

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092520\
 Data File : VW016649.D
 Acq On : 24 Sep 2020 19:35
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

Quant Time: Sep 25 08:04:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 25 07:55:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	554793	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	486365	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	238252	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	91737	17.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.32%
7) Chloroethane-d5	2.90	69	85098	19.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.64%
10) 1,1-Dichloroethene-d2	4.04	63	245679	20.46	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.84%
20) 2-Butanone-d5	7.09	46	64463	44.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.06%
24) Chloroform-d	7.65	84	275422	23.73	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.92%
26) 1,2-Dichloroethane-d4	8.31	65	135052	22.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.68%
29) Benzene-d6	8.28	84	463251	21.24	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.96%
33) 1,2-Dichloropropane-d6	9.28	67	136207	23.04	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.16%
37) Toluene-d8	10.33	98	433121	20.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	80.72%
38) trans-1,3-Dichloropropene-	10.58	79	63698	21.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.52%
39) 2-Hexanone-d5	10.93	63	52015	48.38	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.76%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	120724	24.00	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.00%
61) 1,2-Dichlorobenzene-d4	13.85	152	182767	24.01	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.04%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.03	85	179041	26.124	ug/L	93
3) Chloromethane	2.23	50	122440	24.415	ug/L	97
5) Vinyl chloride	2.38	62	178584	24.132	ug/L	99
6) Bromomethane	2.79	94	130155	23.178	ug/L	100
8) Chloroethane	2.93	64	105734	24.152	ug/L	98
9) Trichlorofluoromethane	3.28	101	178089	23.869	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.08	101	186681	26.117	ug/L	99
12) 1,1-Dichloroethene	4.06	96	181115	25.773	ug/L	91
13) Acetone	4.14	43	46574	40.609	ug/L	99
14) Carbon disulfide	4.40	76	503604	23.754	ug/L	99
15) Methyl Acetate	4.68	43	56362	21.582	ug/L	99
16) Methylene chloride	4.93	84	184746	21.591	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	230646	23.963	ug/L	100
18) trans-1,2-Dichloroethene	5.43	96	188938	25.962	ug/L	99
19) 1,1-Dichloroethane	6.23	63	292650	25.429	ug/L	98
21) 2-Butanone	7.18	43	78392	40.177	ug/L	99
22) cis-1,2-Dichloroethene	7.18	96	193028	25.564	ug/L	99

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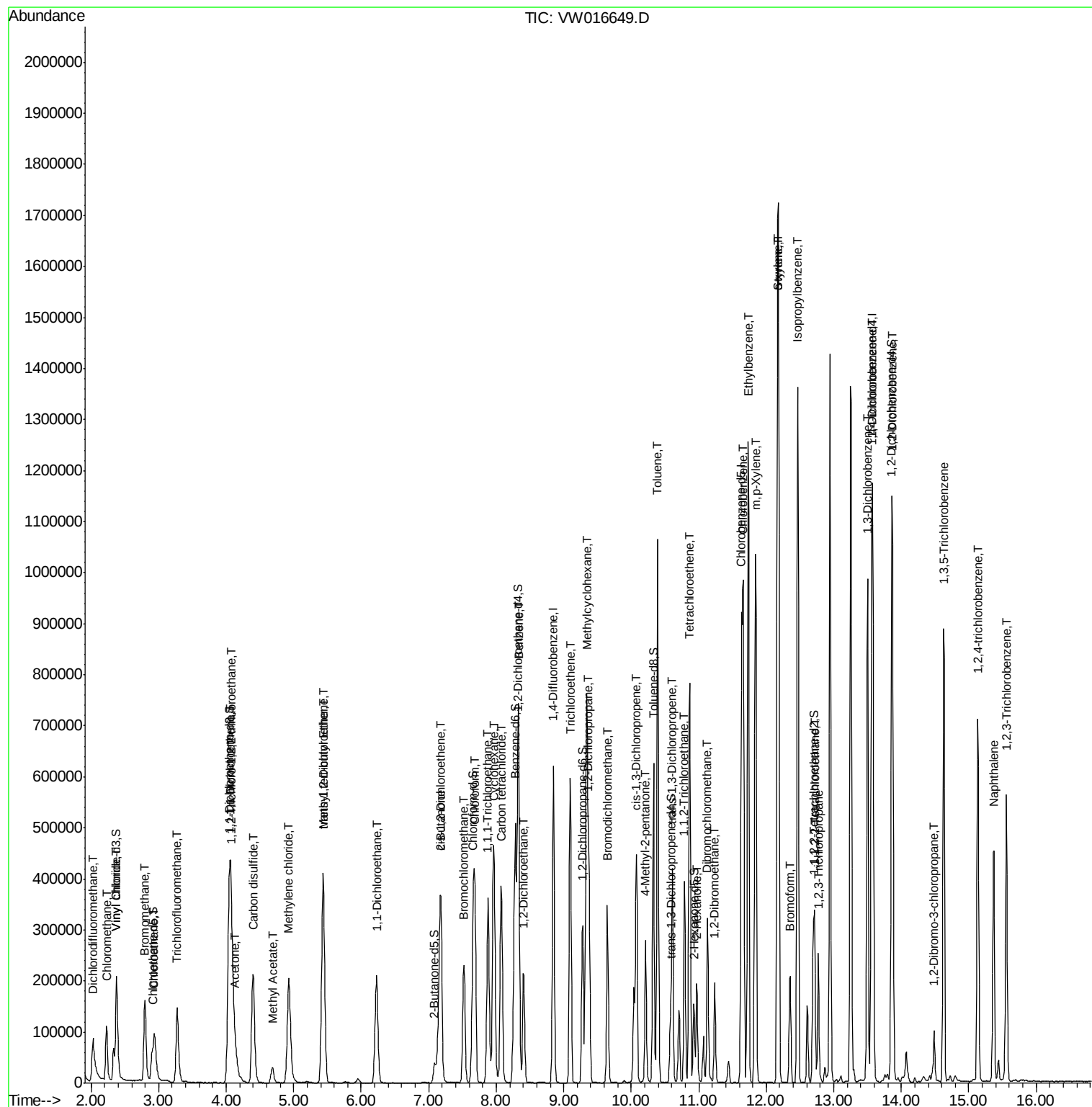
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	92104	25.091	ug/L	97
25) Chloroform	7.68	83	325296	25.925	ug/L	99
27) 1,2-Dichloroethane	8.40	62	202574	25.162	ug/L	98
30) Cyclohexane	7.96	56	268681	25.279	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	301386	26.533	ug/L	100
32) Carbon tetrachloride	8.07	117	291849	26.446	ug/L	100
34) Benzene	8.33	78	673517	25.836	ug/L	100
35) Trichloroethene	9.10	95	200040	26.523	ug/L	99
36) Methylcyclohexane	9.34	83	331272	25.895	ug/L	99
40) 1,2-Dichloropropane	9.37	63	153083	25.249	ug/L	100
41) Bromodichloromethane	9.65	83	230317	25.634	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	257789	24.892	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	169246	43.936	ug/L	98
44) Toluene	10.39	91	777149	26.512	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	221448	24.577	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	126752	24.815	ug/L	98
47) Tetrachloroethene	10.87	164	187128	27.477	ug/L	97
49) 2-Hexanone	10.97	43	114014	46.637	ug/L	97
50) Dibromochloromethane	11.13	129	166402	24.952	ug/L	95
51) 1,2-Dibromoethane	11.24	107	128289	25.085	ug/L	95
52) Chlorobenzene	11.66	112	509269	25.864	ug/L	99
53) Ethylbenzene	11.73	91	880241	26.449	ug/L	99
54) m,p-Xylene	11.84	106	343244	26.339	ug/L	98
55) o-xylene	12.16	106	330915	26.506	ug/L	98
56) Styrene	12.18	104	551455	26.600	ug/L	97
57) Isopropylbenzene	12.46	105	911688	26.725	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	136442	23.887	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	100219	23.557	ug/L	99
62) Bromoform	12.35	173	98685	24.557	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	415748	26.828	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	396096	26.100	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	356919	25.776	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	23274	23.449	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	291667	25.735	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	234586	25.587	ug/L	95
69) Naphthalene	15.37	128	410588	25.263	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	202022	25.620	ug/L	100

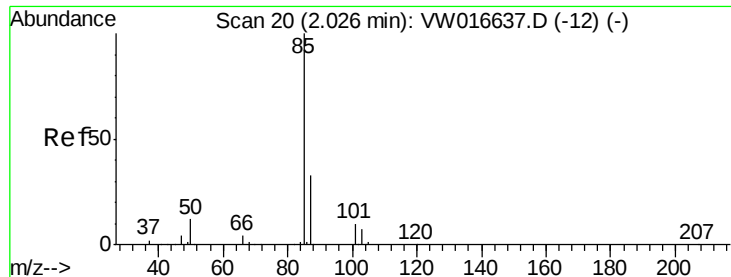
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#2

Dichlorodifluoromethane

Concen: 26.124 ug/L

RT: 2.03 min Scan# 20

Delta R.T. 0.00 min

Lab File: VW016649.D

Acq: 24 Sep 2020 19:35

Instrument :

MSVOA_W

ClientSampleId :

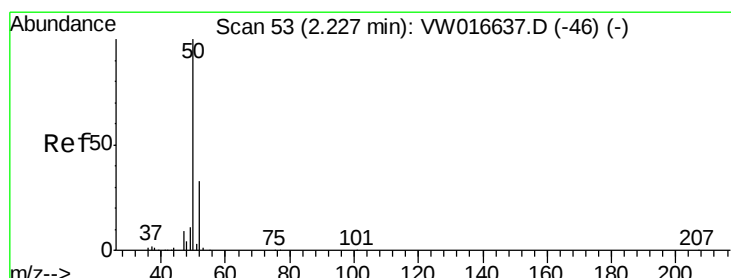
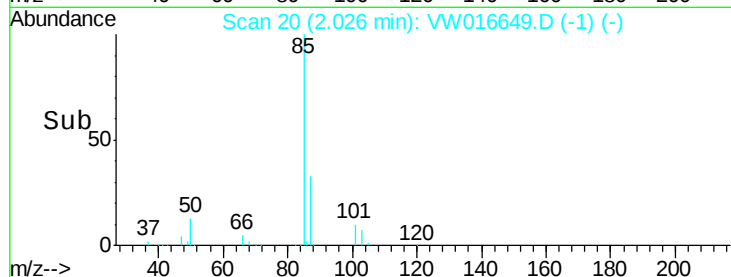
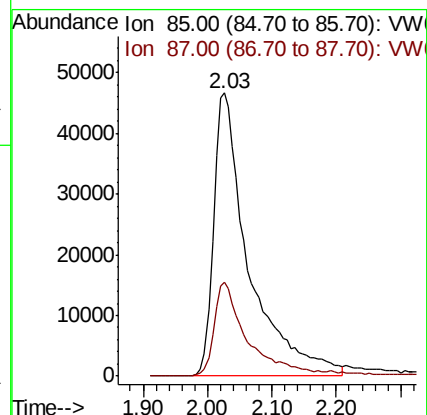
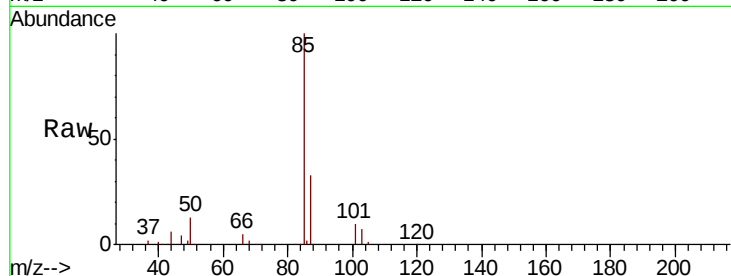
VSTD02508

Tot Ion: 85 Resp: 179041

Ion Ratio Lower Upper

85 100

87 27.7 22.2 41.2



#3

Chloromethane

Concen: 24.415 ug/L

RT: 2.23 min Scan# 53

Delta R.T. 0.00 min

Lab File: VW016649.D

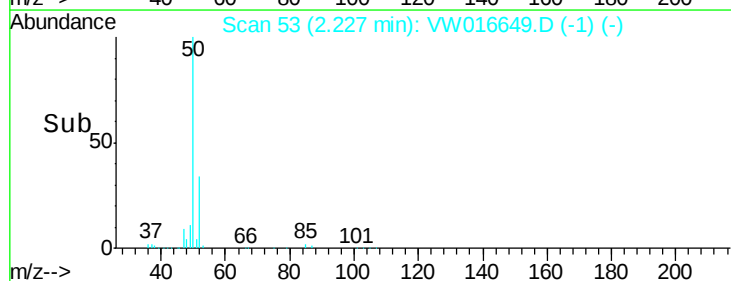
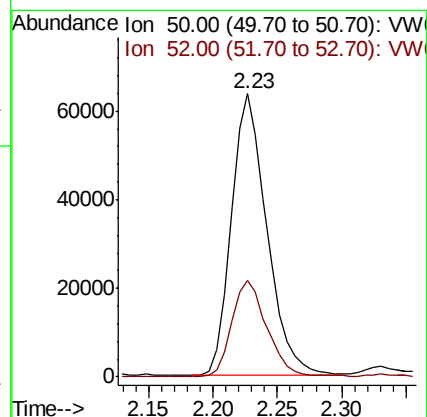
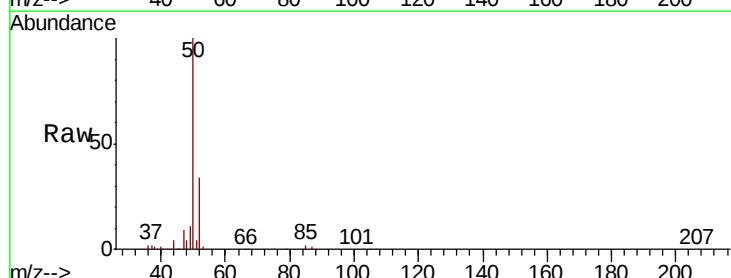
Acq: 24 Sep 2020 19:35

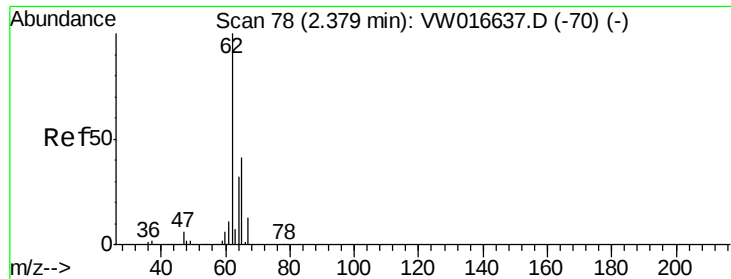
Tgt Ion: 50 Resp: 122440

Ion Ratio Lower Upper

50 100

52 33.9 22.4 41.6





#5

Vinyl chloride

Concen: 24.132 ug/L

RT: 2.38 min Scan# 78

Delta R.T. 0.00 min

Lab File: VW016649.D

Acq: 24 Sep 2020 19:35

Instrument :

MSVOA_W

ClientSampleId :

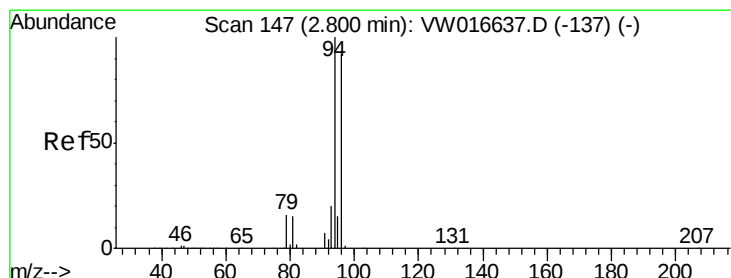
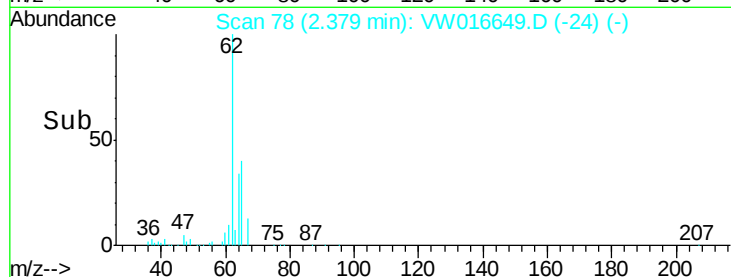
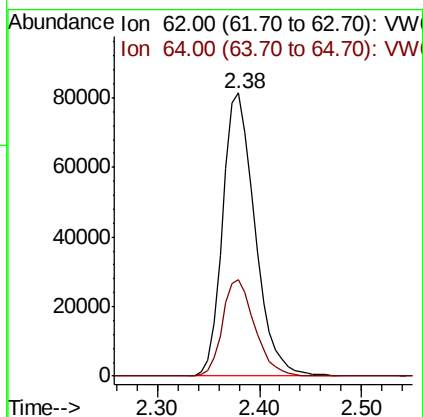
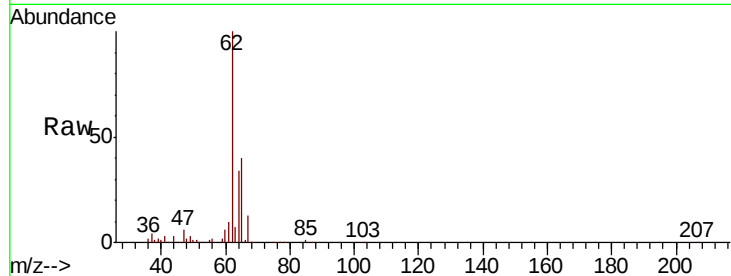
VSTD02508

Tot Ion: 62 Resp: 178584

Ion Ratio Lower Upper

62 100

64 34.0 23.4 43.4



#6

Bromomethane

Concen: 23.178 ug/L

RT: 2.79 min Scan# 146

Delta R.T. -0.01 min

Lab File: VW016649.D

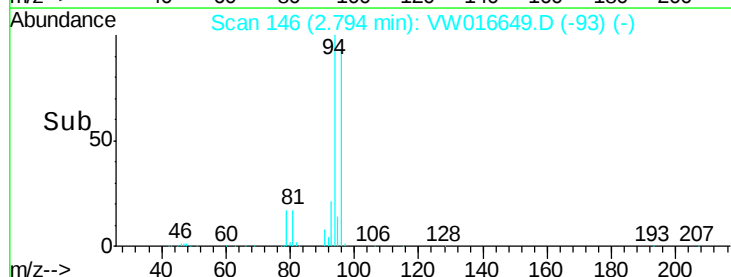
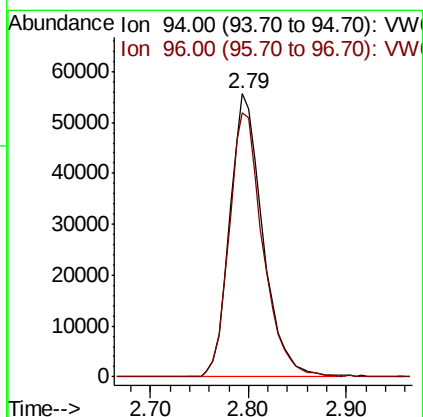
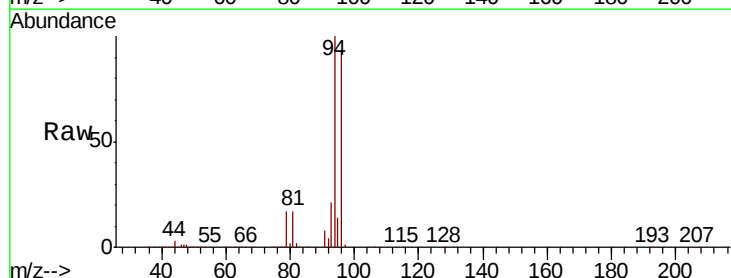
Acq: 24 Sep 2020 19:35

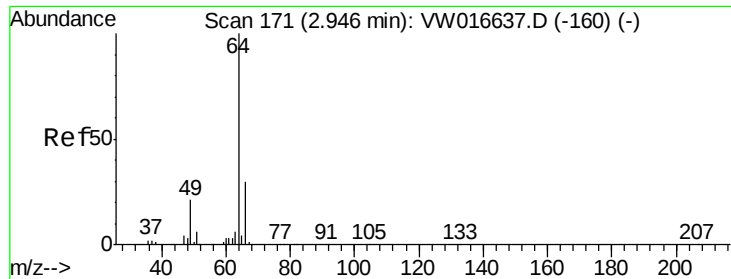
Tgt Ion: 94 Resp: 130155

Ion Ratio Lower Upper

94 100

96 95.2 9.6 181.6





#8

Chloroethane

Concen: 24.152 ug/L

RT: 2.93 min Scan# 169

Delta R.T. -0.01 min

Lab File: VW016649.D

Acq: 24 Sep 2020 19:35

Instrument :

MSVOA_W

ClientSampleId :

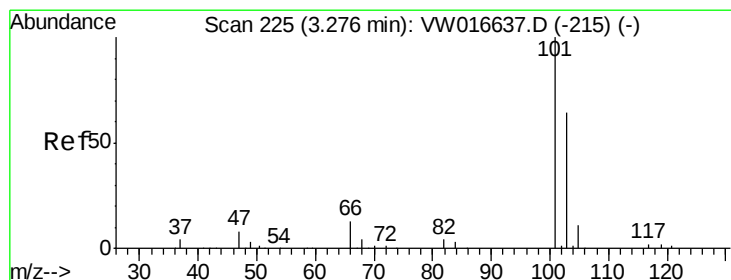
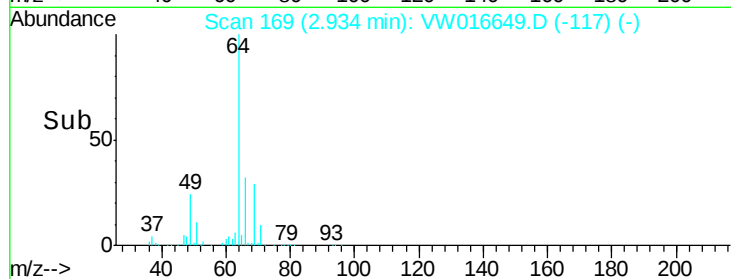
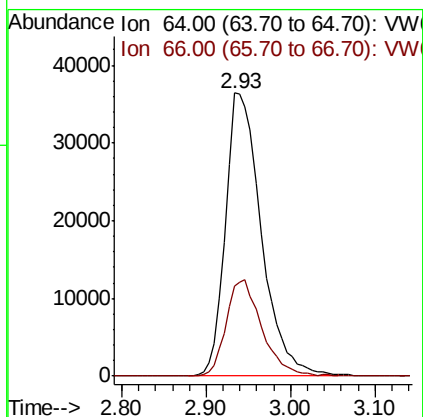
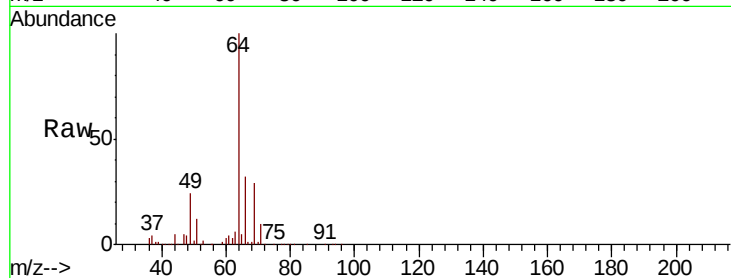
VSTD02508

Tot Ion: 64 Resp: 105734

Ion Ratio Lower Upper

64 100

66 32.0 23.2 43.2



#9

Trichlorofluoromethane

Concen: 23.869 ug/L

RT: 3.28 min Scan# 225

Delta R.T. 0.00 min

Lab File: VW016649.D

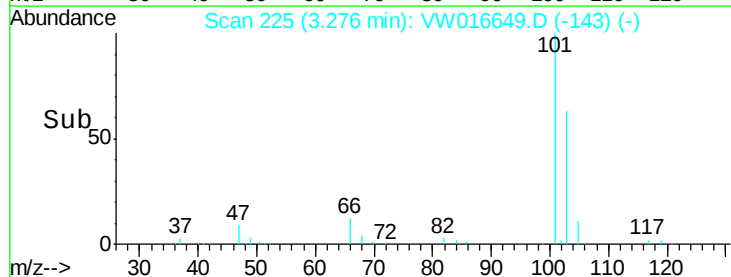
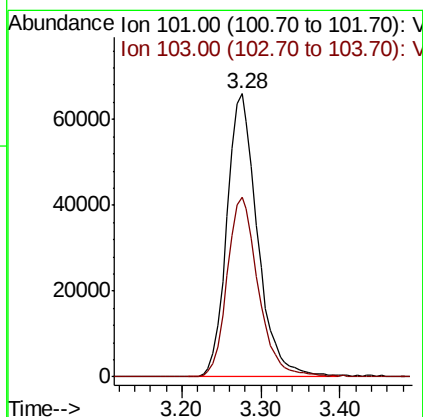
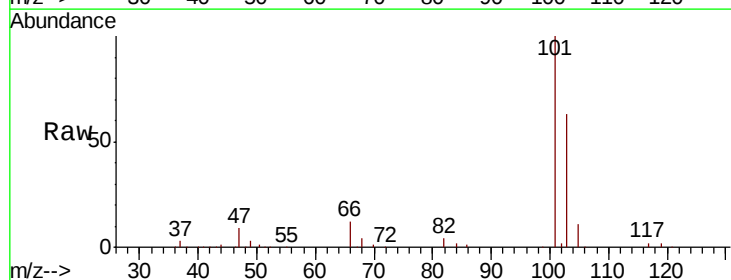
Acq: 24 Sep 2020 19:35

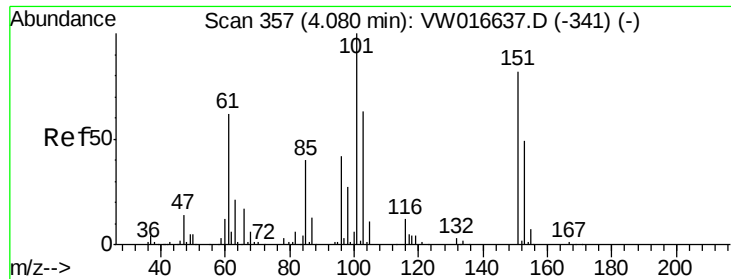
Tgt Ion: 101 Resp: 178089

Ion Ratio Lower Upper

101 100

103 64.6 45.2 84.0





#11

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

Concen: 26.117 ug/L

RT: 4.08 min Scan# 357

Delta R.T. 0.00 min

Lab File: VW016649.D

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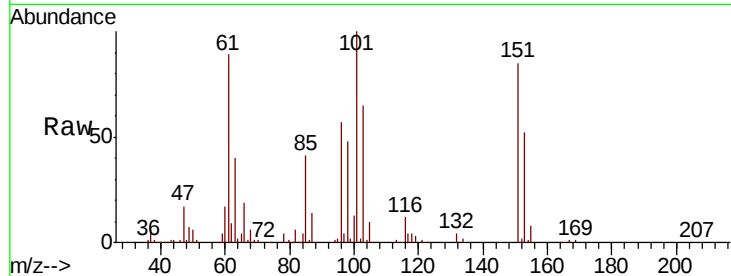
Tot Ion:101 Resp: 186681

Ion Ratio Lower Upper

101 100

85 42.6 32.6 49.0

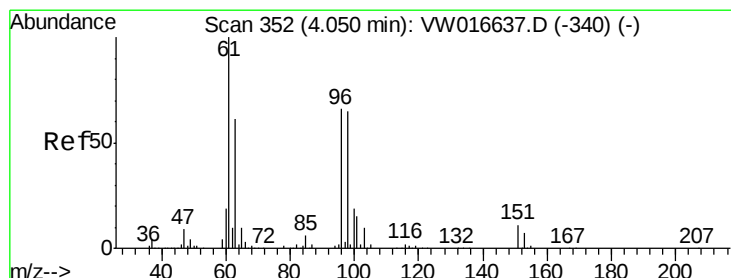
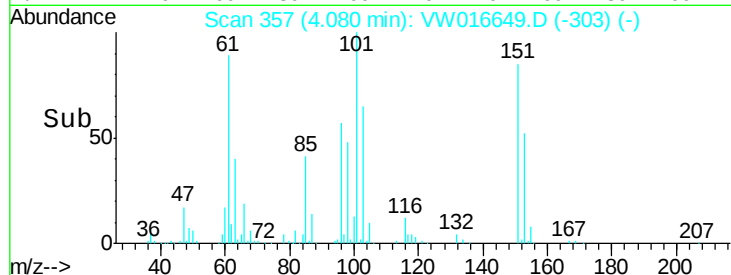
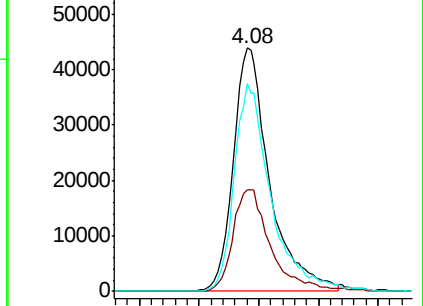
151 82.1 66.0 99.0



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: 25.773 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW016649.D

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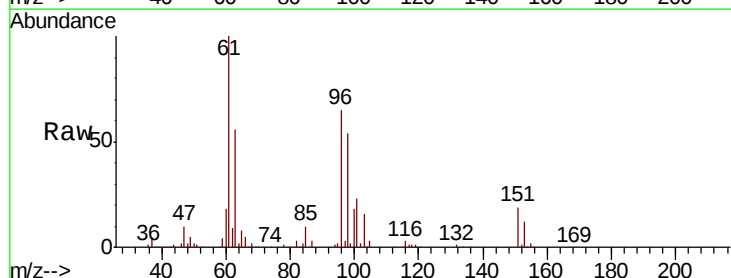
Tgt Ion: 96 Resp: 181115

Ion Ratio Lower Upper

96 100

61 155.0 111.4 206.8

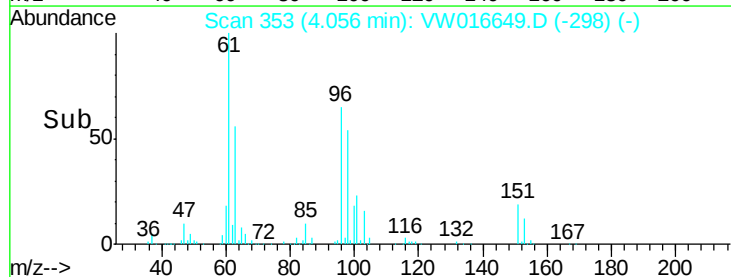
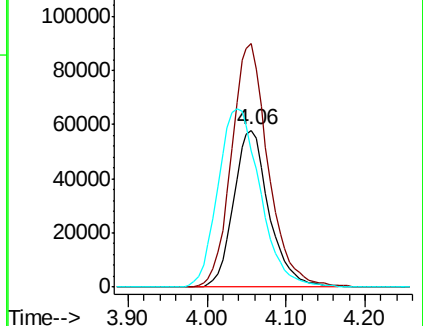
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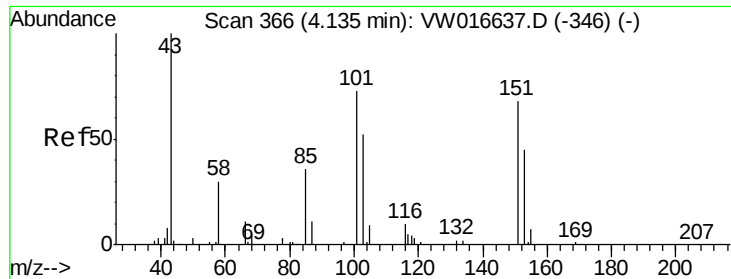


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

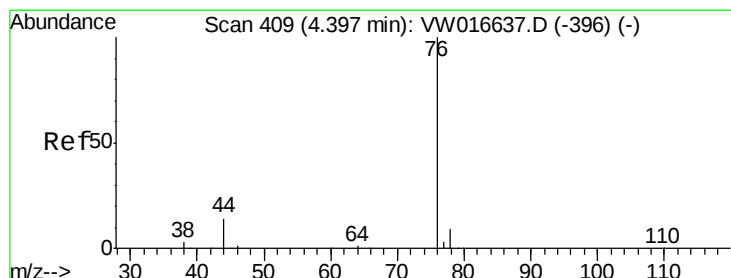
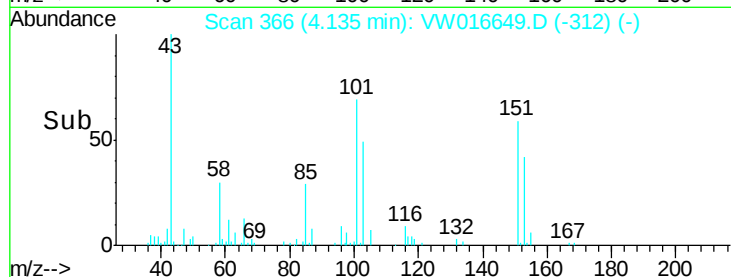
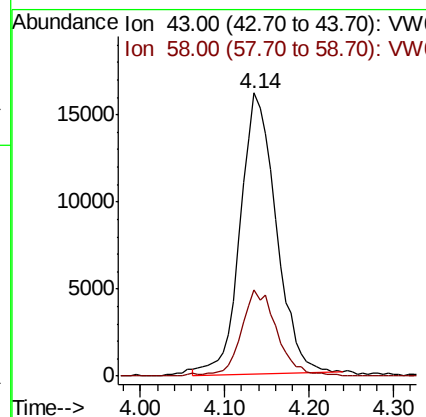
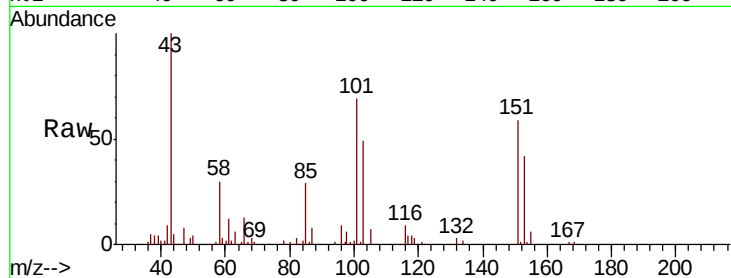




#13
Acetone
Concen: 40.609 ug/L
RT: 4.14 min Scan# 366
Delta R.T. 0.00 min
Lab File: VW016649.D
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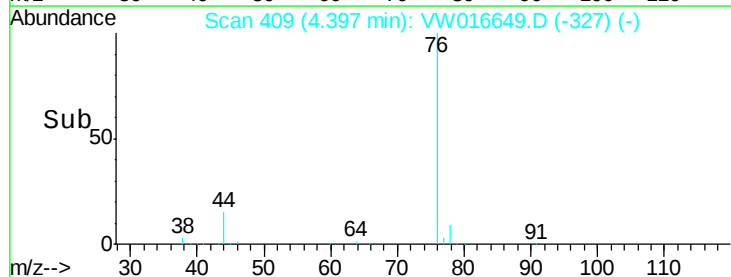
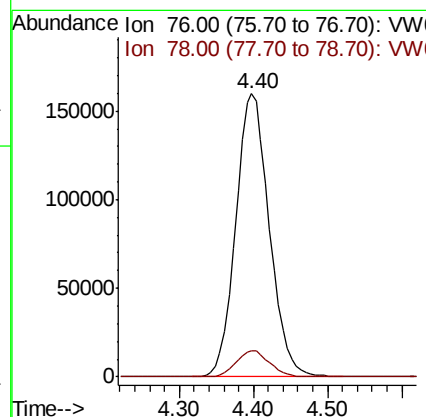
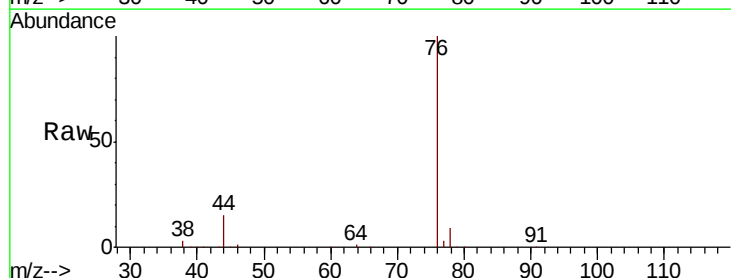
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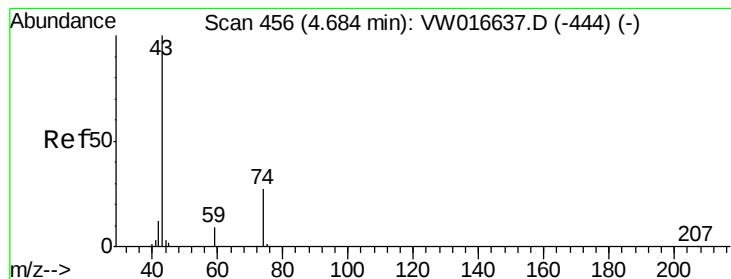
Tot Ion: 43 Resp: 46574
Ion Ratio Lower Upper
43 100
58 29.3 0.0 60.2



#14
Carbon disulfide
Concen: 23.754 ug/L
RT: 4.40 min Scan# 409
Delta R.T. 0.00 min
Lab File: VW016649.D
Acq: 24 Sep 2020 19:35

Tgt Ion: 76 Resp: 503604
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9





#15

Methvl Acetate

Concen: 21.582 ug/L

RT: 4.68 min Scan# 456

Delta R.T. 0.00 min

Lab File: VW016649.D

Acq: 24 Sep 2020 19:35

Instrument :

MSVOA_W

ClientSampleId :

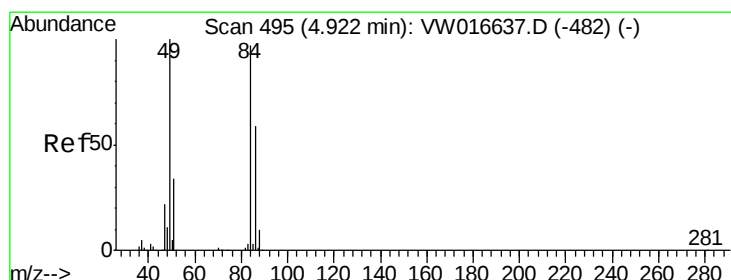
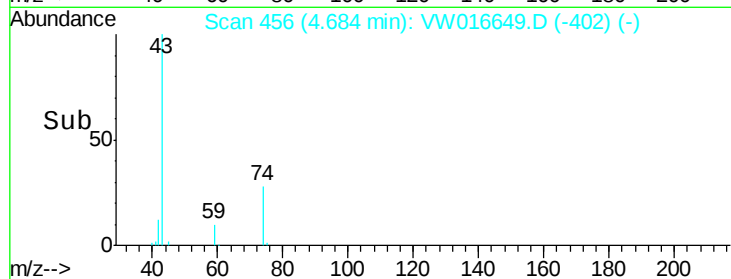
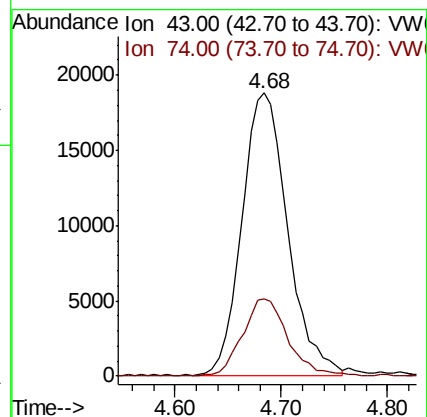
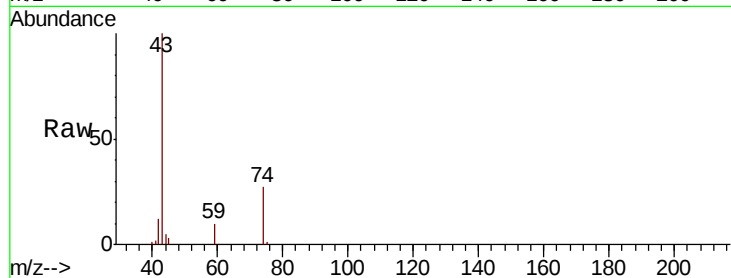
VSTD02508

Tot Ion: 43 Resp: 56362

Ion Ratio Lower Upper

43 100

74 26.4 21.5 32.3



#16

Methylene chloride

Concen: 21.591 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW016649.D

Acq: 24 Sep 2020 19:35

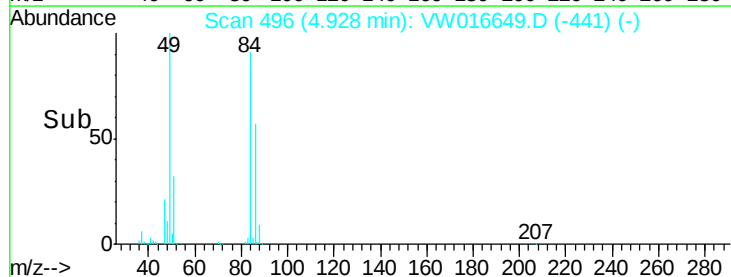
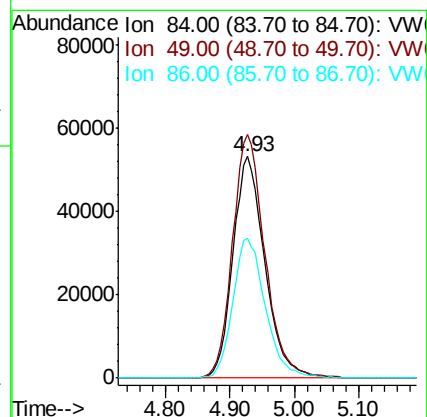
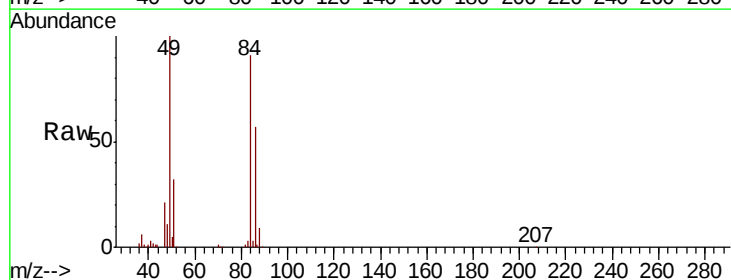
Tgt Ion: 84 Resp: 184746

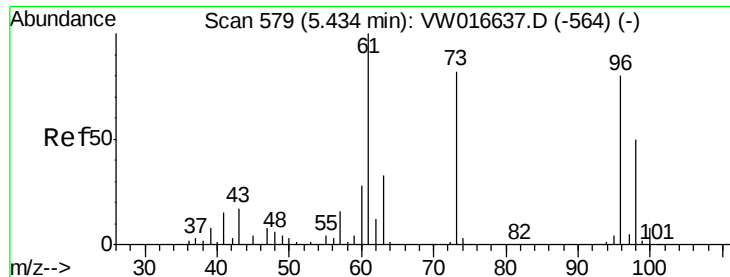
Ion Ratio Lower Upper

84 100

49 109.9 76.0 141.2

86 63.1 45.6 84.6

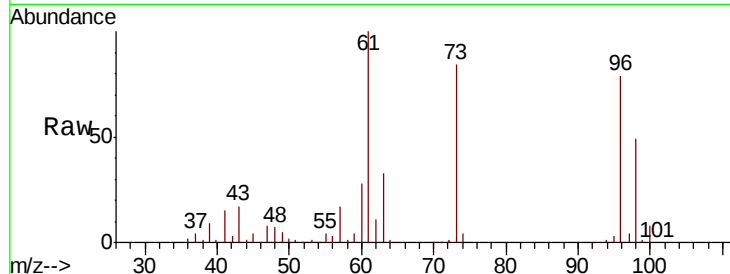




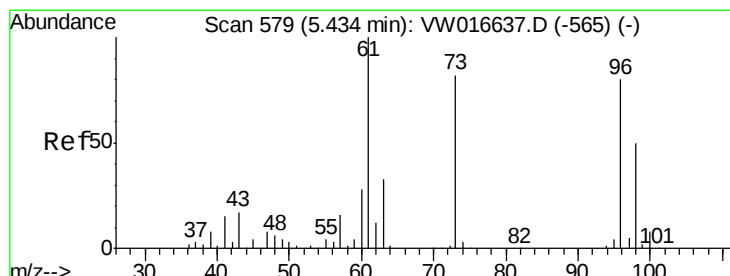
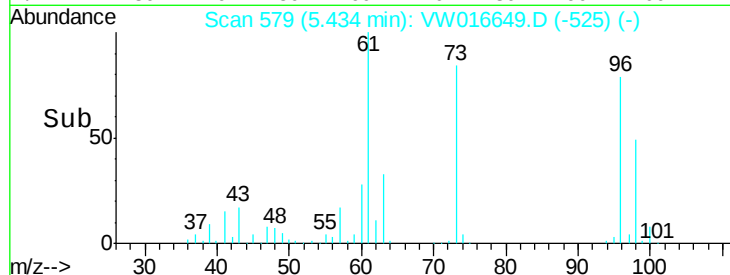
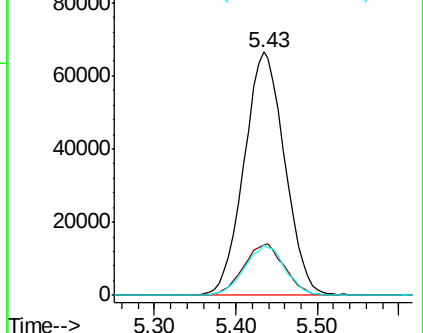
#17
Methvl tert-butvl Ether
Concen: 23.963 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW016649.D
Acq: 24 Sep 2020 19:35

Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

Tot Ion: 73 Resp: 230646
Ion Ratio Lower Upper
73 100
43 21.4 17.2 25.8
57 20.4 16.3 24.5

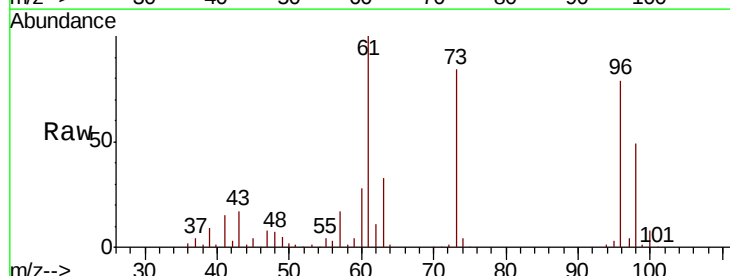


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

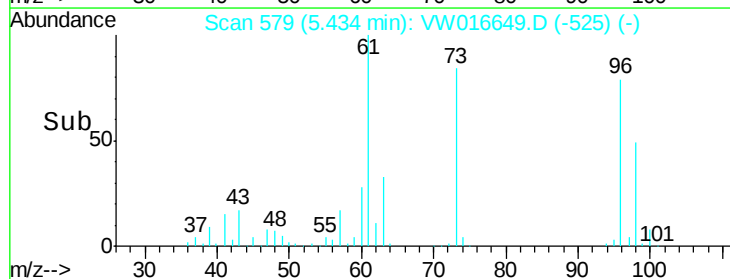
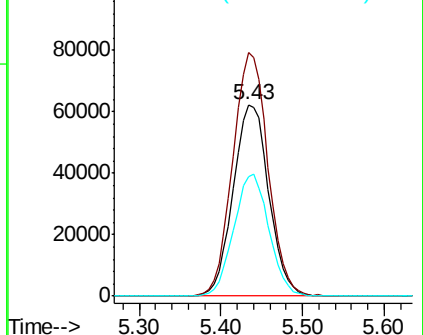


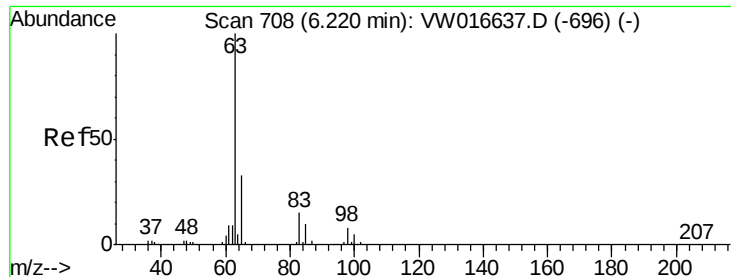
#18
trans-1,2-Dichloroethene
Concen: 25.962 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW016649.D
Acq: 24 Sep 2020 19:35

Tgt Ion: 96 Resp: 188938
Ion Ratio Lower Upper
96 100
61 127.0 88.4 164.2
98 62.3 43.0 80.0



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

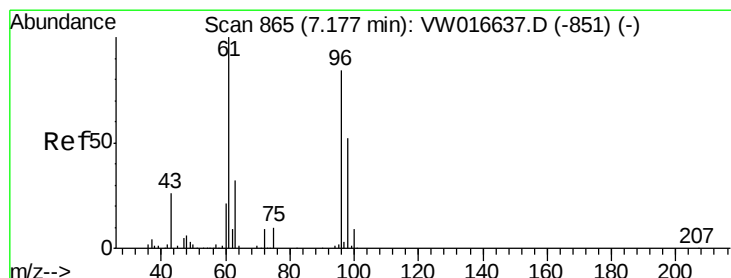
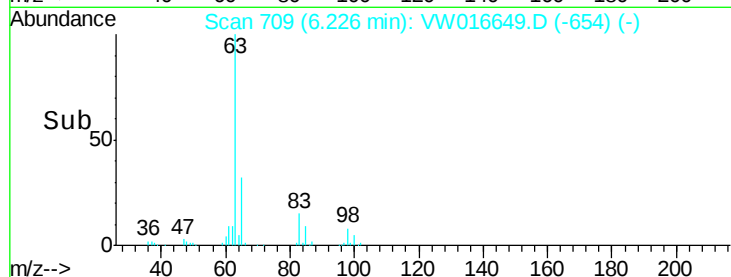
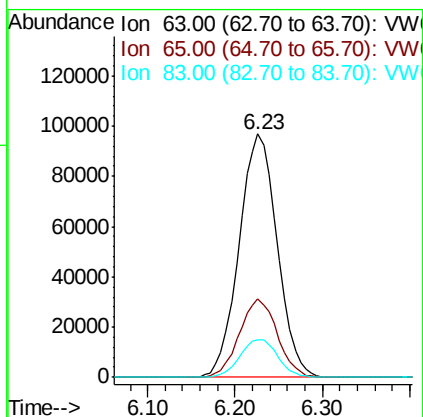
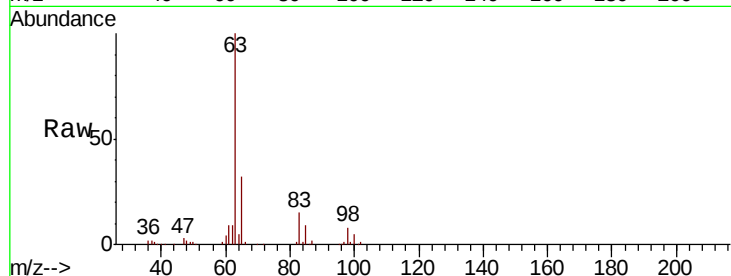




#19
 1,1-Dichloroethane
 Concen: 25.429 ug/L
 RT: 6.23 min Scan# 709
 Delta R.T. 0.01 min
 Lab File: VW016649.D
 Acq: 24 Sep 2020 19:35

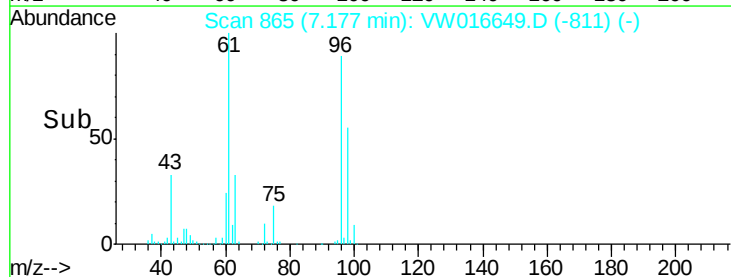
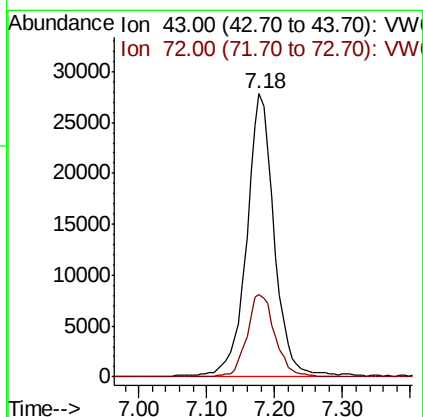
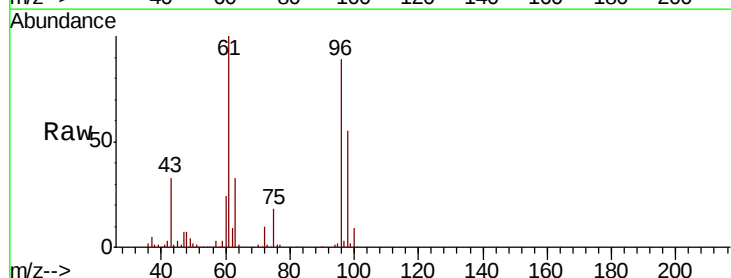
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

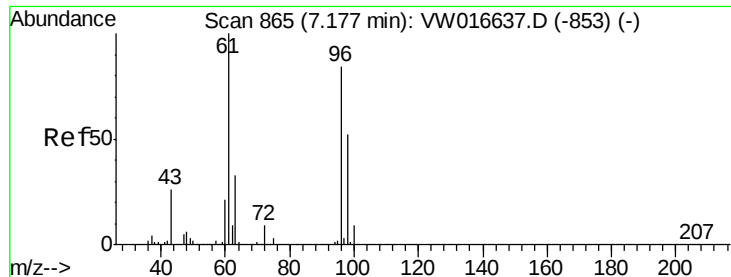
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.4	21.6	40.0
83	15.4	10.4	19.2



#21
 2-Butanone
 Concen: 40.177 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VW016649.D
 Acq: 24 Sep 2020 19:35

Tgt Ion	Ratio	Lower	Upper
43	100		
72	29.7	14.6	43.8



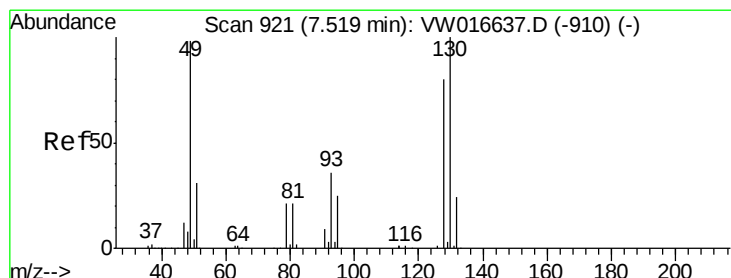
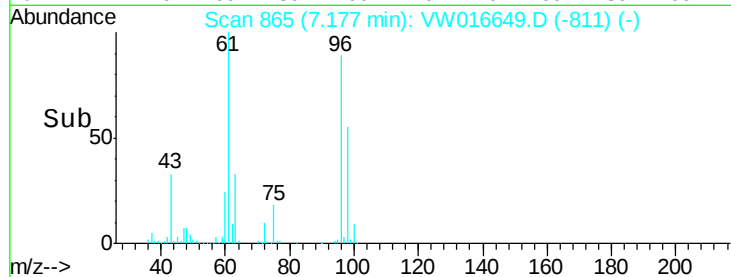
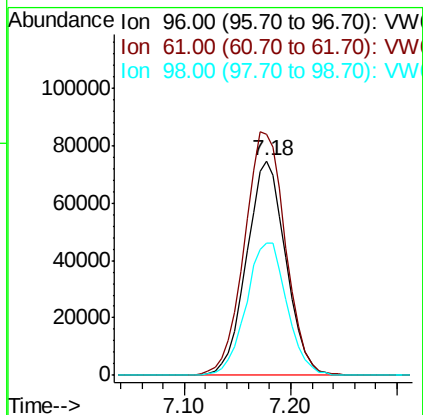
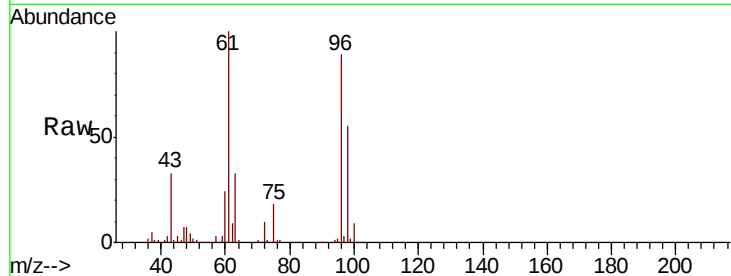


#22

cis-1,2-Dichloroethene
 Concen: 25.564 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VW016649.D
 Acq: 24 Sep 2020 19:35

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02508

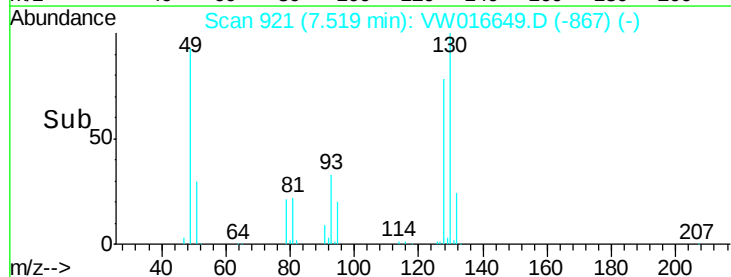
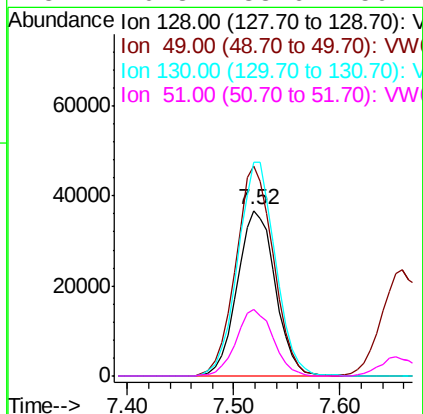
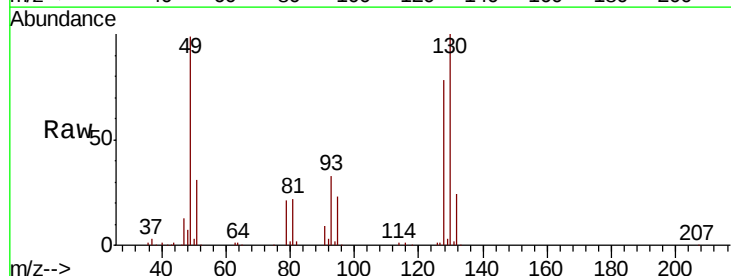
Tot Ion: 96 Resp: 193028
 Ion Ratio Lower Upper
 96 100
 61 112.3 78.4 145.6
 98 61.8 44.8 83.2

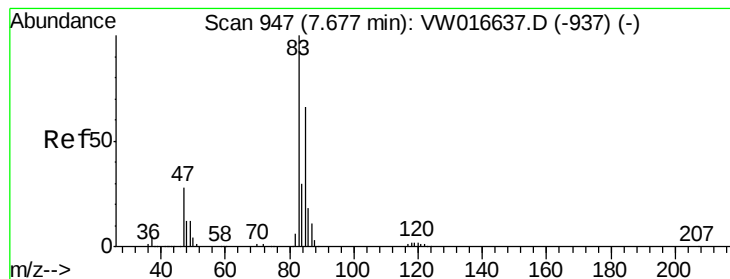


#23

Bromochloromethane
 Concen: 25.091 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VW016649.D
 Acq: 24 Sep 2020 19:35

Tgt Ion: 128 Resp: 92104
 Ion Ratio Lower Upper
 128 100
 49 127.0 92.1 171.1
 130 128.9 87.8 163.0
 51 40.3 33.6 50.4





#25

Chloroform

Concen: 25.925 ug/L

RT: 7.68 min Scan# 948

Delta R.T. 0.01 min

Lab File: VW016649.D

Acq: 24 Sep 2020 19:35

Instrument :

MSVOA_W

ClientSampleId :

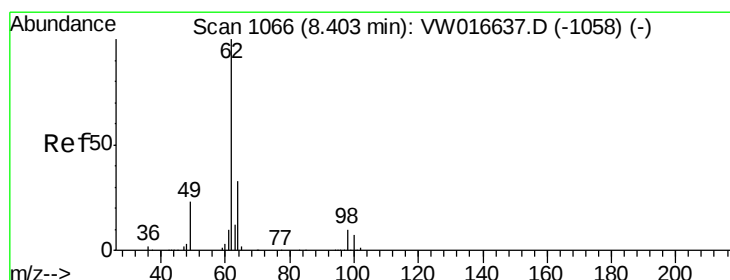
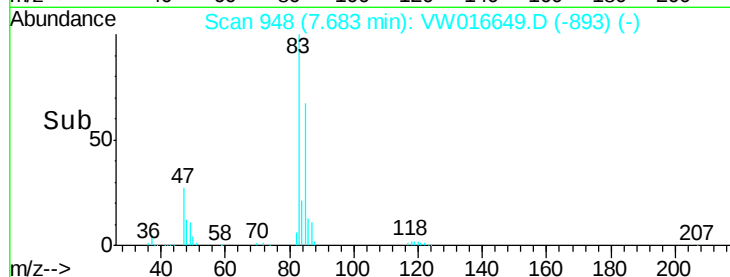
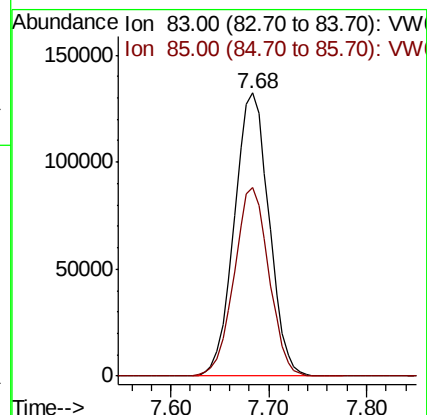
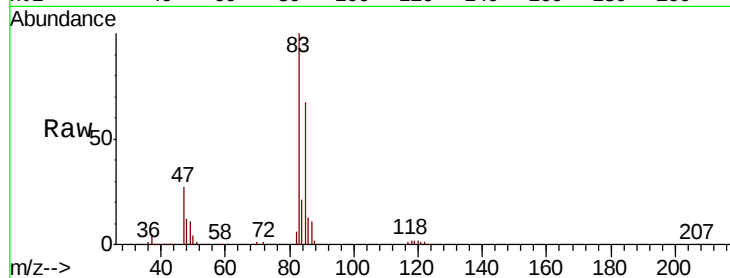
VSTD02508

Tot Ion: 83 Resp: 325296

Ion Ratio Lower Upper

83 100

85 66.7 46.1 85.5



#27

1,2-Dichloroethane

Concen: 25.162 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW016649.D

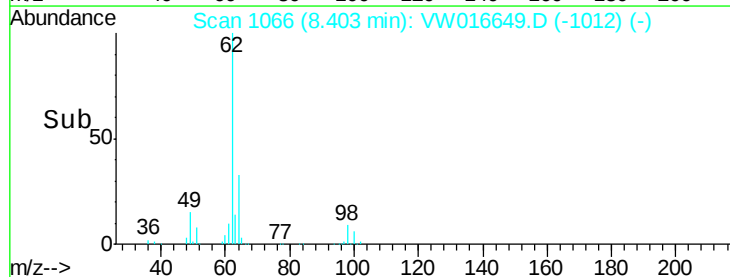
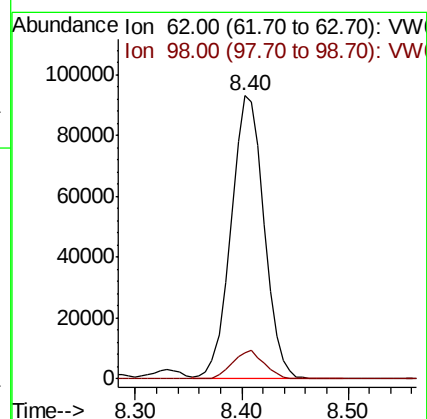
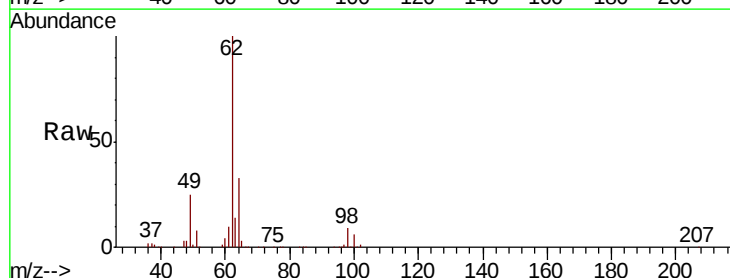
Acq: 24 Sep 2020 19:35

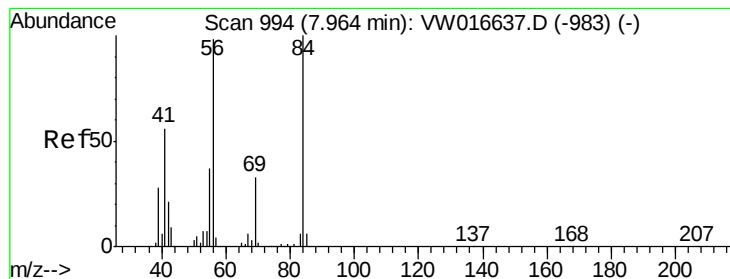
Tgt Ion: 62 Resp: 202574

Ion Ratio Lower Upper

62 100

98 9.2 7.9 11.9





#30

Cyclohexane

Concen: 25.279 ug/L

RT: 7.96 min Scan# 994

Delta R.T. 0.00 min

Lab File: VW016649.D

Acq: 24 Sep 2020 19:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

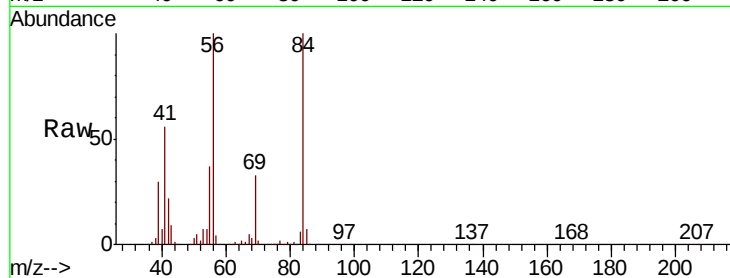
Tot Ion: 56 Resp: 268681

Ion Ratio Lower Upper

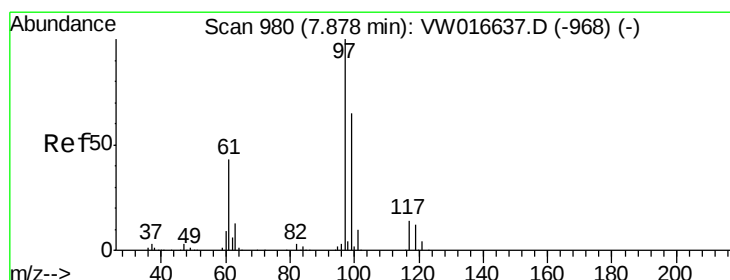
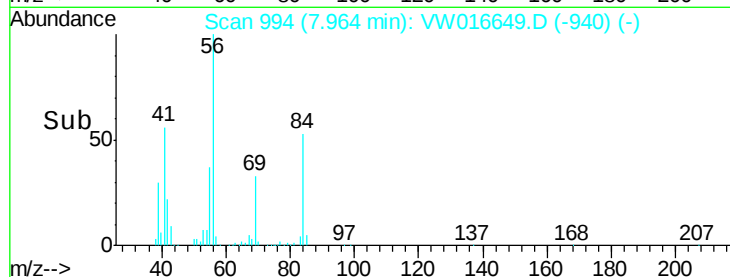
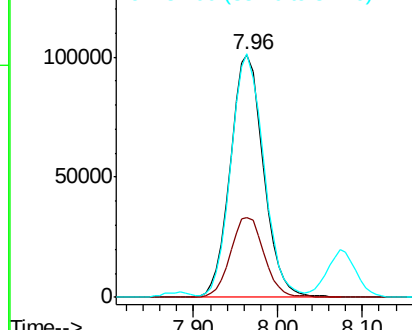
56 100

69 33.5 26.5 39.7

84 99.8 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: 26.533 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW016649.D

Acq: 24 Sep 2020 19:35

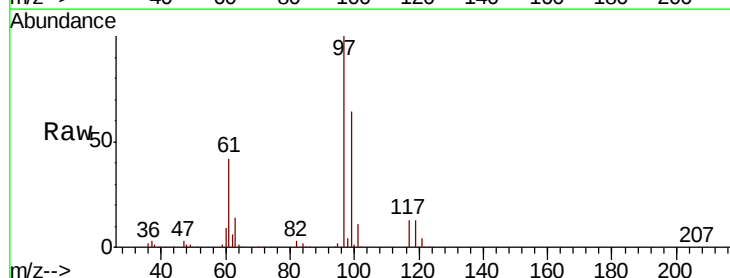
Tgt Ion: 97 Resp: 301386

Ion Ratio Lower Upper

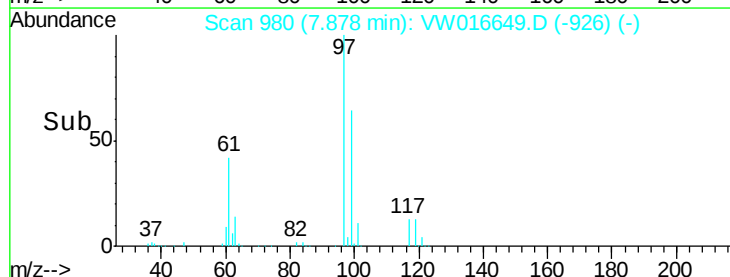
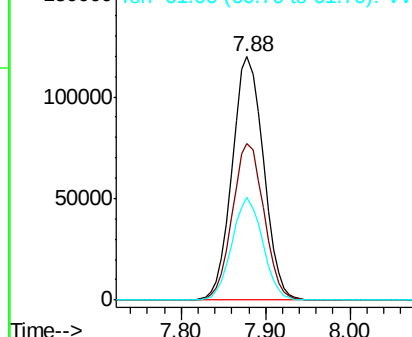
97 100

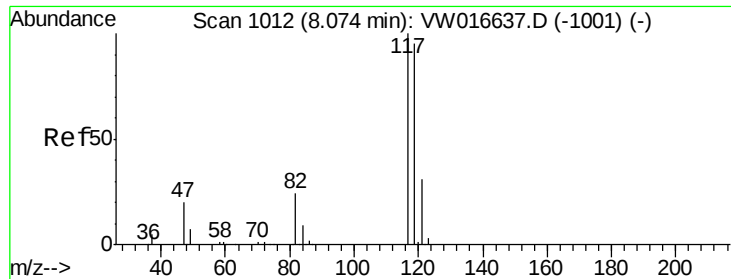
99 64.9 51.8 77.6

61 41.5 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: 26.446 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW016649.D

Acq: 24 Sep 2020 19:35

Instrument :

MSVOA_W

ClientSampleId :

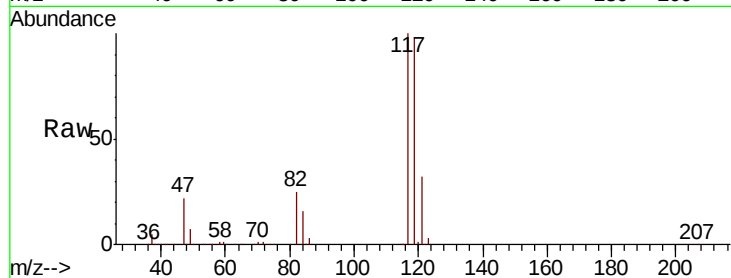
VSTD02508

Tot Ion:117 Resp: 291849

Ion Ratio Lower Upper

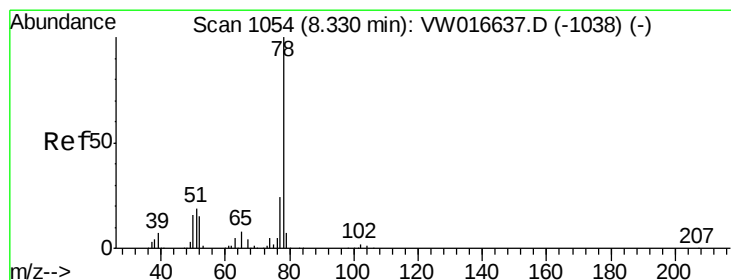
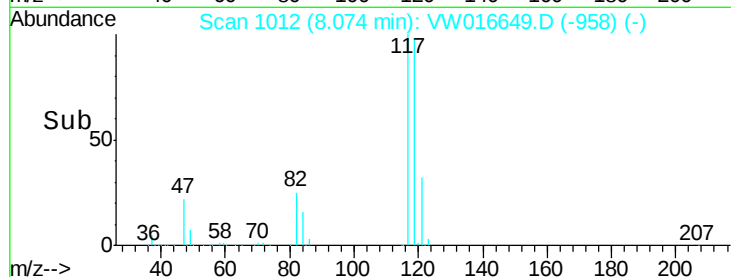
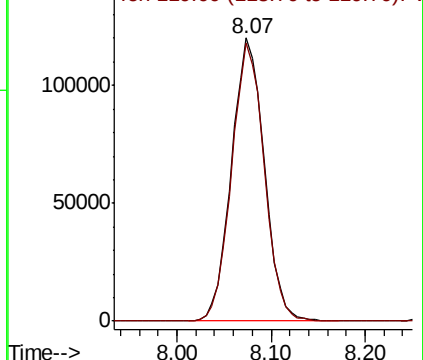
117 100

119 97.4 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.836 ug/L

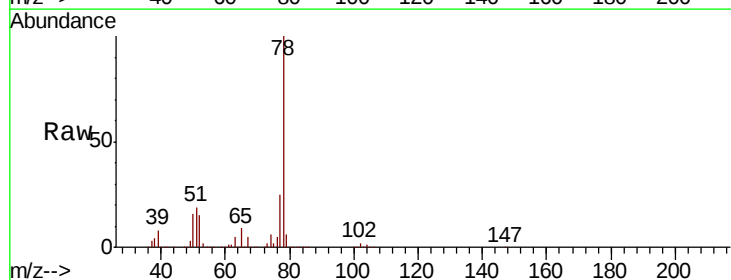
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

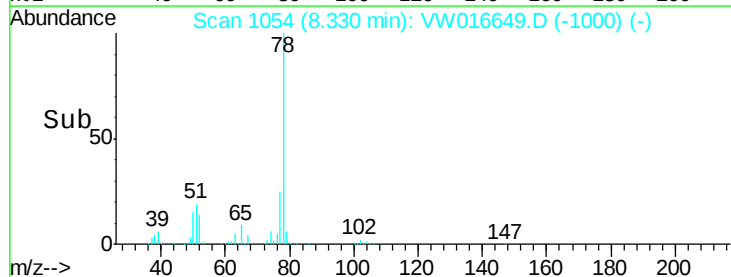
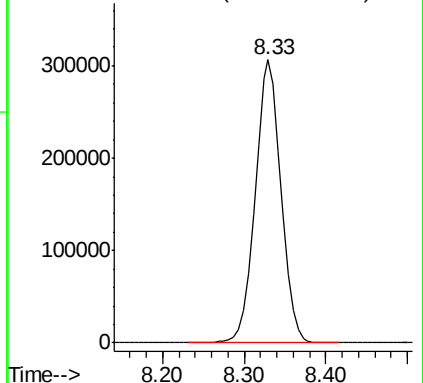
Lab File: VW016649.D

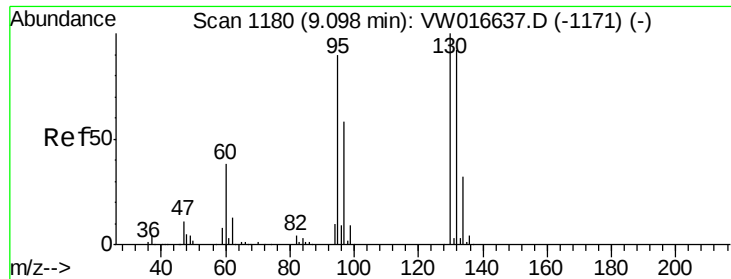
Acq: 24 Sep 2020 19:35

Tgt Ion: 78 Resp: 673517



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 26.523 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW016649.D

Acq: 24 Sep 2020 19:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

Tot Ion: 95 Resp: 200040

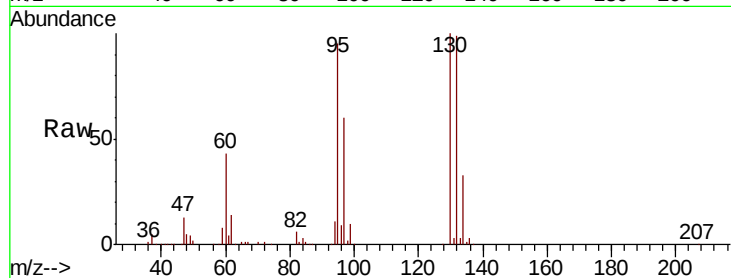
Ion Ratio Lower Upper

95 100

97 64.3 45.2 84.0

132 104.9 73.3 136.1

130 108.2 77.5 143.9

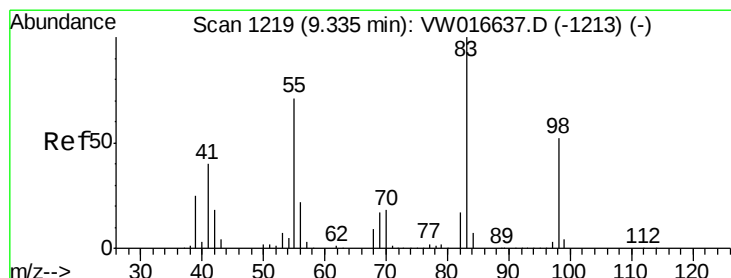
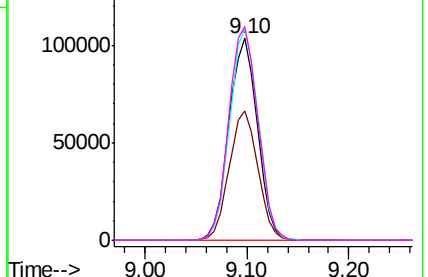
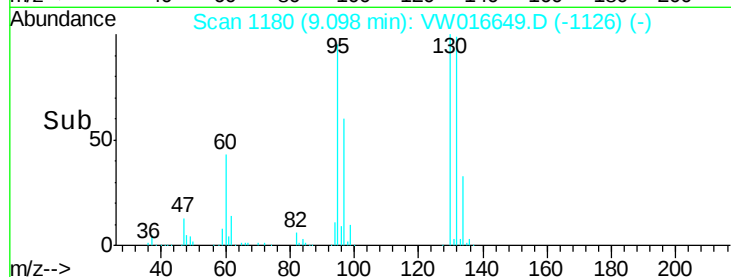


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 25.895 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VW016649.D

Acq: 24 Sep 2020 19:35

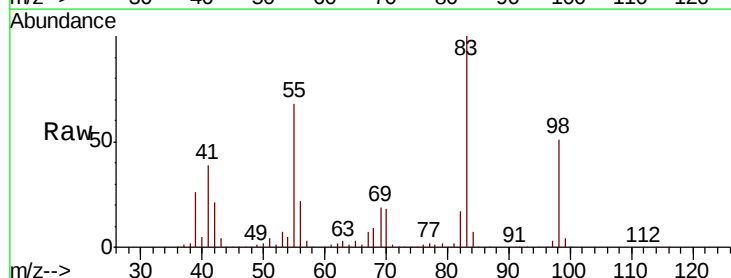
Tgt Ion: 83 Resp: 331272

Ion Ratio Lower Upper

83 100

55 69.2 55.9 83.9

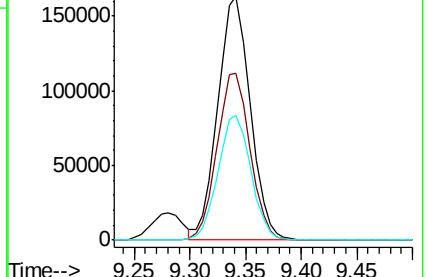
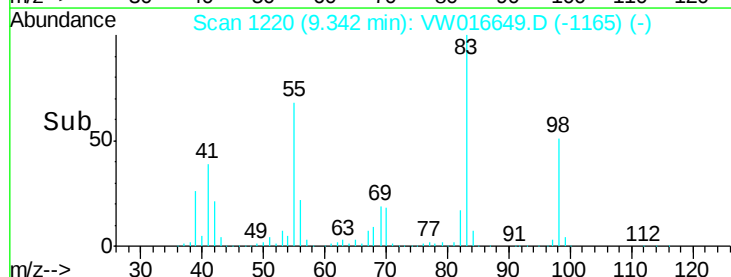
98 51.8 42.1 63.1

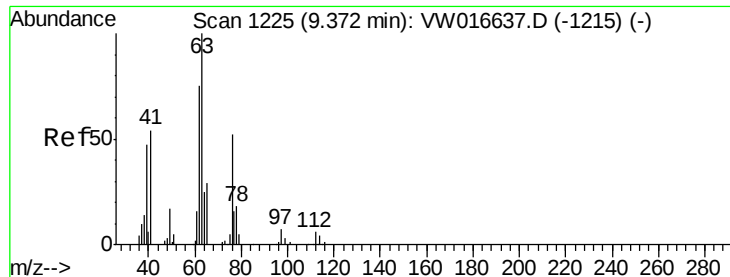


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 25.249 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW016649.D

Acq: 24 Sep 2020 19:35

Instrument :

MSVOA_W

ClientSampleId :

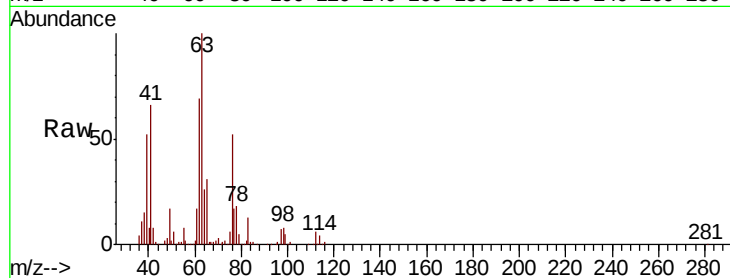
VSTD02508

Tot Ion: 63 Resp: 153083

Ion Ratio Lower Upper

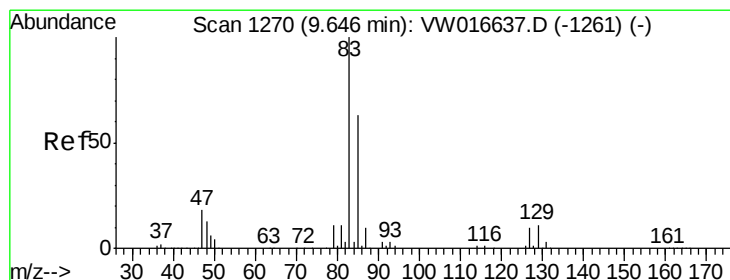
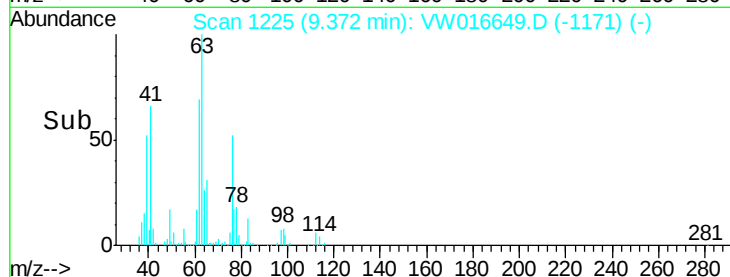
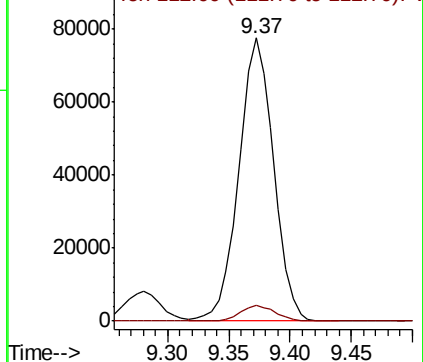
63 100

112 5.5 4.5 6.7



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 25.634 ug/L

RT: 9.65 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VW016649.D

Acq: 24 Sep 2020 19:35

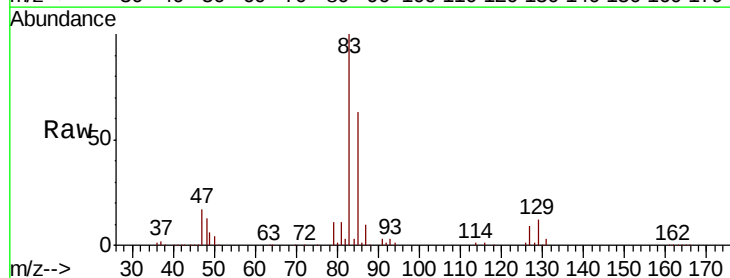
Tgt Ion: 83 Resp: 230317

Ion Ratio Lower Upper

83 100

85 63.5 46.8 86.8

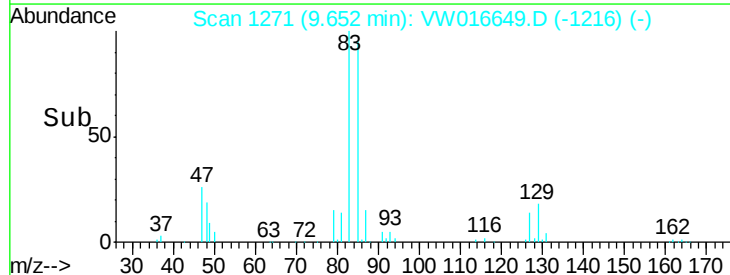
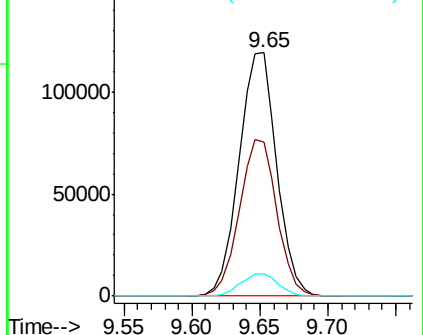
127 9.3 6.8 10.2

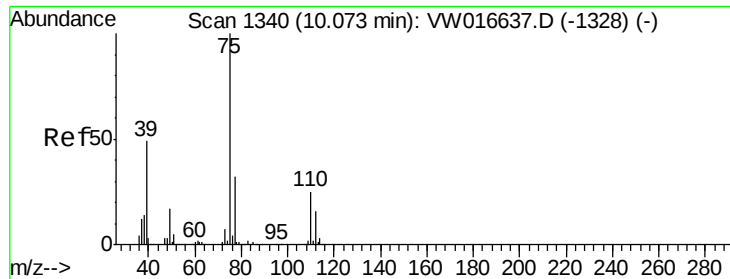


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 24.892 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW016649.D

Acq: 24 Sep 2020 19:35

Instrument :

MSVOA_W

ClientSampleId :

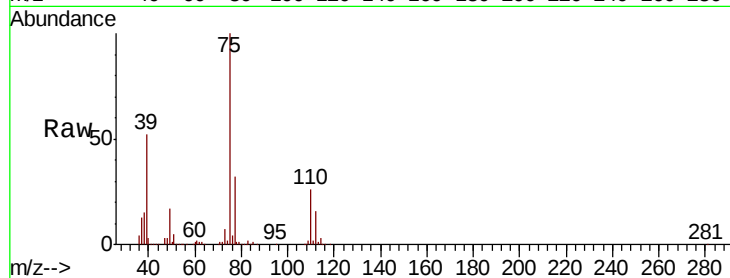
VSTD02508

Tot Ion: 75 Resp: 257789

Ion Ratio Lower Upper

75 100

77 32.3 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

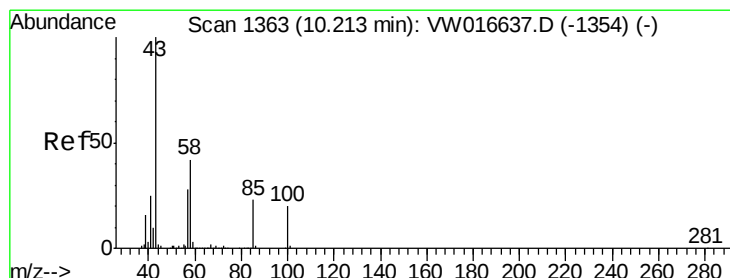
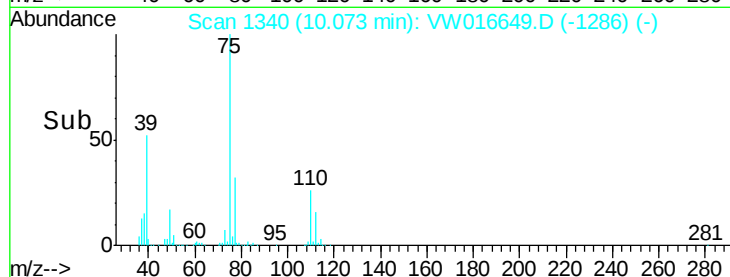
150000

100000

50000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 43.936 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016649.D

Acq: 24 Sep 2020 19:35

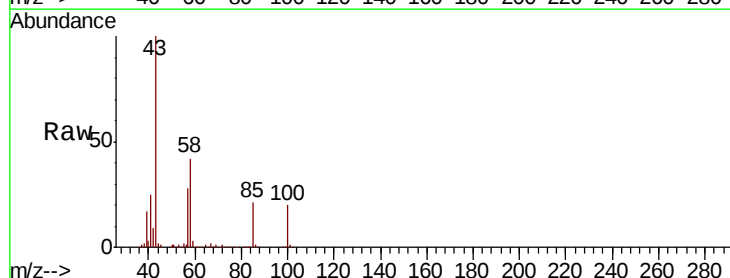
Tgt Ion: 43 Resp: 169246

Ion Ratio Lower Upper

43 100

58 41.5 32.2 48.4

100 20.3 15.8 23.6



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

200000

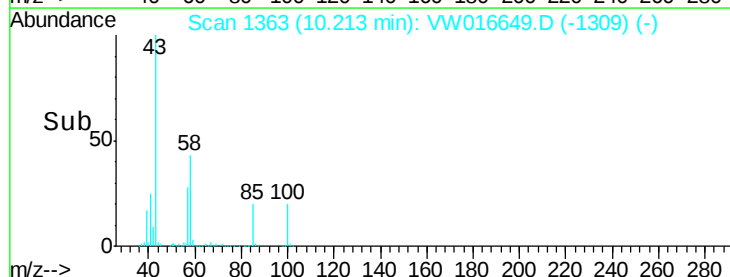
150000

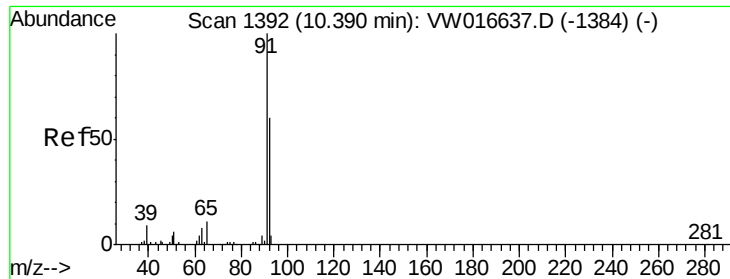
100000

50000

0

Time-->





#44

Toluene

Concen: 26.512 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016649.D

Acq: 24 Sep 2020 19:35

Instrument :

MSVOA_W

ClientSampleId :

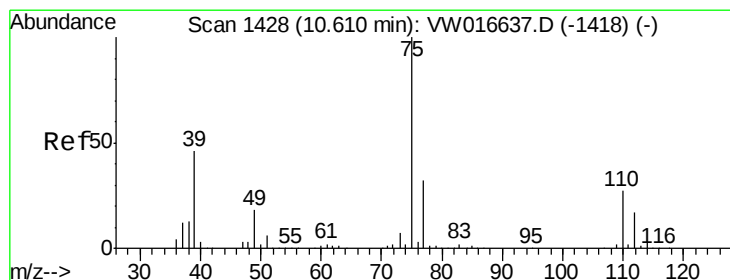
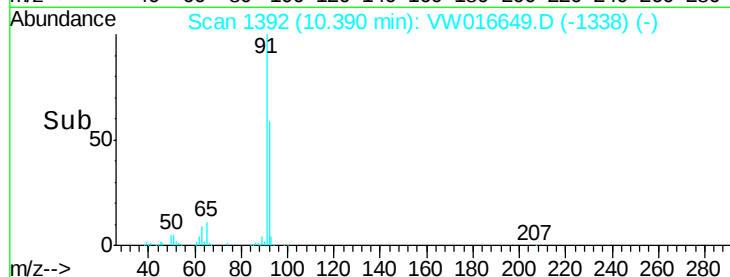
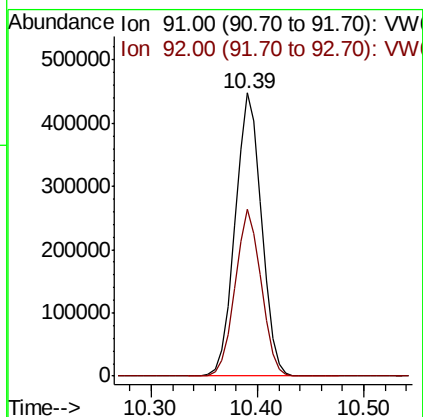
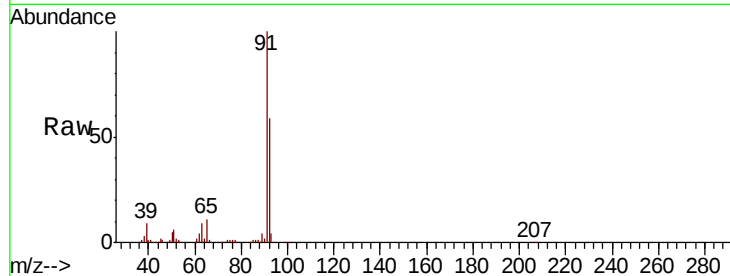
VSTD02508

Tot Ion: 91 Resp: 777149

Ion Ratio Lower Upper

91 100

92 58.9 39.6 73.6



#45

trans-1,3-Dichloropropene

Concen: 24.577 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016649.D

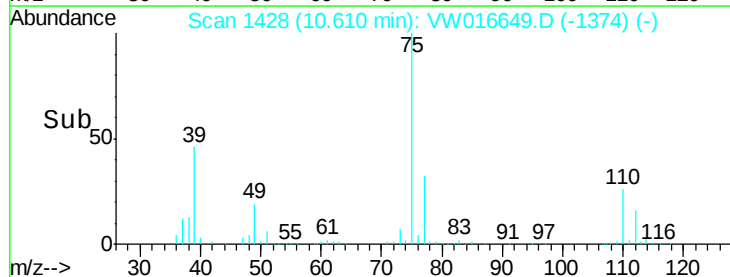
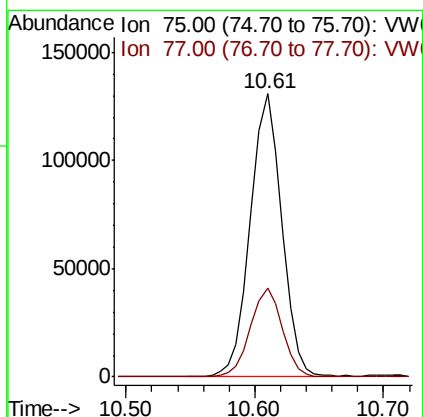
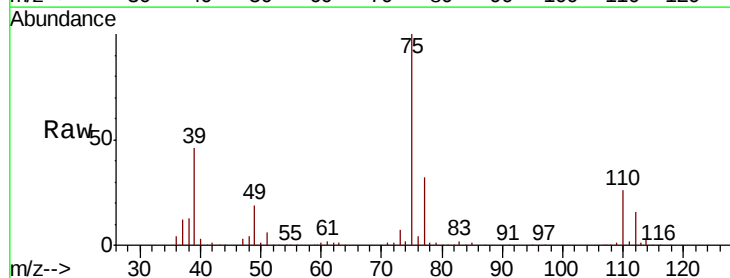
Acq: 24 Sep 2020 19:35

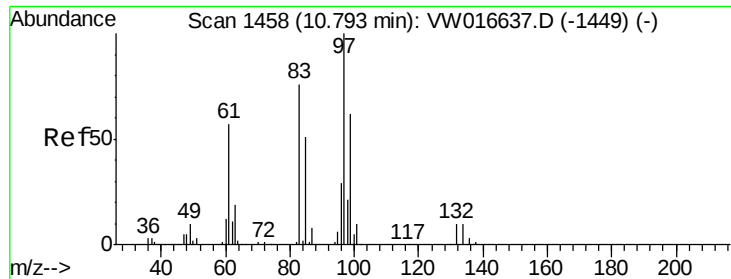
Tgt Ion: 75 Resp: 221448

Ion Ratio Lower Upper

75 100

77 31.6 22.5 41.9

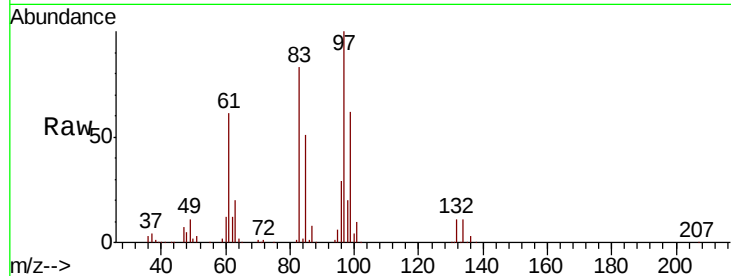




#46
 1,1,2-Trichloroethane
 Concen: 24.815 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW016649.D
 Acq: 24 Sep 2020 19:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

Tot Ion	97	Resp	126752
Ion	Ratio	Lower	Upper
97	100		
83	82.6	55.7	103.5
85	50.8	36.8	68.4
99	62.2	43.7	81.1



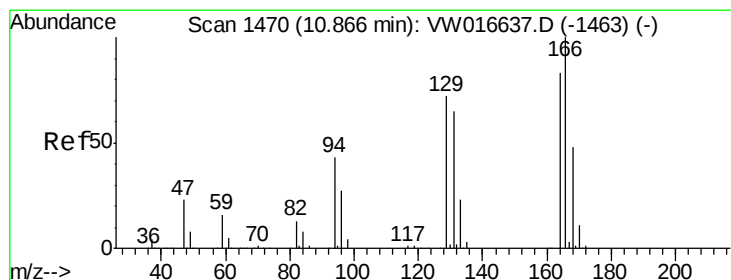
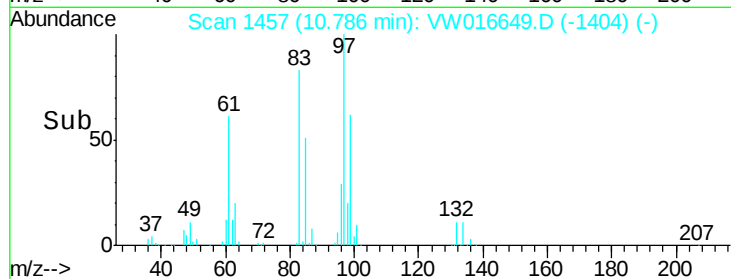
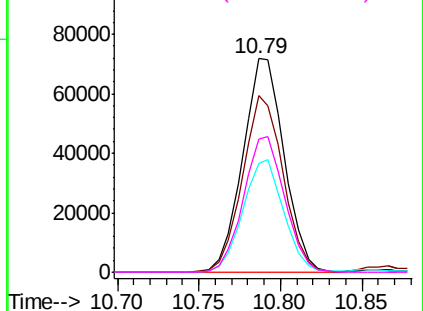
Abundance

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: 27.477 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW016649.D
 Acq: 24 Sep 2020 19:35

Tgt Ion	164	Resp	187128
Ion	Ratio	Lower	Upper
164	100		
129	85.9	55.6	103.2
131	80.9	57.2	106.2
166	120.9	86.5	160.6

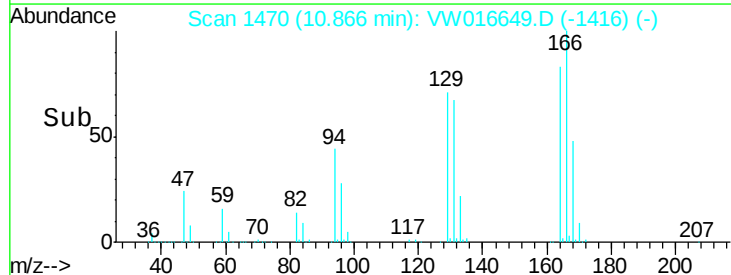
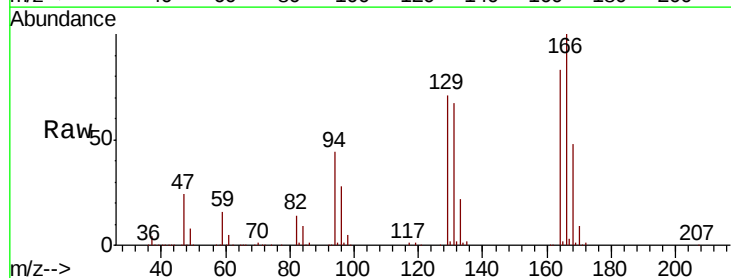
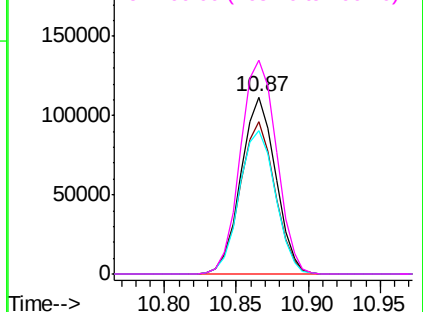
Abundance

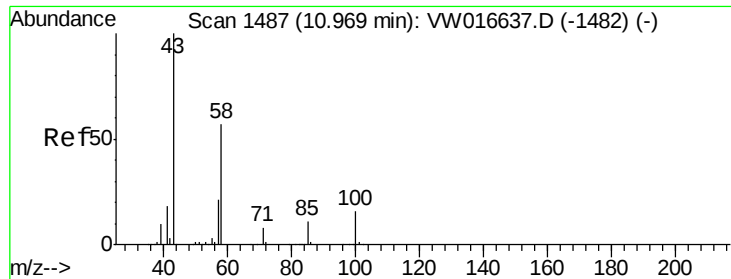
Ion 164.00 (163.70 to 164.70): V

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

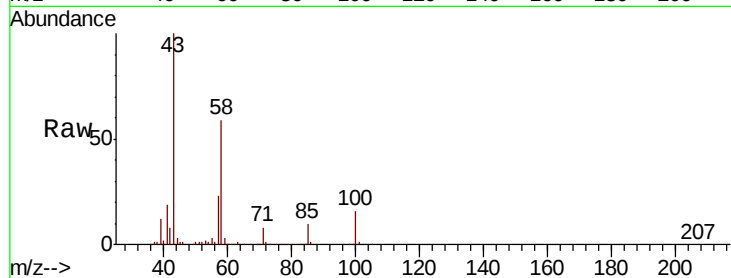




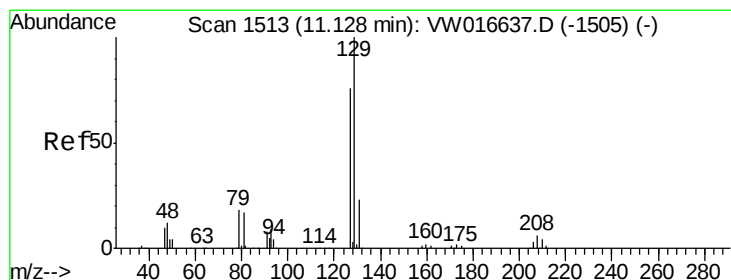
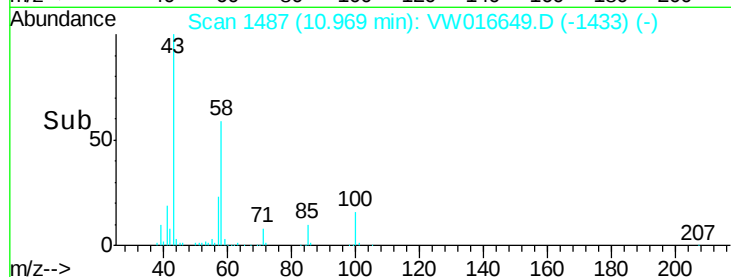
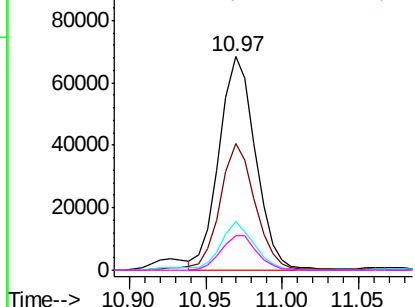
#49
2-Hexanone
Concen: 46.637 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW016649.D
Acq: 24 Sep 2020 19:35

Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

Tot Ion: 43 Resp: 114014
Ion Ratio Lower Upper
43 100
58 57.7 44.2 66.2
57 21.1 16.3 24.5
100 16.1 12.4 18.6

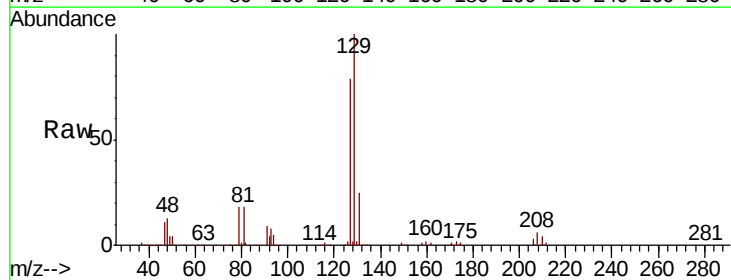


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

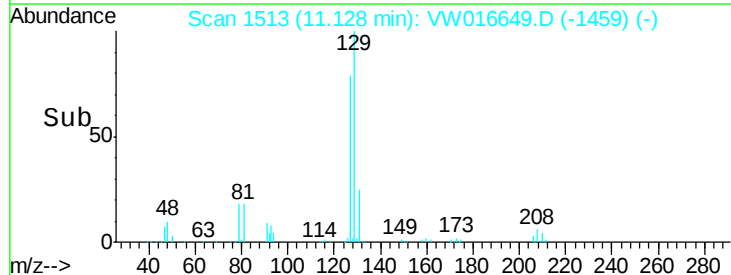
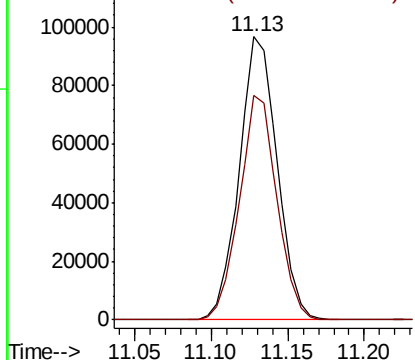


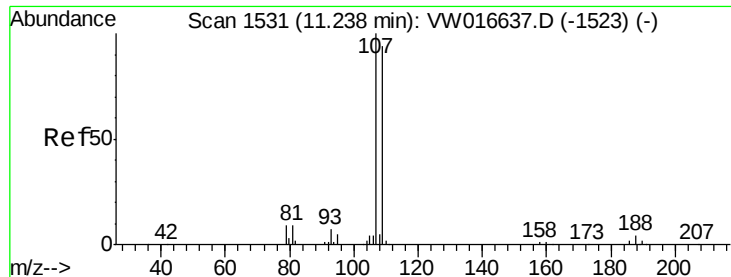
#50
Dibromochloromethane
Concen: 24.952 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW016649.D
Acq: 24 Sep 2020 19:35

Tgt Ion: 129 Resp: 166402
Ion Ratio Lower Upper
129 100
127 79.2 52.4 97.4



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

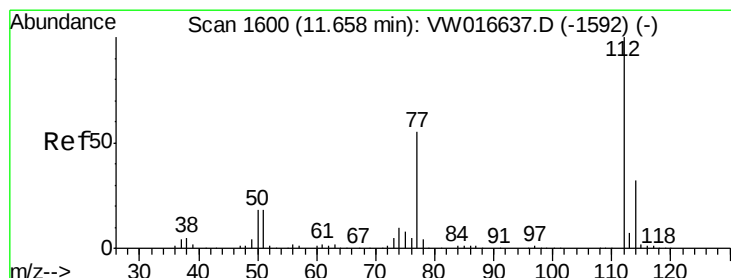
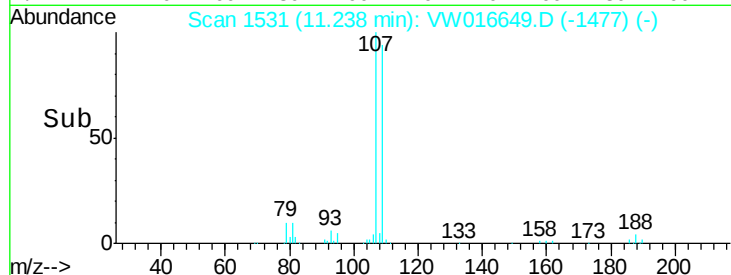
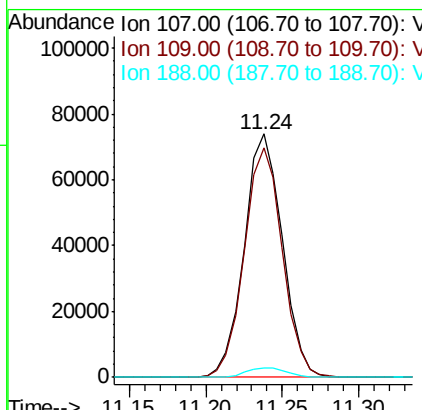
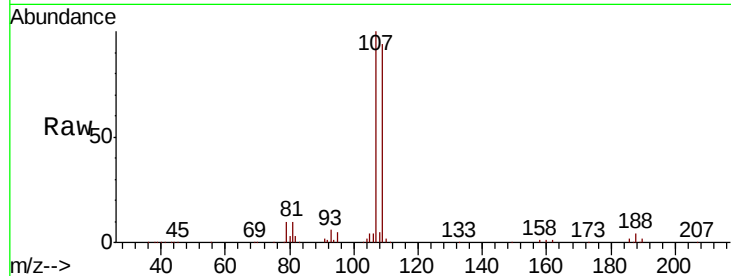




#51
 1,2-Dibromoethane
 Concen: 25.085 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016649.D
 Acq: 24 Sep 2020 19:35

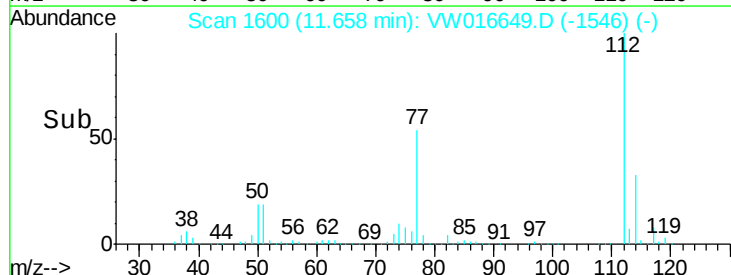
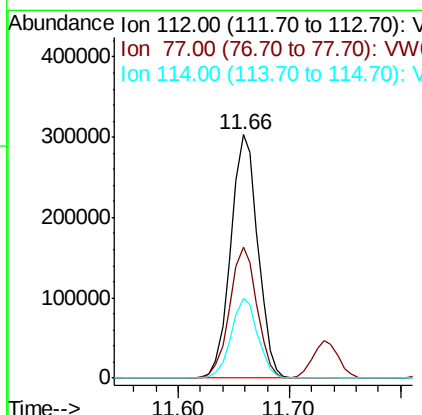
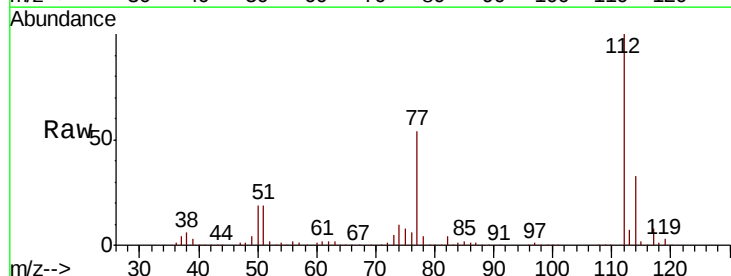
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

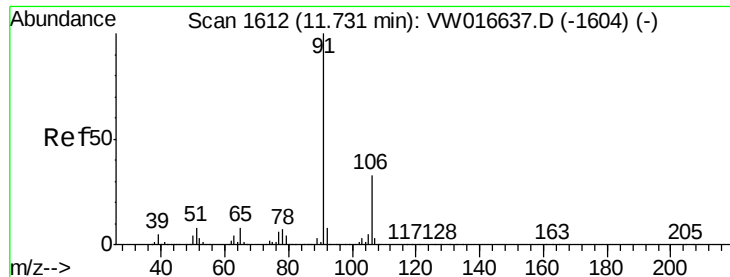
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	63.0	117.0
188	4.0	3.1	4.7



#52
 Chlorobenzene
 Concen: 25.864 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW016649.D
 Acq: 24 Sep 2020 19:35

Tgt Ion	Ratio	Lower	Upper
112	100		
77	54.1	43.1	64.7
114	32.6	22.3	41.3

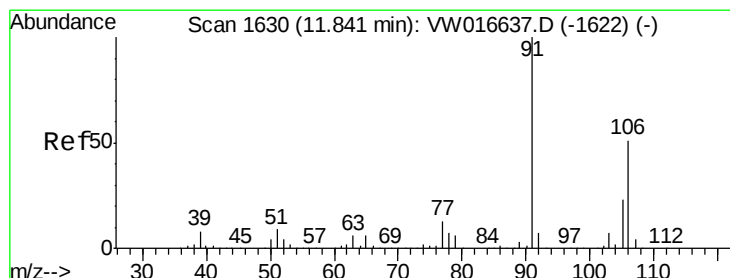
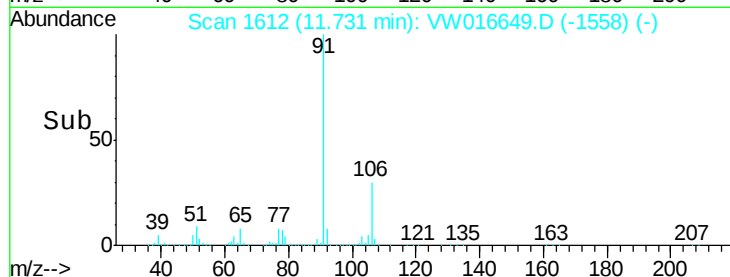
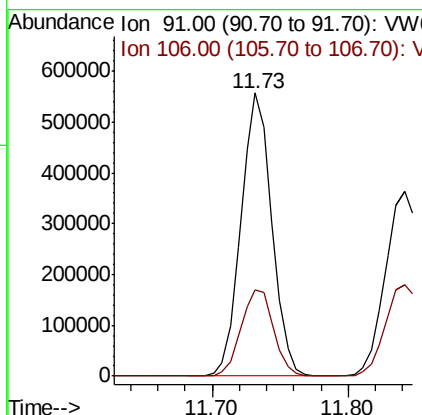
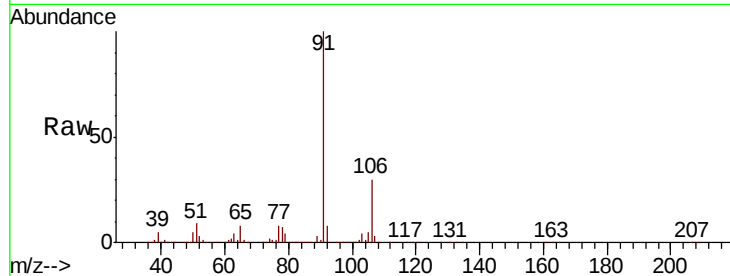




#53
Ethylbenzene
Concen: 26.449 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016649.D
Acq: 24 Sep 2020 19:35

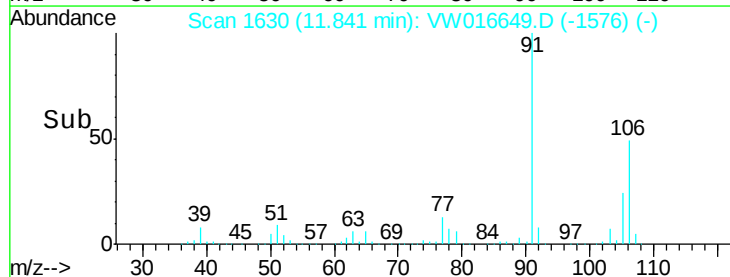
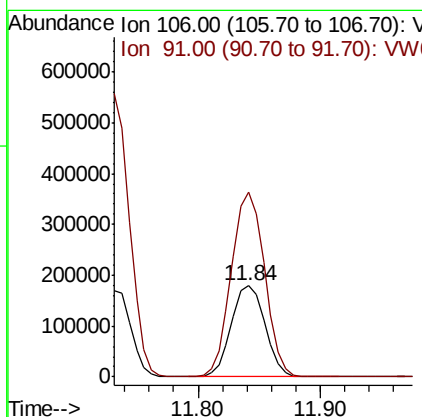
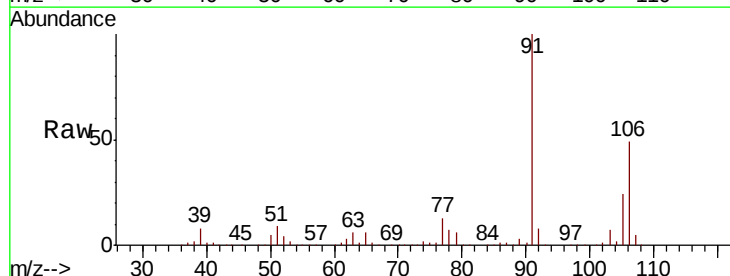
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

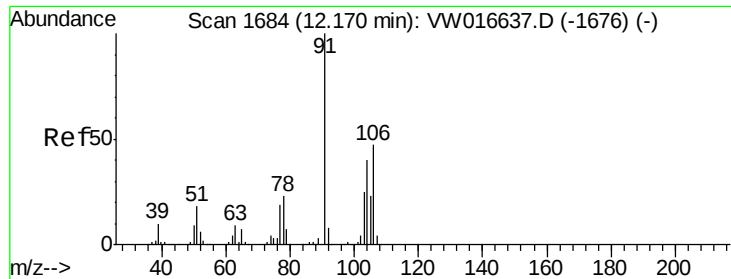
Tot Ion: 91 Resp: 880241
Ion Ratio Lower Upper
91 100
106 30.3 20.7 38.5



#54
m,p-Xylene
Concen: 26.339 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016649.D
Acq: 24 Sep 2020 19:35

Tgt Ion: 106 Resp: 343244
Ion Ratio Lower Upper
106 100
91 202.5 139.7 259.5

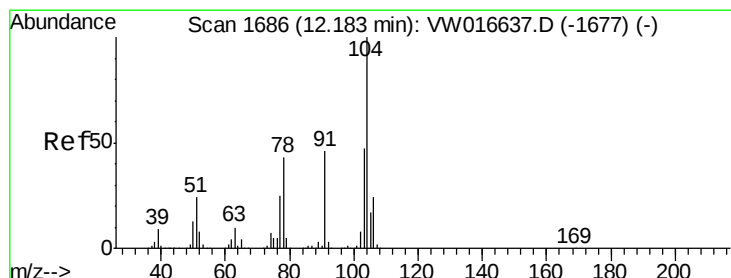
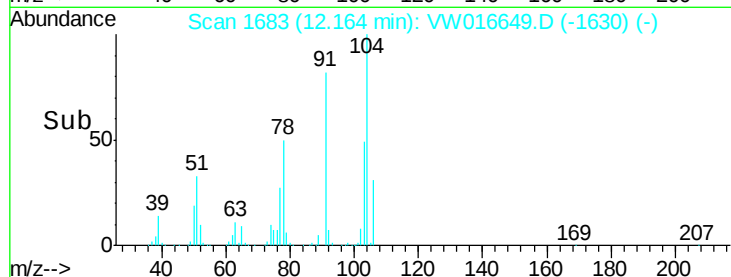
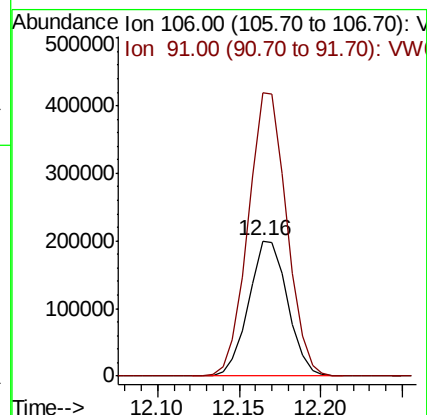
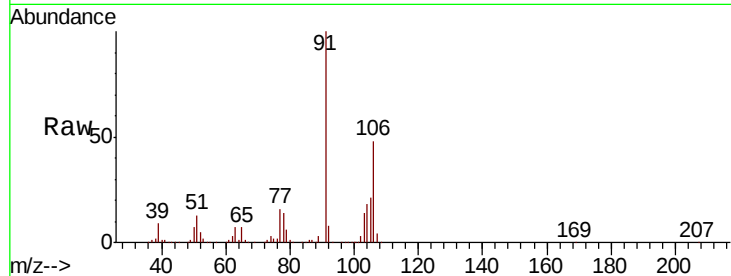




#55
o-xylene
Concen: 26.506 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW016649.D
Acq: 24 Sep 2020 19:35

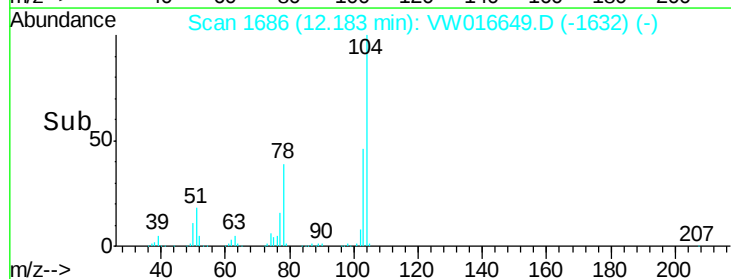
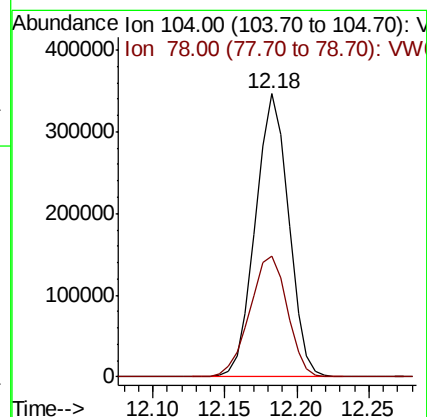
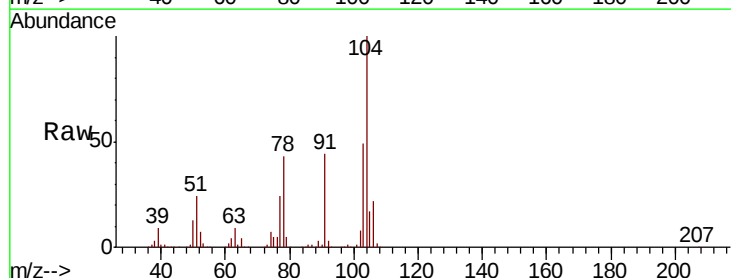
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

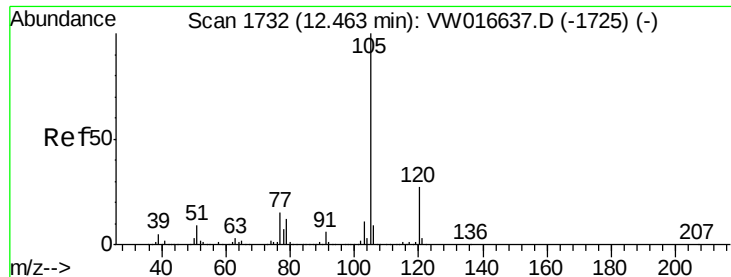
Tot Ion:106 Resp: 330915
Ion Ratio Lower Upper
106 100
91 209.3 144.8 268.8



#56
Styrene
Concen: 26.600 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016649.D
Acq: 24 Sep 2020 19:35

Tgt Ion:104 Resp: 551455
Ion Ratio Lower Upper
104 100
78 42.6 31.4 58.2





#57

Isopropylbenzene

Concen: 26.725 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW016649.D

Acq: 24 Sep 2020 19:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

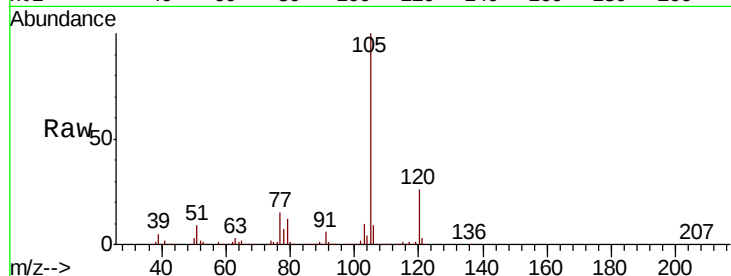
Tot Ion:105 Resp: 911688

Ion Ratio Lower Upper

105 100

120 27.3 21.8 32.8

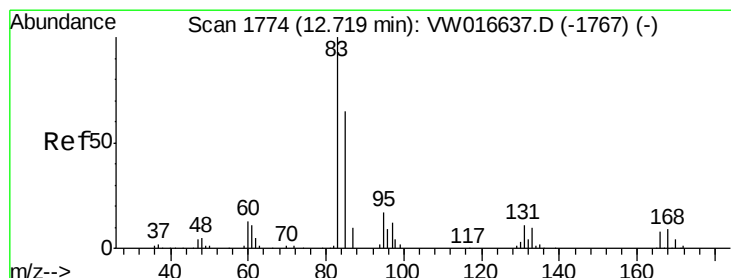
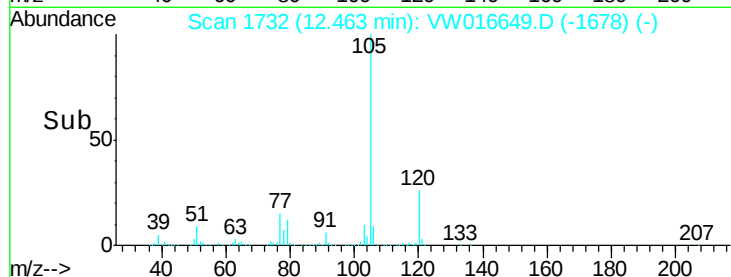
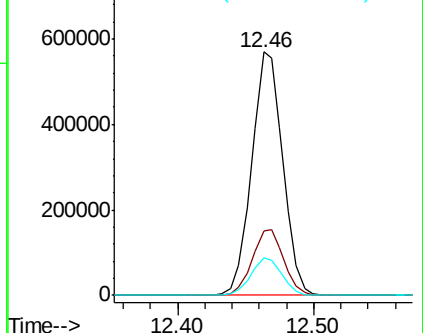
77 15.2 12.2 18.2



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: 23.887 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW016649.D

Acq: 24 Sep 2020 19:35

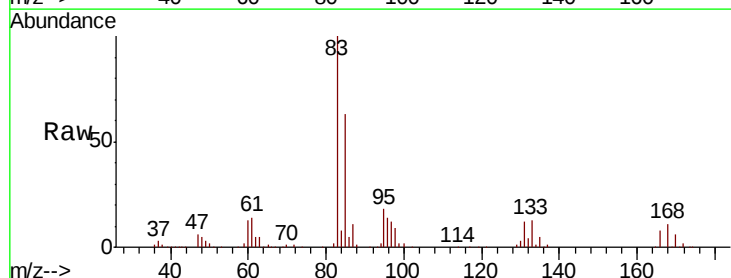
Tgt Ion: 83 Resp: 136442

Ion Ratio Lower Upper

83 100

85 63.4 46.0 85.4

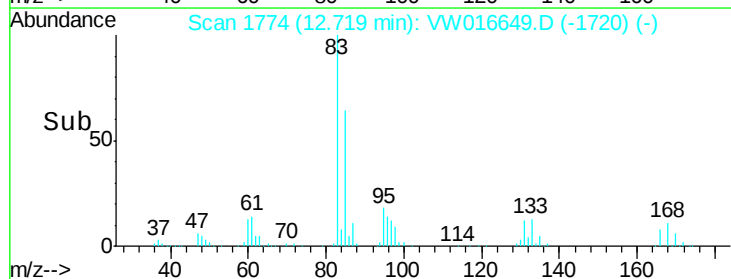
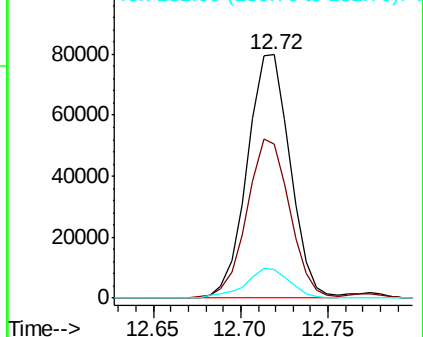
131 11.9 9.0 13.6

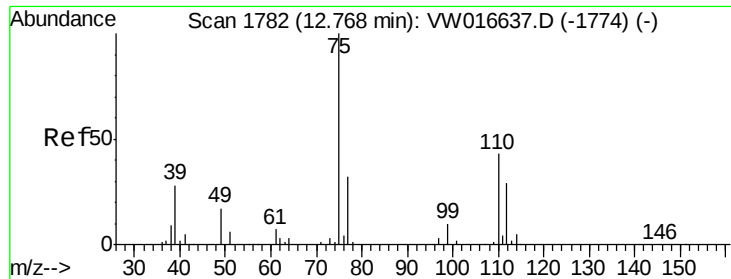


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

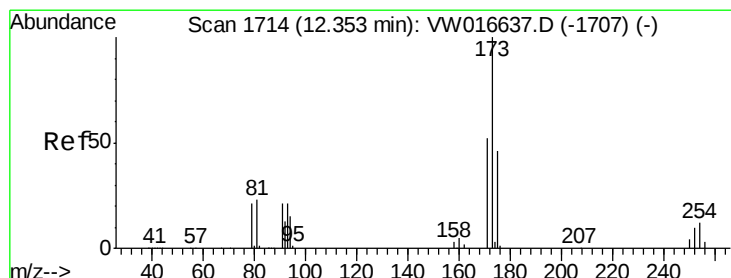
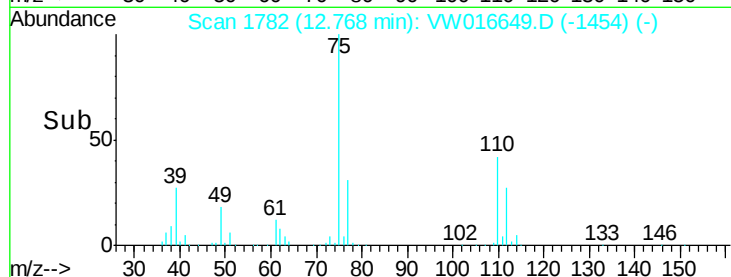
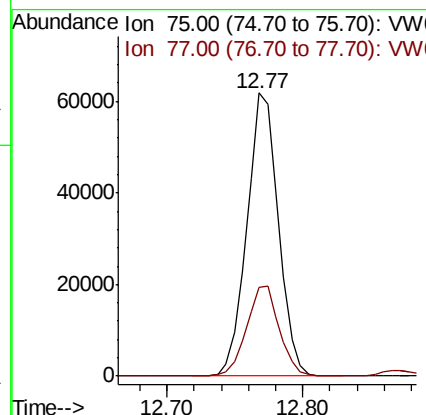
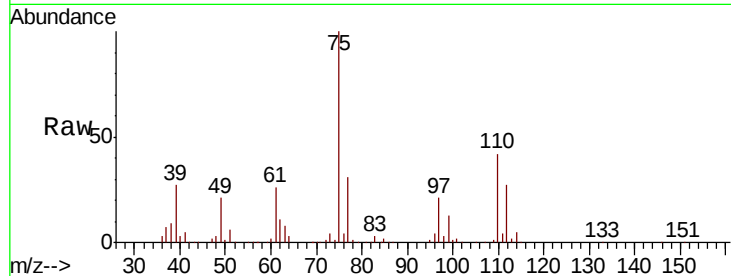




#59
 1,2,3-Trichloropropane
 Concen: 23.557 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW016649.D
 Acq: 24 Sep 2020 19:35

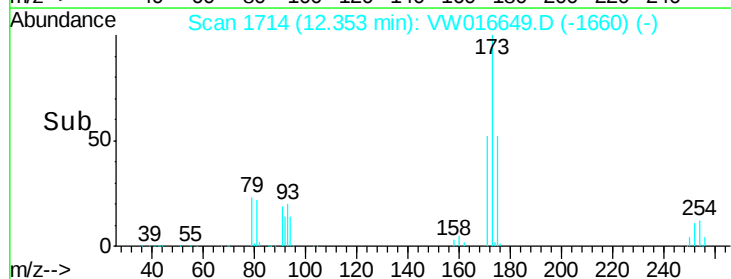
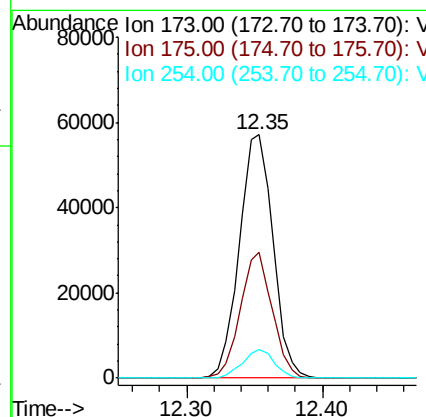
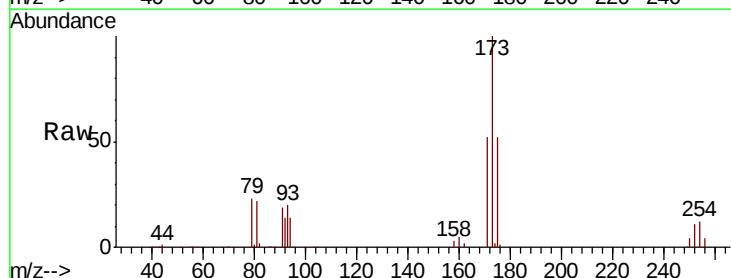
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

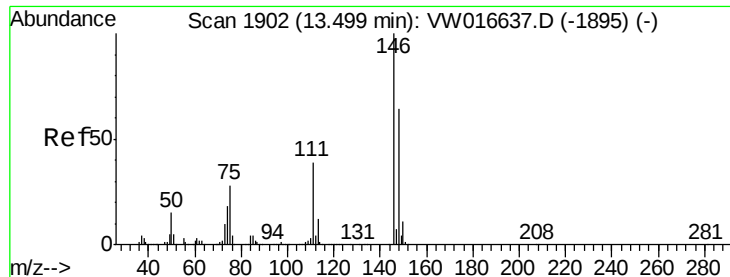
Tot Ion: 75 Resp: 100219
 Ion Ratio Lower Upper
 75 100
 77 33.2 26.2 39.4



#62
 Bromoform
 Concen: 24.557 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW016649.D
 Acq: 24 Sep 2020 19:35

Tgt Ion: 173 Resp: 98685
 Ion Ratio Lower Upper
 173 100
 175 49.0 38.6 57.8
 254 11.3 8.2 12.4

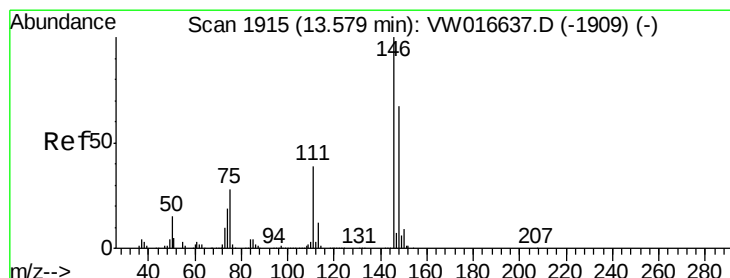
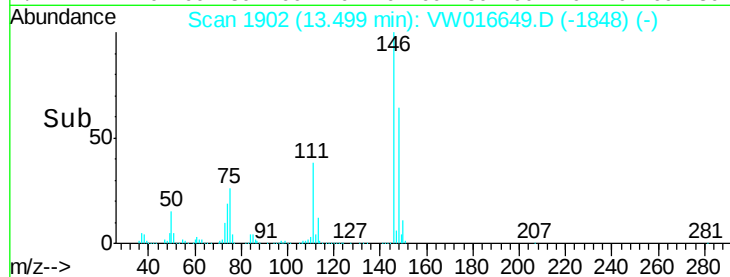
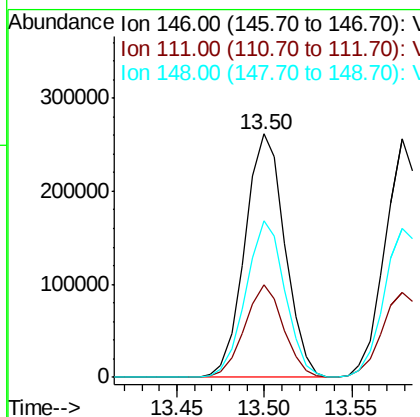
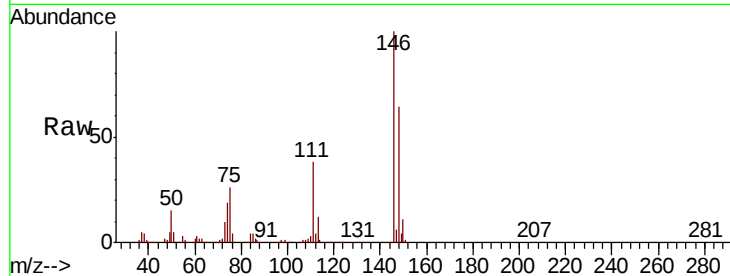




#63
 1,3-Dichlorobenzene
 Concen: 26.828 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016649.D
 Acq: 24 Sep 2020 19:35

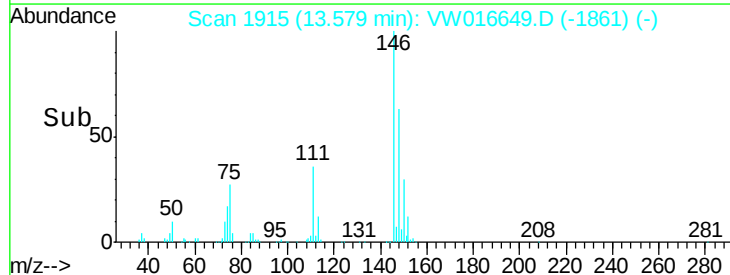
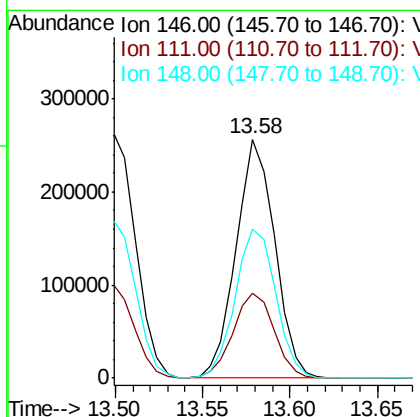
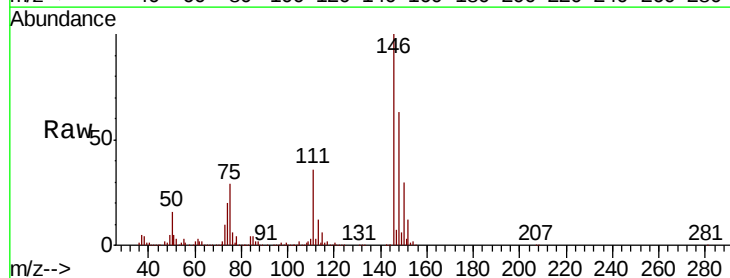
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

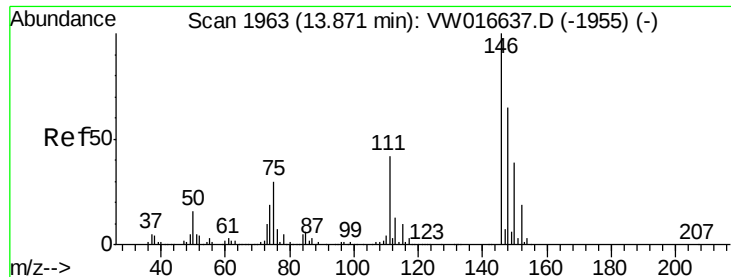
Tot Ion:146 Resp: 415748
 Ion Ratio Lower Upper
 146 100
 111 37.9 25.0 46.4
 148 64.5 44.0 81.8



#64
 1,4-Dichlorobenzene
 Concen: 26.100 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016649.D
 Acq: 24 Sep 2020 19:35

Tgt Ion:146 Resp: 396096
 Ion Ratio Lower Upper
 146 100
 111 35.6 25.1 46.5
 148 62.6 42.3 78.5





#65

1,2-Dichlorobenzene

Concen: 25.776 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW016649.D

Acq: 24 Sep 2020 19:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

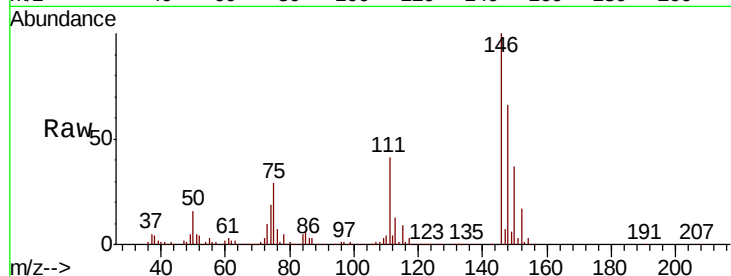
Tot Ion:146 Resp: 356919

Ion Ratio Lower Upper

146 100

111 41.3 31.4 47.0

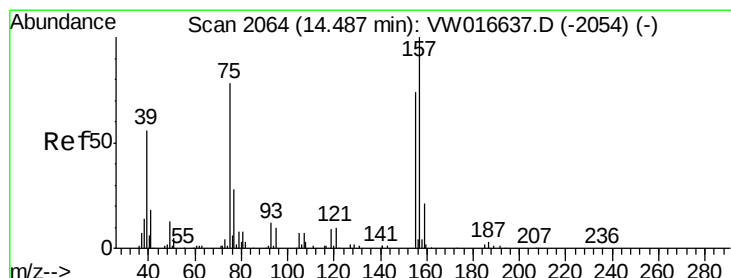
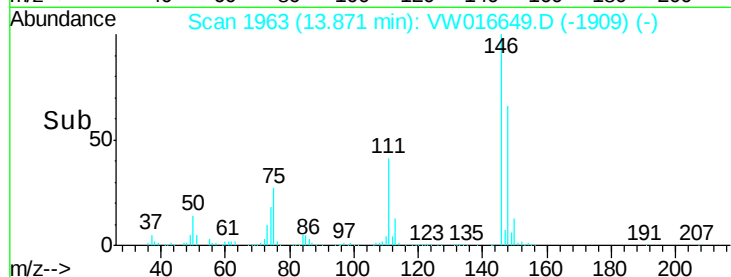
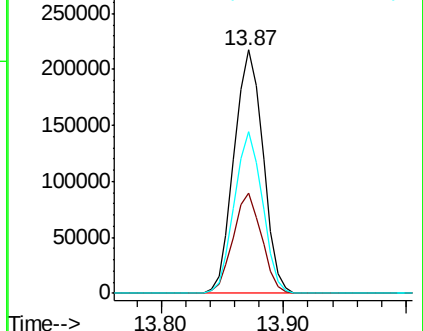
148 66.4 49.3 73.9



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: 23.449 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW016649.D

Acq: 24 Sep 2020 19:35

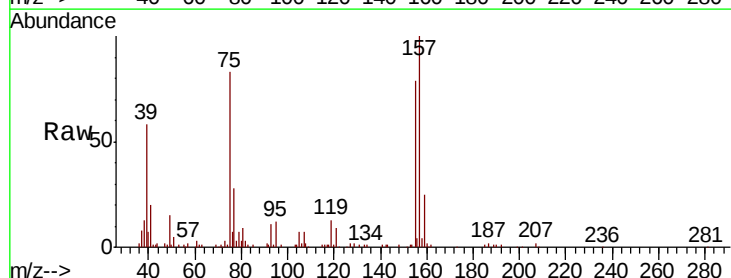
Tgt Ion: 75 Resp: 23274

Ion Ratio Lower Upper

75 100

157 119.9 92.2 138.4

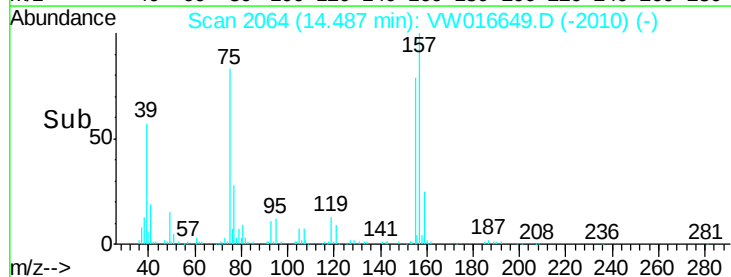
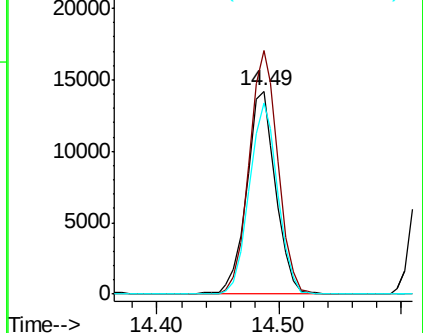
155 94.4 73.5 110.3

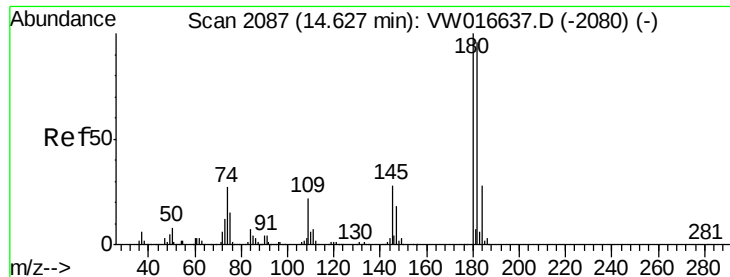


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

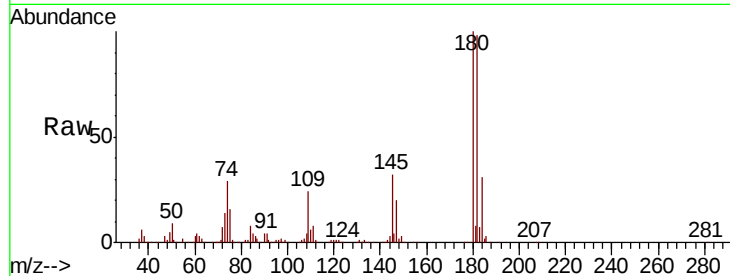




#67
 1,3,5-Trichlorobenzene
 Concen: 25.735 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW016649.D
 Acq: 24 Sep 2020 19:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	73.8	110.8
184	31.4	23.7	35.5
145	29.9	22.8	34.2

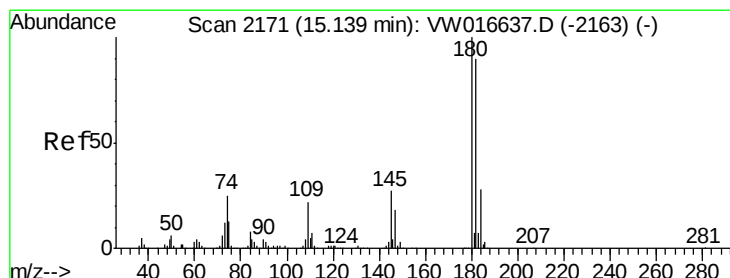
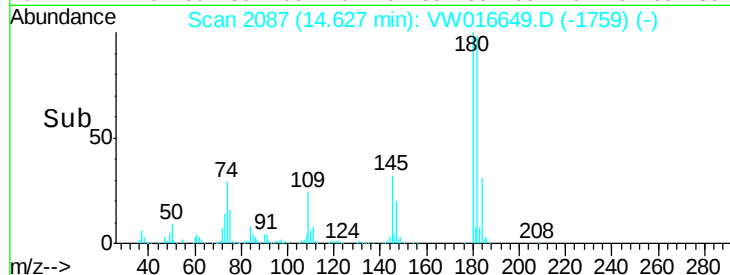
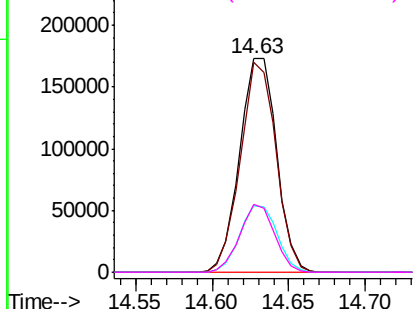


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

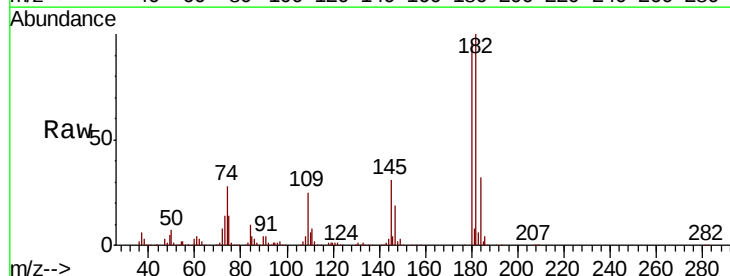
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.587 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW016649.D
 Acq: 24 Sep 2020 19:35

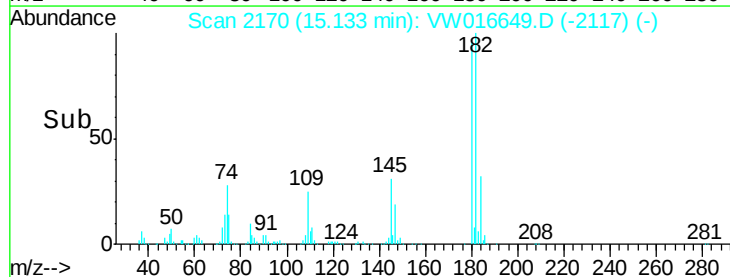
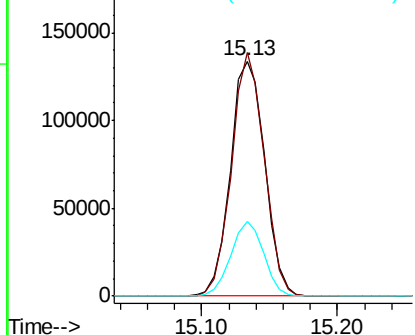
Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.4	74.5	111.7
145	30.4	23.1	34.7

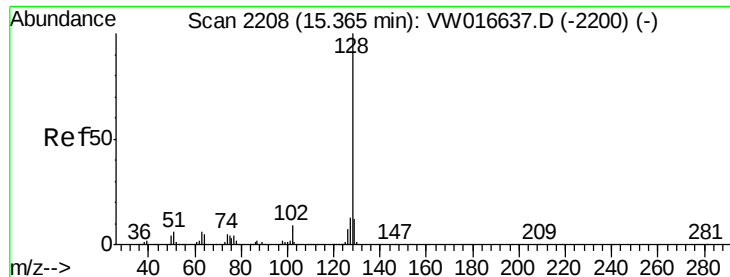


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 25.263 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW016649.D

Acq: 24 Sep 2020 19:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

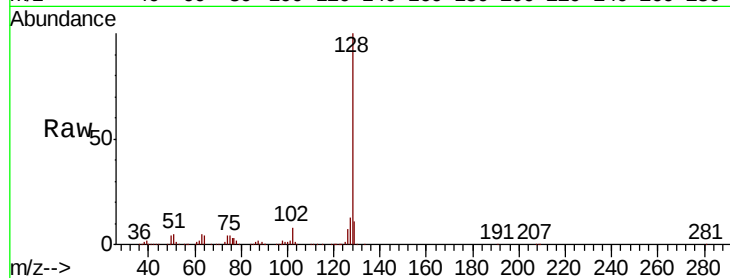
Tot Ion:128 Resp: 410588

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

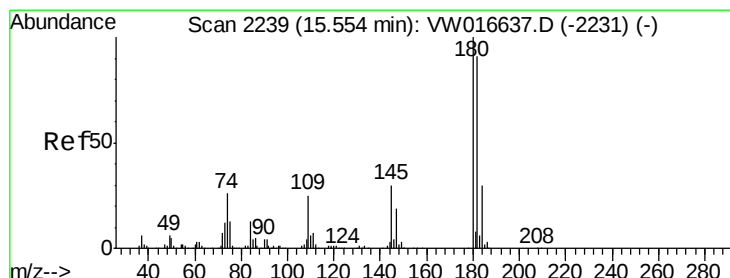
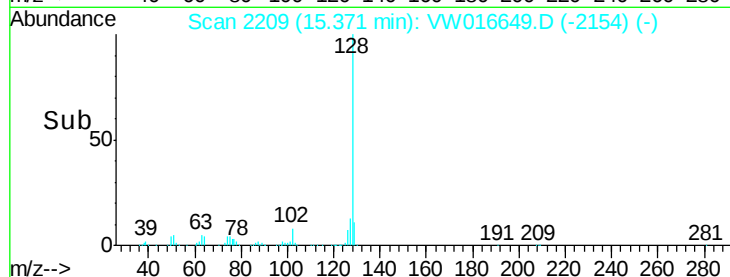
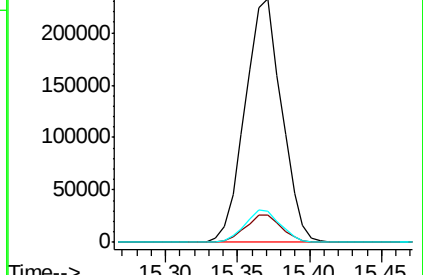
127 12.9 10.8 16.2



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: 25.620 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW016649.D

Acq: 24 Sep 2020 19:35

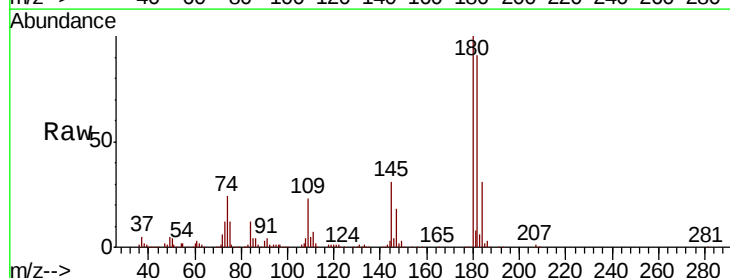
Tgt Ion:180 Resp: 202022

Ion Ratio Lower Upper

180 100

182 95.4 76.3 114.5

145 31.1 24.1 36.1



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

