

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081320\
 Data File : VW016180.D
 Acq On : 13 Aug 2020 17:29
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

Quant Time: Aug 14 06:22:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 14 06:19:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	450129	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	408336	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	195403	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	96654	17.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.28%
7) Chloroethane-d5	2.89	69	77942	18.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.60%
10) 1,1-Dichloroethene-d2	4.01	63	233909	19.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.92%
20) 2-Butanone-d5	7.09	46	59299	40.38	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.76%
24) Chloroform-d	7.65	84	244234	20.22	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	80.88%
26) 1,2-Dichloroethane-d4	8.31	65	121914	19.00	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	76.00%
29) Benzene-d6	8.27	84	479824	21.60	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.40%
33) 1,2-Dichloropropane-d6	9.27	67	140152	21.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	85.84%
37) Toluene-d8	10.32	98	445380	21.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.44%
38) trans-1,3-Dichloropropene-	10.58	79	59565	20.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.16%
39) 2-Hexanone-d5	10.93	63	48325	42.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.76%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	118623	22.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	150817	21.77	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.08%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	104151	22.904	ug/L 99
3) Chloromethane	2.21	50	89883	19.905	ug/L 100
5) Vinyl chloride	2.37	62	127796	21.323	ug/L 99
6) Bromomethane	2.78	94	77184	20.563	ug/L 100
8) Chloroethane	2.93	64	71401	21.157	ug/L 98
9) Trichlorofluoromethane	3.26	101	90636	21.187	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	139940	23.147	ug/L # 86
12) 1,1-Dichloroethene	4.03	96	135786	23.503	ug/L 93
13) Acetone	4.14	43	42022	37.827	ug/L 90
14) Carbon disulfide	4.38	76	413788	22.817	ug/L 99
15) Methyl Acetate	4.68	43	53836	20.611	ug/L 97
16) Methylene chloride	4.92	84	151333	21.292	ug/L 95
17) Methyl tert-butyl Ether	5.43	73	176058	21.505	ug/L 98
18) trans-1,2-Dichloroethene	5.42	96	142594	23.464	ug/L 92
19) 1,1-Dichloroethane	6.21	63	240212	22.340	ug/L 96
21) 2-Butanone	7.18	43	68211	38.742	ug/L 96
22) cis-1,2-Dichloroethene	7.17	96	149218	23.276	ug/L 96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081320\
 Data File : VW016180.D
 Acq On : 13 Aug 2020 17:29
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

Quant Time: Aug 14 06:22:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 14 06:19:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

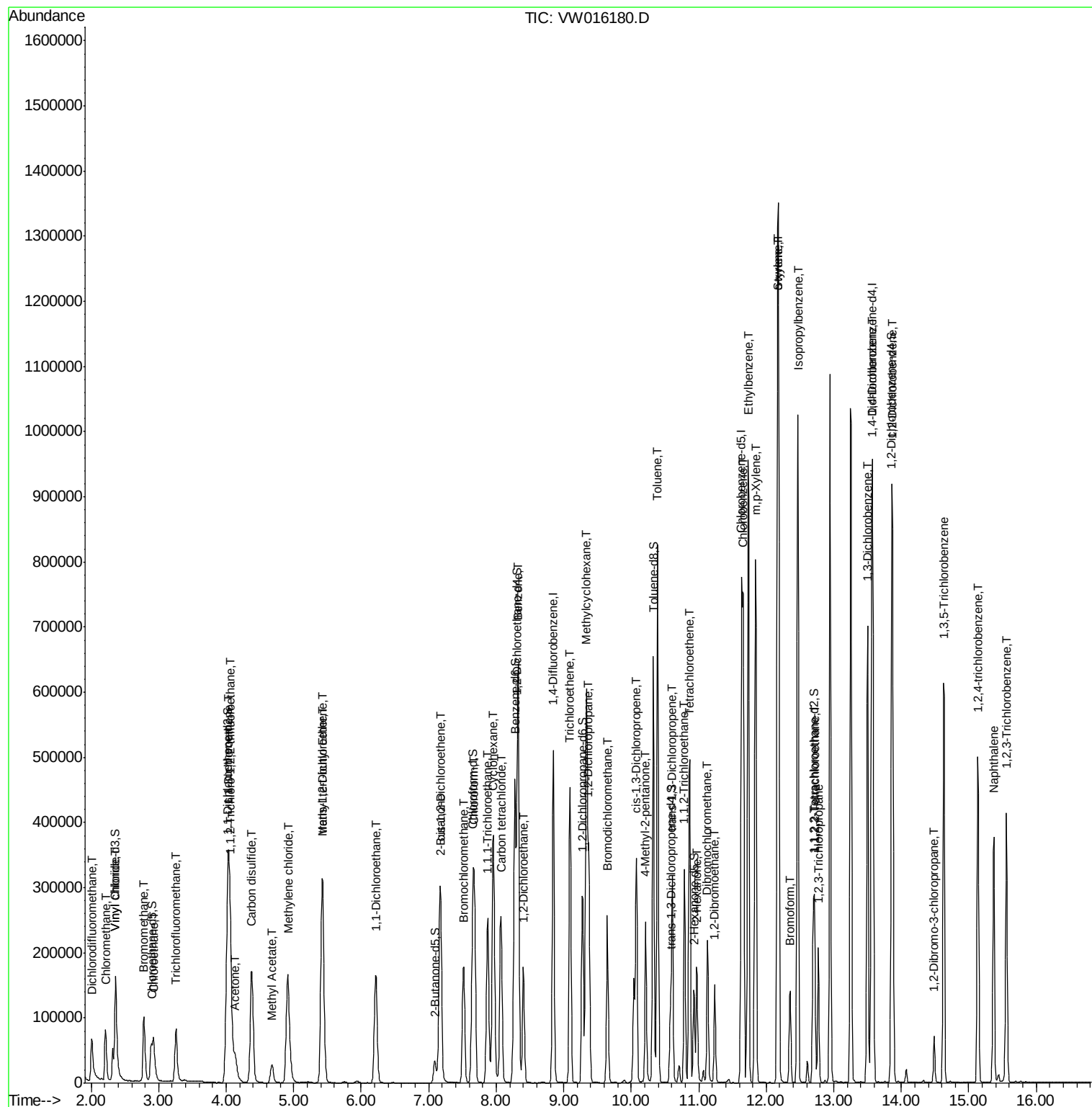
23) Bromochloromethane	7.52	128	68205	23.180	ug/L #	87
25) Chloroform	7.68	83	253413	22.153	ug/L	100
27) 1,2-Dichloroethane	8.40	62	156564	20.546	ug/L	98
30) Cyclohexane	7.96	56	215666	24.274	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	210711	22.457	ug/L	98
32) Carbon tetrachloride	8.07	117	199864	22.521	ug/L	97
34) Benzene	8.32	78	565462	24.014	ug/L	100
35) Trichloroethene	9.09	95	163693	25.853	ug/L	98
36) Methylcyclohexane	9.34	83	254092	24.360	ug/L	98
40) 1,2-Dichloropropane	9.37	63	136192	23.552	ug/L	100
41) Bromodichloromethane	9.65	83	178212	22.435	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	205971	23.388	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	152701	43.904	ug/L	98
44) Toluene	10.39	91	610650	24.566	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	182371	23.053	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	105226	23.117	ug/L	98
47) Tetrachloroethene	10.87	164	115787	24.393	ug/L	94
49) 2-Hexanone	10.97	43	106700	45.464	ug/L	98
50) Dibromochloromethane	11.13	129	121670	22.695	ug/L	100
51) 1,2-Dibromoethane	11.24	107	100420	23.271	ug/L	97
52) Chlorobenzene	11.66	112	388551	23.625	ug/L	98
53) Ethylbenzene	11.73	91	675529	23.953	ug/L	98
54) m,p-Xylene	11.84	106	262389	24.733	ug/L	93
55) o-xylene	12.17	106	248953	24.913	ug/L	91
56) Styrene	12.18	104	436244	25.216	ug/L	99
57) Isopropylbenzene	12.47	105	664262	24.655	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	122758	23.114	ug/L	94
59) 1,2,3-Trichloropropane	12.77	75	89699	22.293	ug/L	100
62) Bromoform	12.35	173	64979	21.991	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	288563	23.381	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	289922	23.060	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	266599	23.560	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	19327	19.478	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	187140	24.031	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	155017	24.560	ug/L	97
69) Naphthalene	15.37	128	325183	24.408	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	137769	24.026	ug/L	99

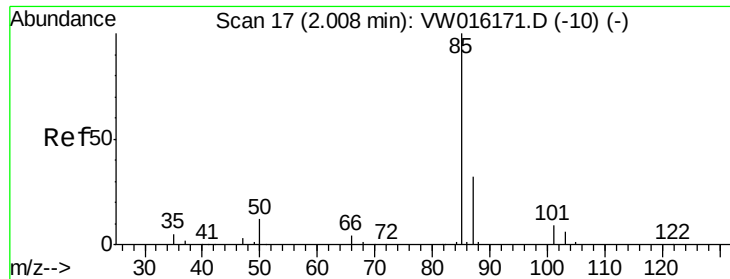
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081320\
Data File : VW016180.D
Acq On : 13 Aug 2020 17:29
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

Quant Time: Aug 14 06:22:02 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 14 06:19:29 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 22.904 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW016180.D

Acq: 13 Aug 2020 17:29

Instrument :

MSVOA_W

ClientSampleId :

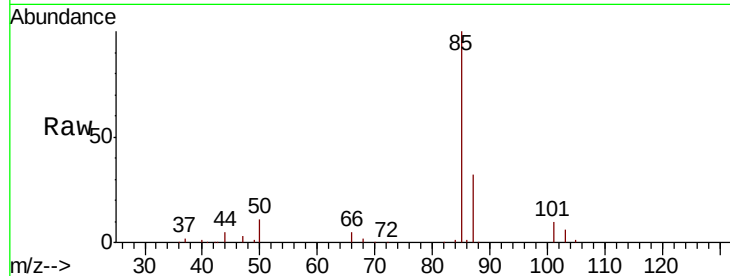
VSTD02514

Tot Ion: 85 Resp: 104151

Ion Ratio Lower Upper

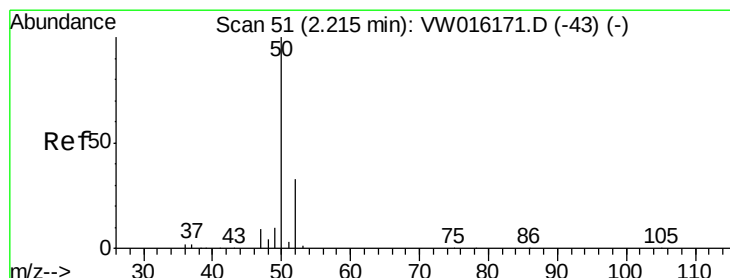
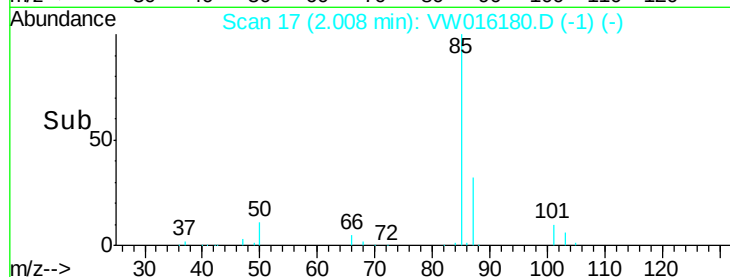
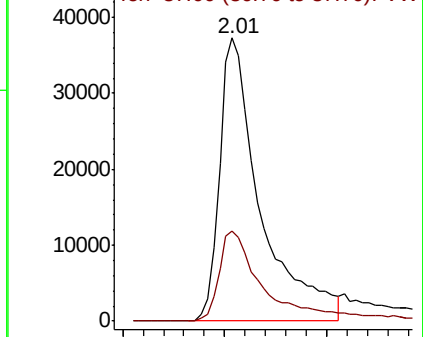
85 100

87 32.3 22.0 41.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 19.905 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW016180.D

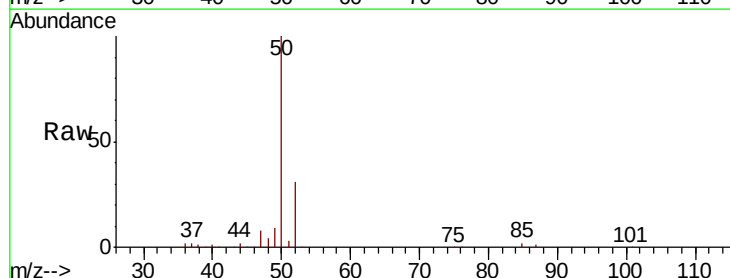
Acq: 13 Aug 2020 17:29

Tgt Ion: 50 Resp: 89883

Ion Ratio Lower Upper

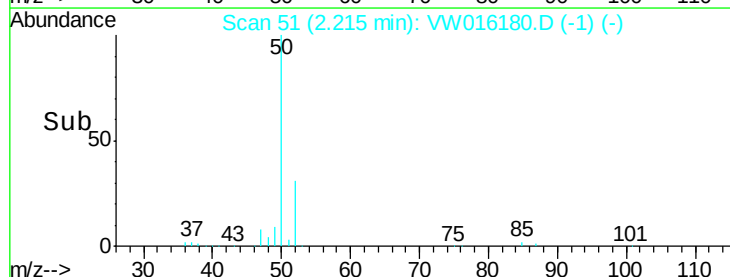
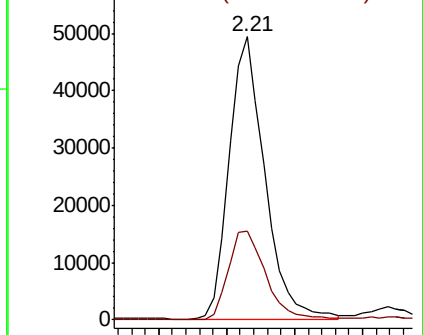
50 100

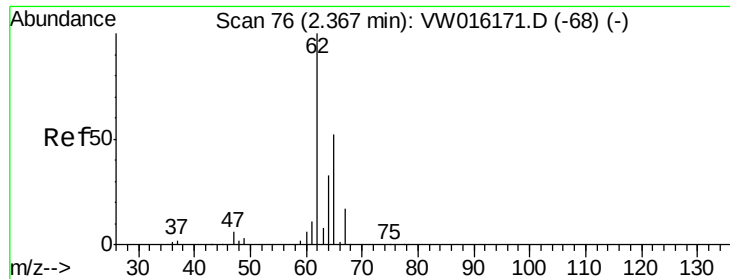
52 31.4 22.0 40.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 21.323 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW016180.D

Acq: 13 Aug 2020 17:29

Instrument :

MSVOA_W

ClientSampleId :

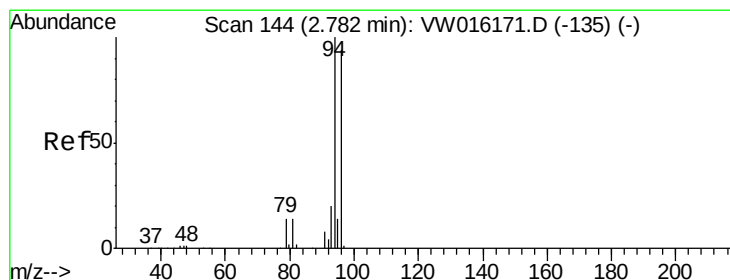
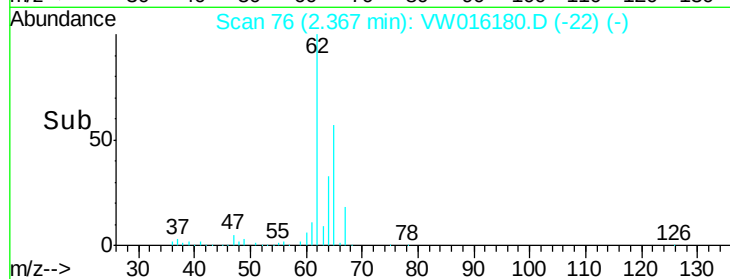
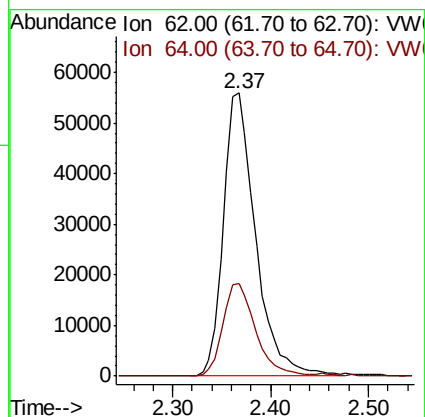
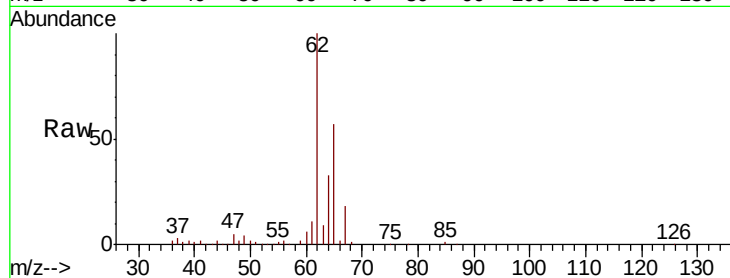
VSTD02514

Tot Ion: 62 Resp: 127796

Ion Ratio Lower Upper

62 100

64 32.6 23.0 42.8



#6

Bromomethane

Concen: 20.563 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW016180.D

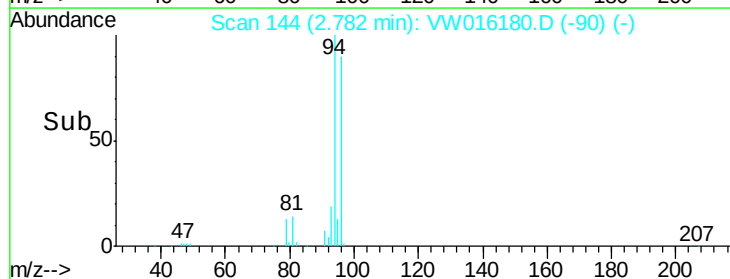
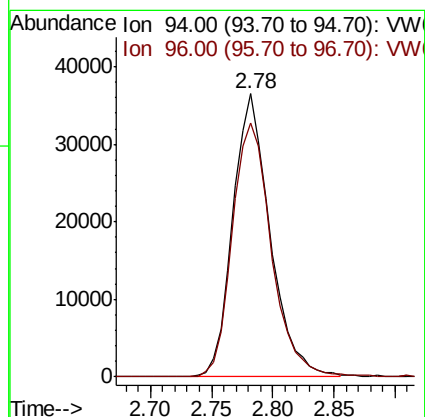
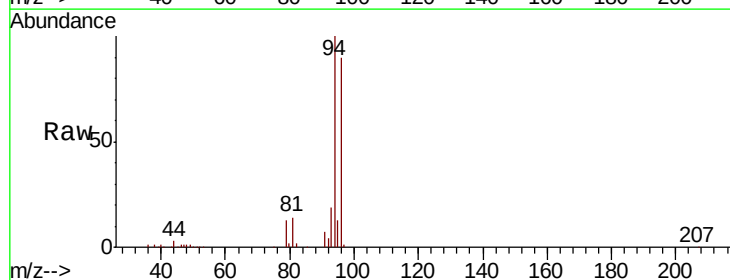
Acq: 13 Aug 2020 17:29

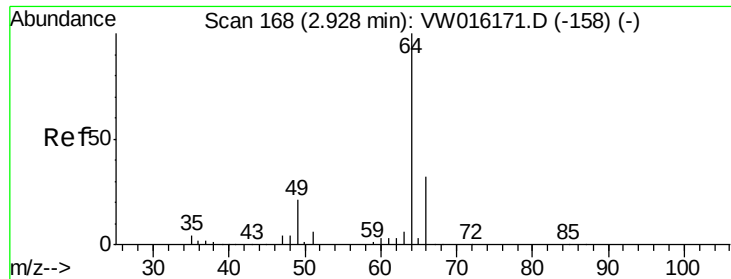
Tgt Ion: 94 Resp: 77184

Ion Ratio Lower Upper

94 100

96 94.1 9.4 178.2





#8

Chloroethane

Concen: 21.157 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW016180.D

Acq: 13 Aug 2020 17:29

Instrument :

MSVOA_W

ClientSampleId :

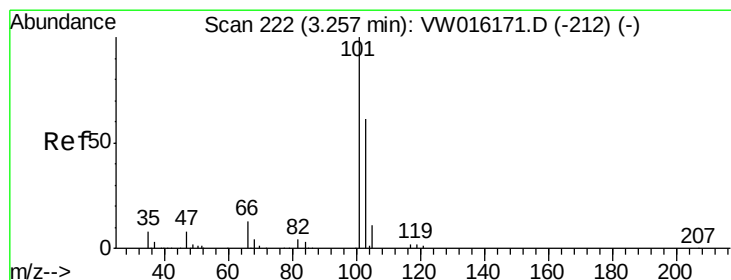
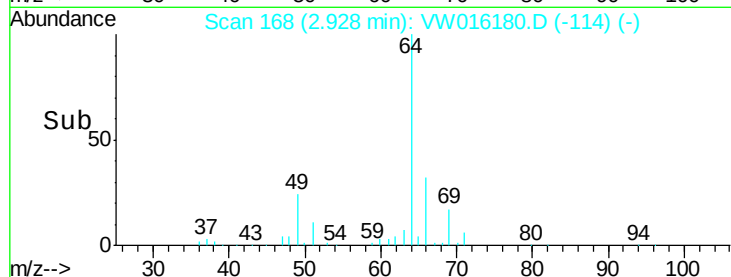
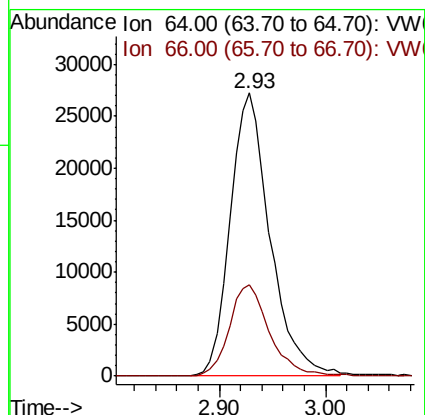
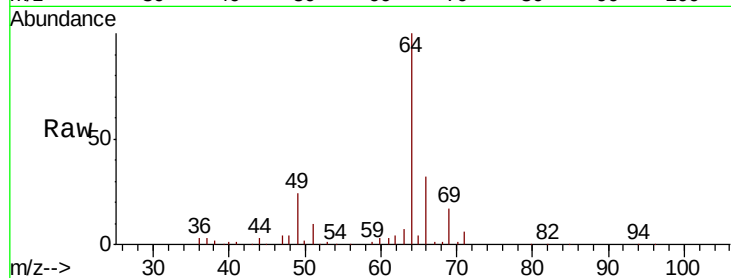
VSTD02514

Tot Ion: 64 Resp: 71401

Ion Ratio Lower Upper

64 100

66 32.2 21.8 40.4



#9

Trichlorofluoromethane

Concen: 21.187 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW016180.D

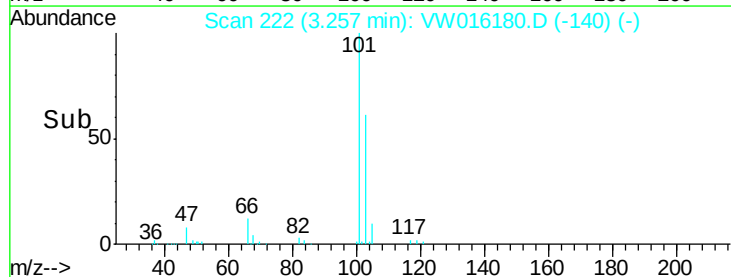
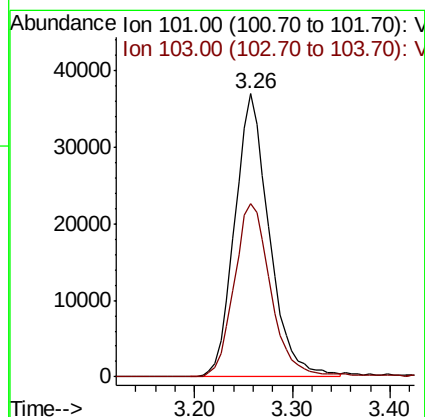
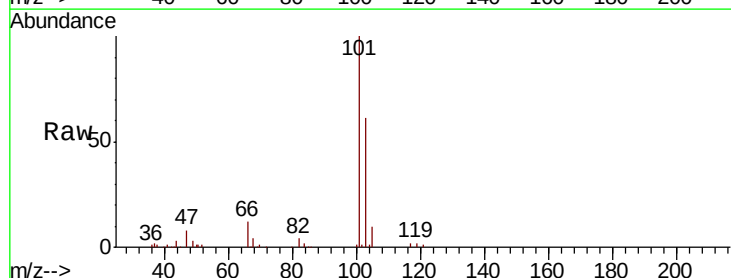
Acq: 13 Aug 2020 17:29

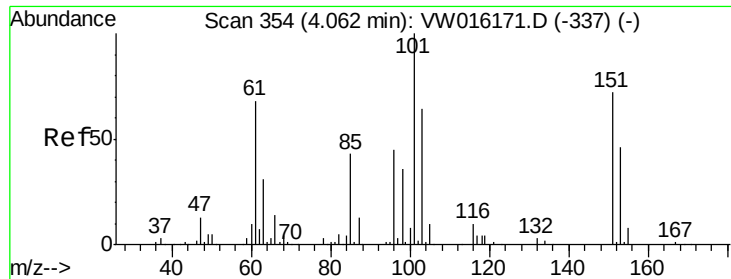
Tgt Ion: 101 Resp: 90636

Ion Ratio Lower Upper

101 100

103 64.2 45.6 84.6





#11

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

Concen: 23.147 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW016180.D

Acq: 13 Aug 2020 17:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

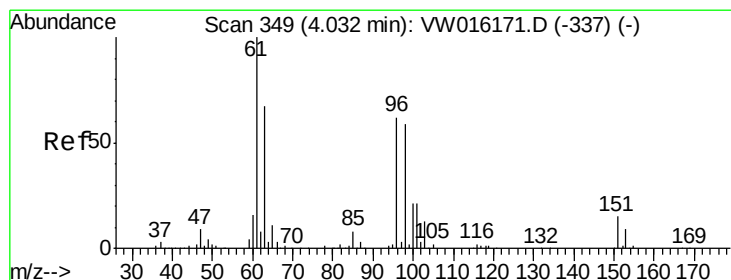
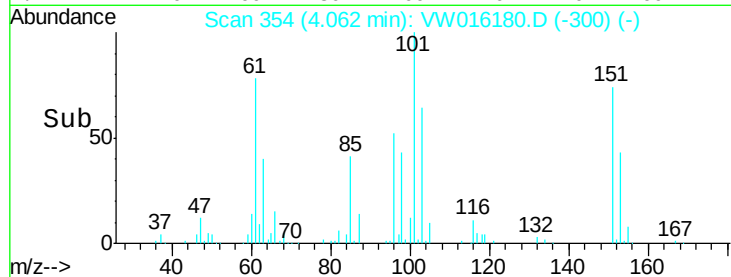
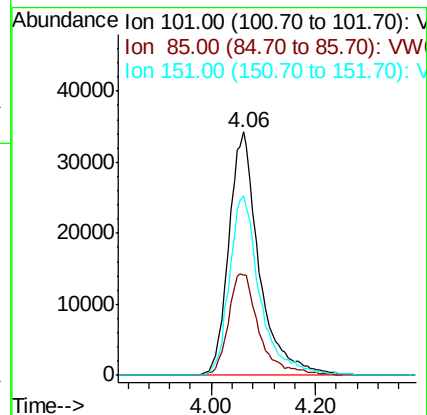
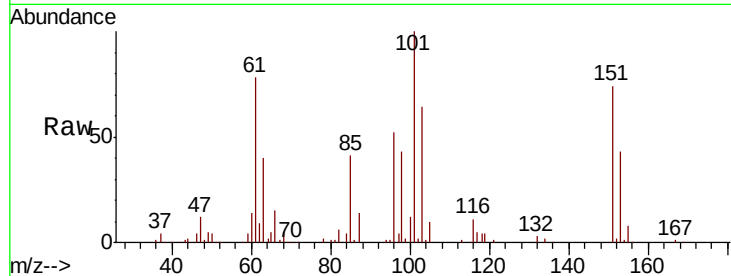
Tot Ion:101 Resp: 139940

Ion Ratio Lower Upper

101 100

85 22.0 34.2 51.4#

151 74.0 57.4 86.2



#12

1,1-Dichloroethene

Concen: 23.503 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.00 min

Lab File: VW016180.D

Acq: 13 Aug 2020 17:29

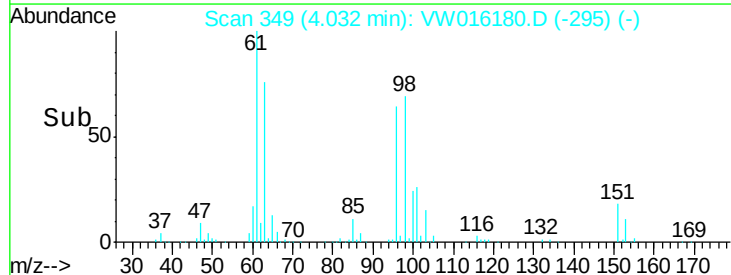
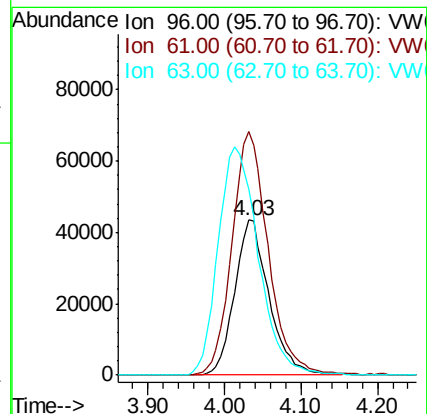
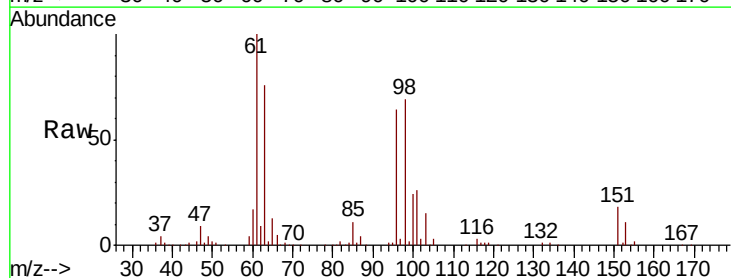
Tgt Ion: 96 Resp: 135786

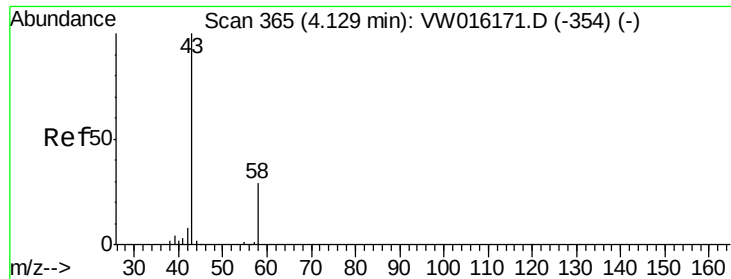
Ion Ratio Lower Upper

96 100

61 157.0 120.2 223.2

63 120.0 86.4 160.4





#13

Acetone

Concen: 37.827 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW016180.D

Acq: 13 Aug 2020 17:29

Instrument :

MSVOA_W

ClientSampleId :

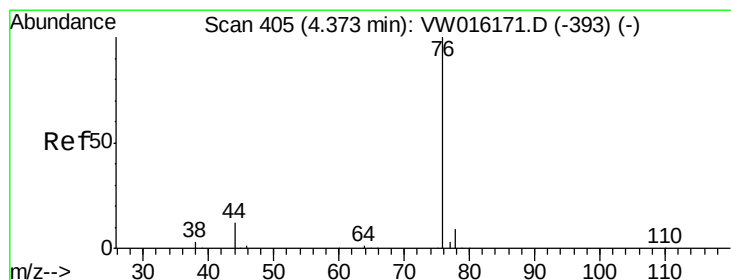
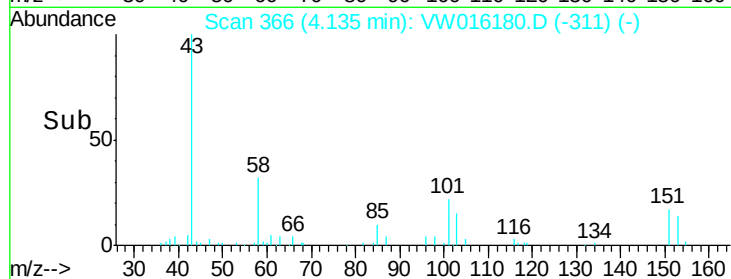
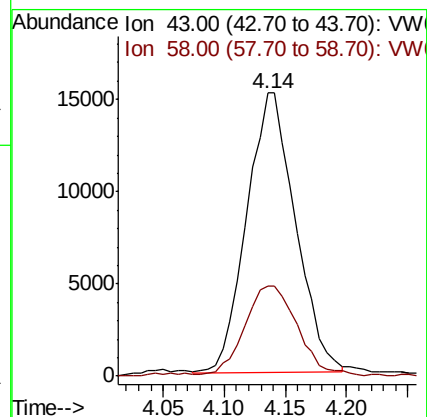
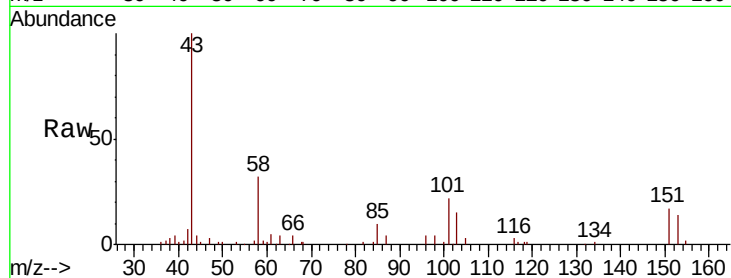
VSTD02514

Tot Ion: 43 Resp: 42022

Ion Ratio Lower Upper

43 100

58 35.0 0.0 59.4



#14

Carbon disulfide

Concen: 22.817 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW016180.D

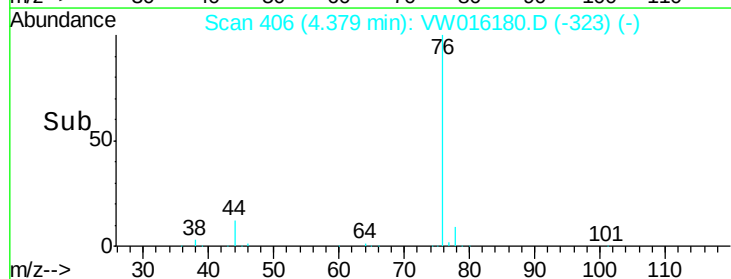
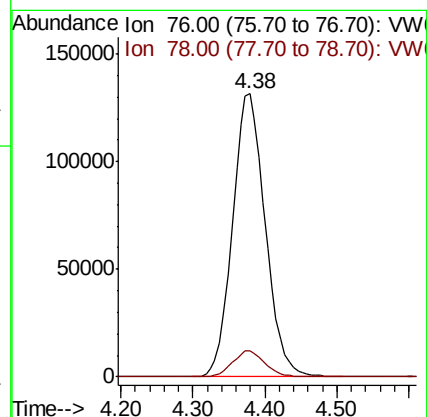
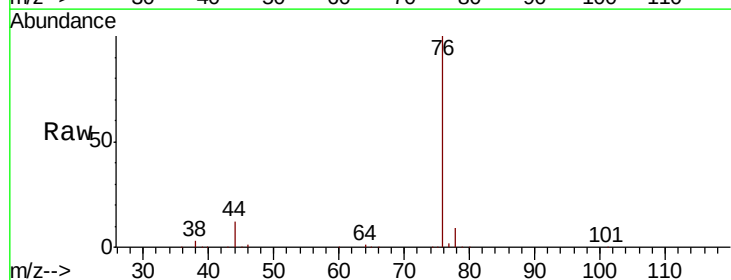
Acq: 13 Aug 2020 17:29

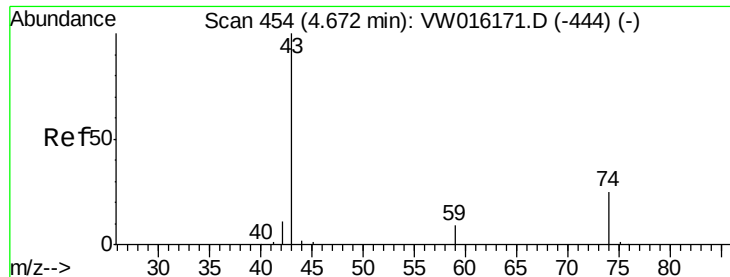
Tgt Ion: 76 Resp: 413788

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.4

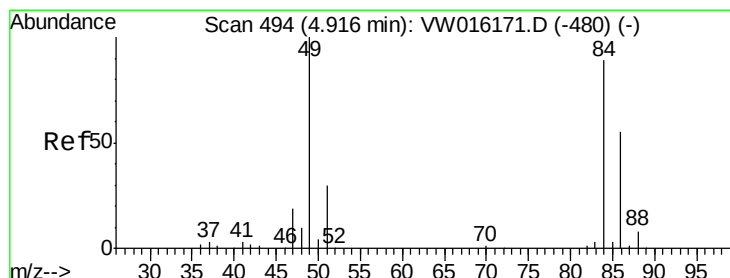
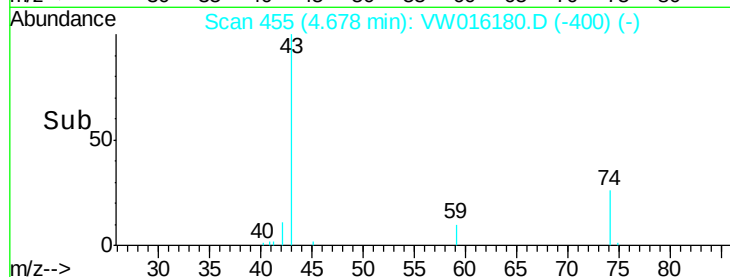
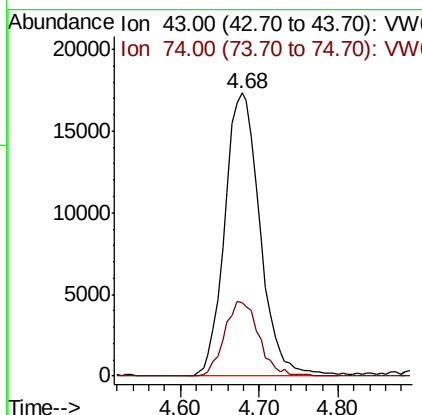
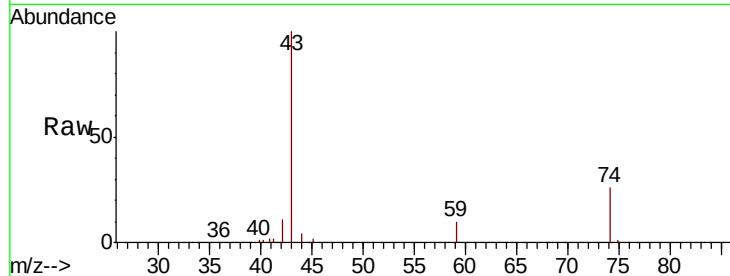




#15
Methvl Acetate
Concen: 20.611 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW016180.D
Acq: 13 Aug 2020 17:29

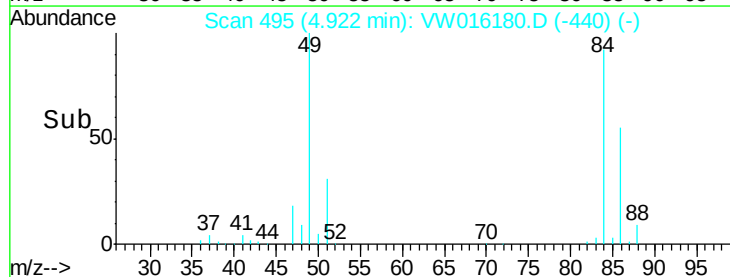
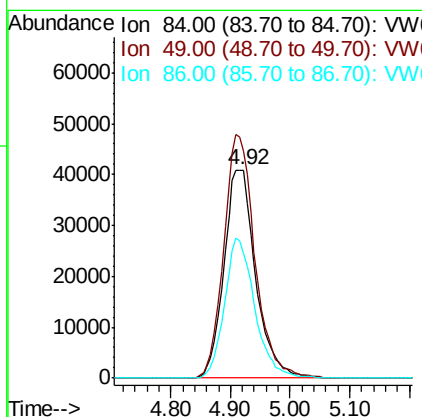
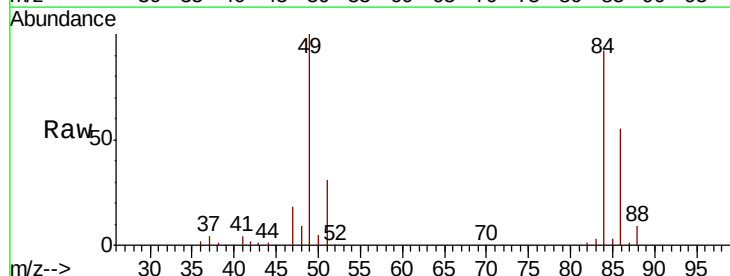
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

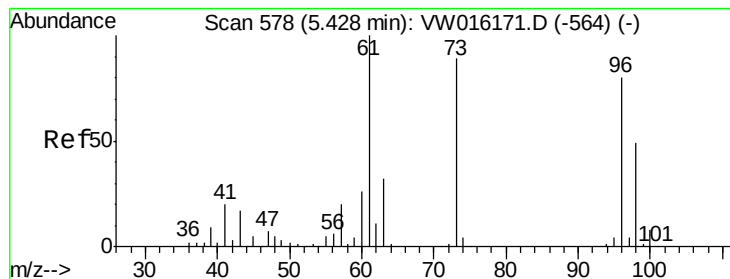
Tot Ion: 43 Resp: 53836
Ion Ratio Lower Upper
43 100
74 25.2 18.9 28.3



#16
Methylene chloride
Concen: 21.292 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW016180.D
Acq: 13 Aug 2020 17:29

Tgt Ion: 84 Resp: 151333
Ion Ratio Lower Upper
84 100
49 108.9 80.4 149.4
86 59.9 43.8 81.3





#17

Methyl tert-butyl Ether

Concen: 21.505 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW016180.D

Acq: 13 Aug 2020 17:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

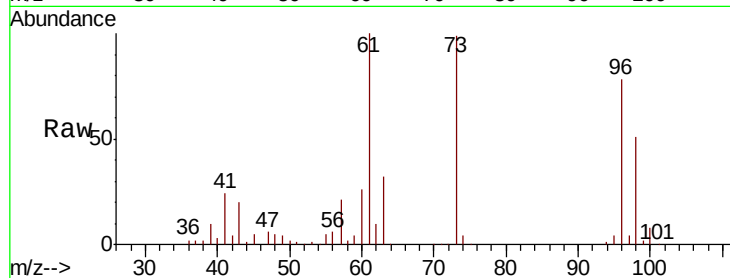
Tot Ion: 73 Resp: 176058

Ion Ratio Lower Upper

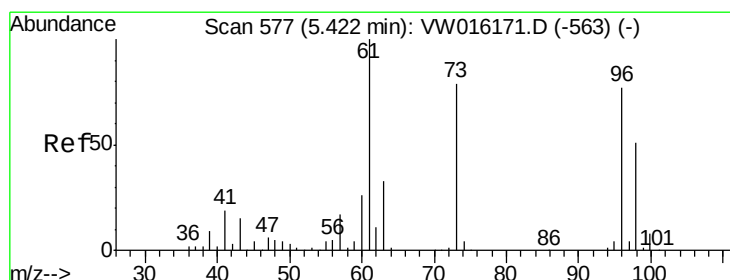
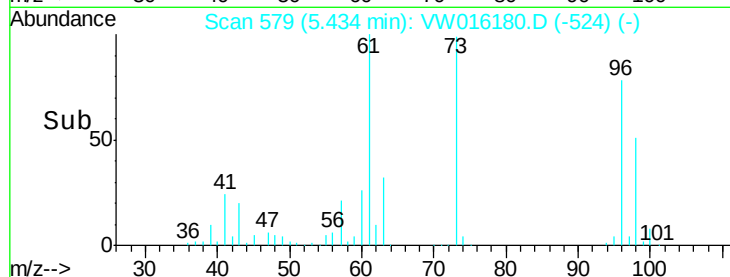
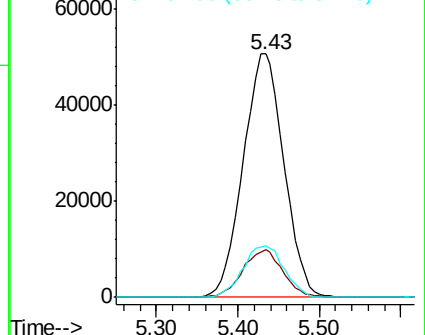
73 100

43 19.4 16.6 24.8

57 21.5 17.1 25.7



Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW



#18

trans-1,2-Dichloroethene

Concen: 23.464 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW016180.D

Acq: 13 Aug 2020 17:29

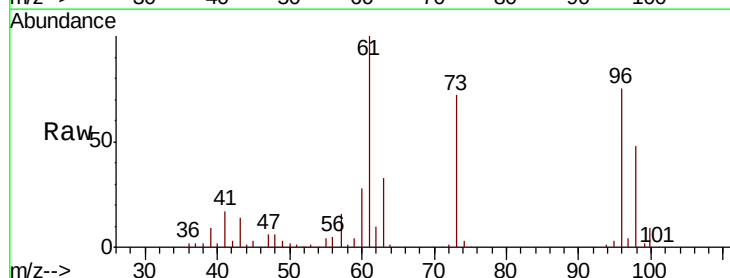
Tgt Ion: 96 Resp: 142594

Ion Ratio Lower Upper

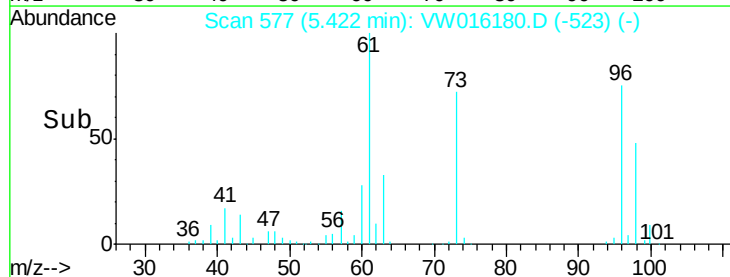
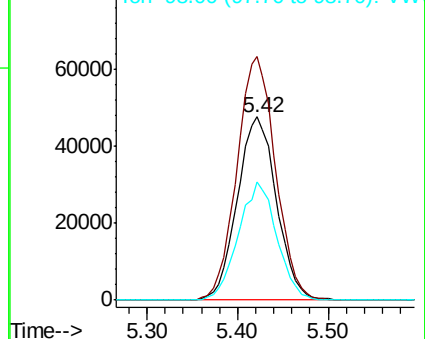
96 100

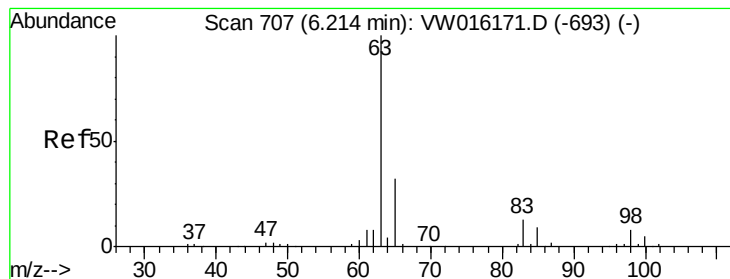
61 132.8 101.6 188.8

98 64.4 47.7 88.7



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: 22.340 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW016180.D

Acq: 13 Aug 2020 17:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

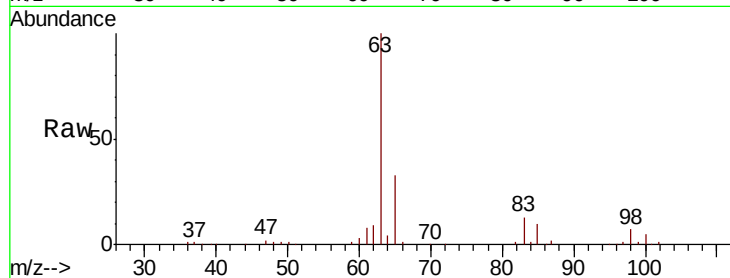
Tot Ion: 63 Resp: 240212

Ion Ratio Lower Upper

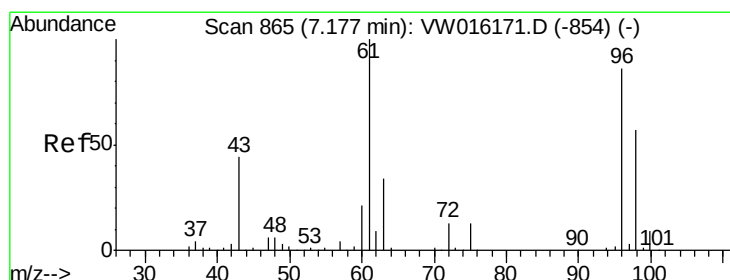
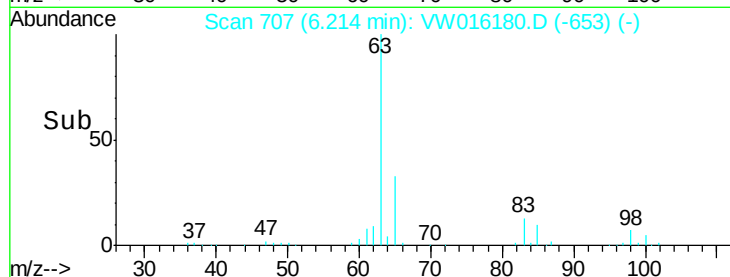
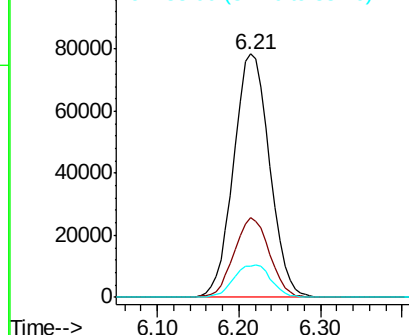
63 100

65 33.0 21.6 40.0

83 12.9 9.8 18.2



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



#21

2-Butanone

Concen: 38.742 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW016180.D

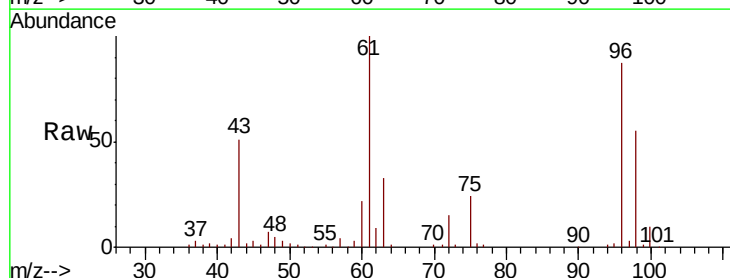
Acq: 13 Aug 2020 17:29

Tgt Ion: 43 Resp: 68211

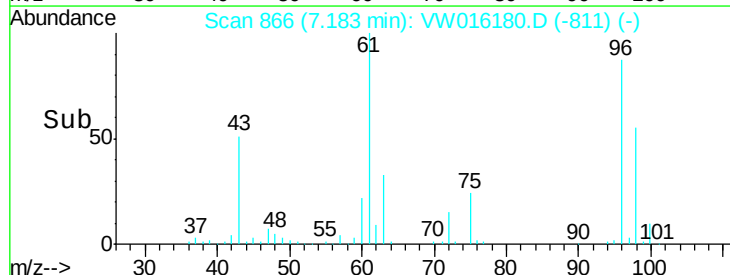
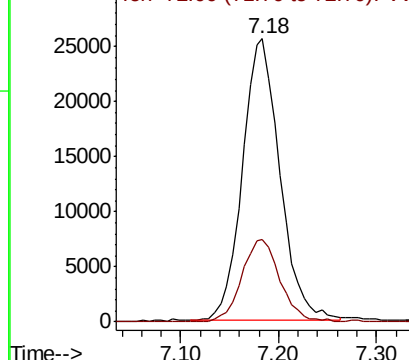
Ion Ratio Lower Upper

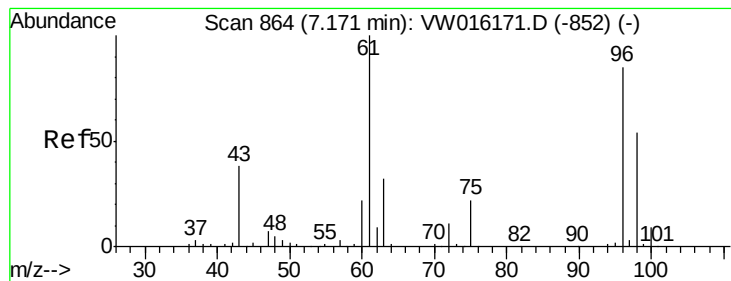
43 100

72 29.7 13.9 41.7



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: 23.276 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW016180.D

Acq: 13 Aug 2020 17:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

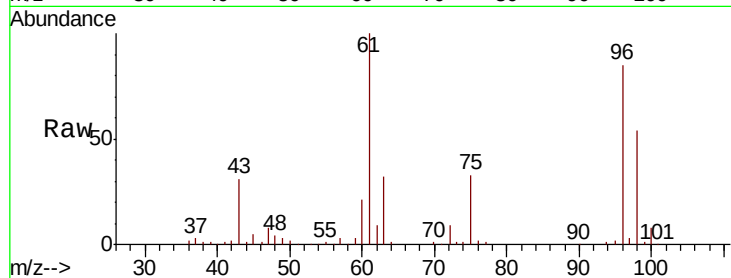
Tot Ion: 96 Resp: 149218

Ion Ratio Lower Upper

96 100

61 118.3 87.0 161.6

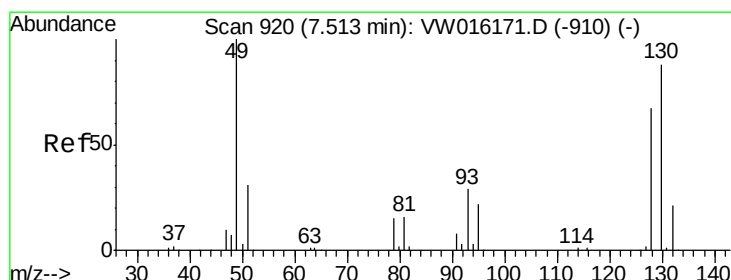
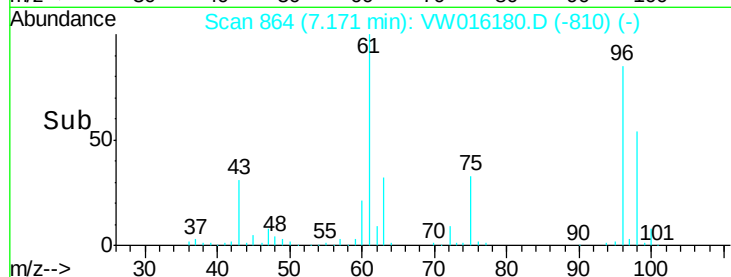
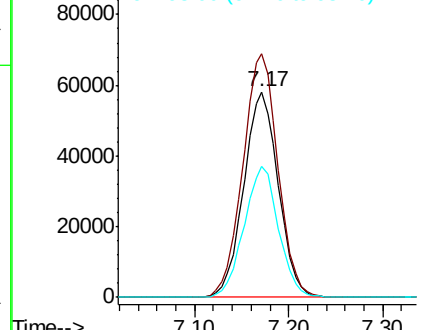
98 63.6 44.0 81.6



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: 23.180 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.01 min

Lab File: VW016180.D

Acq: 13 Aug 2020 17:29

Tgt Ion: 128 Resp: 68205

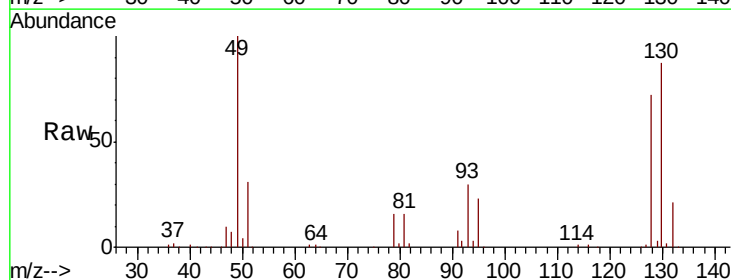
Ion Ratio Lower Upper

128 100

49 138.9 111.8 207.6

130 120.5 90.6 168.3

51 42.5 42.6 63.8#

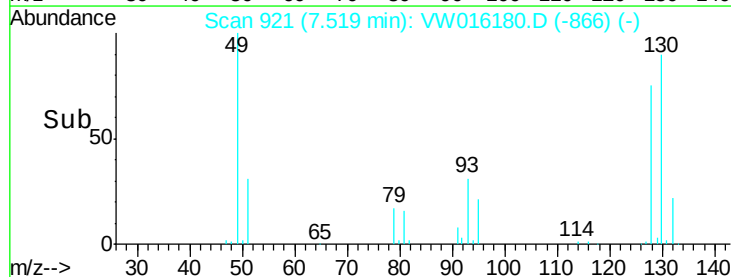
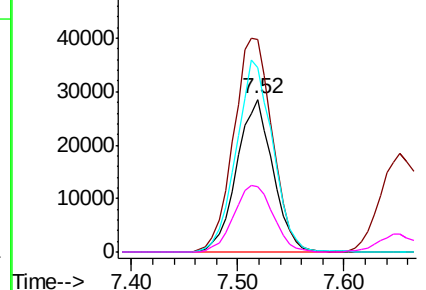


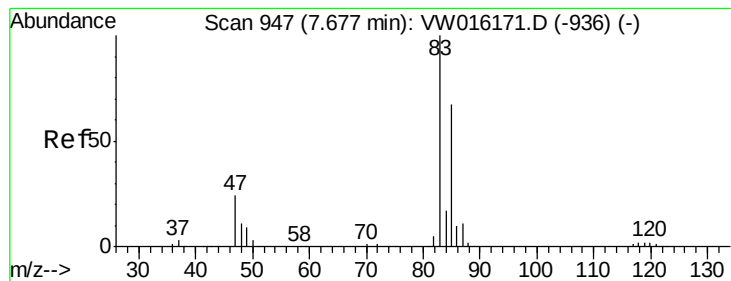
Abundance Ion 128.00 (127.70 to 128.70): V

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: 22.153 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW016180.D

Acq: 13 Aug 2020 17:29

Instrument :

MSVOA_W

ClientSampleId :

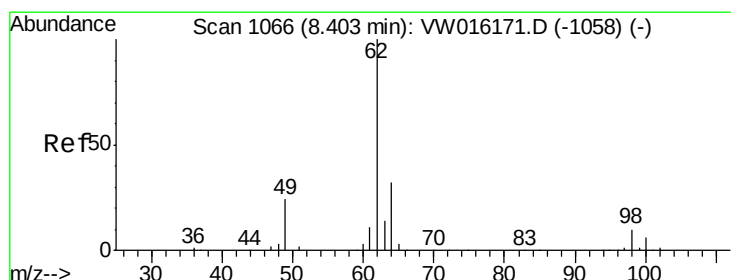
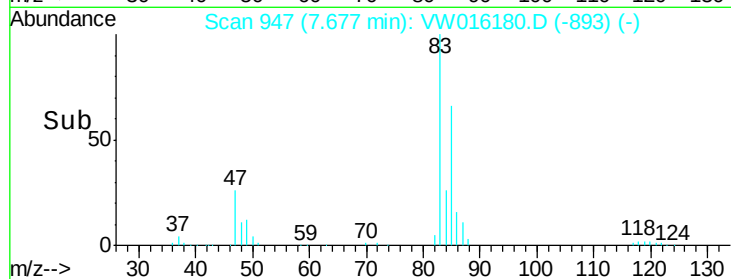
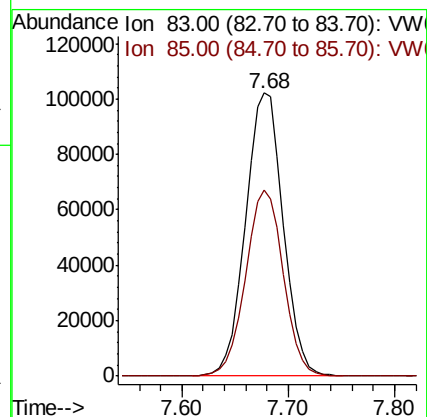
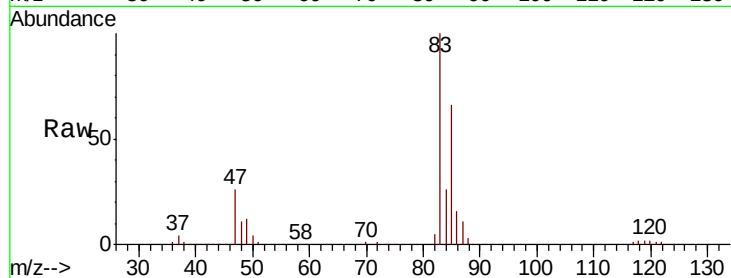
VSTD02514

Tot Ion: 83 Resp: 253413

Ion Ratio Lower Upper

83 100

85 65.9 46.0 85.4



#27

1,2-Dichloroethane

Concen: 20.546 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW016180.D

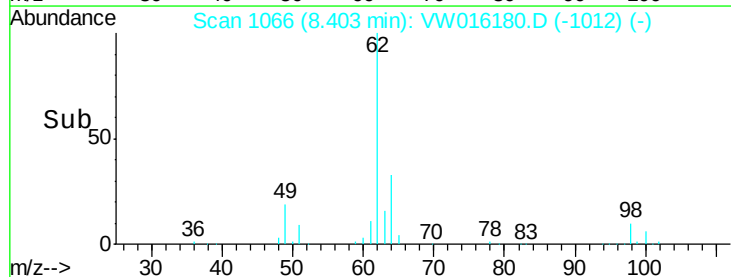
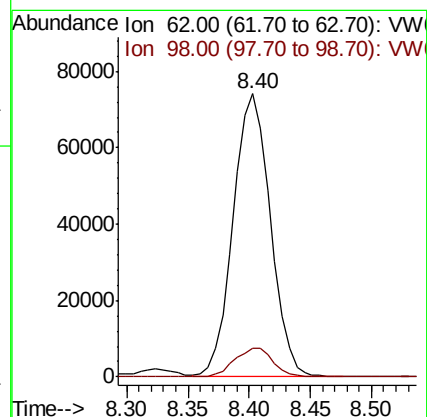
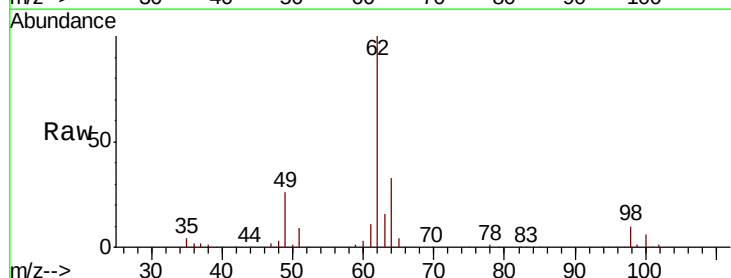
Acq: 13 Aug 2020 17:29

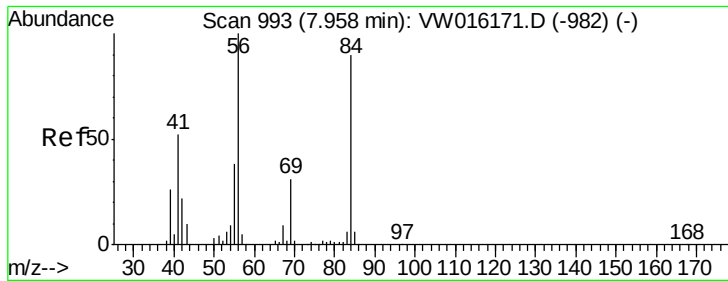
Tgt Ion: 62 Resp: 156564

Ion Ratio Lower Upper

62 100

98 10.3 7.7 11.5

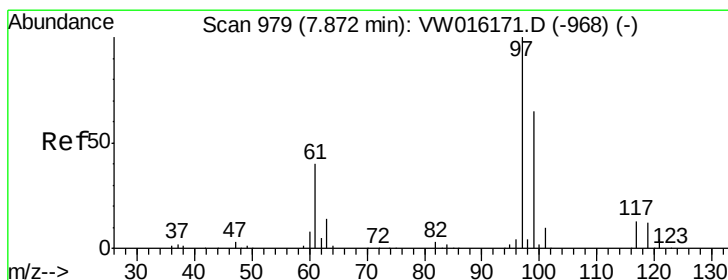
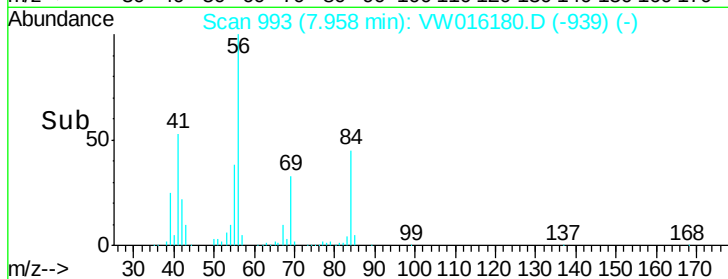
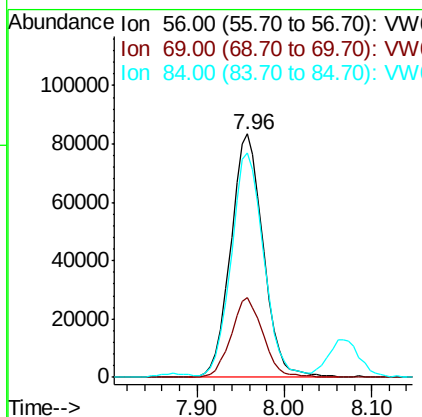
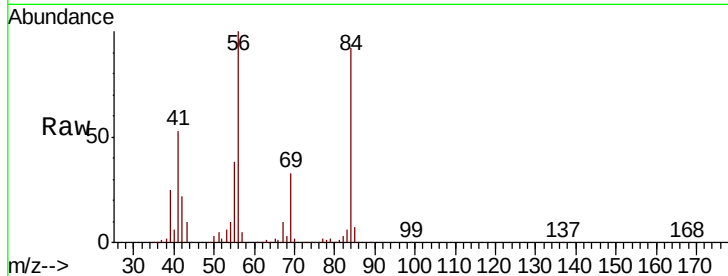




#30
Cyclohexane
Concen: 24.274 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW016180.D
Acq: 13 Aug 2020 17:29

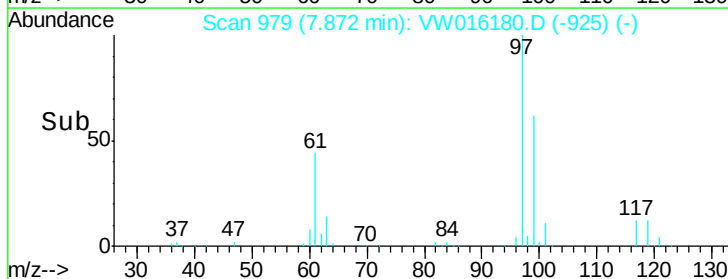
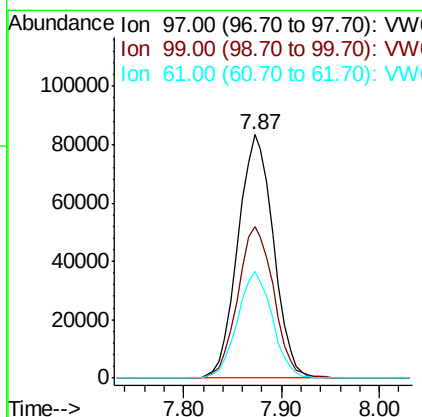
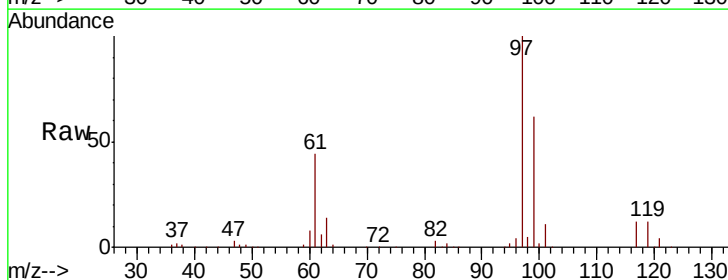
Instrument :
MSVOA_W
ClientSampled :
VSTD02514

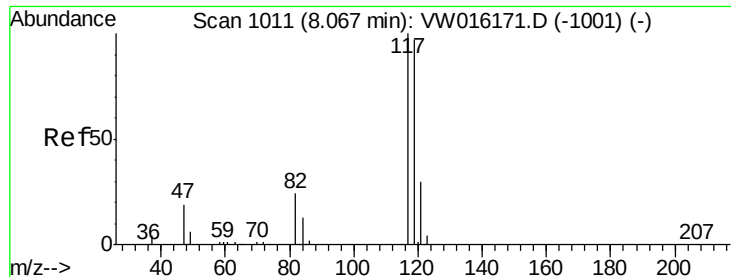
Tot Ion	56	Resp	215666
Ion Ratio	Lower	Upper	
56	100		
69	31.7	25.4	38.0
84	92.3	73.0	109.6



#31
1,1,1-Trichloroethane
Concen: 22.457 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW016180.D
Acq: 13 Aug 2020 17:29

Tgt Ion	97	Resp	210711
Ion Ratio	Lower	Upper	
97	100		
99	62.9	51.6	77.4
61	42.6	34.5	51.7





#32

Carbon tetrachloride

Concen: 22.521 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW016180.D

Acq: 13 Aug 2020 17:29

Instrument :

MSVOA_W

ClientSampleId :

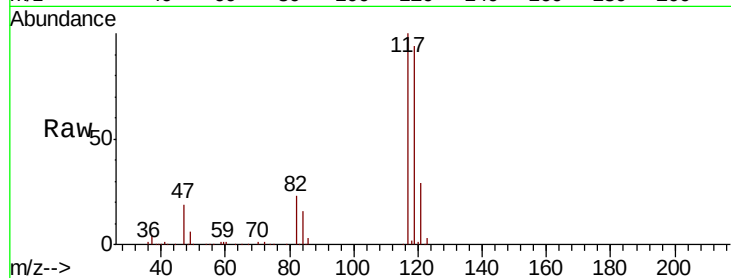
VSTD02514

Tot Ion:117 Resp: 199864

Ion Ratio Lower Upper

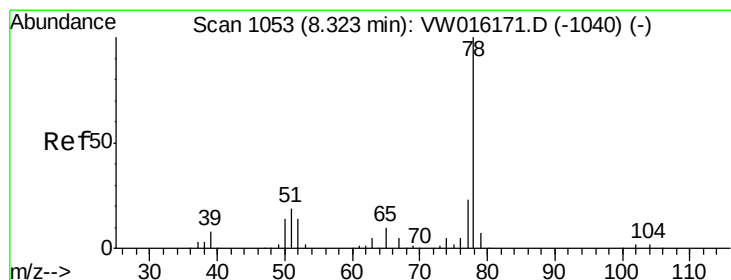
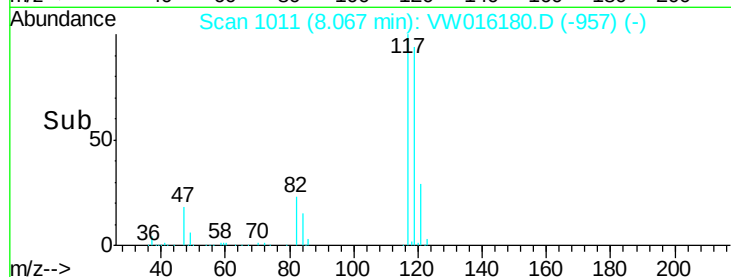
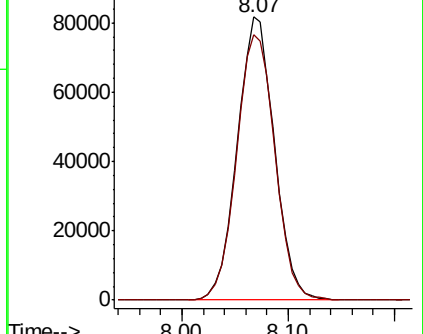
117 100

119 96.7 75.2 112.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.014 ug/L

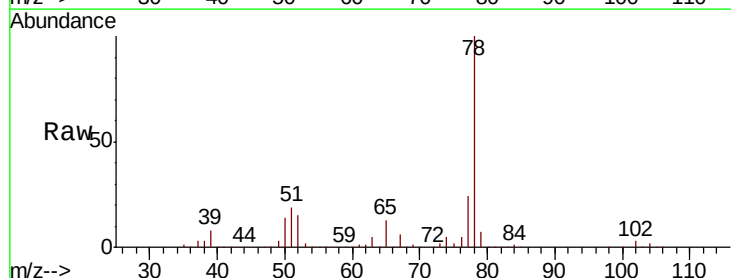
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

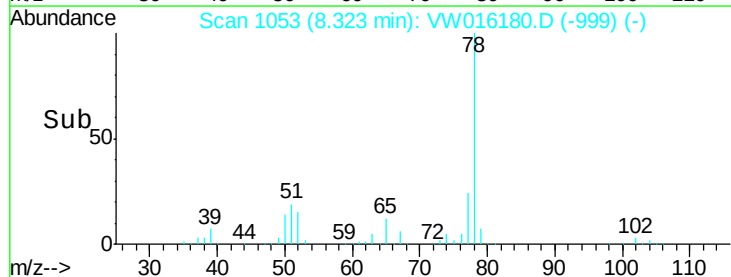
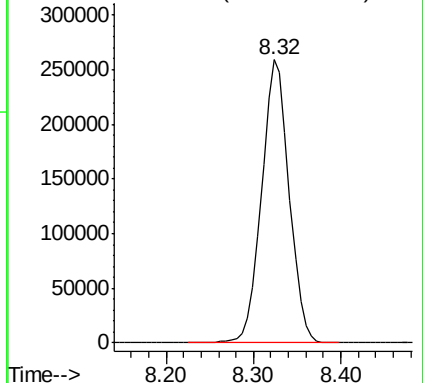
Lab File: VW016180.D

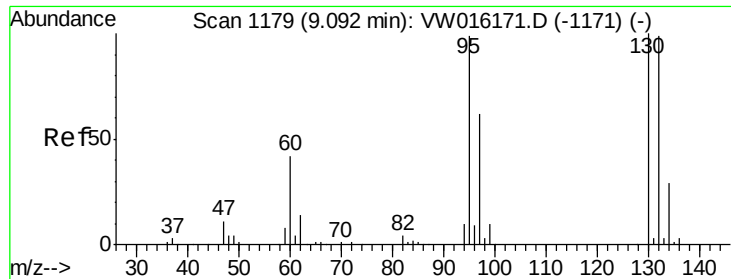
Acq: 13 Aug 2020 17:29

Tgt Ion: 78 Resp: 565462



Abundance Ion 78.00 (77.70 to 78.70): VW

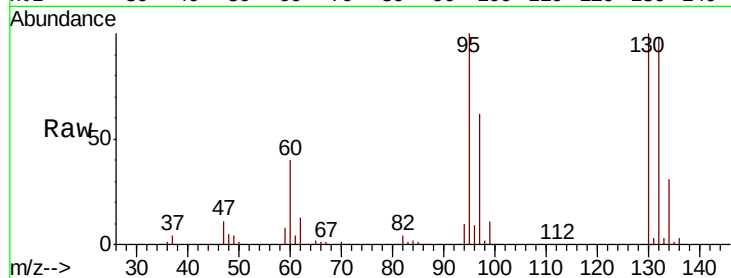




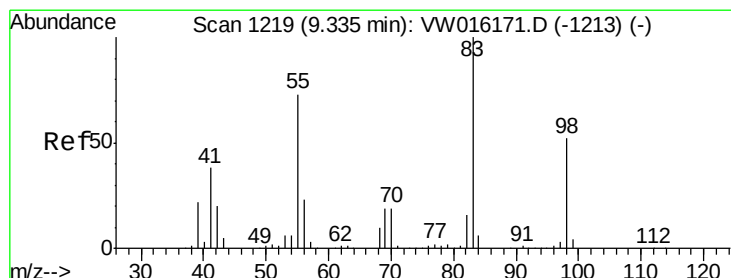
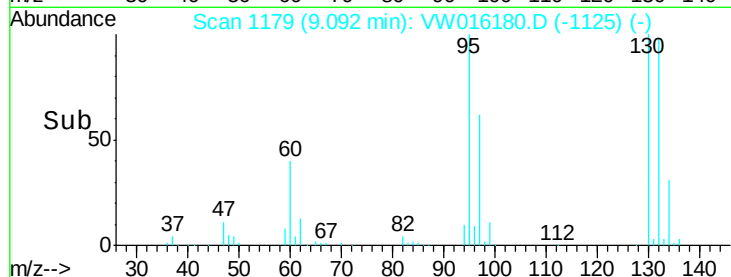
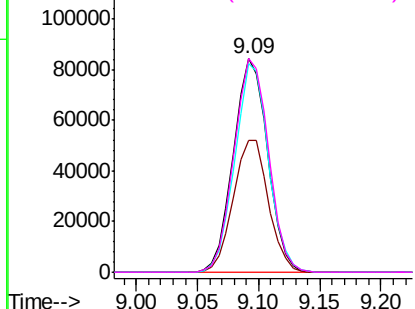
#35
 Trichloroethene
 Concen: 25.853 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW016180.D
 Acq: 13 Aug 2020 17:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

Tot Ion: 95 Resp: 163693
 Ion Ratio Lower Upper
 95 100
 97 63.5 44.9 83.3
 132 95.7 65.8 122.2
 130 101.1 69.5 129.1

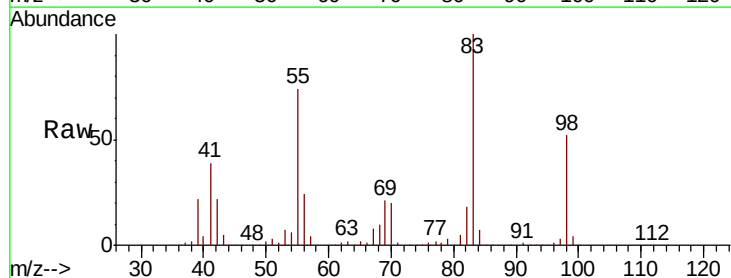


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

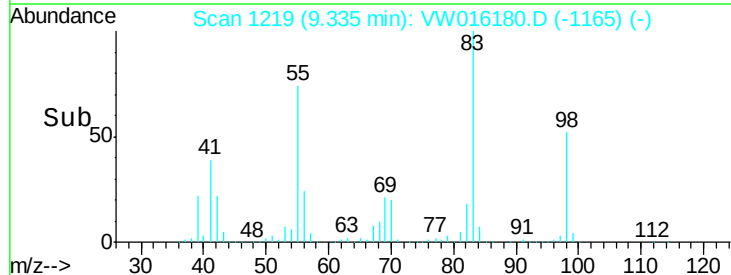
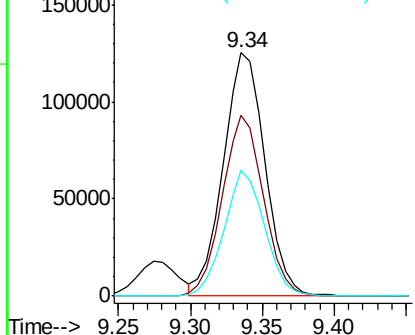


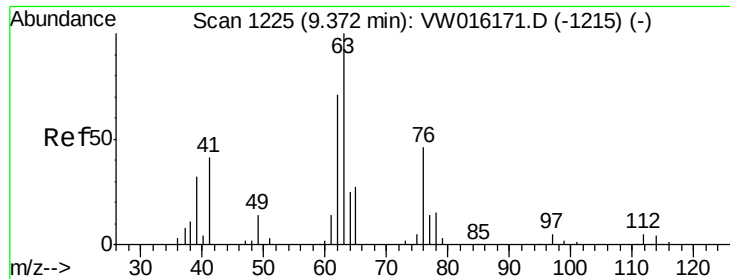
#36
 Methylcyclohexane
 Concen: 24.360 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW016180.D
 Acq: 13 Aug 2020 17:29

Tgt Ion: 83 Resp: 254092
 Ion Ratio Lower Upper
 83 100
 55 73.4 60.7 91.1
 98 50.2 39.4 59.0



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: 23.552 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW016180.D

Acq: 13 Aug 2020 17:29

Instrument :

MSVOA_W

ClientSampleId :

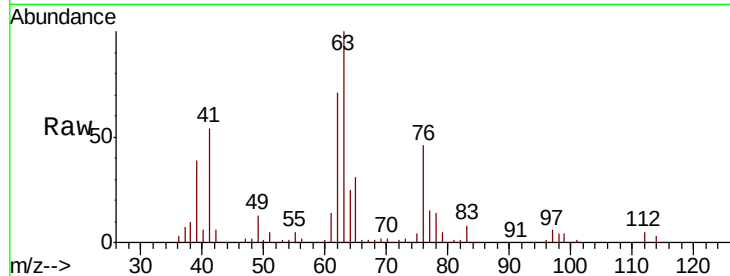
VSTD02514

Tot Ion: 63 Resp: 136192

Ion Ratio Lower Upper

63 100

112 5.1 4.0 6.0



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V

80000

60000

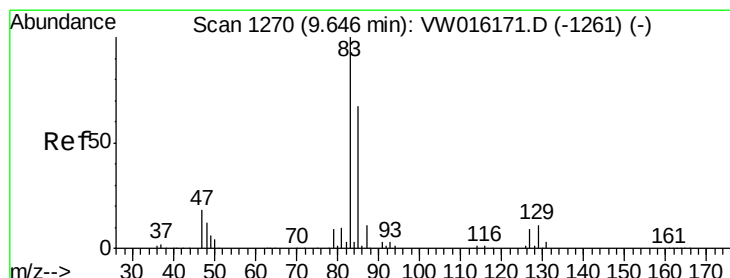
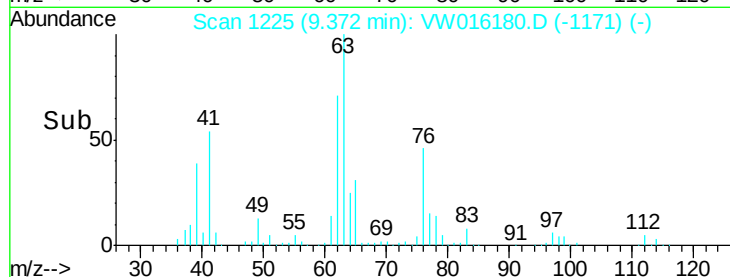
40000

20000

0

9.25 9.30 9.35 9.40 9.45

Time-->



#41

Bromodichloromethane

Concen: 22.435 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW016180.D

Acq: 13 Aug 2020 17:29

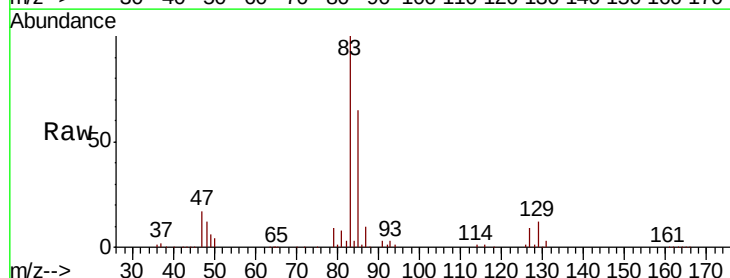
Tgt Ion: 83 Resp: 178212

Ion Ratio Lower Upper

83 100

85 64.9 46.1 85.5

127 8.8 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

120000

100000

80000

60000

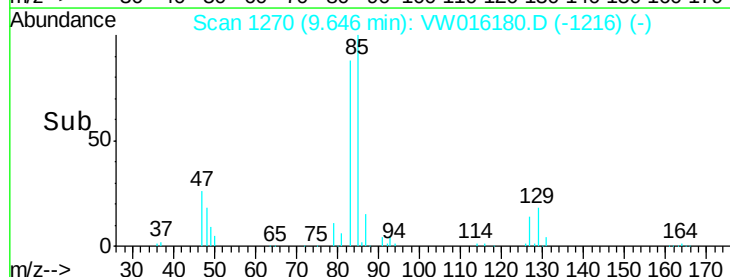
40000

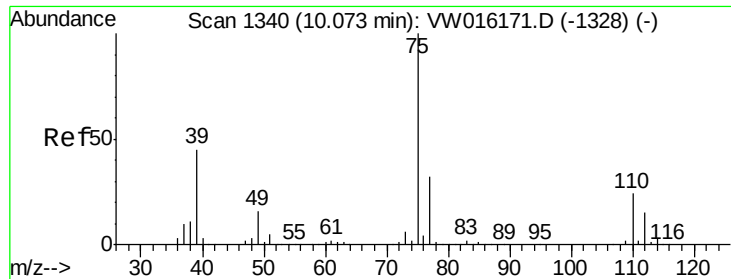
20000

0

9.55 9.60 9.65 9.70

Time-->

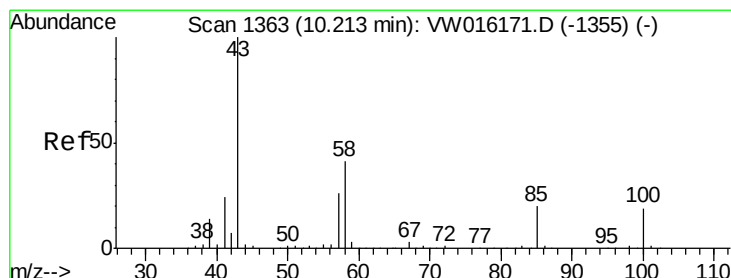
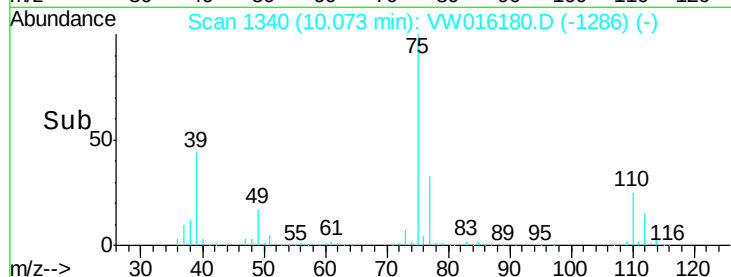
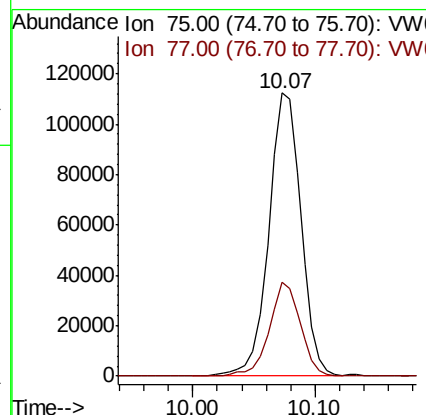
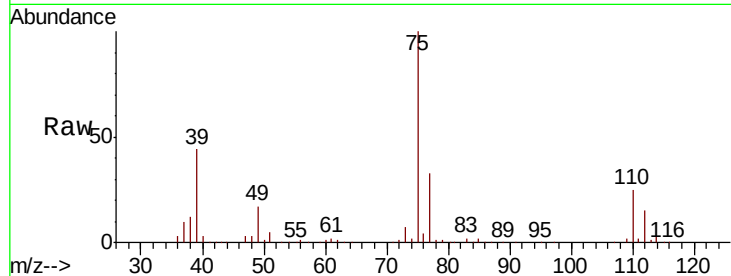




#42
 cis-1,3-Dichloropropene
 Concen: 23.388 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW016180.D
 Acq: 13 Aug 2020 17:29

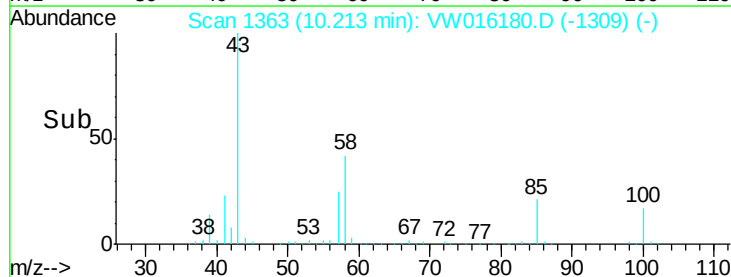
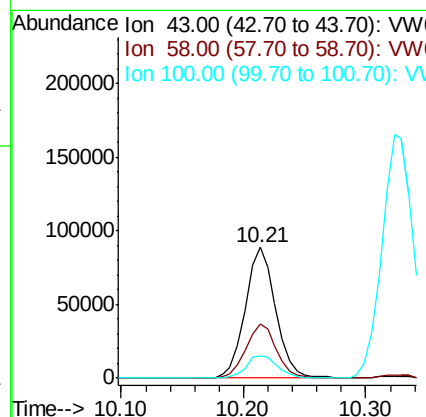
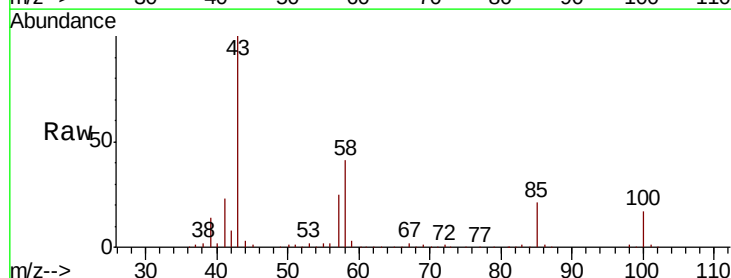
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

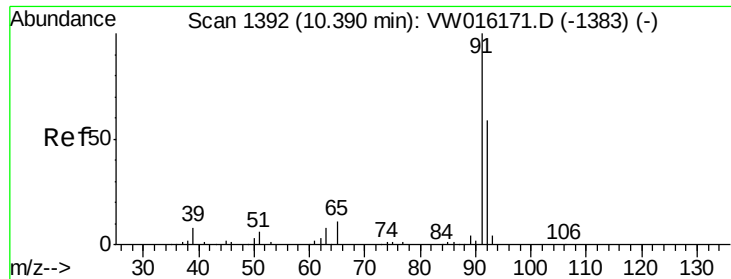
Tot Ion: 75 Resp: 205971
 Ion Ratio Lower Upper
 75 100
 77 33.1 22.9 42.5



#43
 4-Methyl-2-pentanone
 Concen: 43.904 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW016180.D
 Acq: 13 Aug 2020 17:29

Tgt Ion: 43 Resp: 152701
 Ion Ratio Lower Upper
 43 100
 58 41.4 32.1 48.1
 100 17.8 13.8 20.8





#44

Toluene

Concen: 24.566 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016180.D

Acq: 13 Aug 2020 17:29

Instrument :

MSVOA_W

ClientSampleId :

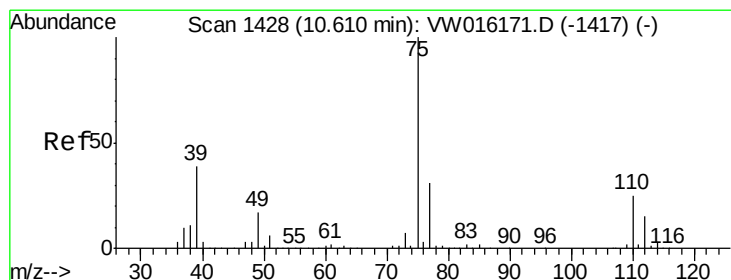
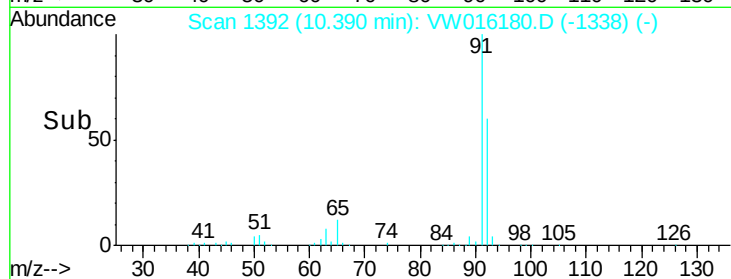
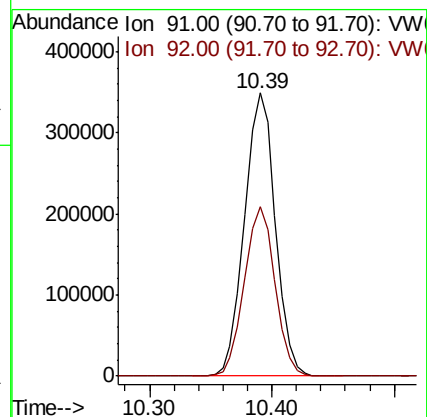
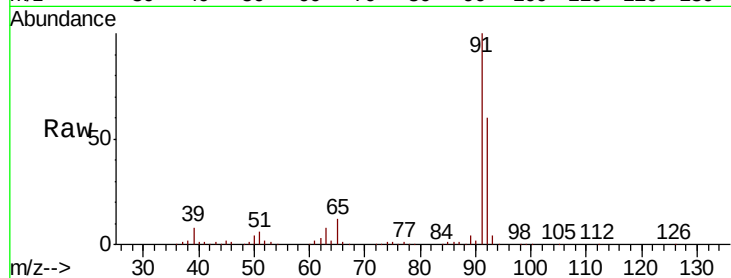
VSTD02514

Tot Ion: 91 Resp: 610650

Ion Ratio Lower Upper

91 100

92 60.0 41.8 77.6



#45

trans-1,3-Dichloropropene

Concen: 23.053 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016180.D

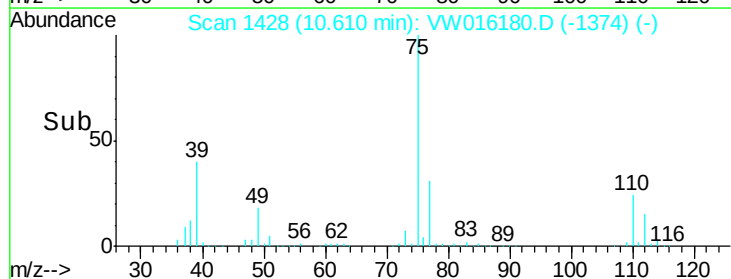
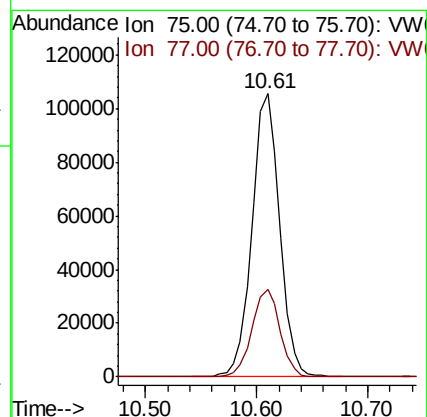
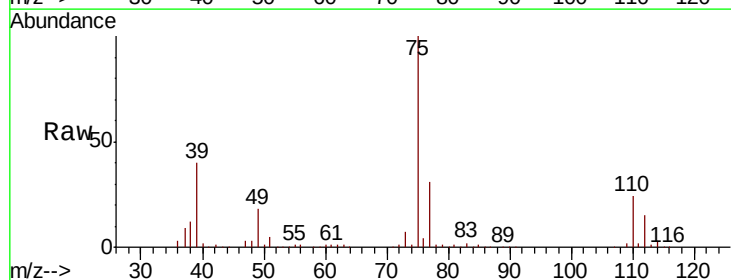
Acq: 13 Aug 2020 17:29

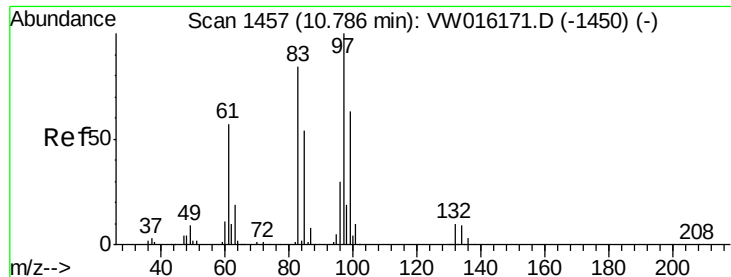
Tgt Ion: 75 Resp: 182371

Ion Ratio Lower Upper

75 100

77 30.9 22.7 42.1

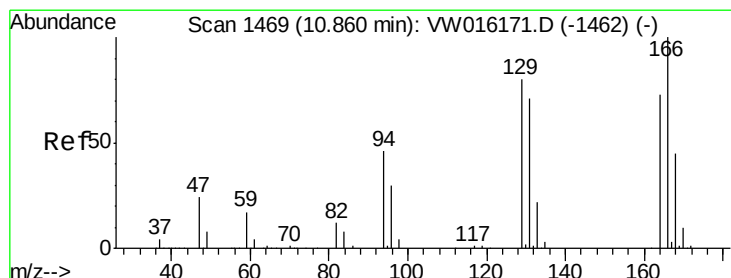
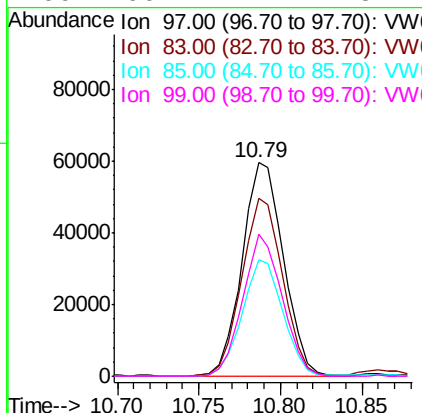
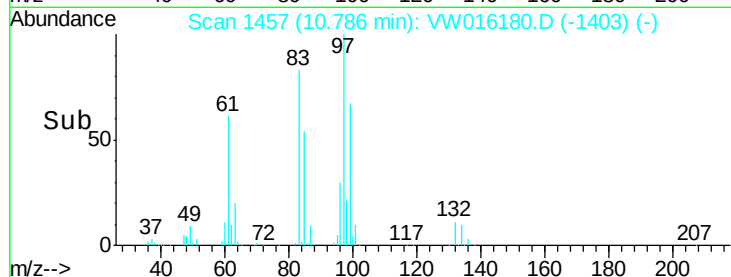
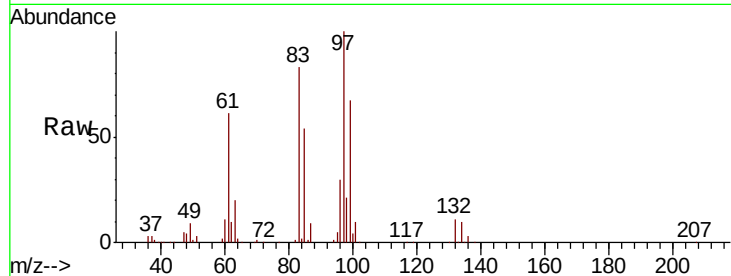




#46
1,1,2-Trichloroethane
Concen: 23.117 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW016180.D
Acq: 13 Aug 2020 17:29

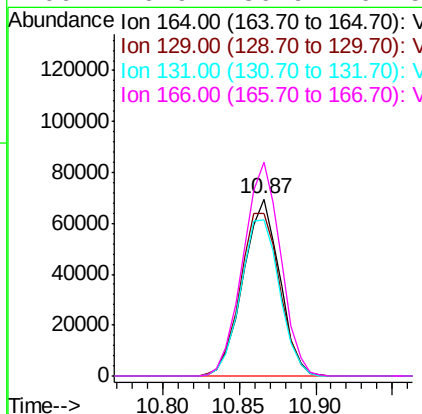
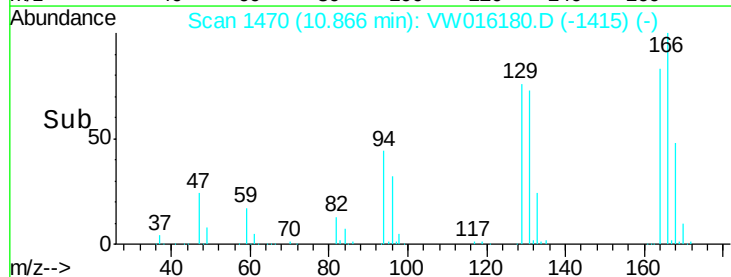
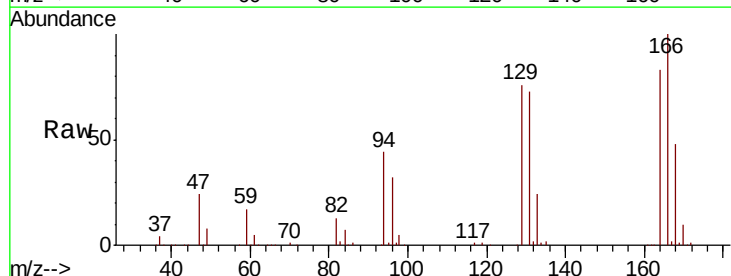
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

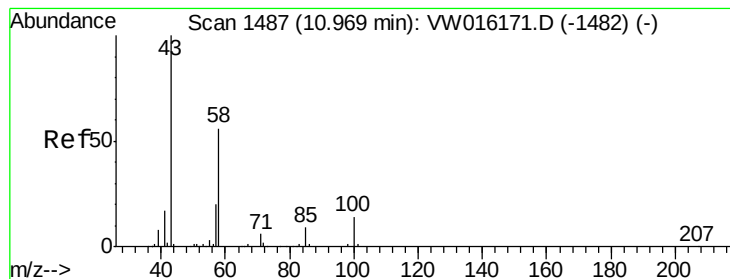
Tot Ion:	97	Resp:	105226
Ion	Ratio	Lower	Upper
97	100		
83	83.4	57.8	107.4
85	54.4	38.0	70.6
99	66.7	44.4	82.4



#47
Tetrachloroethene
Concen: 24.393 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW016180.D
Acq: 13 Aug 2020 17:29

Tgt Ion:	164	Resp:	115787
Ion	Ratio	Lower	Upper
164	100		
129	91.7	71.5	132.9
131	88.2	65.4	121.4
166	120.9	86.9	161.5





#49

2-Hexanone

Concen: 45.464 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW016180.D

Acq: 13 Aug 2020 17:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

Tot Ion: 43 Resp: 106700

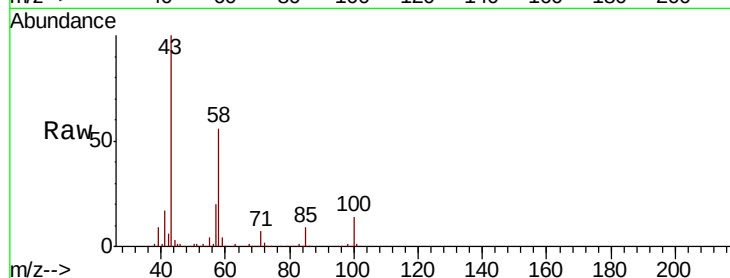
Ion Ratio Lower Upper

43 100

58 56.3 44.2 66.2

57 20.3 15.8 23.6

100 14.4 10.8 16.2

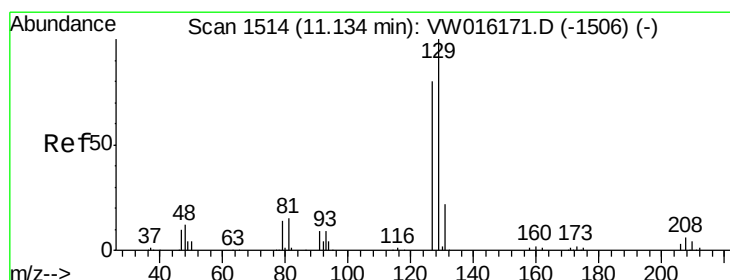
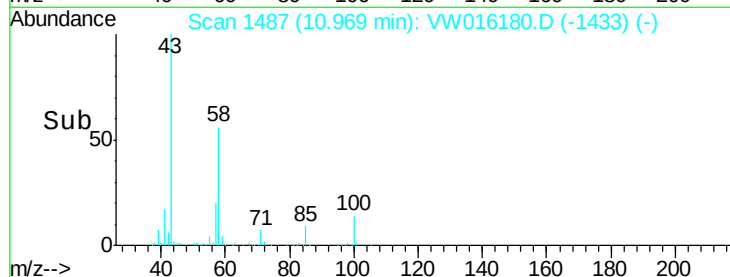
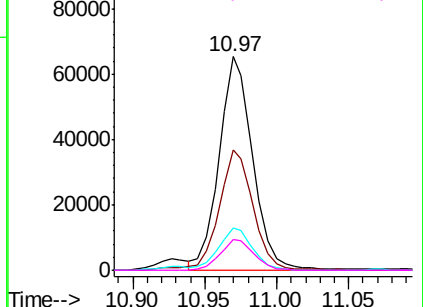


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 22.695 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VW016180.D

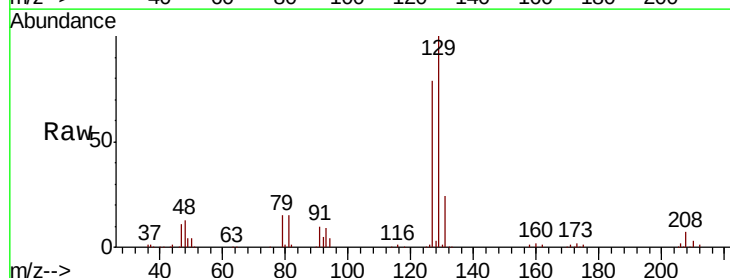
Acq: 13 Aug 2020 17:29

Tgt Ion: 129 Resp: 121670

Ion Ratio Lower Upper

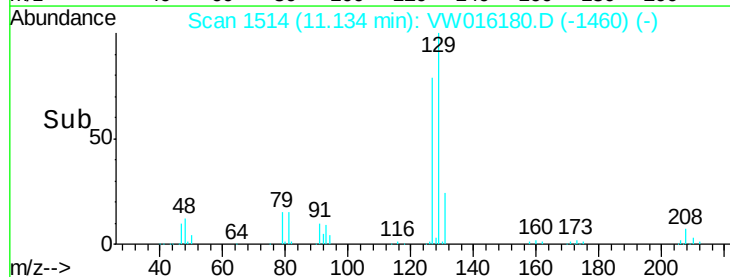
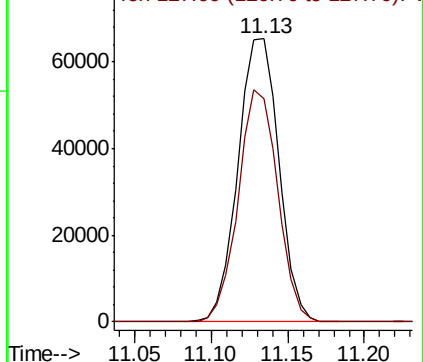
129 100

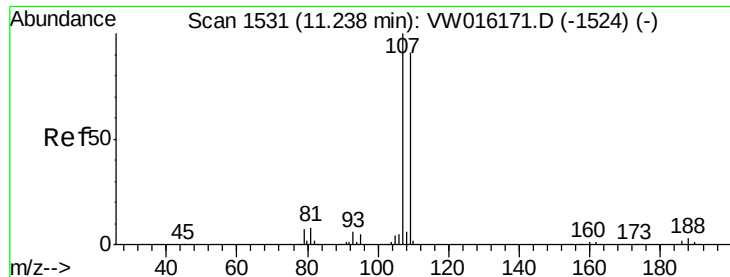
127 78.7 55.4 102.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

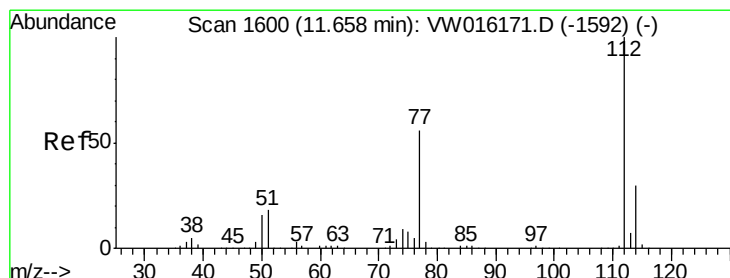
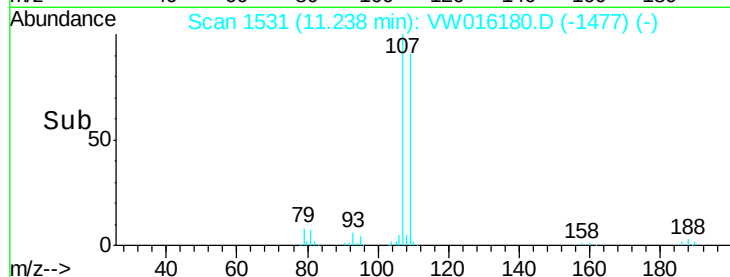
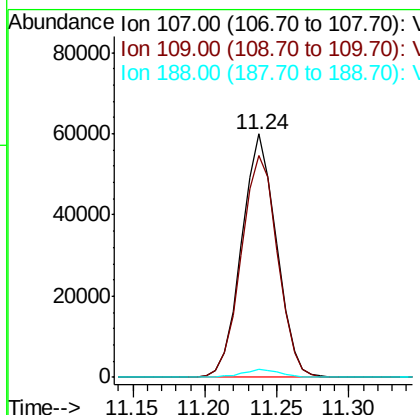
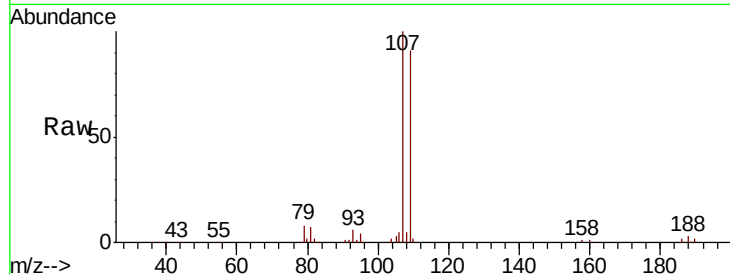




#51
1,2-Dibromoethane
Concen: 23.271 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW016180.D
Acq: 13 Aug 2020 17:29

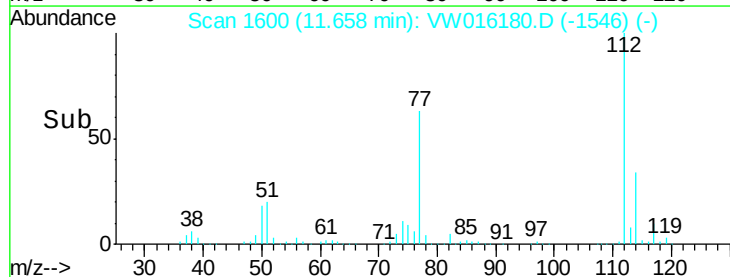
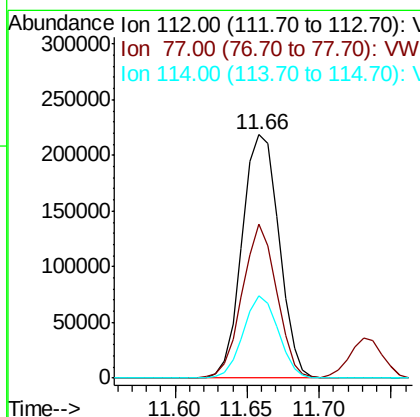
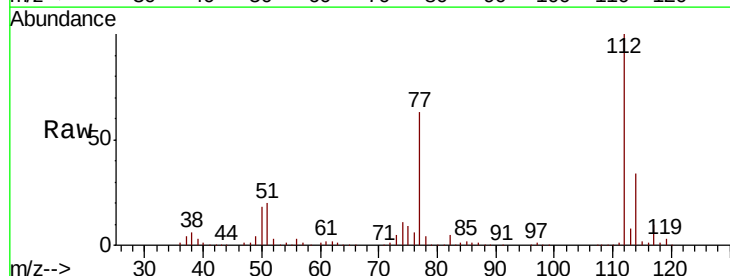
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

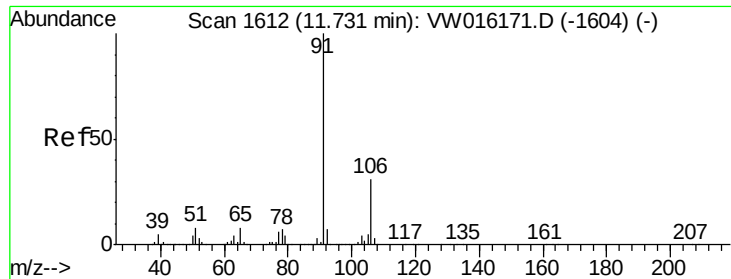
Tot Ion	Ratio	Lower	Upper
107	100		
109	91.0	66.0	122.6
188	3.1	2.8	4.2



#52
Chlorobenzene
Concen: 23.625 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW016180.D
Acq: 13 Aug 2020 17:29

Tgt Ion	Ratio	Lower	Upper
112	100		
77	63.1	49.1	73.7
114	33.9	23.5	43.7

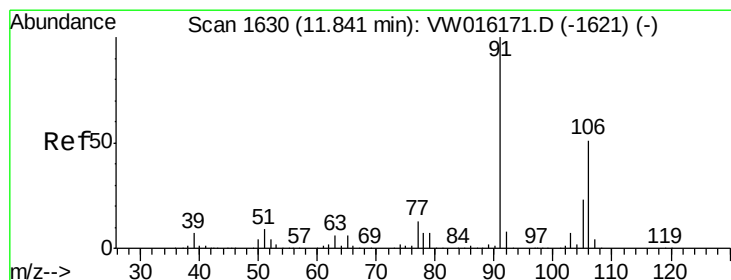
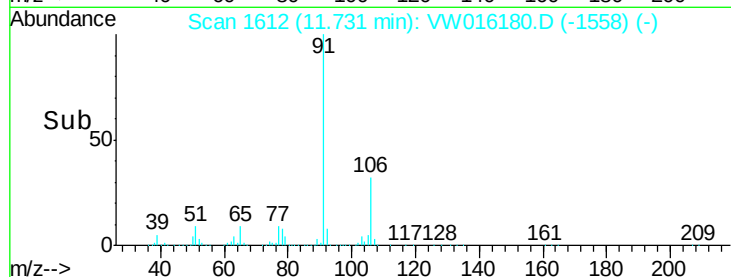
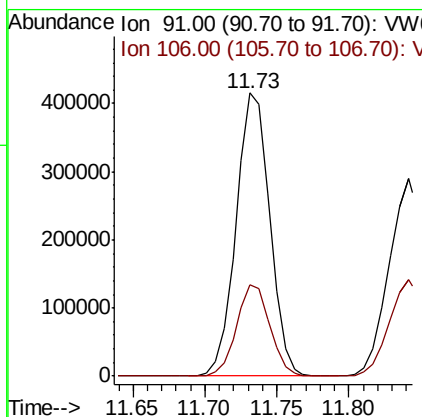
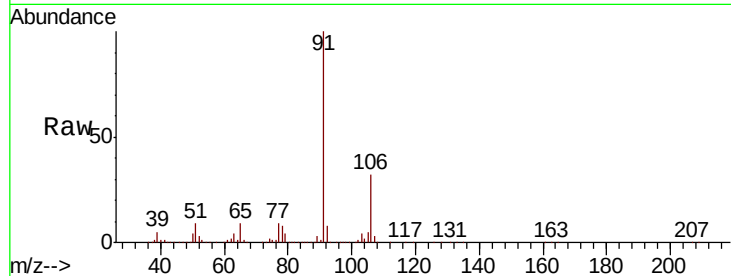




#53
Ethylbenzene
Concen: 23.953 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016180.D
Acq: 13 Aug 2020 17:29

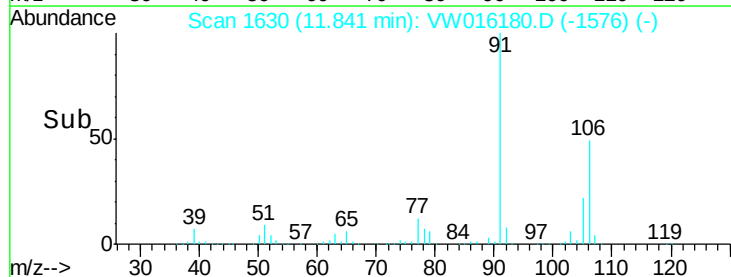
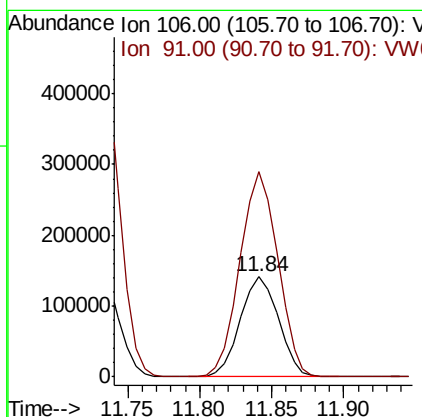
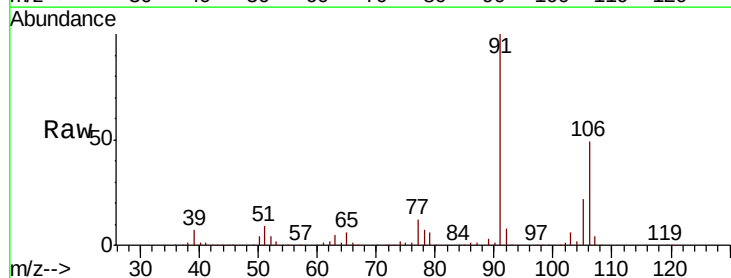
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

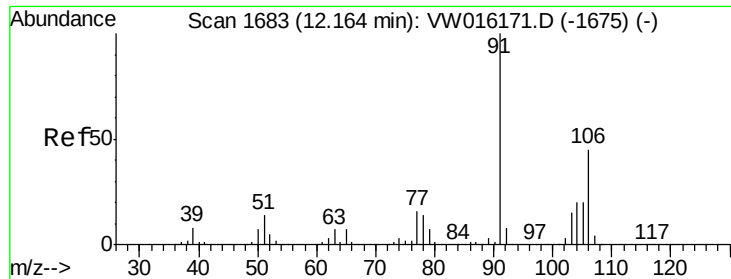
Tot Ion: 91 Resp: 675529
Ion Ratio Lower Upper
91 100
106 32.4 21.8 40.4



#54
m,p-Xylene
Concen: 24.733 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW016180.D
Acq: 13 Aug 2020 17:29

Tgt Ion: 106 Resp: 262389
Ion Ratio Lower Upper
106 100
91 205.2 136.4 253.2

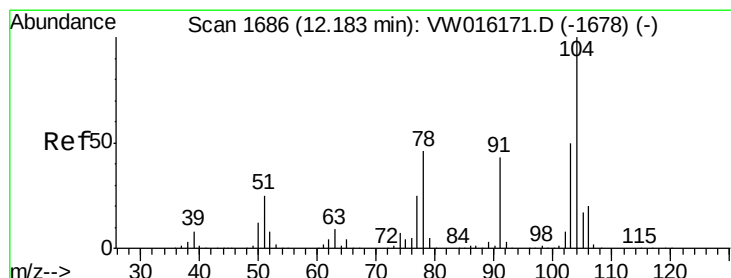
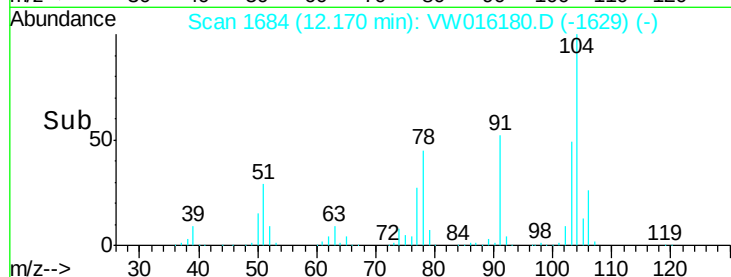
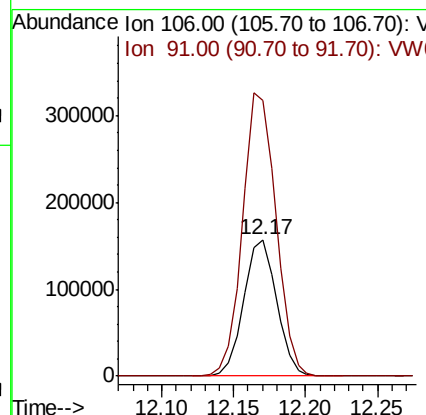
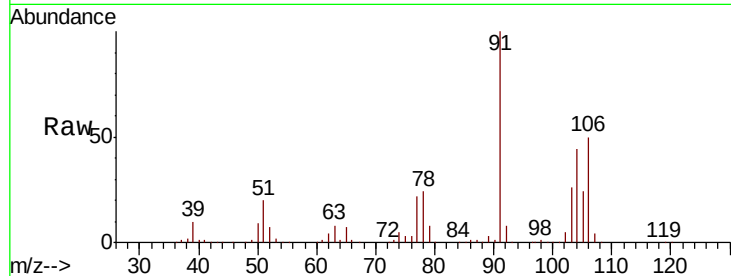




#55
o-xylene
Concen: 24.913 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW016180.D
Acq: 13 Aug 2020 17:29

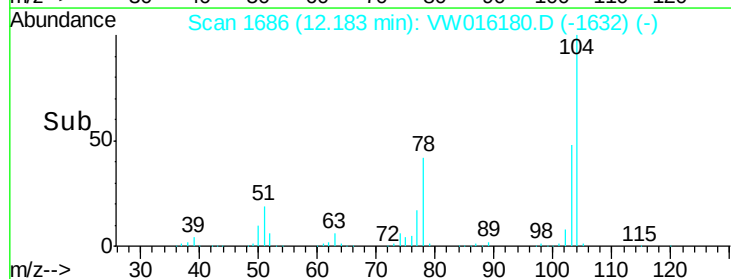
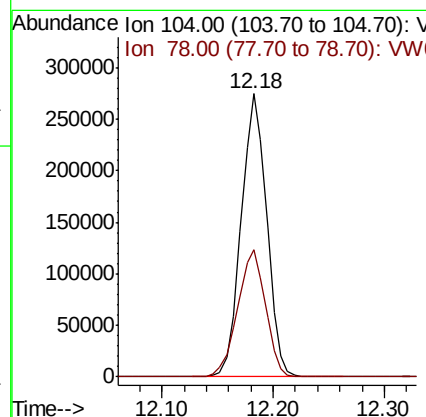
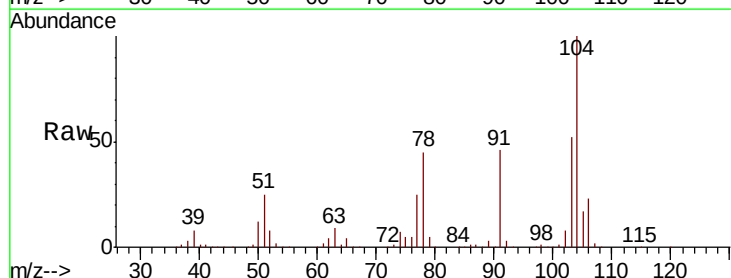
Instrument :
MSVOA_W
ClientSampled :
VSTD02514

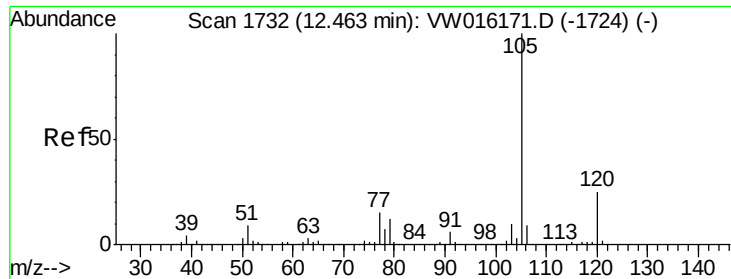
Tot Ion:106 Resp: 248953
Ion Ratio Lower Upper
106 100
91 202.0 151.3 281.1



#56
Styrene
Concen: 25.216 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016180.D
Acq: 13 Aug 2020 17:29

Tgt Ion:104 Resp: 436244
Ion Ratio Lower Upper
104 100
78 45.1 32.0 59.4





#57

Isopropylbenzene

Concen: 24.655 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016180.D

Acq: 13 Aug 2020 17:29

Instrument :

MSVOA_W

ClientSampled :

VSTD02514

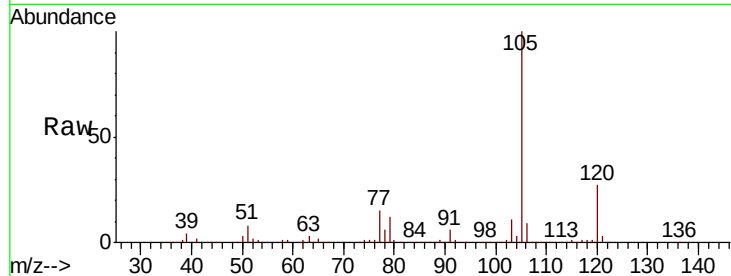
Tot Ion:105 Resp: 664262

Ion Ratio Lower Upper

105 100

120 26.8 21.0 31.4

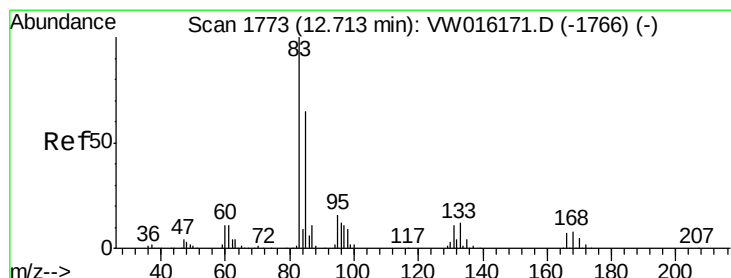
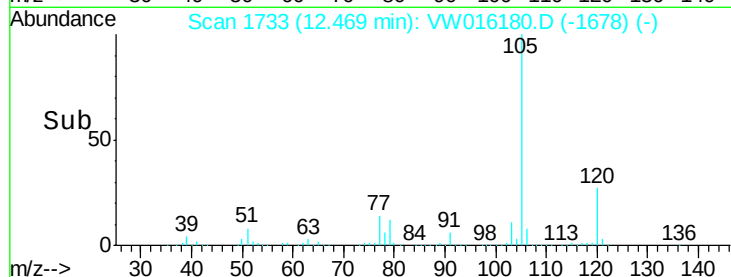
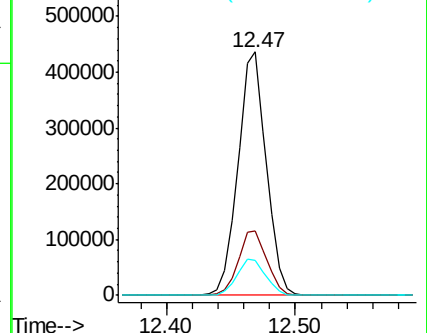
77 15.4 12.6 18.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 23.114 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW016180.D

Acq: 13 Aug 2020 17:29

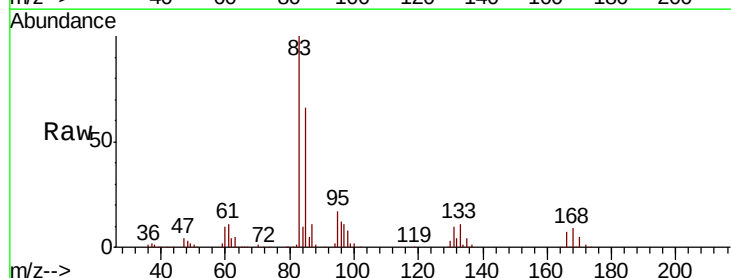
Tgt Ion: 83 Resp: 122758

Ion Ratio Lower Upper

83 100

85 65.6 42.4 78.8

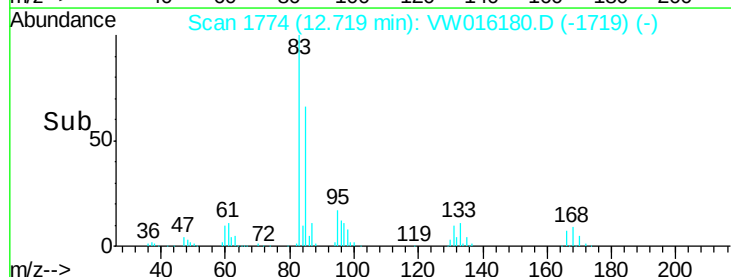
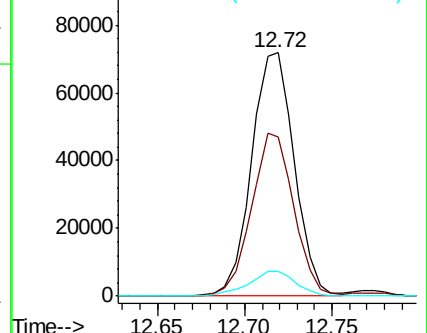
131 10.3 7.8 11.8

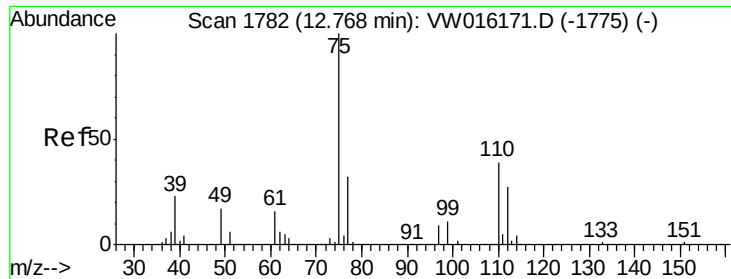


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 22.293 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW016180.D

Acq: 13 Aug 2020 17:29

Instrument :

MSVOA_W

ClientSampleId :

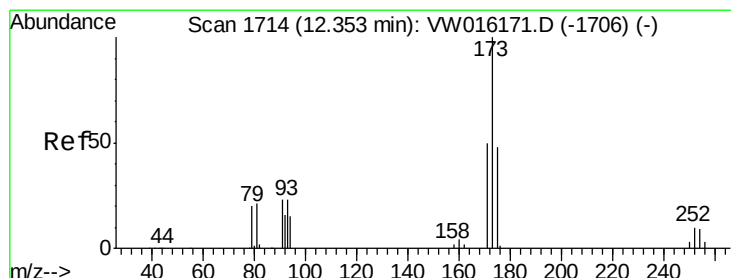
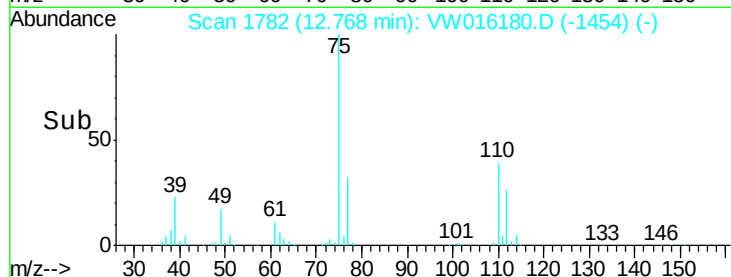
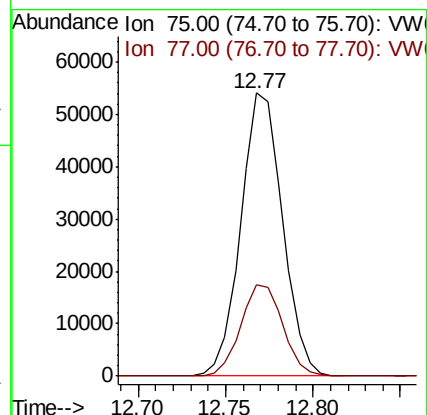
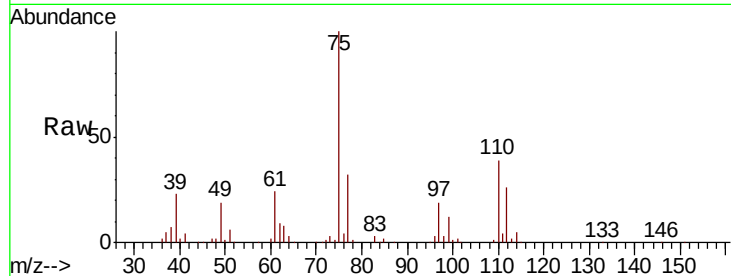
VSTD02514

Tot Ion: 75 Resp: 89699

Ion Ratio Lower Upper

75 100

77 32.6 25.9 38.9



#62

Bromoform

Concen: 21.991 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW016180.D

Acq: 13 Aug 2020 17:29

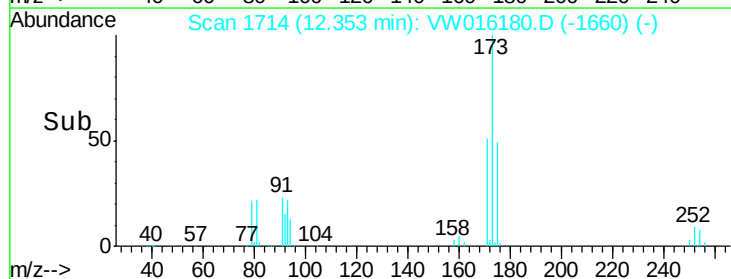
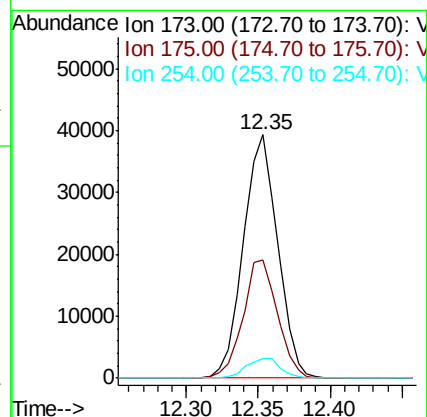
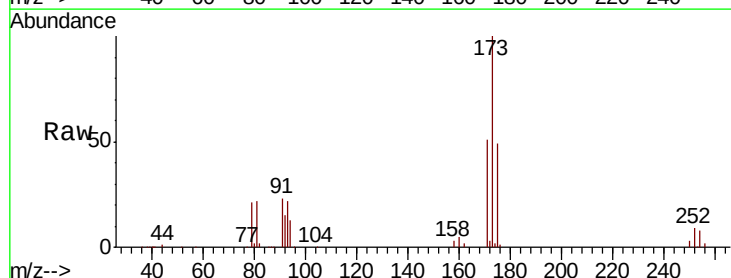
Tgt Ion: 173 Resp: 64979

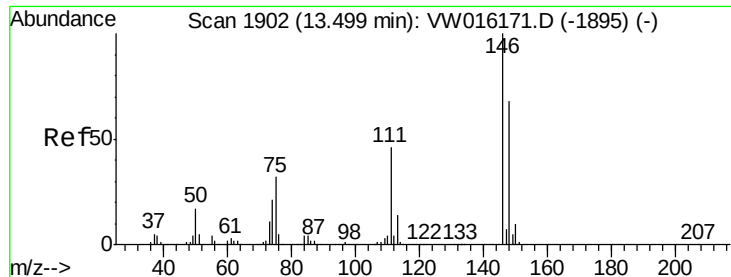
Ion Ratio Lower Upper

173 100

175 48.6 37.8 56.6

254 8.3 6.8 10.2

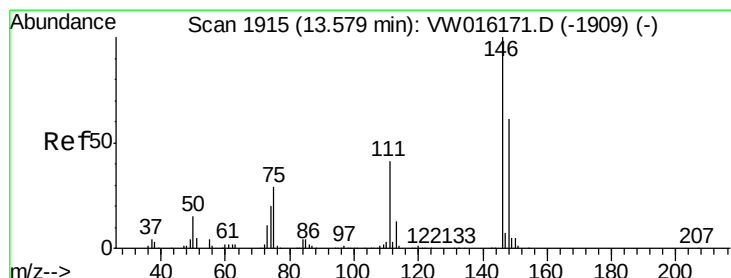
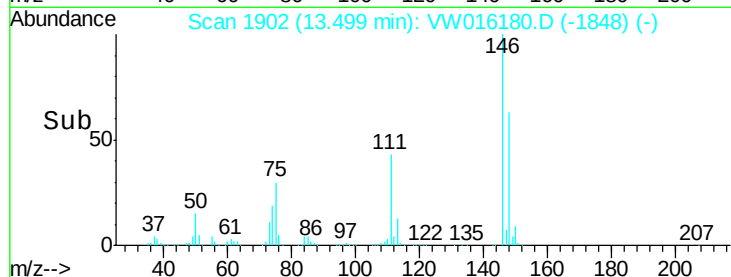
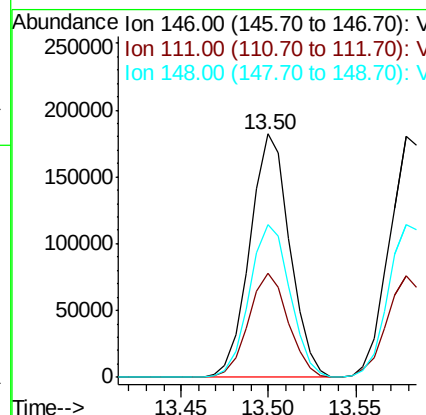
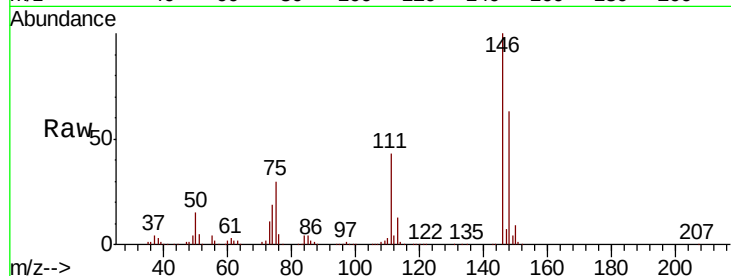




#63
 1,3-Dichlorobenzene
 Concen: 23.381 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016180.D
 Acq: 13 Aug 2020 17:29

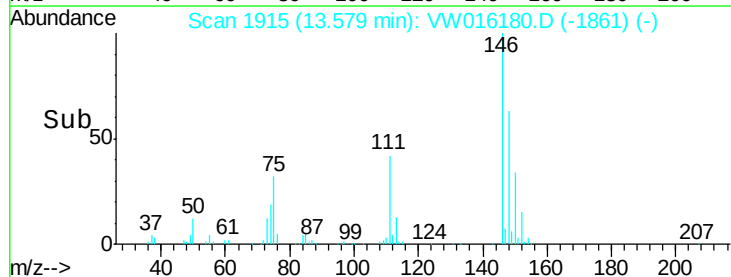
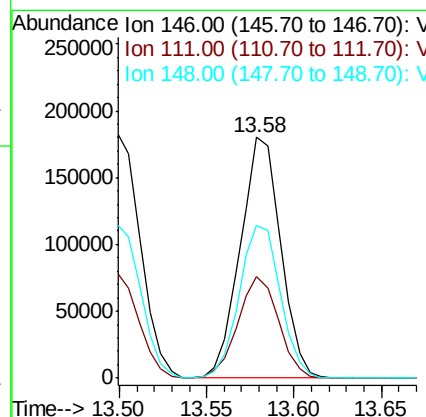
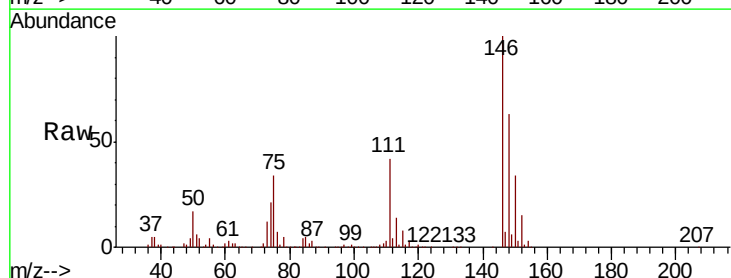
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

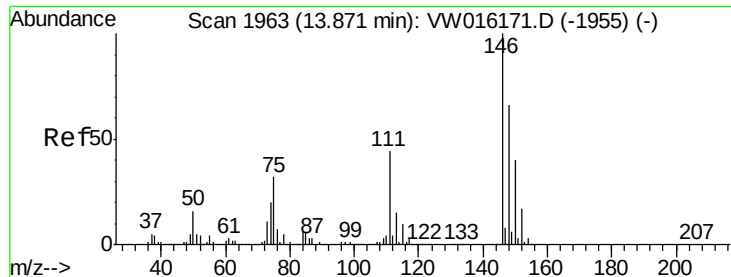
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	28.9	53.7
148	62.6	44.7	82.9



#64
 1,4-Dichlorobenzene
 Concen: 23.060 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016180.D
 Acq: 13 Aug 2020 17:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	28.6	53.2
148	63.3	47.7	88.5

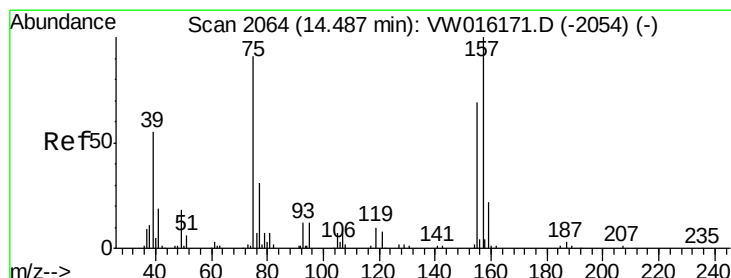
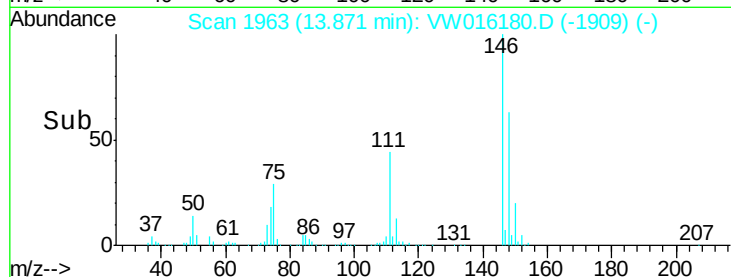
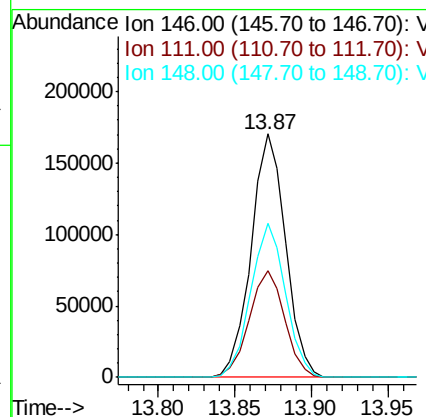
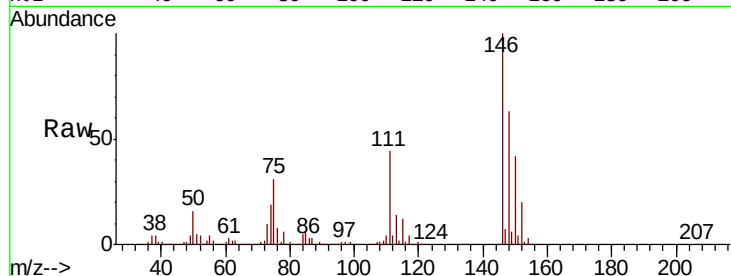




#65
 1,2-Dichlorobenzene
 Concen: 23.560 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW016180.D
 Acq: 13 Aug 2020 17:29

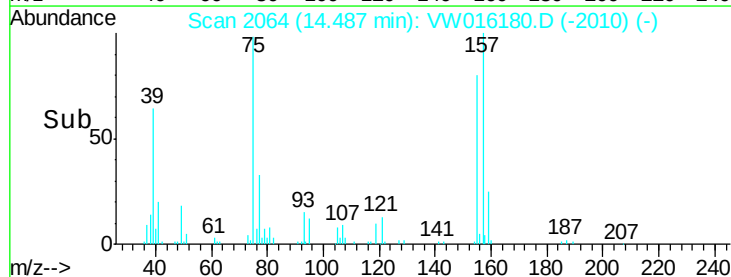
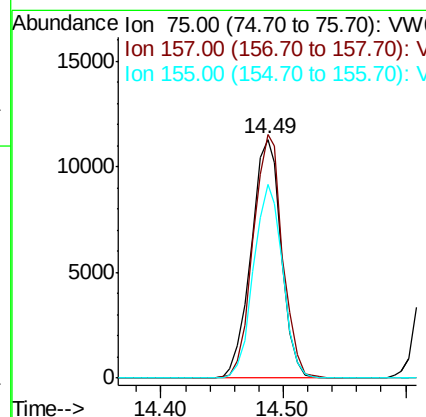
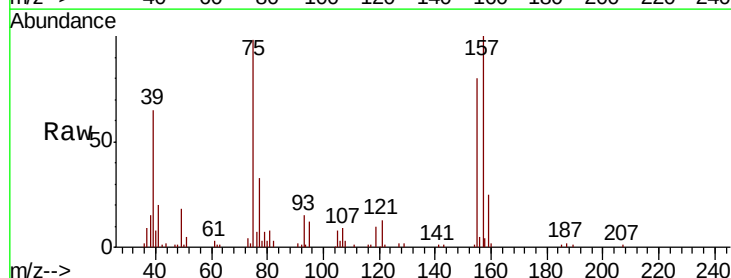
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

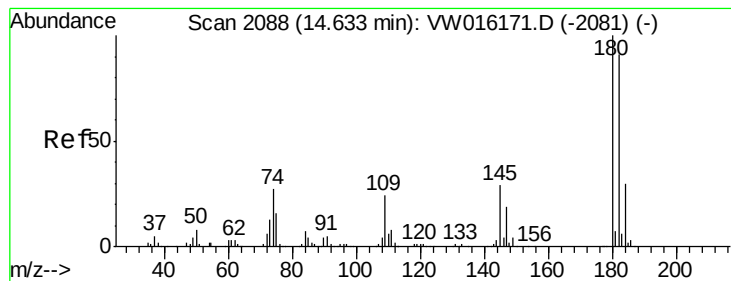
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	35.3	52.9
148	63.2	49.0	73.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 19.478 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW016180.D
 Acq: 13 Aug 2020 17:29

Tgt Ion	Ratio	Lower	Upper
75	100		
157	101.9	73.9	110.9
155	81.1	63.4	95.2





#67

1,3,5-Trichlorobenzene

Concen: 24.031 ug/L

RT: 14.63 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VW016180.D

Acq: 13 Aug 2020 17:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

Tot Ion:180 Resp: 187140

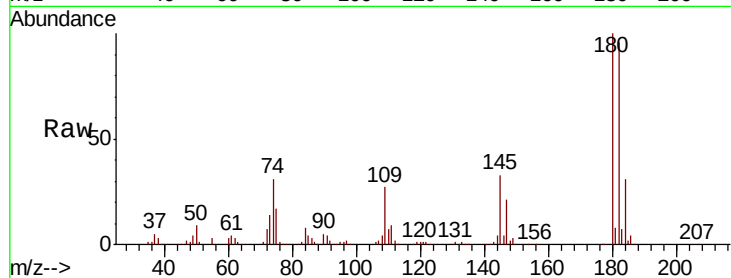
Ion Ratio Lower Upper

180 100

182 95.2 76.3 114.5

184 31.0 25.1 37.7

145 33.2 26.9 40.3

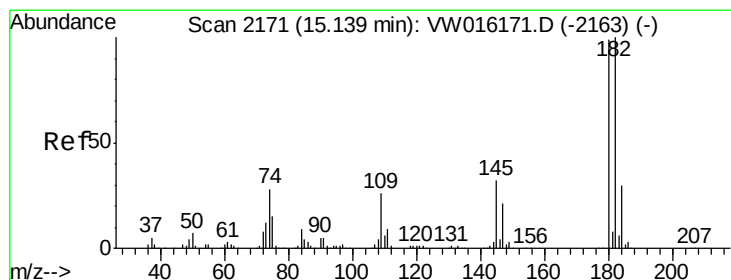
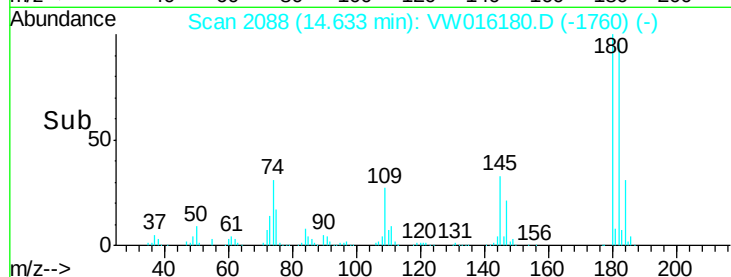
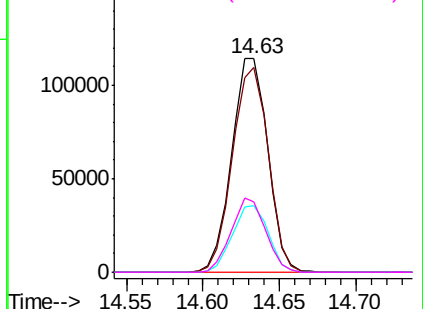


Abundance Ion 180.00 (179.70 to 180.70): V

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: 24.560 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. -0.01 min

Lab File: VW016180.D

Acq: 13 Aug 2020 17:29

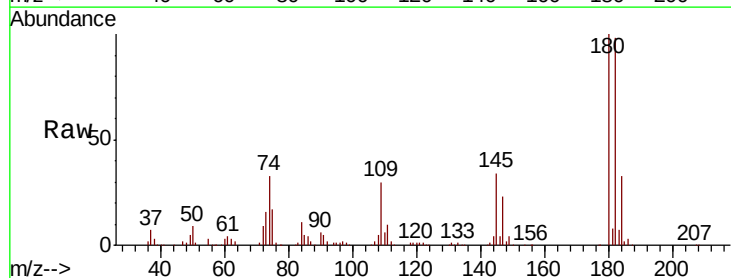
Tgt Ion:180 Resp: 155017

Ion Ratio Lower Upper

180 100

182 93.3 77.8 116.8

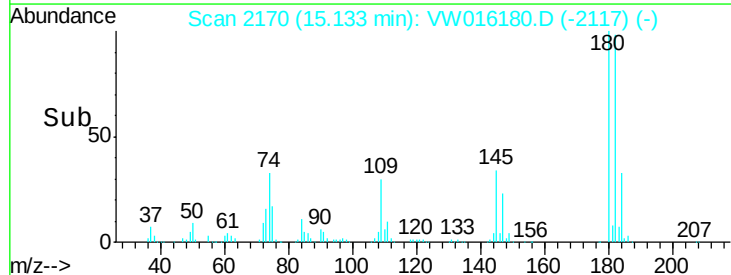
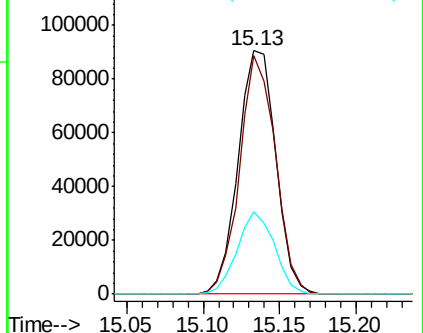
145 33.1 26.5 39.7

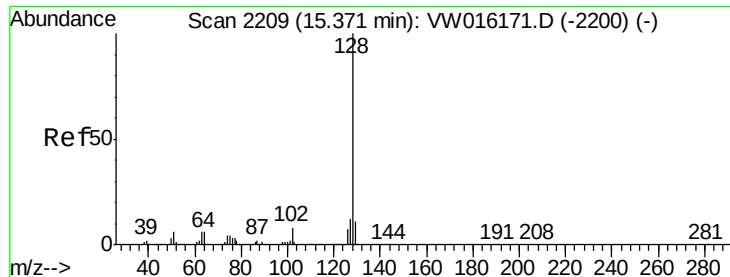


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 24.408 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW016180.D

Acq: 13 Aug 2020 17:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

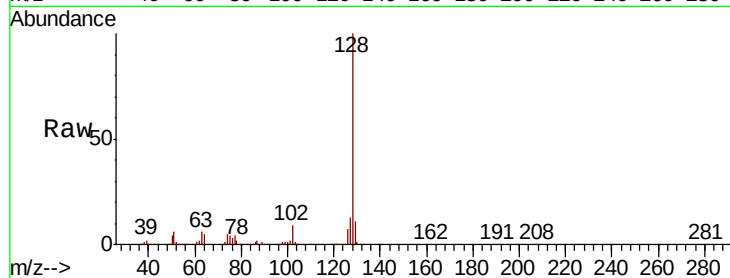
Tot Ion:128 Resp: 325183

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

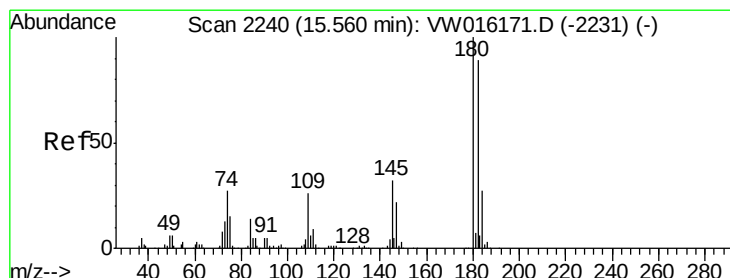
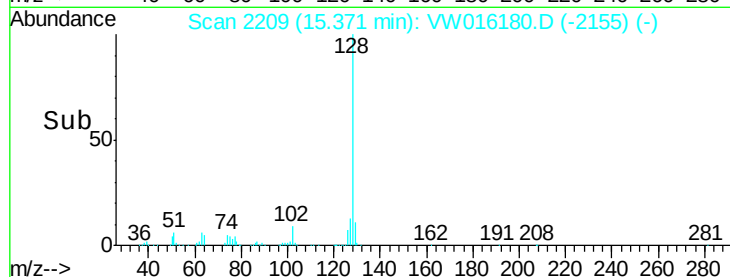
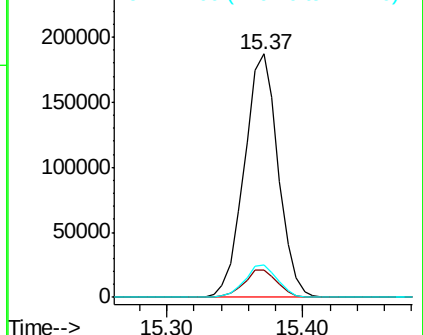
127 13.0 10.3 15.5



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: 24.026 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW016180.D

Acq: 13 Aug 2020 17:29

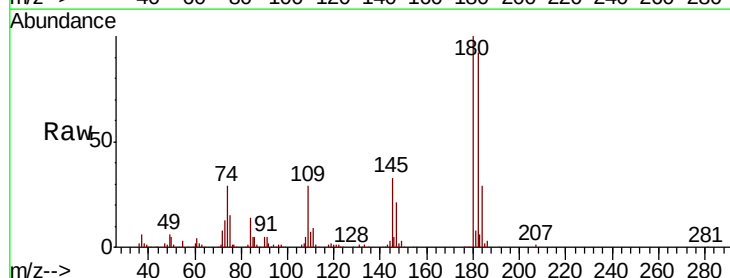
Tgt Ion:180 Resp: 137769

Ion Ratio Lower Upper

180 100

182 95.2 76.0 114.0

145 36.1 29.9 44.9



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

