

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092420\
 Data File : VW016635.D
 Acq On : 23 Sep 2020 18:23
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

Quant Time: Sep 24 04:43:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 24 04:34:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	567995	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	512914	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	243874	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	98819	17.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.88%
7) Chloroethane-d5	2.90	69	89526	19.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.76%
10) 1,1-Dichloroethene-d2	4.04	63	259617	21.12	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.48%
20) 2-Butanone-d5	7.08	46	57857	38.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.20%
24) Chloroform-d	7.66	84	296956	24.99	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.96%
26) 1,2-Dichloroethane-d4	8.31	65	140869	23.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.40%
29) Benzene-d6	8.28	84	498868	21.69	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.76%
33) 1,2-Dichloropropane-d6	9.27	67	145333	23.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.24%
37) Toluene-d8	10.33	98	461831	20.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.64%
38) trans-1,3-Dichloropropene-	10.58	79	66066	21.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.08%
39) 2-Hexanone-d5	10.93	63	48171	42.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.98%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	116598	21.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.92%
61) 1,2-Dichlorobenzene-d4	13.85	152	188486	24.19	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.03	85	173455	24.720 ug/L	97
3) Chloromethane	2.23	50	129105	25.146 ug/L	99
5) Vinyl chloride	2.37	62	189268	24.981 ug/L	99
6) Bromomethane	2.79	94	138142	24.029 ug/L	100
8) Chloroethane	2.94	64	112406	25.079 ug/L	97
9) Trichlorofluoromethane	3.28	101	182134	23.843 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.08	101	196847	26.899 ug/L	97
12) 1,1-Dichloroethene	4.05	96	188067	26.140 ug/L	97
13) Acetone	4.14	43	43229	36.817 ug/L	99
14) Carbon disulfide	4.40	76	536226	24.705 ug/L	99
15) Methyl Acetate	4.68	43	53170	19.886 ug/L	99
16) Methylene chloride	4.93	84	198097	22.613 ug/L	99
17) Methyl tert-butyl Ether	5.43	73	226482	22.983 ug/L #	89
18) trans-1,2-Dichloroethene	5.43	96	198027	26.579 ug/L	98
19) 1,1-Dichloroethane	6.23	63	311062	26.401 ug/L	97
21) 2-Butanone	7.18	43	68852	34.468 ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	207629	26.858 ug/L	97

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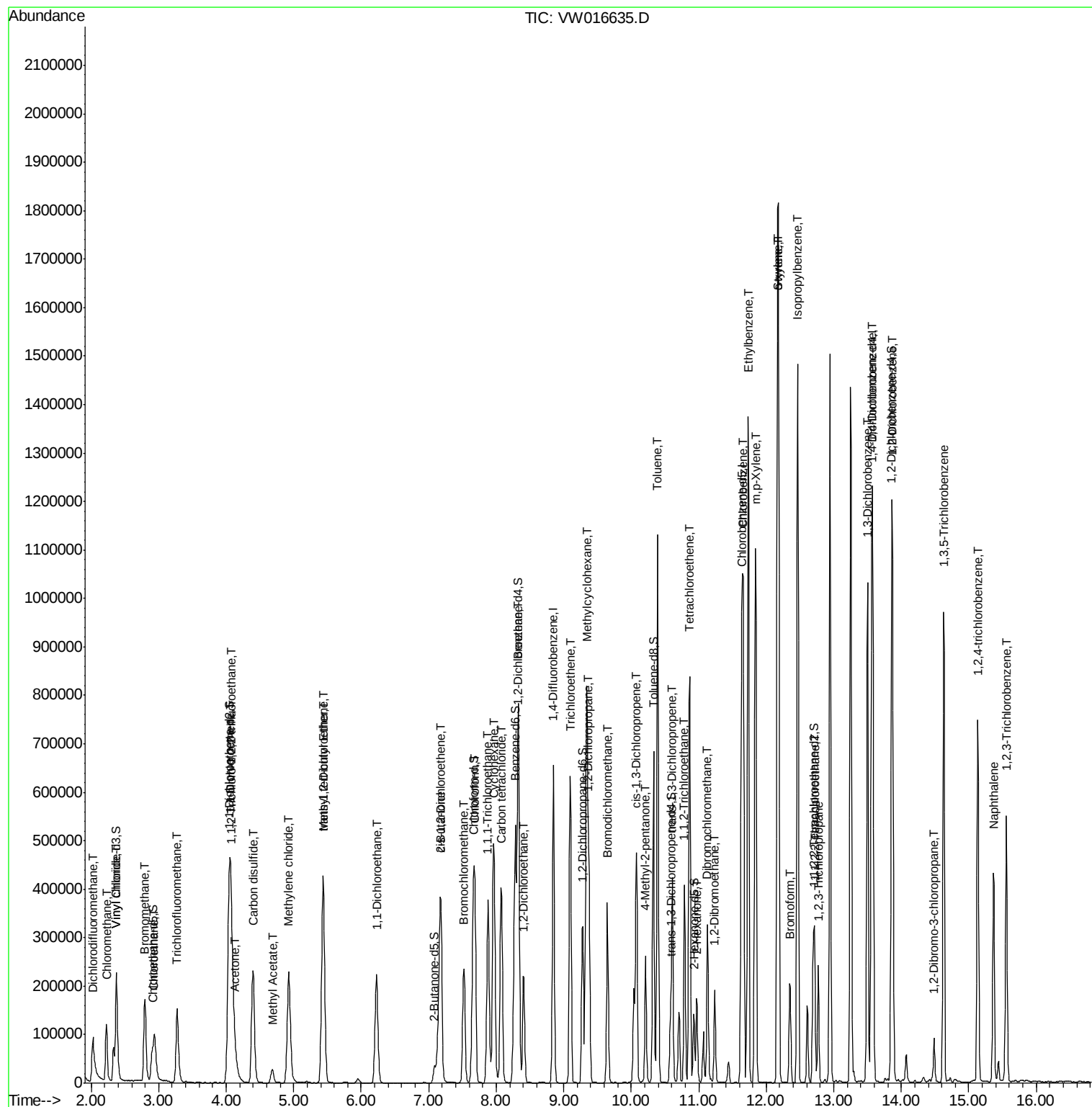
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	95306	25.359	ug/L	97
25) Chloroform	7.68	83	344479	26.816	ug/L	99
27) 1,2-Dichloroethane	8.40	62	206398	25.041	ug/L	99
30) Cyclohexane	7.96	56	283227	25.269	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	313581	26.177	ug/L	100
32) Carbon tetrachloride	8.07	117	312166	26.823	ug/L	99
34) Benzene	8.33	78	718844	26.148	ug/L	100
35) Trichloroethene	9.10	95	211350	26.572	ug/L	99
36) Methylcyclohexane	9.34	83	349902	25.935	ug/L	99
40) 1,2-Dichloropropane	9.37	63	162614	25.432	ug/L	100
41) Bromodichloromethane	9.65	83	242462	25.589	ug/L	95
42) cis-1,3-Dichloropropene	10.08	75	271870	24.893	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	156664	38.565	ug/L	98
44) Toluene	10.39	91	835715	27.034	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	229401	24.141	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	127139	23.603	ug/L	99
47) Tetrachloroethene	10.87	164	194433	27.071	ug/L	96
49) 2-Hexanone	10.97	43	106325	41.240	ug/L	100
50) Dibromochloromethane	11.13	129	172989	24.598	ug/L	93
51) 1,2-Dibromoethane	11.24	107	125122	23.200	ug/L #	96
52) Chlorobenzene	11.66	112	548273	26.404	ug/L	99
53) Ethylbenzene	11.73	91	944060	26.899	ug/L	98
54) m,p-Xylene	11.84	106	368812	26.837	ug/L	97
55) o-xylene	12.16	106	343083	26.058	ug/L	94
56) Styrene	12.18	104	577894	26.433	ug/L	97
57) Isopropylbenzene	12.46	105	971463	27.003	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	130175	21.611	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	94823	21.135	ug/L	99
62) Bromoform	12.35	173	97103	23.607	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	429008	27.046	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	416402	26.805	ug/L	92
65) 1,2-Dichlorobenzene	13.87	146	372298	26.267	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	21024	20.693	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	321116	27.680	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	247453	26.368	ug/L	99
69) Naphthalene	15.36	128	380257	22.857	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	202034	25.031	ug/L	96

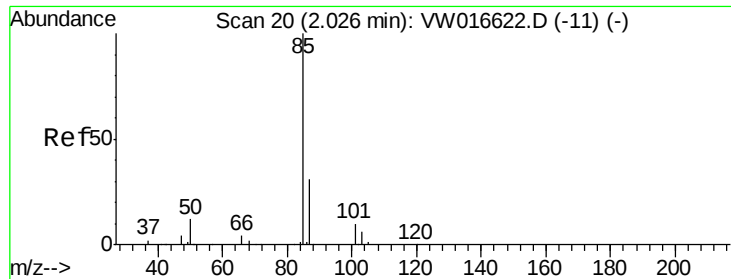
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#2

Dichlorodifluoromethane

Concen: 24.720 ug/L

RT: 2.03 min Scan# 20

Delta R.T. 0.00 min

Lab File: VW016635.D

Acq: 23 Sep 2020 18:23

Instrument :

MSVOA_W

ClientSampleId :

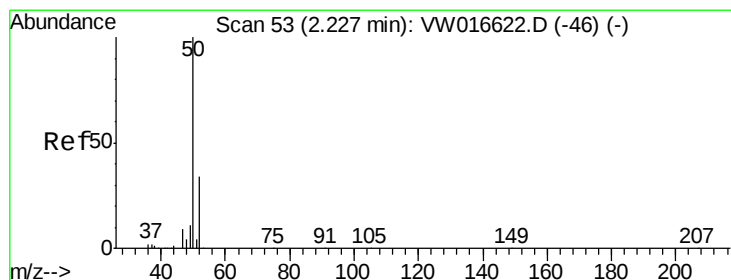
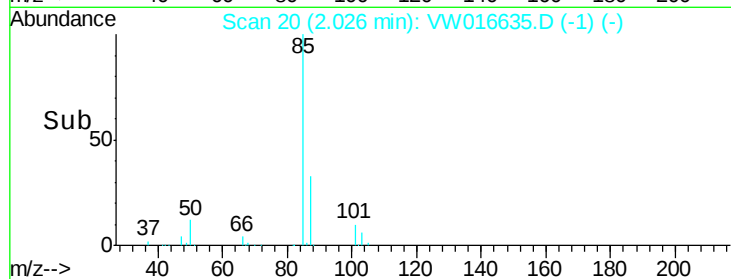
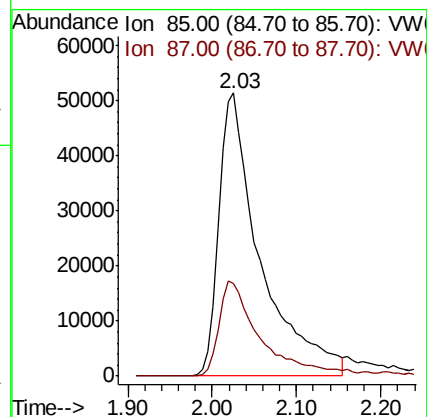
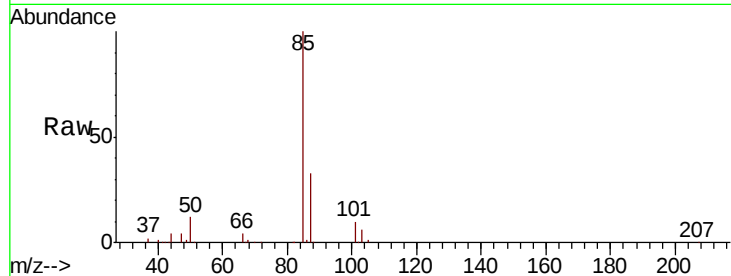
VSTD02529

Tot Ion: 85 Resp: 173455

Ion Ratio Lower Upper

85 100

87 33.1 22.2 41.2



#3

Chloromethane

Concen: 25.146 ug/L

RT: 2.23 min Scan# 53

Delta R.T. 0.00 min

Lab File: VW016635.D

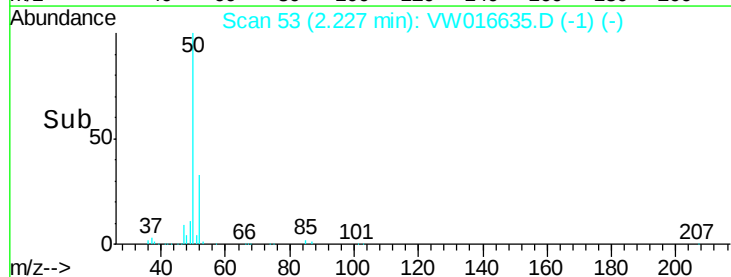
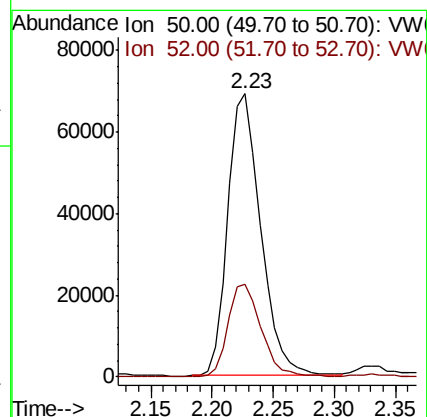
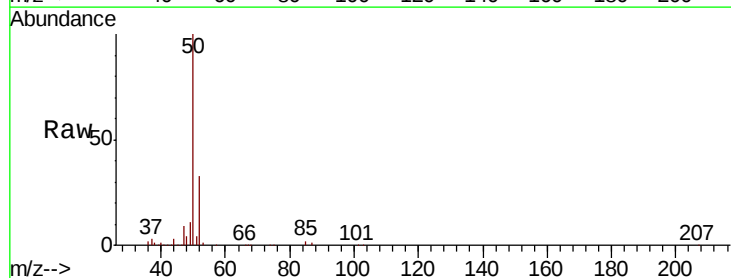
Acq: 23 Sep 2020 18:23

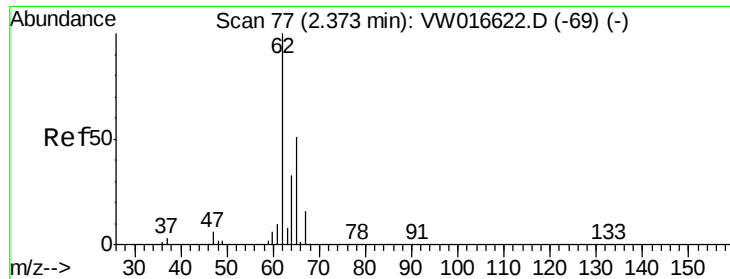
Tgt Ion: 50 Resp: 129105

Ion Ratio Lower Upper

50 100

52 32.6 22.4 41.6





#5

Vinyl chloride

Concen: 24.981 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW016635.D

Acq: 23 Sep 2020 18:23

Instrument :

MSVOA_W

ClientSampleId :

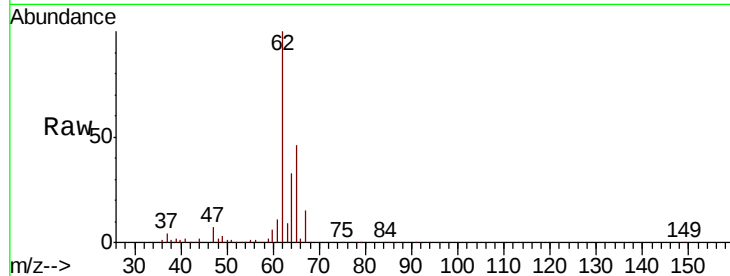
VSTD02529

Tot Ion: 62 Resp: 189268

Ion Ratio Lower Upper

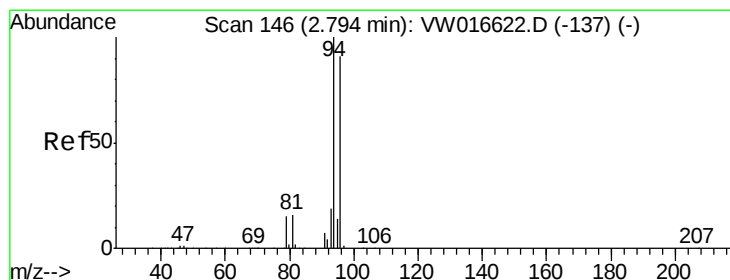
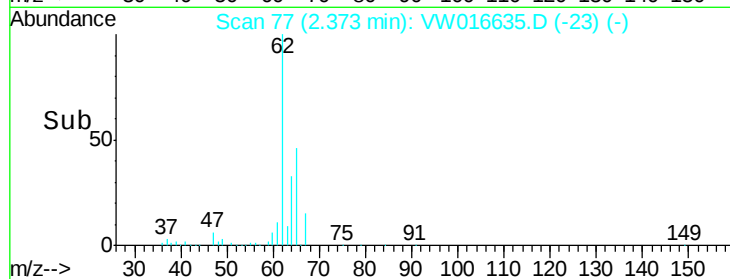
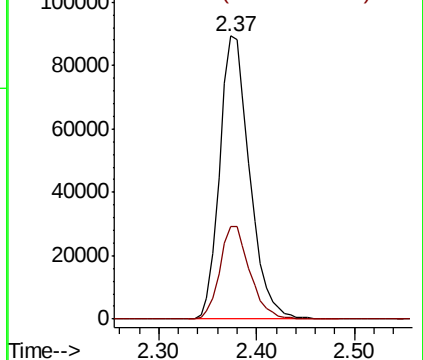
62 100

64 32.8 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 24.029 ug/L

RT: 2.79 min Scan# 146

Delta R.T. 0.00 min

Lab File: VW016635.D

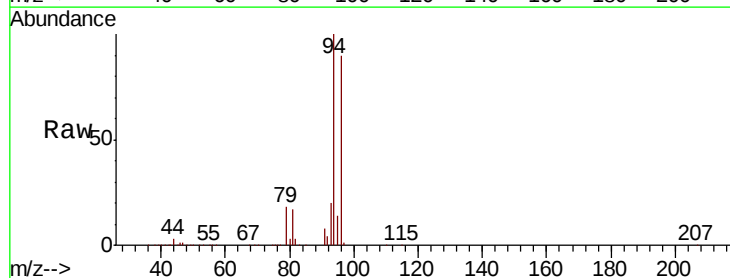
Acq: 23 Sep 2020 18:23

Tgt Ion: 94 Resp: 138142

Ion Ratio Lower Upper

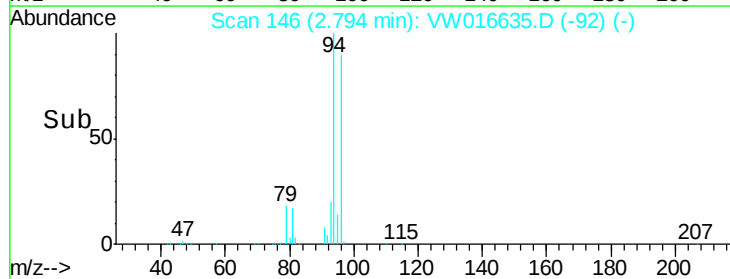
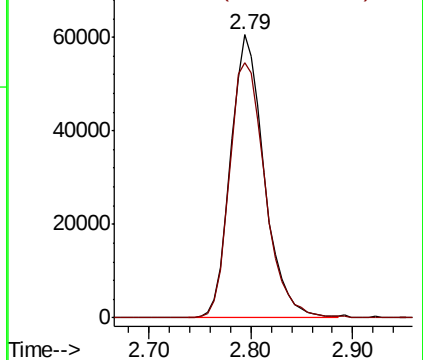
94 100

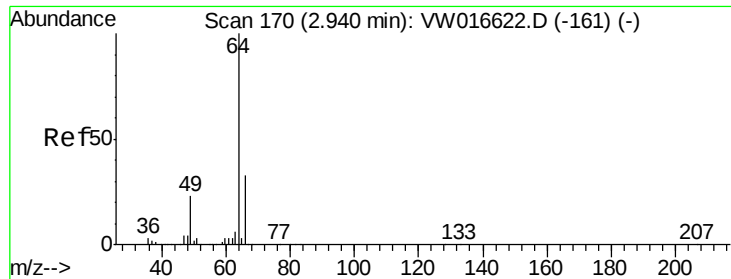
96 95.8 9.6 181.6



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW

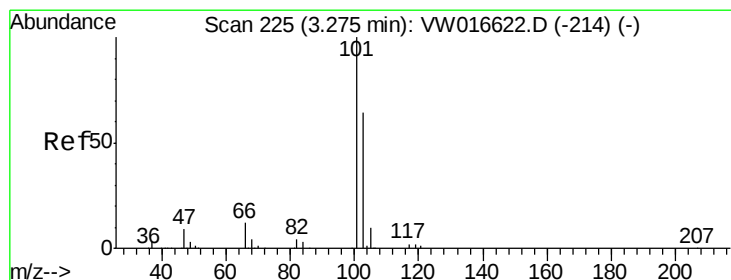
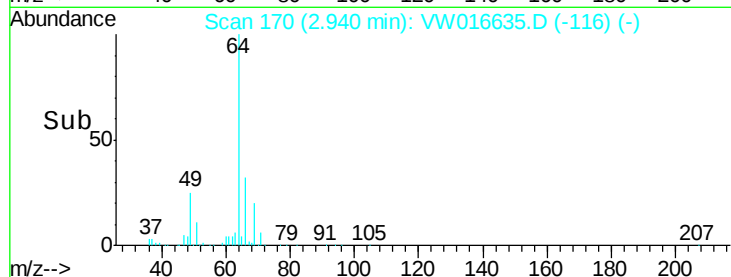
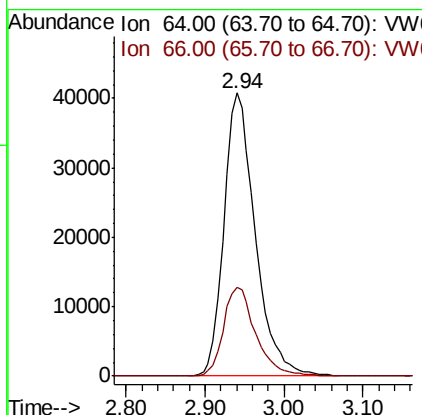
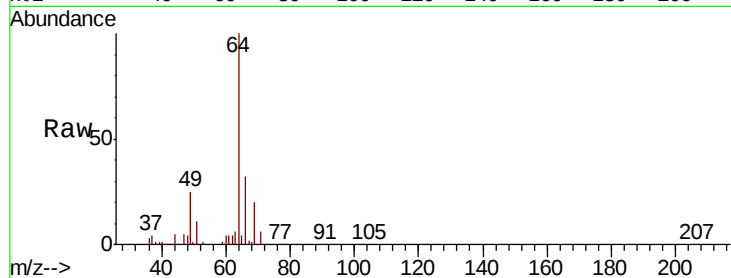




#8
Chloroethane
Concen: 25.079 ug/L
RT: 2.94 min Scan# 170
Delta R.T. 0.00 min
Lab File: VW016635.D
Acq: 23 Sep 2020 18:23

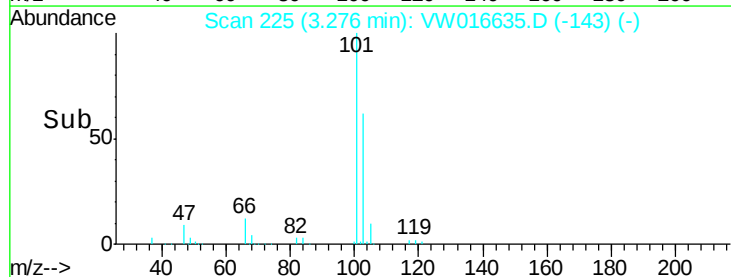
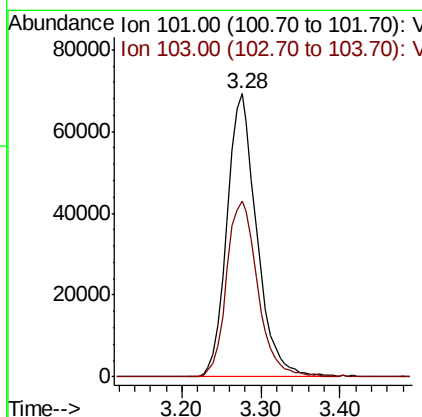
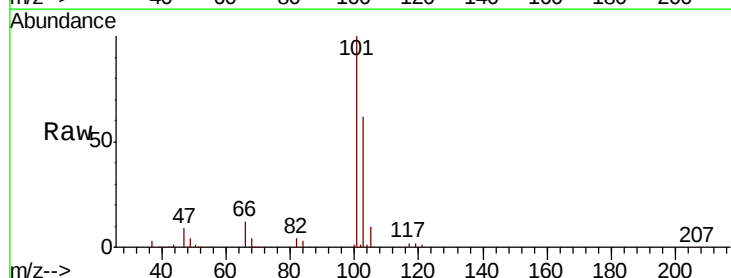
Instrument :
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ClientSampleId :
VSTD02529

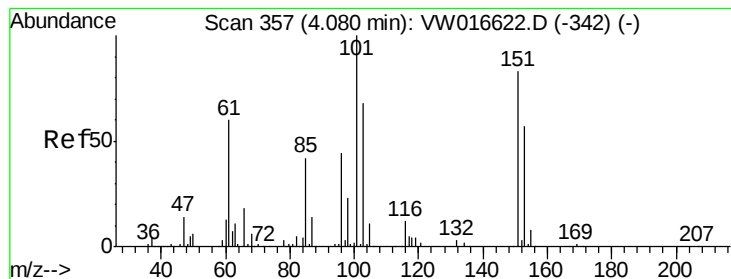
Tot Ion: 64 Resp: 112406
Ion Ratio Lower Upper
64 100
66 31.6 23.2 43.2



#9
Trichlorofluoromethane
Concen: 23.843 ug/L
RT: 3.28 min Scan# 225
Delta R.T. 0.00 min
Lab File: VW016635.D
Acq: 23 Sep 2020 18:23

Tgt Ion: 101 Resp: 182134
Ion Ratio Lower Upper
101 100
103 64.6 45.2 84.0





#11

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

Concen: 26.899 ug/L

RT: 4.08 min Scan# 357

Delta R.T. 0.00 min

Lab File: VW016635.D

Acq: 23 Sep 2020 18:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

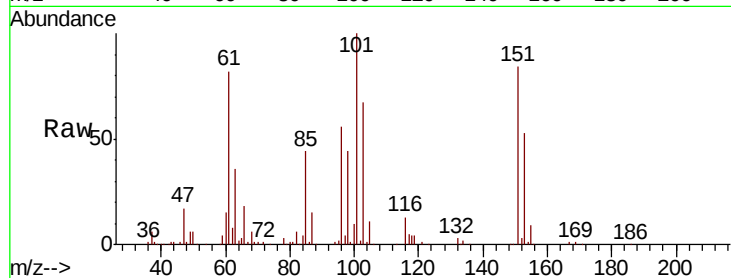
Tot Ion:101 Resp: 196847

Ion Ratio Lower Upper

101 100

85 43.2 32.6 49.0

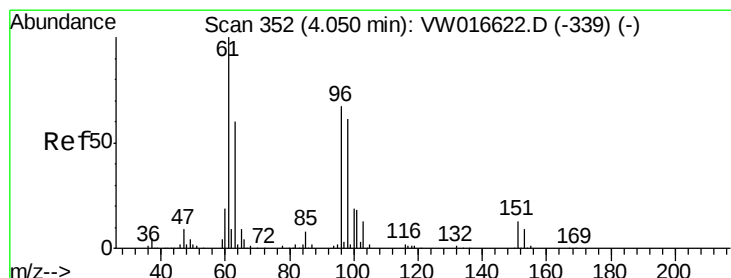
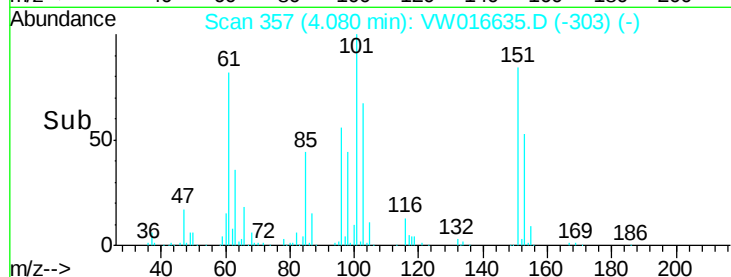
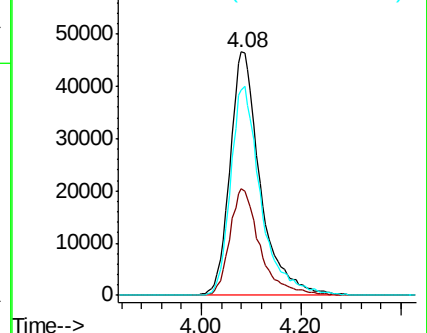
151 84.5 66.0 99.0



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: 26.140 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.00 min

Lab File: VW016635.D

Acq: 23 Sep 2020 18:23

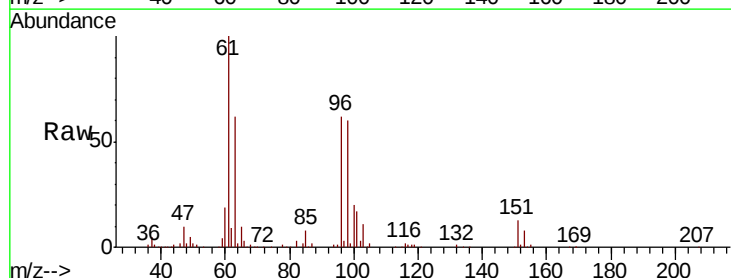
Tgt Ion: 96 Resp: 188067

Ion Ratio Lower Upper

96 100

61 160.2 111.4 206.8

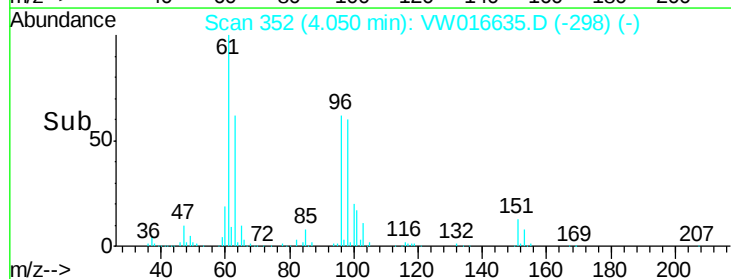
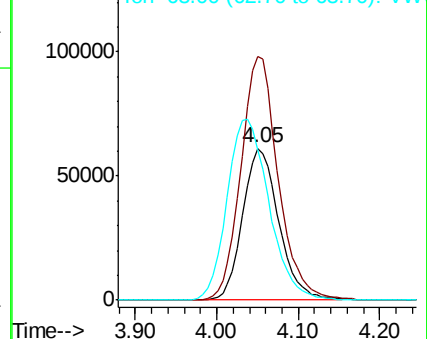
63 99.1 73.0 135.6

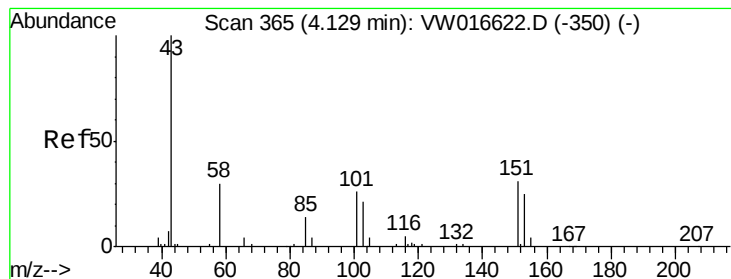


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 36.817 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW016635.D

Acq: 23 Sep 2020 18:23

Instrument :

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ClientSampleId :

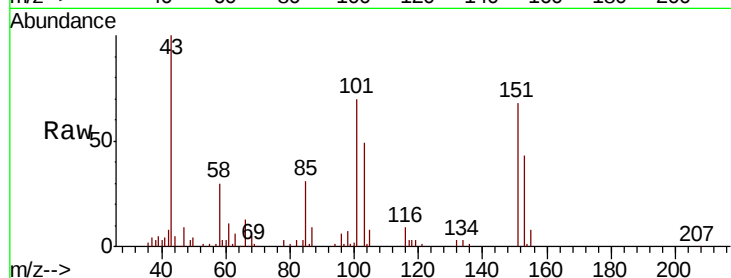
VSTD02529

Tot Ion: 43 Resp: 43229

Ion Ratio Lower Upper

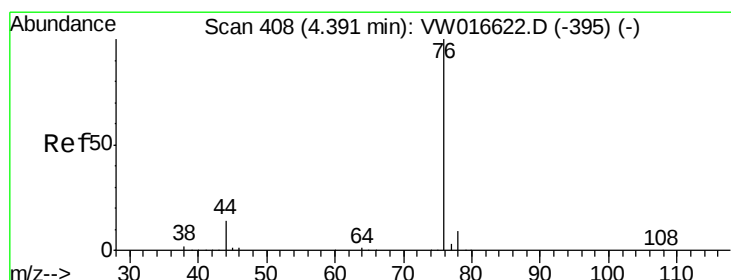
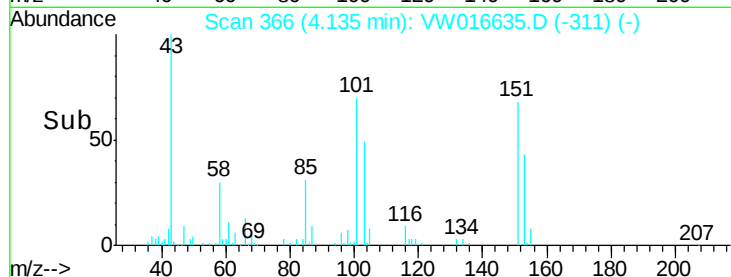
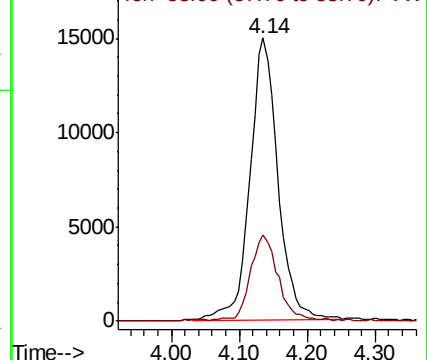
43 100

58 29.5 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 24.705 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.01 min

Lab File: VW016635.D

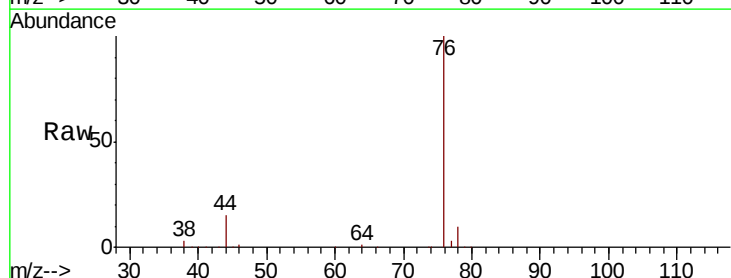
Acq: 23 Sep 2020 18:23

Tgt Ion: 76 Resp: 536226

Ion Ratio Lower Upper

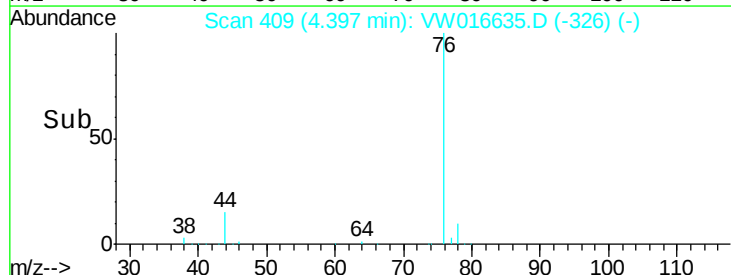
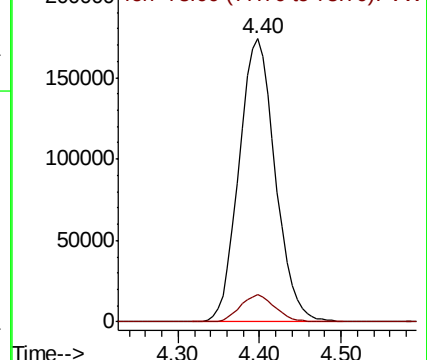
76 100

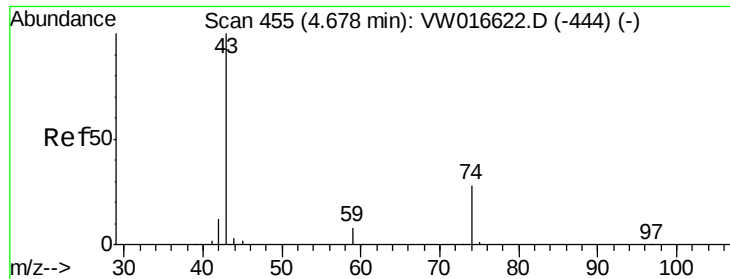
78 9.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

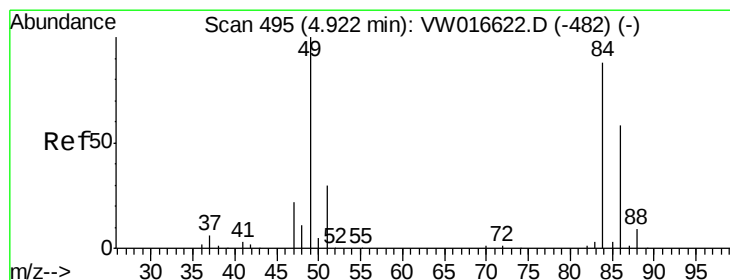
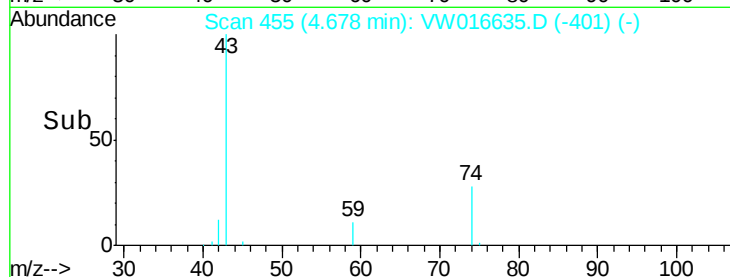
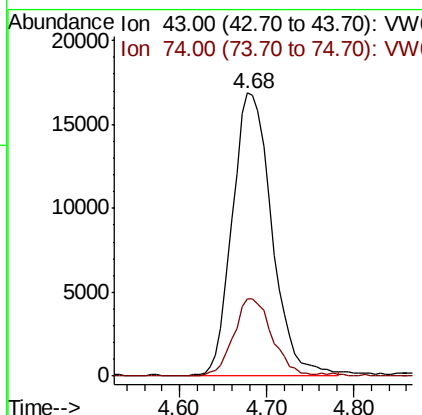
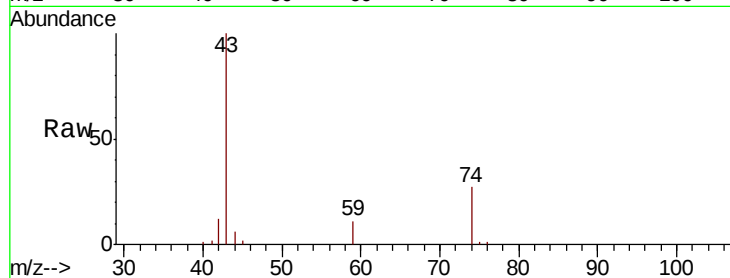




#15
Methvl Acetate
Concen: 19.886 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW016635.D
Acq: 23 Sep 2020 18:23

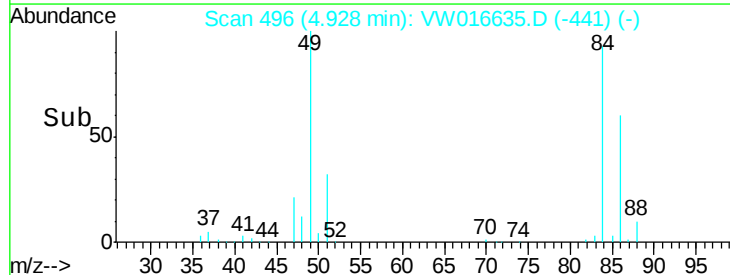
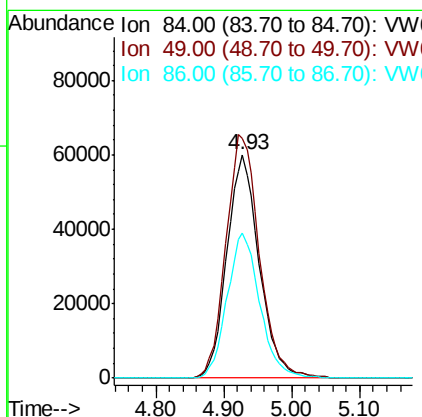
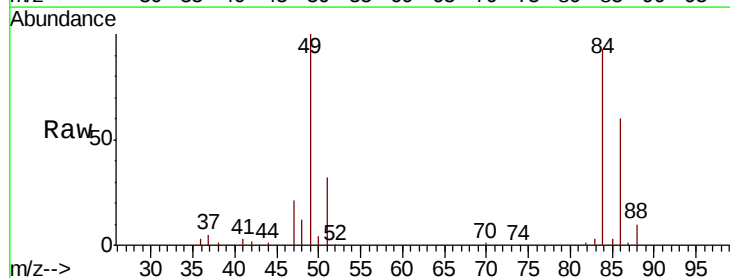
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

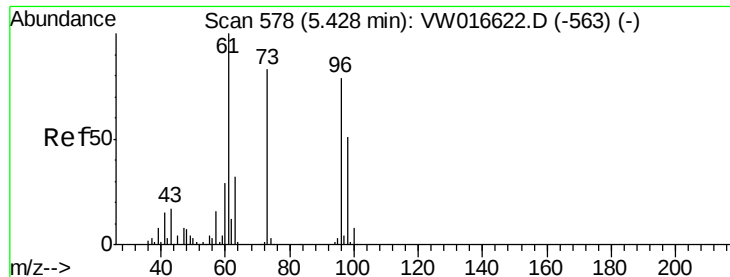
Tot Ion: 43 Resp: 53170
Ion Ratio Lower Upper
43 100
74 26.4 21.5 32.3



#16
Methylene chloride
Concen: 22.613 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW016635.D
Acq: 23 Sep 2020 18:23

Tgt Ion: 84 Resp: 198097
Ion Ratio Lower Upper
84 100
49 107.5 76.0 141.2
86 65.0 45.6 84.6

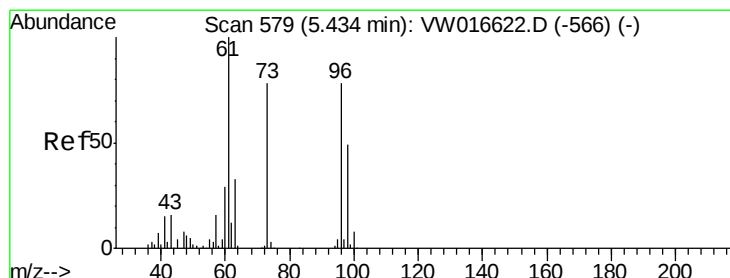
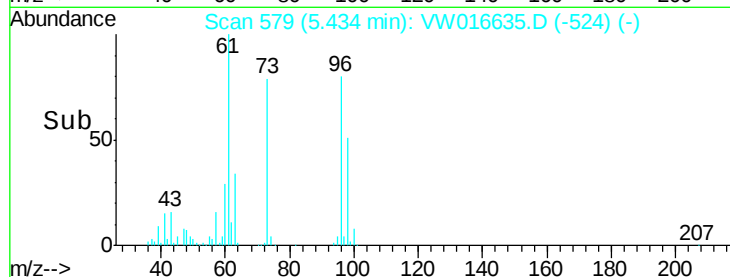
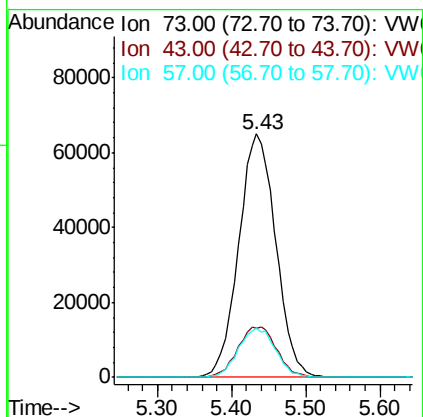
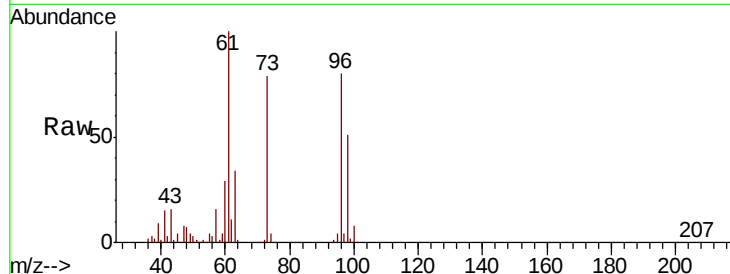




#17
Methvl tert-butvl Ether
Concen: 22.983 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW016635.D
Acq: 23 Sep 2020 18:23

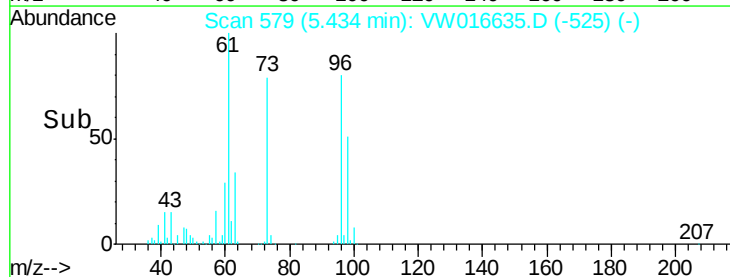
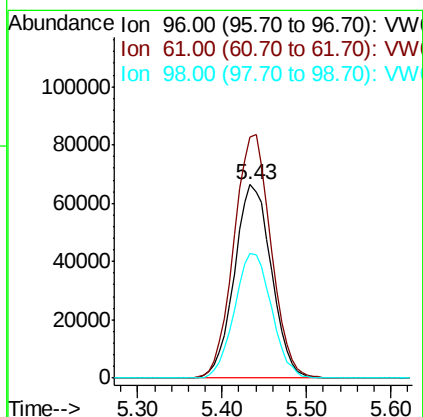
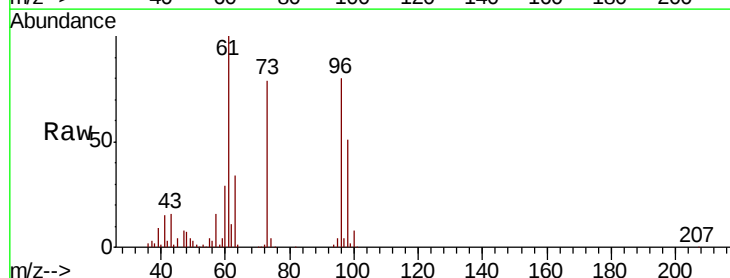
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

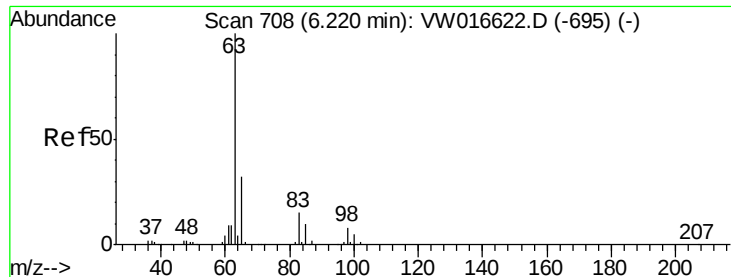
Tot Ion: 73 Resp: 226482
Ion Ratio Lower Upper
73 100
43 11.6 17.2 25.8#
57 20.4 16.3 24.5



#18
trans-1,2-Dichloroethene
Concen: 26.579 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW016635.D
Acq: 23 Sep 2020 18:23

Tgt Ion: 96 Resp: 198027
Ion Ratio Lower Upper
96 100
61 124.9 88.4 164.2
98 64.2 43.0 80.0

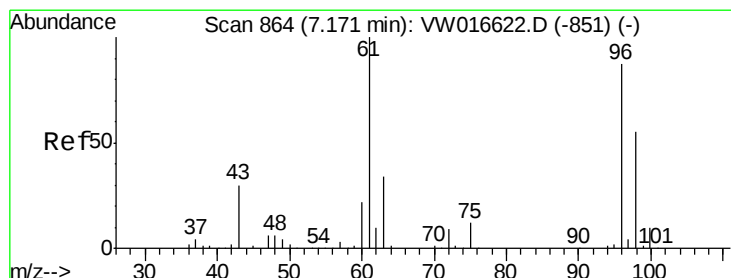
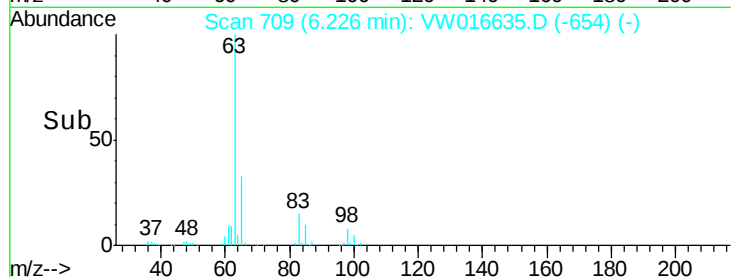
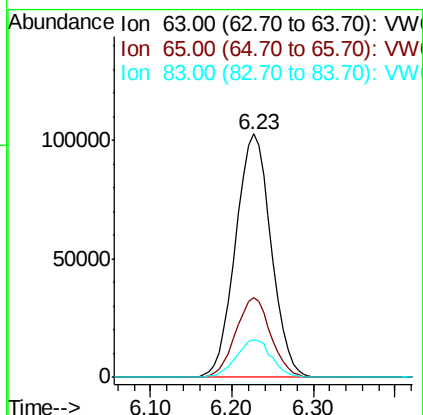
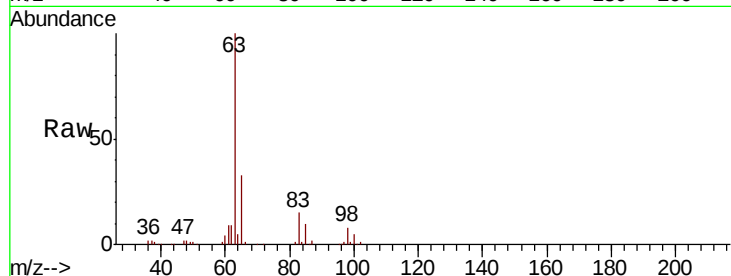




#19
 1,1-Dichloroethane
 Concen: 26.401 ug/L
 RT: 6.23 min Scan# 709
 Delta R.T. 0.01 min
 Lab File: VW016635.D
 Acq: 23 Sep 2020 18:23

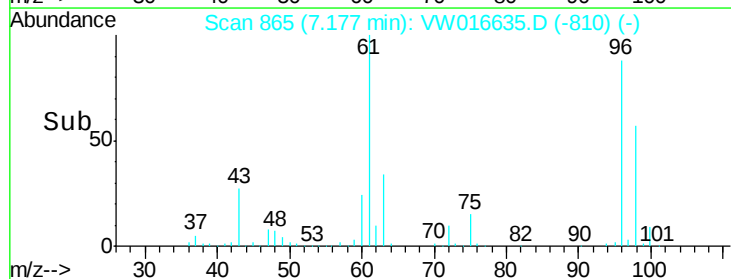
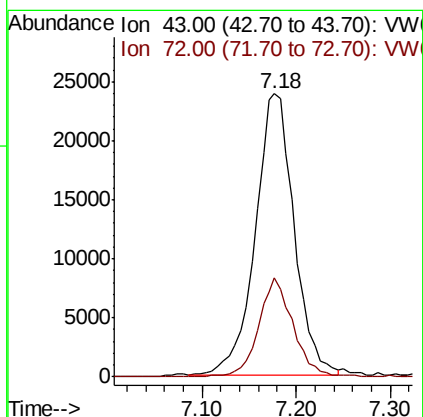
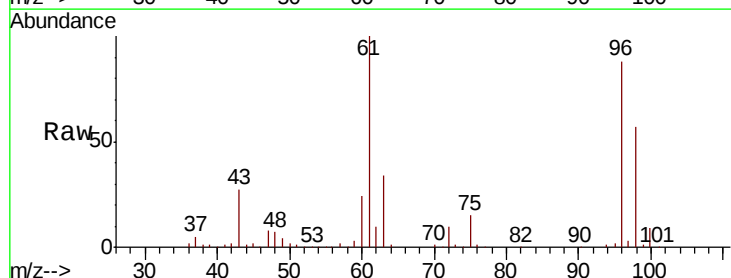
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

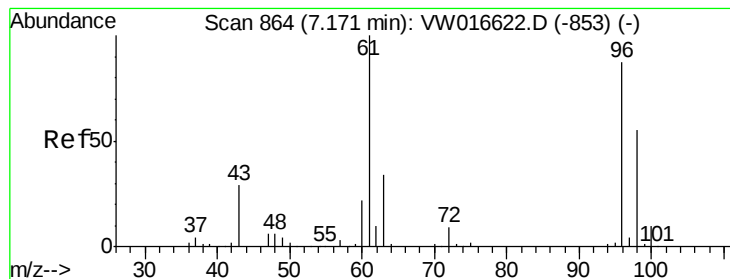
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.7	21.6	40.0
83	15.5	10.4	19.2



#21
 2-Butanone
 Concen: 34.468 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW016635.D
 Acq: 23 Sep 2020 18:23

Tgt Ion	Ratio	Lower	Upper
43	100		
72	30.9	14.6	43.8



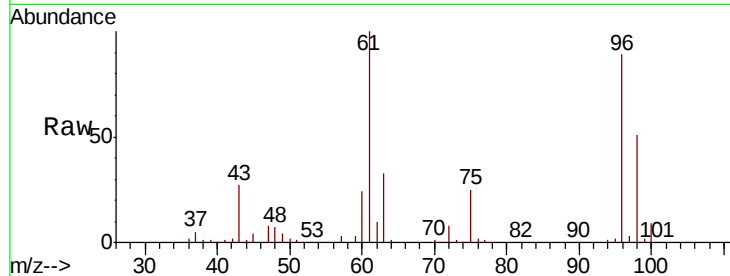


#22

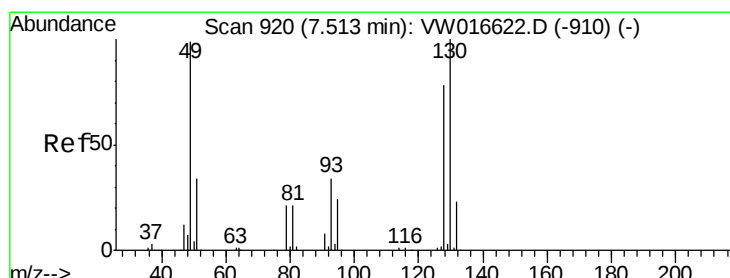
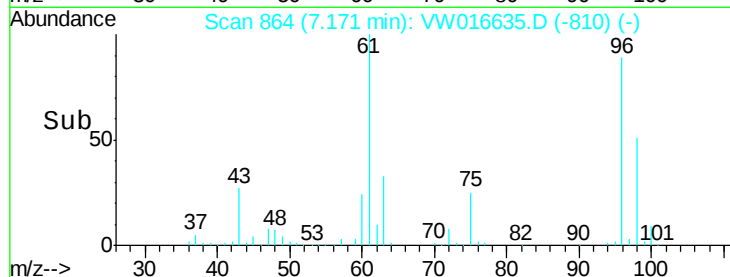
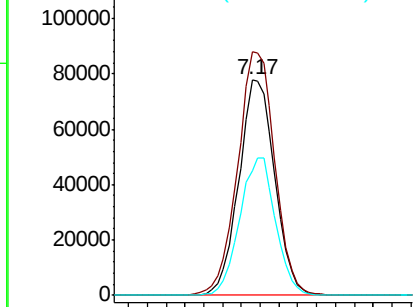
cis-1,2-Dichloroethene
 Concen: 26.858 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW016635.D
 Acq: 23 Sep 2020 18:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

Tot Ion: 96 Resp: 207629
 Ion Ratio Lower Upper
 96 100
 61 113.0 78.4 145.6
 98 58.0 44.8 83.2



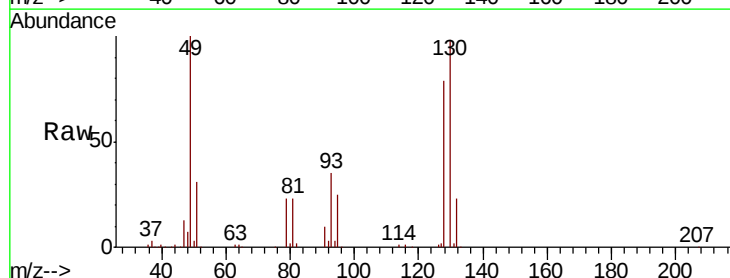
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



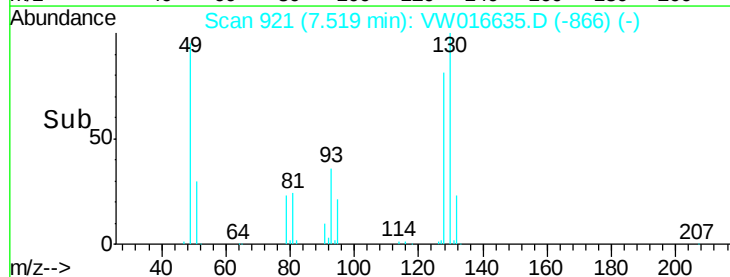
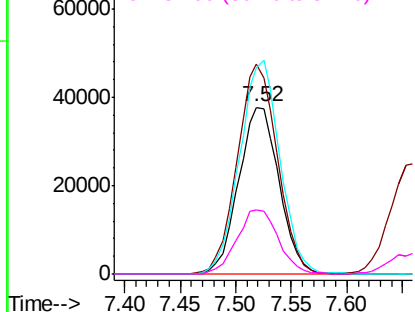
#23

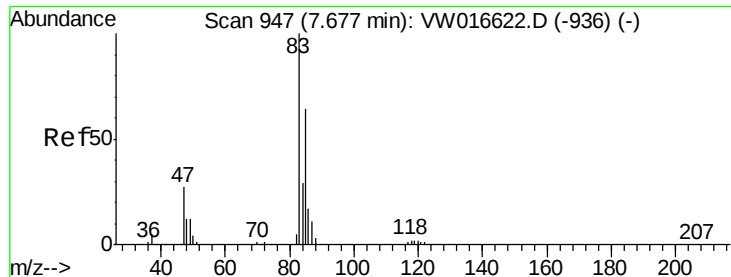
Bromochloromethane
 Concen: 25.359 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW016635.D
 Acq: 23 Sep 2020 18:23

Tgt Ion: 128 Resp: 95306
 Ion Ratio Lower Upper
 128 100
 49 126.4 92.1 171.1
 130 124.1 87.8 163.0
 51 38.7 33.6 50.4



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

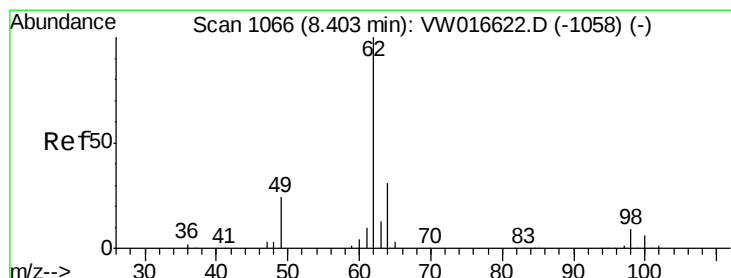
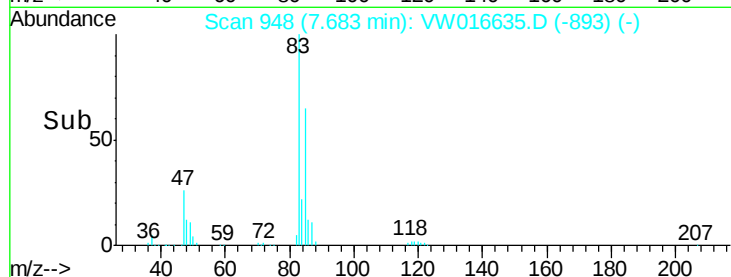
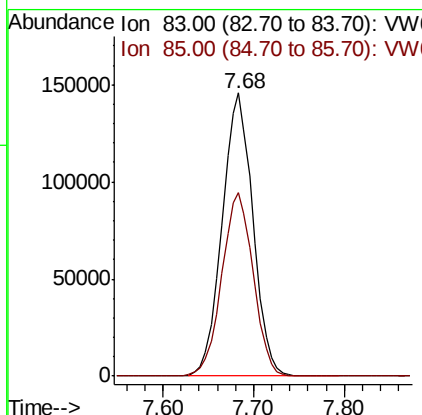
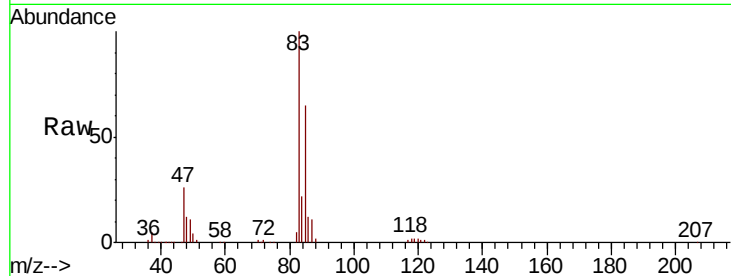




#25
Chloroform
Concen: 26.816 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW016635.D
Acq: 23 Sep 2020 18:23

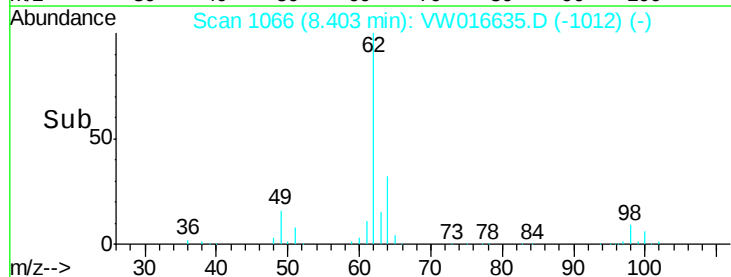
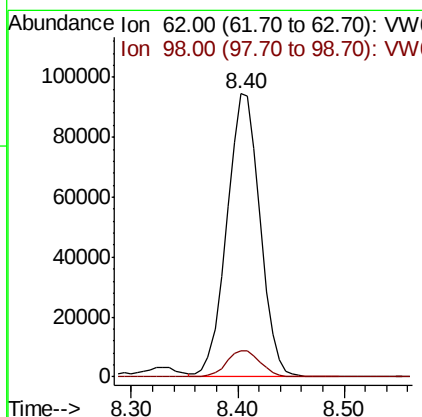
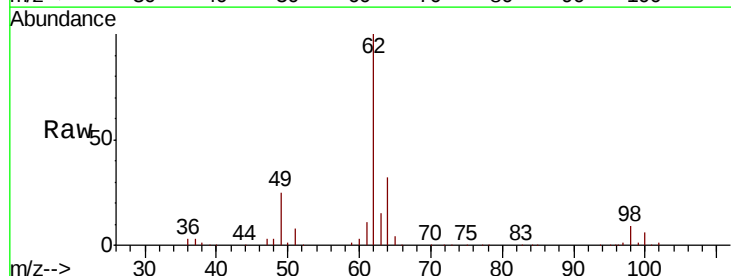
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

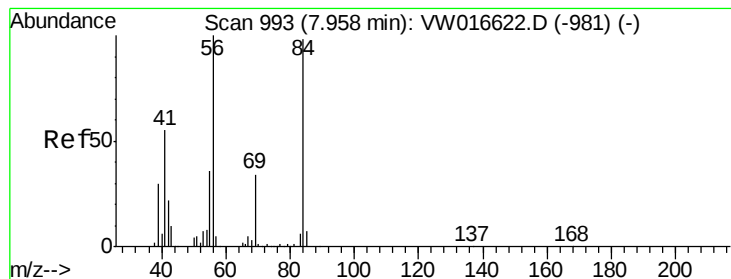
Tot Ion: 83 Resp: 344479
Ion Ratio Lower Upper
83 100
85 66.4 46.1 85.5



#27
1,2-Dichloroethane
Concen: 25.041 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016635.D
Acq: 23 Sep 2020 18:23

Tgt Ion: 62 Resp: 206398
Ion Ratio Lower Upper
62 100
98 9.4 7.9 11.9





#30

Cvclohexane

Concen: 25.269 ug/L

RT: 7.96 min Scan# 994

Delta R.T. 0.01 min

Lab File: VW016635.D

Acq: 23 Sep 2020 18:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

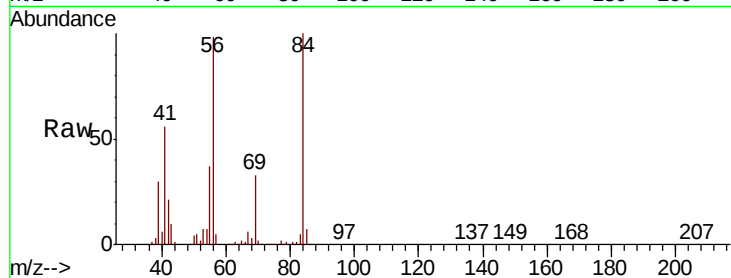
Tot Ion: 56 Resp: 283227

Ion Ratio Lower Upper

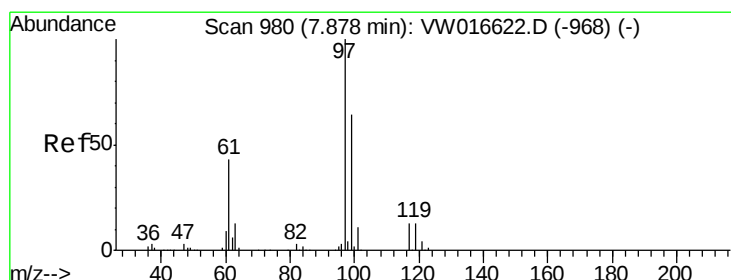
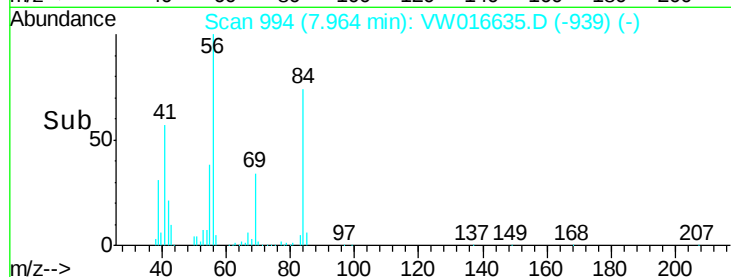
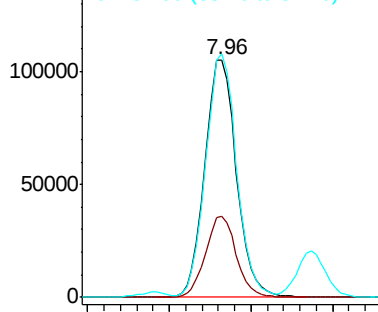
56 100

69 33.3 26.5 39.7

84 100.5 79.0 118.6



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 26.177 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW016635.D

Acq: 23 Sep 2020 18:23

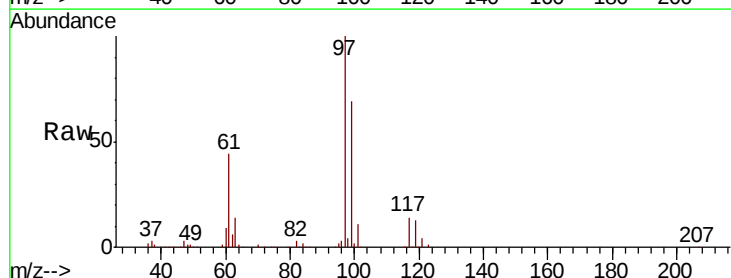
Tgt Ion: 97 Resp: 313581

Ion Ratio Lower Upper

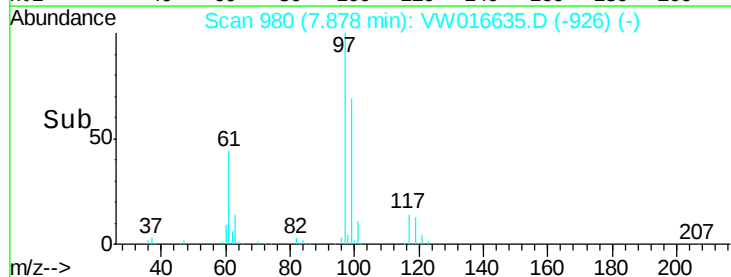
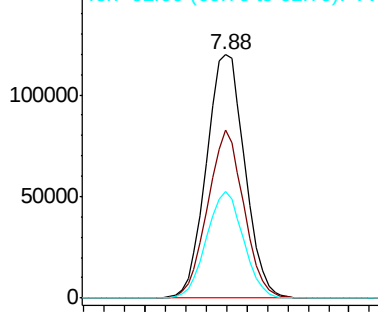
97 100

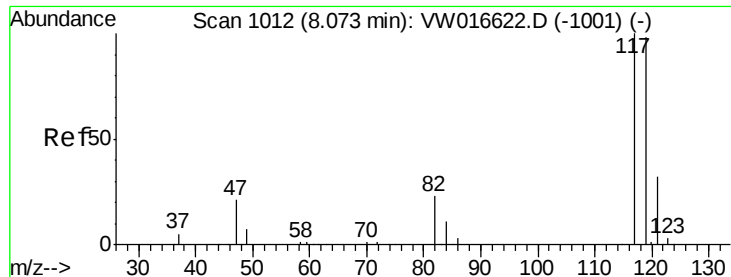
99 65.2 51.8 77.6

61 42.0 33.6 50.4



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 26.823 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW016635.D

Acq: 23 Sep 2020 18:23

Instrument :

MSVOA_W

ClientSampleId :

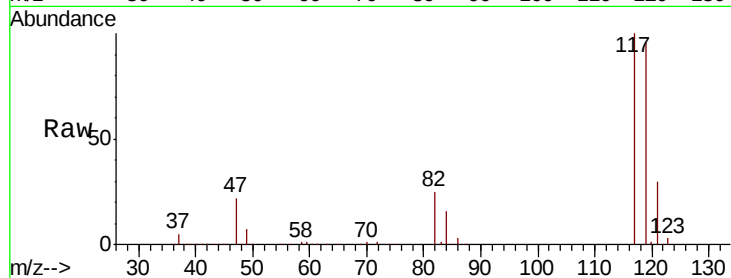
VSTD02529

Tot Ion:117 Resp: 312166

Ion Ratio Lower Upper

117 100

119 97.0 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

150000

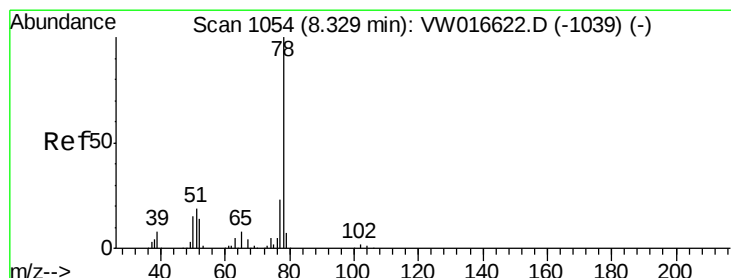
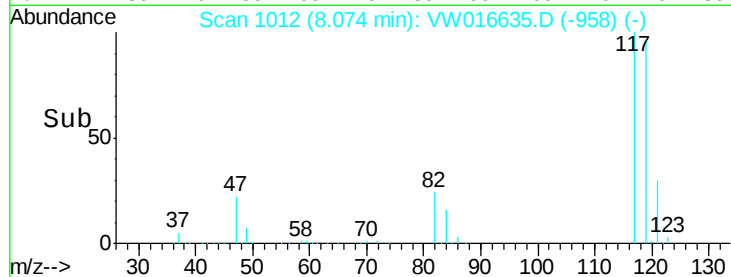
100000

50000

0

Time-->

8.00 8.10 8.20



#34

Benzene

Concen: 26.148 ug/L

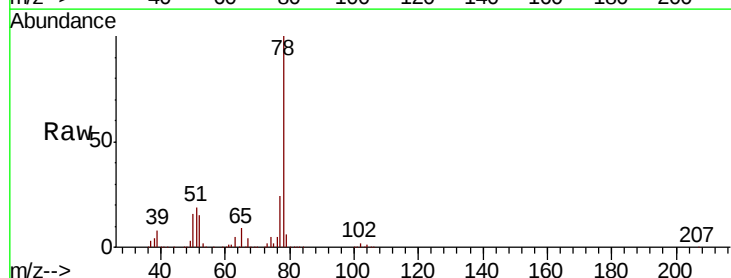
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VW016635.D

Acq: 23 Sep 2020 18:23

Tgt Ion: 78 Resp: 718844



Abundance Ion 78.00 (77.70 to 78.70): VW

8.33

300000

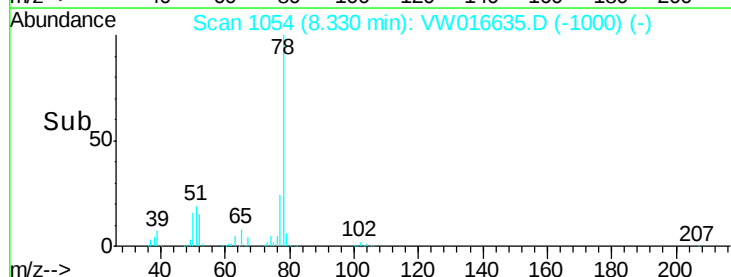
200000

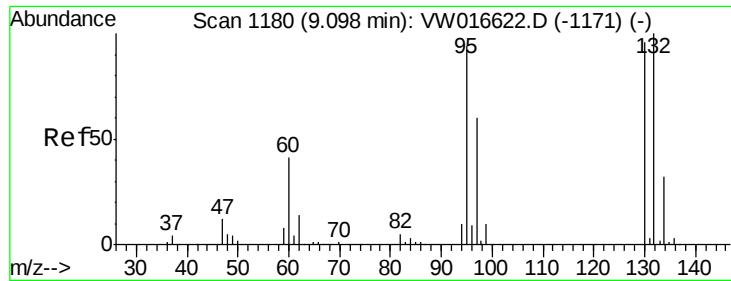
100000

0

Time-->

8.20 8.30 8.40





#35

Trichloroethene

Concen: 26.572 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW016635.D

Acq: 23 Sep 2020 18:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

Tot Ion: 95 Resp: 211350

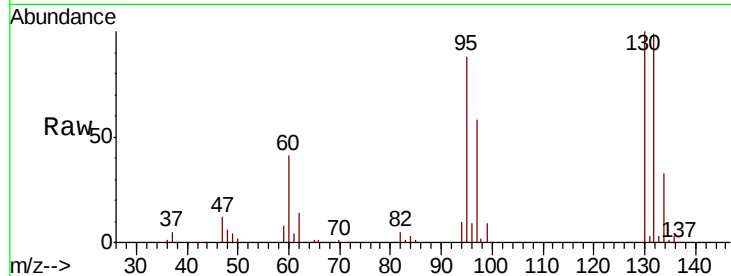
Ion Ratio Lower Upper

95 100

97 64.8 45.2 84.0

132 107.2 73.3 136.1

130 110.8 77.5 143.9

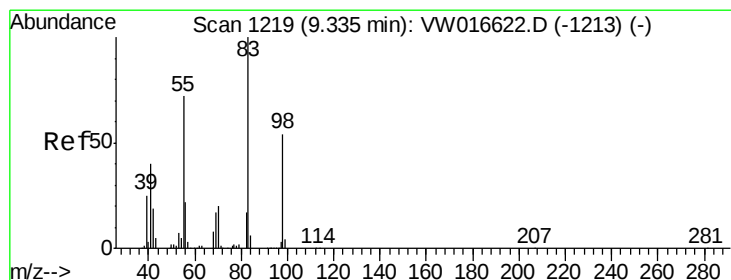
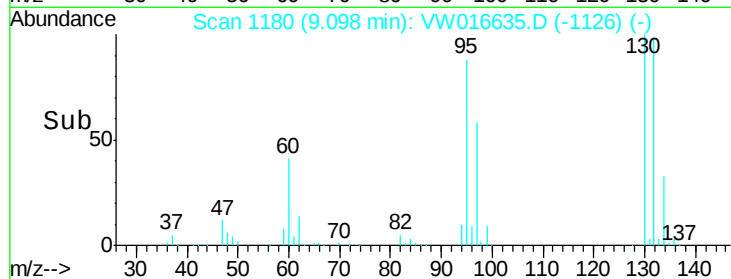
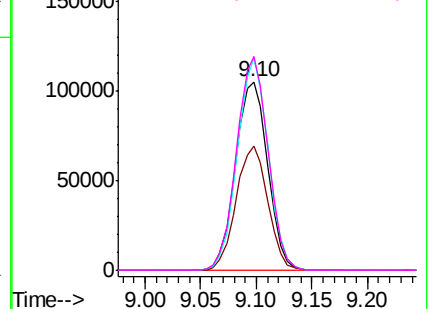


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 25.935 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VW016635.D

Acq: 23 Sep 2020 18:23

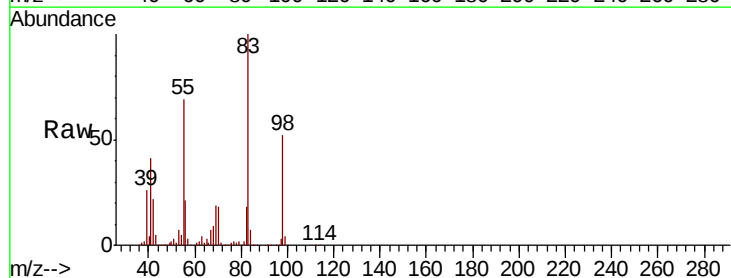
Tgt Ion: 83 Resp: 349902

Ion Ratio Lower Upper

83 100

55 69.2 55.9 83.9

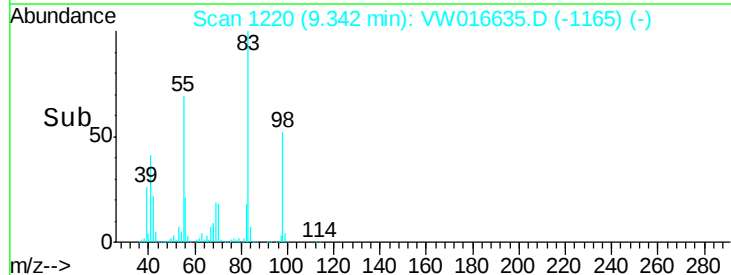
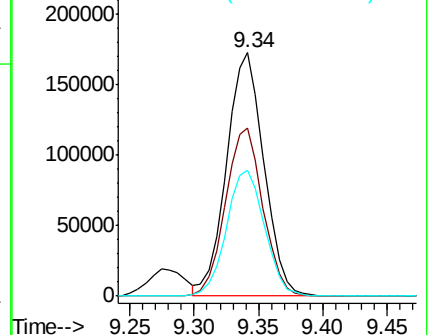
98 52.8 42.1 63.1

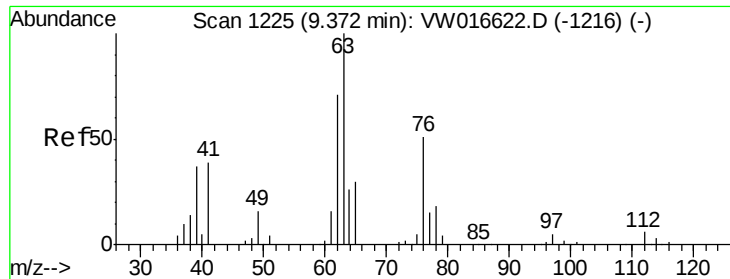


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

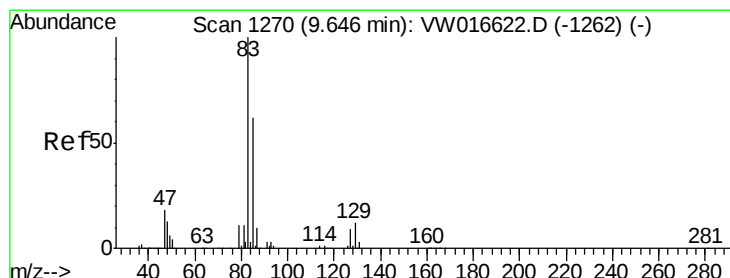
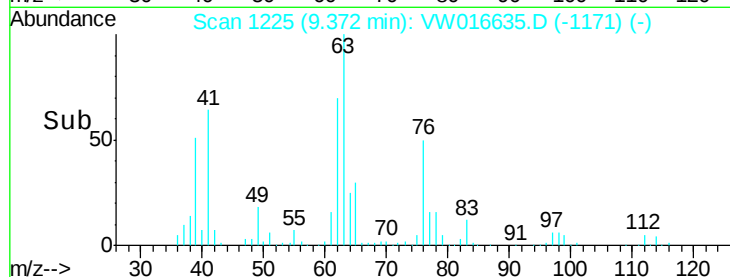
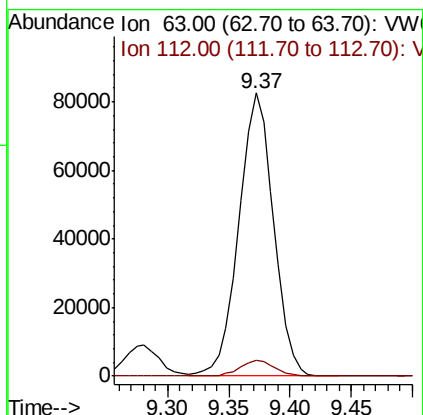
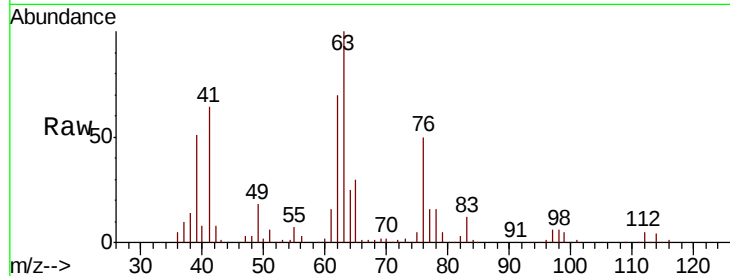




#40
 1,2-Dichloropropane
 Concen: 25.432 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016635.D
 Acq: 23 Sep 2020 18:23

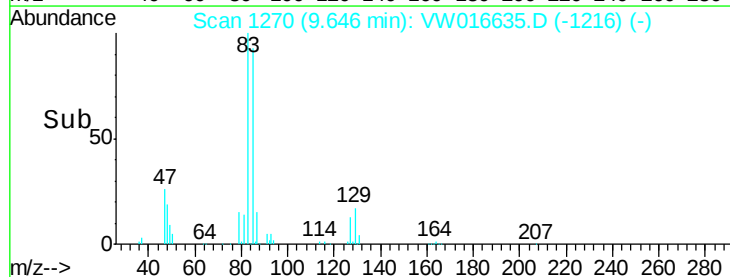
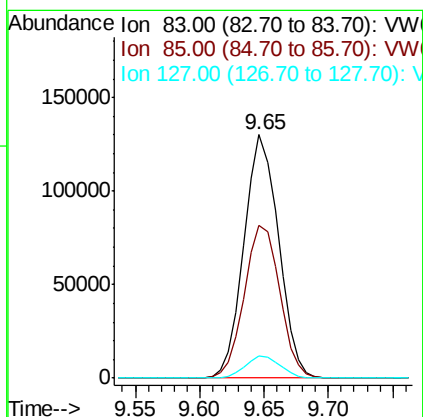
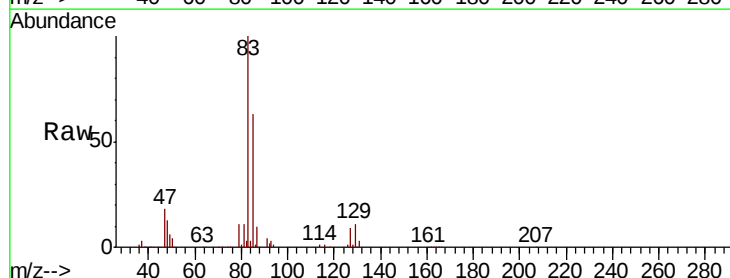
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

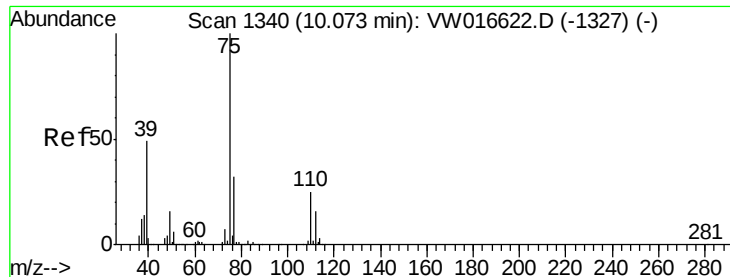
Tot Ion: 63 Resp: 162614
 Ion Ratio Lower Upper
 63 100
 112 5.5 4.5 6.7



#41
 Bromodichloromethane
 Concen: 25.589 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016635.D
 Acq: 23 Sep 2020 18:23

Tgt Ion: 83 Resp: 242462
 Ion Ratio Lower Upper
 83 100
 85 62.8 46.8 86.8
 127 8.9 6.8 10.2





#42

cis-1,3-Dichloropropene

Concen: 24.893 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW016635.D

Acq: 23 Sep 2020 18:23

Instrument :

MSVOA_W

ClientSampleId :

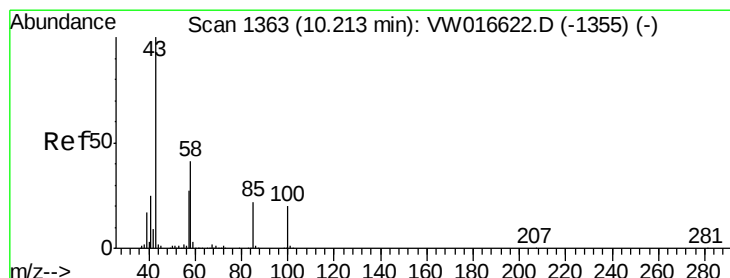
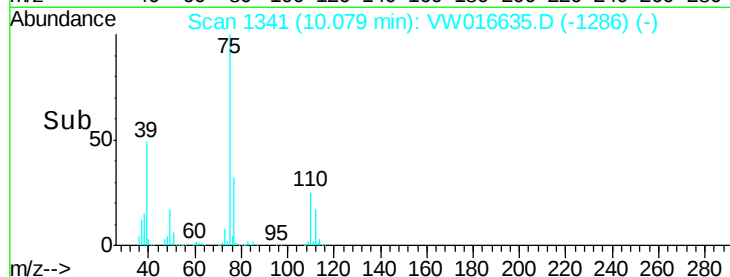
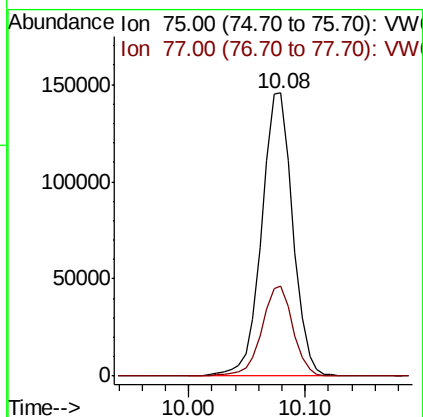
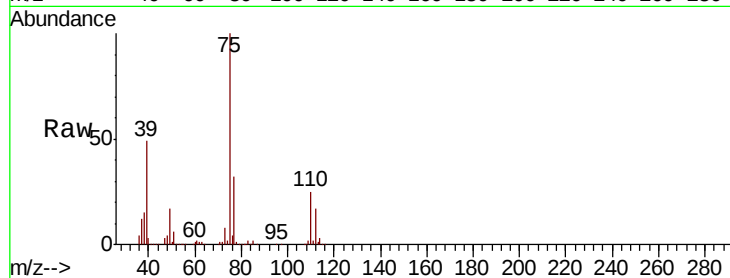
VSTD02529

Tot Ion: 75 Resp: 271870

Ion Ratio Lower Upper

75 100

77 32.0 22.2 41.2



#43

4-Methyl-2-pentanone

Concen: 38.565 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016635.D

Acq: 23 Sep 2020 18:23

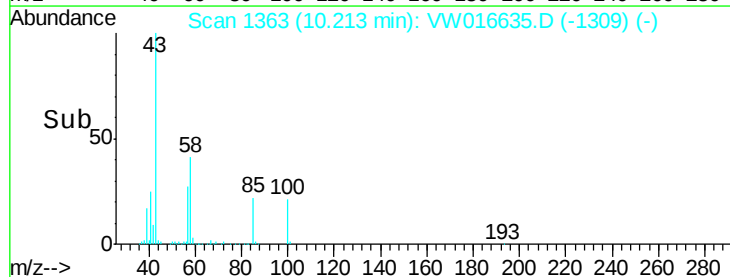
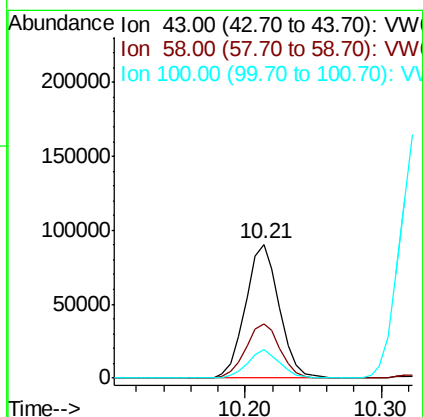
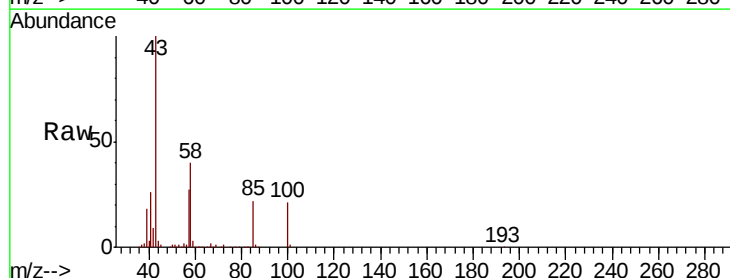
Tgt Ion: 43 Resp: 156664

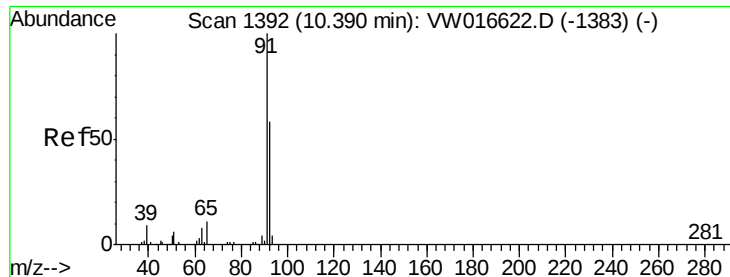
Ion Ratio Lower Upper

43 100

58 41.3 32.2 48.4

100 20.3 15.8 23.6





#44

Toluene

Concen: 27.034 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016635.D

Acq: 23 Sep 2020 18:23

Instrument :

MSVOA_W

ClientSampled :

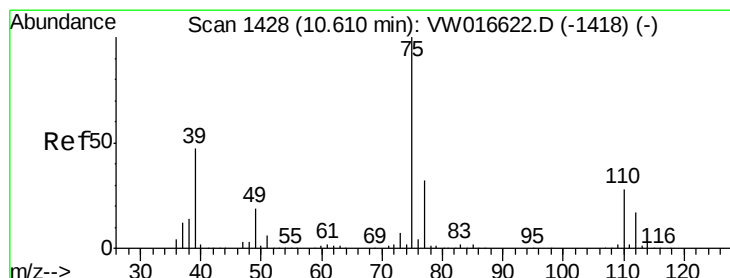
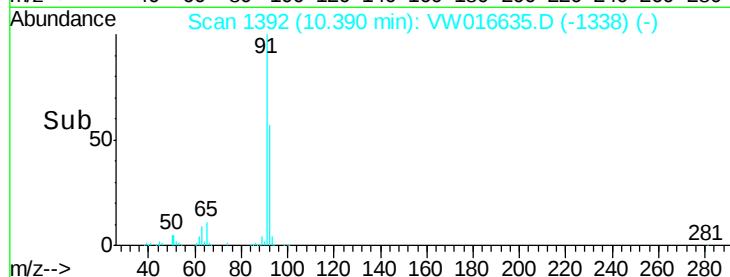
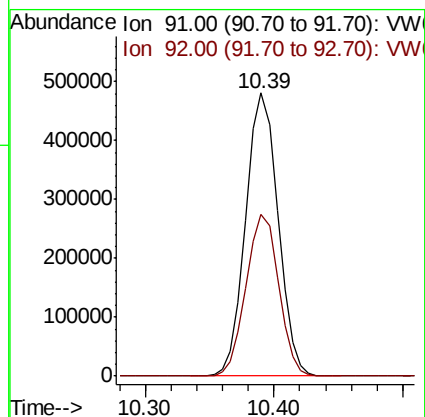
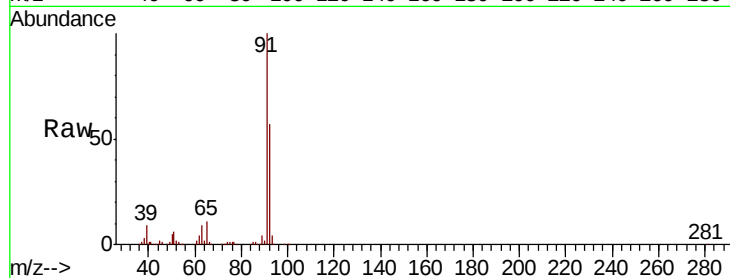
VSTD02529

Tot Ion: 91 Resp: 835715

Ion Ratio Lower Upper

91 100

92 57.2 39.6 73.6



#45

trans-1,3-Dichloropropene

Concen: 24.141 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016635.D

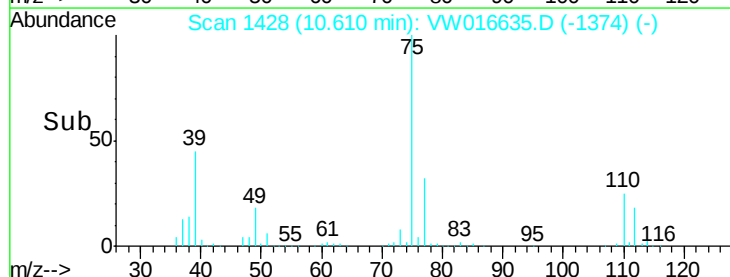
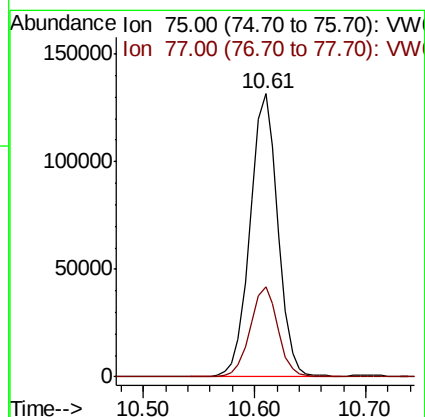
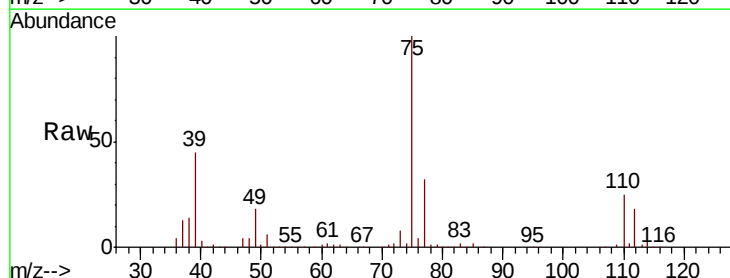
Acq: 23 Sep 2020 18:23

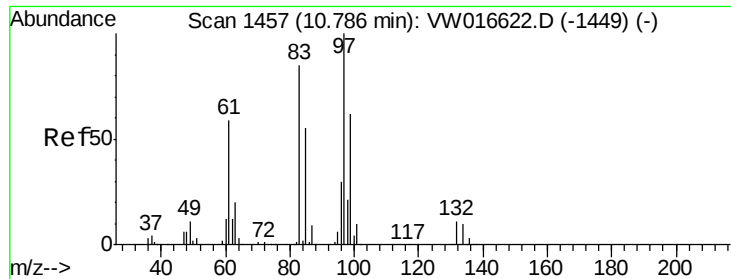
Tgt Ion: 75 Resp: 229401

Ion Ratio Lower Upper

75 100

77 31.9 22.5 41.9





#46

1,1,2-Trichloroethane

Concen: 23.603 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW016635.D

Acq: 23 Sep 2020 18:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

Tot Ion: 97 Resp: 127139

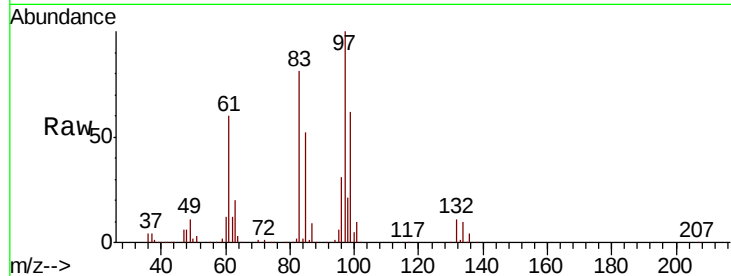
Ion Ratio Lower Upper

97 100

83 80.8 55.7 103.5

85 52.2 36.8 68.4

99 62.3 43.7 81.1

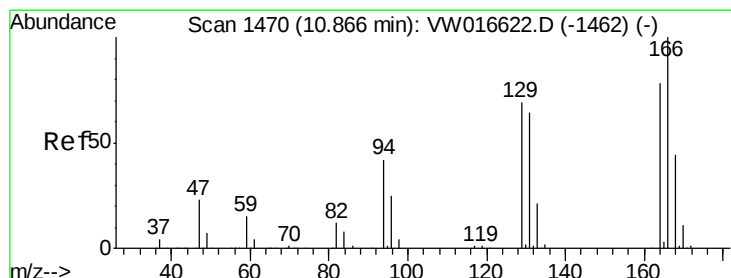
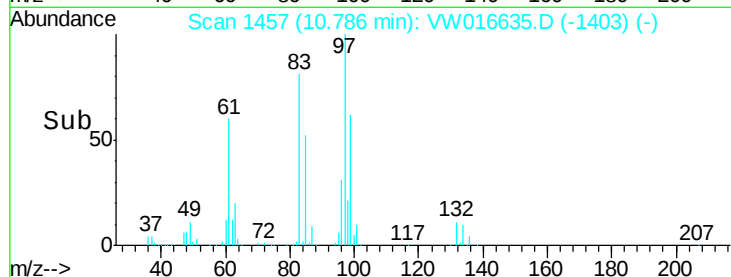
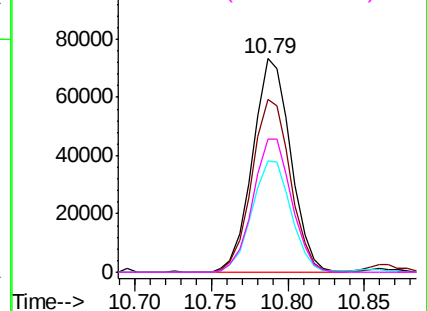


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 27.071 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016635.D

Acq: 23 Sep 2020 18:23

Tgt Ion: 164 Resp: 194433

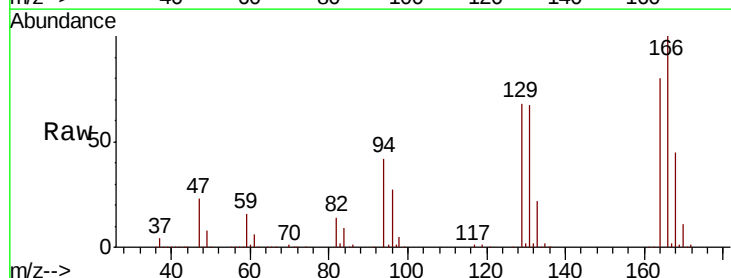
Ion Ratio Lower Upper

164 100

129 85.7 55.6 103.2

131 84.8 57.2 106.2

166 125.8 86.5 160.6

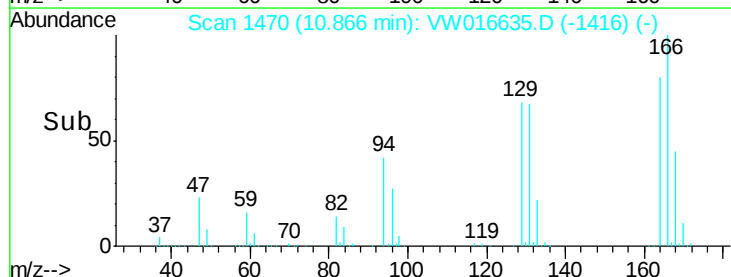
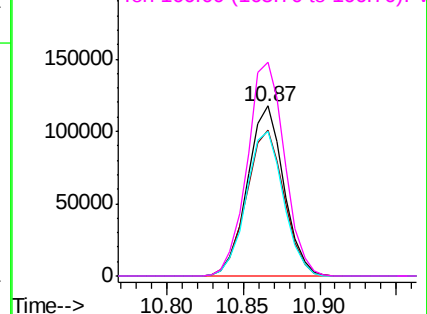


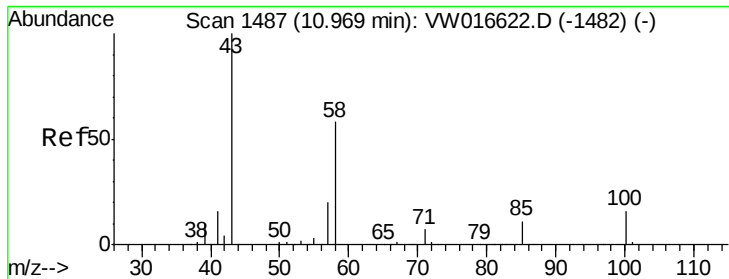
Abundance Ion 164.00 (163.70 to 164.70): V

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

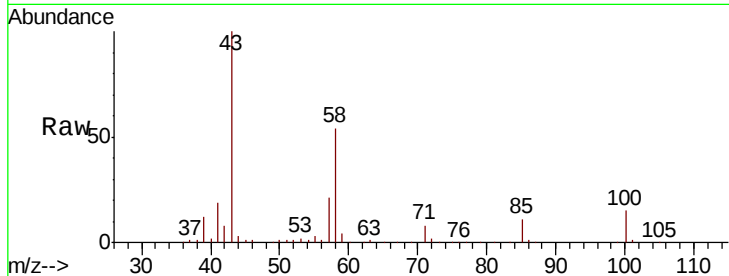




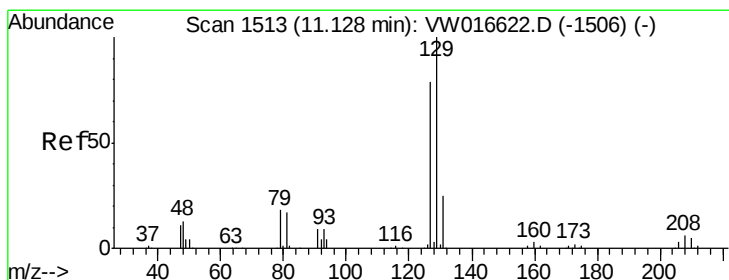
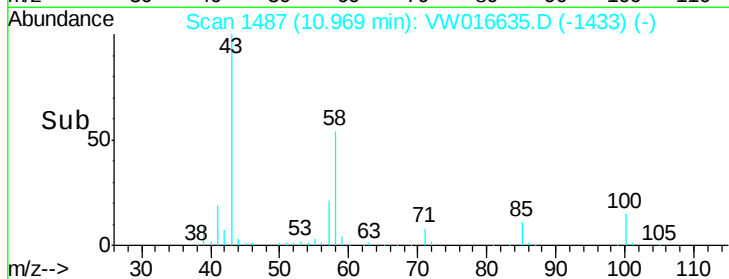
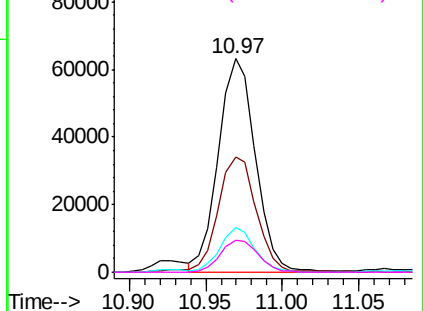
#49
2-Hexanone
Concen: 41.240 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW016635.D
Acq: 23 Sep 2020 18:23

Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

Tot Ion: 43 Resp: 106325
Ion Ratio Lower Upper
43 100
58 55.4 44.2 66.2
57 19.9 16.3 24.5
100 15.5 12.4 18.6

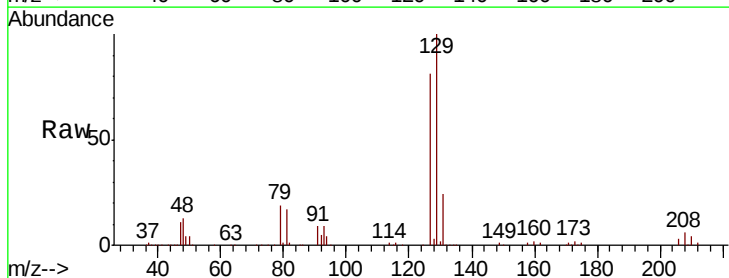


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

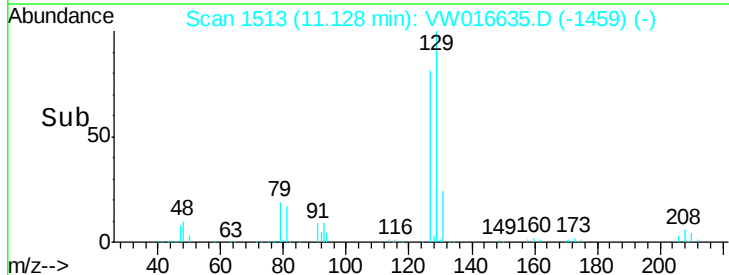
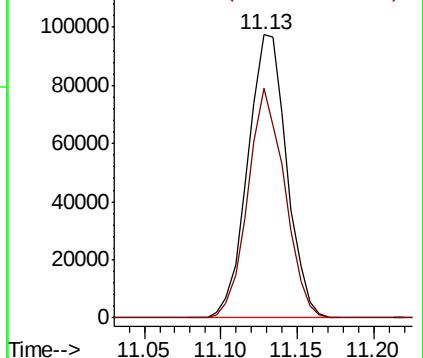


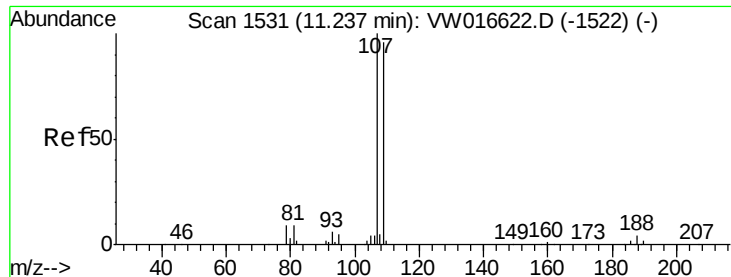
#50
Dibromochloromethane
Concen: 24.598 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW016635.D
Acq: 23 Sep 2020 18:23

Tgt Ion: 129 Resp: 172989
Ion Ratio Lower Upper
129 100
127 81.2 52.4 97.4



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





#51

1,2-Dibromoethane

Concen: 23.200 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW016635.D

Acq: 23 Sep 2020 18:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

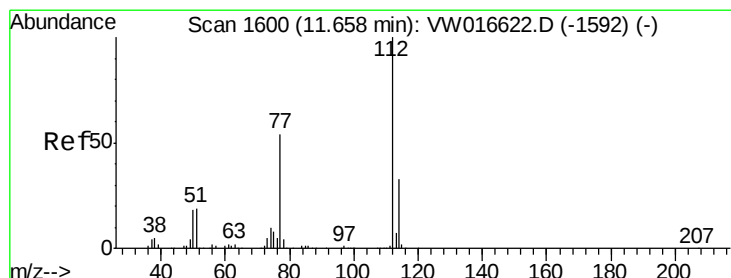
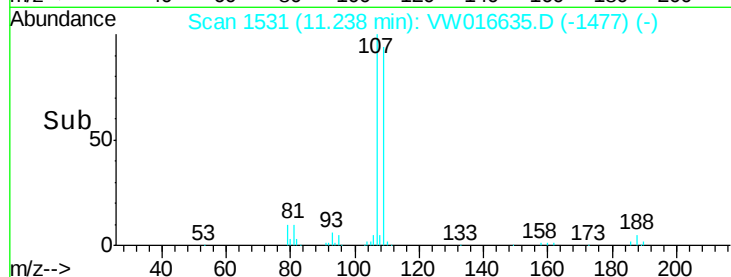
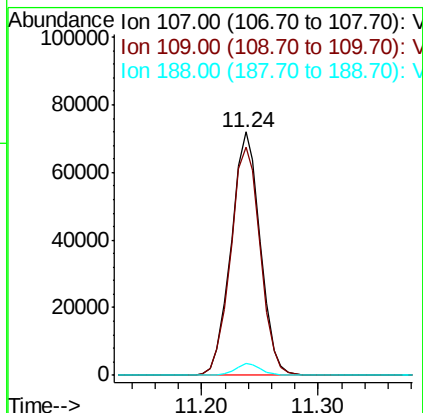
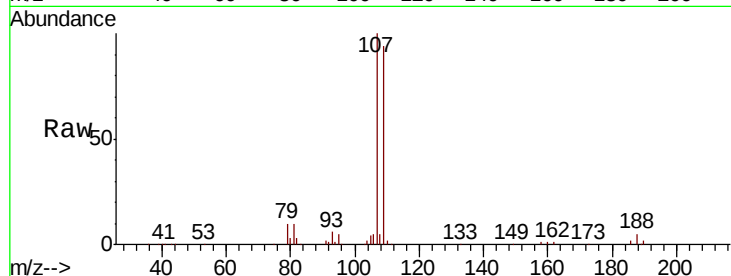
Tot Ion:107 Resp: 125122

Ion Ratio Lower Upper

107 100

109 93.8 63.0 117.0

188 4.7 3.1 4.7#



#52

Chlorobenzene

Concen: 26.404 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW016635.D

Acq: 23 Sep 2020 18:23

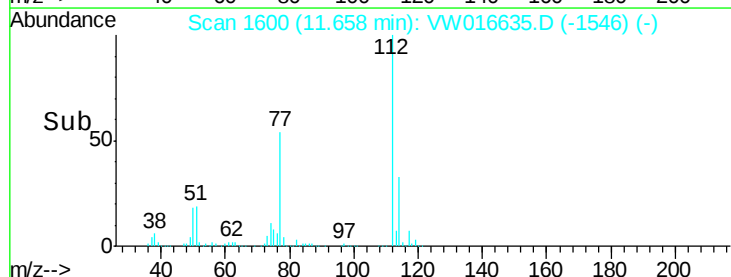
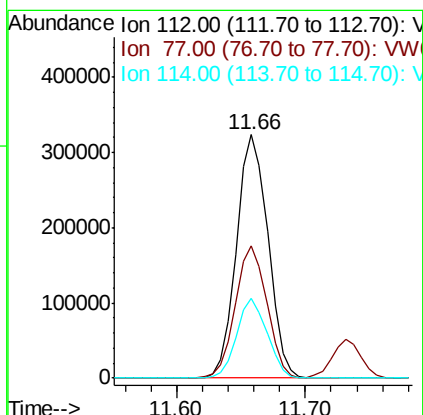
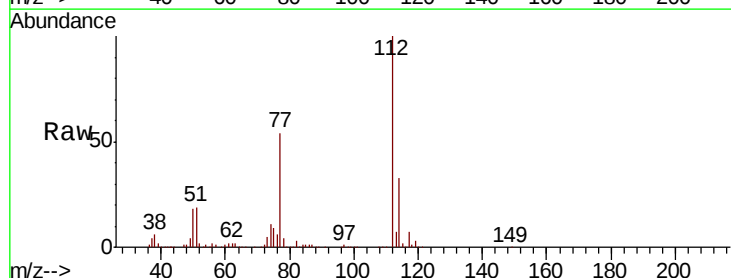
Tgt Ion:112 Resp: 548273

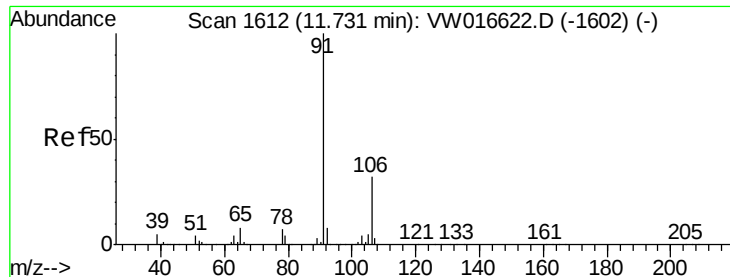
Ion Ratio Lower Upper

112 100

77 54.3 43.1 64.7

114 32.6 22.3 41.3

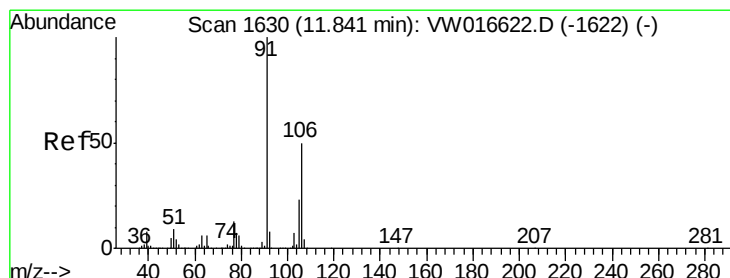
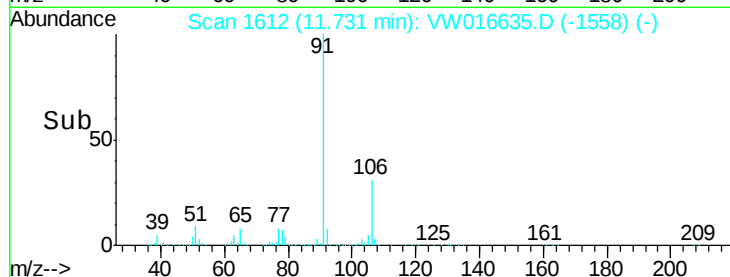
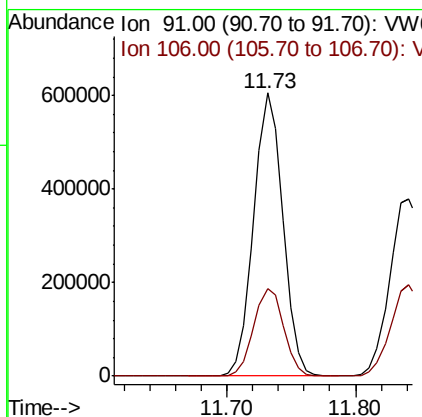
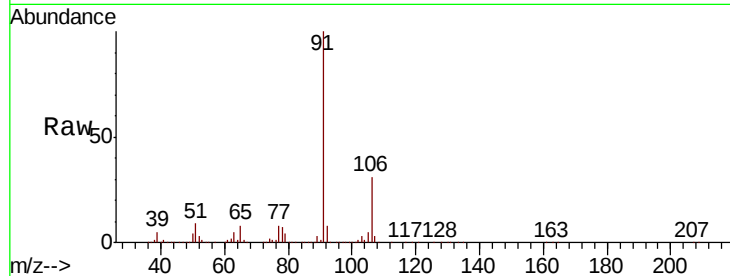




#53
Ethylbenzene
Concen: 26.899 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016635.D
Acq: 23 Sep 2020 18:23

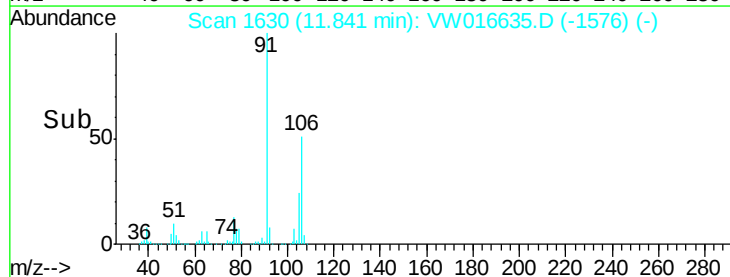
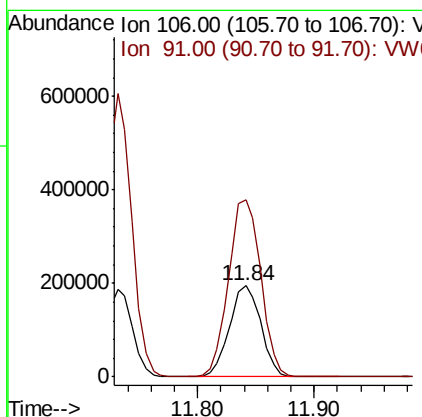
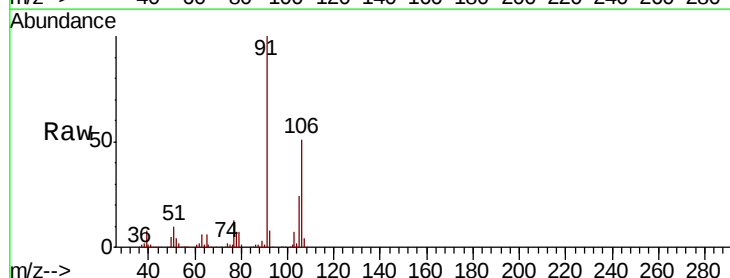
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

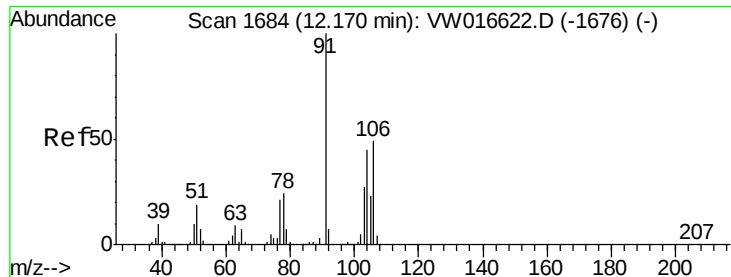
Tot Ion: 91 Resp: 944060
Ion Ratio Lower Upper
91 100
106 30.8 20.7 38.5



#54
m,p-Xylene
Concen: 26.837 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016635.D
Acq: 23 Sep 2020 18:23

Tgt Ion: 106 Resp: 368812
Ion Ratio Lower Upper
106 100
91 195.3 139.7 259.5

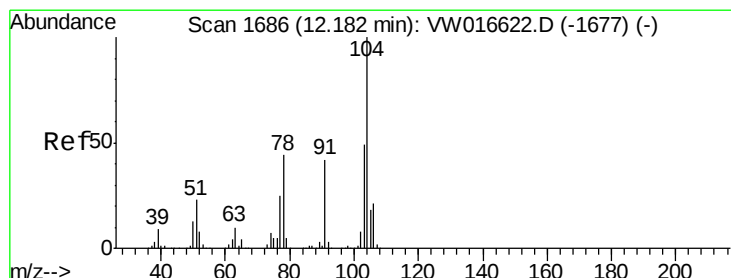
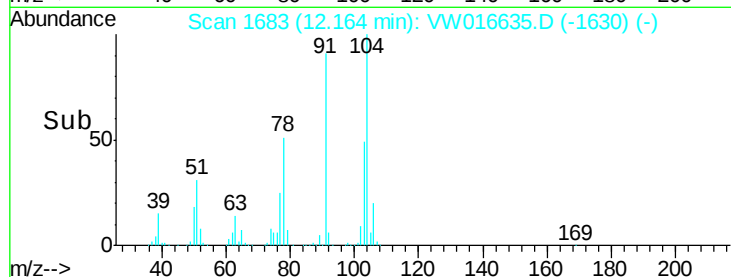
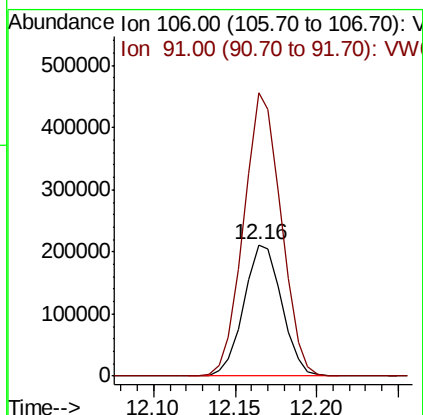
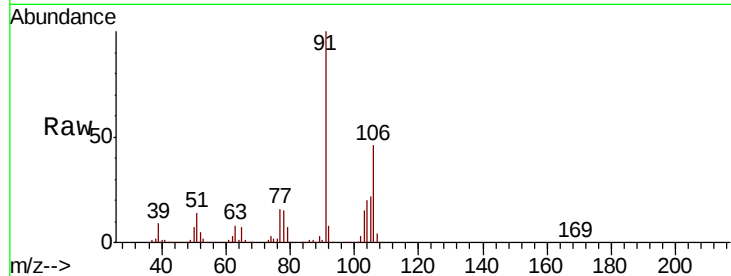




#55
o-xylene
Concen: 26.058 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW016635.D
Acq: 23 Sep 2020 18:23

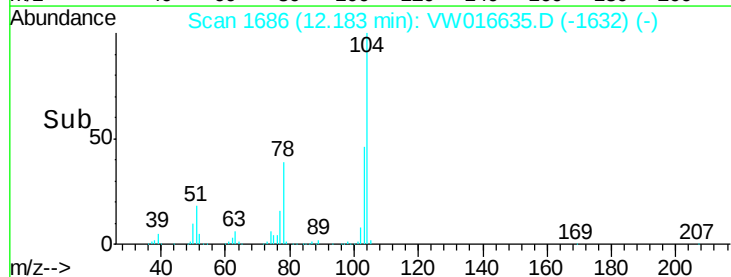
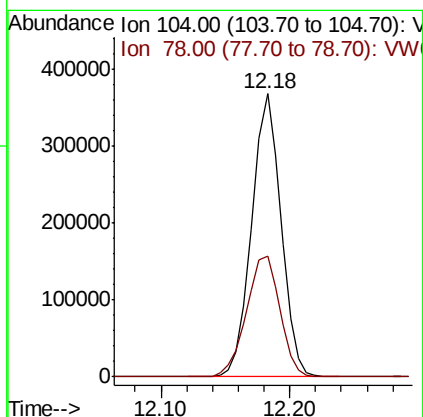
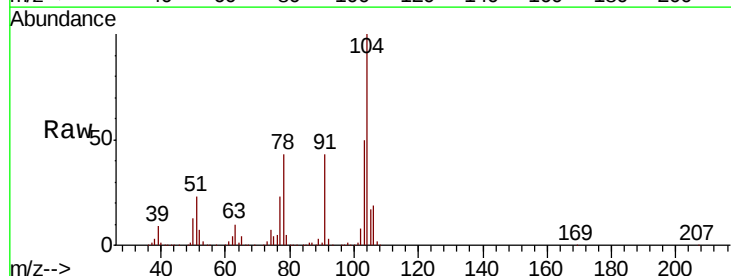
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

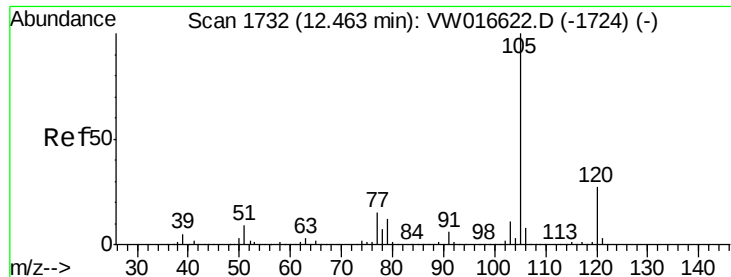
Tot Ion:106 Resp: 343083
Ion Ratio Lower Upper
106 100
91 215.5 144.8 268.8



#56
Styrene
Concen: 26.433 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016635.D
Acq: 23 Sep 2020 18:23

Tgt Ion:104 Resp: 577894
Ion Ratio Lower Upper
104 100
78 42.6 31.4 58.2





#57

Isopropylbenzene

Concen: 27.003 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW016635.D

Acq: 23 Sep 2020 18:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

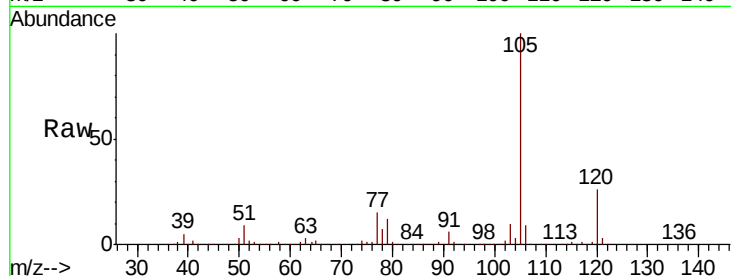
Tot Ion:105 Resp: 971463

Ion Ratio Lower Upper

105 100

120 27.3 21.8 32.8

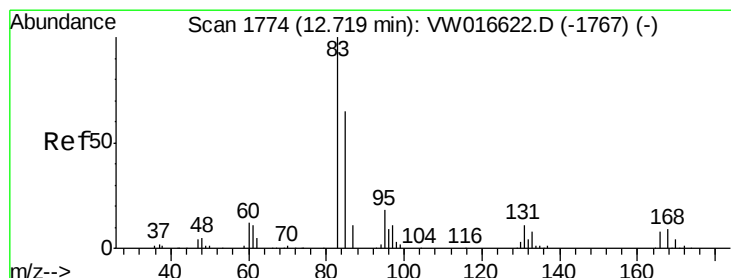
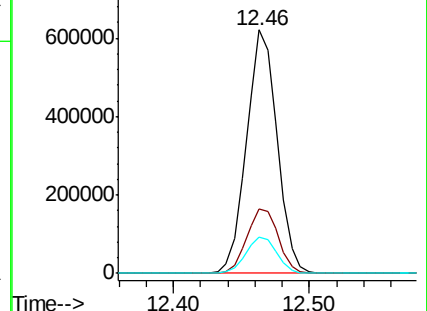
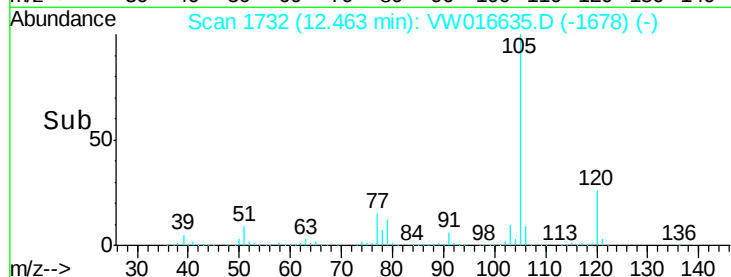
77 15.1 12.2 18.2



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: 21.611 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW016635.D

Acq: 23 Sep 2020 18:23

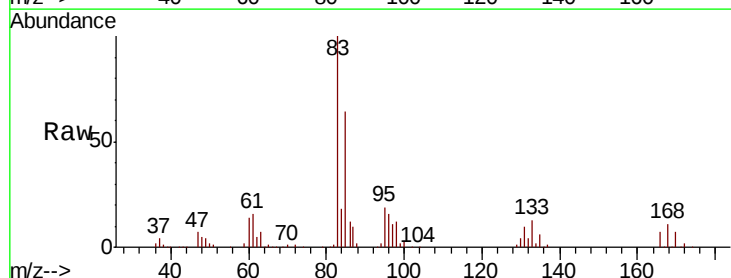
Tgt Ion: 83 Resp: 130175

Ion Ratio Lower Upper

83 100

85 64.5 46.0 85.4

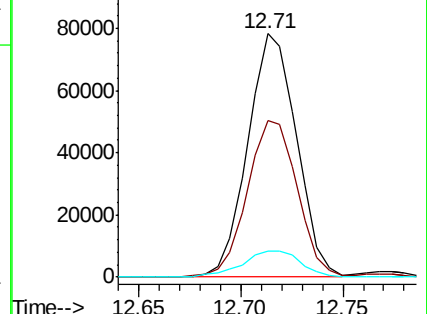
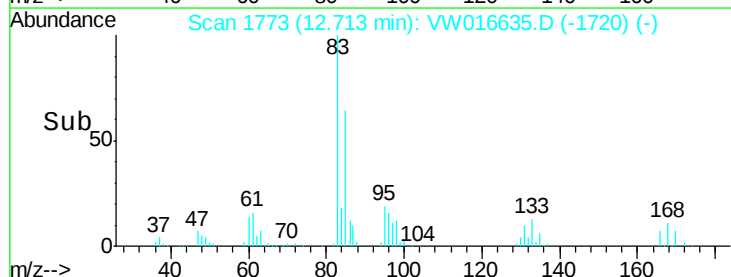
131 10.5 9.0 13.6

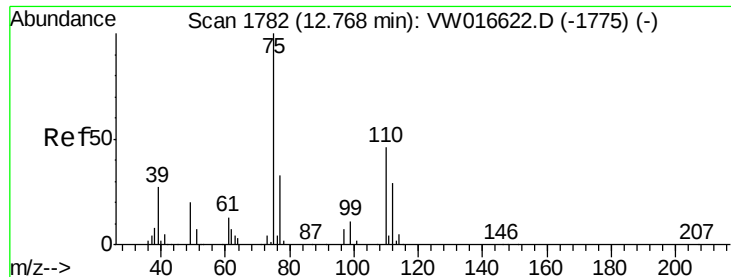


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 21.135 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW016635.D

Acq: 23 Sep 2020 18:23

Instrument :

MSVOA_W

ClientSampleId :

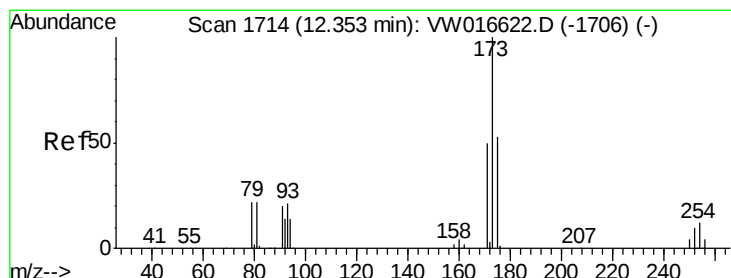
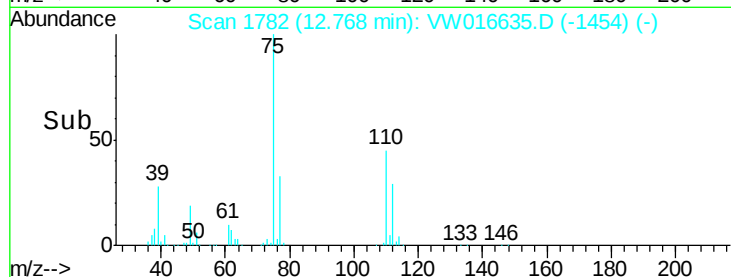
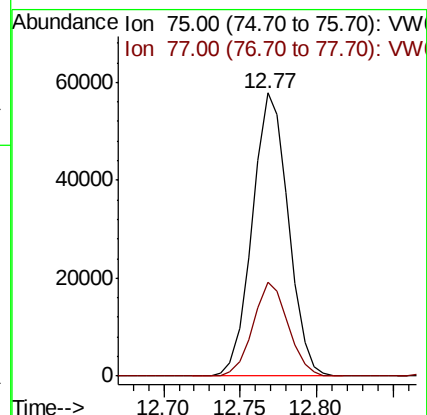
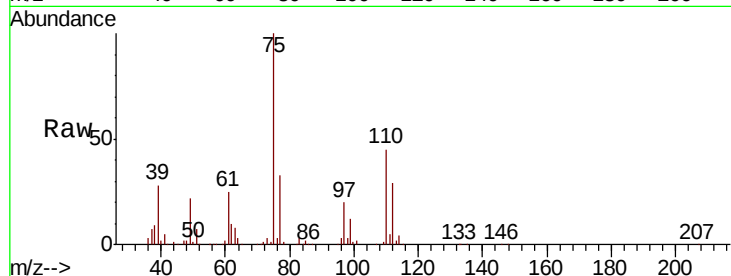
VSTD02529

Tot Ion: 75 Resp: 94823

Ion Ratio Lower Upper

75 100

77 32.3 26.2 39.4



#62

Bromoform

Concen: 23.607 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW016635.D

Acq: 23 Sep 2020 18:23

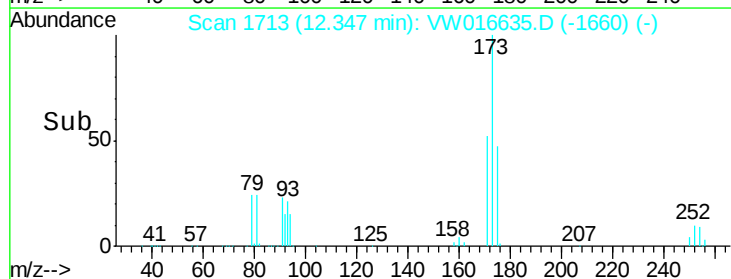
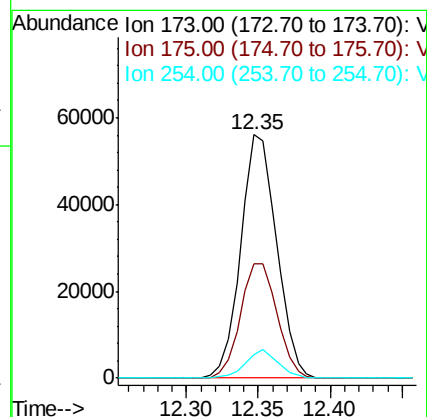
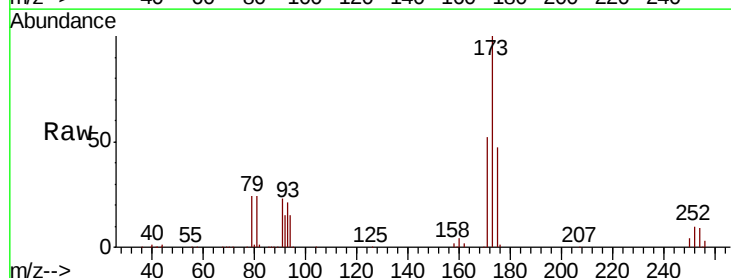
Tgt Ion: 173 Resp: 97103

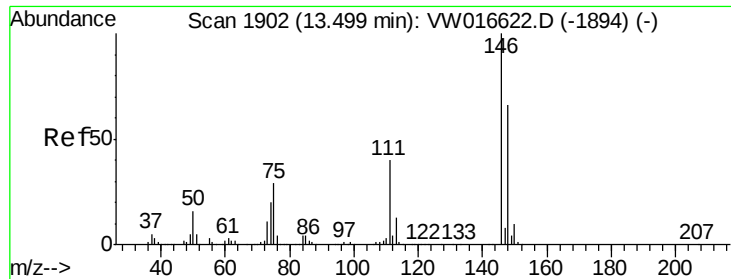
Ion Ratio Lower Upper

173 100

175 48.1 38.6 57.8

254 10.5 8.2 12.4

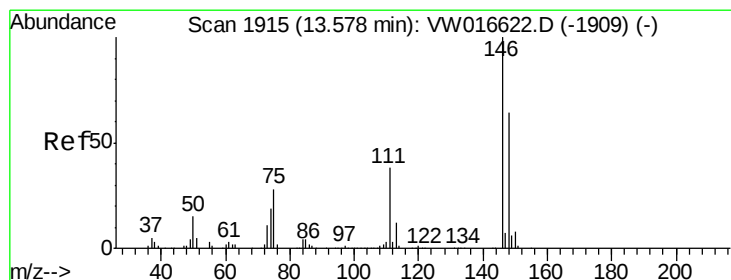
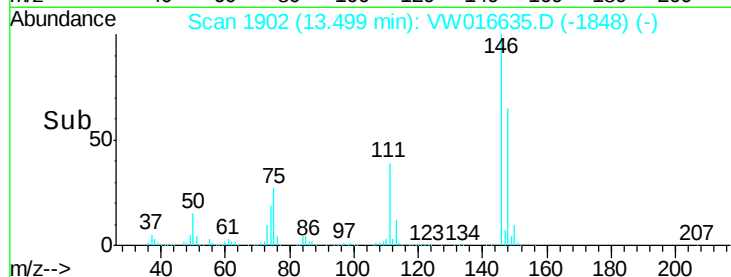
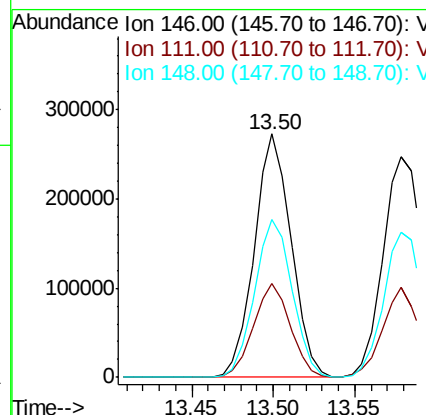
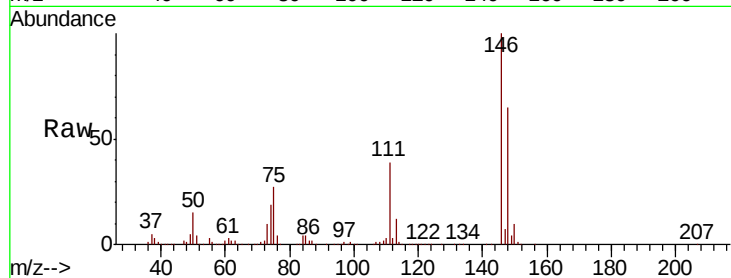




#63
 1,3-Dichlorobenzene
 Concen: 27.046 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016635.D
 Acq: 23 Sep 2020 18:23

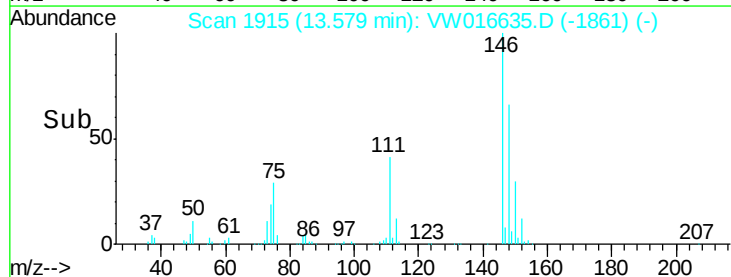
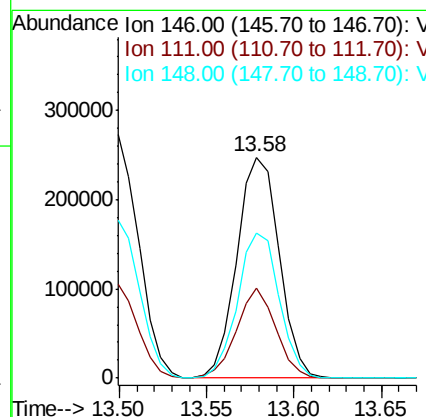
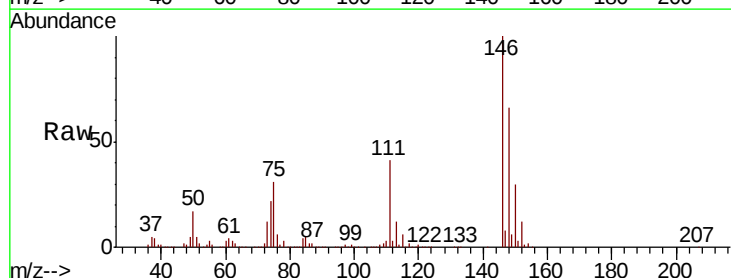
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

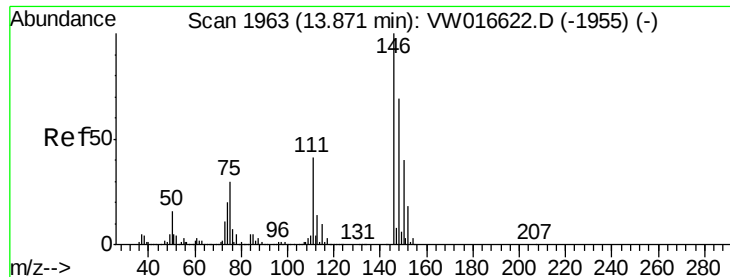
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	25.0	46.4
148	64.6	44.0	81.8



#64
 1,4-Dichlorobenzene
 Concen: 26.805 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016635.D
 Acq: 23 Sep 2020 18:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	25.1	46.5
148	65.9	42.3	78.5

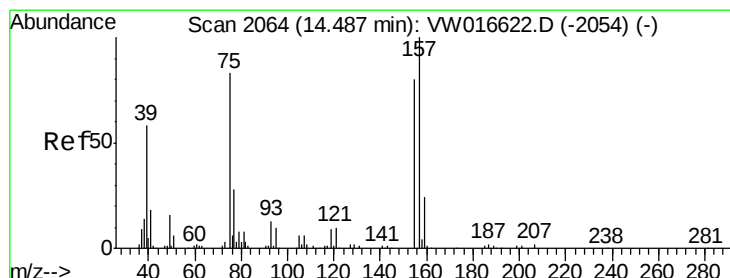
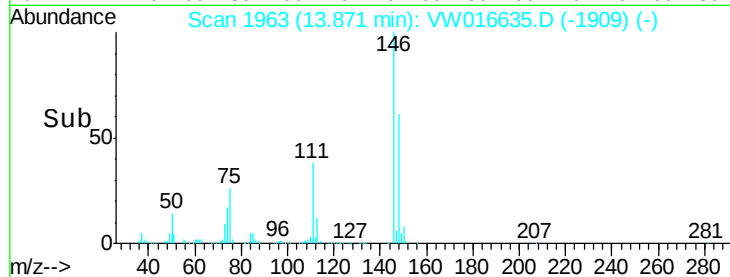
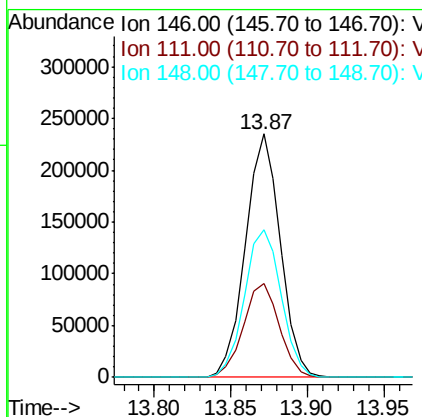
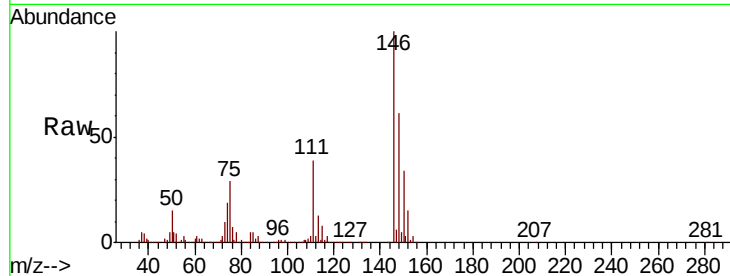




#65
 1,2-Dichlorobenzene
 Concen: 26.267 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016635.D
 Acq: 23 Sep 2020 18:23

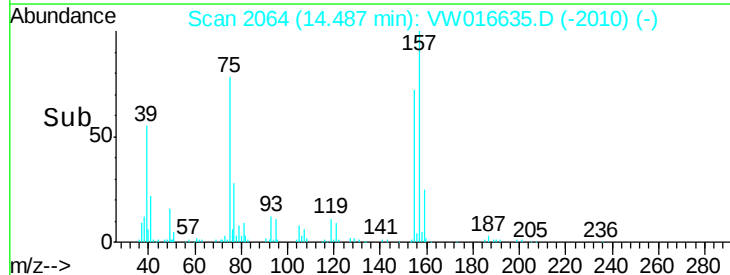
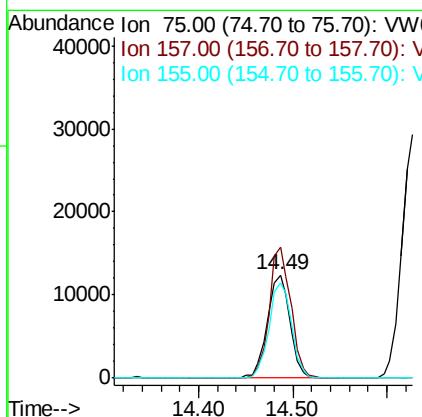
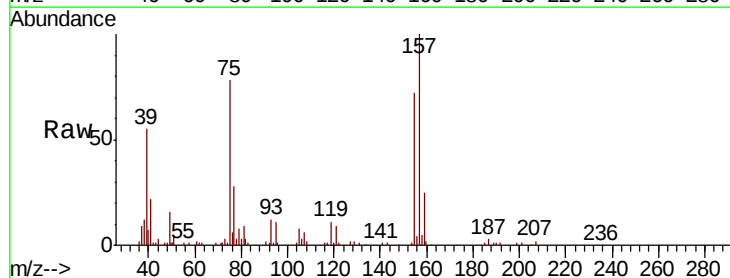
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

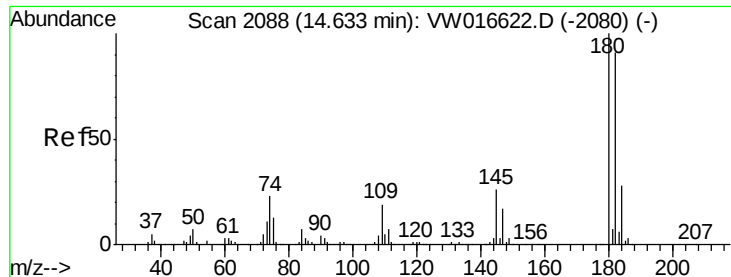
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	31.4	47.0
148	60.6	49.3	73.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 20.693 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016635.D
 Acq: 23 Sep 2020 18:23

Tgt Ion	Ratio	Lower	Upper
75	100		
157	127.7	92.2	138.4
155	92.3	73.5	110.3





#67

1,3,5-Trichlorobenzene

Concen: 27.680 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. -0.01 min

Lab File: VW016635.D

Acq: 23 Sep 2020 18:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

Tot Ion:180 Resp: 321116

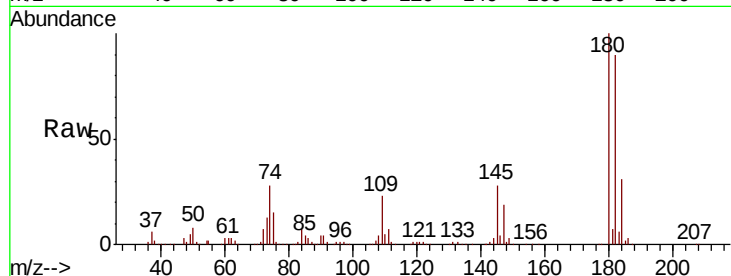
Ion Ratio Lower Upper

180 100

182 91.2 73.8 110.8

184 30.2 23.7 35.5

145 27.7 22.8 34.2

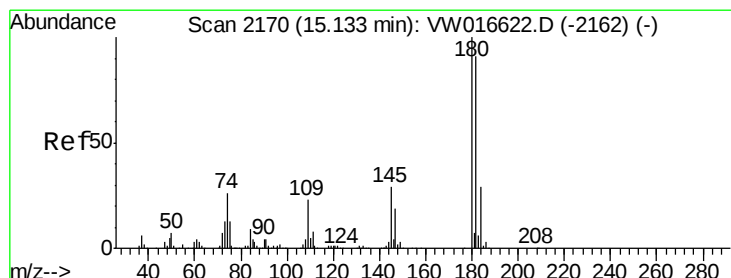
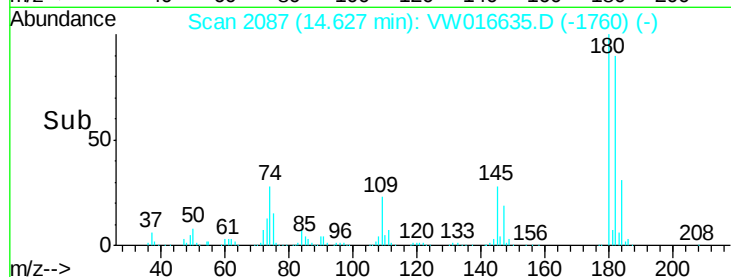
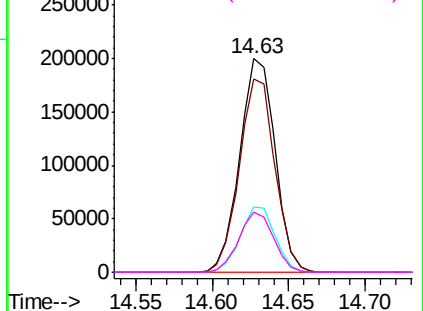


Abundance Ion 180.00 (179.70 to 180.70): V

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: 26.368 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VW016635.D

Acq: 23 Sep 2020 18:23

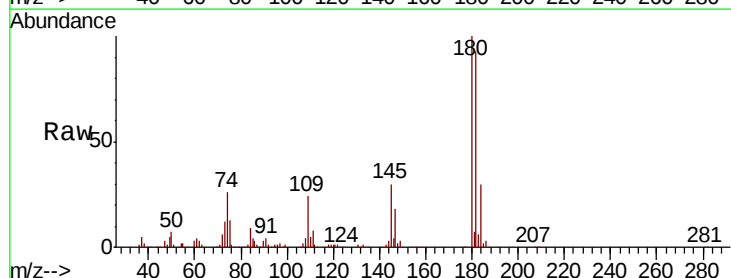
Tgt Ion:180 Resp: 247453

Ion Ratio Lower Upper

180 100

182 94.7 74.5 111.7

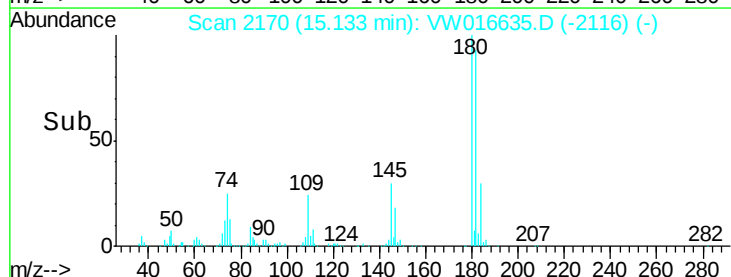
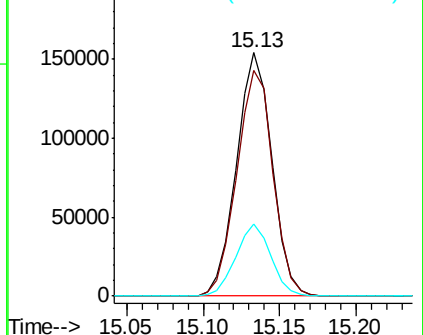
145 29.3 23.1 34.7

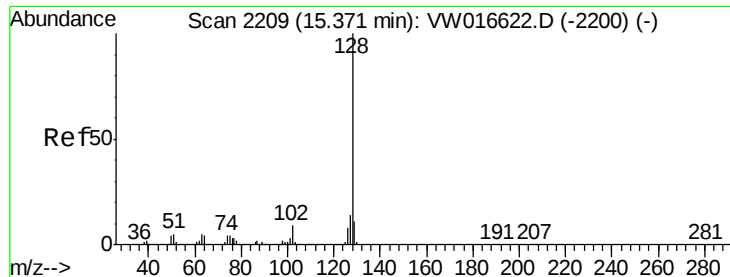


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 22.857 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW016635.D

Acq: 23 Sep 2020 18:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

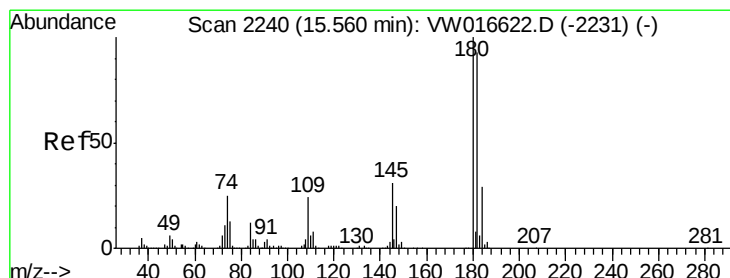
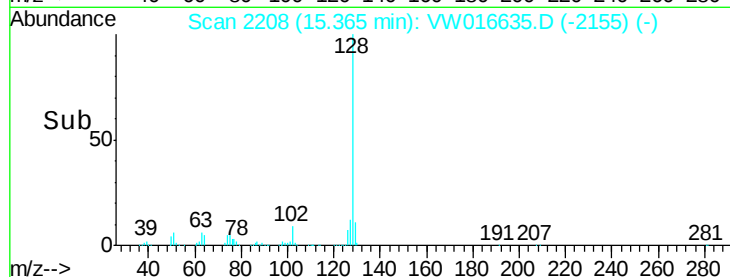
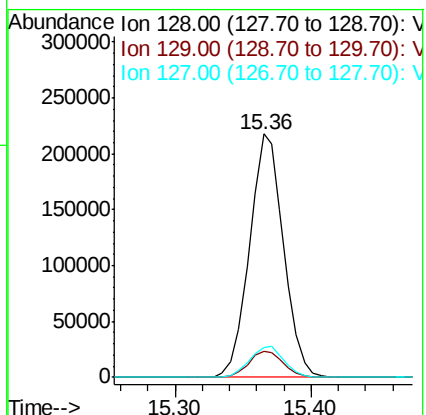
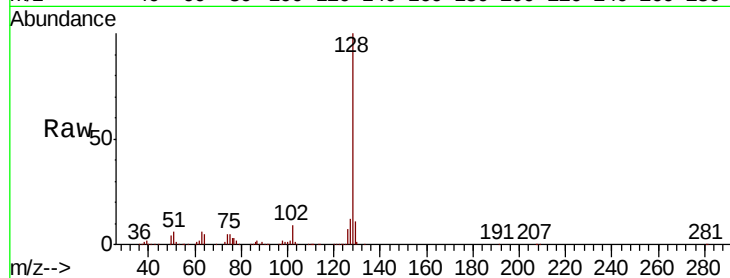
Tot Ion:128 Resp: 380257

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 12.9 10.8 16.2



#70

1,2,3-Trichlorobenzene

Concen: 25.031 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW016635.D

Acq: 23 Sep 2020 18:23

Tgt Ion:180 Resp: 202034

Ion Ratio Lower Upper

180 100

182 91.1 76.3 114.5

145 31.4 24.1 36.1

