: 102563
Ion Ratio Lower Upper
129 100
127 74.0 53.8 99.8

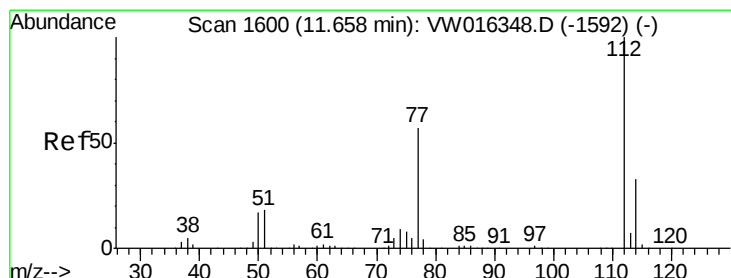
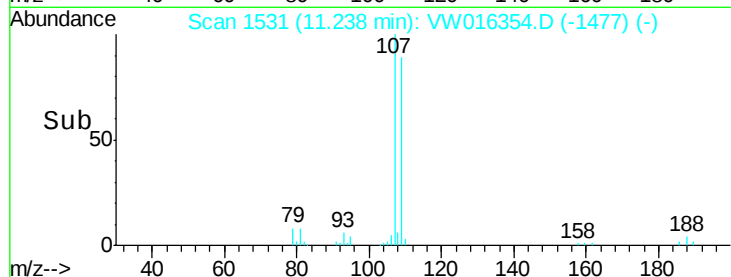
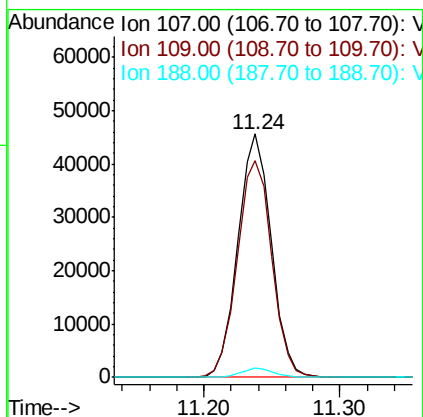
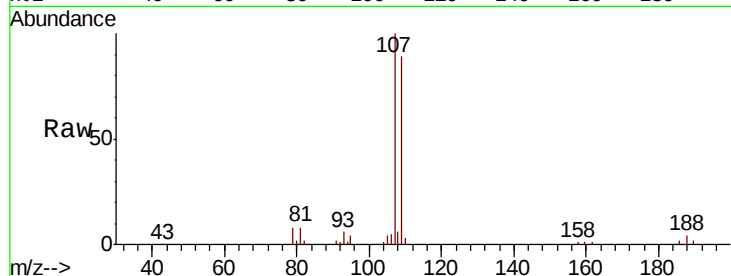




#51
1,2-Dibromoethane
Concen: 25.400 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW016354.D
Acq: 26 Aug 2020 09:03

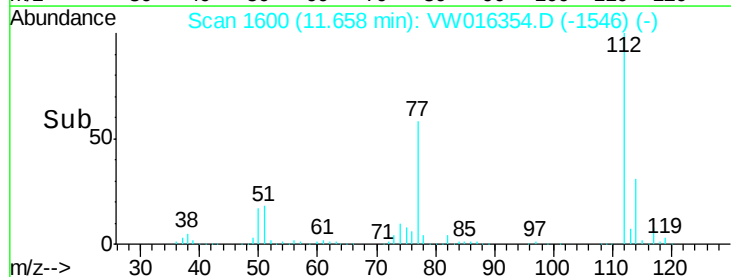
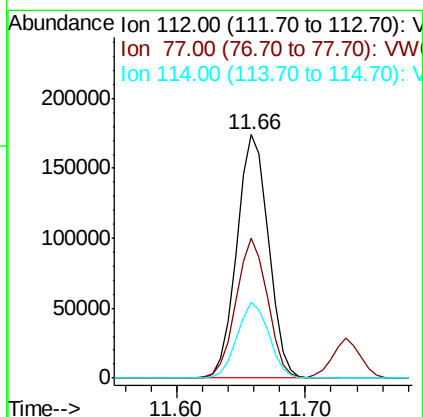
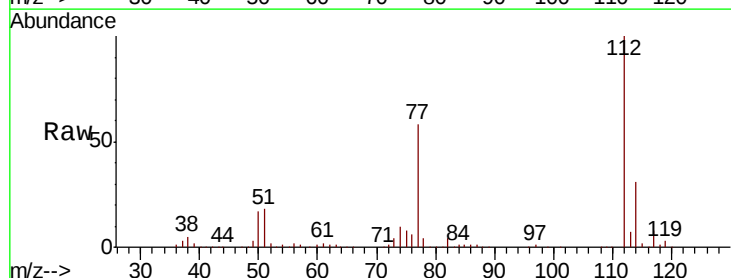
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

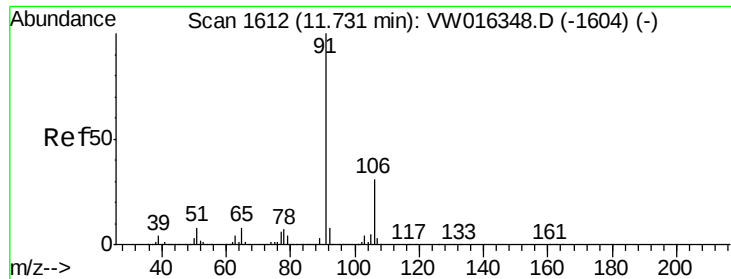
Tot Ion:107 Resp: 78174
Ion Ratio Lower Upper
107 100
109 89.2 65.7 121.9
188 4.0 3.3 4.9



#52
Chlorobenzene
Concen: 25.144 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016354.D
Acq: 26 Aug 2020 09:03

Tgt Ion:112 Resp: 296253
Ion Ratio Lower Upper
112 100
77 57.7 46.9 70.3
114 31.3 23.3 43.3

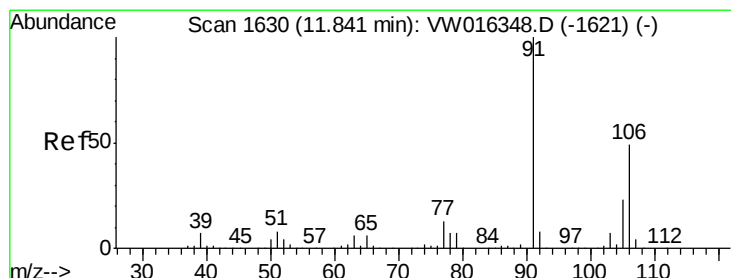
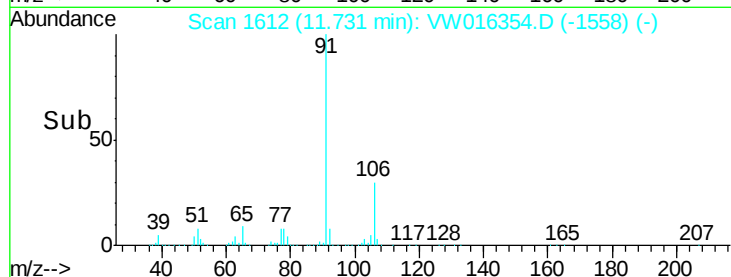
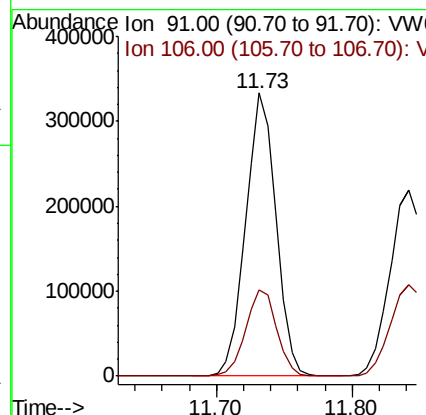
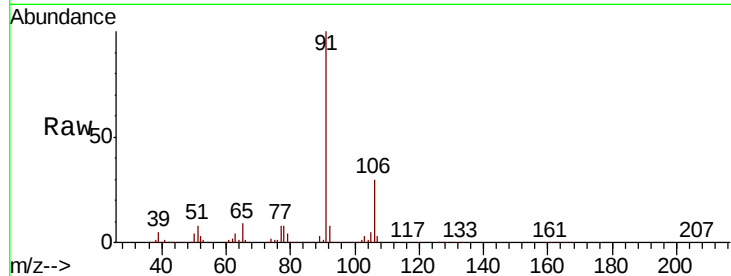




#53
Ethylbenzene
Concen: 25.695 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016354.D
Acq: 26 Aug 2020 09:03

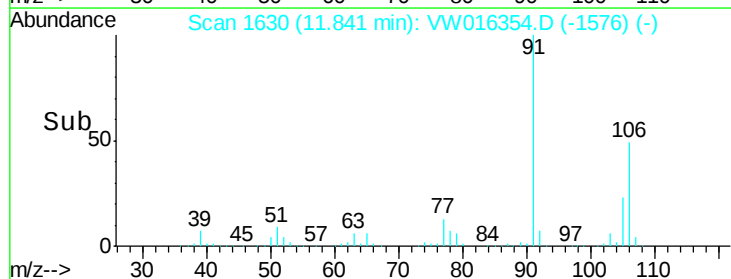
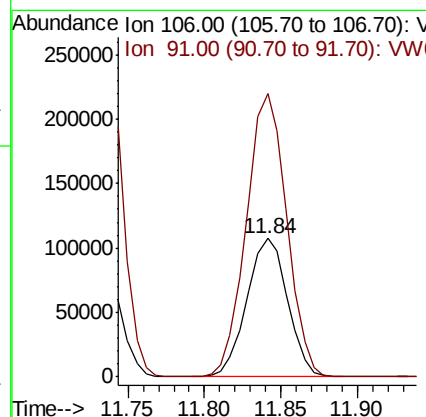
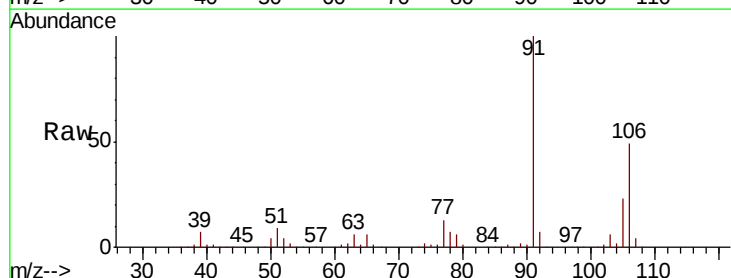
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

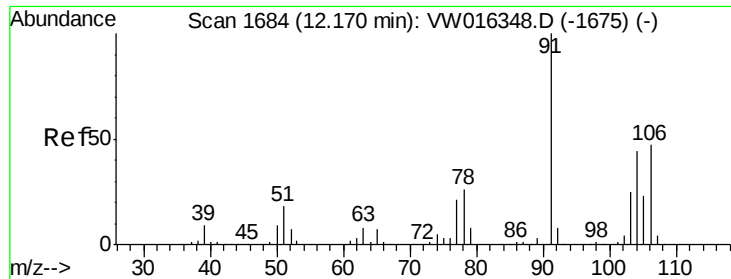
Tot Ion: 91 Resp: 521107
Ion Ratio Lower Upper
91 100
106 30.4 22.0 41.0



#54
m,p-Xylene
Concen: 25.533 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016354.D
Acq: 26 Aug 2020 09:03

Tgt Ion: 106 Resp: 199001
Ion Ratio Lower Upper
106 100
91 204.3 138.8 257.8

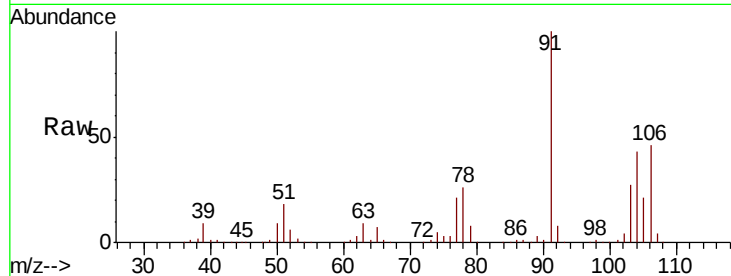




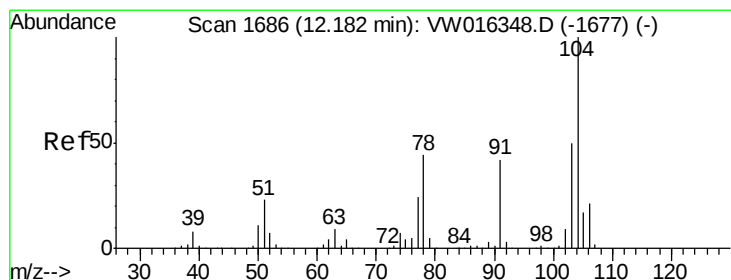
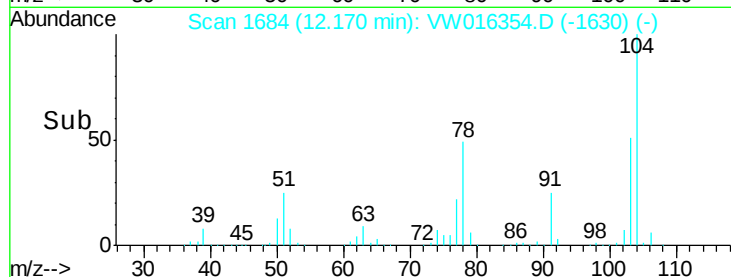
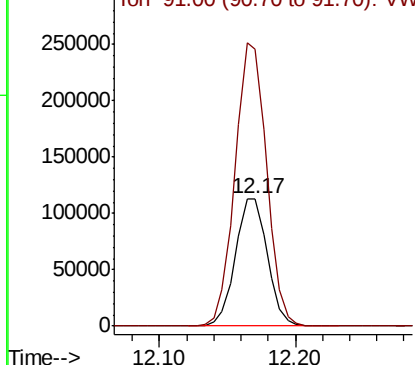
#55
o-xylene
Concen: 25.247 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016354.D
Acq: 26 Aug 2020 09:03

Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

Tot Ion:106 Resp: 184858
Ion Ratio Lower Upper
106 100
91 216.3 151.3 281.1

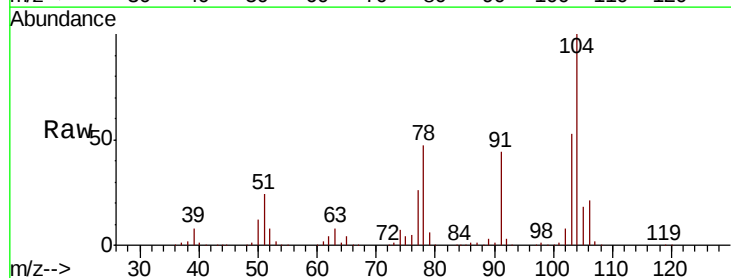


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

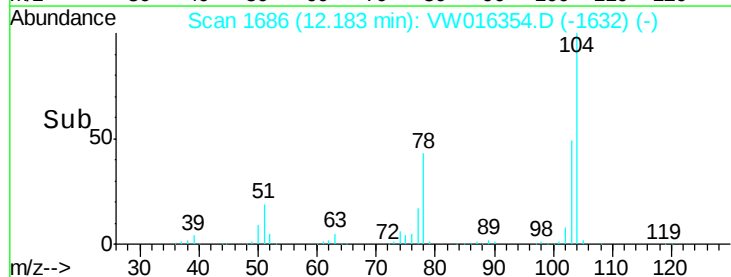
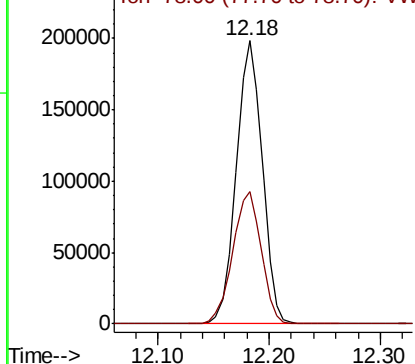


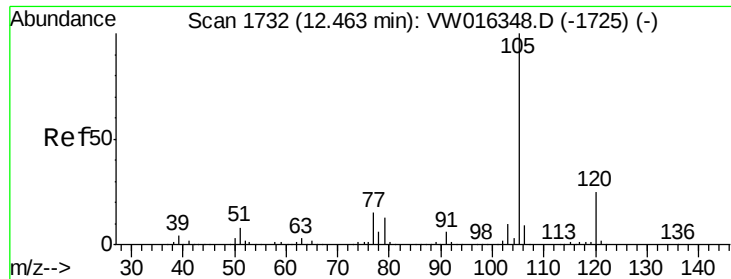
#56
Styrene
Concen: 26.045 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016354.D
Acq: 26 Aug 2020 09:03

Tgt Ion:104 Resp: 320894
Ion Ratio Lower Upper
104 100
78 46.7 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: 25.663 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW016354.D

Acq: 26 Aug 2020 09:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

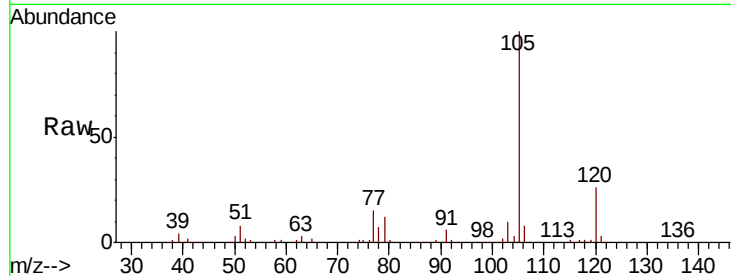
Tot Ion: 105 Resp: 523087

Ion Ratio Lower Upper

105 100

120 26.2 21.2 31.8

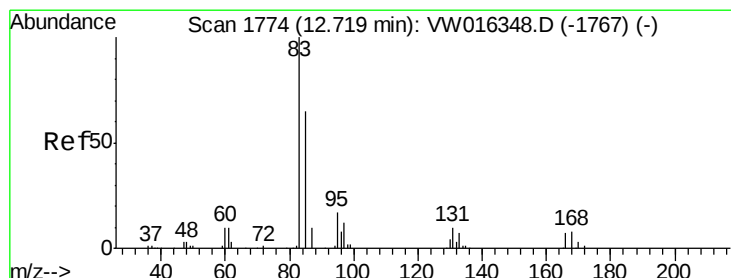
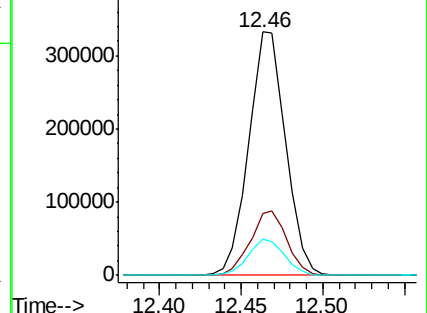
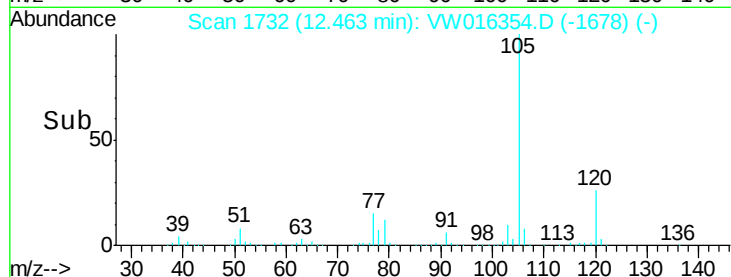
77 14.9 12.2 18.4



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: 25.039 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW016354.D

Acq: 26 Aug 2020 09:03

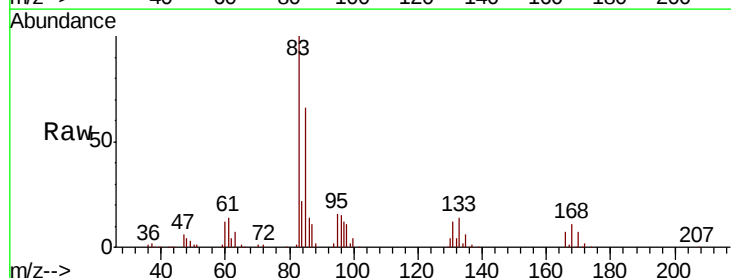
Tgt Ion: 83 Resp: 91871

Ion Ratio Lower Upper

83 100

85 65.8 46.0 85.4

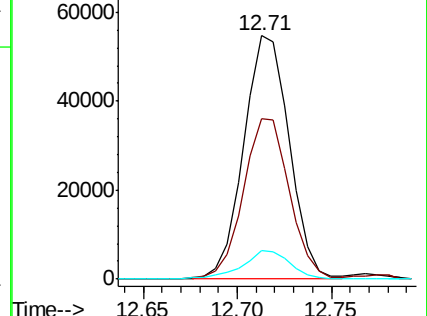
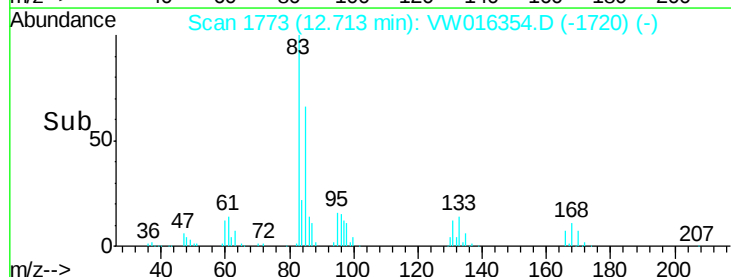
131 11.8 8.8 13.2

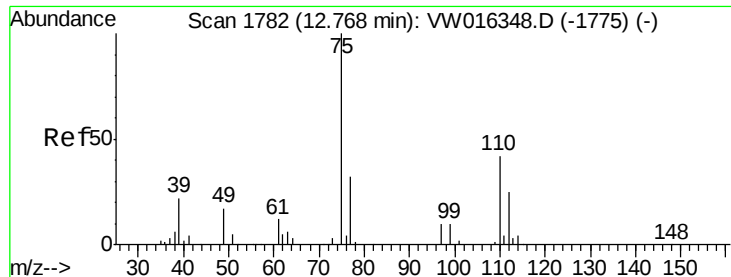


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

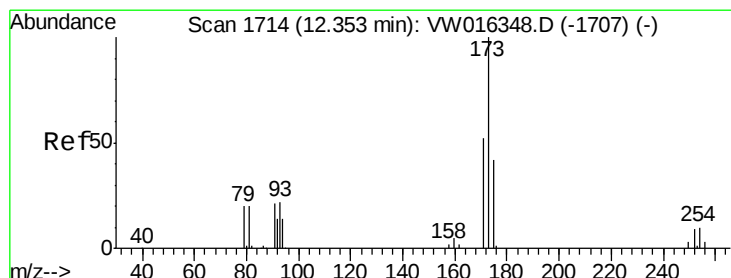
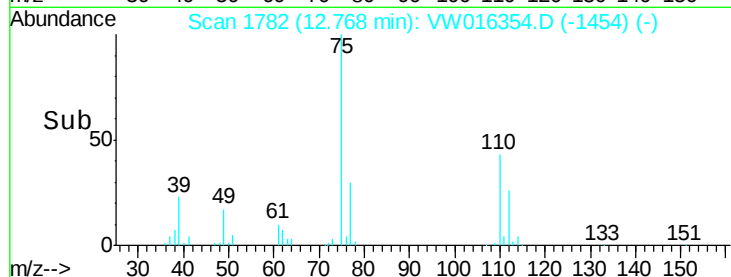
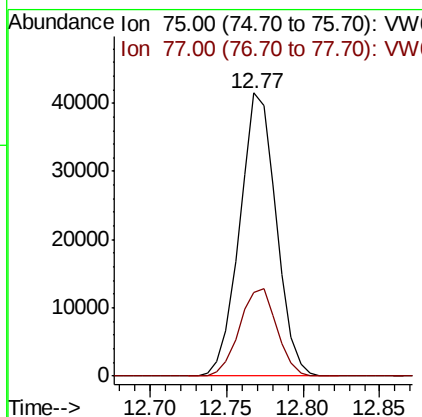
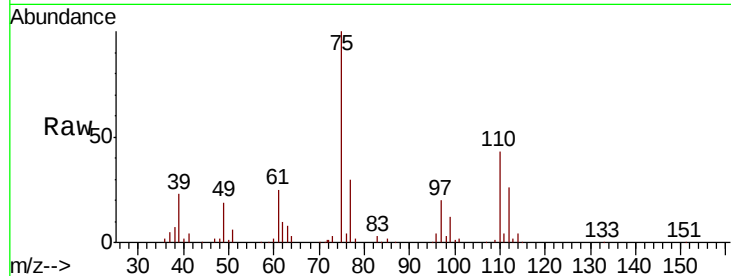




#59
 1,2,3-Trichloropropane
 Concen: 25.272 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW016354.D
 Acq: 26 Aug 2020 09:03

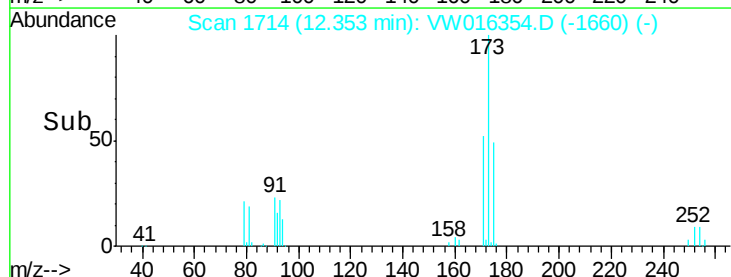
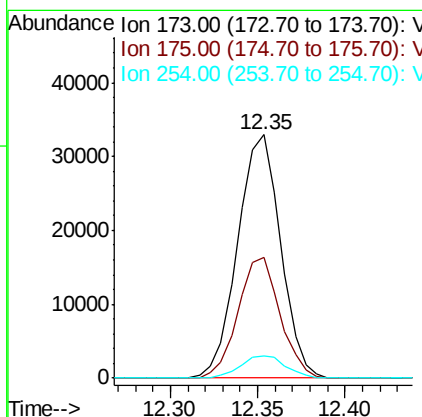
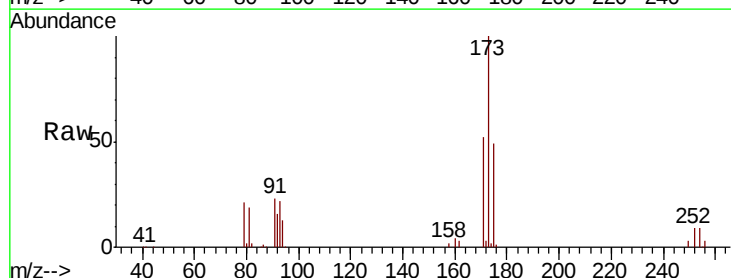
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

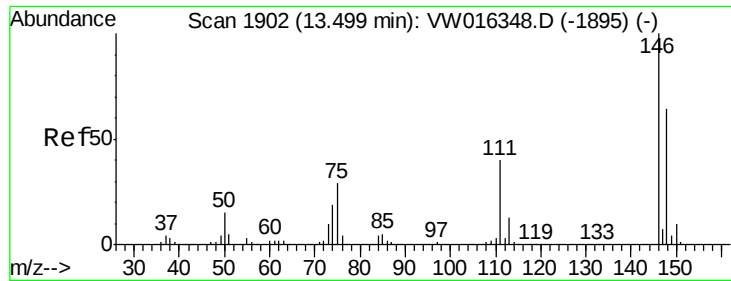
Tot Ion: 75 Resp: 68674
 Ion Ratio Lower Upper
 75 100
 77 31.8 27.1 40.7



#62
 Bromoform
 Concen: 25.309 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW016354.D
 Acq: 26 Aug 2020 09:03

Tgt Ion: 173 Resp: 56370
 Ion Ratio Lower Upper
 173 100
 175 48.4 39.0 58.4
 254 9.5 6.9 10.3

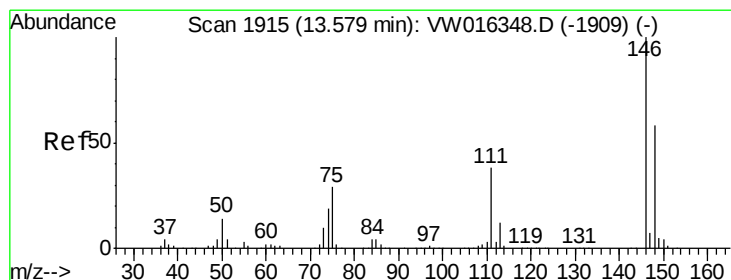
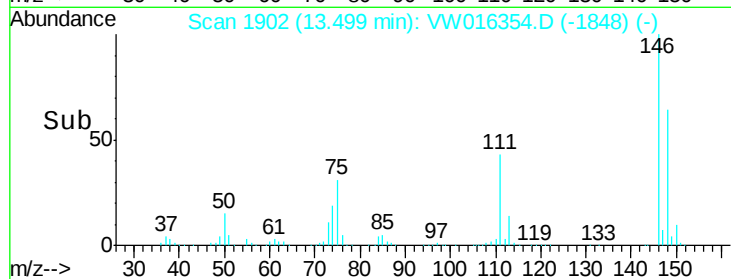
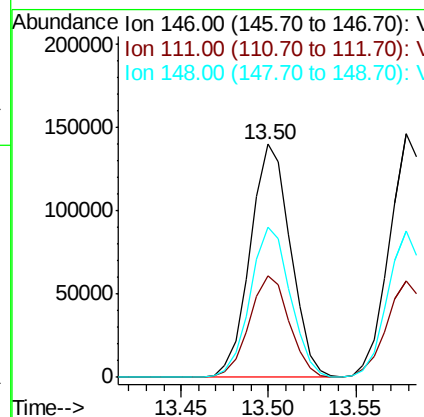
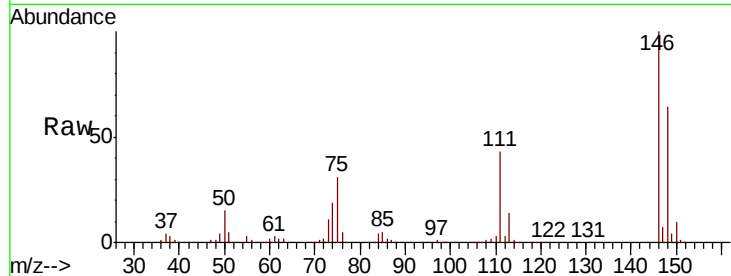




#63
 1,3-Dichlorobenzene
 Concen: 24.272 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016354.D
 Acq: 26 Aug 2020 09:03

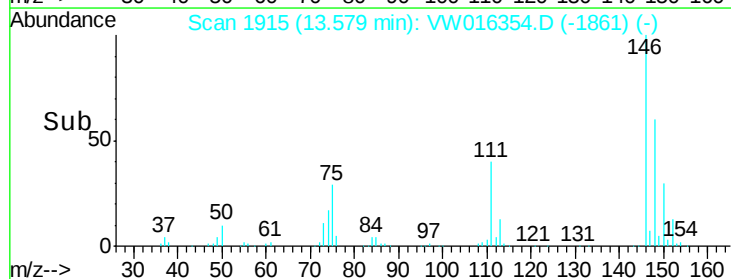
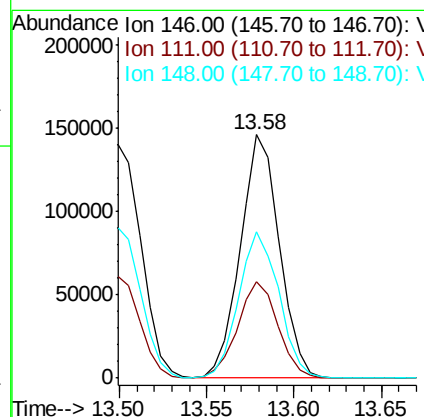
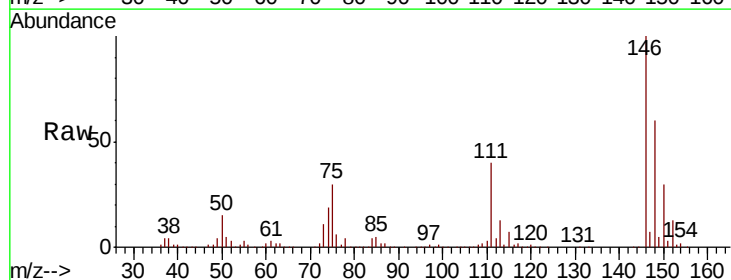
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

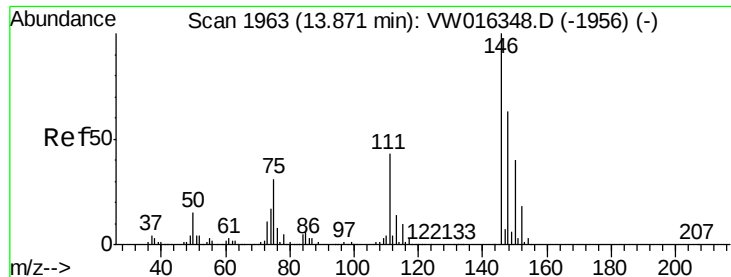
Tot Ion:146 Resp: 224169
 Ion Ratio Lower Upper
 146 100
 111 43.5 30.2 56.2
 148 64.2 45.1 83.7



#64
 1,4-Dichlorobenzene
 Concen: 24.251 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016354.D
 Acq: 26 Aug 2020 09:03

Tgt Ion:146 Resp: 226901
 Ion Ratio Lower Upper
 146 100
 111 39.6 28.0 52.0
 148 60.0 41.4 76.8





#65

1,2-Dichlorobenzene

Concen: 25.399 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW016354.D

Acq: 26 Aug 2020 09:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

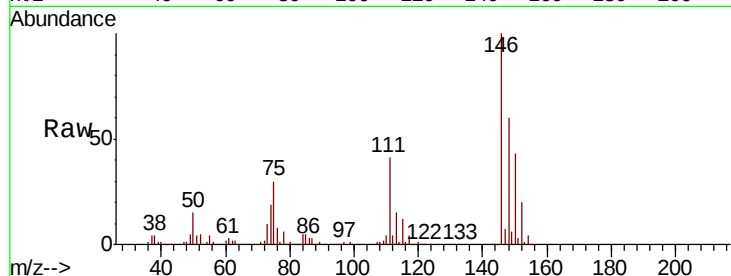
Tot Ion:146 Resp: 209468

Ion Ratio Lower Upper

146 100

111 41.4 36.9 55.3

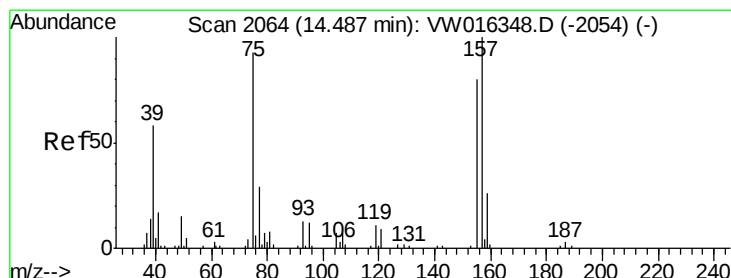
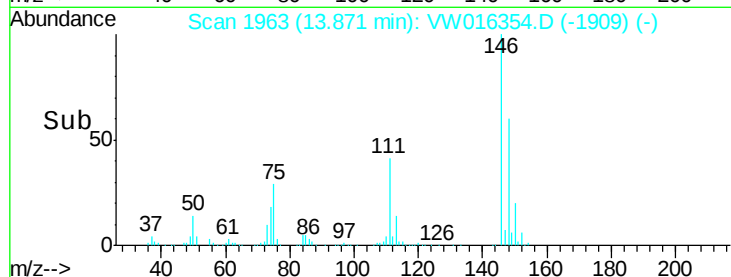
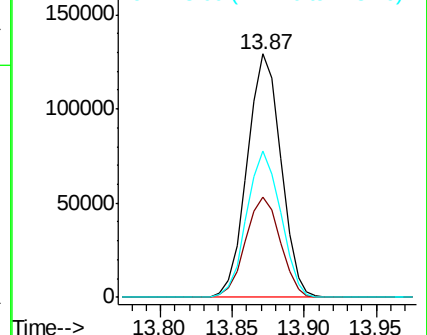
148 59.9 51.4 77.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 24.888 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW016354.D

Acq: 26 Aug 2020 09:03

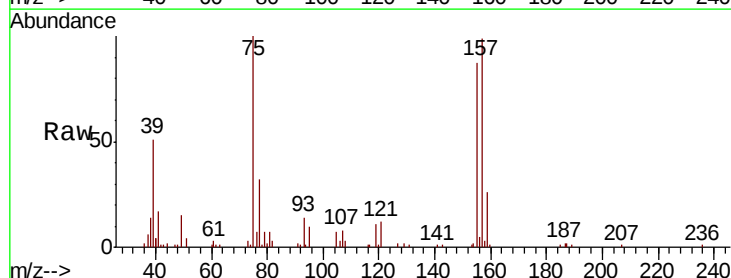
Tgt Ion: 75 Resp: 16135

Ion Ratio Lower Upper

75 100

157 99.5 82.2 123.4

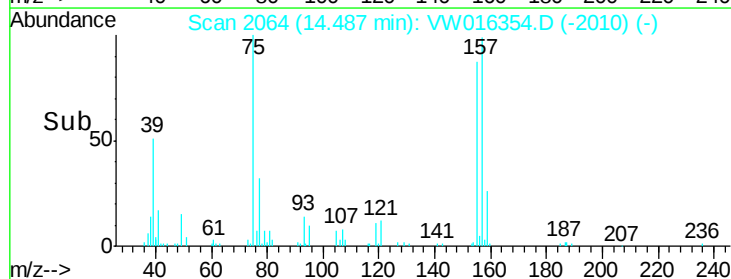
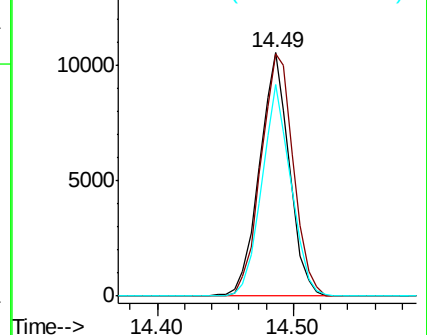
155 86.9 66.8 100.2

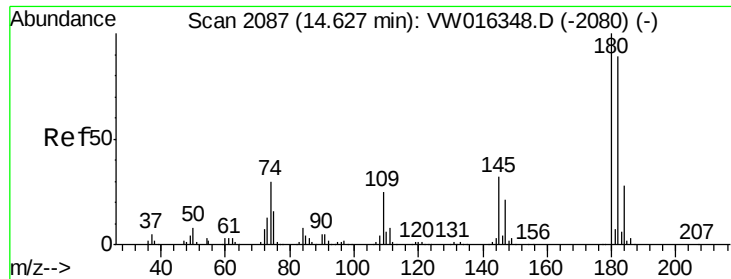


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

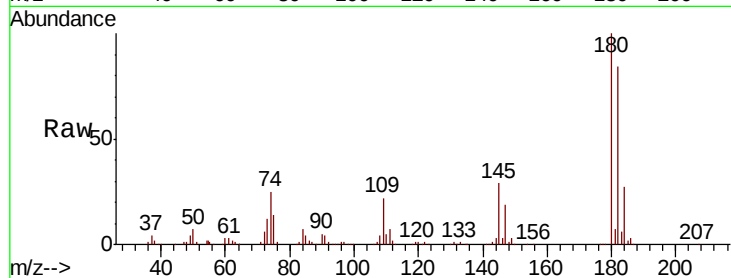




#67
 1,3,5-Trichlorobenzene
 Concen: 24.675 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW016354.D
 Acq: 26 Aug 2020 09:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.5	77.4	116.2
184	29.4	24.4	36.6
145	32.6	25.6	38.4



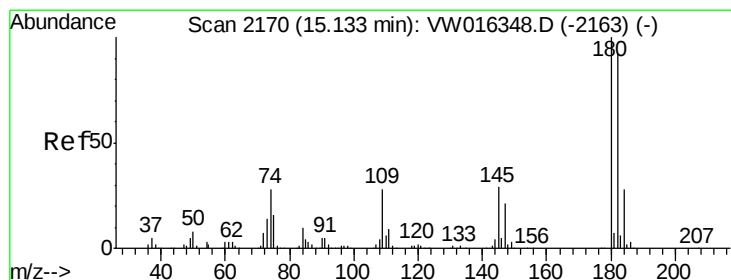
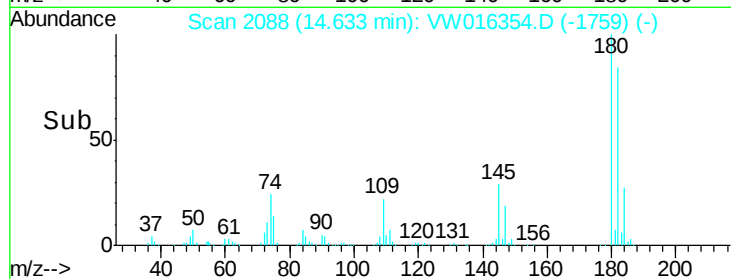
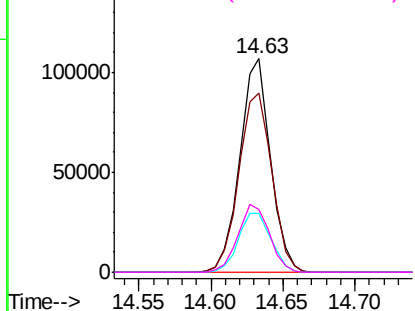
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

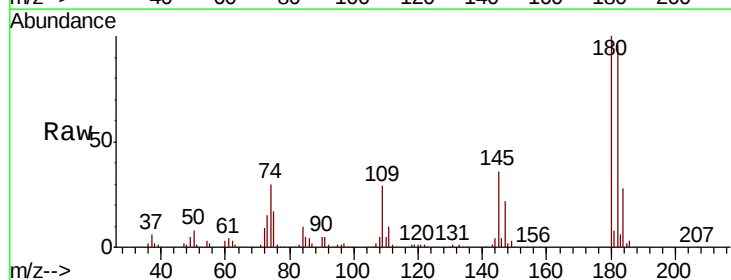
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.277 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016354.D
 Acq: 26 Aug 2020 09:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.5	114.7
145	34.2	26.0	39.0

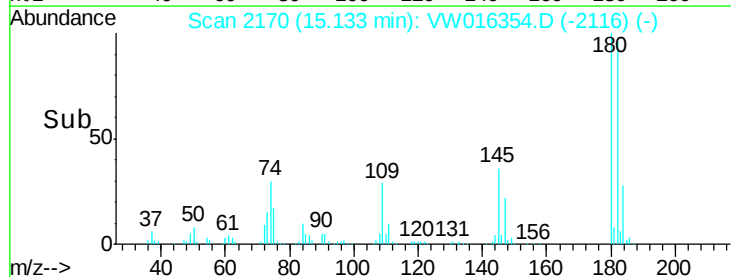
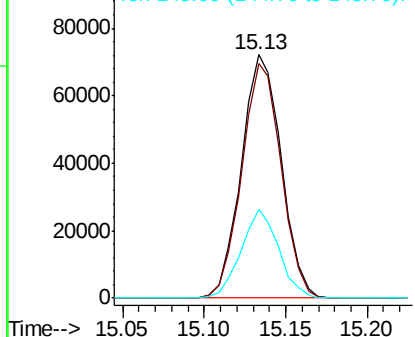


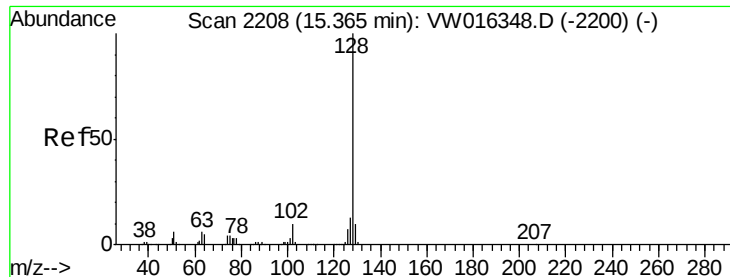
Abundance

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: 25.100 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW016354.D

Acq: 26 Aug 2020 09:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

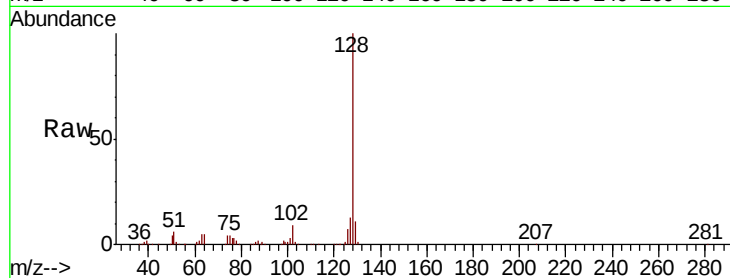
Tot Ion:128 Resp: 249437

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

127 13.0 10.3 15.5

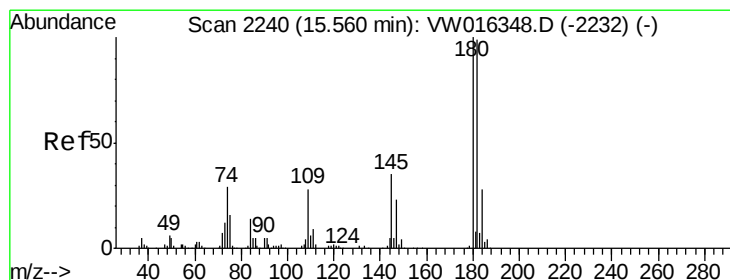
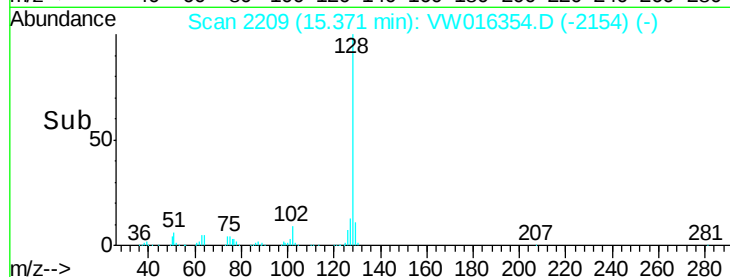
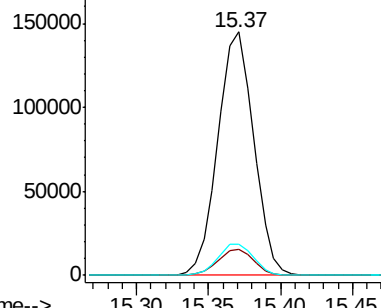


Abundance

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: 24.511 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW016354.D

Acq: 26 Aug 2020 09:03

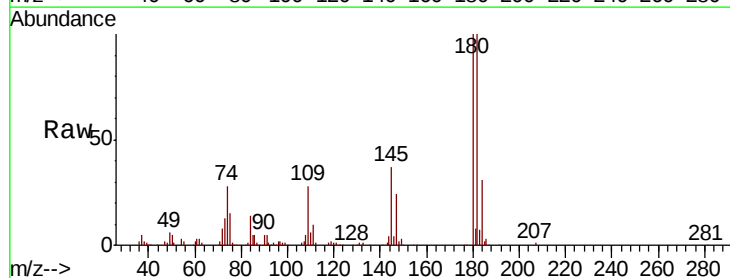
Tgt Ion:180 Resp: 109056

Ion Ratio Lower Upper

180 100

182 97.3 77.0 115.4

145 35.3 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

