

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082520\
 Data File : VW016352.D
 Acq On : 25 Aug 2020 14:35
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

Quant Time: Aug 26 01:41:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 26 01:39:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	273149	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	260277	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	129685	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	63836	21.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.56%
7) Chloroethane-d5	2.89	69	51556	23.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.16%
10) 1,1-Dichloroethene-d2	4.02	63	164168	23.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.80%
20) 2-Butanone-d5	7.08	46	48605	58.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.20%
24) Chloroform-d	7.65	84	183863	25.82	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.28%
26) 1,2-Dichloroethane-d4	8.31	65	100677	27.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.72%
29) Benzene-d6	8.27	84	354682	24.41	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.64%
33) 1,2-Dichloropropane-d6	9.27	67	100202	24.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.68%
37) Toluene-d8	10.32	98	344547	25.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.52%
38) trans-1,3-Dichloropropene-	10.58	79	50139	25.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.36%
39) 2-Hexanone-d5	10.93	63	35771	55.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.06%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	97922	29.26	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	117.04%
61) 1,2-Dichlorobenzene-d4	13.85	152	122067	24.55	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	71338	23.769	ug/L 100
3) Chloromethane	2.21	50	52623	22.456	ug/L 95
5) Vinyl chloride	2.37	62	76918	24.100	ug/L 99
6) Bromomethane	2.78	94	49990	23.958	ug/L 98
8) Chloroethane	2.92	64	44212	24.843	ug/L 97
9) Trichlorofluoromethane	3.26	101	74825	21.664	ug/L 95
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	92910	24.643	ug/L 96
12) 1,1-Dichloroethene	4.04	96	91613	25.264	ug/L 94
13) Acetone	4.14	43	39426	57.277	ug/L 97
14) Carbon disulfide	4.38	76	260831	24.260	ug/L 98
15) Methyl Acetate	4.67	43	41819	30.196	ug/L 99
16) Methylene chloride	4.92	84	104677	20.730	ug/L 97
17) Methyl tert-butyl Ether	5.43	73	143661	27.095	ug/L 100
18) trans-1,2-Dichloroethene	5.43	96	96846	25.424	ug/L 98
19) 1,1-Dichloroethane	6.21	63	161112	25.671	ug/L 98
21) 2-Butanone	7.17	43	55568	56.662	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	105063	26.226	ug/L 92

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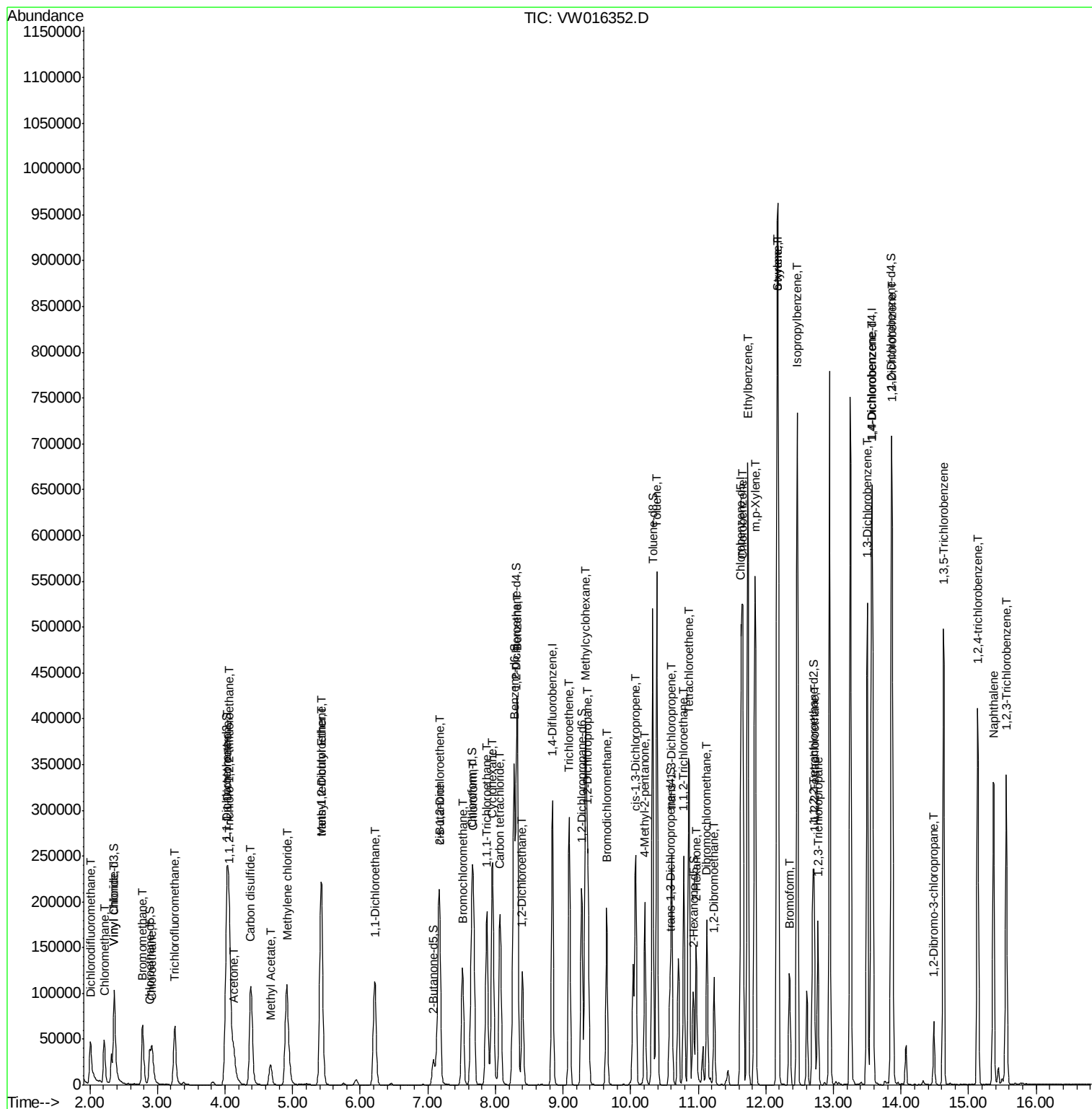
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	49059	26.699	ug/L	94
25) Chloroform	7.68	83	179401	26.542	ug/L	98
27) 1,2-Dichloroethane	8.40	62	117453	27.745	ug/L	98
30) Cyclohexane	7.96	56	138606	24.639	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	157040	25.086	ug/L	100
32) Carbon tetrachloride	8.07	117	146755	24.689	ug/L	99
34) Benzene	8.32	78	378947	25.383	ug/L	100
35) Trichloroethene	9.09	95	103268	24.430	ug/L	98
36) Methylcyclohexane	9.34	83	168186	24.373	ug/L	98
40) 1,2-Dichloropropane	9.37	63	88255	25.137	ug/L	99
41) Bromodichloromethane	9.65	83	131853	26.511	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	152788	26.578	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	122419	58.316	ug/L	99
44) Toluene	10.39	91	415874	25.579	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	142313	28.000	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	80242	27.690	ug/L	96
47) Tetrachloroethene	10.86	164	83495	25.049	ug/L	91
49) 2-Hexanone	10.97	43	86772	63.806	ug/L	99
50) Dibromochloromethane	11.13	129	99558	27.585	ug/L	98
51) 1,2-Dibromoethane	11.24	107	79973	28.194	ug/L	93
52) Chlorobenzene	11.66	112	276928	25.503	ug/L	98
53) Ethylbenzene	11.73	91	478207	25.585	ug/L	99
54) m,p-Xylene	11.84	106	184188	25.642	ug/L	94
55) o-xylene	12.17	106	177915	26.365	ug/L	95
56) Styrene	12.18	104	309301	27.239	ug/L	96
57) Isopropylbenzene	12.46	105	476282	25.354	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	98263	29.059	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	73751	29.449	ug/L	97
62) Bromoform	12.35	173	58283	27.653	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	218576	25.009	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	223381	25.230	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	200989	25.754	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	18225	29.708	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	150546	24.961	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	125802	26.278	ug/L	99
69) Naphthalene	15.37	128	293129	31.170	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	117894	28.001	ug/L	99

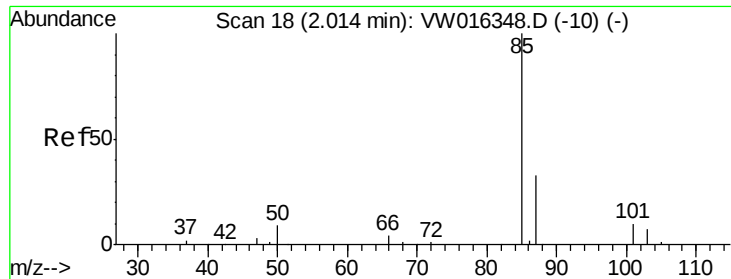
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.769 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW016352.D

Acq: 25 Aug 2020 14:35

Instrument :

MSVOA_W

ClientSampleId :

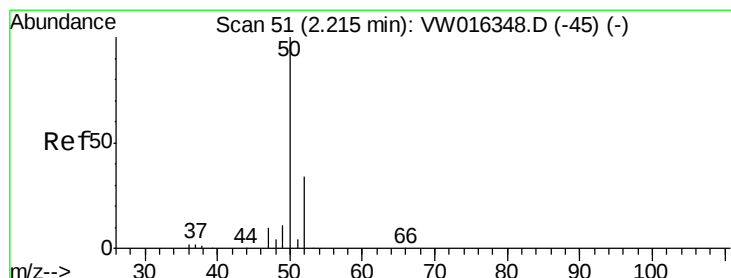
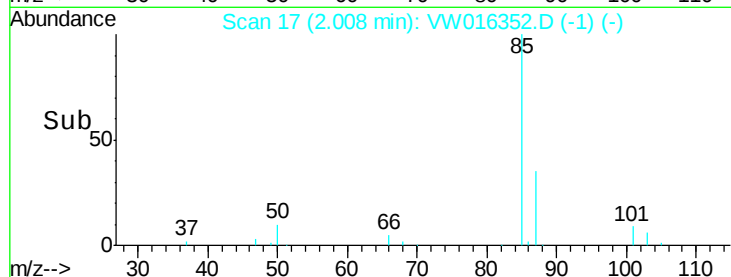
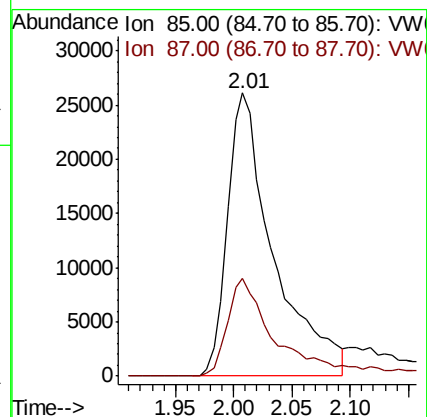
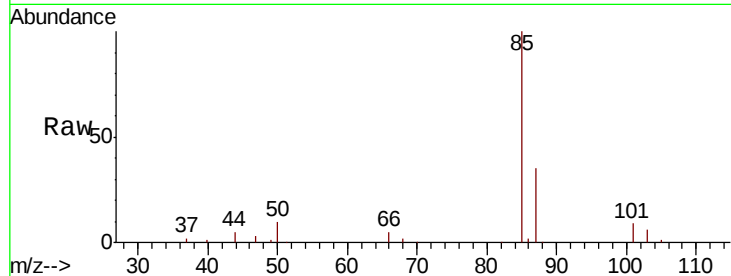
VSTD02526

Tot Ion: 85 Resp: 71338

Ion Ratio Lower Upper

85 100

87 31.0 21.6 40.0



#3

Chloromethane

Concen: 22.456 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW016352.D

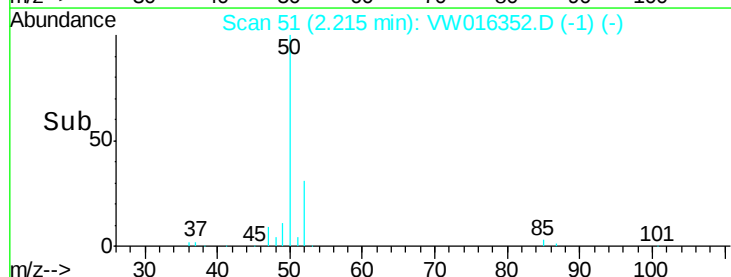
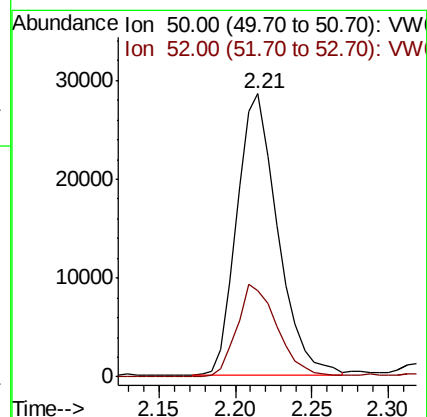
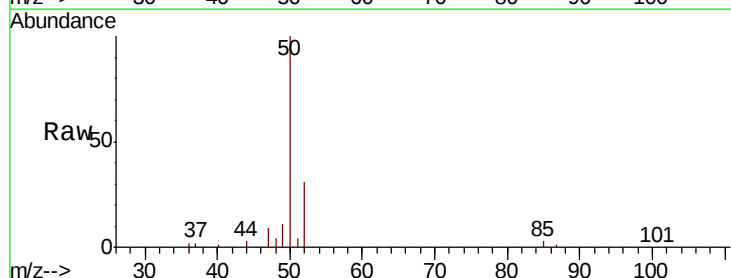
Acq: 25 Aug 2020 14:35

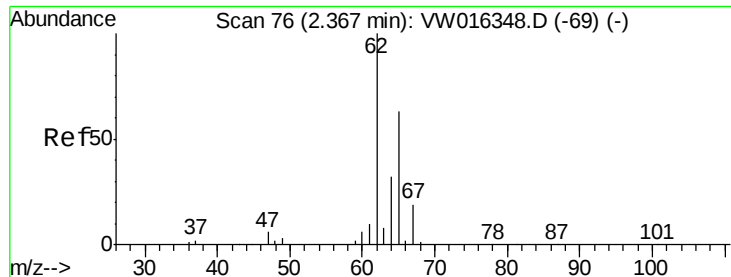
Tgt Ion: 50 Resp: 52623

Ion Ratio Lower Upper

50 100

52 30.7 23.3 43.3





#5

Vinyl chloride

Concen: 24.100 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016352.D

Acq: 25 Aug 2020 14:35

Instrument :

MSVOA_W

ClientSampleId :

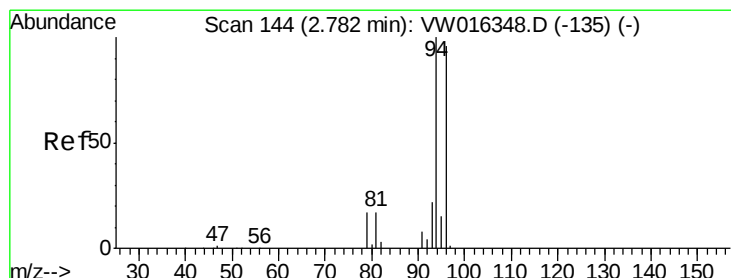
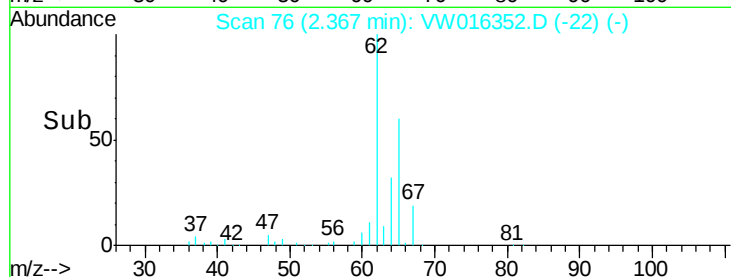
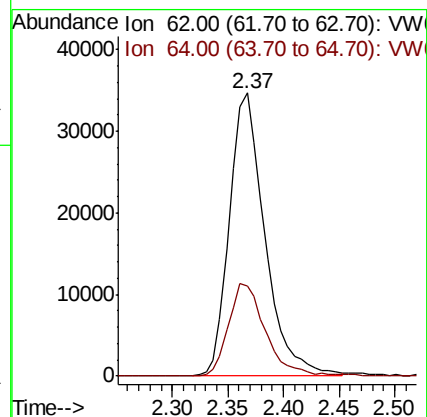
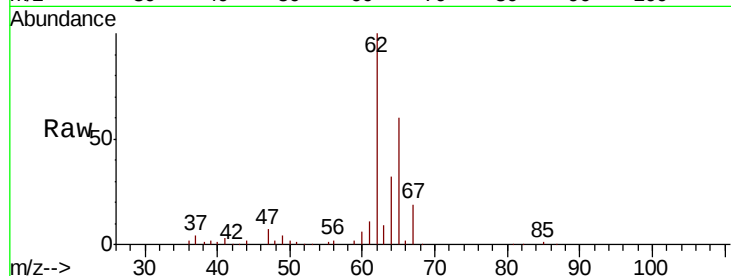
VSTD02526

Tot Ion: 62 Resp: 76918

Ion Ratio Lower Upper

62 100

64 31.8 22.0 41.0



#6

Bromomethane

Concen: 23.958 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW016352.D

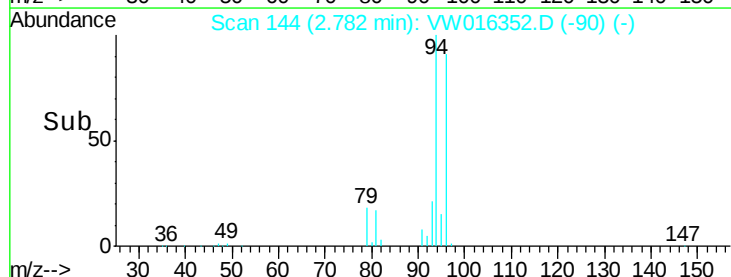
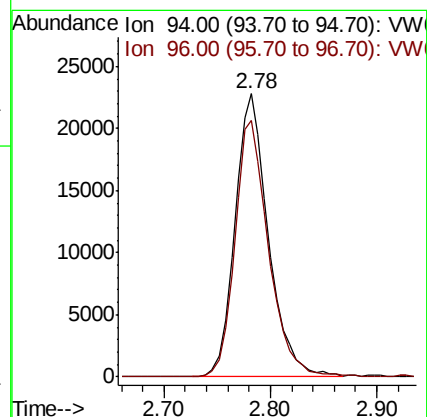
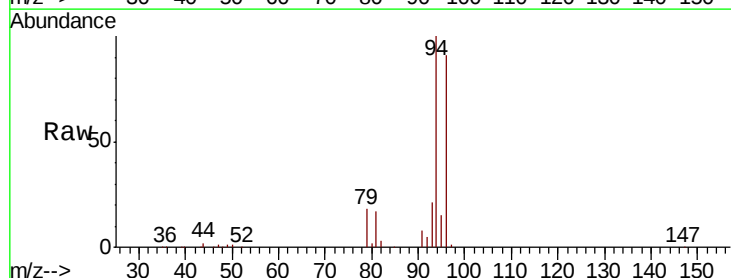
Acq: 25 Aug 2020 14:35

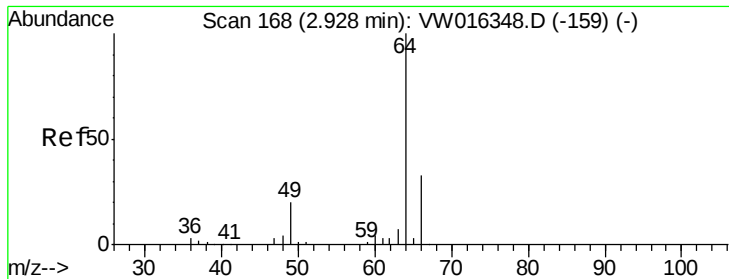
Tgt Ion: 94 Resp: 49990

Ion Ratio Lower Upper

94 100

96 90.9 9.3 176.7

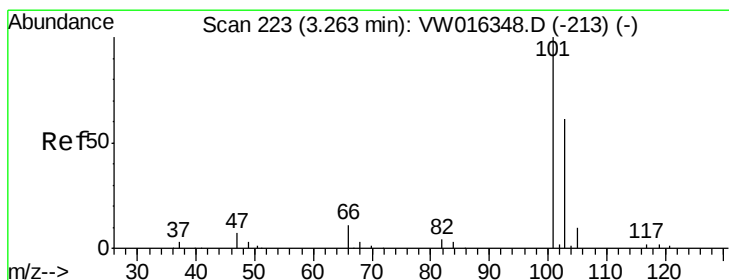
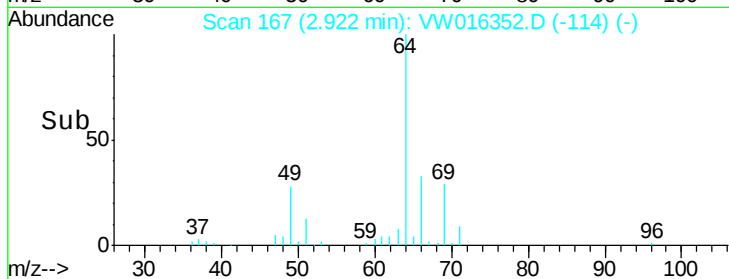
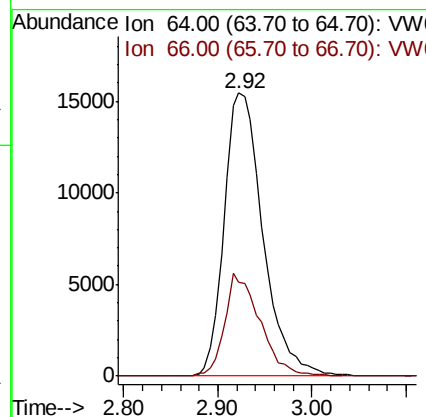
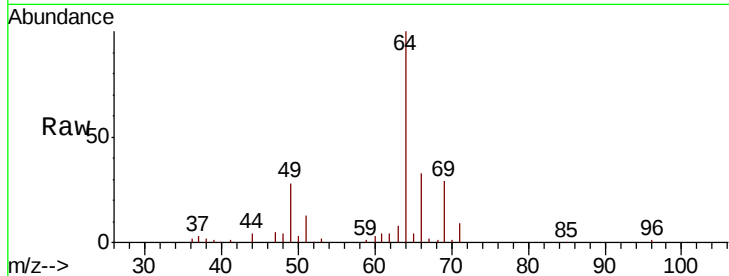




#8
Chloroethane
Concen: 24.843 ug/L
RT: 2.92 min Scan# 167
Delta R.T. -0.01 min
Lab File: VW016352.D
Acq: 25 Aug 2020 14:35

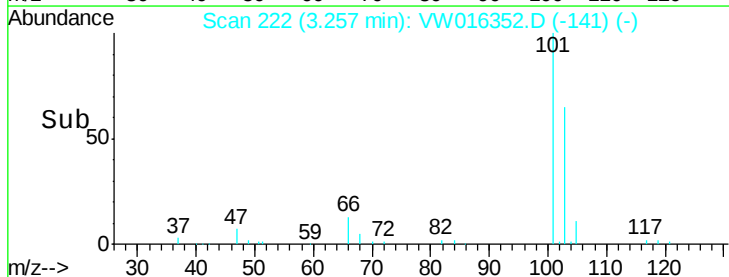
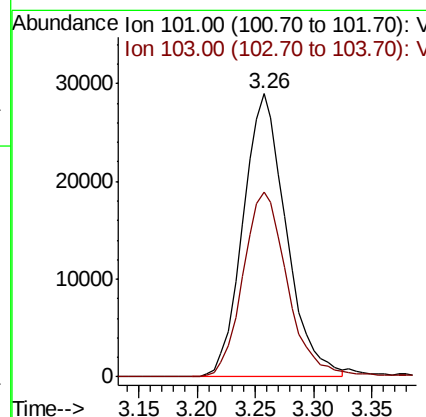
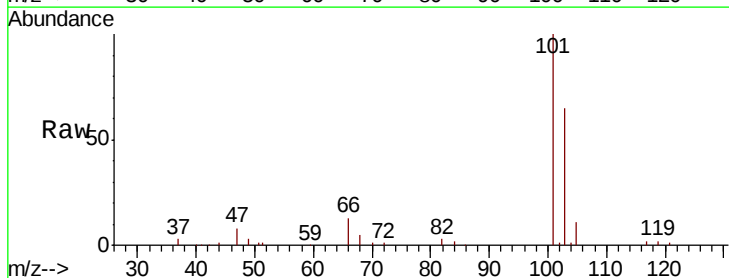
Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

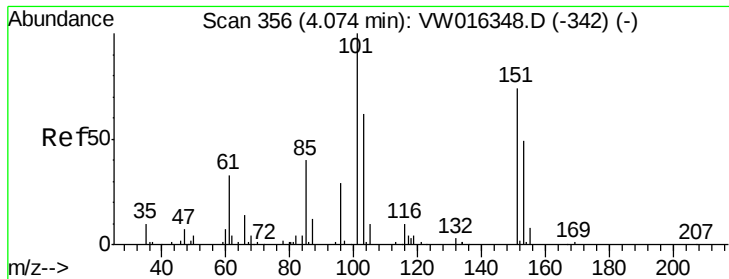
Tot Ion: 64 Resp: 44212
Ion Ratio Lower Upper
64 100
66 33.0 24.1 44.8



#9
Trichlorofluoromethane
Concen: 21.664 ug/L
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW016352.D
Acq: 25 Aug 2020 14:35

Tgt Ion:101 Resp: 74825
Ion Ratio Lower Upper
101 100
103 67.6 44.8 83.2





#11

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

Concen: 24.643 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW016352.D

Acq: 25 Aug 2020 14:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

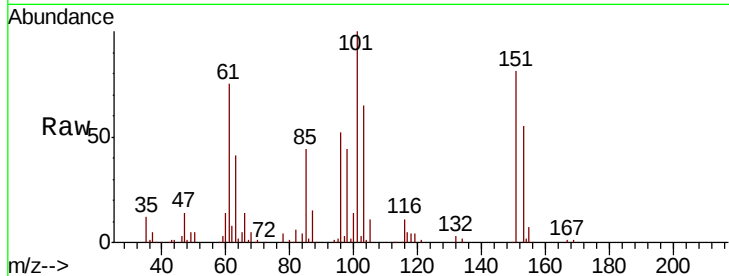
Tot Ion:101 Resp: 92910

Ion Ratio Lower Upper

101 100

85 41.4 31.8 47.6

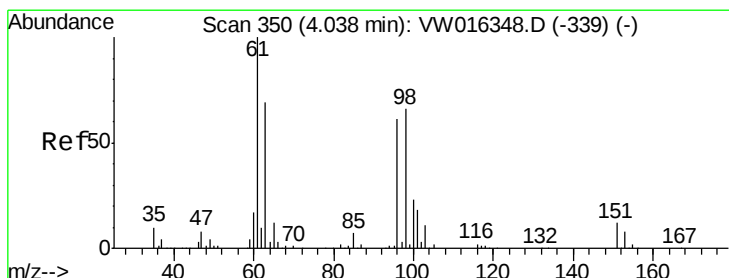
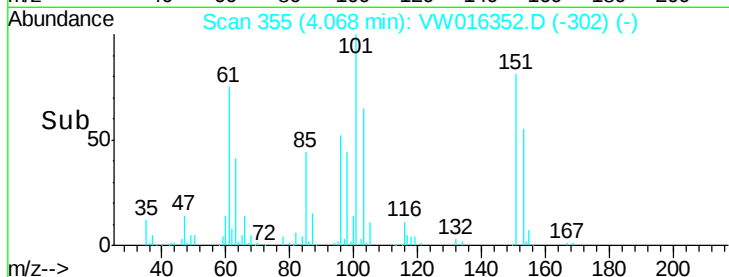
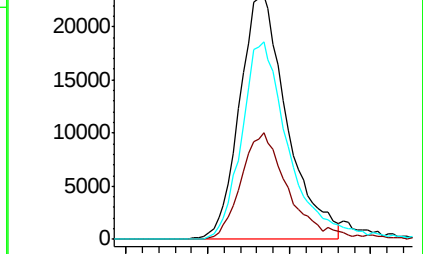
151 79.6 60.9 91.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.264 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW016352.D

Acq: 25 Aug 2020 14:35

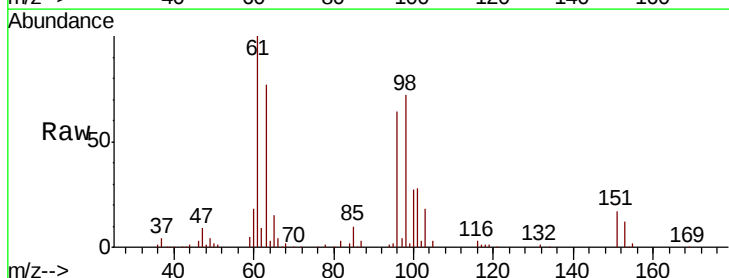
Tgt Ion: 96 Resp: 91613

Ion Ratio Lower Upper

96 100

61 156.1 112.3 208.5

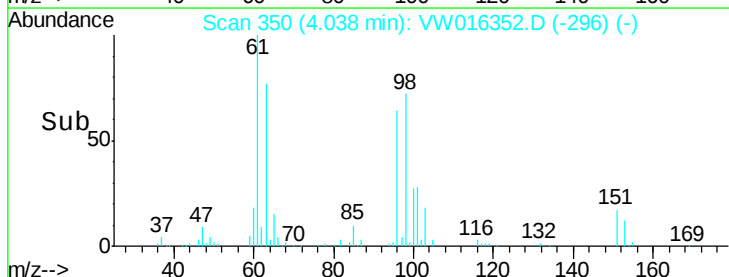
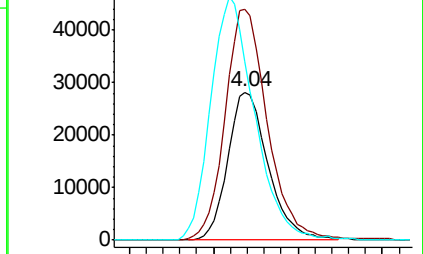
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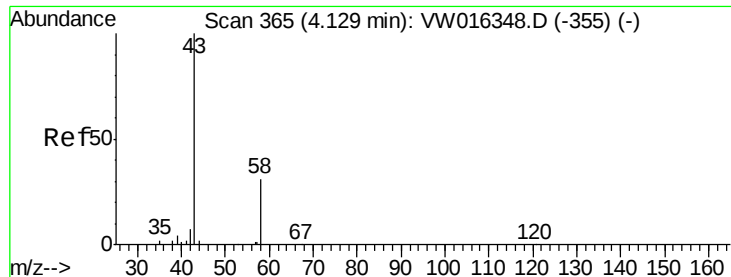


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 57.277 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW016352.D

Acq: 25 Aug 2020 14:35

Instrument :

MSVOA_W

ClientSampled :

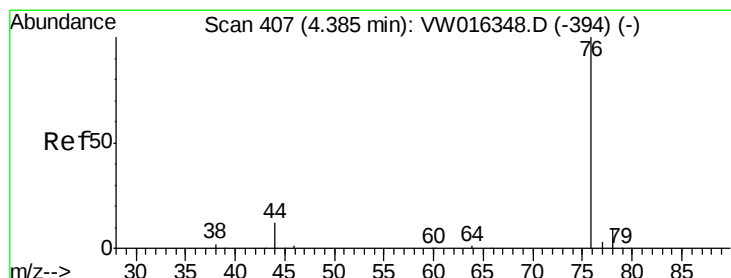
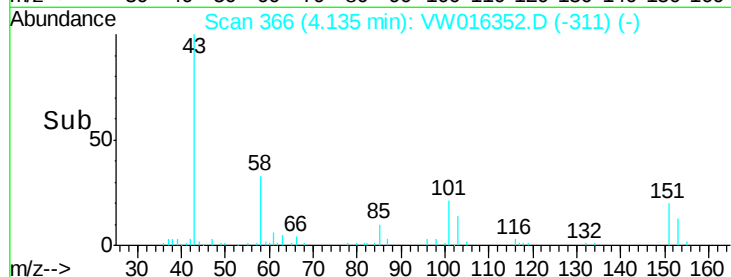
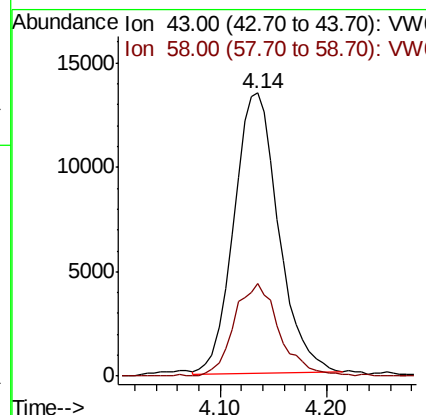
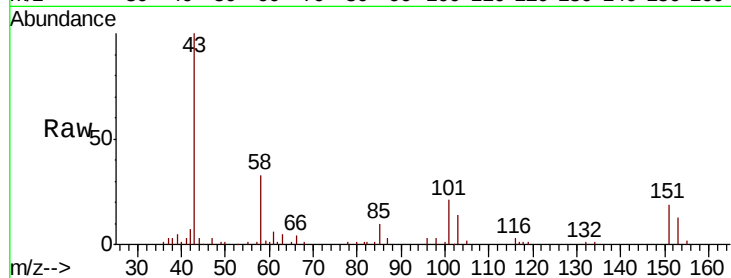
VSTD02526

Tot Ion: 43 Resp: 39426

Ion Ratio Lower Upper

43 100

58 33.4 0.0 63.8



#14

Carbon disulfide

Concen: 24.260 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW016352.D

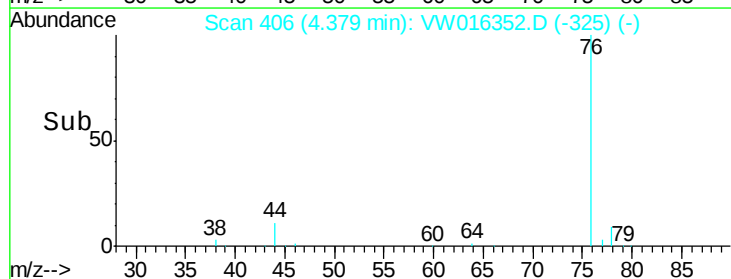
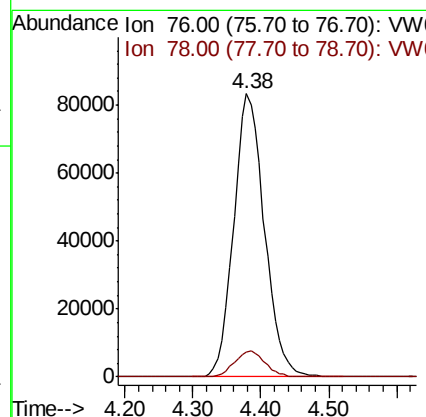
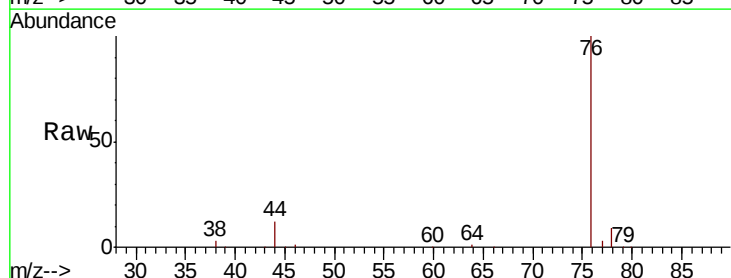
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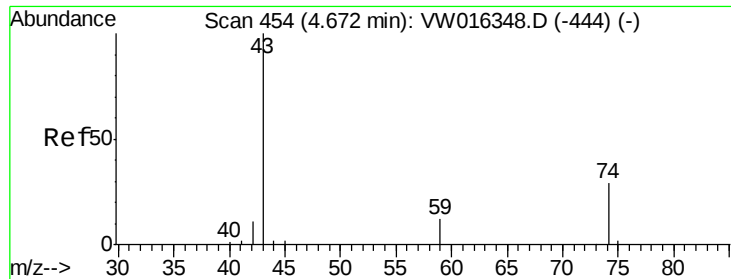
Tgt Ion: 76 Resp: 260831

Ion Ratio Lower Upper

76 100

78 8.8 7.7 11.5

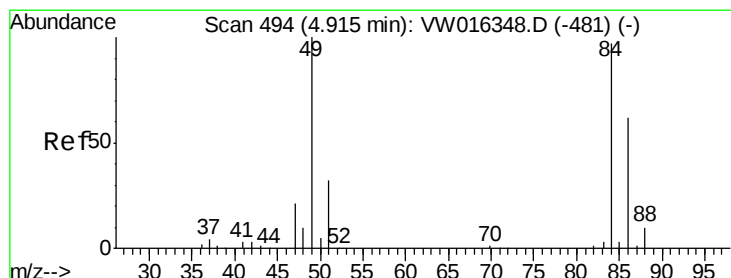
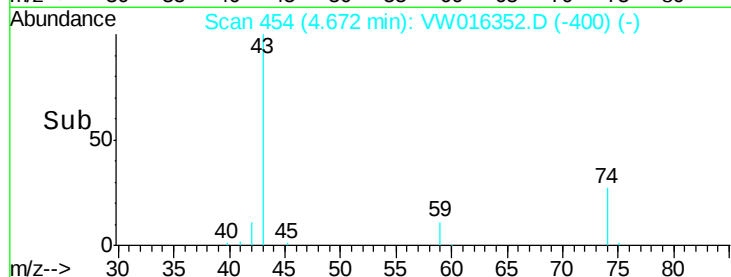
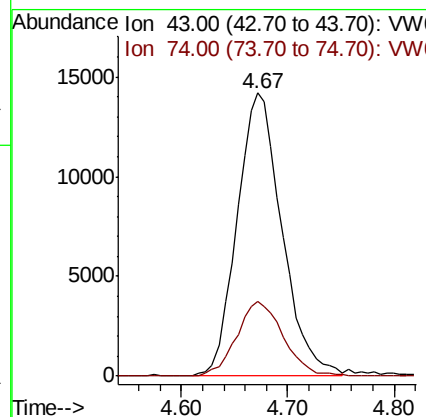
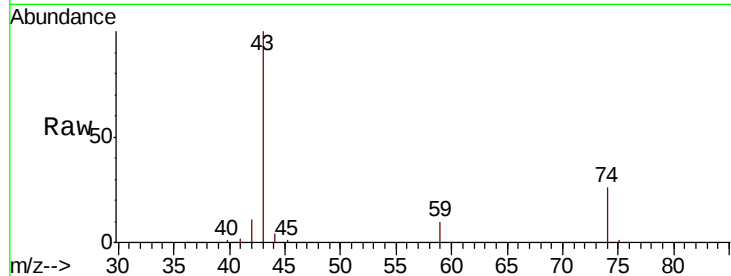




#15
Methvl Acetate
Concen: 30.196 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW016352.D
Acq: 25 Aug 2020 14:35

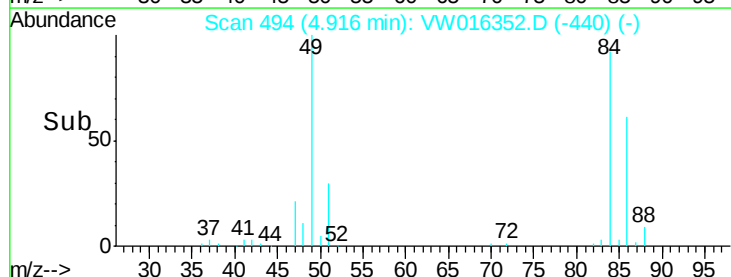
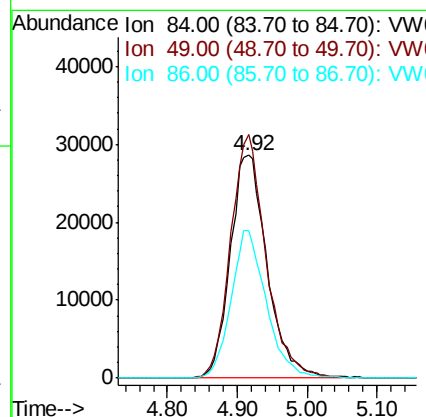
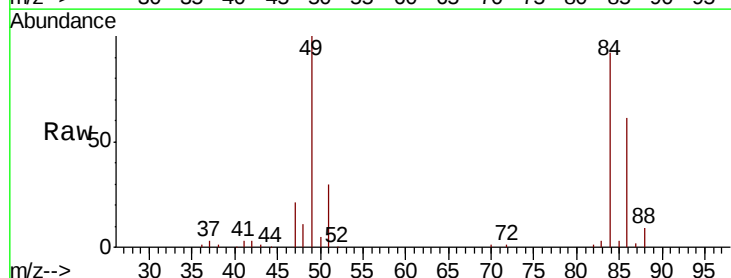
Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

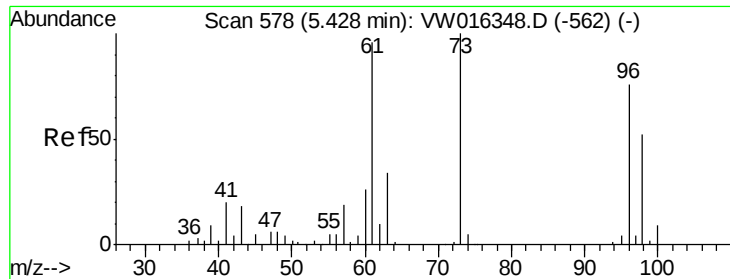
Tot Ion: 43 Resp: 41819
Ion Ratio Lower Upper
43 100
74 27.1 21.0 31.6



#16
Methylene chloride
Concen: 20.730 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW016352.D
Acq: 25 Aug 2020 14:35

Tgt Ion: 84 Resp: 104677
Ion Ratio Lower Upper
84 100
49 109.3 75.3 139.9
86 66.5 43.3 80.3

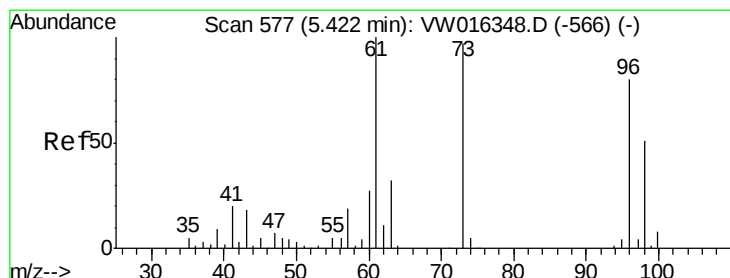
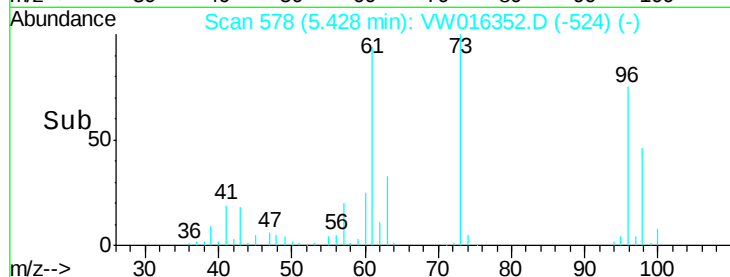
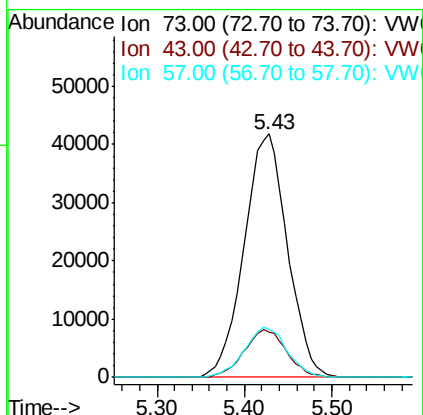
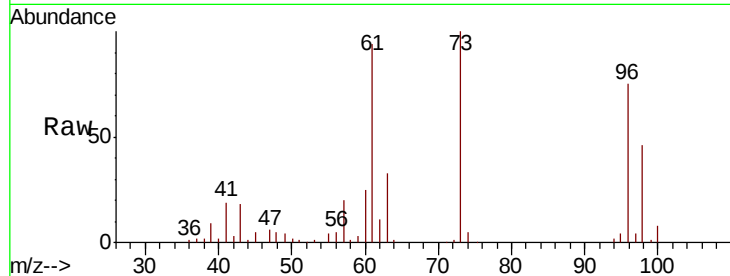




#17
Methvl tert-butvl Ether
Concen: 27.095 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW016352.D
Acq: 25 Aug 2020 14:35

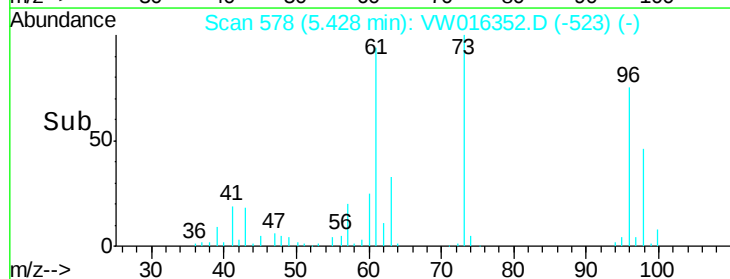
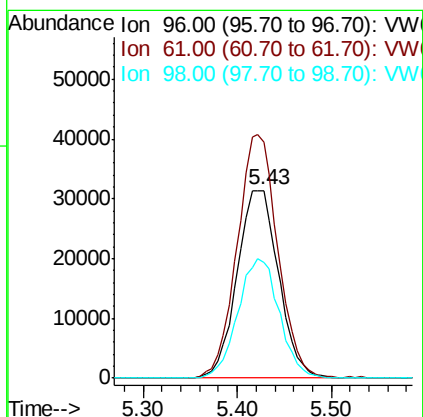
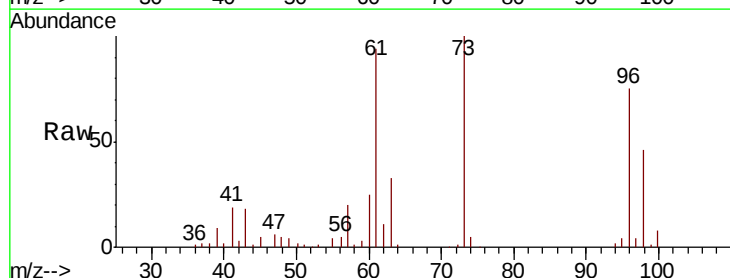
Instrument :
MSVOA_W
ClientSampled :
VSTD02526

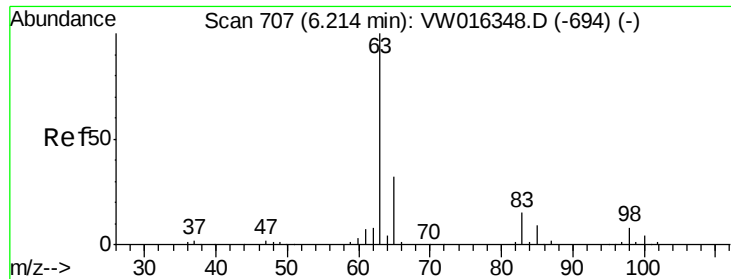
Tot Ion: 73 Resp: 143661
Ion Ratio Lower Upper
73 100
43 19.2 15.3 22.9
57 20.3 16.1 24.1



#18
trans-1,2-Dichloroethene
Concen: 25.424 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW016352.D
Acq: 25 Aug 2020 14:35

Tgt Ion: 96 Resp: 96846
Ion Ratio Lower Upper
96 100
61 126.0 89.9 167.0
98 61.6 41.6 77.2

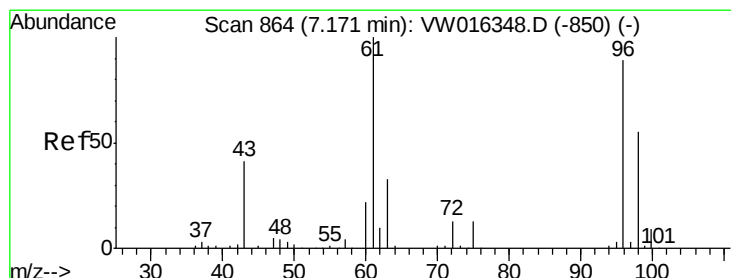
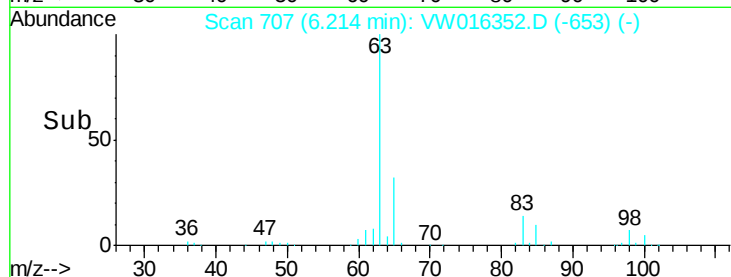
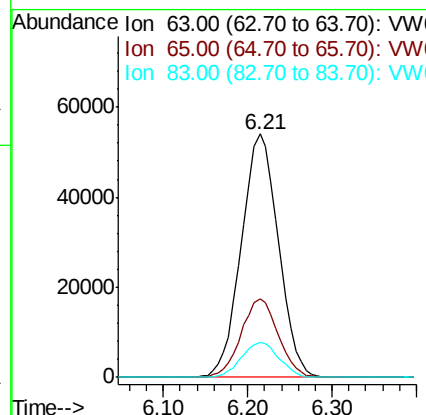
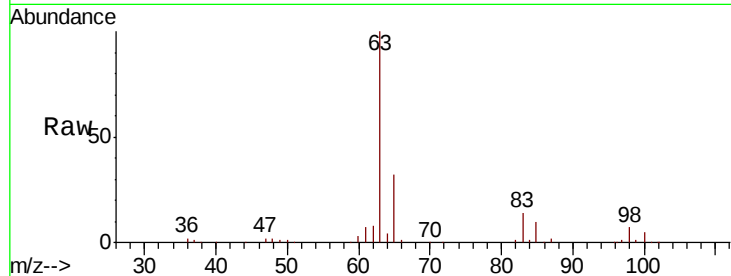




#19
 1,1-Dichloroethane
 Concen: 25.671 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW016352.D
 Acq: 25 Aug 2020 14:35

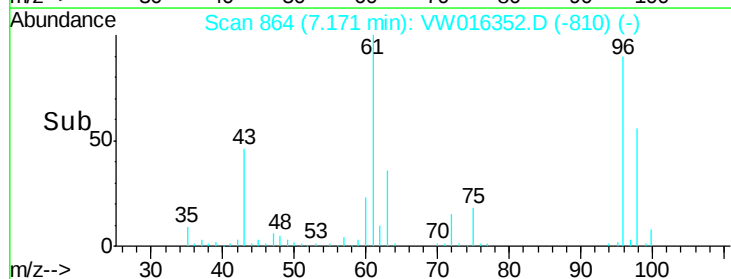
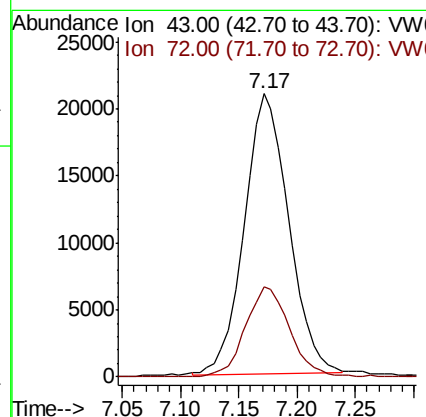
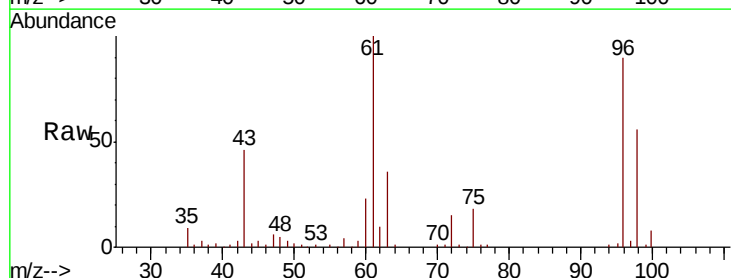
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

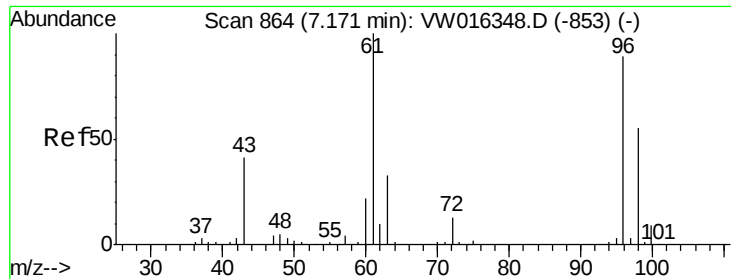
Tot Ion: 63 Resp: 161112
 Ion Ratio Lower Upper
 63 100
 65 32.2 21.8 40.6
 83 14.4 9.6 17.8



#21
 2-Butanone
 Concen: 56.662 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW016352.D
 Acq: 25 Aug 2020 14:35

Tgt Ion: 43 Resp: 55568
 Ion Ratio Lower Upper
 43 100
 72 31.9 16.0 48.0



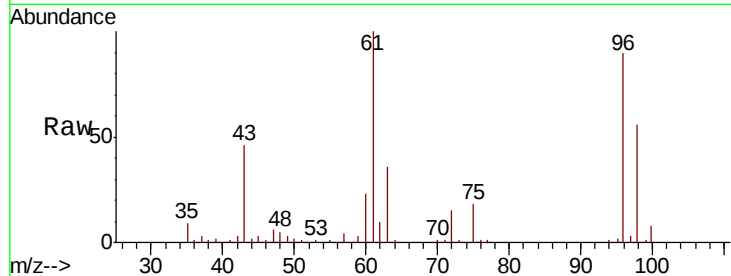


#22

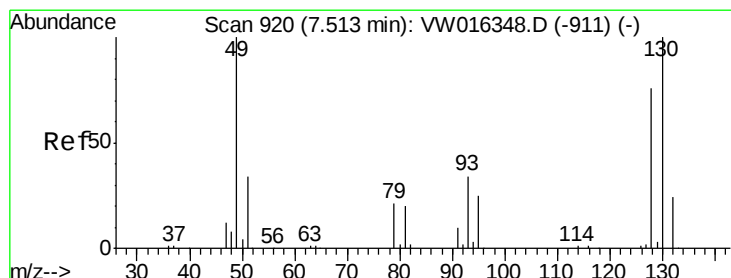
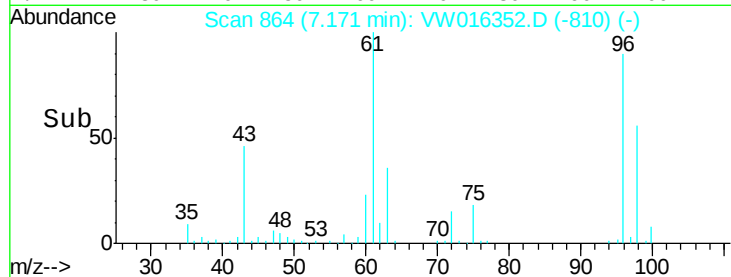
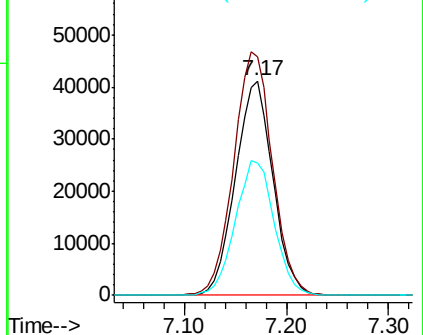
cis-1,2-Dichloroethene
Concen: 26.226 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW016352.D
Acq: 25 Aug 2020 14:35

Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

Tot Ion: 96 Resp: 105063
Ion Ratio Lower Upper
96 100
61 111.2 84.9 157.7
98 61.9 46.8 86.8



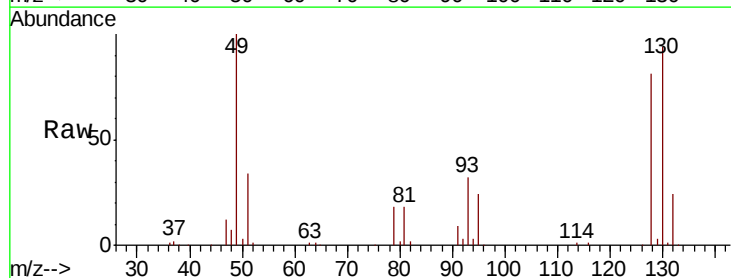
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



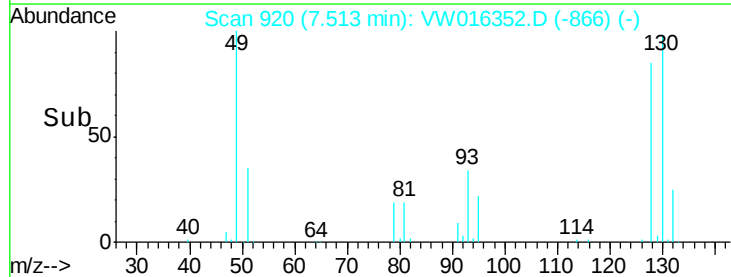
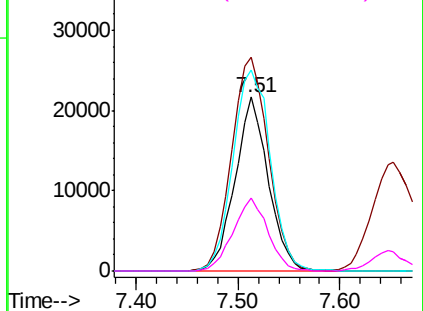
#23

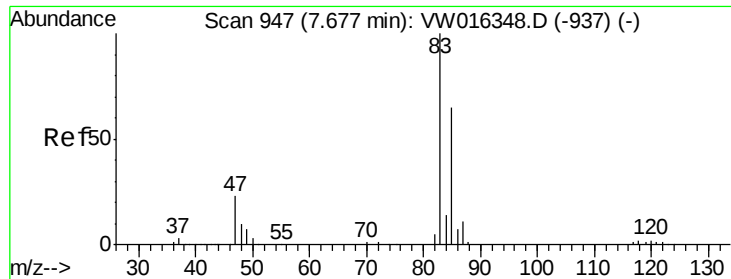
Bromochloromethane
Concen: 26.699 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW016352.D
Acq: 25 Aug 2020 14:35

Tgt Ion: 128 Resp: 49059
Ion Ratio Lower Upper
128 100
49 122.8 94.5 175.5
130 115.7 83.0 154.1
51 42.0 33.4 50.0



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

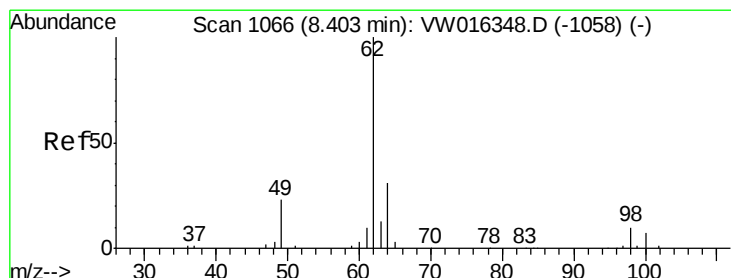
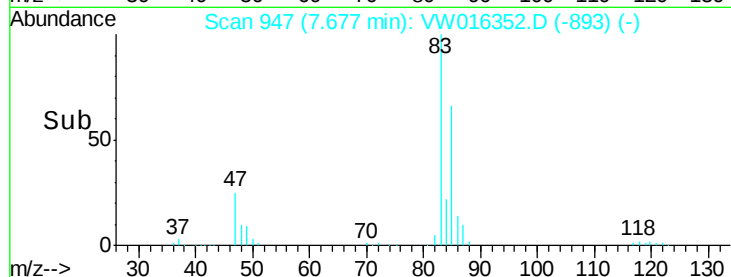
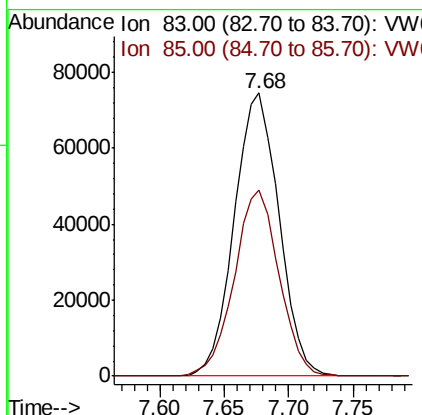
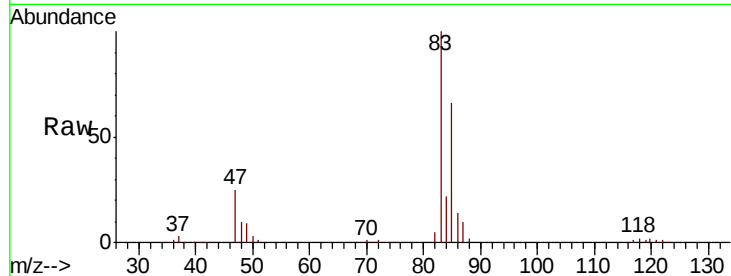




#25
Chloroform
Concen: 26.542 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW016352.D
Acq: 25 Aug 2020 14:35

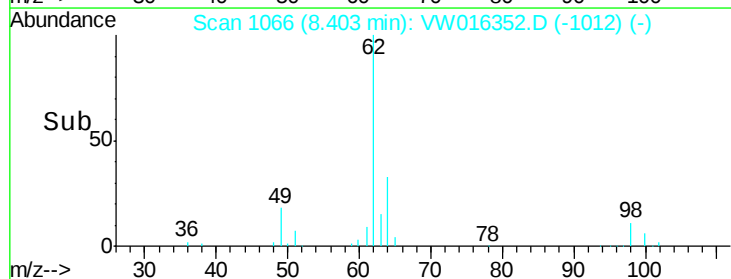
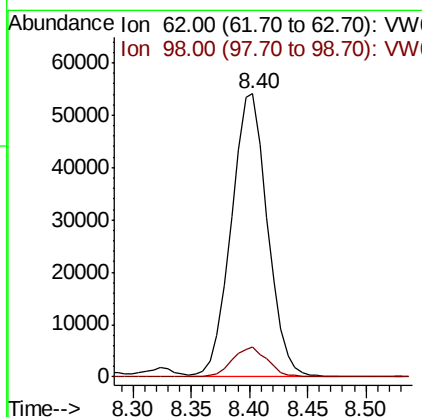
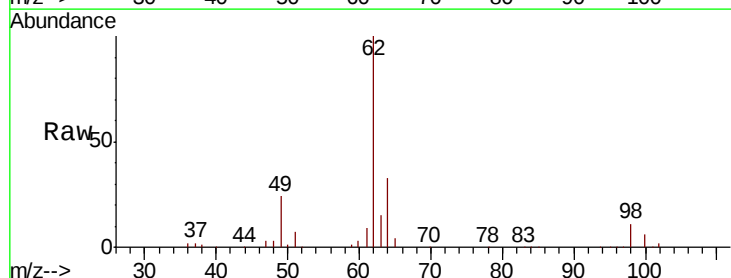
Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

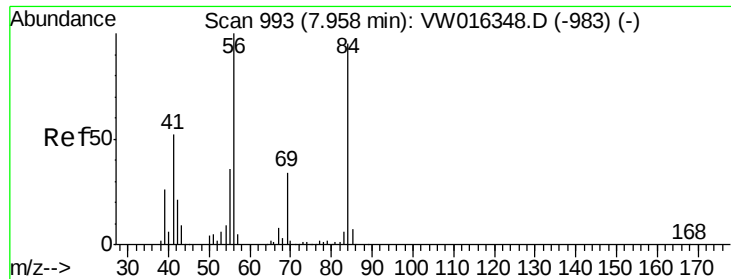
Tot Ion: 83 Resp: 179401
Ion Ratio Lower Upper
83 100
85 66.1 45.3 84.1



#27
1,2-Dichloroethane
Concen: 27.745 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016352.D
Acq: 25 Aug 2020 14:35

Tgt Ion: 62 Resp: 117453
Ion Ratio Lower Upper
62 100
98 10.6 7.8 11.8

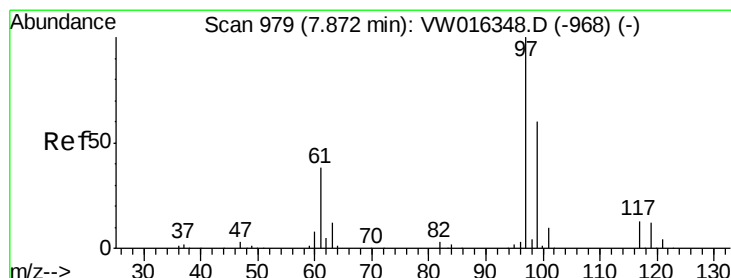
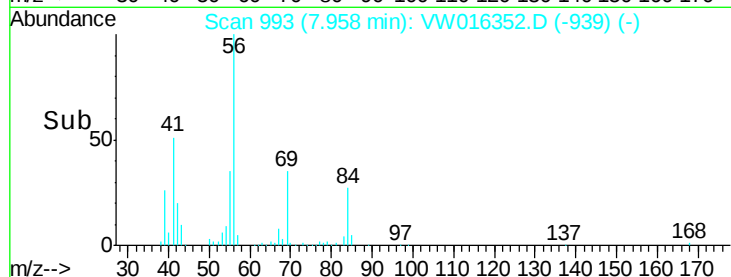
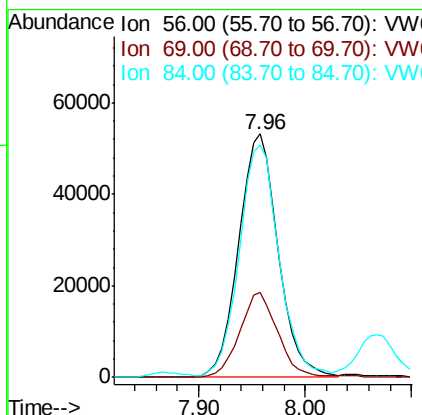
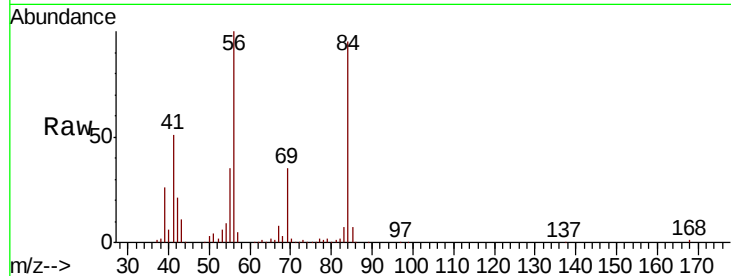




#30
Cyclohexane
Concen: 24.639 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW016352.D
Acq: 25 Aug 2020 14:35

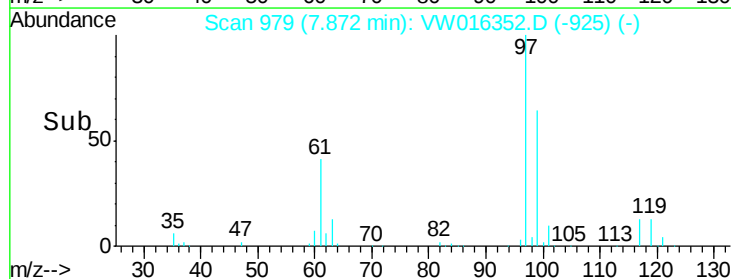
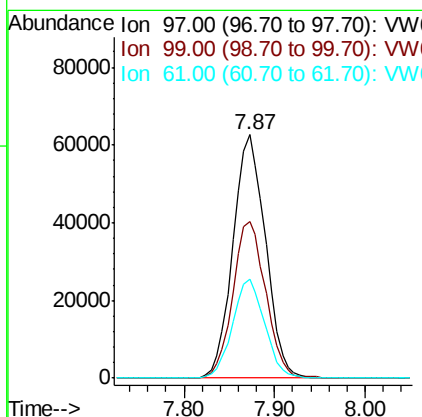
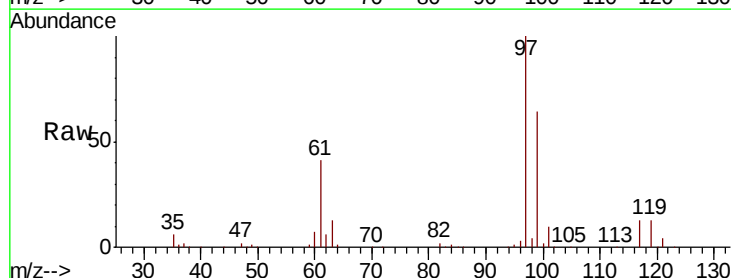
Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

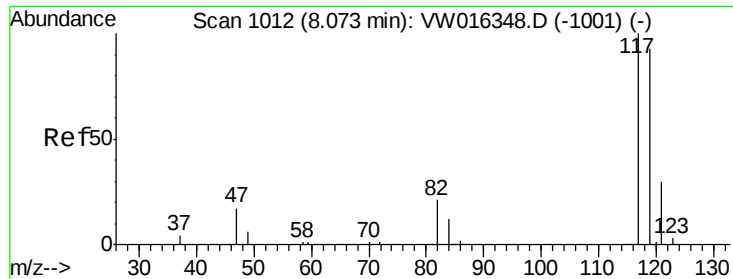
Tot Ion	56	Resp	138606
Ion Ratio	Lower	Upper	
56	100		
69	33.6	26.6	40.0
84	96.4	78.4	117.6



#31
1,1,1-Trichloroethane
Concen: 25.086 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW016352.D
Acq: 25 Aug 2020 14:35

Tgt Ion	97	Resp	157040
Ion Ratio	Lower	Upper	
97	100		
99	64.8	51.5	77.3
61	40.2	32.0	48.0





#32

Carbon tetrachloride

Concen: 24.689 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW016352.D

Acq: 25 Aug 2020 14:35

Instrument :

MSVOA_W

ClientSampleId :

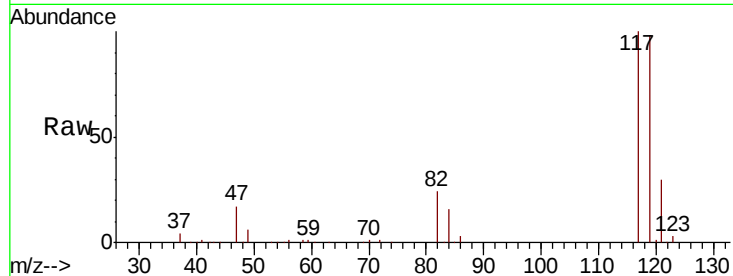
VSTD02526

Tot Ion:117 Resp: 146755

Ion Ratio Lower Upper

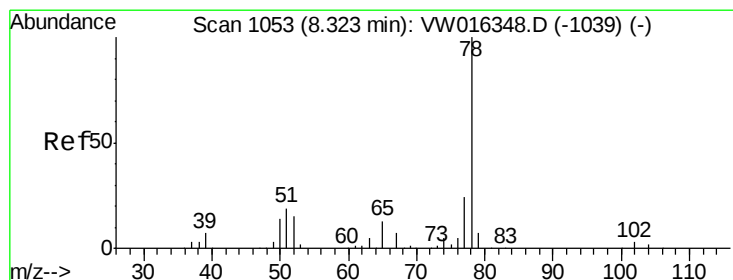
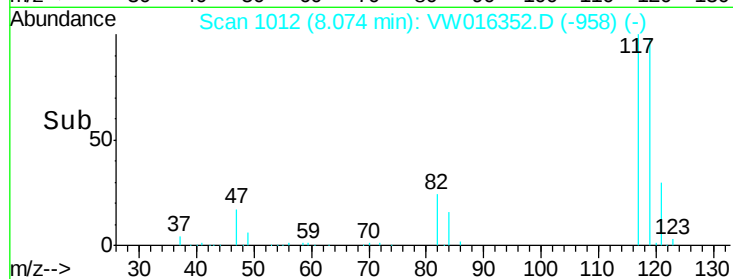
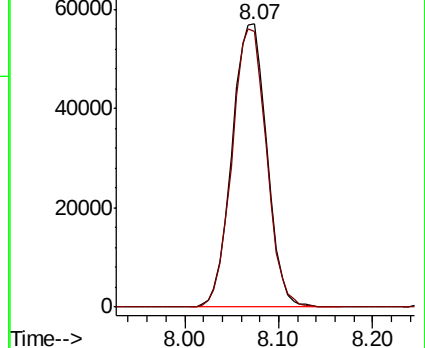
117 100

119 97.2 77.3 115.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.383 ug/L

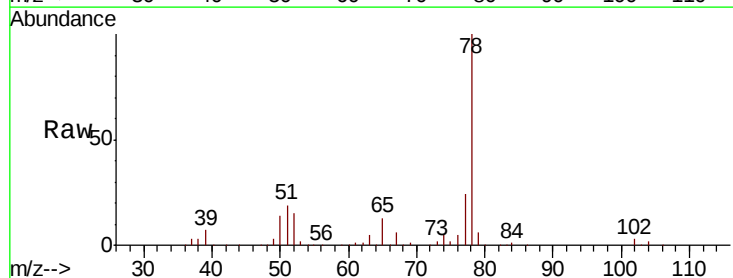
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW016352.D

Acq: 25 Aug 2020 14:35

Tgt Ion: 78 Resp: 378947



Abundance Ion 78.00 (77.70 to 78.70): VW

200000

150000

100000

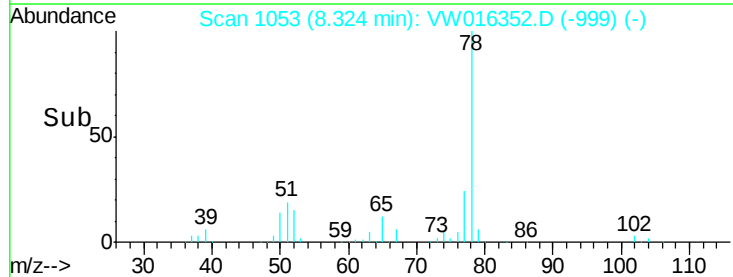
50000

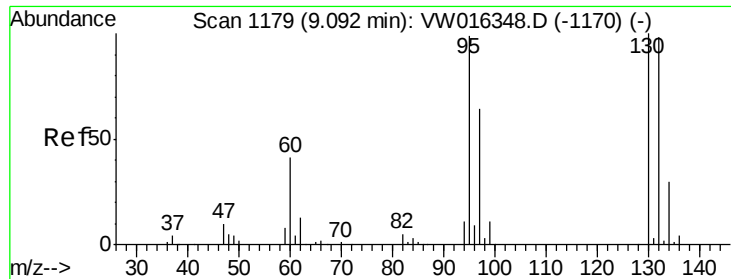
0

8.32

Time-->

8.20 8.30 8.40





#35

Trichloroethene

Concen: 24.430 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW016352.D

Acq: 25 Aug 2020 14:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

Tot Ion: 95 Resp: 103268

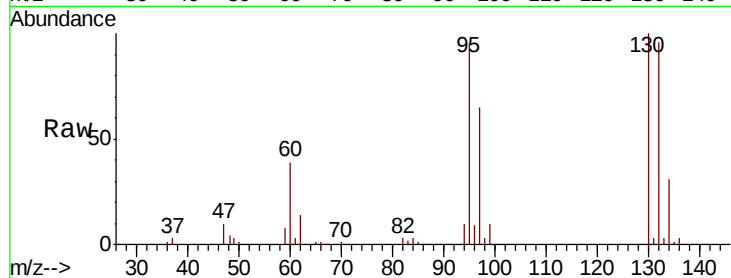
Ion Ratio Lower Upper

95 100

97 65.4 44.9 83.5

132 97.4 68.2 126.6

130 106.1 71.5 132.9

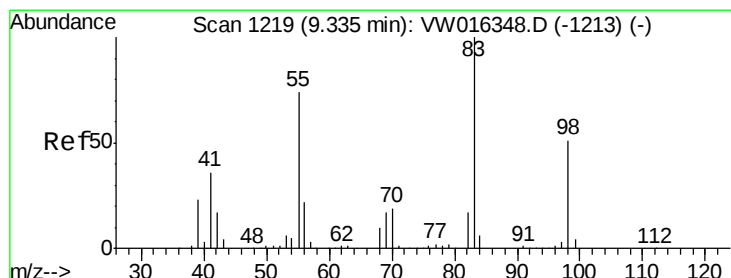
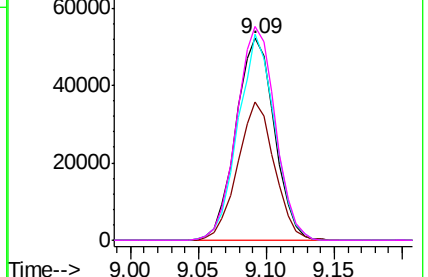
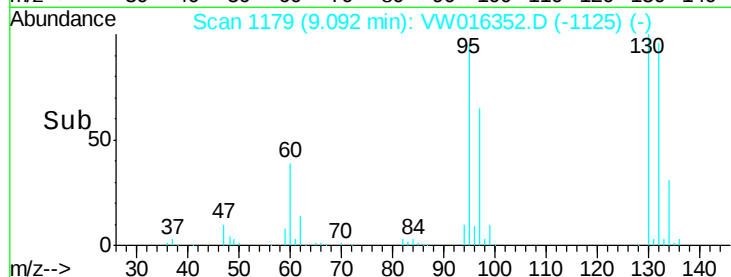


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 24.373 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW016352.D

Acq: 25 Aug 2020 14:35

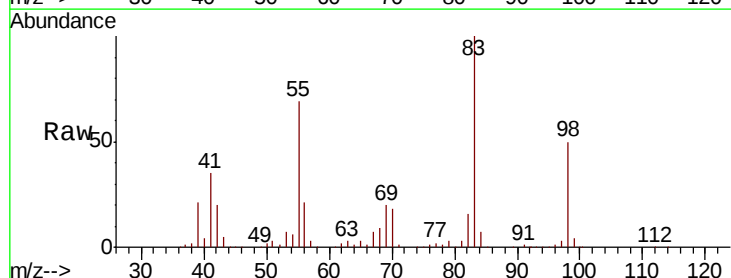
Tgt Ion: 83 Resp: 168186

Ion Ratio Lower Upper

83 100

55 71.7 55.6 83.4

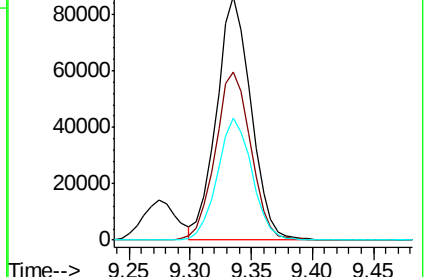
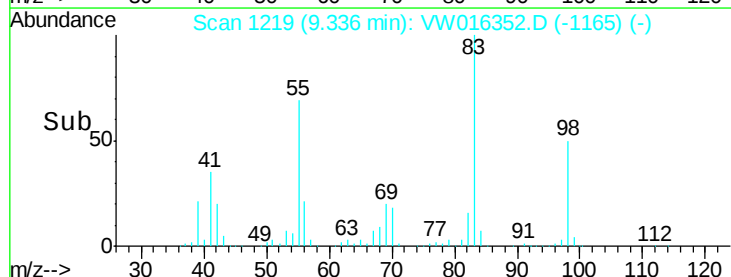
98 50.5 40.6 61.0

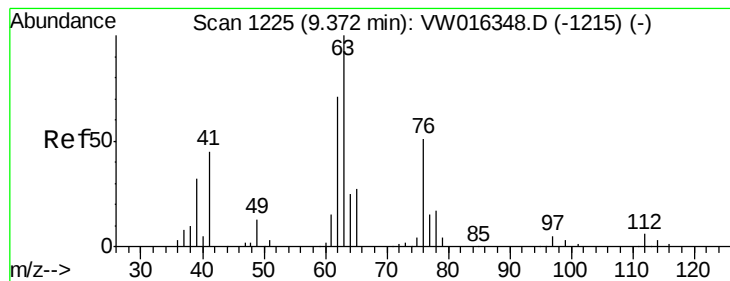


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 25.137 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW016352.D

Acq: 25 Aug 2020 14:35

Instrument :

MSVOA_W

ClientSampleID :

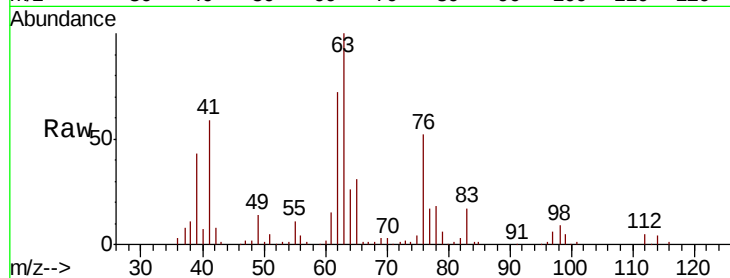
VSTD02526

Tot Ion: 63 Resp: 88255

Ion Ratio Lower Upper

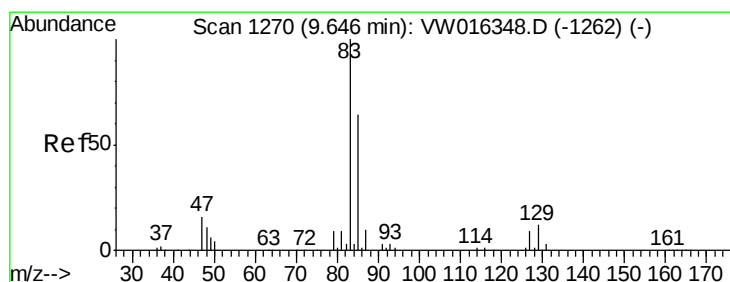
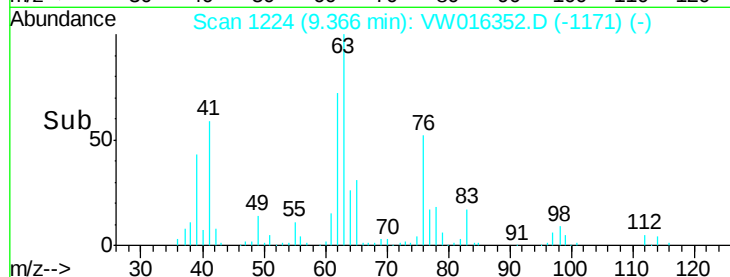
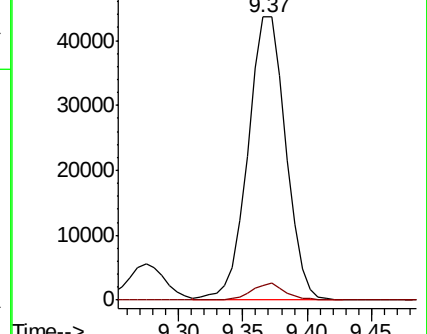
63 100

112 5.3 4.4 6.6



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 26.511 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW016352.D

Acq: 25 Aug 2020 14:35

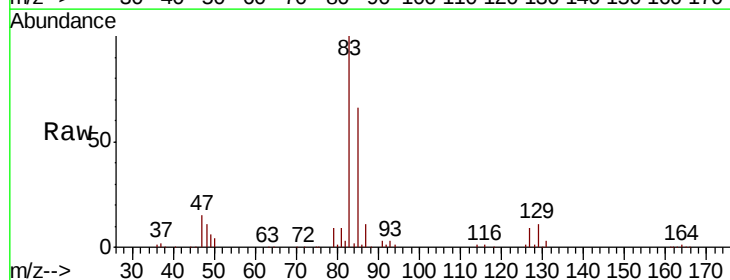
Tgt Ion: 83 Resp: 131853

Ion Ratio Lower Upper

83 100

85 65.8 44.7 83.1

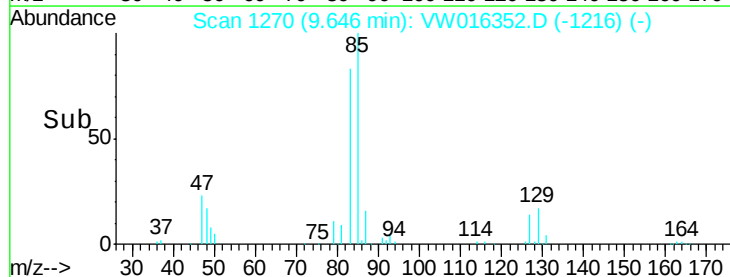
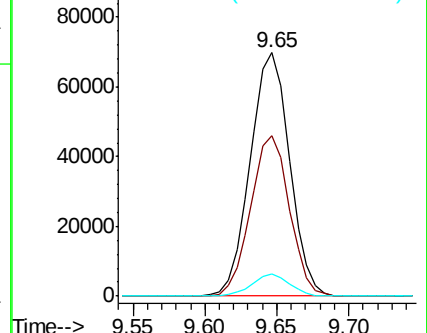
127 8.9 7.0 10.4

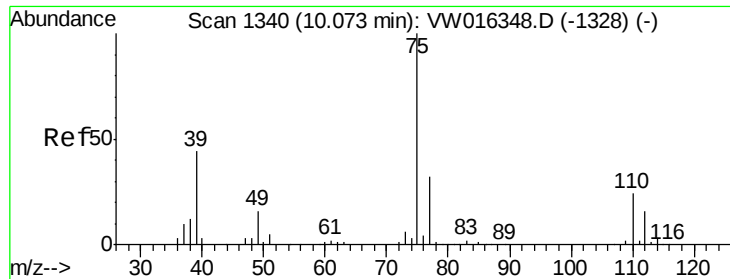


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 26.578 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW016352.D

Acq: 25 Aug 2020 14:35

Instrument :

MSVOA_W

ClientSampleId :

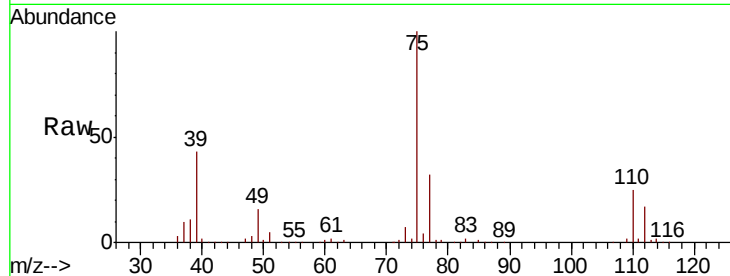
VSTD02526

Tot Ion: 75 Resp: 152788

Ion Ratio Lower Upper

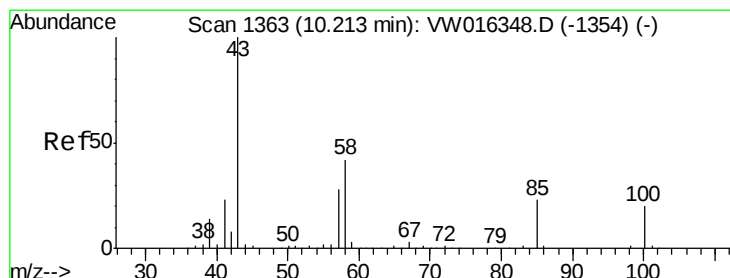
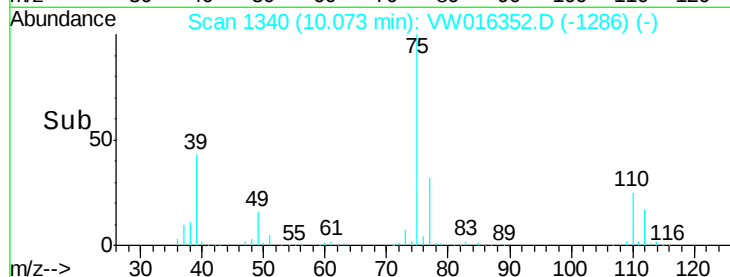
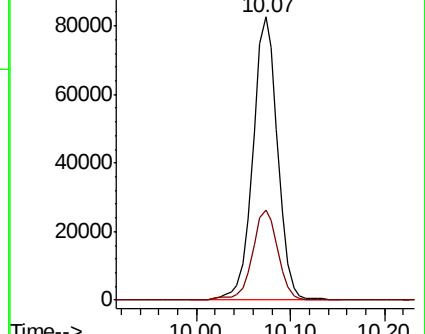
75 100

77 32.0 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

4-Methyl-2-pentanone

Concen: 58.316 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016352.D

Acq: 25 Aug 2020 14:35

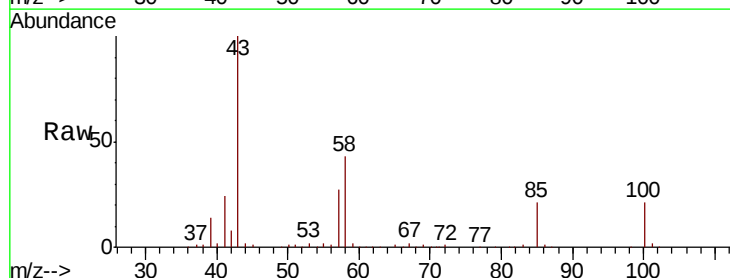
Tgt Ion: 43 Resp: 122419

Ion Ratio Lower Upper

43 100

58 43.3 34.9 52.3

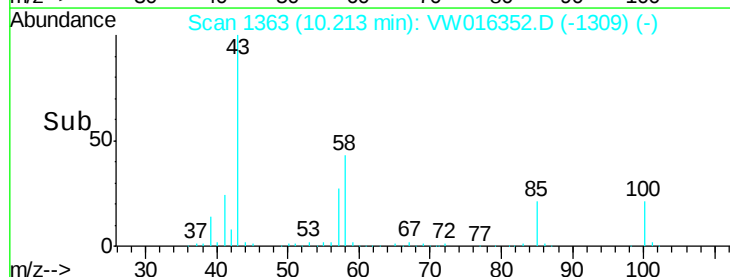
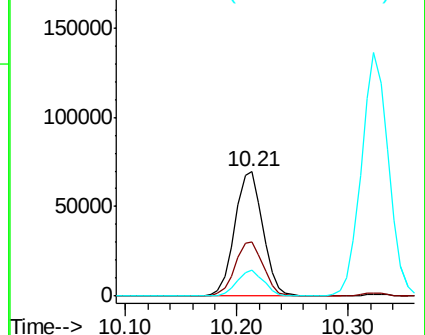
100 20.1 15.9 23.9

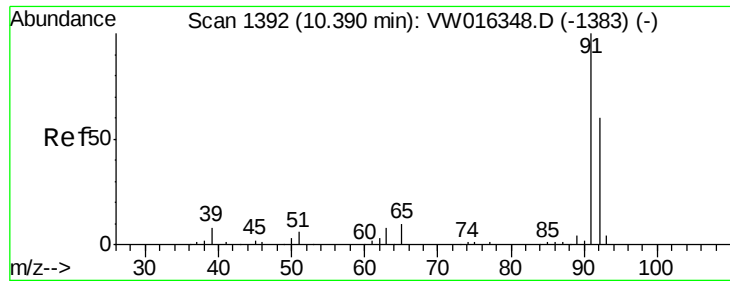


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 25.579 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016352.D

Acq: 25 Aug 2020 14:35

Instrument :

MSVOA_W

ClientSampleId :

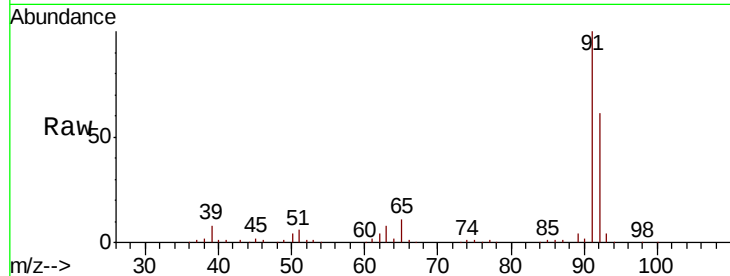
VSTD02526

Tot Ion: 91 Resp: 415874

Ion Ratio Lower Upper

91 100

92 60.6 41.5 77.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

250000

200000

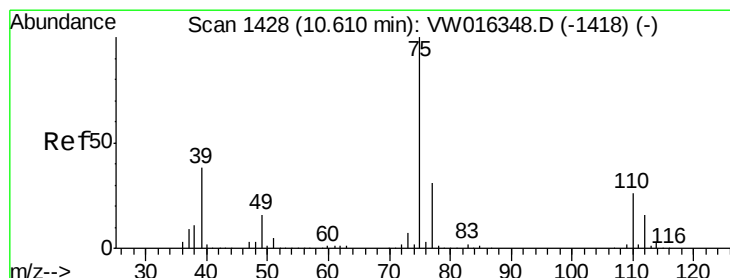
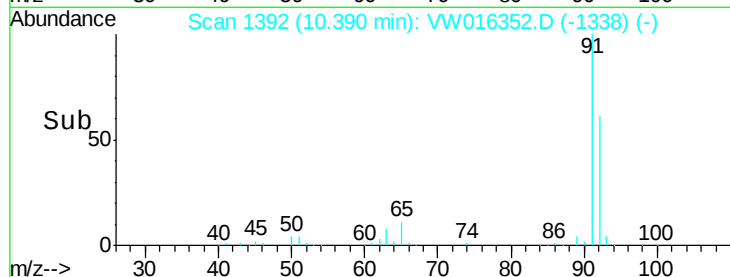
150000

100000

50000

0

Time--> 10.30 10.35 10.40 10.45



#45

trans-1,3-Dichloropropene

Concen: 28.000 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW016352.D

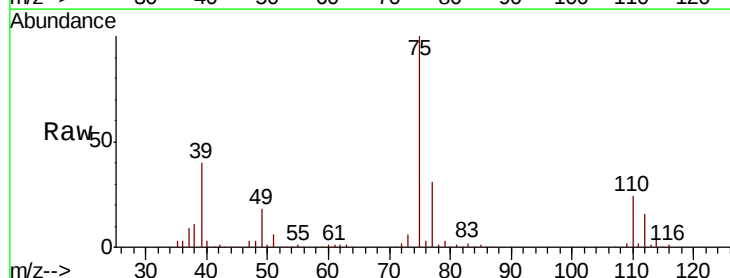
Acq: 25 Aug 2020 14:35

Tgt Ion: 75 Resp: 142313

Ion Ratio Lower Upper

75 100

77 31.2 21.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.60

80000

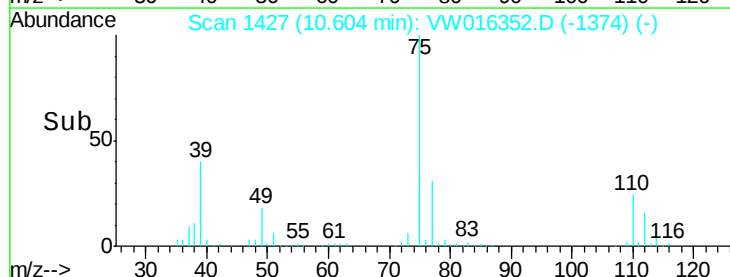
60000

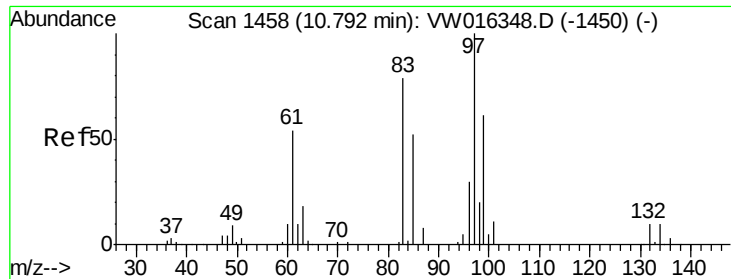
40000

20000

0

Time--> 10.50 10.60 10.70





#46

1,1,2-Trichloroethane

Concen: 27.690 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.01 min

Lab File: VW016352.D

Acq: 25 Aug 2020 14:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

Tot Ion: 97 Resp: 80242

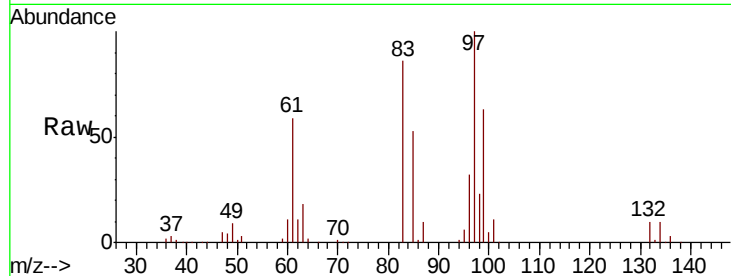
Ion Ratio Lower Upper

97 100

83 86.2 57.9 107.5

85 53.2 38.8 72.0

99 63.2 46.4 86.2



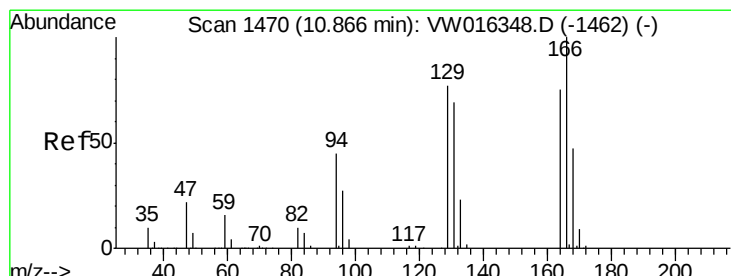
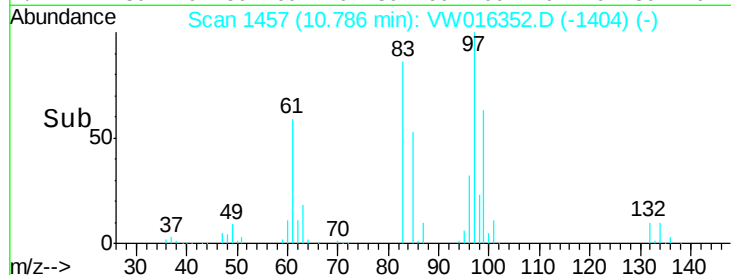
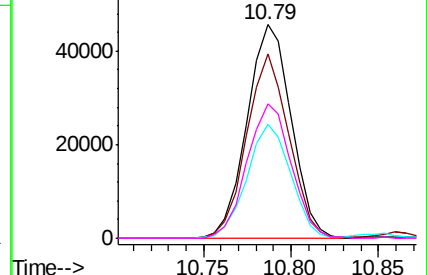
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 25.049 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW016352.D

Acq: 25 Aug 2020 14:35

Tgt Ion: 164 Resp: 83495

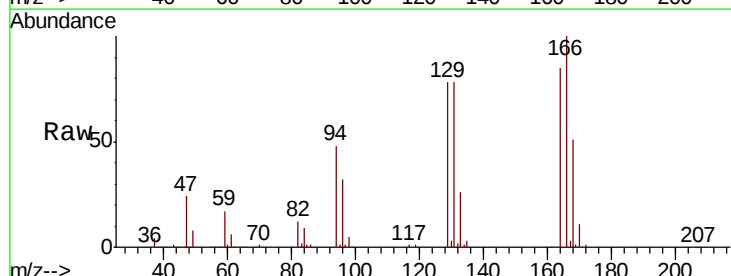
Ion Ratio Lower Upper

164 100

129 91.8 71.5 132.7

131 91.7 67.4 125.2

166 118.0 92.5 171.9



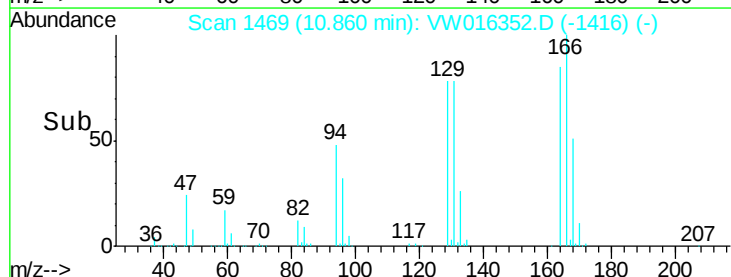
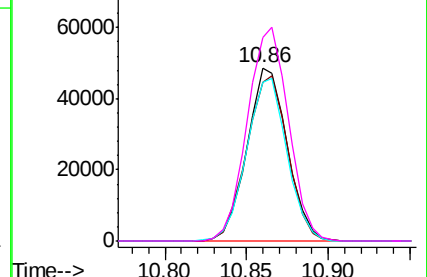
Abundance

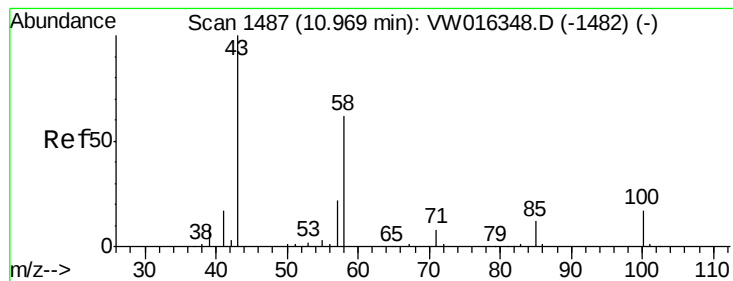
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 63.806 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW016352.D

Acq: 25 Aug 2020 14:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

Tot Ion: 43 Resp: 86772

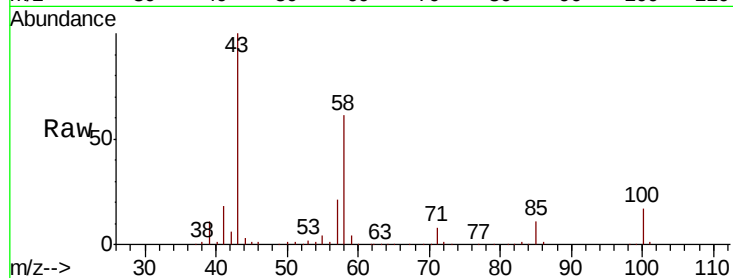
Ion Ratio Lower Upper

43 100

58 61.2 49.5 74.3

57 21.5 17.7 26.5

100 15.9 12.9 19.3

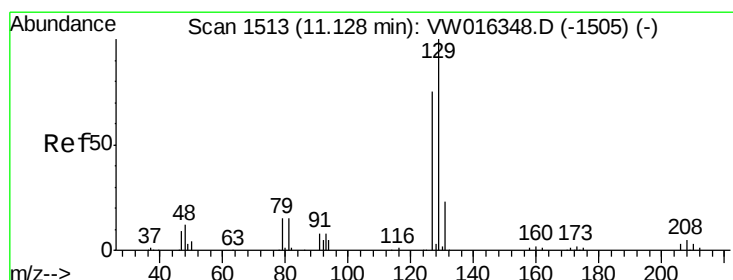
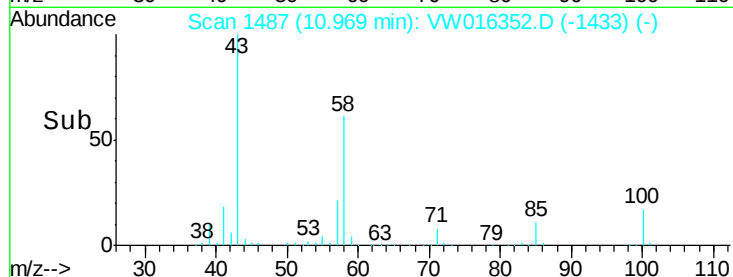
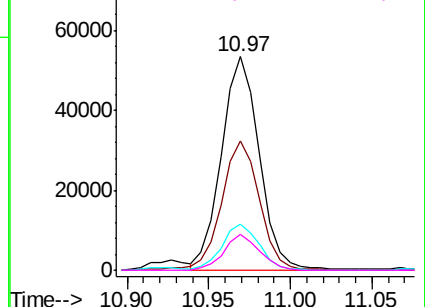


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 27.585 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW016352.D

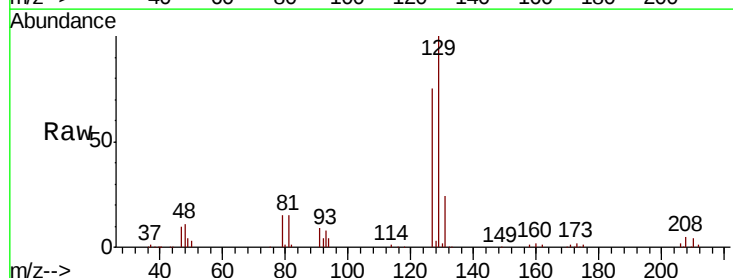
Acq: 25 Aug 2020 14:35

Tgt Ion: 129 Resp: 99558

Ion Ratio Lower Upper

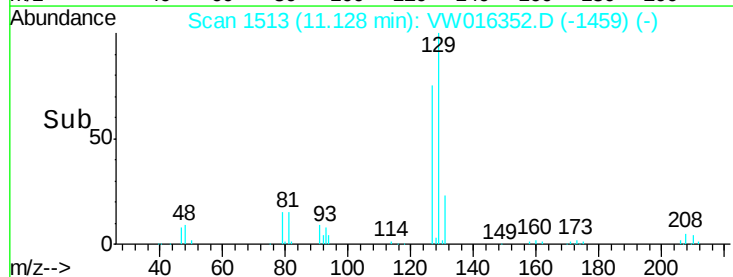
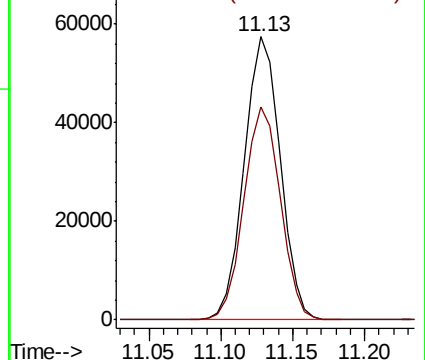
129 100

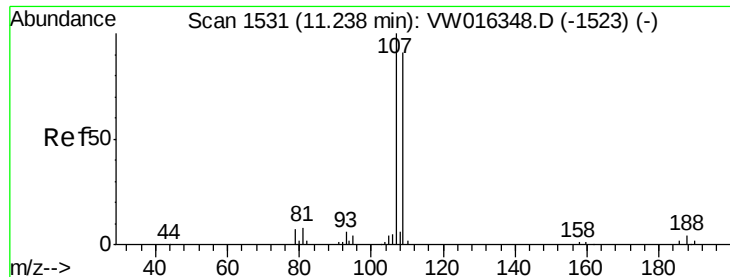
127 75.1 53.8 99.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

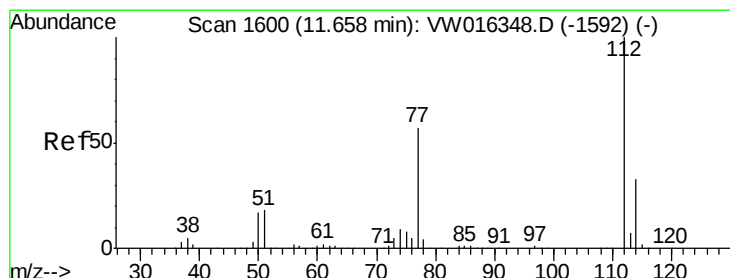
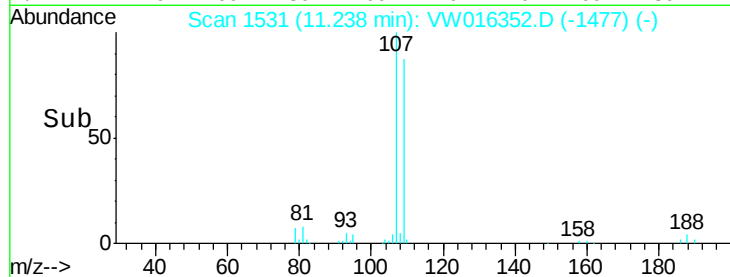
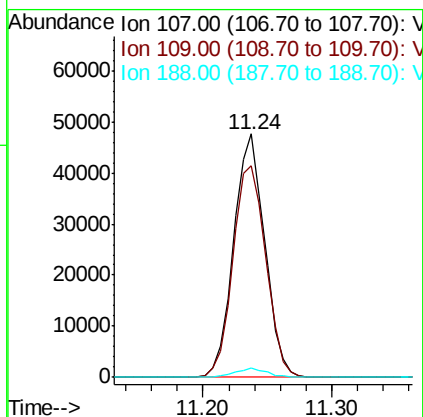
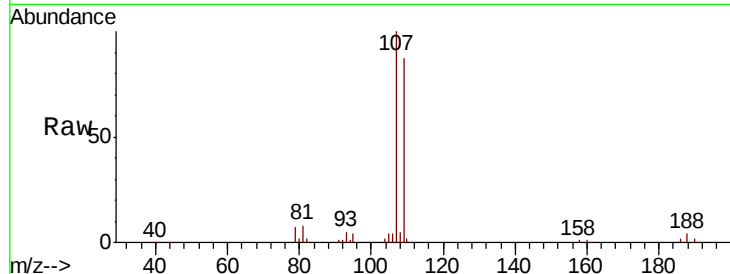




#51
1,2-Dibromoethane
Concen: 28.194 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW016352.D
Acq: 25 Aug 2020 14:35

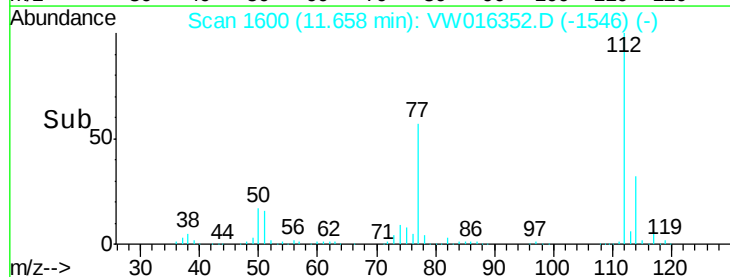
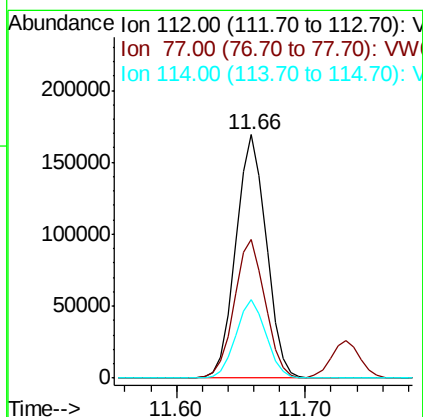
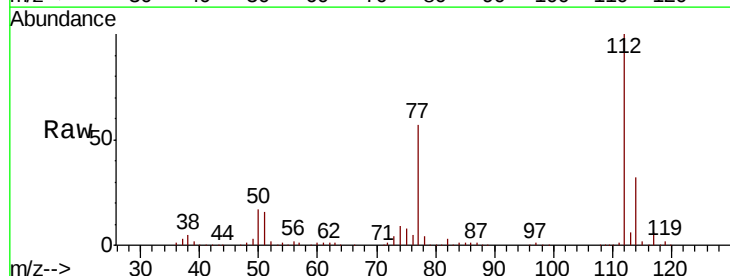
Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

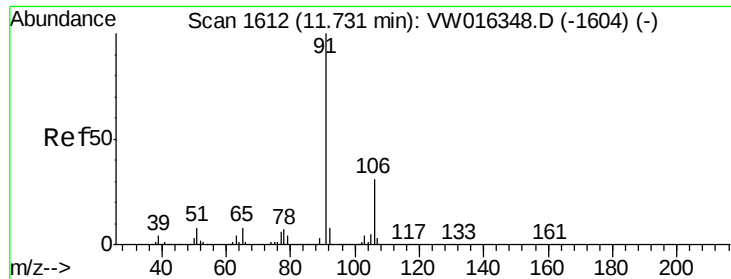
Tot Ion:107 Resp: 79973
Ion Ratio Lower Upper
107 100
109 87.2 65.7 121.9
188 3.6 3.3 4.9



#52
Chlorobenzene
Concen: 25.503 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016352.D
Acq: 25 Aug 2020 14:35

Tgt Ion:112 Resp: 276928
Ion Ratio Lower Upper
112 100
77 57.1 46.9 70.3
114 32.4 23.3 43.3

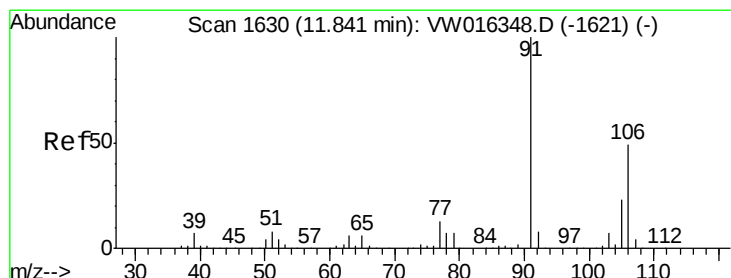
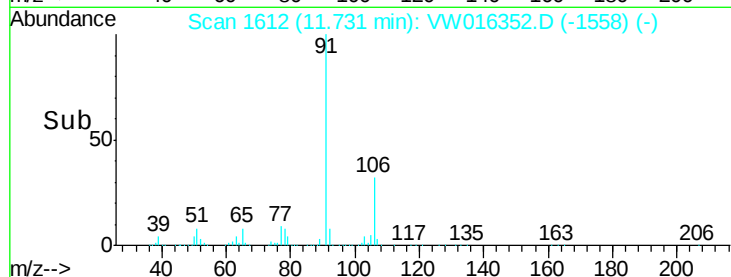
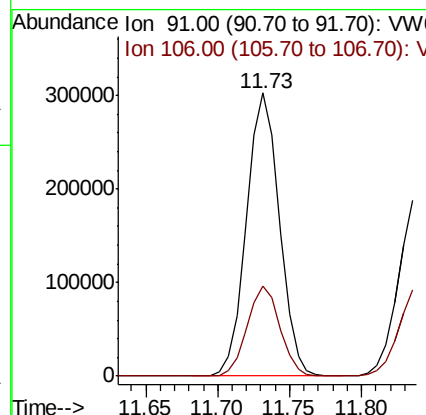
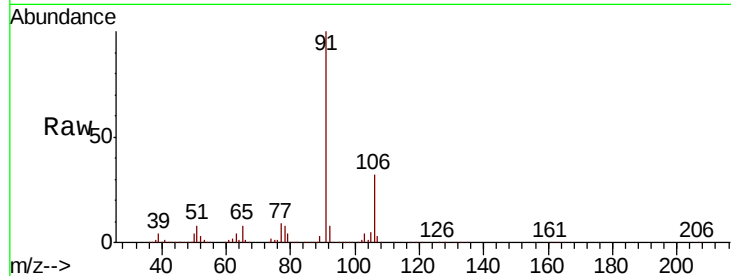




#53
Ethylbenzene
Concen: 25.585 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016352.D
Acq: 25 Aug 2020 14:35

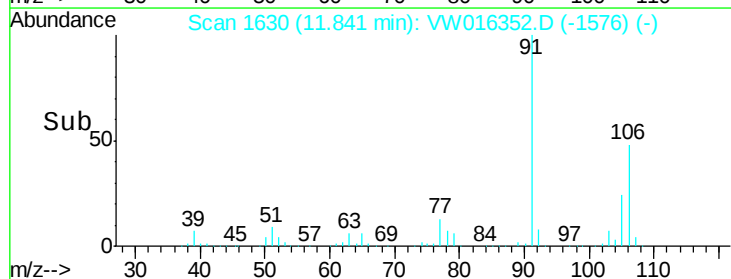
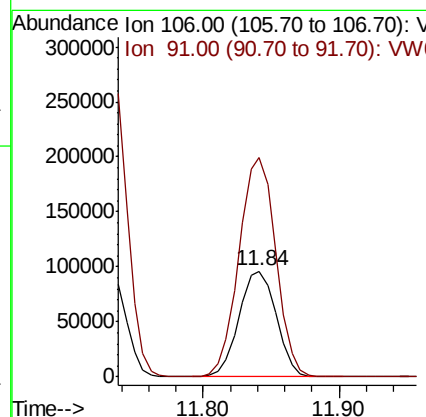
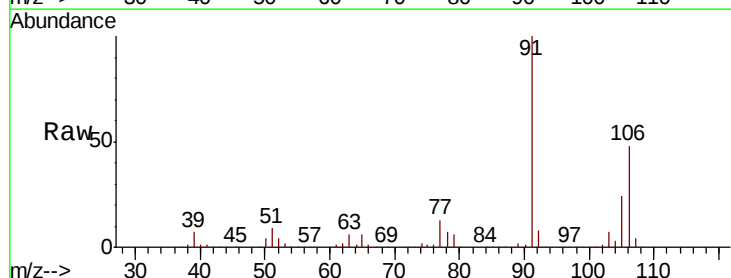
Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

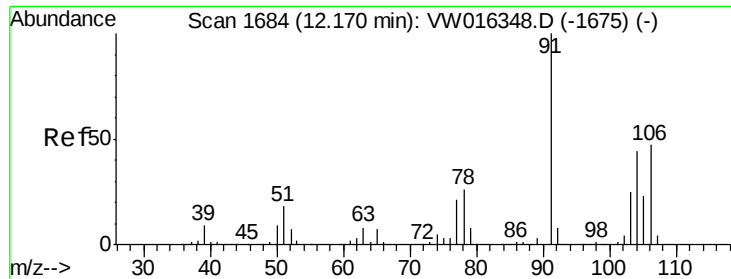
Tot Ion: 91 Resp: 478207
Ion Ratio Lower Upper
91 100
106 31.8 22.0 41.0



#54
m,p-Xylene
Concen: 25.642 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016352.D
Acq: 25 Aug 2020 14:35

Tgt Ion: 106 Resp: 184188
Ion Ratio Lower Upper
106 100
91 207.2 138.8 257.8





#55

o-xylene

Concen: 26.365 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW016352.D

Acq: 25 Aug 2020 14:35

Instrument :

MSVOA_W

ClientSampleId :

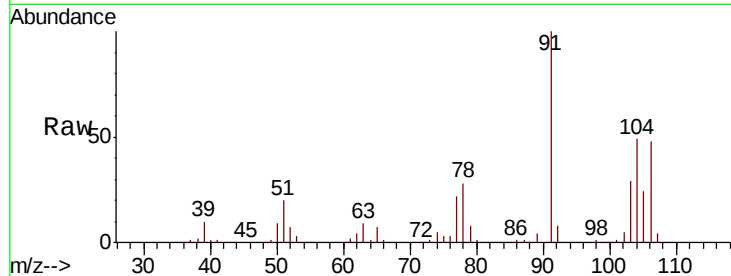
VSTD02526

Tot Ion:106 Resp: 177915

Ion Ratio Lower Upper

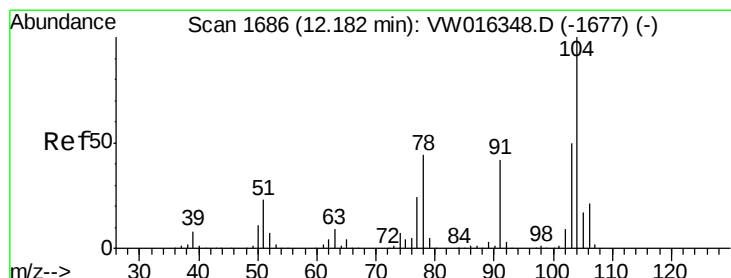
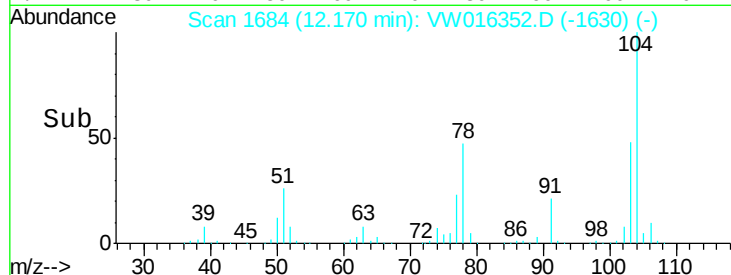
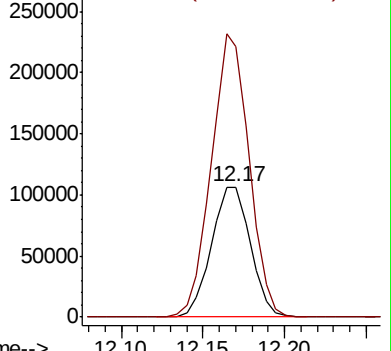
106 100

91 207.9 151.3 281.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.239 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW016352.D

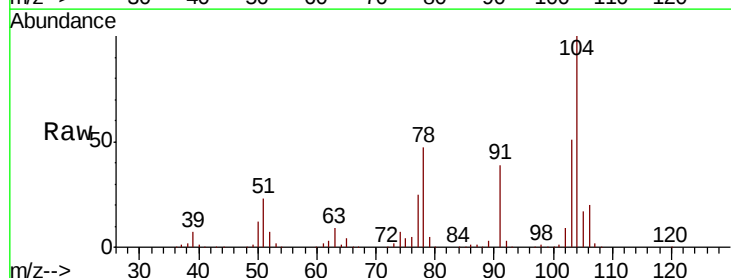
Acq: 25 Aug 2020 14:35

Tgt Ion:104 Resp: 309301

Ion Ratio Lower Upper

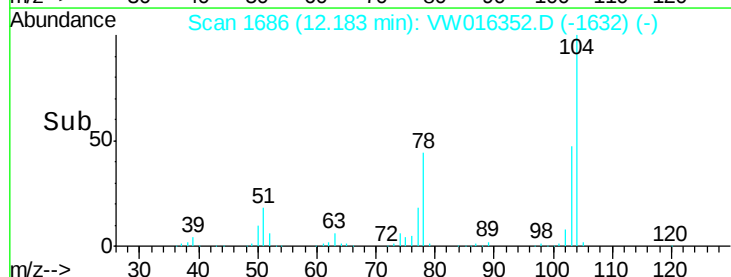
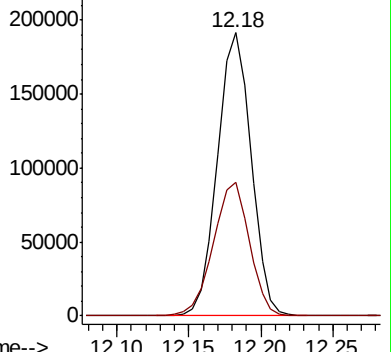
104 100

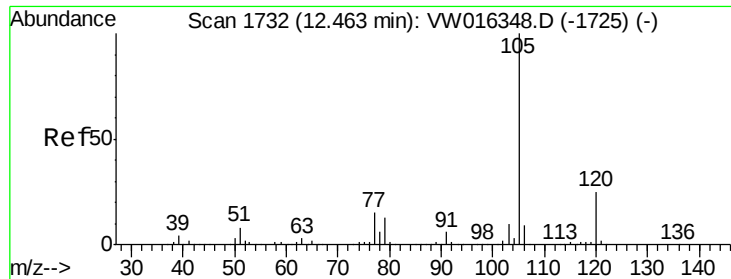
78 47.0 30.9 57.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.354 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW016352.D

Acq: 25 Aug 2020 14:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

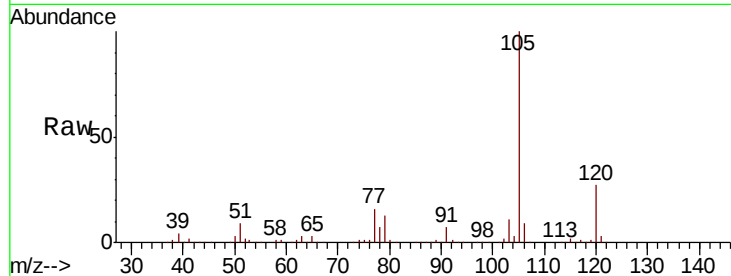
Tot Ion:105 Resp: 476282

Ion Ratio Lower Upper

105 100

120 26.4 21.2 31.8

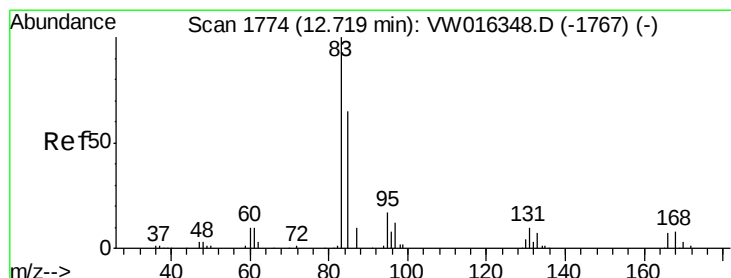
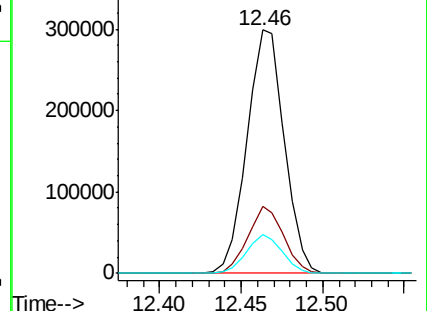
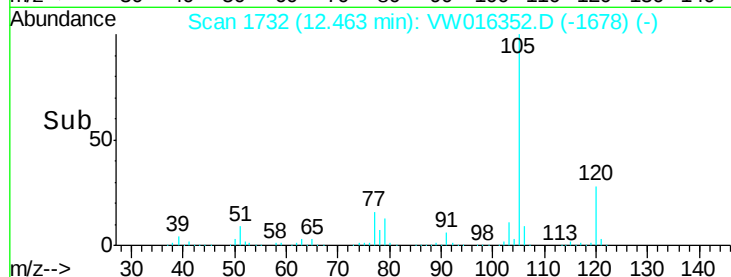
77 15.3 12.2 18.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 29.059 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW016352.D

Acq: 25 Aug 2020 14:35

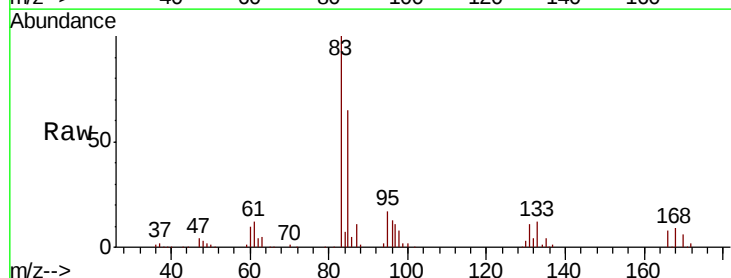
Tgt Ion: 83 Resp: 98263

Ion Ratio Lower Upper

83 100

85 65.0 46.0 85.4

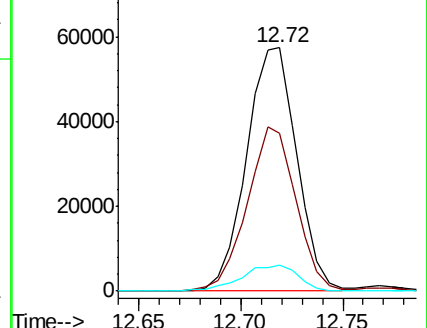
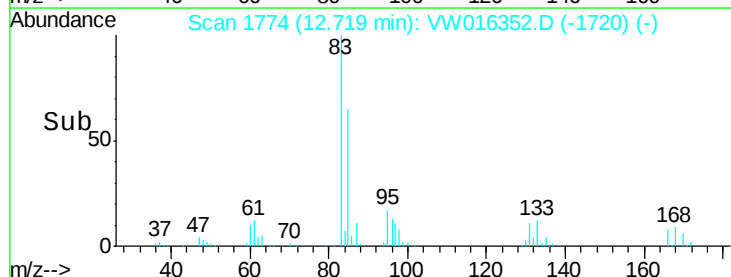
131 10.5 8.8 13.2

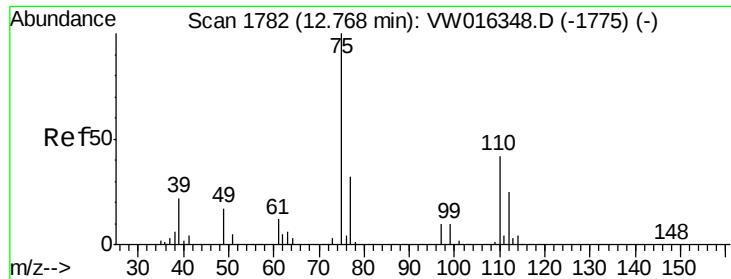


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 29.449 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW016352.D

Acq: 25 Aug 2020 14:35

Instrument :

MSVOA_W

ClientSampleId :

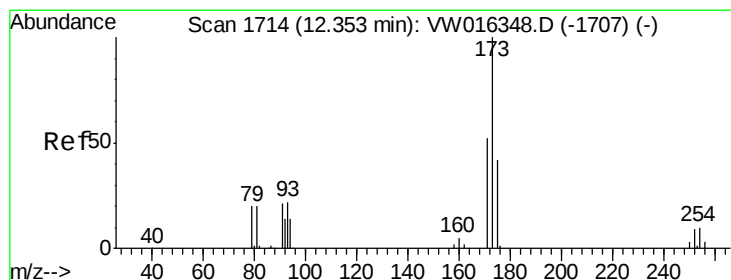
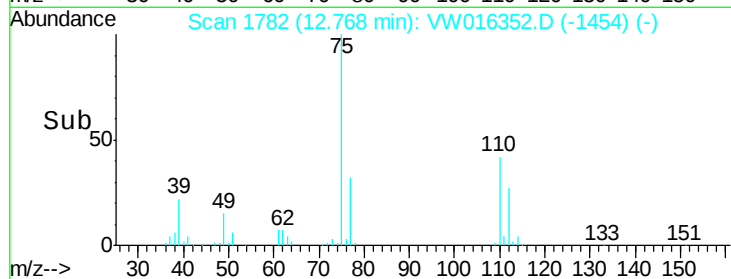
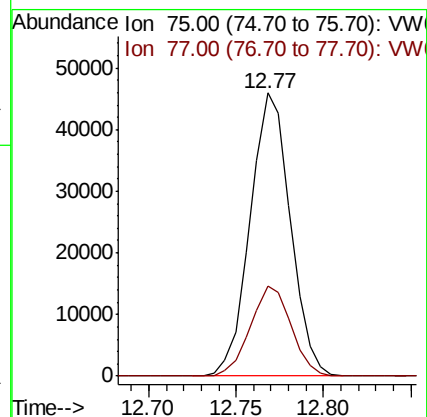
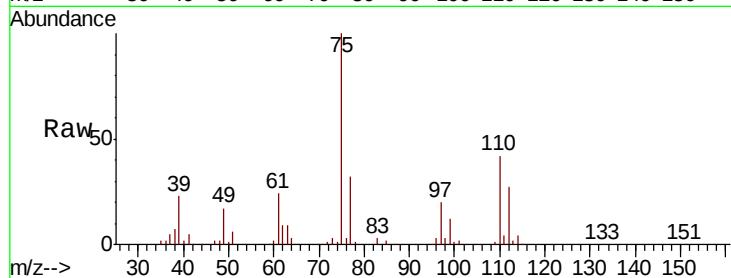
VSTD02526

Tot Ion: 75 Resp: 73751

Ion Ratio Lower Upper

75 100

77 32.2 27.1 40.7



#62

Bromoform

Concen: 27.653 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW016352.D

Acq: 25 Aug 2020 14:35

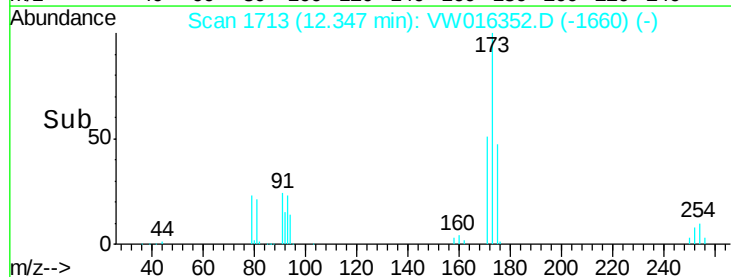
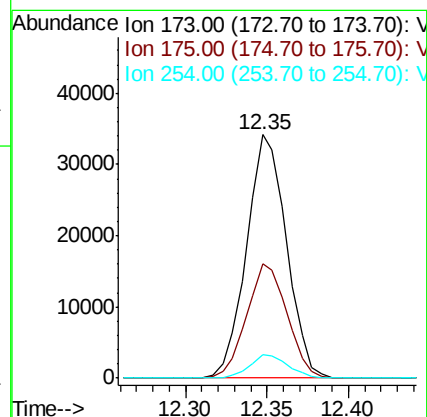
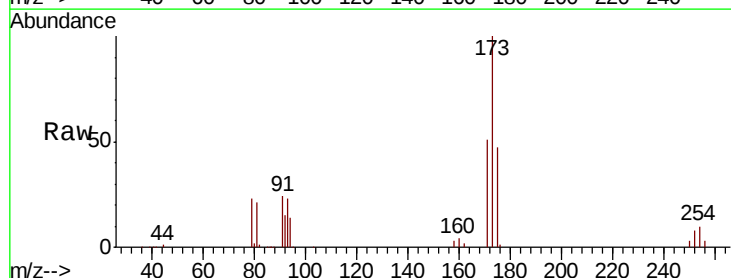
Tgt Ion: 173 Resp: 58283

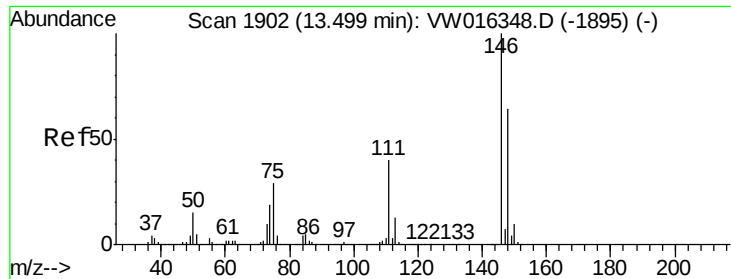
Ion Ratio Lower Upper

173 100

175 47.5 39.0 58.4

254 9.3 6.9 10.3

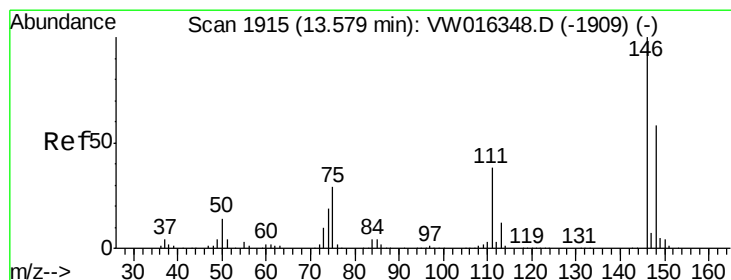
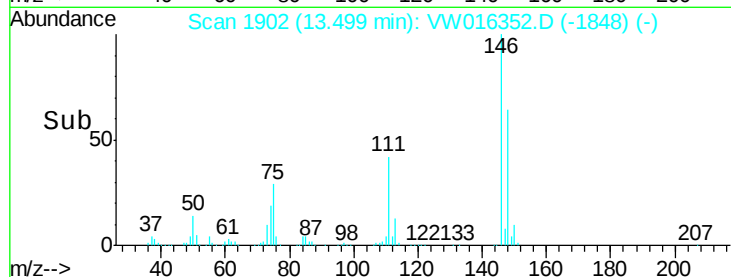
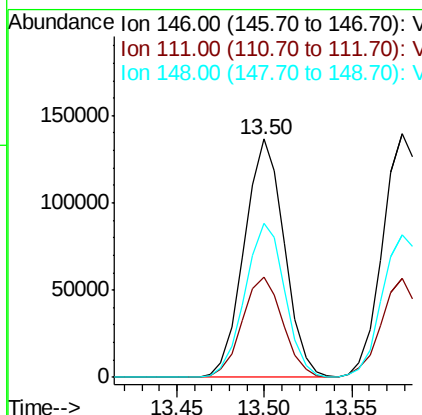
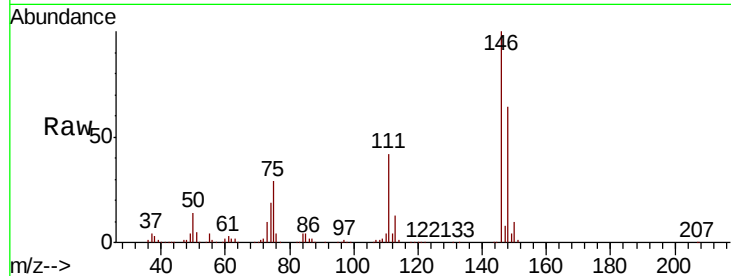




#63
 1,3-Dichlorobenzene
 Concen: 25.009 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016352.D
 Acq: 25 Aug 2020 14:35

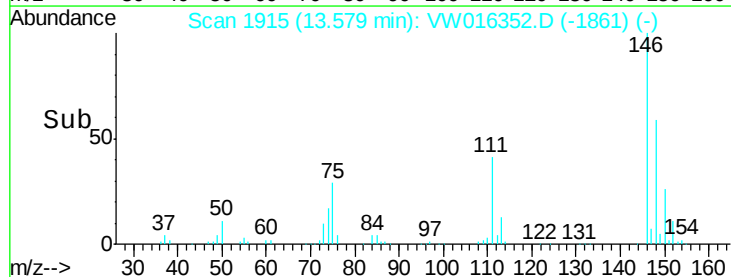
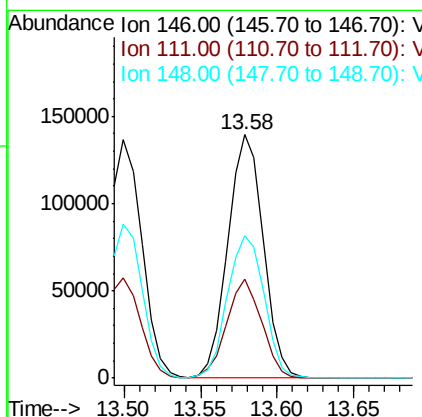
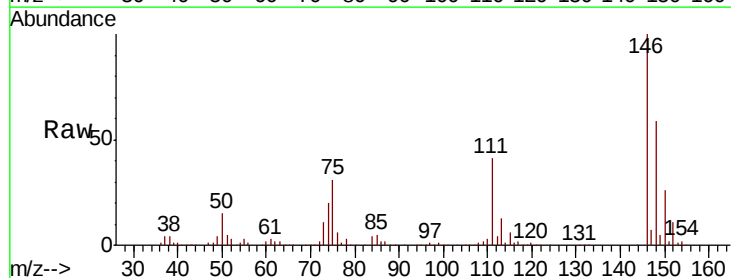
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

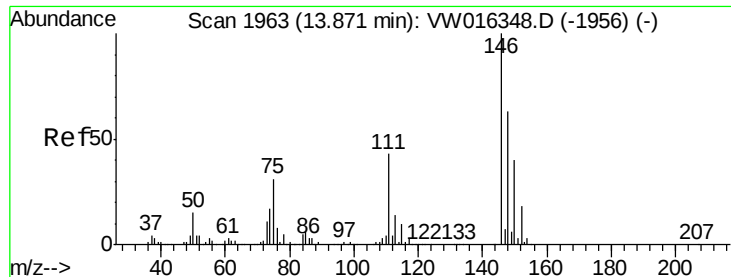
Tot Ion:146 Resp: 218576
 Ion Ratio Lower Upper
 146 100
 111 42.2 30.2 56.2
 148 64.5 45.1 83.7



#64
 1,4-Dichlorobenzene
 Concen: 25.230 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016352.D
 Acq: 25 Aug 2020 14:35

Tgt Ion:146 Resp: 223381
 Ion Ratio Lower Upper
 146 100
 111 40.9 28.0 52.0
 148 58.5 41.4 76.8





#65

1,2-Dichlorobenzene

Concen: 25.754 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW016352.D

Acq: 25 Aug 2020 14:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

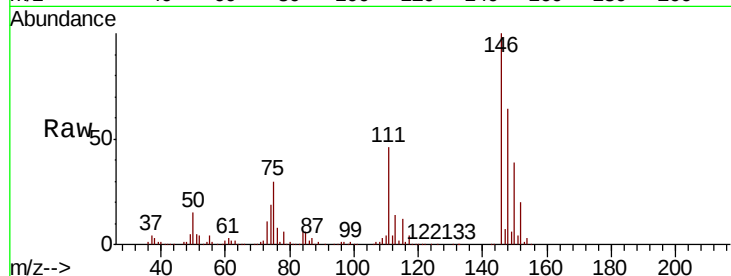
Tot Ion:146 Resp: 200989

Ion Ratio Lower Upper

146 100

111 45.8 36.9 55.3

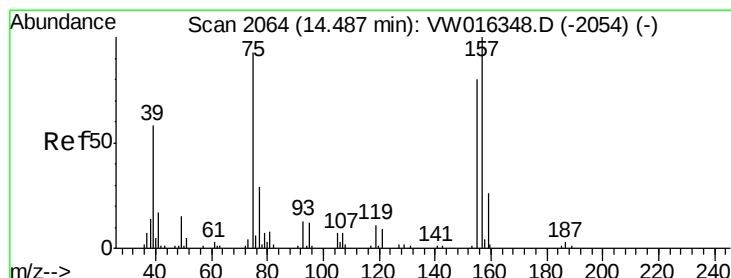
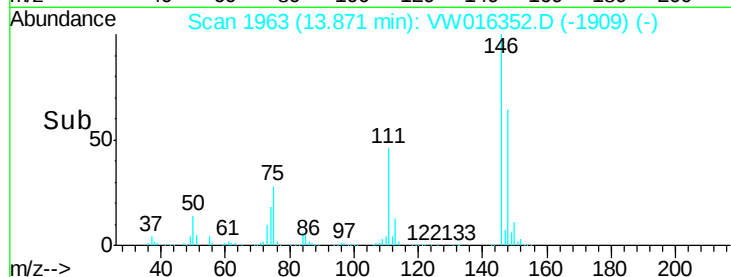
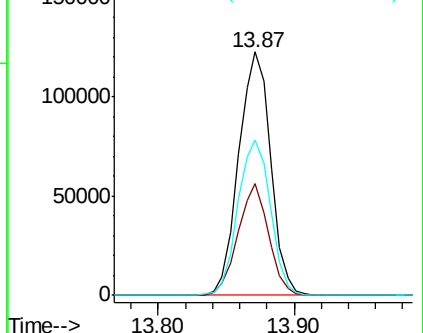
148 63.9 51.4 77.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 29.708 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW016352.D

Acq: 25 Aug 2020 14:35

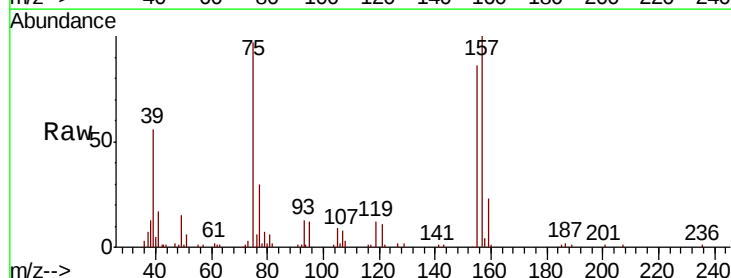
Tgt Ion: 75 Resp: 18225

Ion Ratio Lower Upper

75 100

157 103.5 82.2 123.4

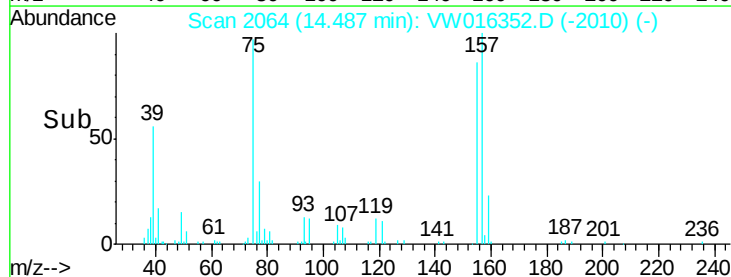
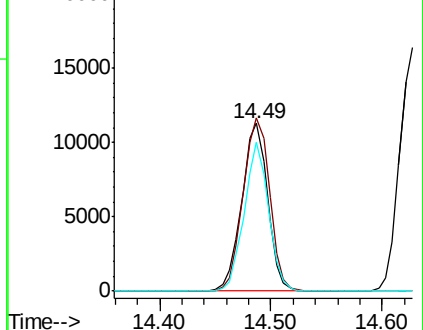
155 89.0 66.8 100.2

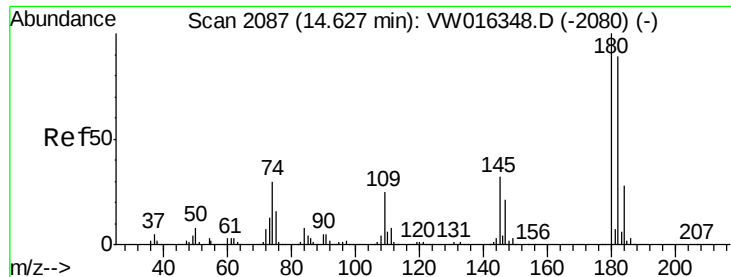


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

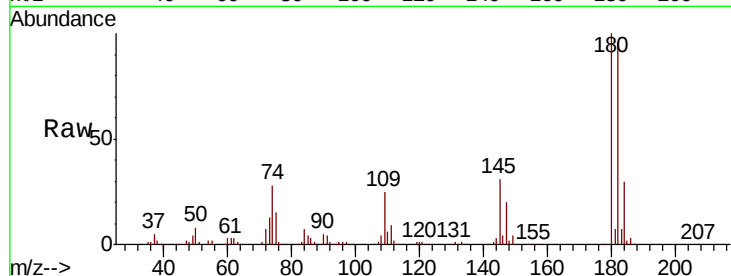




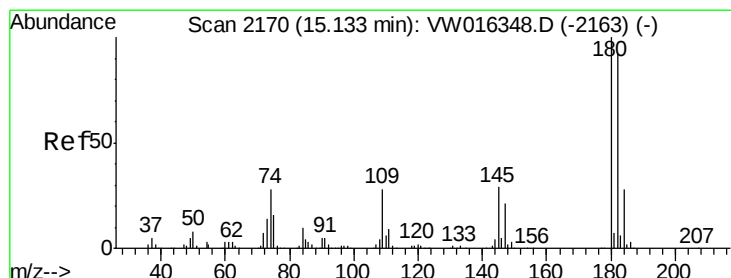
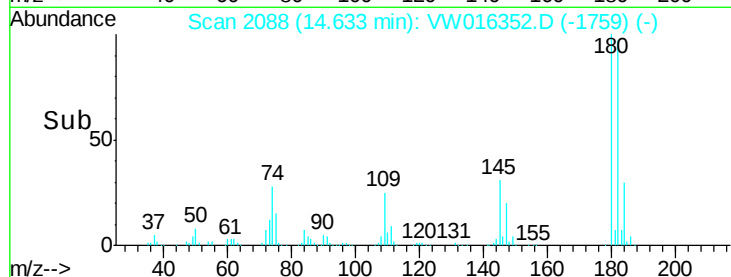
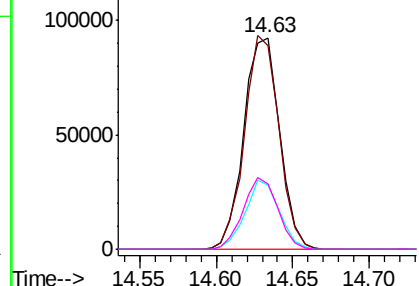
#67
 1,3,5-Trichlorobenzene
 Concen: 24.961 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW016352.D
 Acq: 25 Aug 2020 14:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

Tot Ion:	180	Resp:	150546
Ion	Ratio	Lower	Upper
180	100		
182	97.1	77.4	116.2
184	30.8	24.4	36.6
145	32.7	25.6	38.4

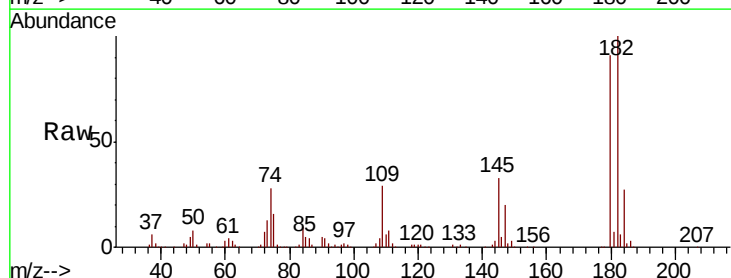


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

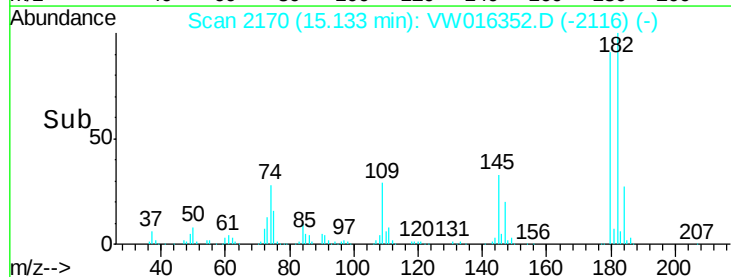
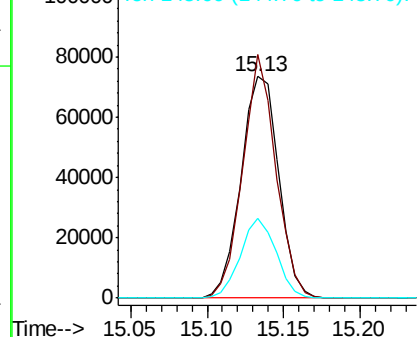


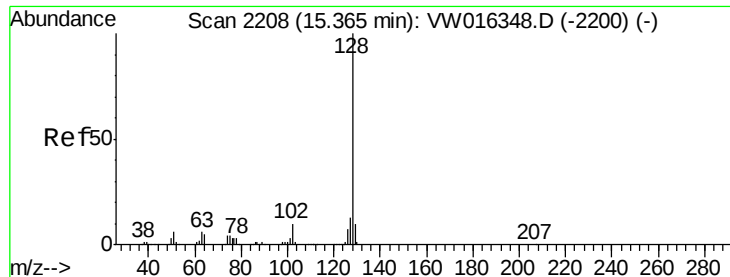
#68
 1,2,4-trichlorobenzene
 Concen: 26.278 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016352.D
 Acq: 25 Aug 2020 14:35

Tgt Ion:	180	Resp:	125802
Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.5	114.7
145	34.0	26.0	39.0



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





#69

Naphthalene

Concen: 31.170 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW016352.D

Acq: 25 Aug 2020 14:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

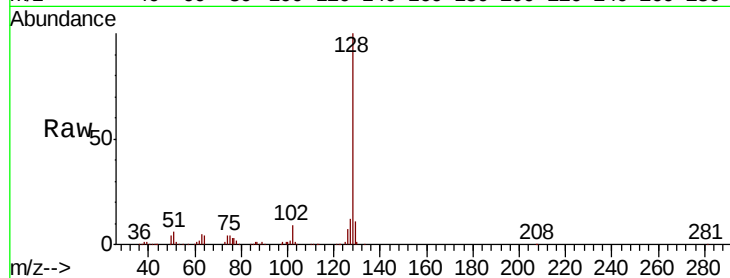
Tot Ion:128 Resp: 293129

Ion Ratio Lower Upper

128 100

129 10.6 8.6 13.0

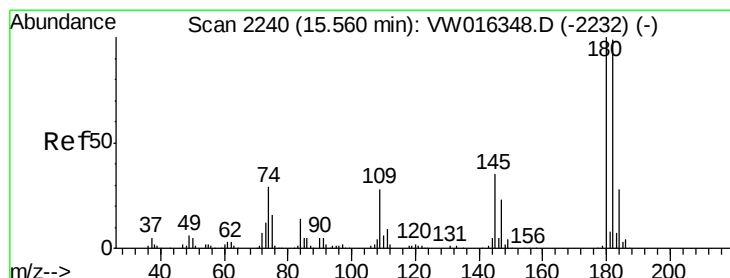
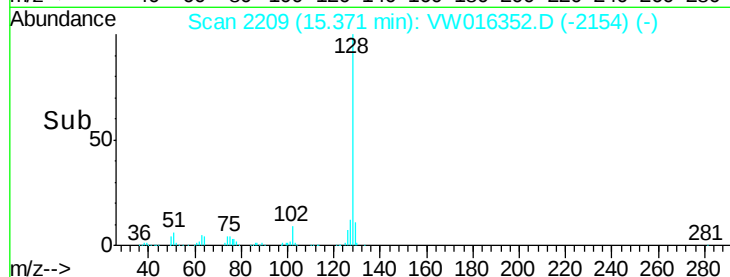
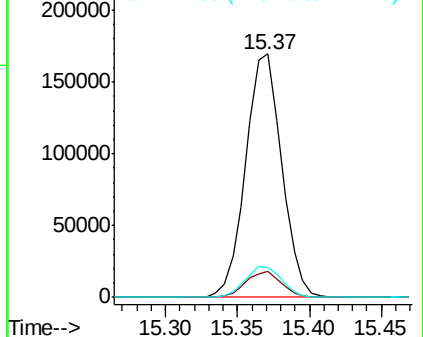
127 12.8 10.3 15.5



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: 28.001 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW016352.D

Acq: 25 Aug 2020 14:35

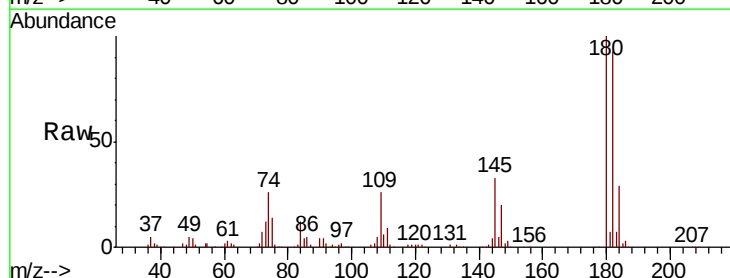
Tgt Ion:180 Resp: 117894

Ion Ratio Lower Upper

180 100

182 94.7 77.0 115.4

145 36.4 28.6 42.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

