

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081320\
 Data File : VW016171.D
 Acq On : 13 Aug 2020 09:50
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

Quant Time: Aug 14 06:16:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 13 18:03:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	419600	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	393761	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	188949	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	102429	19.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.76%
7) Chloroethane-d5	2.89	69	80403	20.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.44%
10) 1,1-Dichloroethene-d2	4.01	63	247589	22.41	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.64%
20) 2-Butanone-d5	7.09	46	59195	43.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.48%
24) Chloroform-d	7.65	84	240393	21.35	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.40%
26) 1,2-Dichloroethane-d4	8.31	65	121570	20.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	81.32%
29) Benzene-d6	8.27	84	470292	21.96	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.84%
33) 1,2-Dichloropropane-d6	9.27	67	136607	21.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.76%
37) Toluene-d8	10.32	98	432608	22.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.08%
38) trans-1,3-Dichloropropene-	10.58	79	58941	20.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.28%
39) 2-Hexanone-d5	10.93	63	47573	43.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.56%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	116098	22.64	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.56%
61) 1,2-Dichlorobenzene-d4	13.86	152	142877	21.33	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.32%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	124777	29.437	ug/L 95
3) Chloromethane	2.21	50	102459	24.340	ug/L 97
5) Vinyl chloride	2.37	62	147909	26.475	ug/L 99
6) Bromomethane	2.78	94	89924	25.700	ug/L 100
8) Chloroethane	2.93	64	82489	26.221	ug/L 99
9) Trichlorofluoromethane	3.26	101	111821	28.040	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	160592	28.496	ug/L 97
12) 1,1-Dichloroethene	4.03	96	152690	28.352	ug/L 91
13) Acetone	4.13	43	52756	50.945	ug/L 96
14) Carbon disulfide	4.37	76	481604	28.489	ug/L 100
15) Methyl Acetate	4.67	43	60854	24.992	ug/L 96
16) Methylene chloride	4.92	84	154166	23.268	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	198115	25.959	ug/L 98
18) trans-1,2-Dichloroethene	5.42	96	157925	27.878	ug/L 91
19) 1,1-Dichloroethane	6.21	63	263580	26.297	ug/L 98
21) 2-Butanone	7.18	43	77892	47.460	ug/L 97
22) cis-1,2-Dichloroethene	7.17	96	160898	26.924	ug/L 96

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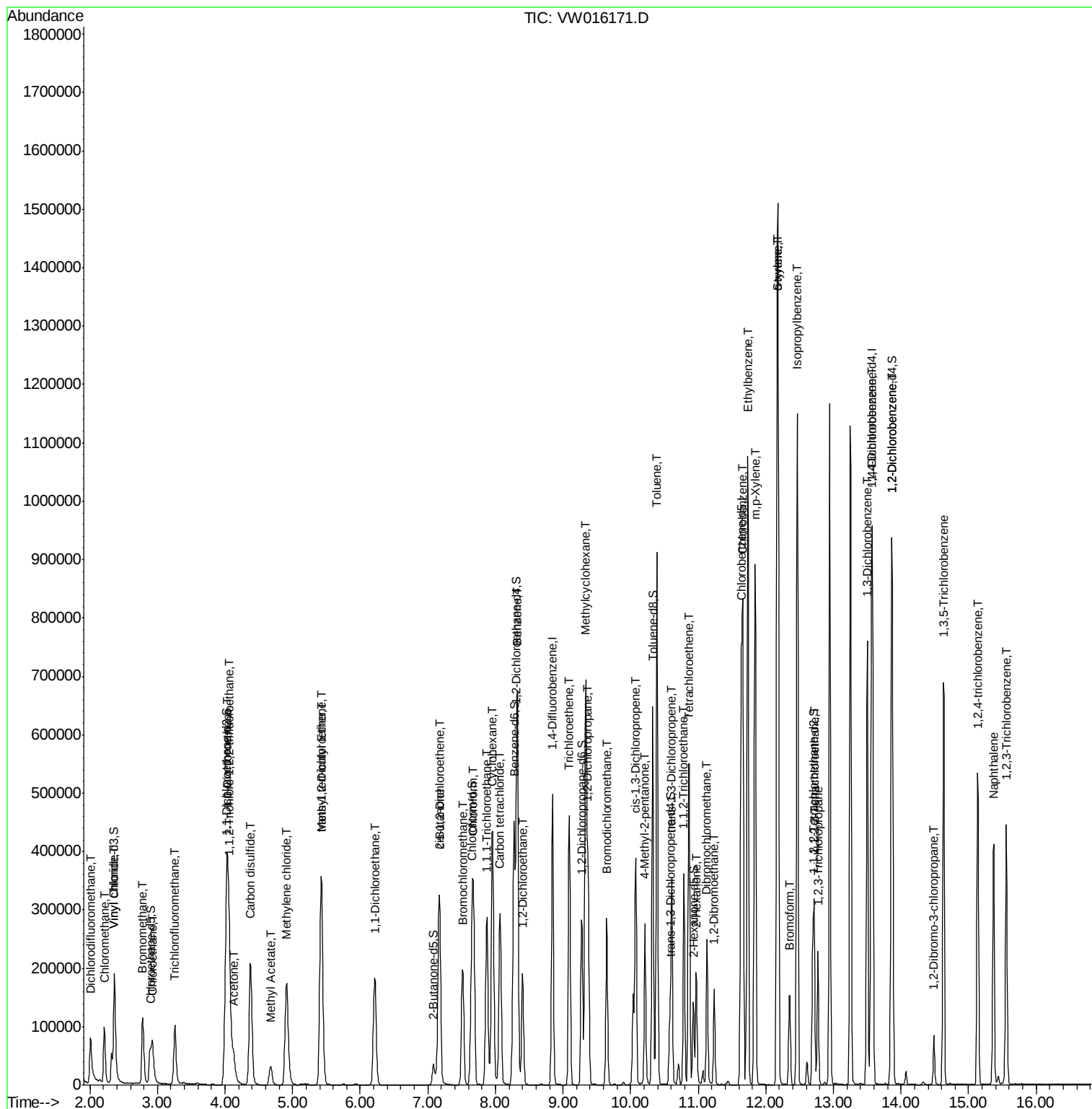
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	74697	27.234	ug/L	94
25) Chloroform	7.68	83	278496	26.117	ug/L	99
27) 1,2-Dichloroethane	8.40	62	173895	24.481	ug/L	100
30) Cyclohexane	7.96	56	243312	28.399	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	240803	26.614	ug/L	99
32) Carbon tetrachloride	8.07	117	230478	26.932	ug/L	100
34) Benzene	8.32	78	621535	27.372	ug/L	100
35) Trichloroethene	9.09	95	165098	27.040	ug/L	97
36) Methylcyclohexane	9.34	83	290648	28.897	ug/L	98
40) 1,2-Dichloropropane	9.37	63	148566	26.643	ug/L	99
41) Bromodichloromethane	9.65	83	195744	25.554	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	230630	27.158	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	167638	49.983	ug/L	98
44) Toluene	10.39	91	675739	28.191	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	202314	26.520	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	115718	26.363	ug/L	99
47) Tetrachloroethene	10.86	164	123446	26.969	ug/L	92
49) 2-Hexanone	10.97	43	116906	51.657	ug/L	98
50) Dibromochloromethane	11.13	129	137704	26.637	ug/L	98
51) 1,2-Dibromoethane	11.24	107	111884	26.887	ug/L	97
52) Chlorobenzene	11.66	112	431634	27.216	ug/L	94
53) Ethylbenzene	11.73	91	754118	27.729	ug/L	99
54) m,p-Xylene	11.84	106	286401	27.996	ug/L	99
55) o-xylene	12.16	106	267813	27.793	ug/L	97
56) Styrene	12.18	104	475123	28.479	ug/L	100
57) Isopropylbenzene	12.46	105	748529	28.811	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	135033	26.366	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	98868	25.482	ug/L	99
62) Bromoform	12.35	173	73641	25.774	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	315747	26.458	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	319441	26.275	ug/L	94
65) 1,2-Dichlorobenzene	13.87	146	282633	25.831	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	22149	23.085	ug/L	89
67) 1,3,5-Trichlorobenzene	14.63	180	209247	27.787	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	163282	26.753	ug/L	100
69) Naphthalene	15.37	128	355831	27.621	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	153716	27.722	ug/L	98

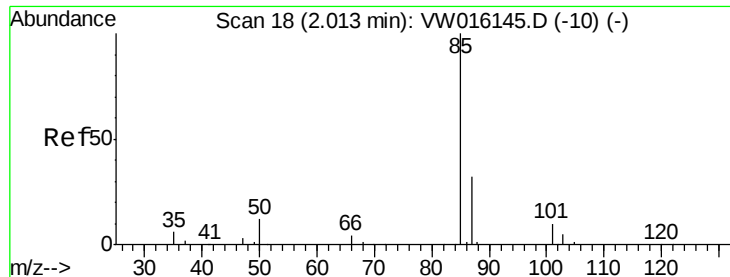
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 29.437 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW016171.D

Acq: 13 Aug 2020 09:50

Instrument :

MSVOA_W

ClientSampleId :

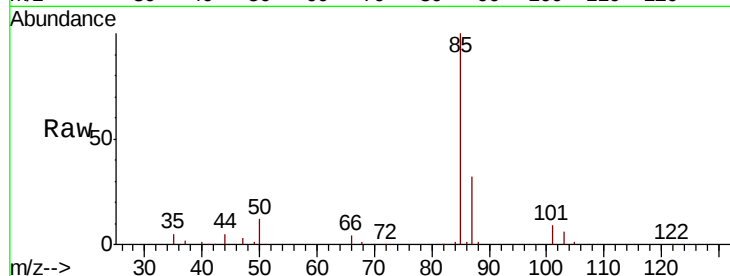
VSTD02513

Tot Ion: 85 Resp: 124777

Ion Ratio Lower Upper

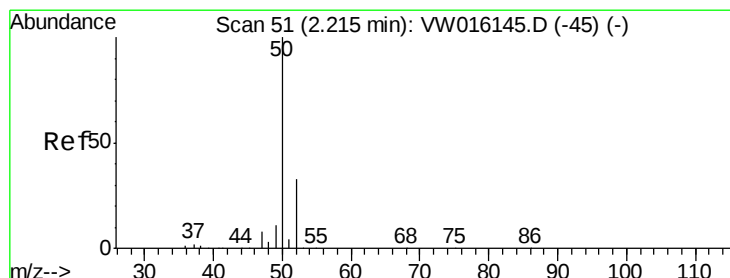
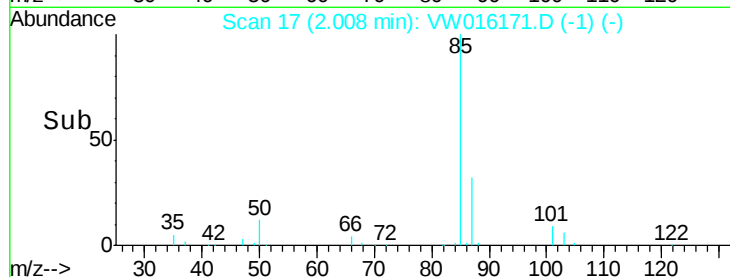
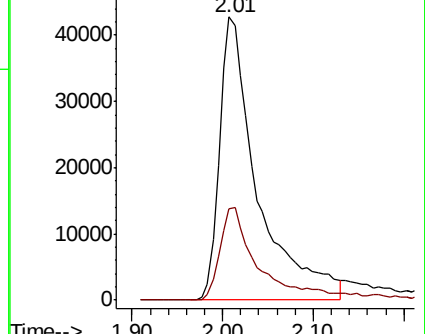
85 100

87 28.8 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: 24.340 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW016171.D

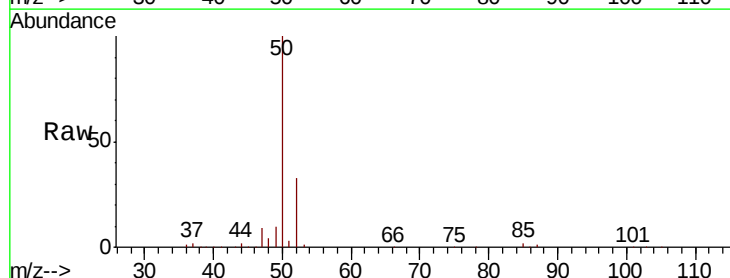
Acq: 13 Aug 2020 09:50

Tgt Ion: 50 Resp: 102459

Ion Ratio Lower Upper

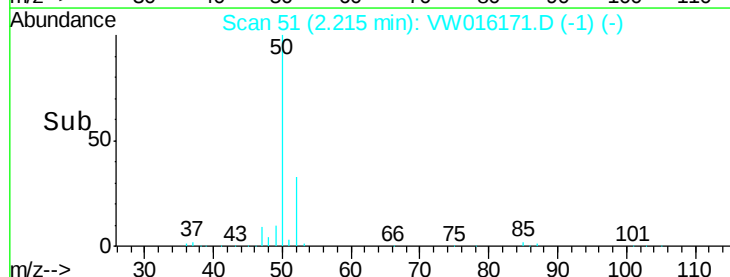
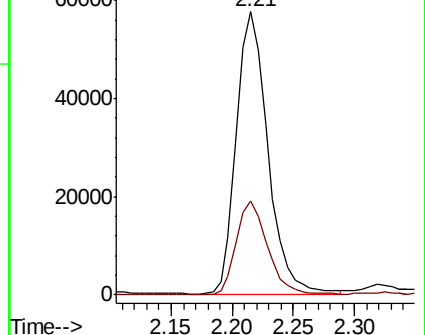
50 100

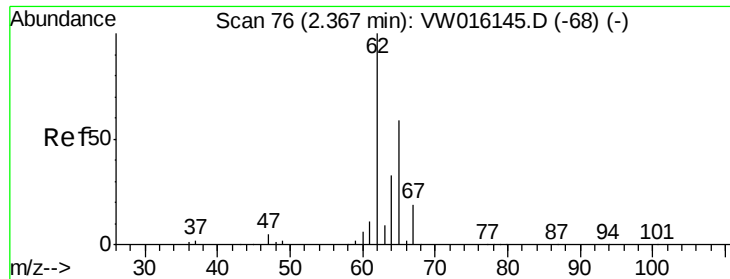
52 33.3 22.0 40.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 26.475 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016171.D

Acq: 13 Aug 2020 09:50

Instrument :

MSVOA_W

ClientSampled :

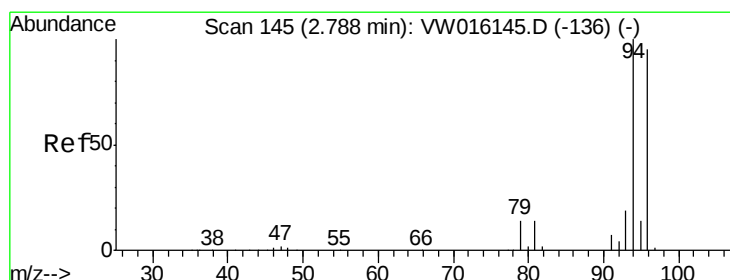
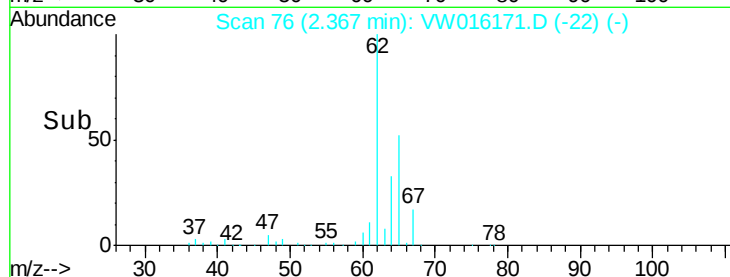
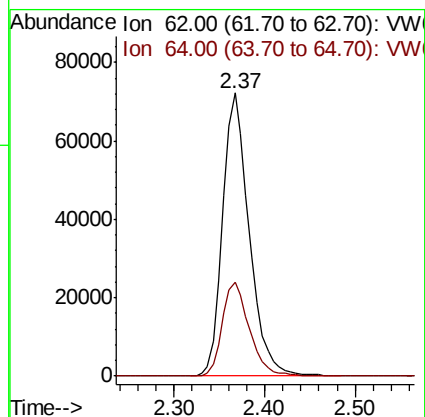
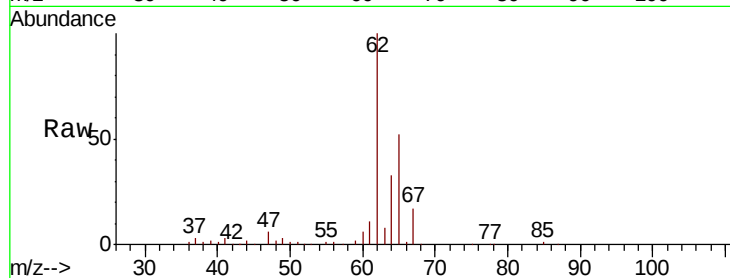
VSTD02513

Tot Ion: 62 Resp: 147909

Ion Ratio Lower Upper

62 100

64 33.3 23.0 42.8



#6

Bromomethane

Concen: 25.700 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW016171.D

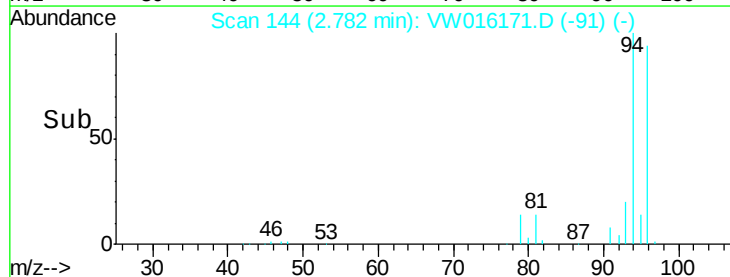
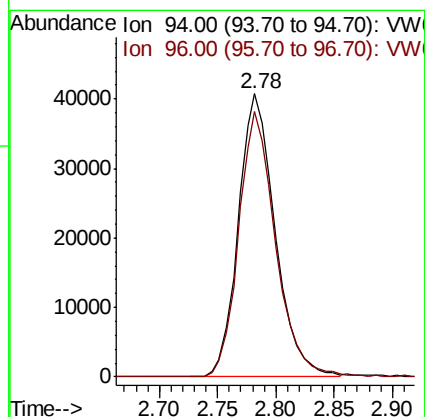
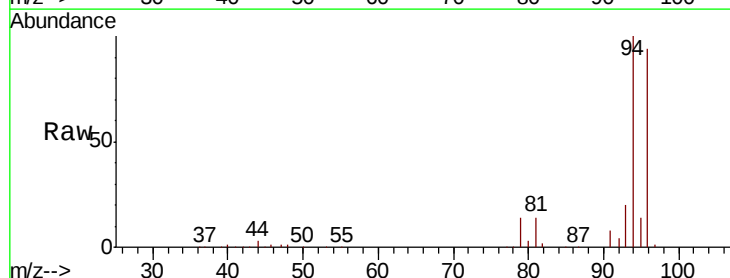
Acq: 13 Aug 2020 09:50

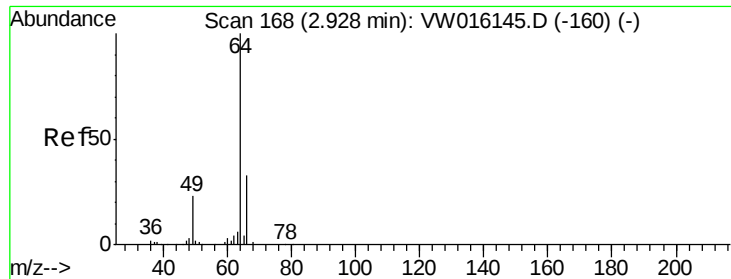
Tgt Ion: 94 Resp: 89924

Ion Ratio Lower Upper

94 100

96 93.5 9.4 178.2





#8

Chloroethane

Concen: 26.221 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW016171.D

Acq: 13 Aug 2020 09:50

Instrument :

MSVOA_W

ClientSampleId :

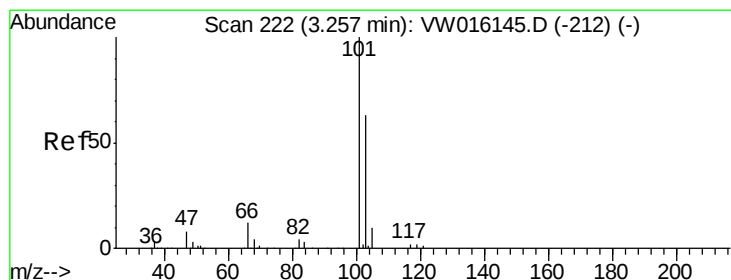
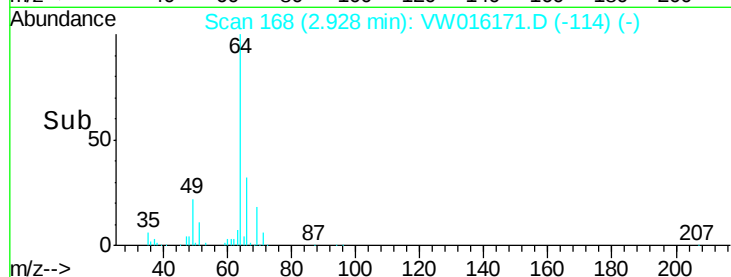
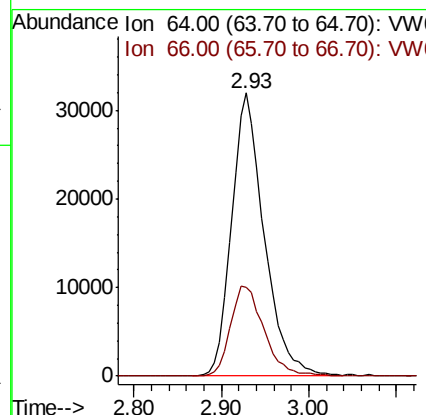
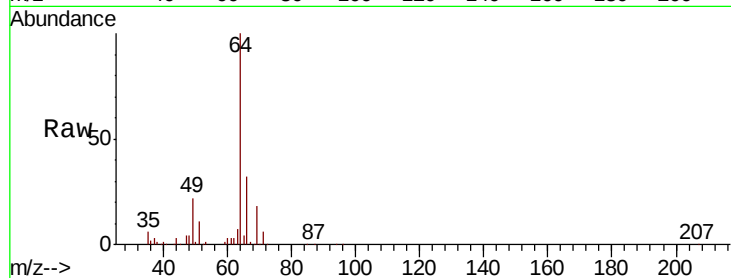
VSTD02513

Tot Ion: 64 Resp: 82489

Ion Ratio Lower Upper

64 100

66 31.5 21.8 40.4



#9

Trichlorofluoromethane

Concen: 28.040 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW016171.D

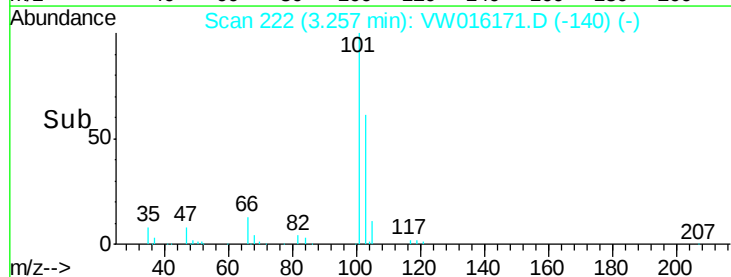
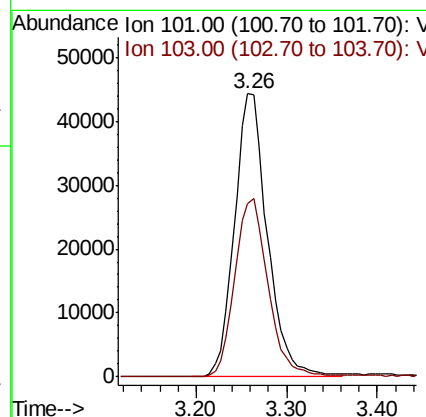
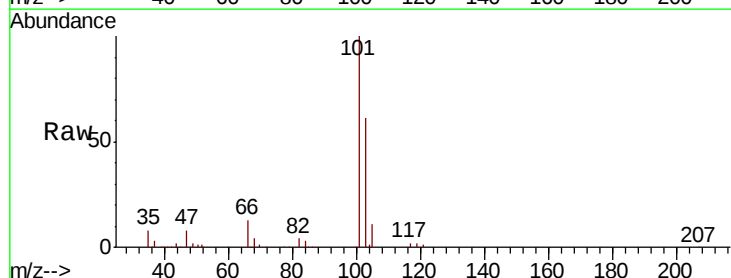
Acq: 13 Aug 2020 09:50

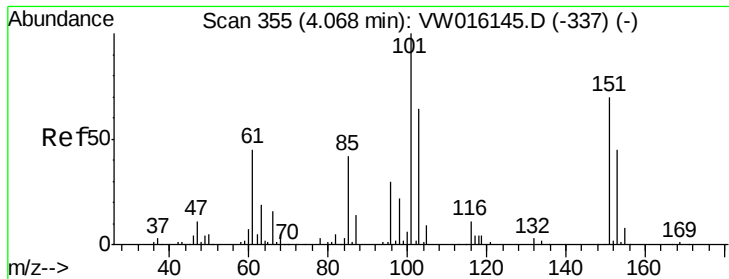
Tgt Ion: 101 Resp: 111821

Ion Ratio Lower Upper

101 100

103 63.6 45.6 84.6





#11

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

Concen: 28.496 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW016171.D

Acq: 13 Aug 2020 09:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD02513

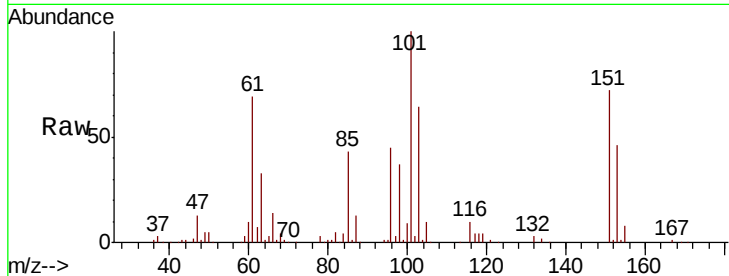
Tot Ion:101 Resp: 160592

Ion Ratio Lower Upper

101 100

85 40.4 34.2 51.4

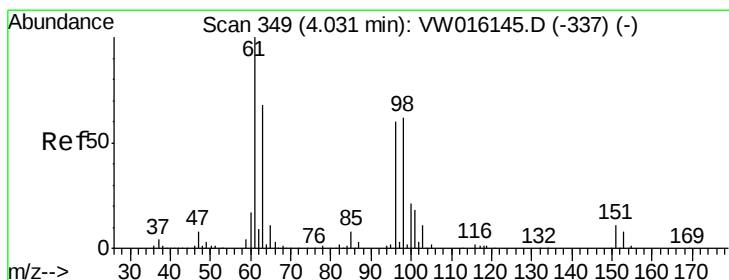
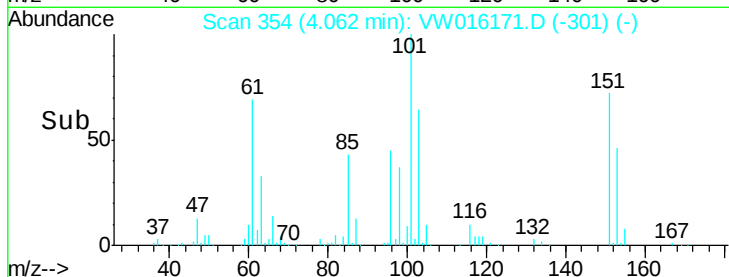
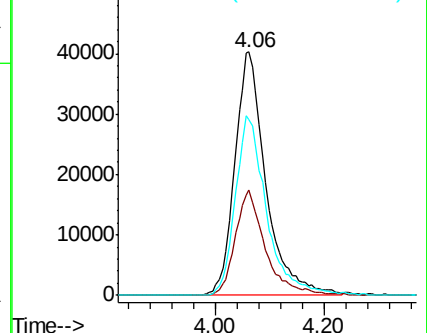
151 73.9 57.4 86.2



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: 28.352 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW016171.D

Acq: 13 Aug 2020 09:50

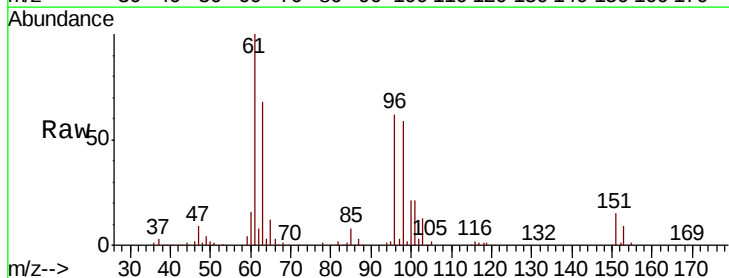
Tgt Ion: 96 Resp: 152690

Ion Ratio Lower Upper

96 100

61 161.3 120.2 223.2

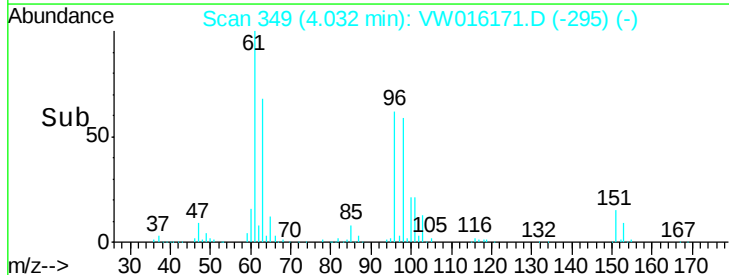
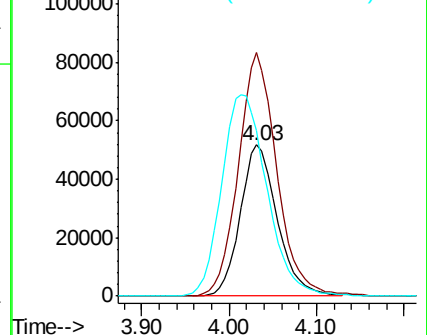
63 110.0 86.4 160.4

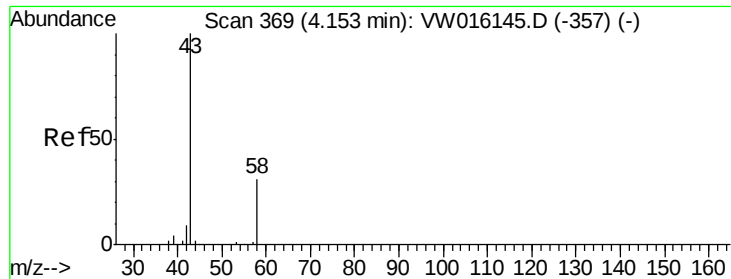


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 50.945 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.02 min

Lab File: VW016171.D

Acq: 13 Aug 2020 09:50

Instrument :

MSVOA_W

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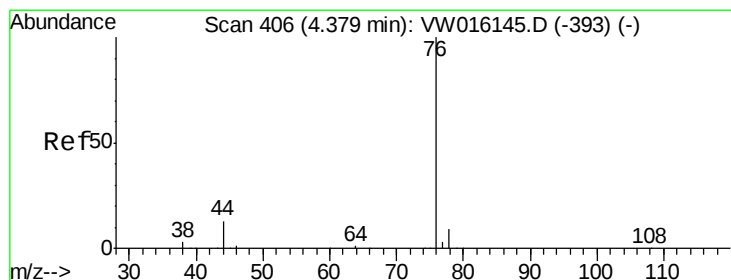
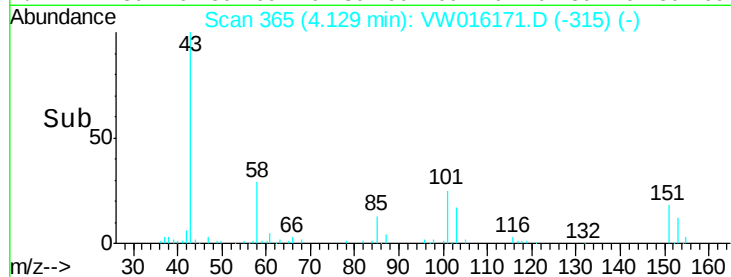
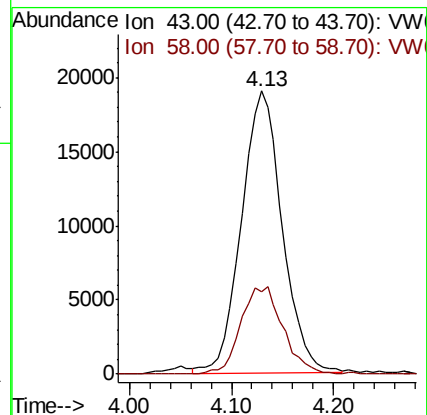
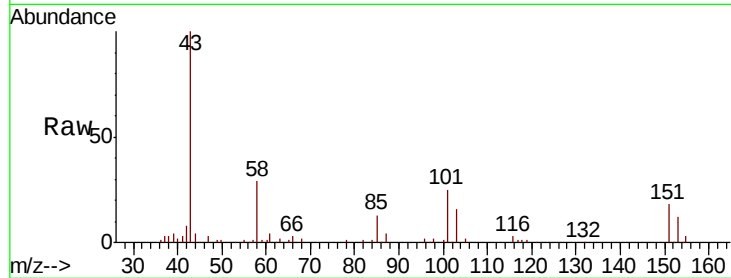
VSTD02513

Tot Ion: 43 Resp: 52756

Ion Ratio Lower Upper

43 100

58 32.1 0.0 59.4



#14

Carbon disulfide

Concen: 28.489 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW016171.D

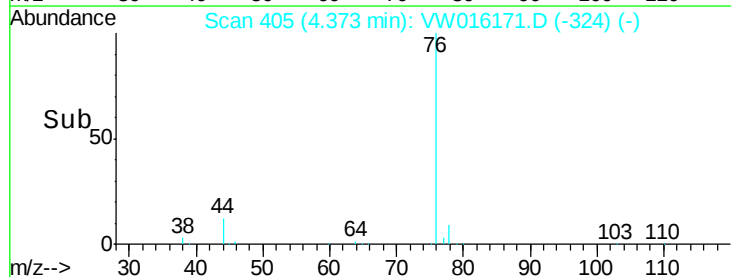
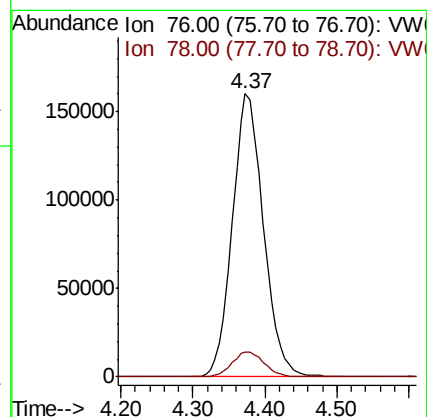
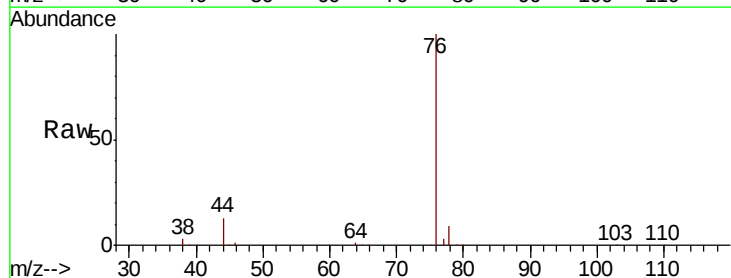
Acq: 13 Aug 2020 09:50

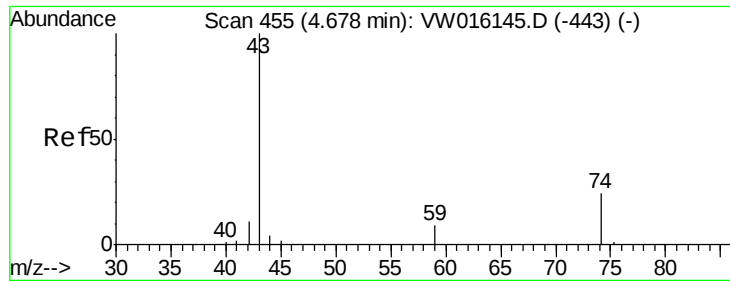
Tgt Ion: 76 Resp: 481604

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.4

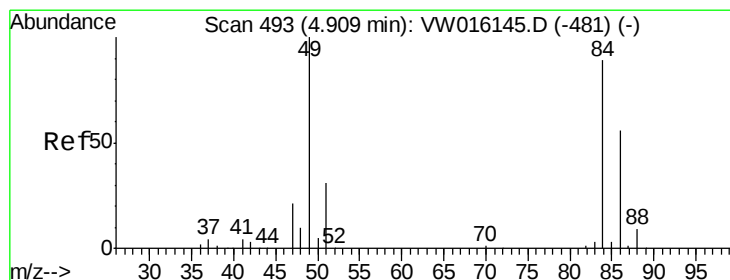
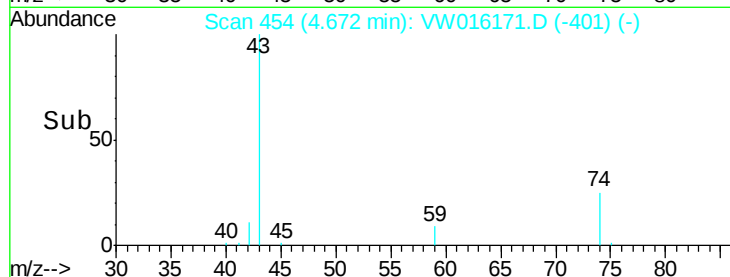
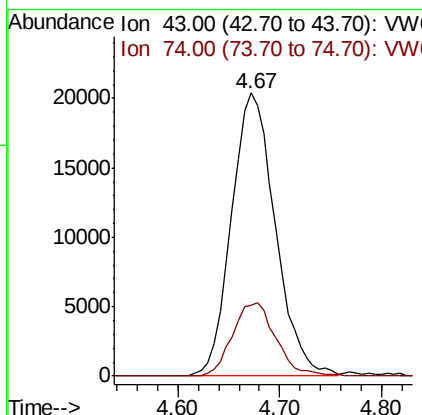
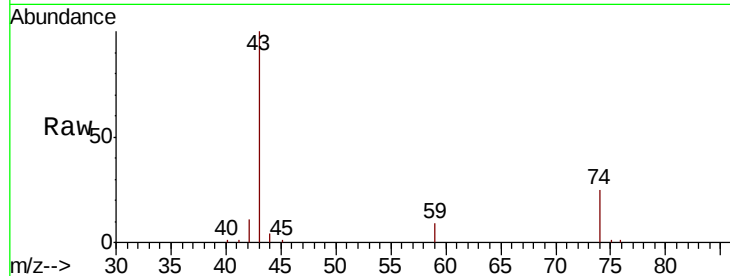




#15
Methvl Acetate
Concen: 24.992 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW016171.D
Acq: 13 Aug 2020 09:50

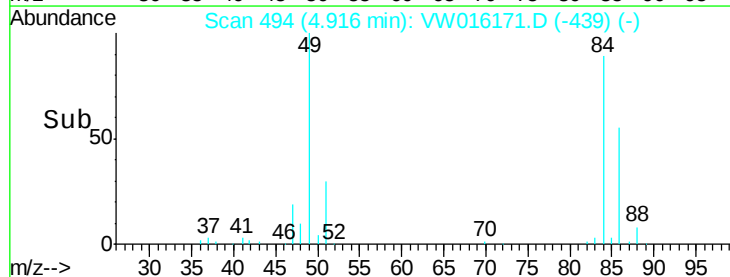
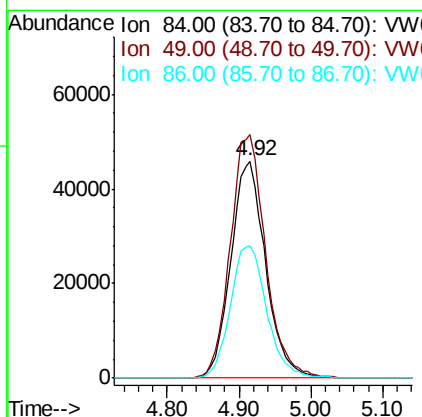
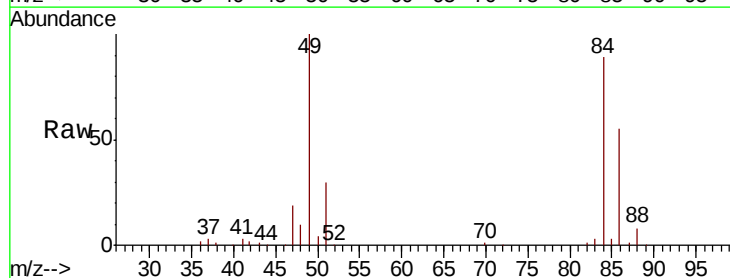
Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

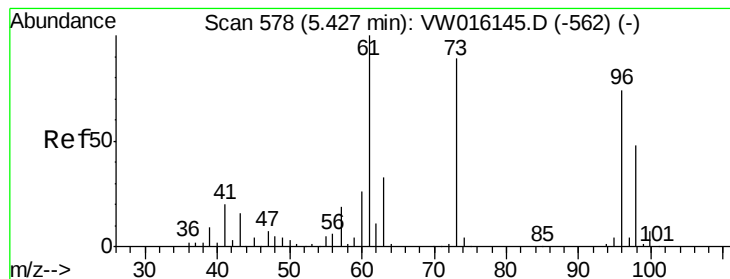
Tot Ion: 43 Resp: 60854
Ion Ratio Lower Upper
43 100
74 25.4 18.9 28.3



#16
Methylene chloride
Concen: 23.268 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW016171.D
Acq: 13 Aug 2020 09:50

Tgt Ion: 84 Resp: 154166
Ion Ratio Lower Upper
84 100
49 112.1 80.4 149.4
86 61.2 43.8 81.3



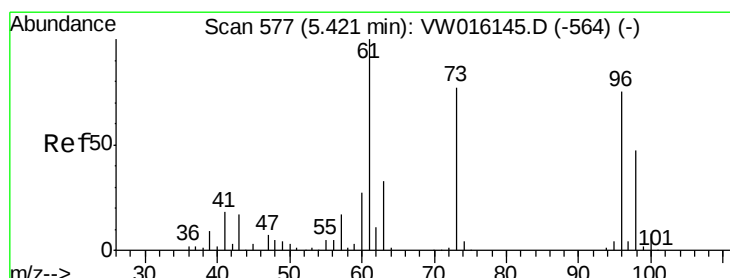
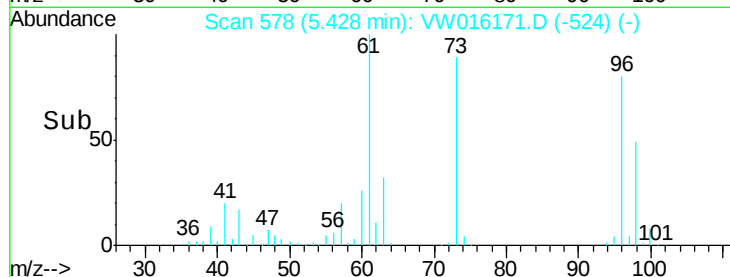
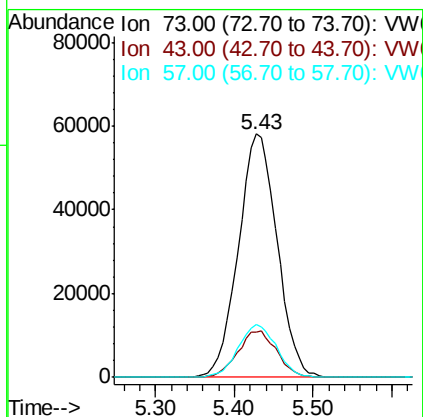
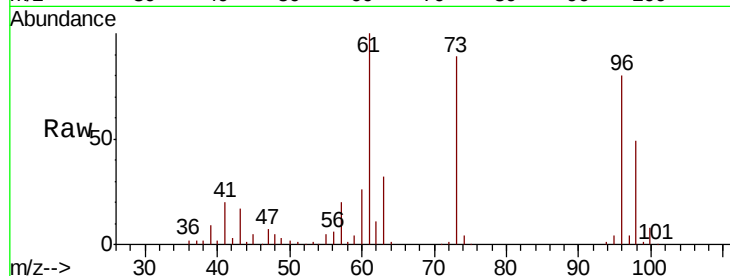


#17

Methvl tert-butvl Ether
 Concen: 25.959 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW016171.D
 Acq: 13 Aug 2020 09:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

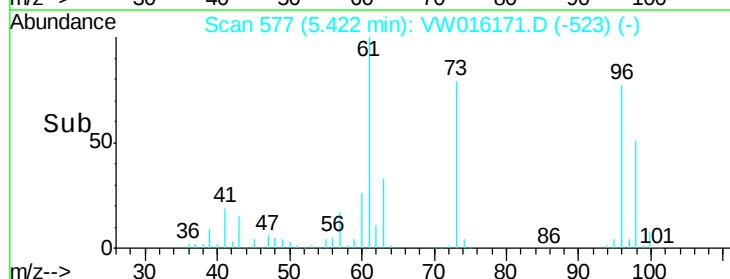
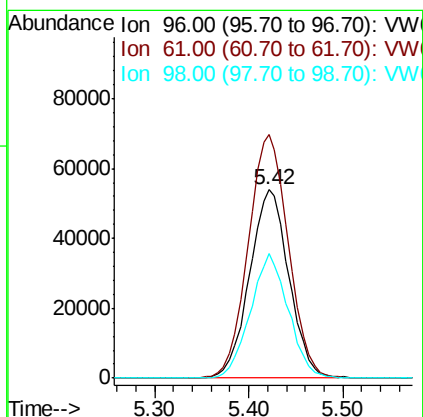
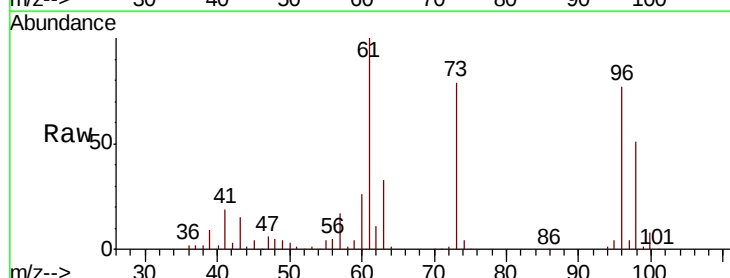
Tot Ion:	73	Resp:	198115
Ion	Ratio	Lower	Upper
73	100		
43	19.3	16.6	24.8
57	21.5	17.1	25.7

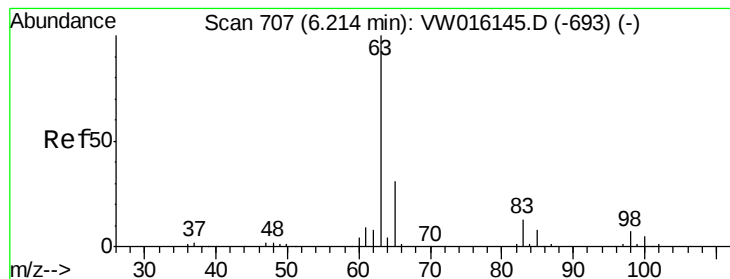


#18

trans-1,2-Dichloroethene
 Concen: 27.878 ug/L
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW016171.D
 Acq: 13 Aug 2020 09:50

Tgt Ion:	96	Resp:	157925
Ion	Ratio	Lower	Upper
96	100		
61	129.3	101.6	188.8
98	66.2	47.7	88.7





#19

1,1-Dichloroethane

Concen: 26.297 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW016171.D

Acq: 13 Aug 2020 09:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD02513

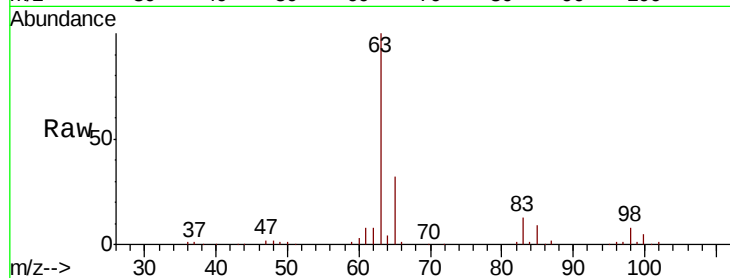
Tot Ion: 63 Resp: 263580

Ion Ratio Lower Upper

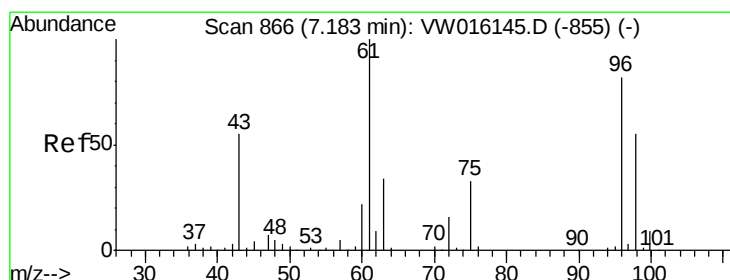
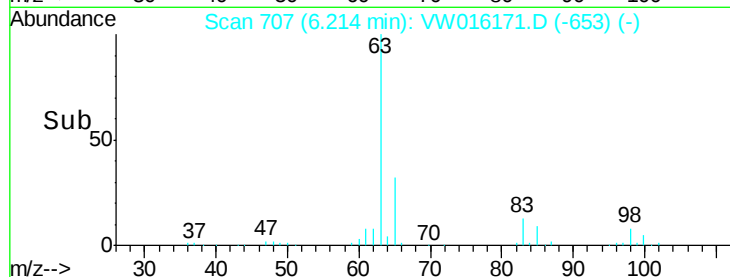
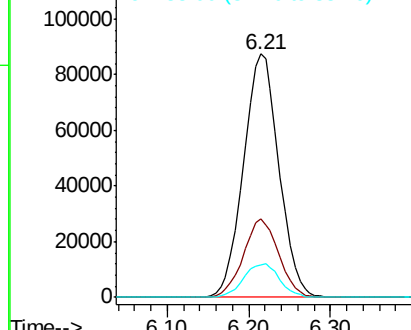
63 100

65 32.1 21.6 40.0

83 13.4 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: 47.460 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW016171.D

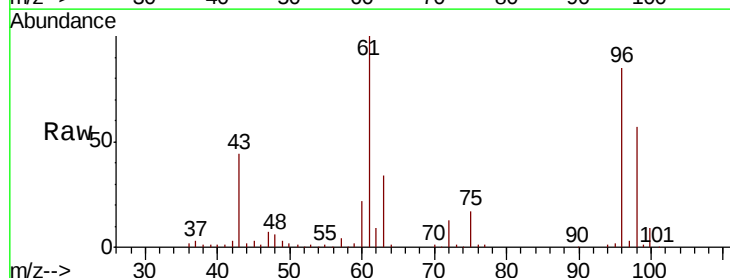
Acq: 13 Aug 2020 09:50

Tgt Ion: 43 Resp: 77892

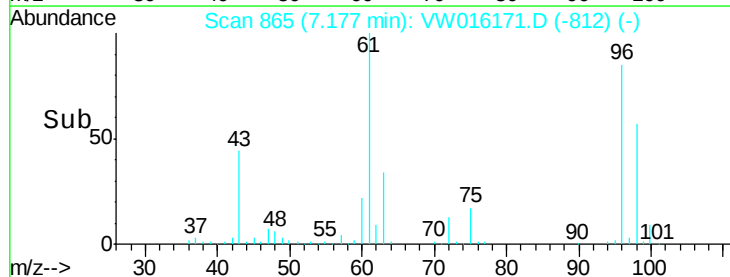
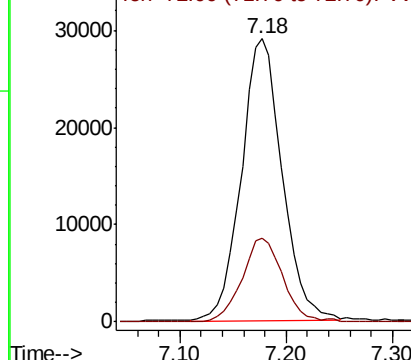
Ion Ratio Lower Upper

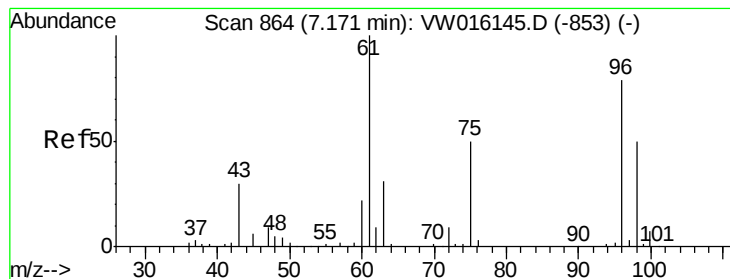
43 100

72 29.2 13.9 41.7



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



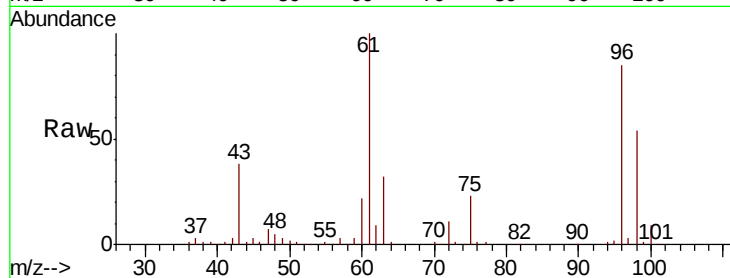


#22

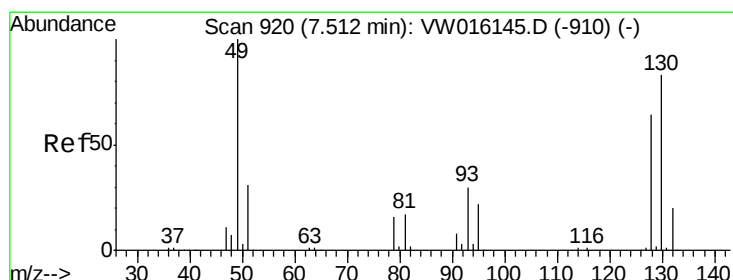
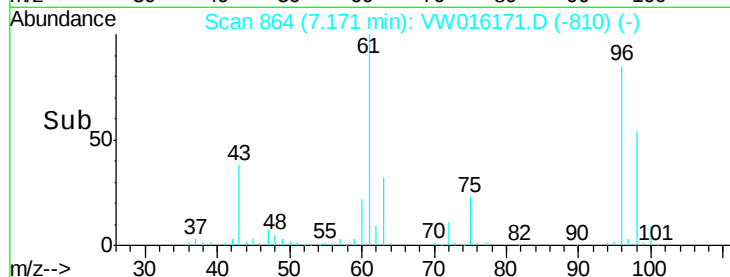
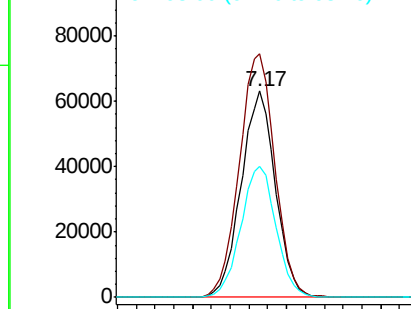
cis-1,2-Dichloroethene
 Concen: 26.924 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW016171.D
 Acq: 13 Aug 2020 09:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

Tot Ion: 96 Resp: 160898
 Ion Ratio Lower Upper
 96 100
 61 118.1 87.0 161.6
 98 63.4 44.0 81.6



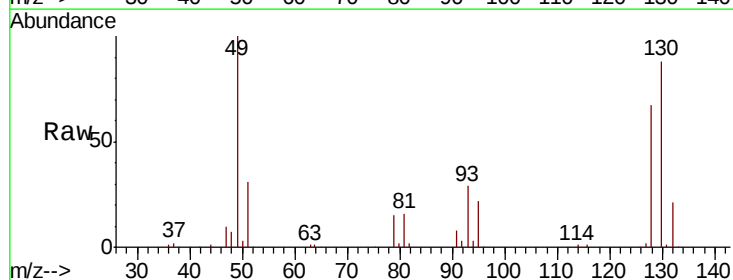
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



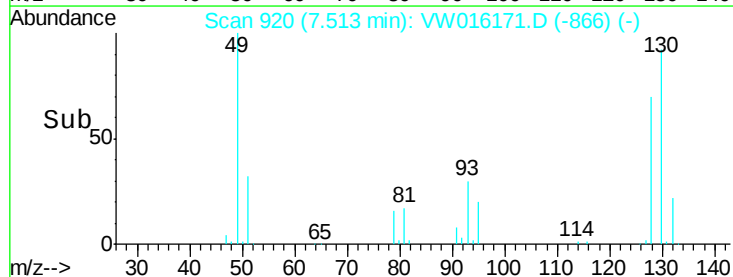
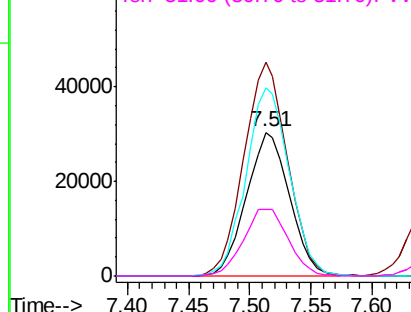
#23

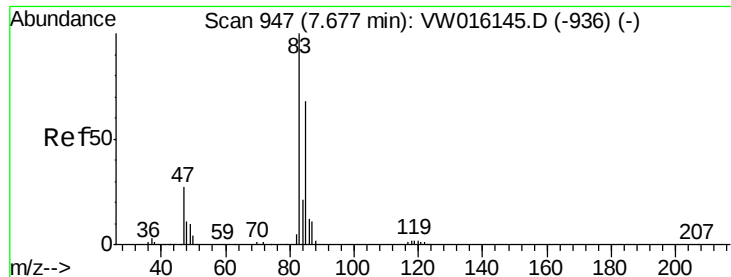
Bromochloromethane
 Concen: 27.234 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW016171.D
 Acq: 13 Aug 2020 09:50

Tgt Ion: 128 Resp: 74697
 Ion Ratio Lower Upper
 128 100
 49 148.9 111.8 207.6
 130 131.1 90.6 168.3
 51 46.3 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: 26.117 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW016171.D

Acq: 13 Aug 2020 09:50

Instrument :

MSVOA_W

ClientSampleId :

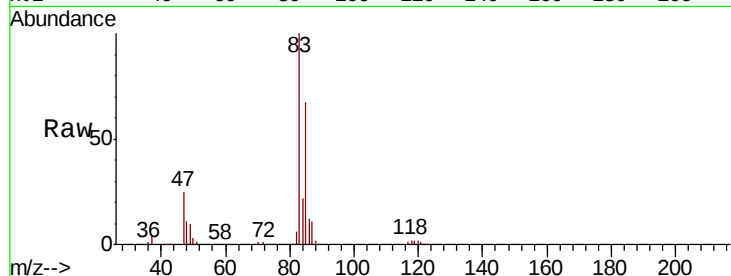
VSTD02513

Tot Ion: 83 Resp: 278496

Ion Ratio Lower Upper

83 100

85 66.2 46.0 85.4



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

7.68

120000

100000

80000

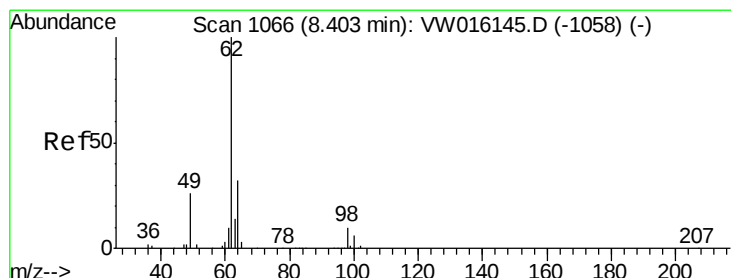
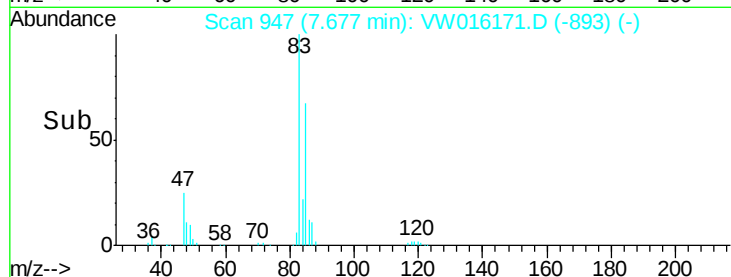
60000

40000

20000

0

Time-->



#27

1,2-Dichloroethane

Concen: 24.481 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW016171.D

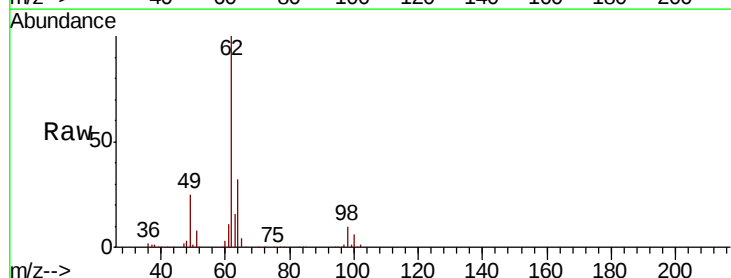
Acq: 13 Aug 2020 09:50

Tgt Ion: 62 Resp: 173895

Ion Ratio Lower Upper

62 100

98 9.6 7.7 11.5



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

8.40

80000

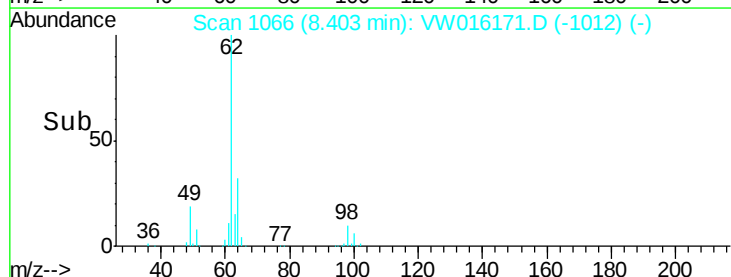
60000

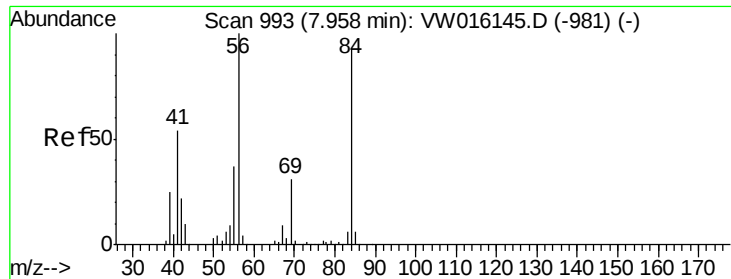
40000

20000

0

Time-->

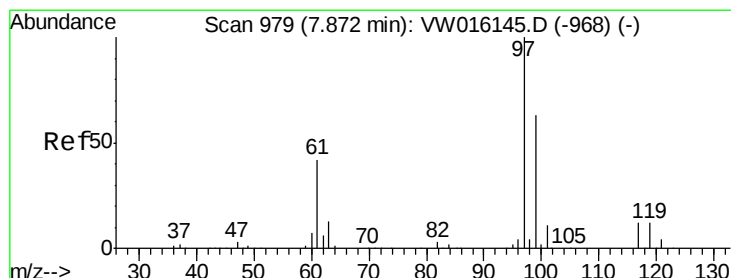
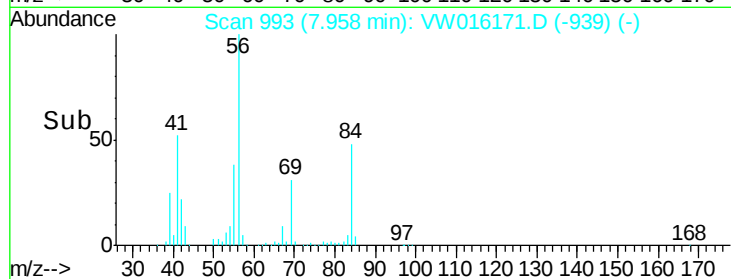
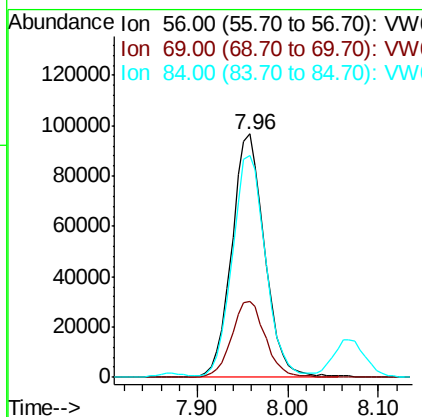
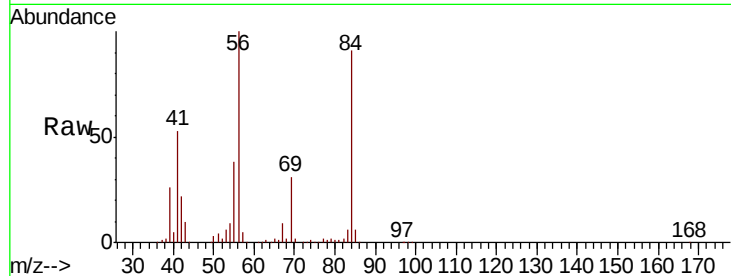




#30
Cyclohexane
Concen: 28.399 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW016171.D
Acq: 13 Aug 2020 09:50

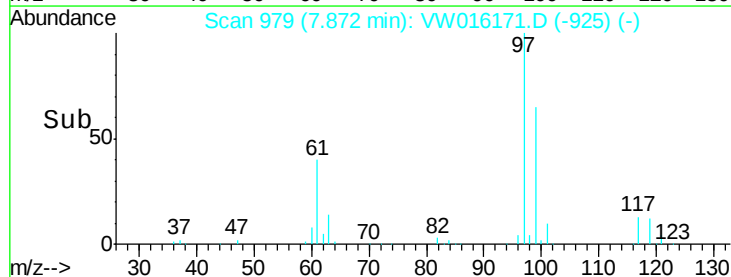
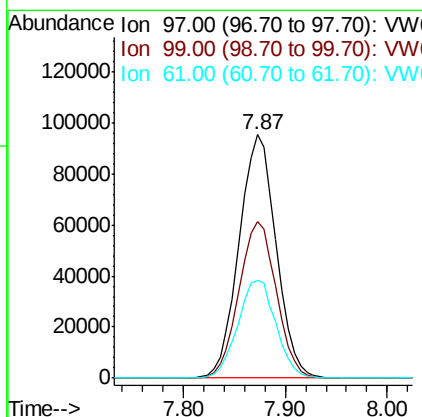
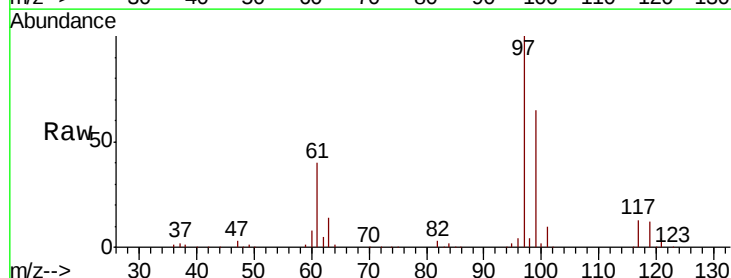
Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

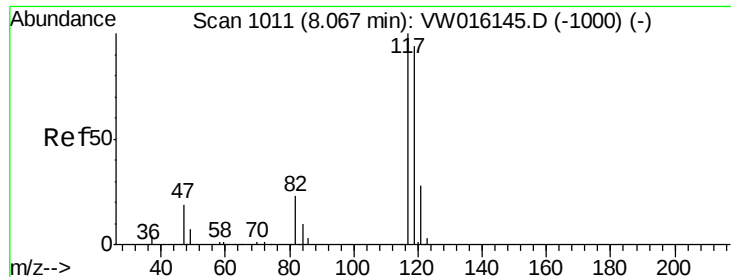
Tot Ion: 56 Resp: 243312
Ion Ratio Lower Upper
56 100
69 32.1 25.4 38.0
84 92.5 73.0 109.6



#31
1,1,1-Trichloroethane
Concen: 26.614 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW016171.D
Acq: 13 Aug 2020 09:50

Tgt Ion: 97 Resp: 240803
Ion Ratio Lower Upper
97 100
99 65.0 51.6 77.4
61 41.4 34.5 51.7





#32

Carbon tetrachloride

Concen: 26.932 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW016171.D

Acq: 13 Aug 2020 09:50

Instrument :

MSVOA_W

ClientSampleId :

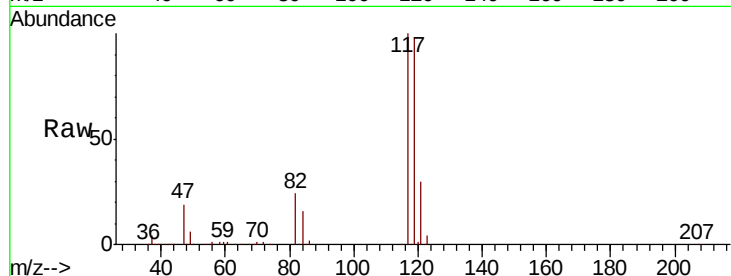
VSTD02513

Tot Ion:117 Resp: 230478

Ion Ratio Lower Upper

117 100

119 94.2 75.2 112.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

100000

80000

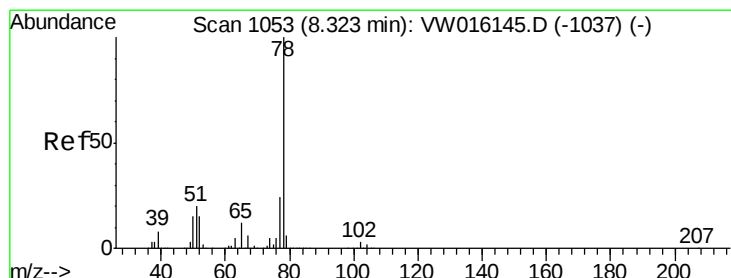
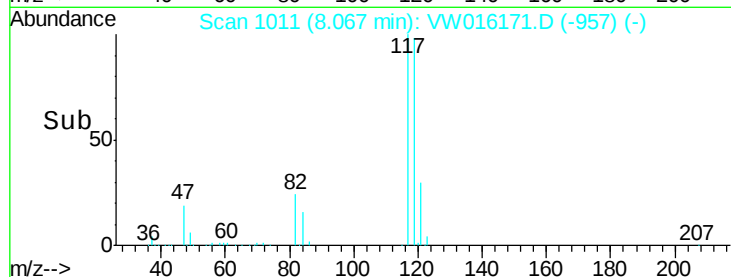
60000

40000

20000

0

Time--> 7.95 8.00 8.05 8.10 8.15



#34

Benzene

Concen: 27.372 ug/L

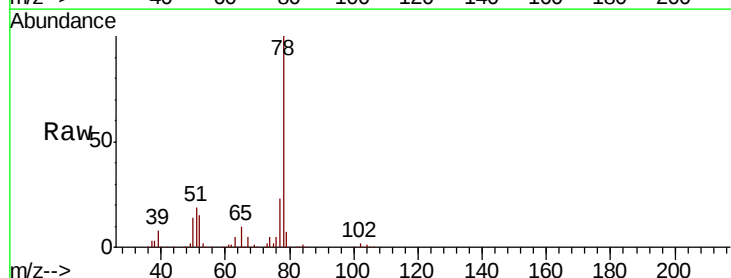
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW016171.D

Acq: 13 Aug 2020 09:50

Tgt Ion: 78 Resp: 621535



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

300000

250000

200000

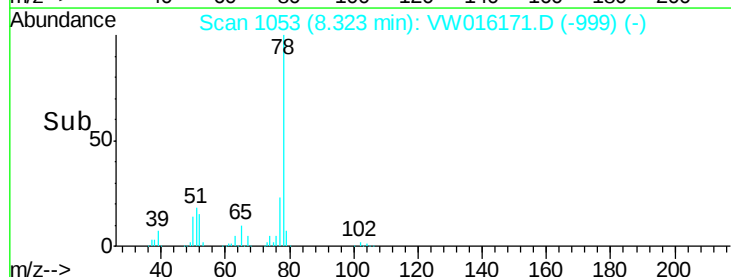
150000

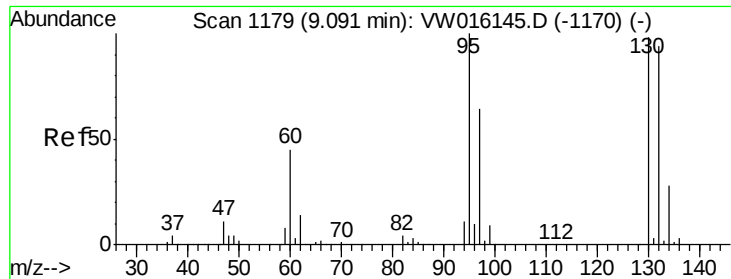
100000

50000

0

Time--> 8.20 8.30 8.40





#35

Trichloroethene

Concen: 27.040 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW016171.D

Acq: 13 Aug 2020 09:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD02513

Tot Ion: 95 Resp: 165098

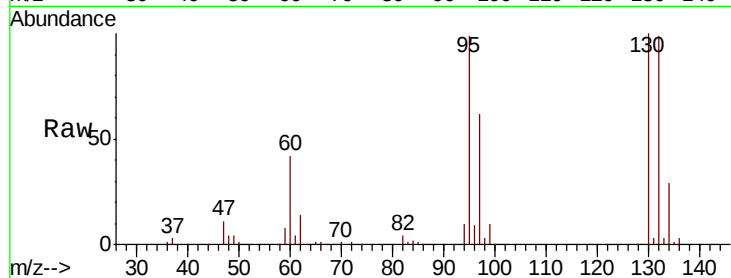
Ion Ratio Lower Upper

95 100

97 65.0 44.9 83.3

132 97.2 65.8 122.2

130 103.3 69.5 129.1

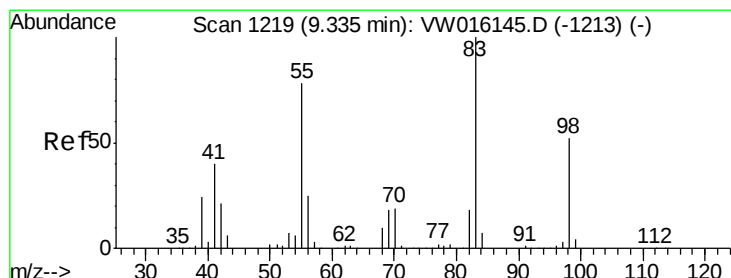
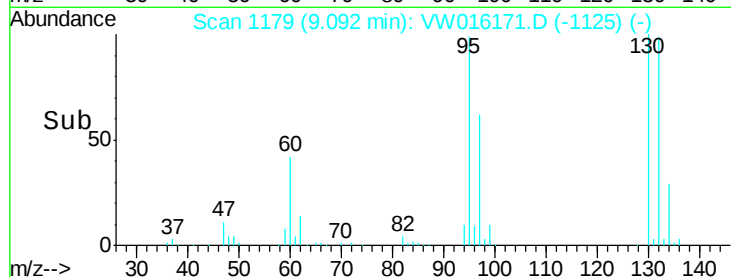
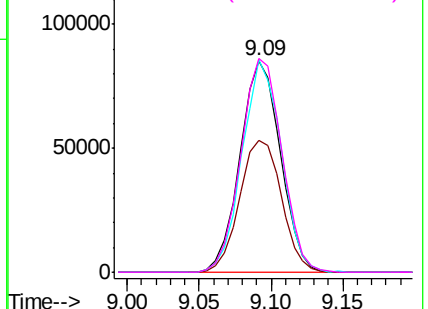


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 28.897 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW016171.D

Acq: 13 Aug 2020 09:50

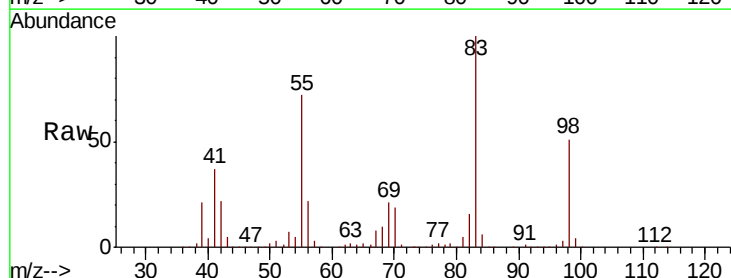
Tgt Ion: 83 Resp: 290648

Ion Ratio Lower Upper

83 100

55 73.2 60.7 91.1

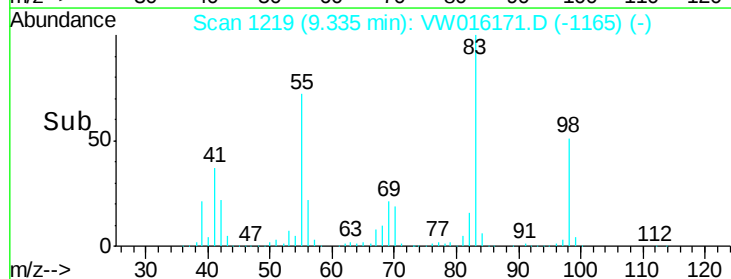
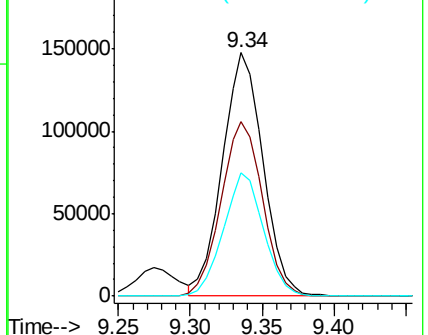
98 50.2 39.4 59.0

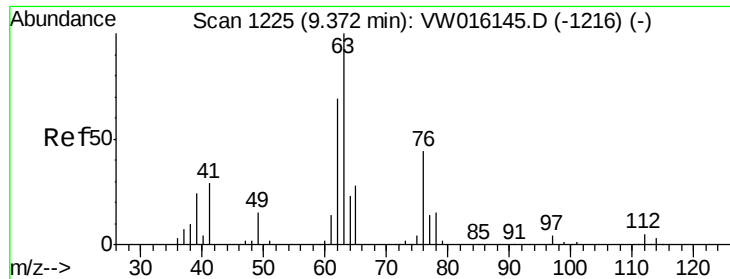


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

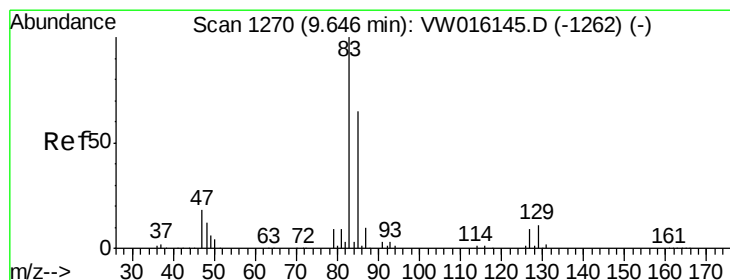
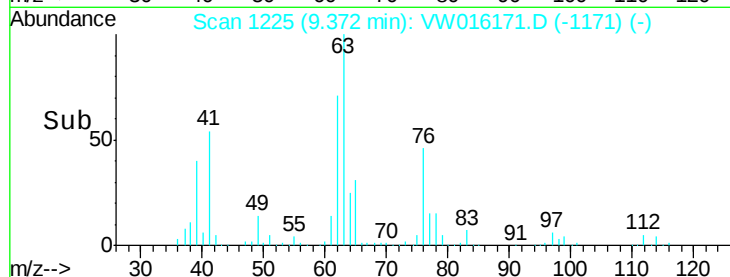
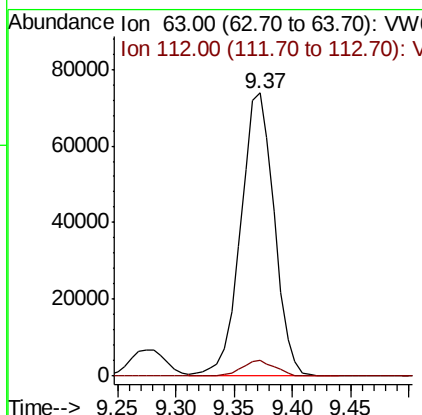
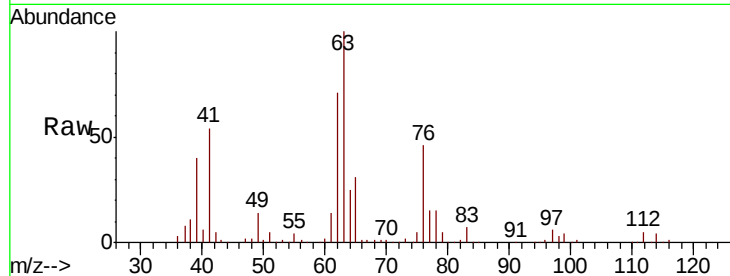




#40
 1,2-Dichloropropane
 Concen: 26.643 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016171.D
 Acq: 13 Aug 2020 09:50

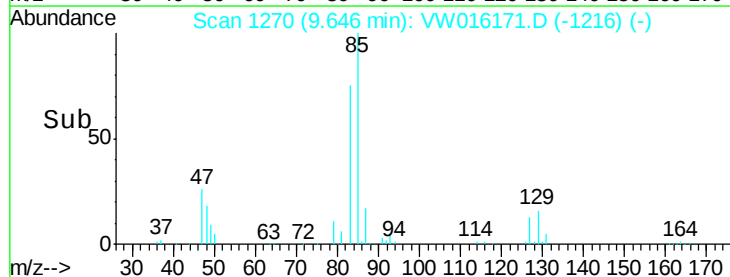
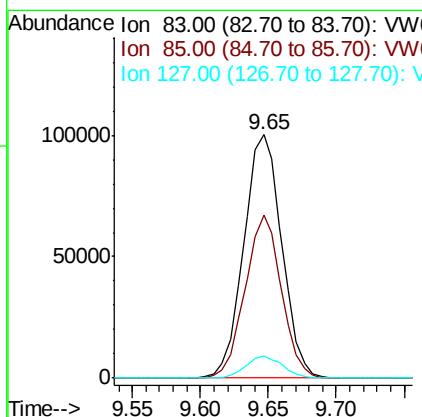
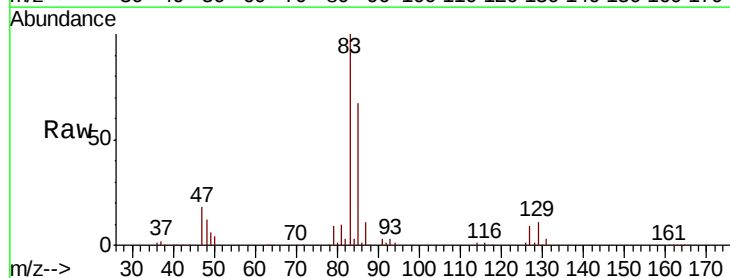
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

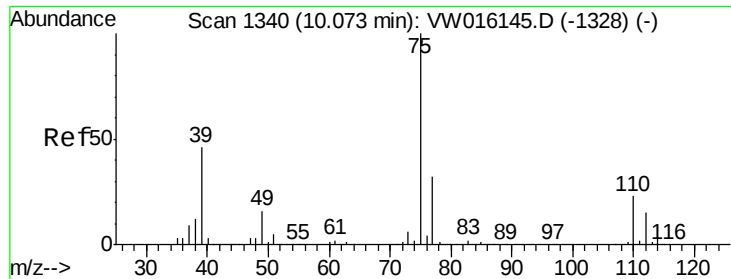
Tot Ion: 63 Resp: 148566
 Ion Ratio Lower Upper
 63 100
 112 5.3 4.0 6.0



#41
 Bromodichloromethane
 Concen: 25.554 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016171.D
 Acq: 13 Aug 2020 09:50

Tgt Ion: 83 Resp: 195744
 Ion Ratio Lower Upper
 83 100
 85 67.1 46.1 85.5
 127 8.9 7.2 10.8

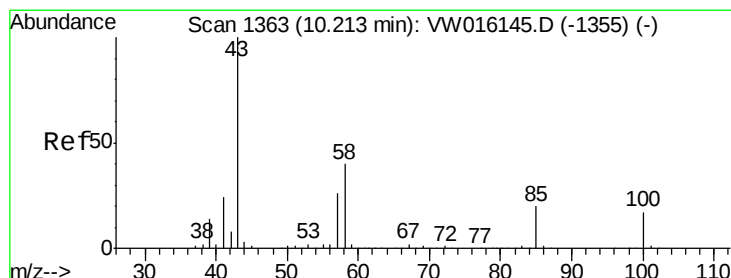
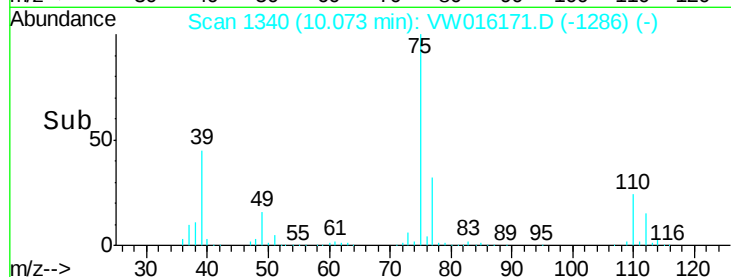
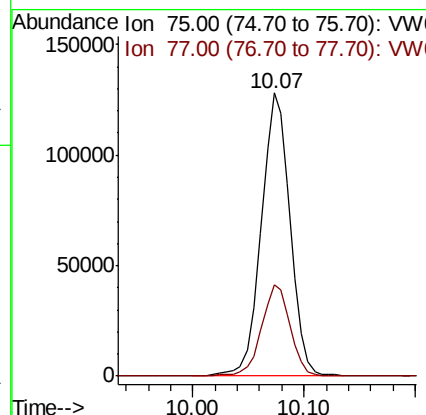
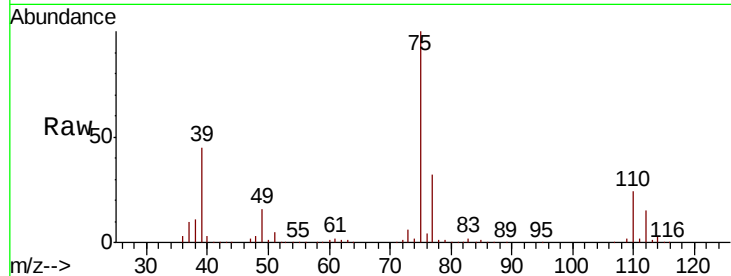




#42
 cis-1,3-Dichloropropene
 Concen: 27.158 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW016171.D
 Acq: 13 Aug 2020 09:50

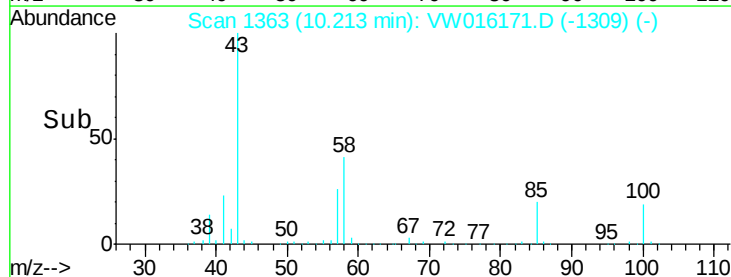
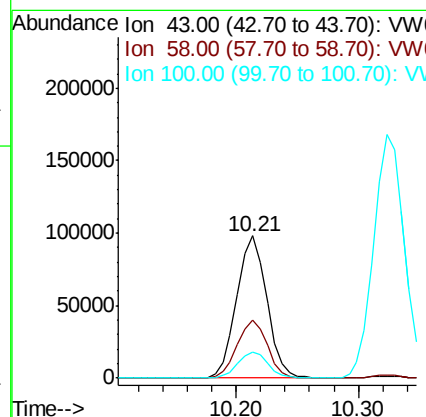
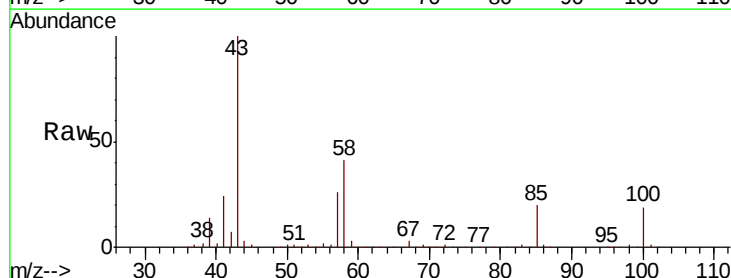
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

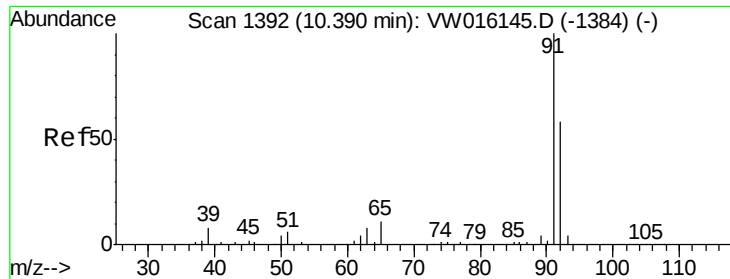
Tot Ion: 75 Resp: 230630
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.9 42.5



#43
 4-Methyl-2-pentanone
 Concen: 49.983 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW016171.D
 Acq: 13 Aug 2020 09:50

Tgt Ion: 43 Resp: 167638
 Ion Ratio Lower Upper
 43 100
 58 41.0 32.1 48.1
 100 18.5 13.8 20.8





#44

Toluene

Concen: 28.191 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016171.D

Acq: 13 Aug 2020 09:50

Instrument :

MSVOA_W

ClientSampleId :

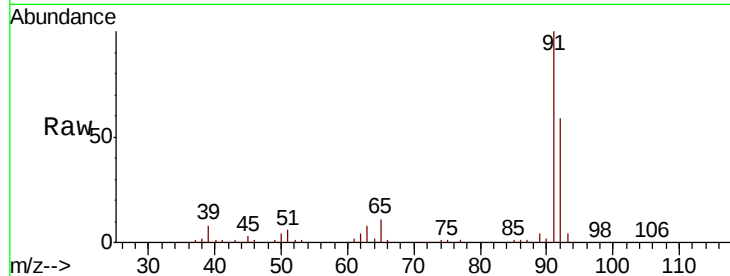
VSTD02513

Tot Ion: 91 Resp: 675739

Ion Ratio Lower Upper

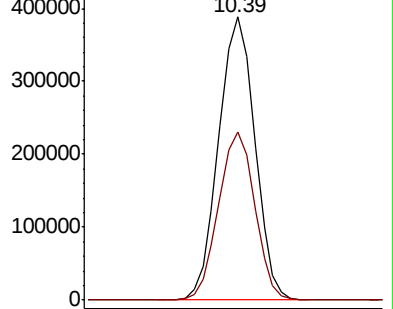
91 100

92 59.5 41.8 77.6

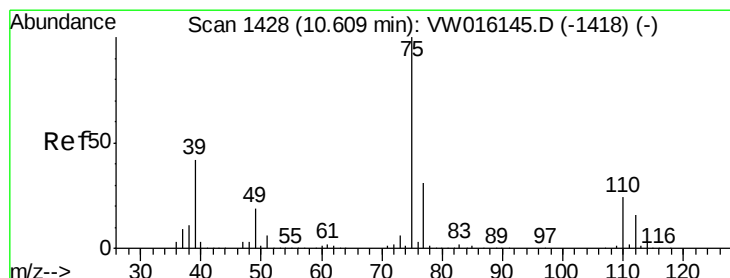
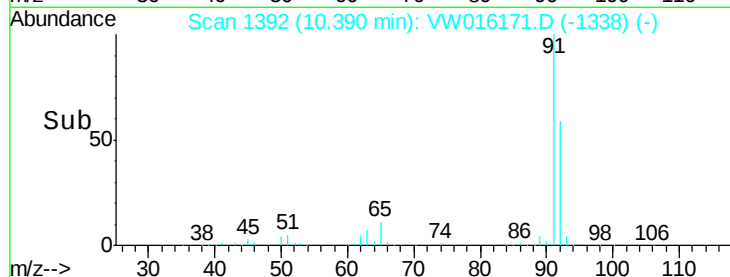


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



Time-->



#45

trans-1,3-Dichloropropene

Concen: 26.520 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016171.D

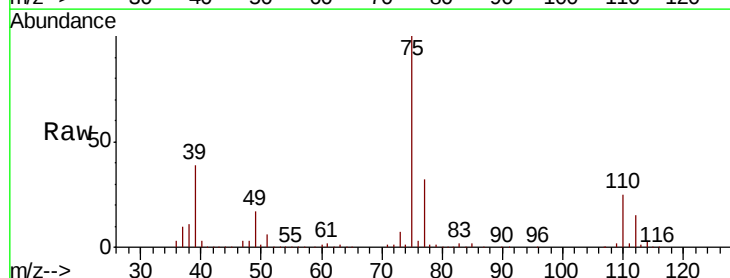
Acq: 13 Aug 2020 09:50

Tgt Ion: 75 Resp: 202314

Ion Ratio Lower Upper

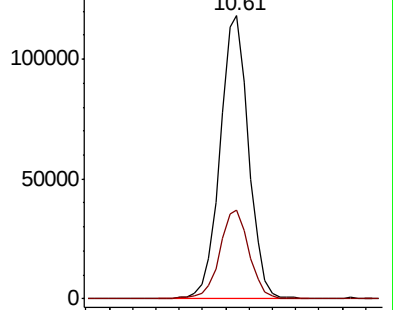
75 100

77 31.6 22.7 42.1

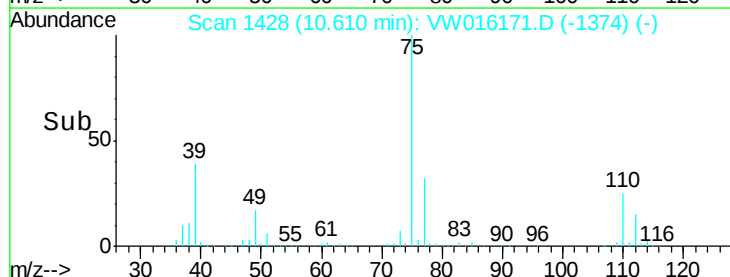


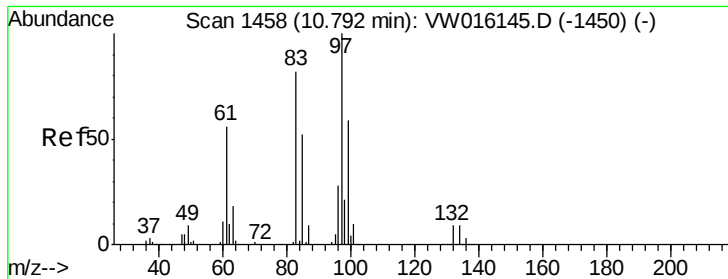
Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



Time-->

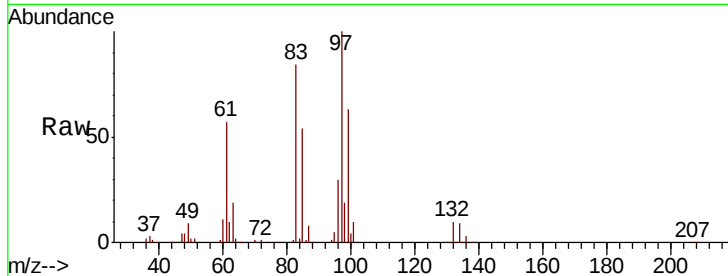




#46
1,1,2-Trichloroethane
Concen: 26.363 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.01 min
Lab File: VW016171.D
Acq: 13 Aug 2020 09:50

Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

Tot Ion:	97	Resp:	115718
Ion	Ratio	Lower	Upper
97	100		
83	84.0	57.8	107.4
85	53.6	38.0	70.6
99	62.8	44.4	82.4



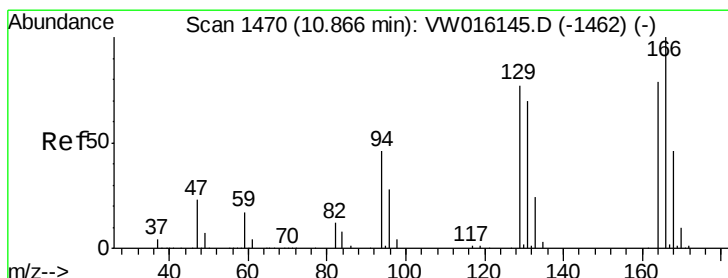
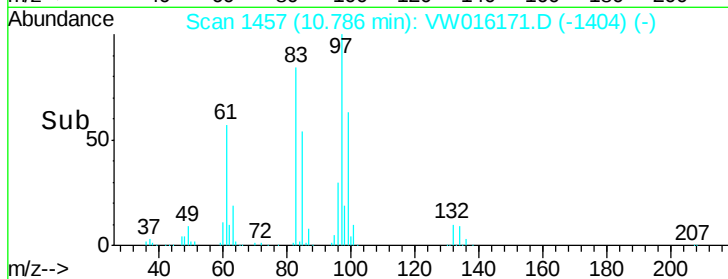
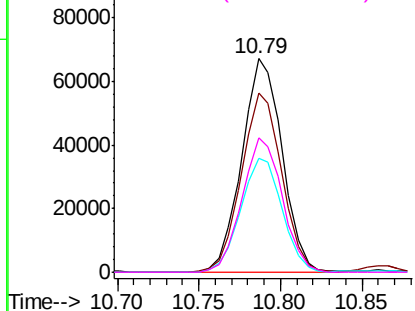
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

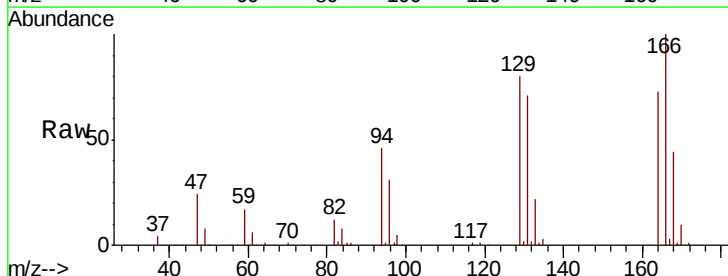
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
Tetrachloroethene
Concen: 26.969 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW016171.D
Acq: 13 Aug 2020 09:50

Tgt Ion:	164	Resp:	123446
Ion	Ratio	Lower	Upper
164	100		
129	109.7	71.5	132.9
131	97.5	65.4	121.4
166	136.5	86.9	161.5



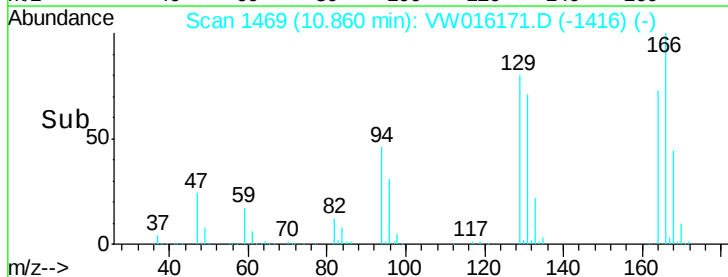
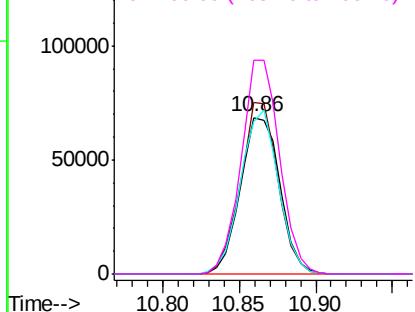
Abundance

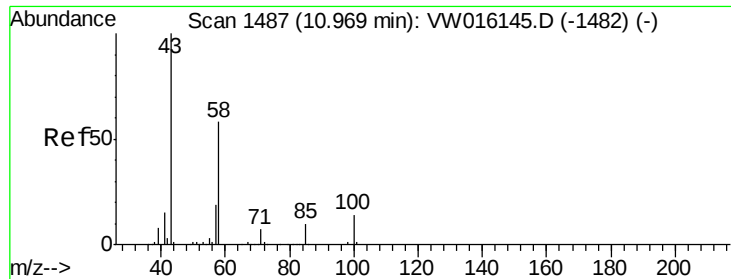
Ion 164.00 (163.70 to 164.70): V

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

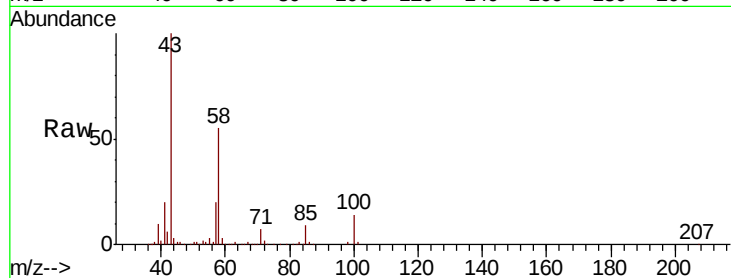




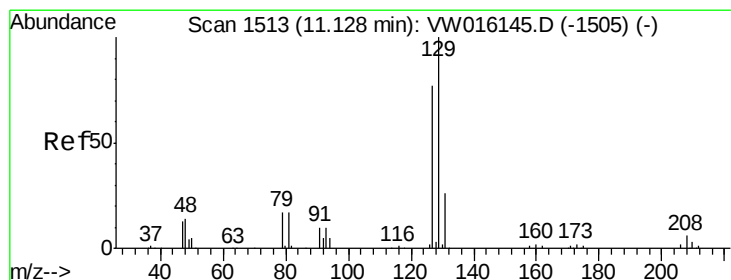
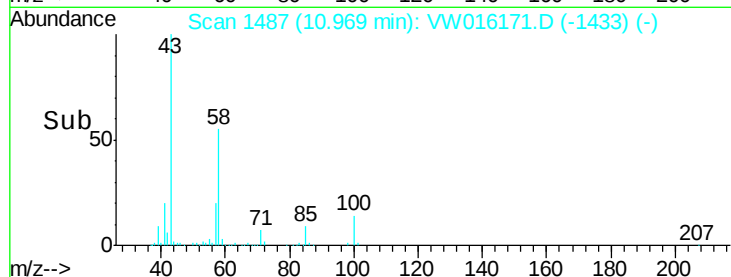
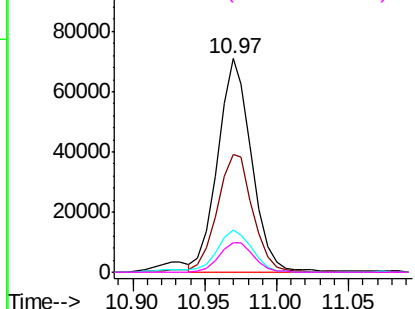
#49
2-Hexanone
Concen: 51.657 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW016171.D
Acq: 13 Aug 2020 09:50

Instrument :
MSVOA_W
ClientSampled :
VSTD02513

Tot Ion: 43 Resp: 116906
Ion Ratio Lower Upper
43 100
58 57.0 44.2 66.2
57 19.8 15.8 23.6
100 14.3 10.8 16.2

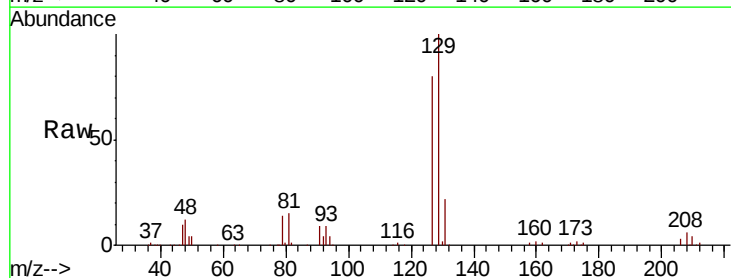


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

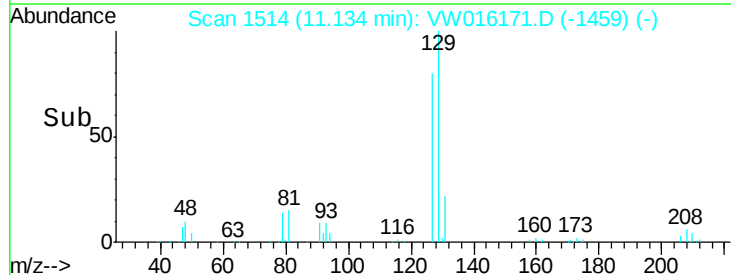
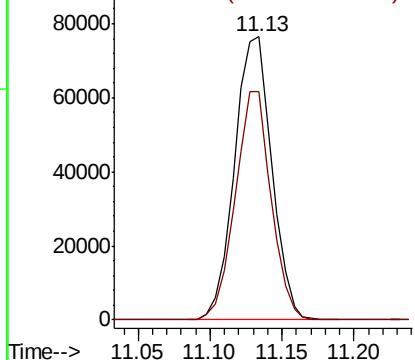


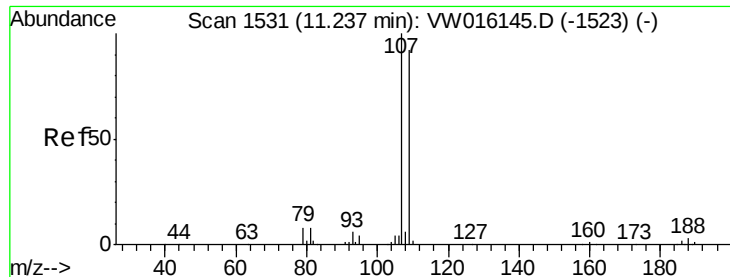
#50
Dibromochloromethane
Concen: 26.637 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW016171.D
Acq: 13 Aug 2020 09:50

Tgt Ion: 129 Resp: 137704
Ion Ratio Lower Upper
129 100
127 80.5 55.4 102.8



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

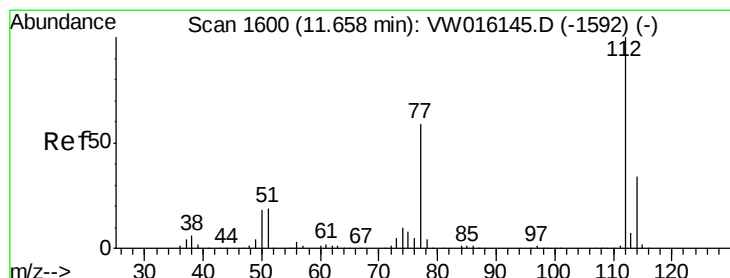
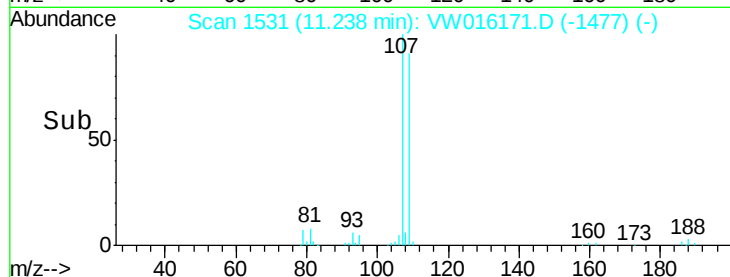
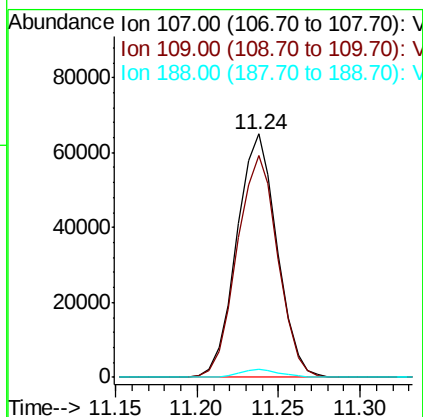
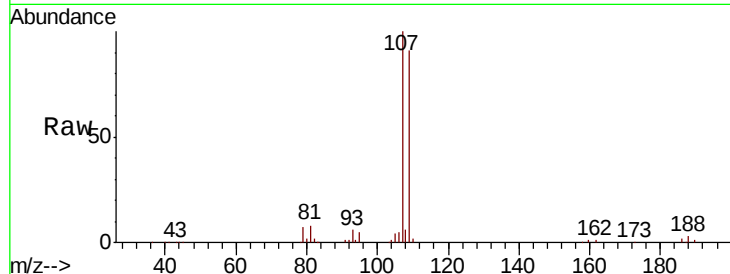




#51
1,2-Dibromoethane
Concen: 26.887 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW016171.D
Acq: 13 Aug 2020 09:50

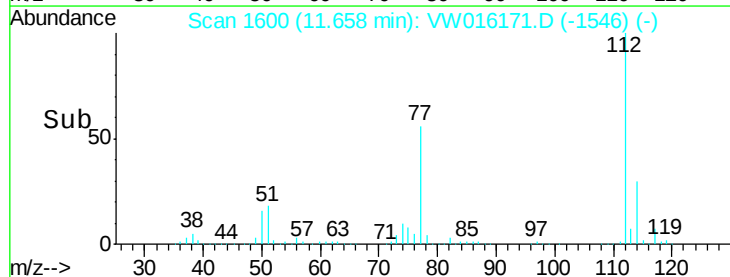
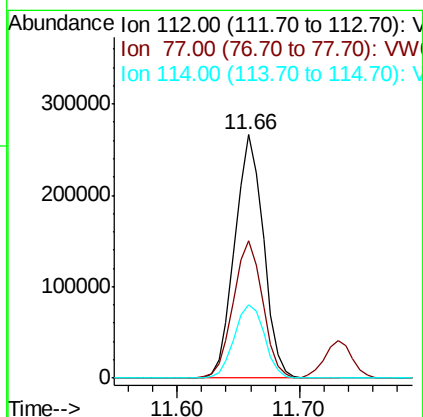
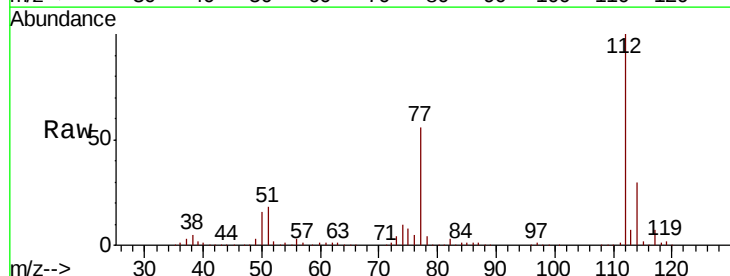
Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

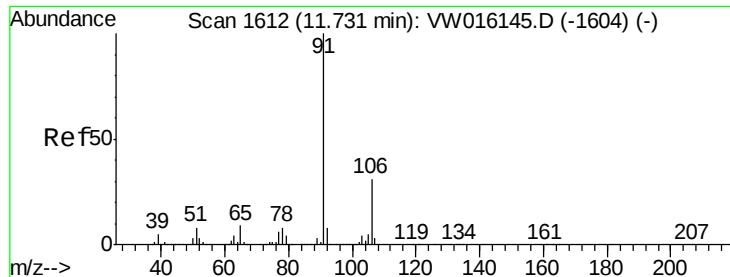
Tot Ion:107 Resp: 111884
Ion Ratio Lower Upper
107 100
109 90.9 66.0 122.6
188 3.5 2.8 4.2



#52
Chlorobenzene
Concen: 27.216 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016171.D
Acq: 13 Aug 2020 09:50

Tgt Ion:112 Resp: 431634
Ion Ratio Lower Upper
112 100
77 56.5 49.1 73.7
114 30.3 23.5 43.7





#53

Ethylbenzene

Concen: 27.729 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016171.D

Acq: 13 Aug 2020 09:50

Instrument :

MSVOA_W

ClientSampleId :

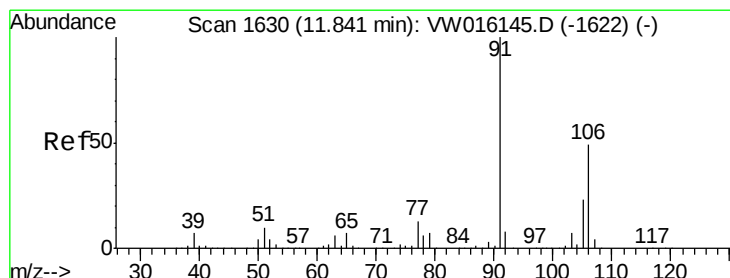
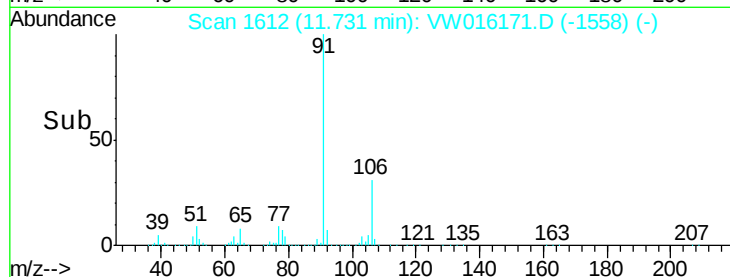
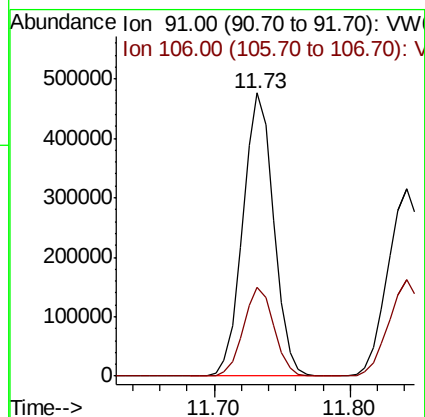
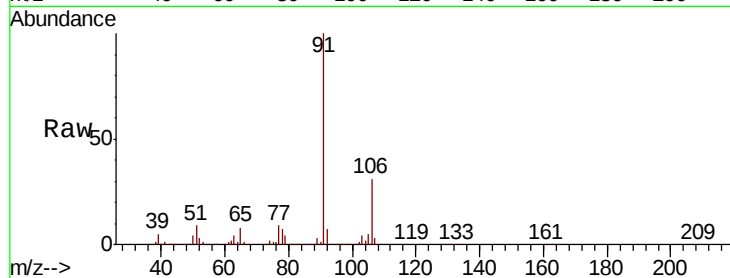
VSTD02513

Tot Ion: 91 Resp: 754118

Ion Ratio Lower Upper

91 100

106 31.5 21.8 40.4



#54

m,p-Xylene

Concen: 27.996 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016171.D

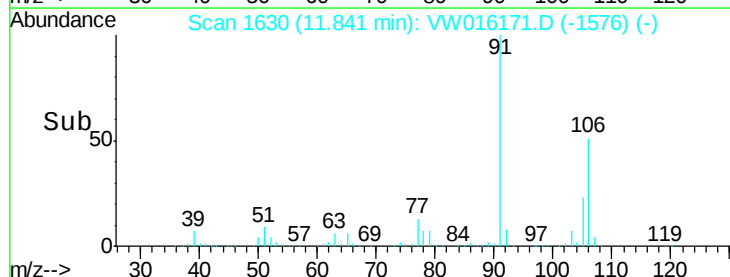
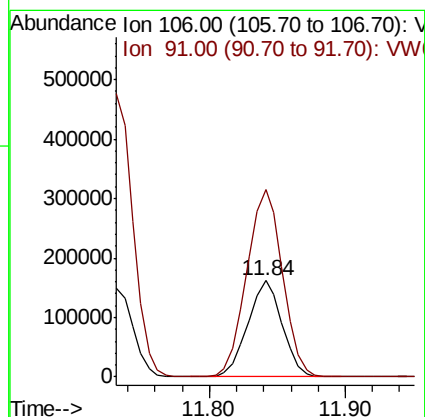
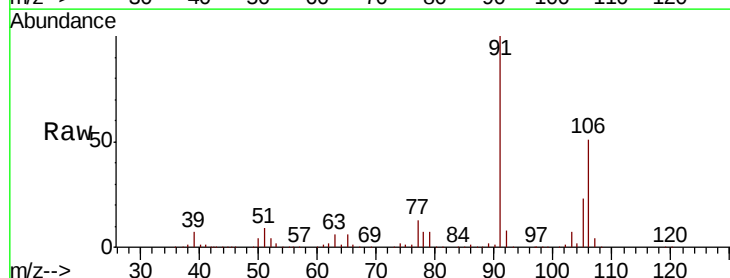
Acq: 13 Aug 2020 09:50

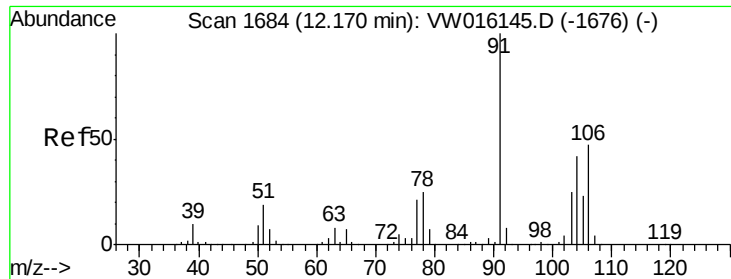
Tgt Ion: 106 Resp: 286401

Ion Ratio Lower Upper

106 100

91 196.0 136.4 253.2

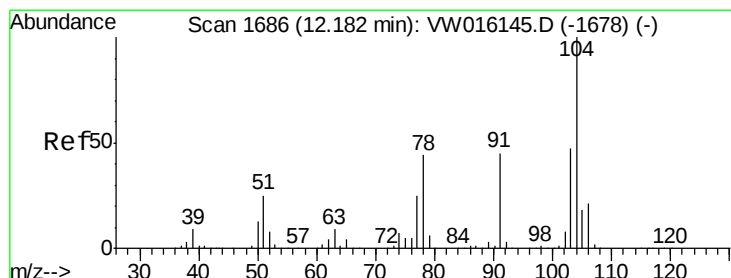
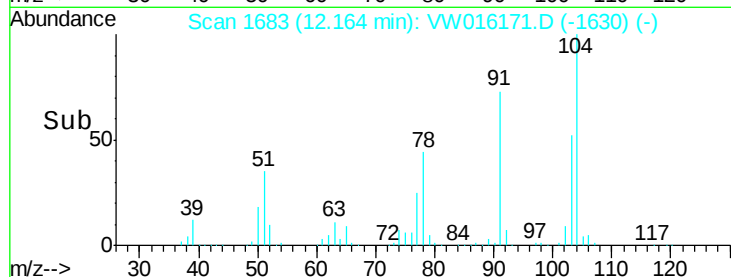
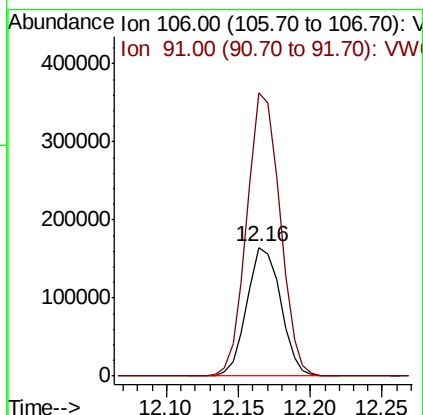
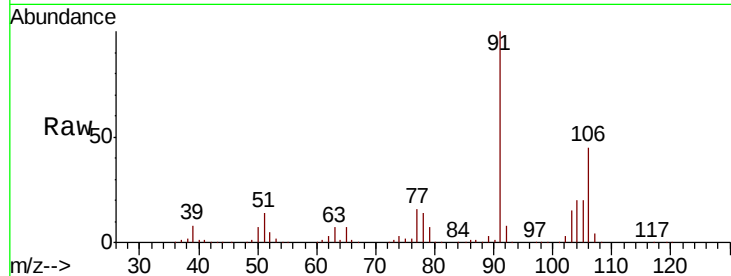




#55
o-xylene
Concen: 27.793 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW016171.D
Acq: 13 Aug 2020 09:50

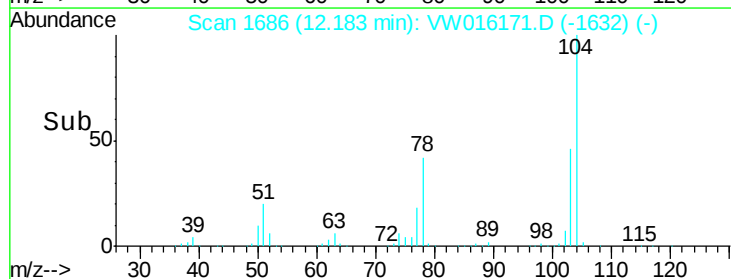
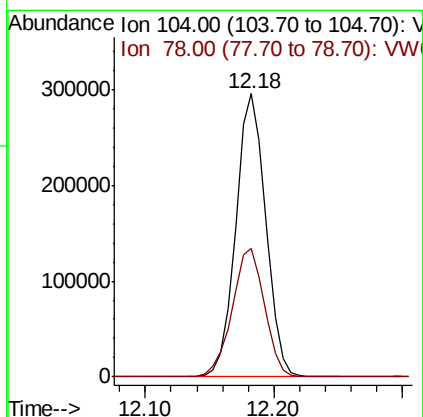
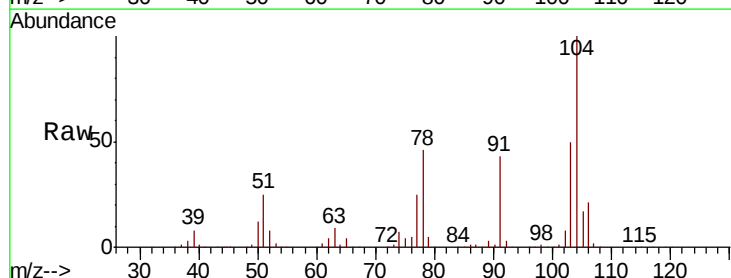
Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

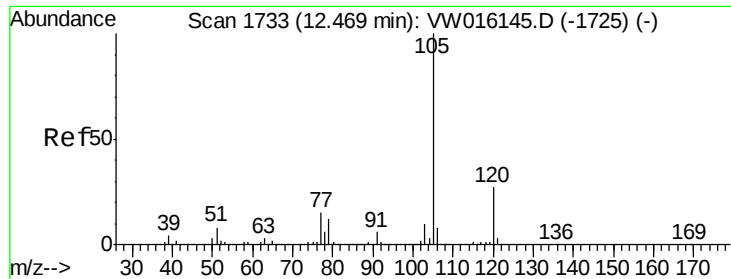
Tot Ion:106 Resp: 267813
Ion Ratio Lower Upper
106 100
91 220.3 151.3 281.1



#56
Styrene
Concen: 28.479 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016171.D
Acq: 13 Aug 2020 09:50

Tgt Ion:104 Resp: 475123
Ion Ratio Lower Upper
104 100
78 45.6 32.0 59.4





#57

Isopropylbenzene

Concen: 28.811 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW016171.D

Acq: 13 Aug 2020 09:50

Instrument :

MSVOA_W

ClientSampleID :

VSTD02513

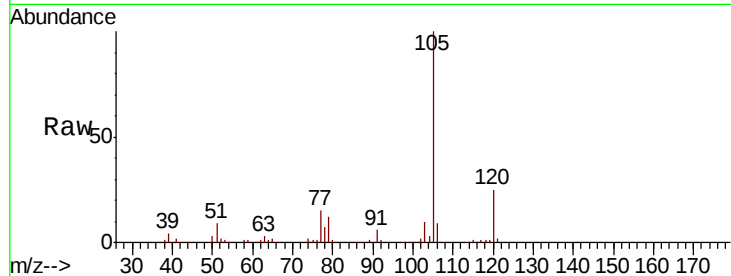
Tot Ion:105 Resp: 748529

Ion Ratio Lower Upper

105 100

120 25.8 21.0 31.4

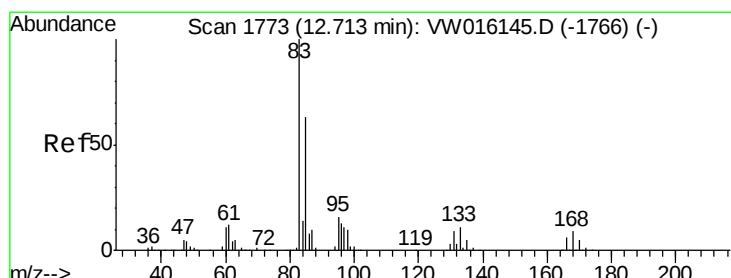
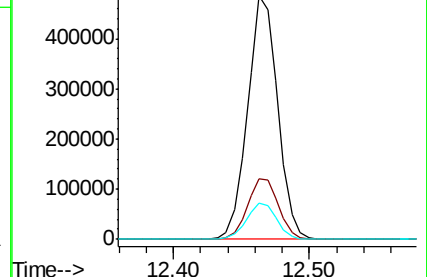
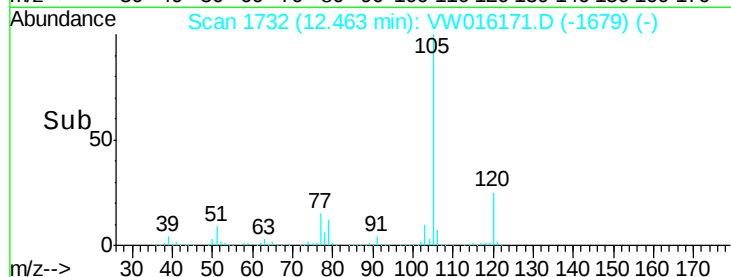
77 15.0 12.6 18.8



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: 26.366 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW016171.D

Acq: 13 Aug 2020 09:50

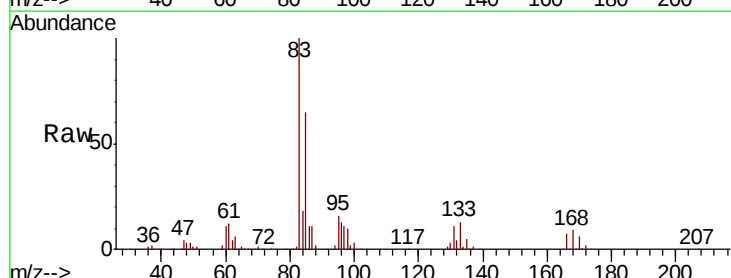
Tgt Ion: 83 Resp: 135033

Ion Ratio Lower Upper

83 100

85 65.0 42.4 78.8

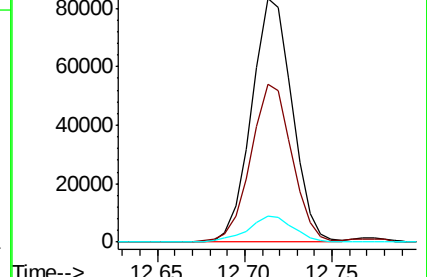
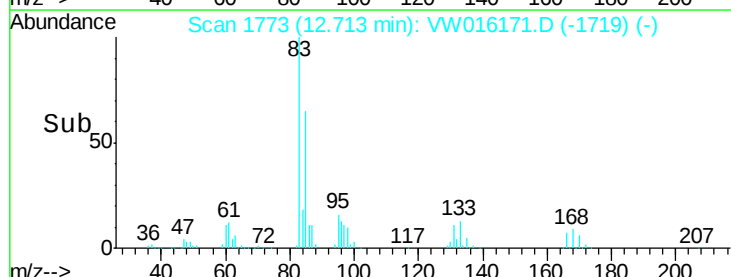
131 10.7 7.8 11.8

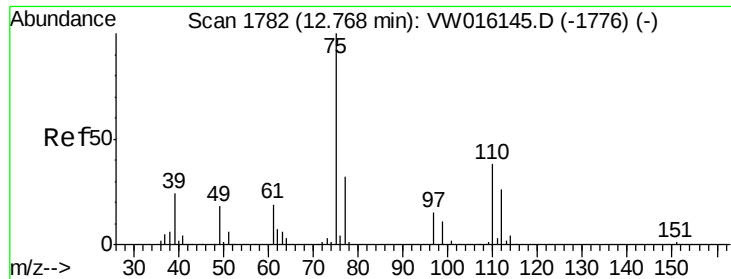


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.482 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW016171.D

Acq: 13 Aug 2020 09:50

Instrument :

MSVOA_W

ClientSampleId :

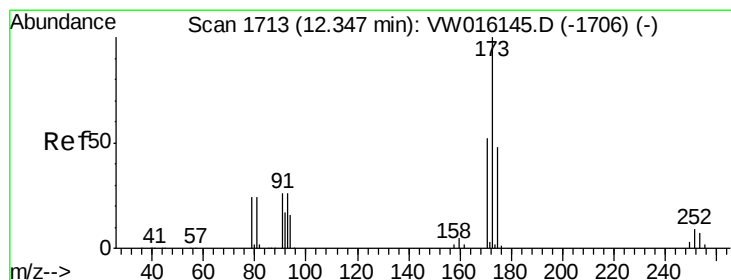
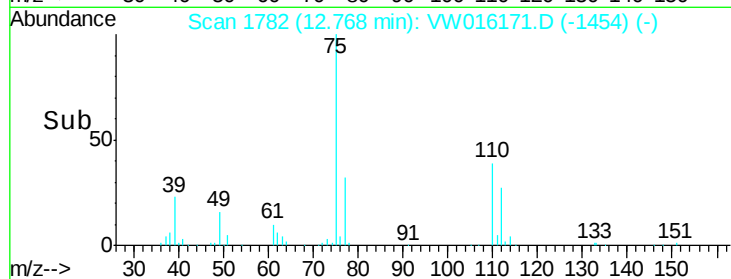
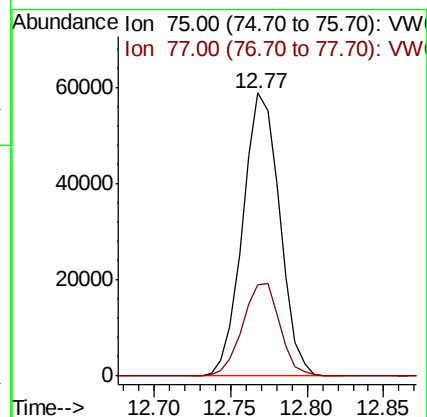
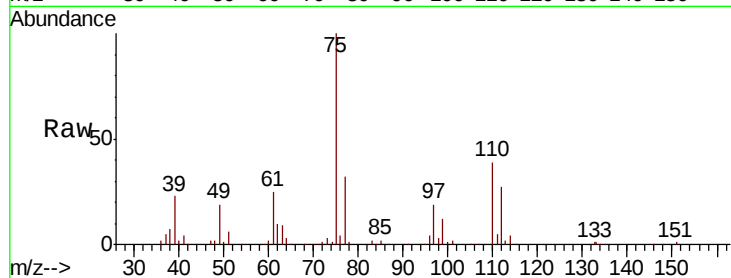
VSTD02513

Tot Ion: 75 Resp: 98868

Ion Ratio Lower Upper

75 100

77 33.1 25.9 38.9



#62

Bromoform

Concen: 25.774 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW016171.D

Acq: 13 Aug 2020 09:50

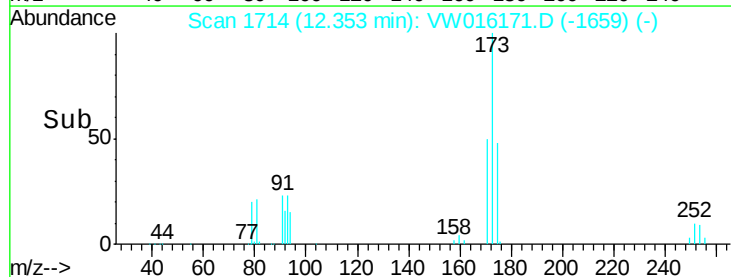
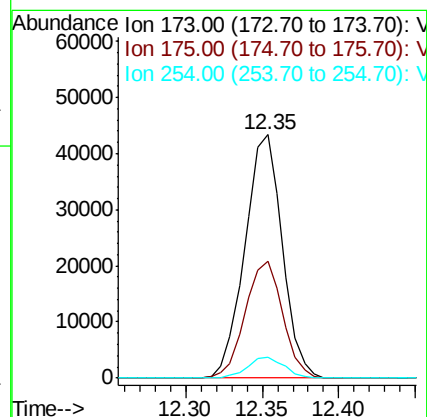
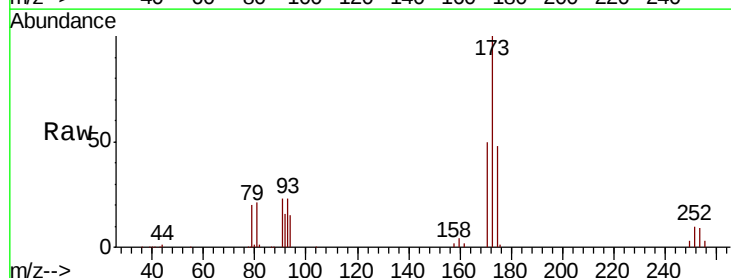
Tgt Ion: 173 Resp: 73641

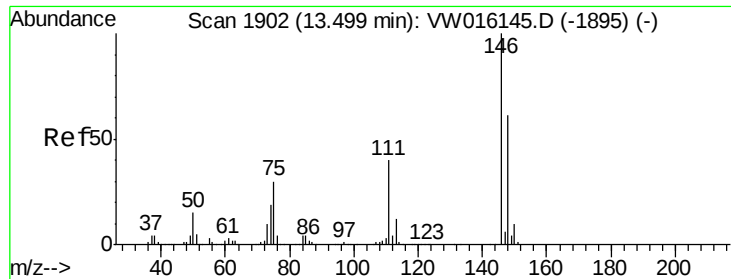
Ion Ratio Lower Upper

173 100

175 47.8 37.8 56.6

254 8.5 6.8 10.2

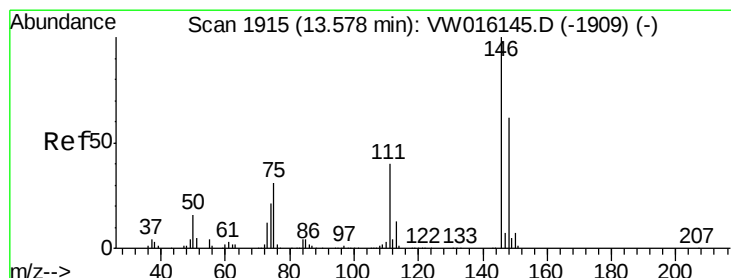
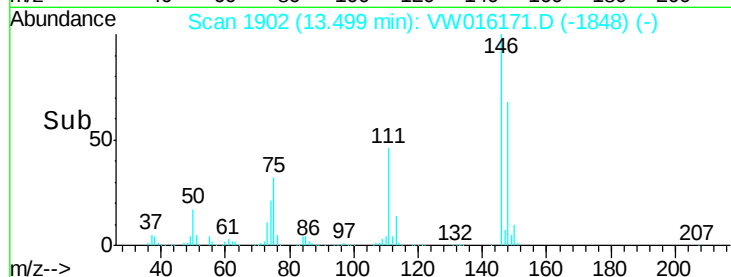
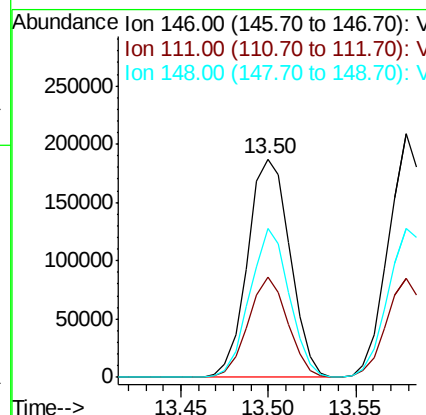
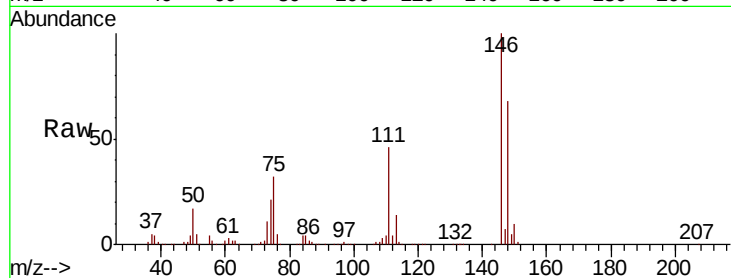




#63
 1,3-Dichlorobenzene
 Concen: 26.458 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016171.D
 Acq: 13 Aug 2020 09:50

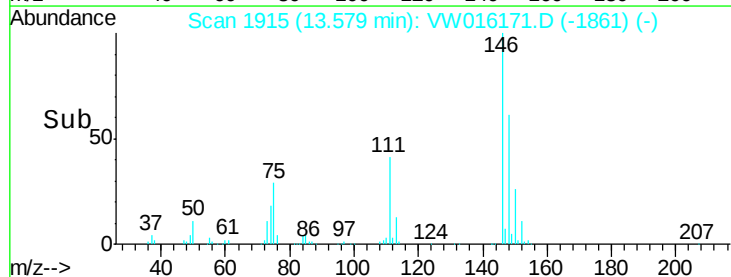
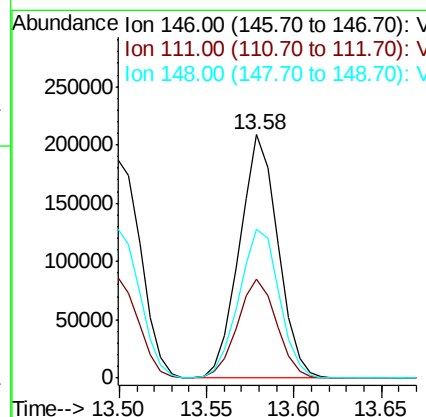
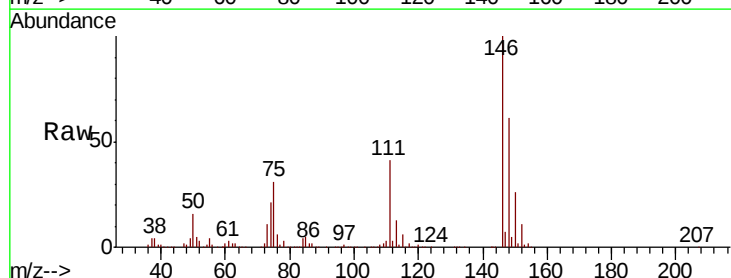
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

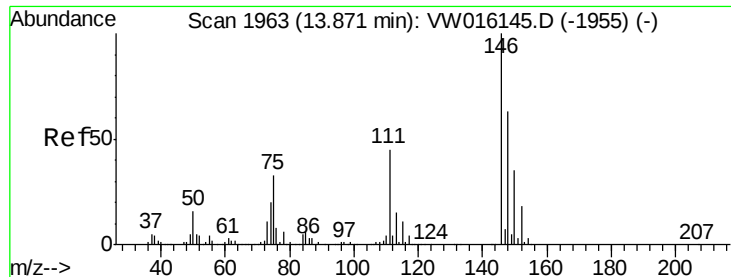
Tot Ion:146 Resp: 315747
 Ion Ratio Lower Upper
 146 100
 111 45.8 28.9 53.7
 148 68.5 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 26.275 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016171.D
 Acq: 13 Aug 2020 09:50

Tgt Ion:146 Resp: 319441
 Ion Ratio Lower Upper
 146 100
 111 40.7 28.6 53.2
 148 61.1 47.7 88.5

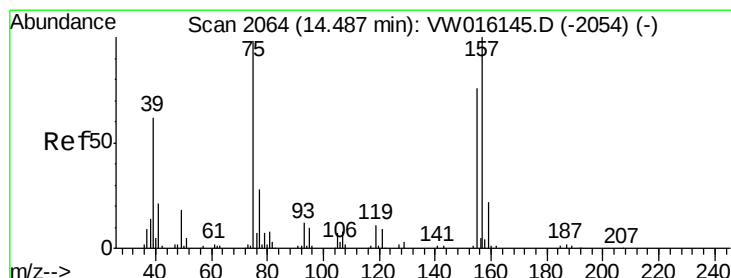
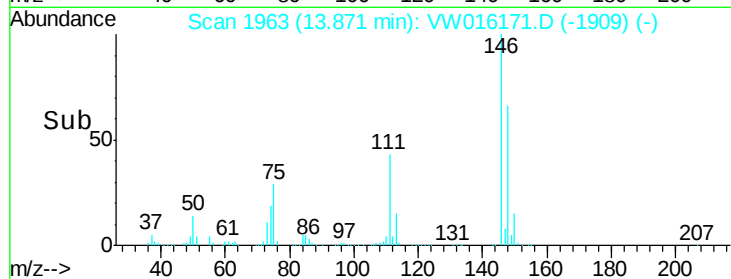
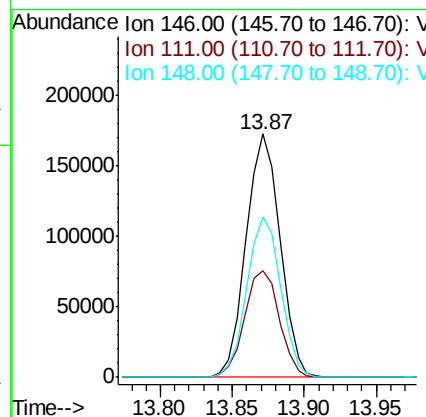
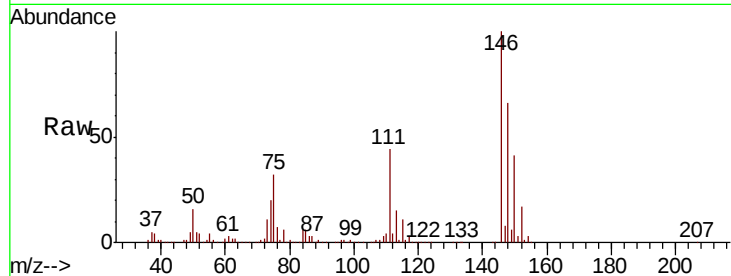




#65
 1,2-Dichlorobenzene
 Concen: 25.831 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016171.D
 Acq: 13 Aug 2020 09:50

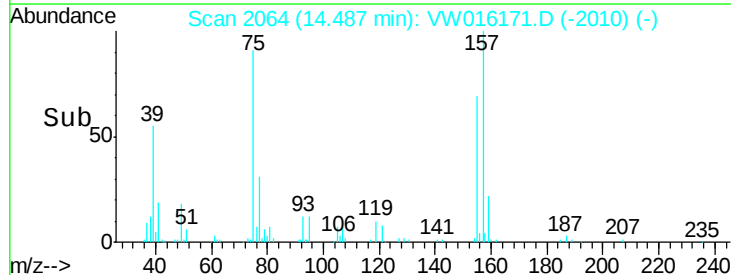
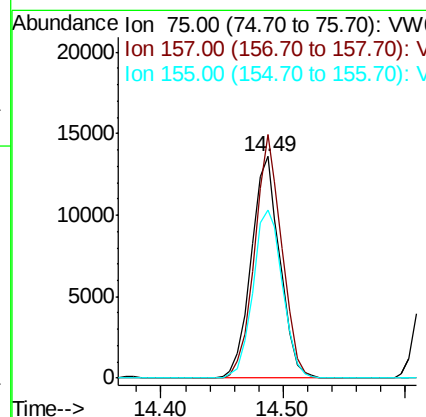
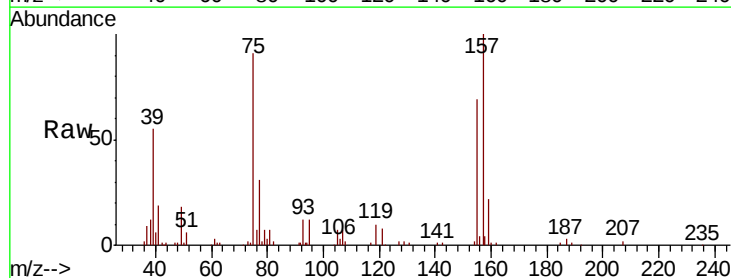
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

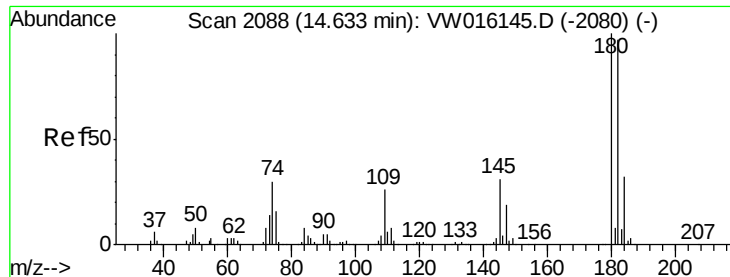
Tot Ion:146 Resp: 282633
 Ion Ratio Lower Upper
 146 100
 111 43.6 35.3 52.9
 148 65.7 49.0 73.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.085 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016171.D
 Acq: 13 Aug 2020 09:50

Tgt Ion: 75 Resp: 22149
 Ion Ratio Lower Upper
 75 100
 157 109.8 73.9 110.9
 155 76.1 63.4 95.2

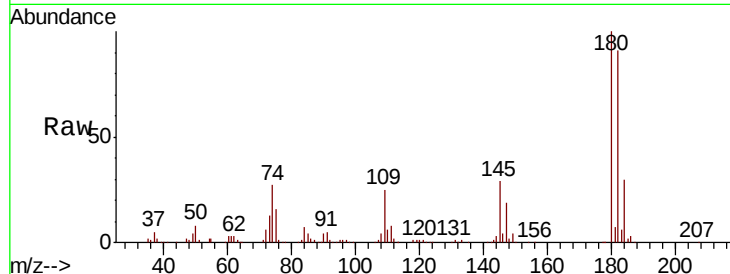




#67
 1,3,5-Trichlorobenzene
 Concen: 27.787 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW016171.D
 Acq: 13 Aug 2020 09:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.3	114.5
184	30.1	25.1	37.7
145	32.6	26.9	40.3



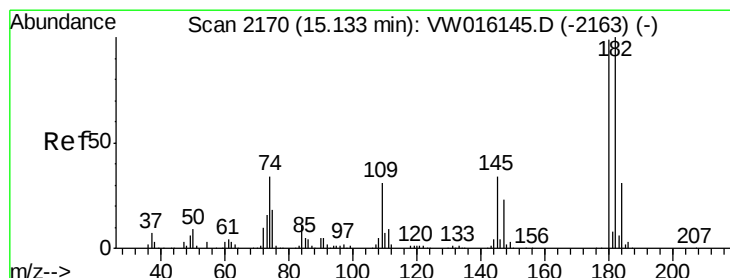
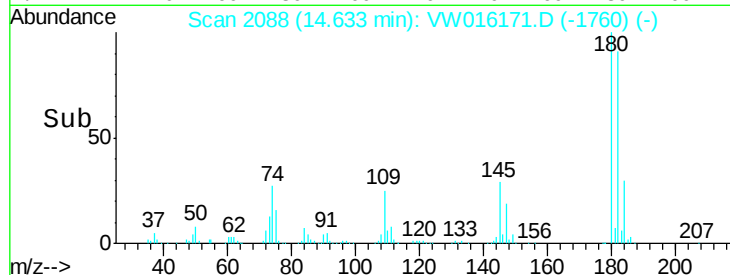
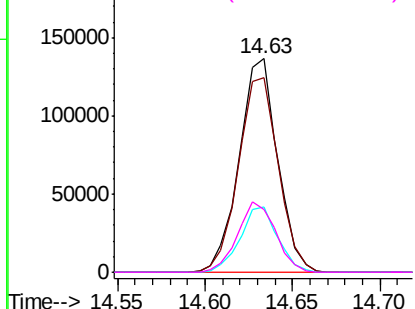
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

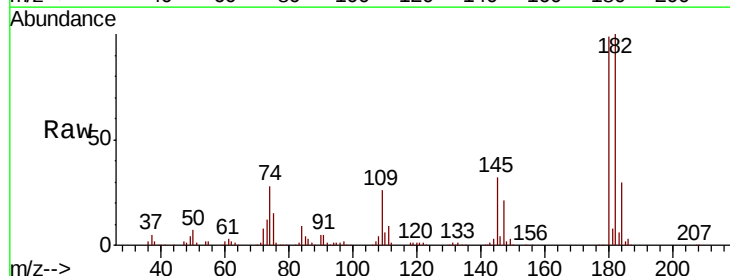
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.753 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW016171.D
 Acq: 13 Aug 2020 09:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.5	77.8	116.8
145	32.7	26.5	39.7

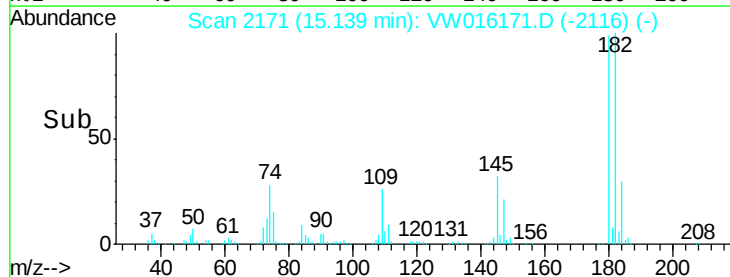
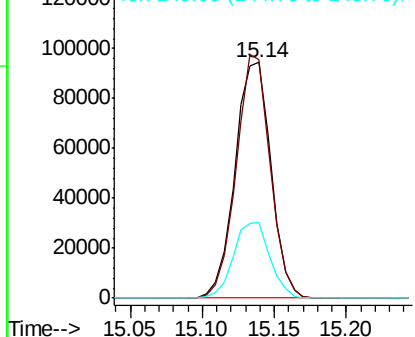


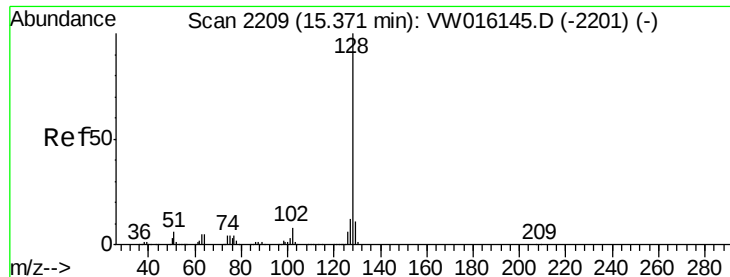
Abundance

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: 27.621 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW016171.D

Acq: 13 Aug 2020 09:50

Instrument :

MSVOA_W

ClientSampled :

VSTD02513

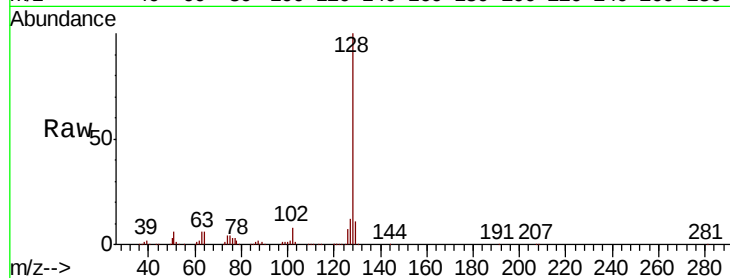
Tot Ion:128 Resp: 355831

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

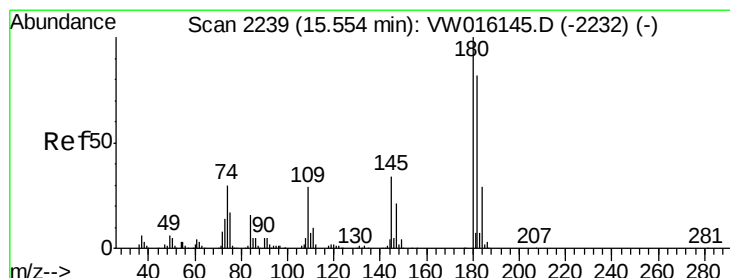
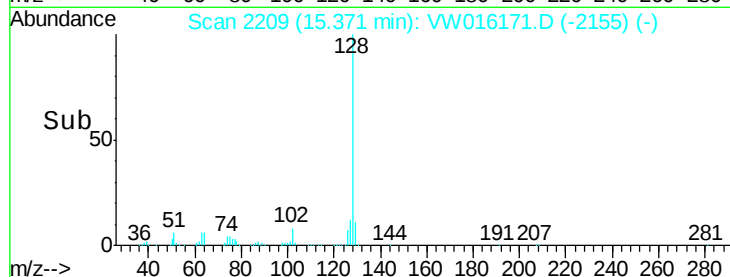
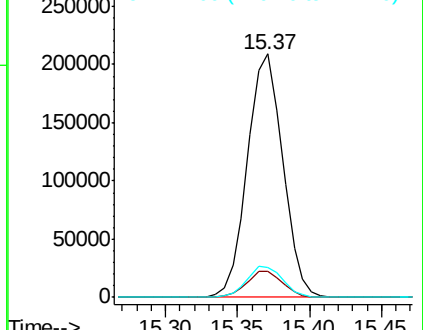
127 13.0 10.3 15.5



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: 27.722 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW016171.D

Acq: 13 Aug 2020 09:50

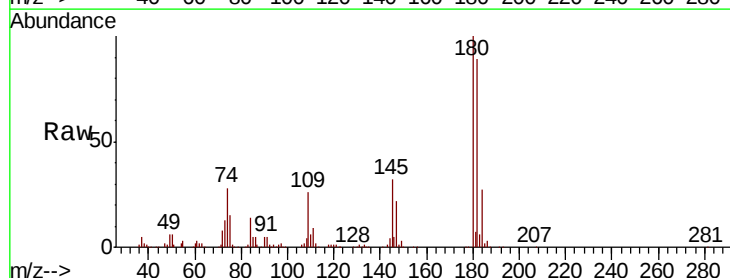
Tgt Ion:180 Resp: 153716

Ion Ratio Lower Upper

180 100

182 93.4 76.0 114.0

145 35.8 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

