

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092120\
 Data File : VW016591.D
 Acq On : 21 Sep 2020 11:18
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

Quant Time: Sep 21 17:57:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 18 11:42:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	654561	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	568792	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	290404	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	123802	19.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.16%
7) Chloroethane-d5	2.90	69	108444	20.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.84%
10) 1,1-Dichloroethene-d2	4.03	63	296611	20.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.76%
20) 2-Butanone-d5	7.08	46	75496	43.71	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.42%
24) Chloroform-d	7.65	84	324869	23.73	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.92%
26) 1,2-Dichloroethane-d4	8.31	65	160427	22.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.28%
29) Benzene-d6	8.27	84	559929	21.95	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.80%
33) 1,2-Dichloropropane-d6	9.27	67	162373	23.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.96%
37) Toluene-d8	10.32	98	503279	20.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	80.20%
38) trans-1,3-Dichloropropene-	10.58	79	81583	23.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.64%
39) 2-Hexanone-d5	10.93	63	61418	48.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.70%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	144803	24.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.48%
61) 1,2-Dichlorobenzene-d4	13.85	152	210824	22.72	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.88%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.02	85	210064	25.978 ug/L	96
3) Chloromethane	2.22	50	151696	25.638 ug/L	95
5) Vinyl chloride	2.37	62	225629	25.842 ug/L	98
6) Bromomethane	2.79	94	162182	24.480 ug/L	99
8) Chloroethane	2.93	64	133239	25.796 ug/L	99
9) Trichlorofluoromethane	3.27	101	204372	23.216 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.08	101	216364	25.656 ug/L	98
12) 1,1-Dichloroethene	4.04	96	213203	25.715 ug/L	96
13) Acetone	4.13	43	57457	42.463 ug/L	100
14) Carbon disulfide	4.39	76	628557	25.129 ug/L	100
15) Methyl Acetate	4.68	43	70928	23.020 ug/L	99
16) Methylene chloride	4.92	84	205981	20.403 ug/L	97
17) Methyl tert-butyl Ether	5.43	73	264223	23.267 ug/L	100
18) trans-1,2-Dichloroethene	5.43	96	223567	26.038 ug/L	98
19) 1,1-Dichloroethane	6.22	63	348499	25.666 ug/L	98
21) 2-Butanone	7.18	43	88009	38.231 ug/L	96
22) cis-1,2-Dichloroethene	7.17	96	229158	25.723 ug/L	95

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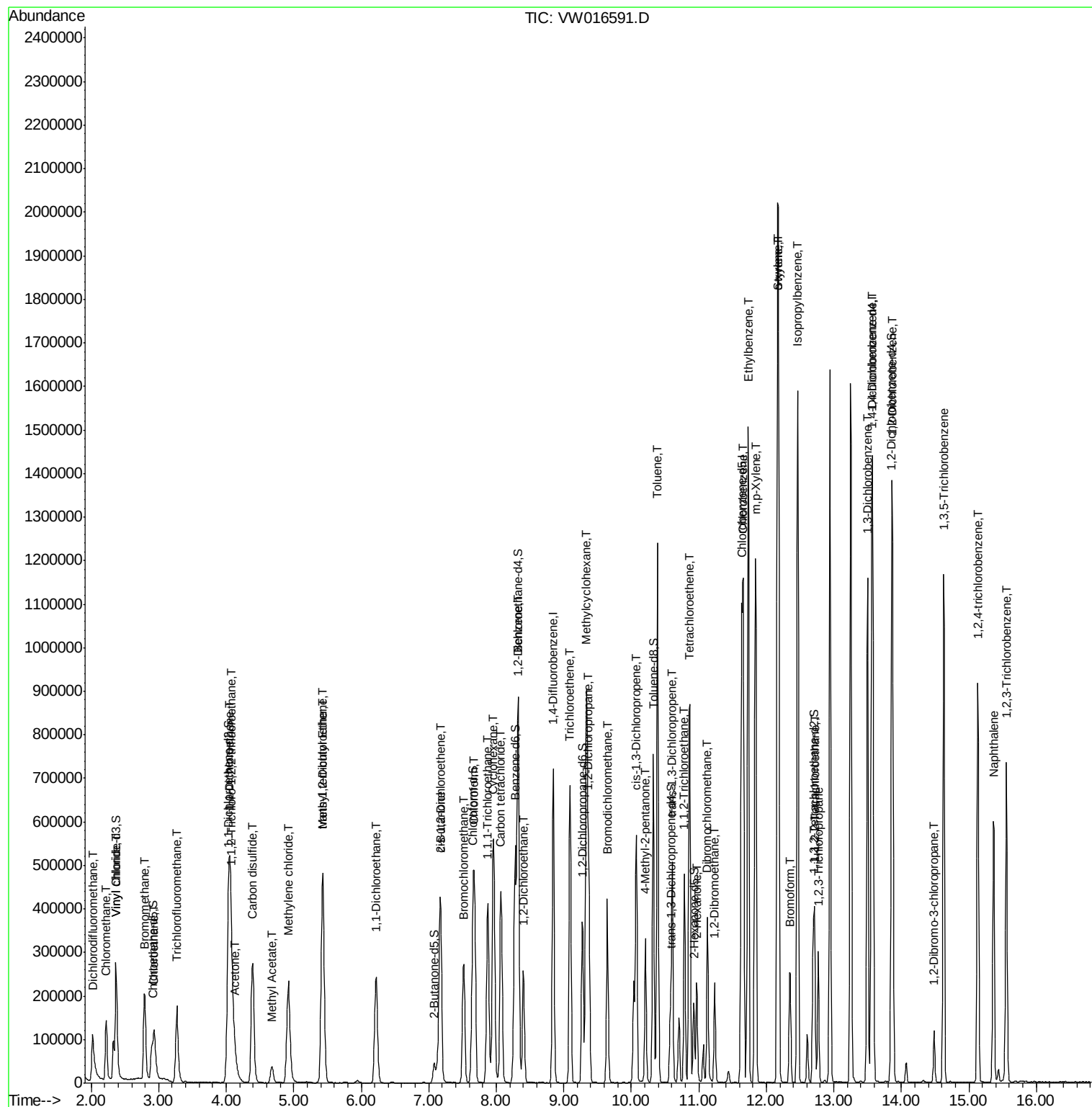
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	109030	25.174	ug/L	99
25) Chloroform	7.68	83	380483	25.702	ug/L	99
27) 1,2-Dichloroethane	8.40	62	237894	25.045	ug/L	99
30) Cyclohexane	7.96	56	321503	25.866	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	350730	26.402	ug/L	99
32) Carbon tetrachloride	8.07	117	340542	26.386	ug/L	100
34) Benzene	8.32	78	799376	26.221	ug/L	100
35) Trichloroethene	9.09	95	232091	26.313	ug/L	99
36) Methylcyclohexane	9.34	83	390203	26.081	ug/L	99
40) 1,2-Dichloropropane	9.37	63	183030	25.813	ug/L	100
41) Bromodichloromethane	9.65	83	278742	26.528	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	318713	26.315	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	203643	45.204	ug/L	99
44) Toluene	10.39	91	911900	26.601	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	276762	26.264	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	151658	25.389	ug/L	98
47) Tetrachloroethene	10.87	164	210819	26.469	ug/L	92
49) 2-Hexanone	10.97	43	138085	48.298	ug/L	99
50) Dibromochloromethane	11.13	129	201659	25.857	ug/L	98
51) 1,2-Dibromoethane	11.24	107	149890	25.062	ug/L	94
52) Chlorobenzene	11.66	112	597395	25.943	ug/L	99
53) Ethylbenzene	11.73	91	1036572	26.633	ug/L	96
54) m,p-Xylene	11.84	106	403713	26.490	ug/L	97
55) o-xylene	12.17	106	382143	26.173	ug/L	99
56) Styrene	12.18	104	644271	26.574	ug/L	98
57) Isopropylbenzene	12.46	105	1059984	26.569	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	166202	24.881	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	119441	24.006	ug/L	100
62) Bromoform	12.35	173	119051	24.305	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	489587	25.919	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	485500	26.246	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	436504	25.862	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.49	75	28231	23.335	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	362239	26.222	ug/L	95
68) 1,2,4-trichlorobenzene	15.13	180	309941	27.735	ug/L	98
69) Naphthalene	15.36	128	536050	27.059	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	258680	26.914	ug/L	99

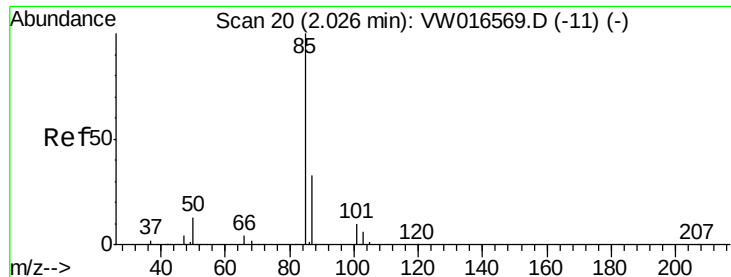
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 25.978 ug/L

RT: 2.02 min Scan# 19

Delta R.T. -0.01 min

Lab File: VW016591.D

Acq: 21 Sep 2020 11:18

Instrument :

MSVOA_W

ClientSampleId :

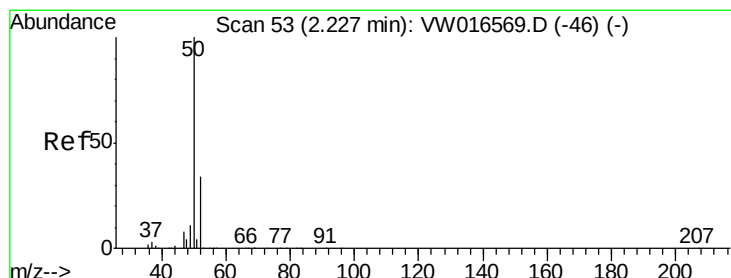
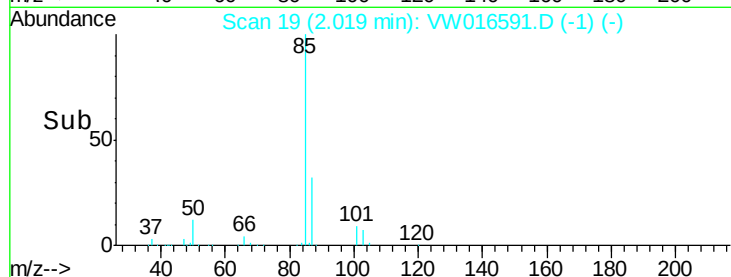
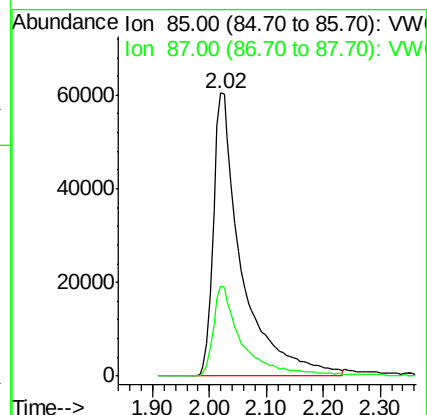
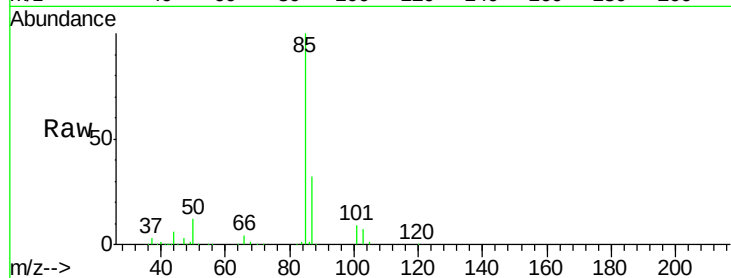
VSTD02524

Tgt Ion: 85 Resp: 210064

Ion Ratio Lower Upper

85 100

87 29.3 22.2 41.2



#3

Chloromethane

Concen: 25.638 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.01 min

Lab File: VW016591.D

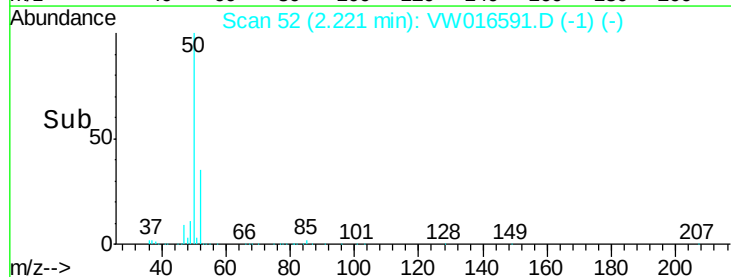
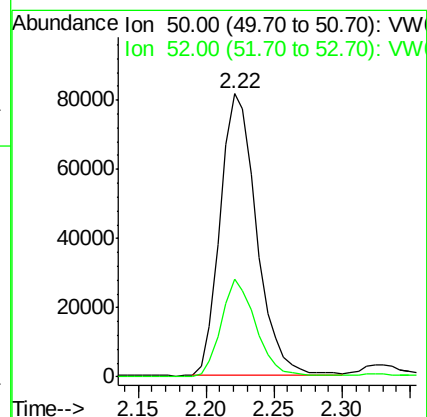
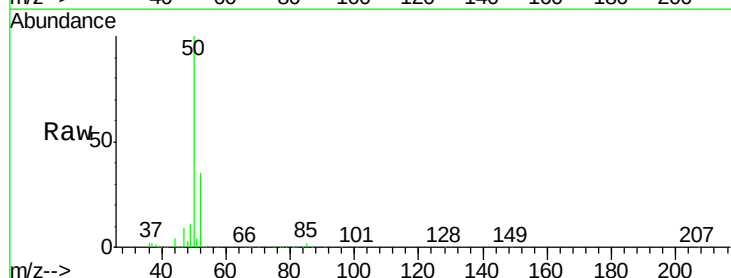
Acq: 21 Sep 2020 11:18

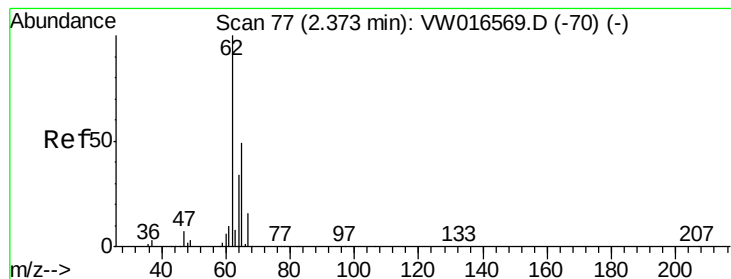
Tgt Ion: 50 Resp: 151696

Ion Ratio Lower Upper

50 100

52 34.6 22.4 41.6





#5

Vinyl chloride

Concen: 25.842 ug/L

RT: 2.37 min Scan# 77

Delta R.T. -0.00 min

Lab File: VW016591.D

Acq: 21 Sep 2020 11:18

Instrument :

MSVOA_W

ClientSampleId :

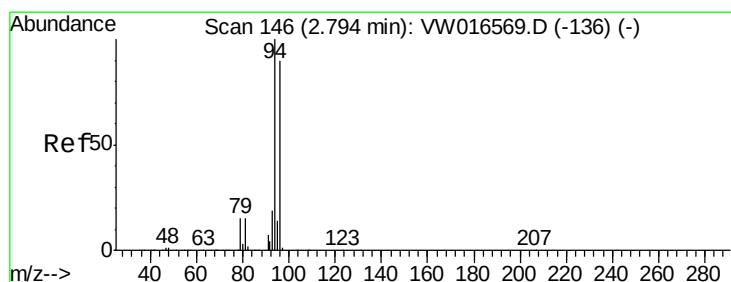
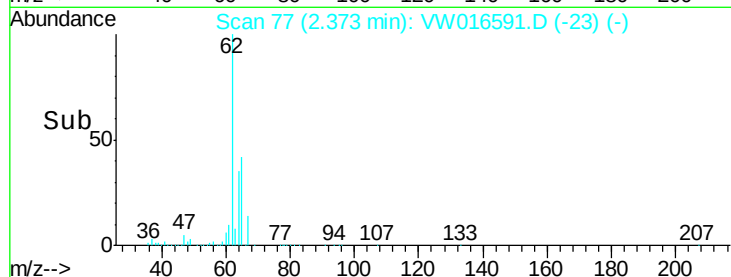
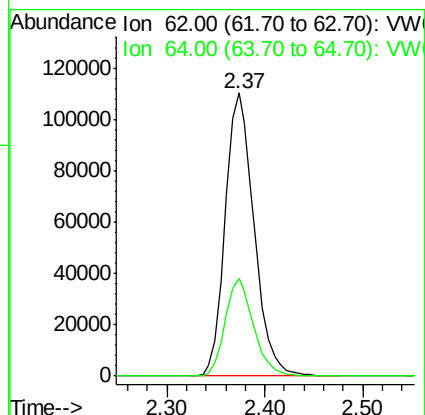
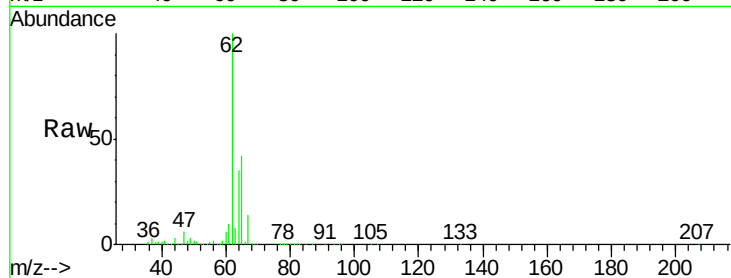
VSTD02524

Tgt Ion: 62 Resp: 225629

Ion Ratio Lower Upper

62 100

64 34.5 23.4 43.4



#6

Bromomethane

Concen: 24.480 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.01 min

Lab File: VW016591.D

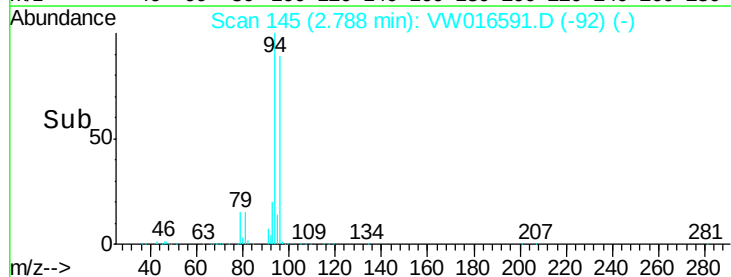
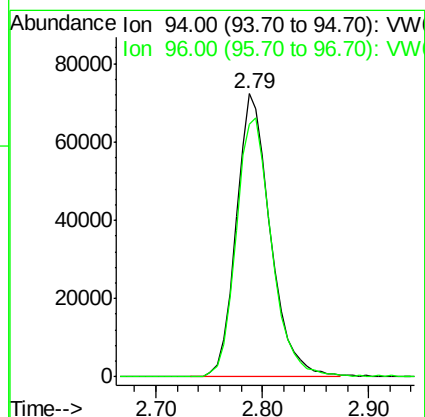
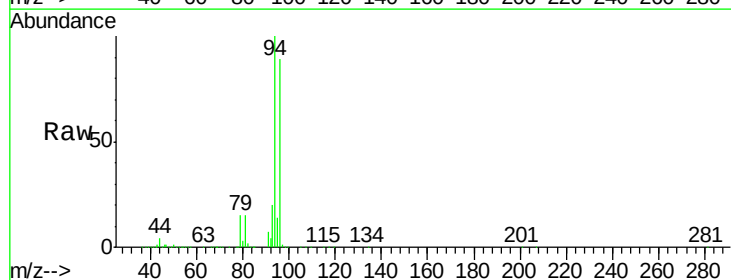
Acq: 21 Sep 2020 11:18

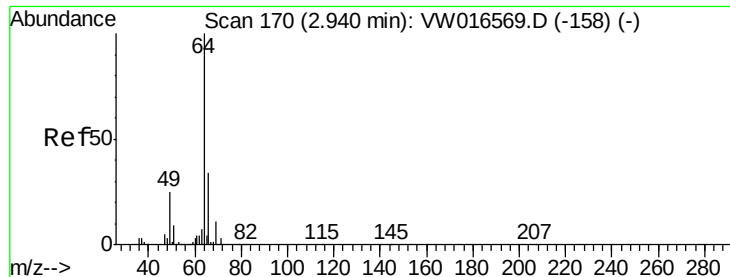
Tgt Ion: 94 Resp: 162182

Ion Ratio Lower Upper

94 100

96 94.6 9.6 181.6





#8

Chloroethane

Concen: 25.796 ug/L

RT: 2.93 min Scan# 169

Delta R.T. -0.01 min

Lab File: VW016591.D

Acq: 21 Sep 2020 11:18

Instrument :

MSVOA_W

ClientSampleId :

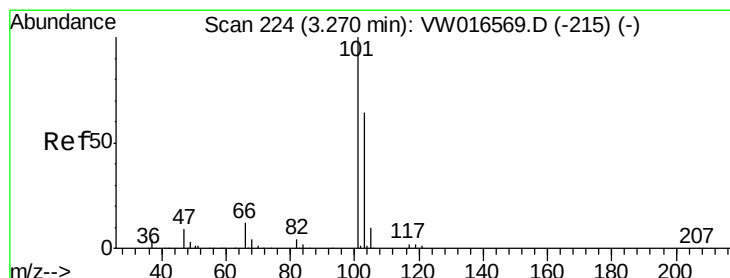
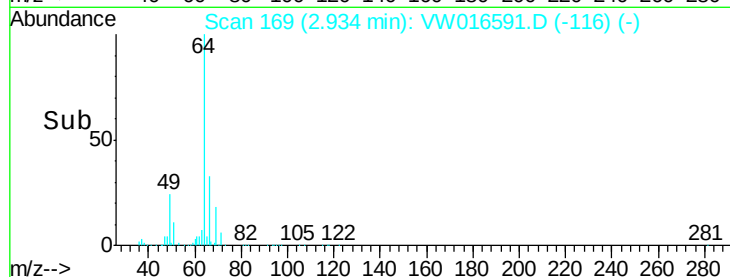
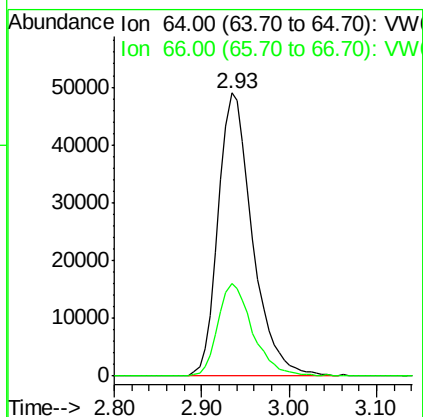
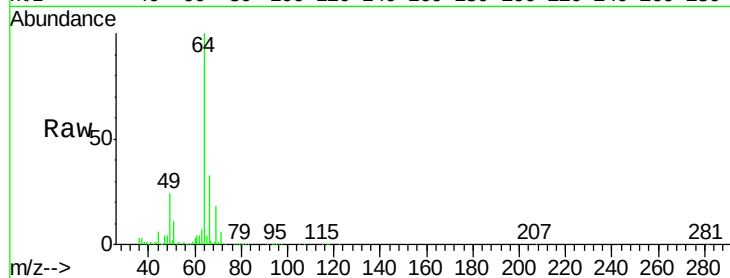
VSTD02524

Tgt Ion: 64 Resp: 133239

Ion Ratio Lower Upper

64 100

66 32.6 23.2 43.2



#9

Trichlorofluoromethane

Concen: 23.216 ug/L

RT: 3.27 min Scan# 224

Delta R.T. -0.00 min

Lab File: VW016591.D

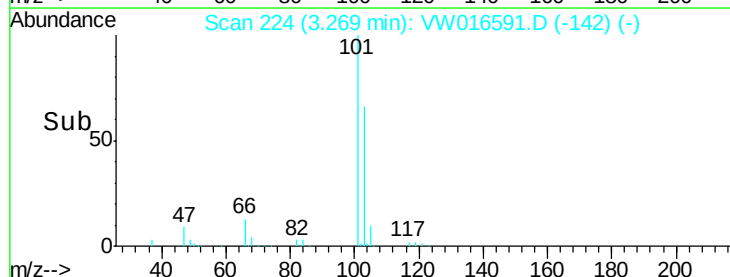
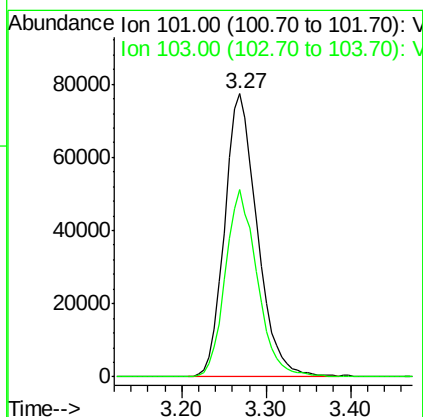
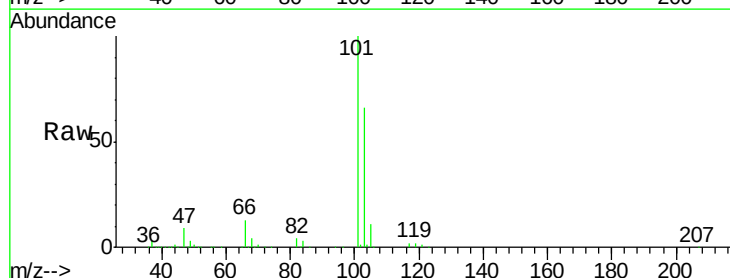
Acq: 21 Sep 2020 11:18

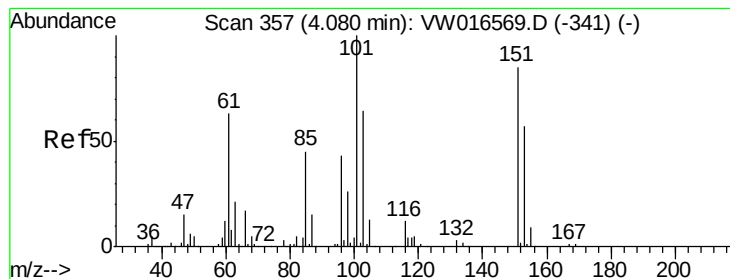
Tgt Ion: 101 Resp: 204372

Ion Ratio Lower Upper

101 100

103 64.8 45.2 84.0





#11

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

Concen: 25.656 ug/L

RT: 4.08 min Scan# 357

Delta R.T. -0.00 min

Lab File: VW016591.D

Acq: 21 Sep 2020 11:18

Instrument :

MSVOA_W

ClientSampled :

VSTD02524

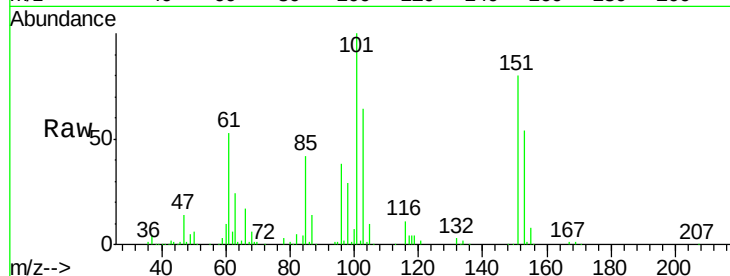
Tgt Ion: 101 Resp: 216364

Ion Ratio Lower Upper

101 100

85 42.4 32.6 49.0

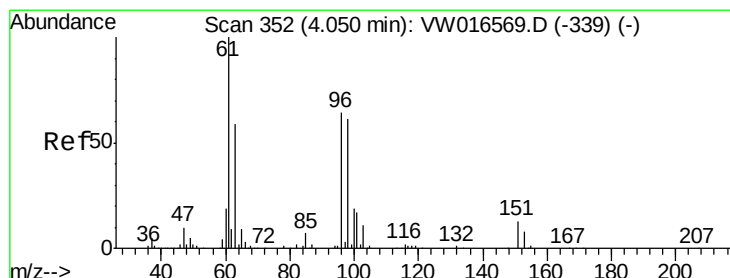
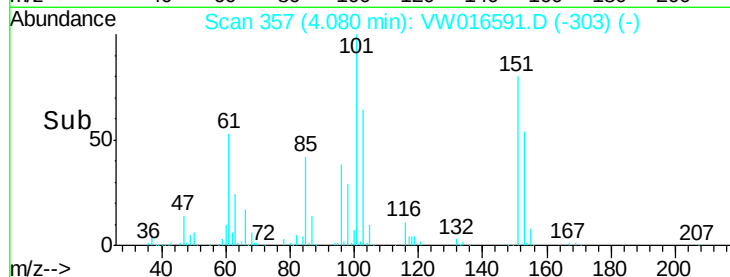
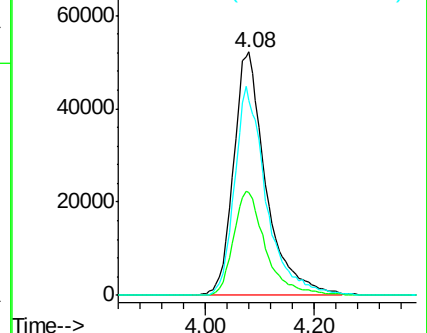
151 83.8 66.0 99.0



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: 25.715 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW016591.D

Acq: 21 Sep 2020 11:18

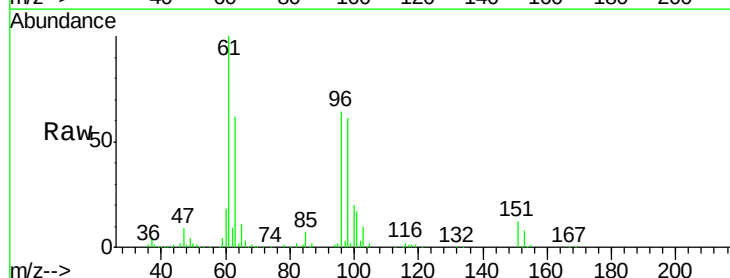
Tgt Ion: 96 Resp: 213203

Ion Ratio Lower Upper

96 100

61 157.4 111.4 206.8

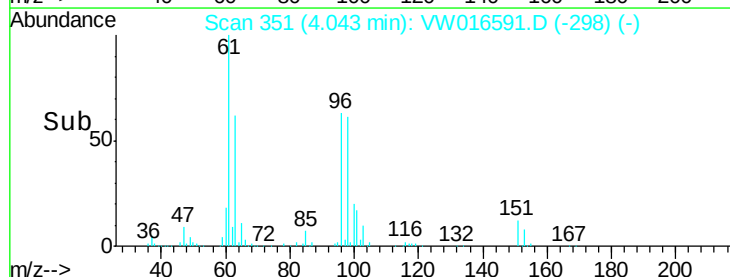
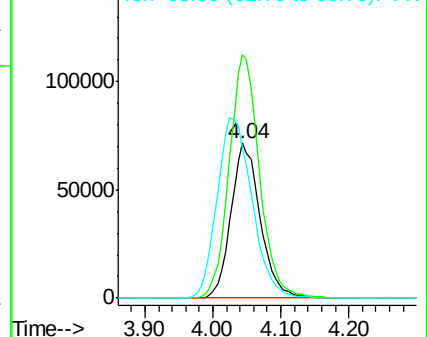
63 97.1 73.0 135.6

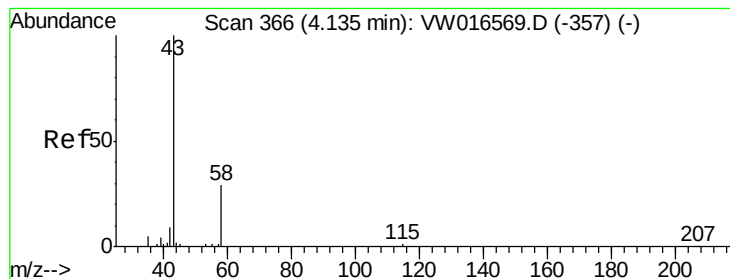


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 42.463 ug/L

RT: 4.13 min Scan# 366

Delta R.T. -0.00 min

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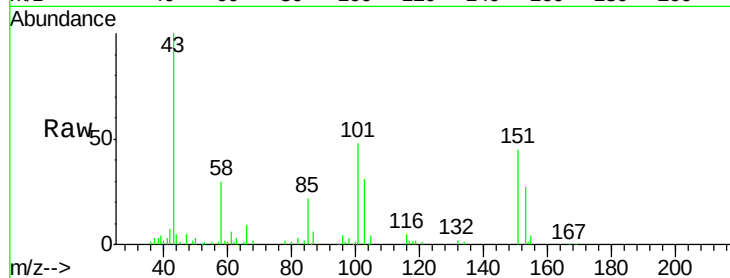
VSTD02524

Tgt Ion: 43 Resp: 57457

Ion Ratio Lower Upper

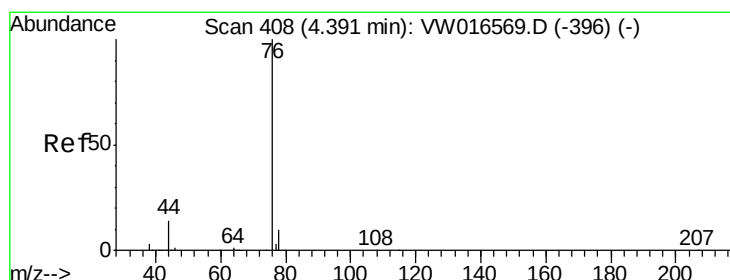
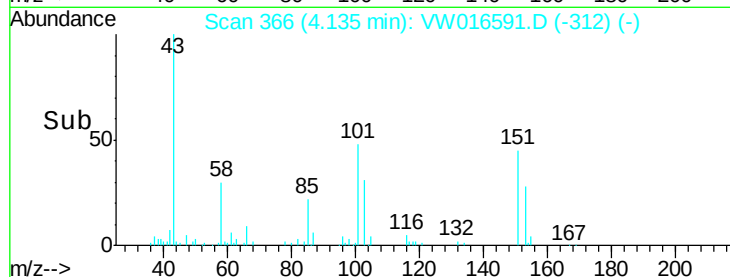
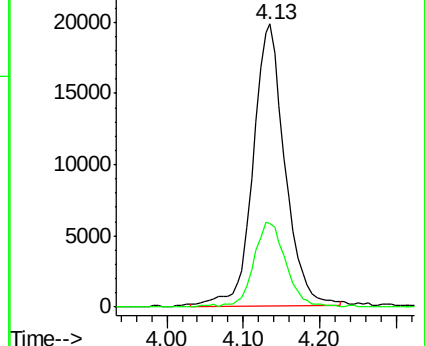
43 100

58 30.3 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: 25.129 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW016591.D

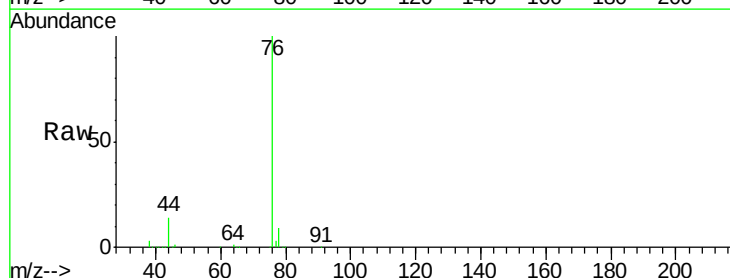
Acq: 21 Sep 2020 11:18

Tgt Ion: 76 Resp: 628557

Ion Ratio Lower Upper

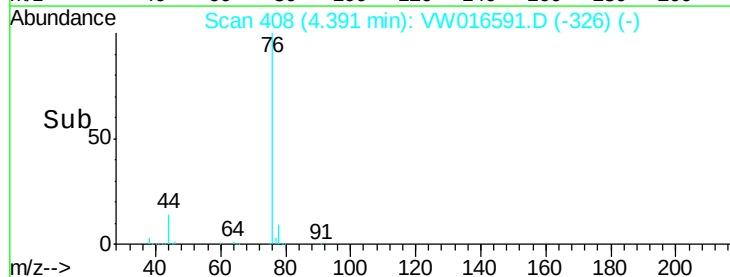
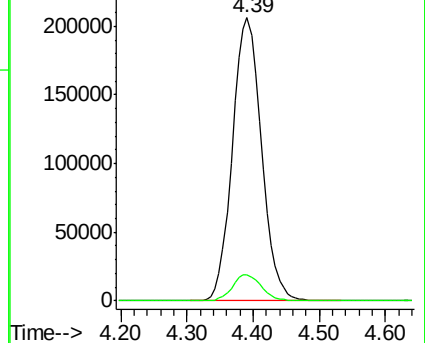
76 100

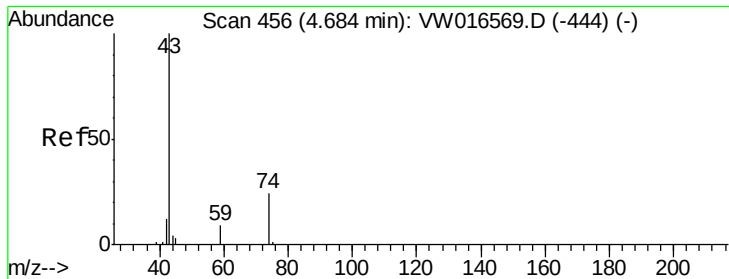
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 23.020 ug/L

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW016591.D

Acq: 21 Sep 2020 11:18

Instrument :

MSVOA_W

ClientSampled :

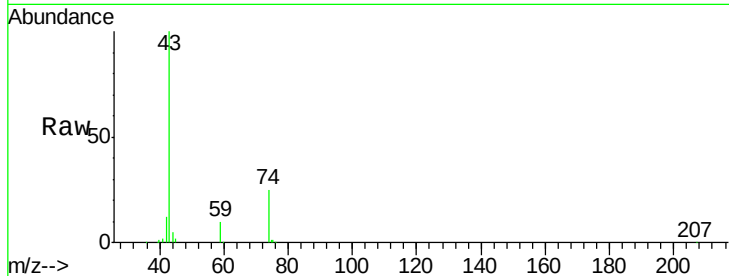
VSTD02524

Tgt Ion: 43 Resp: 70928

Ion Ratio Lower Upper

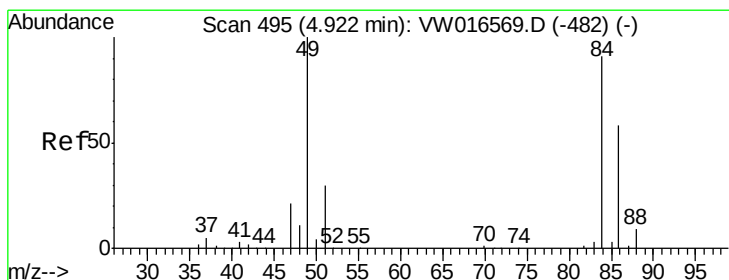
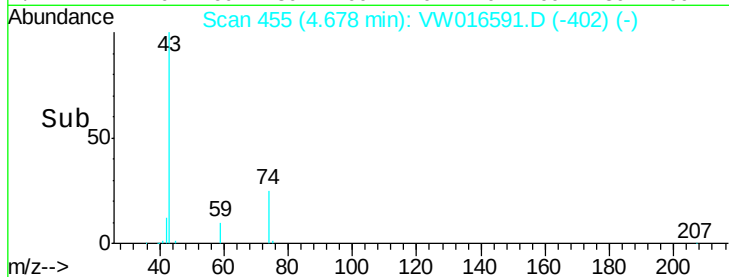
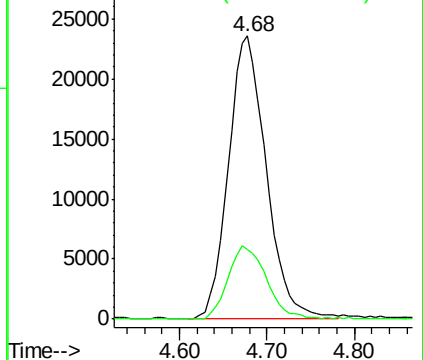
43 100

74 26.3 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 20.403 ug/L

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW016591.D

Acq: 21 Sep 2020 11:18

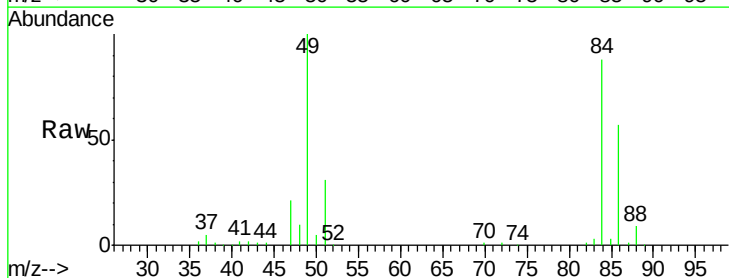
Tgt Ion: 84 Resp: 205981

Ion Ratio Lower Upper

84 100

49 114.1 76.0 141.2

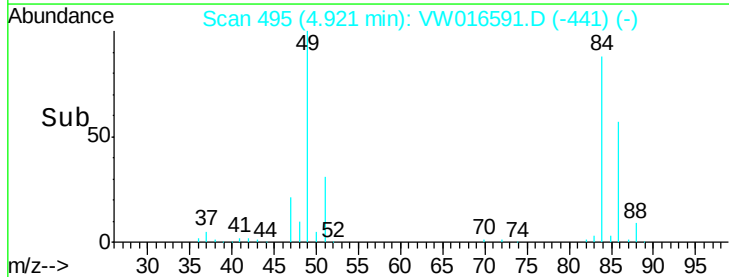
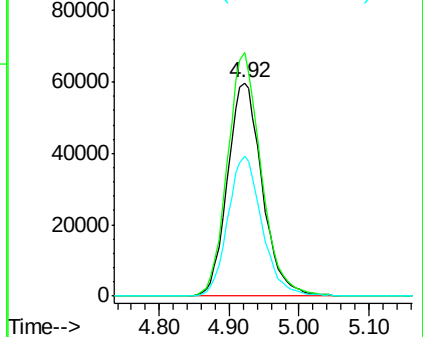
86 65.5 45.6 84.6

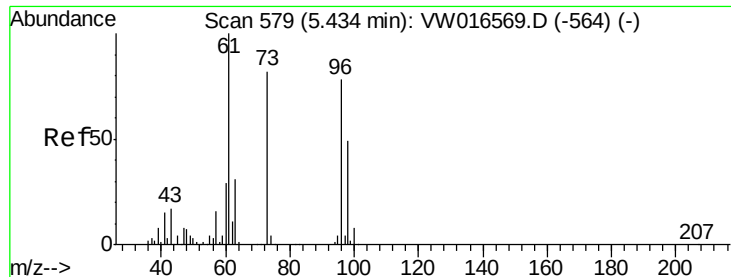


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

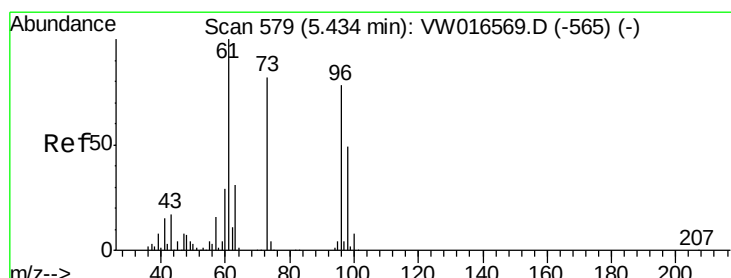
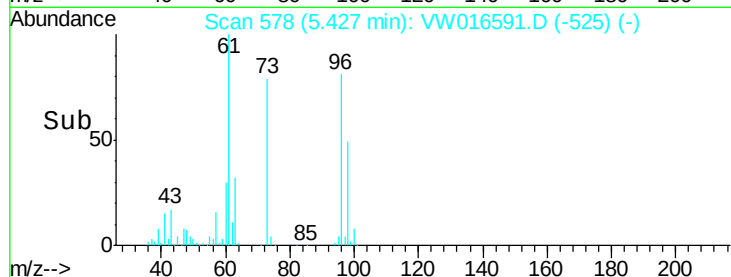
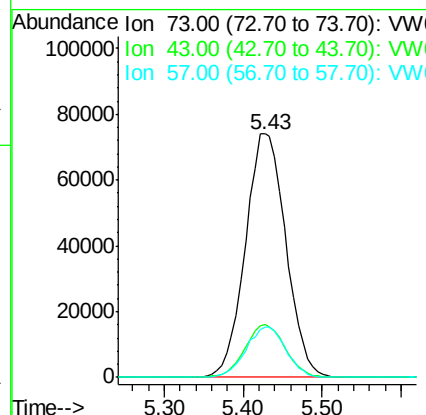
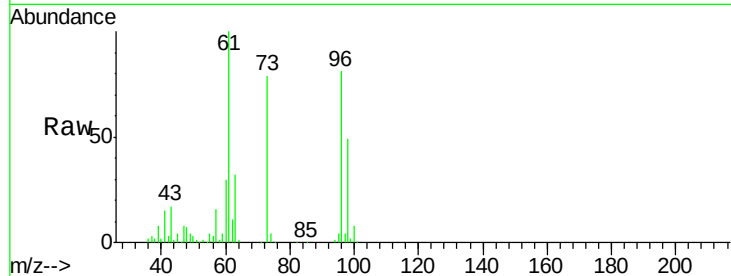




#17
Methyl tert-butyl Ether
Concen: 23.267 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW016591.D
Acq: 21 Sep 2020 11:18

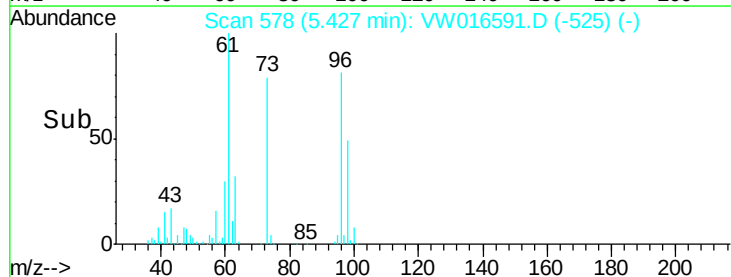
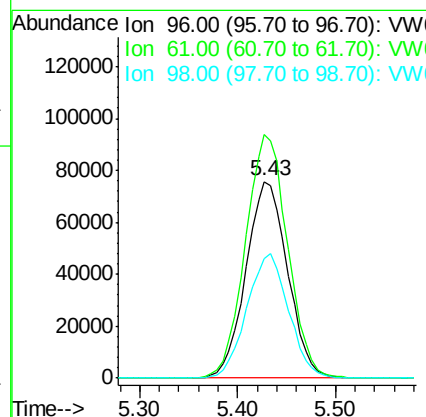
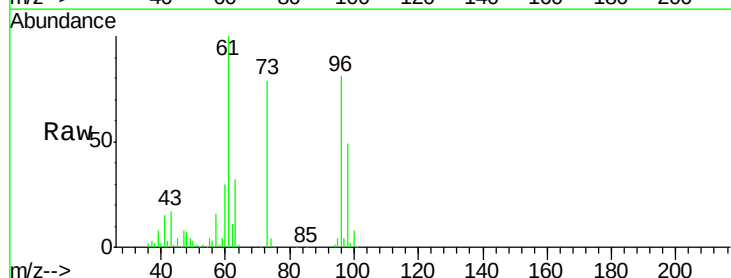
Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

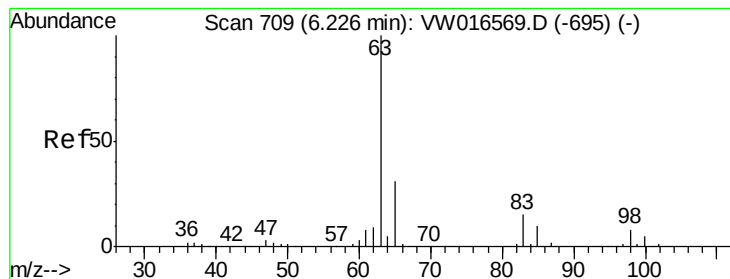
Tgt Ion: 73 Resp: 264223
Ion Ratio Lower Upper
73 100
43 21.5 17.2 25.8
57 20.5 16.3 24.5



#18
trans-1,2-Dichloroethene
Concen: 26.038 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW016591.D
Acq: 21 Sep 2020 11:18

Tgt Ion: 96 Resp: 223567
Ion Ratio Lower Upper
96 100
61 123.8 88.4 164.2
98 61.0 43.0 80.0





#19

1,1-Dichloroethane

Concen: 25.666 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.01 min

Lab File: VW016591.D

Acq: 21 Sep 2020 11:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

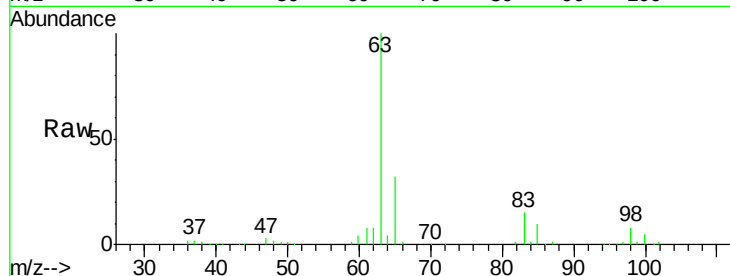
Tgt Ion: 63 Resp: 348499

Ion Ratio Lower Upper

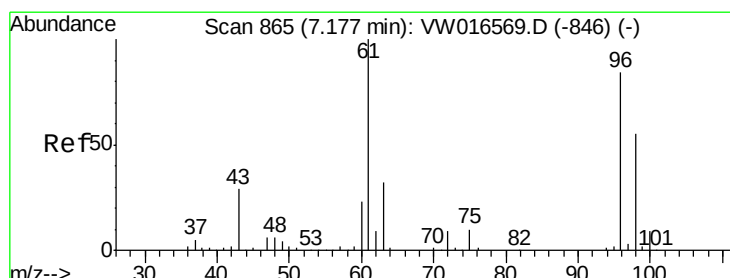
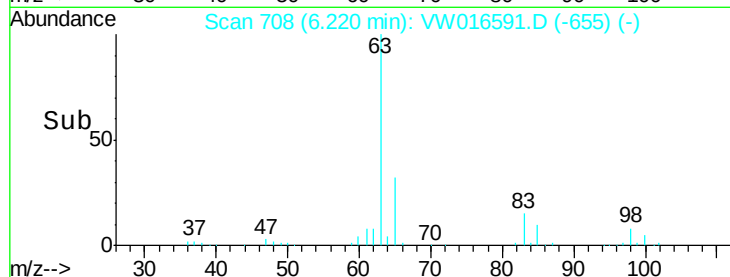
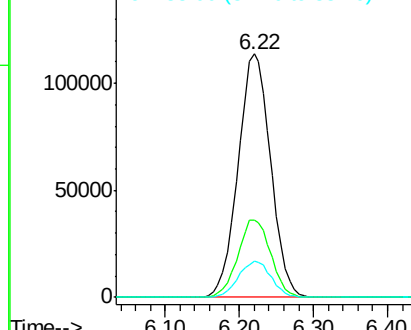
63 100

65 31.9 21.6 40.0

83 15.1 10.4 19.2



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



#21

2-Butanone

Concen: 38.231 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW016591.D

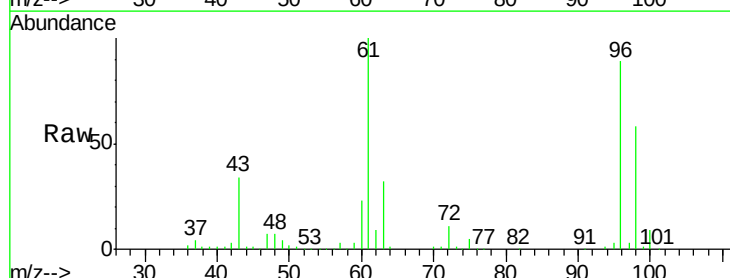
Acq: 21 Sep 2020 11:18

Tgt Ion: 43 Resp: 88009

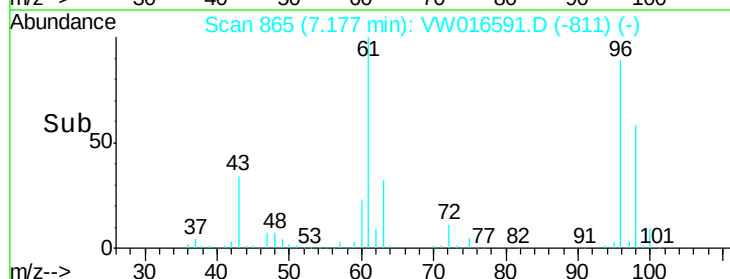
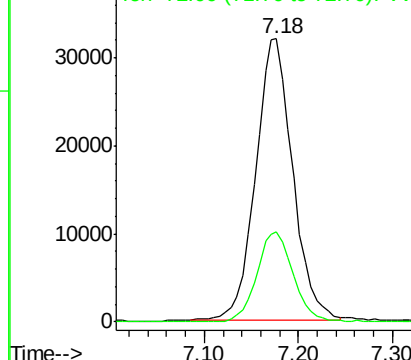
Ion Ratio Lower Upper

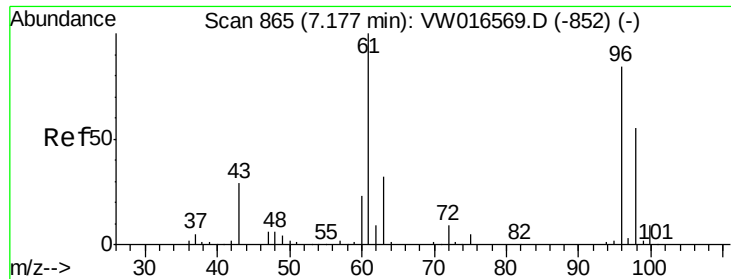
43 100

72 31.3 14.6 43.8



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



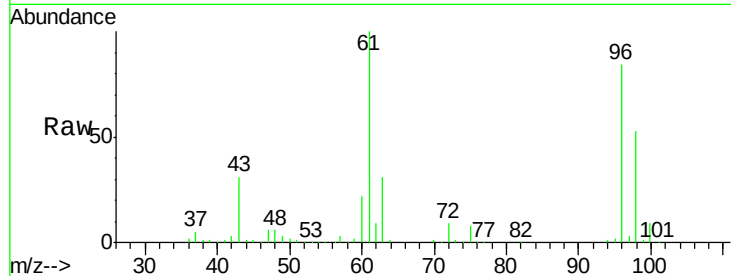


#22

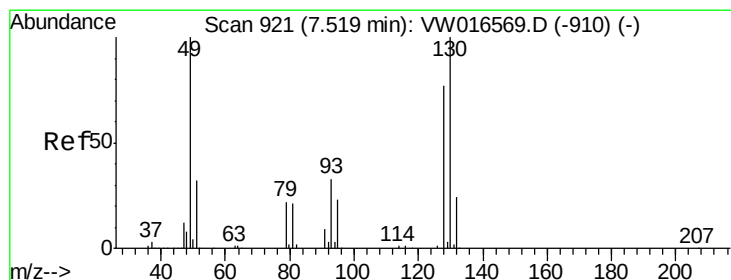
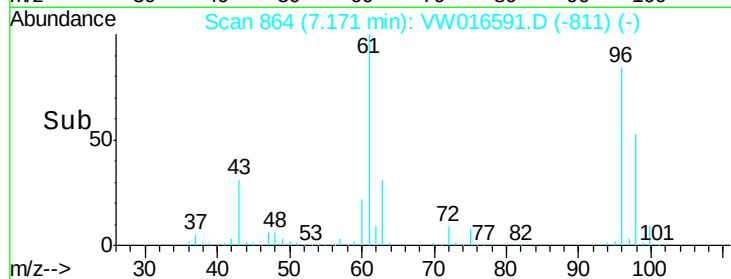
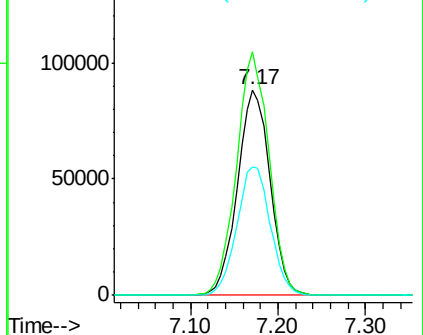
cis-1,2-Dichloroethene
 Concen: 25.723 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VW016591.D
 Acq: 21 Sep 2020 11:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

Tgt Ion: 96 Resp: 229158
 Ion Ratio Lower Upper
 96 100
 61 118.4 78.4 145.6
 98 62.3 44.8 83.2



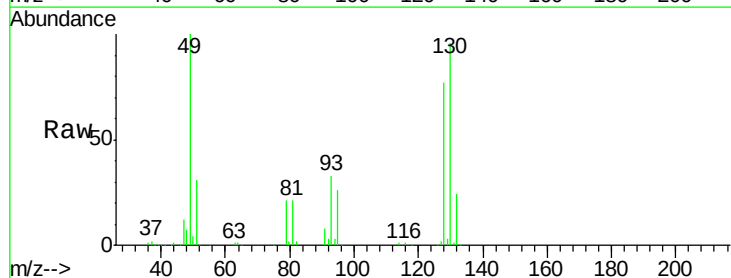
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



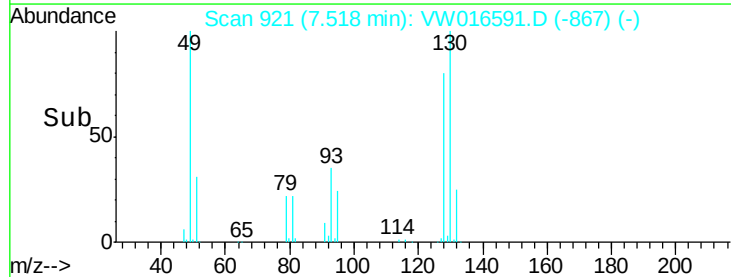
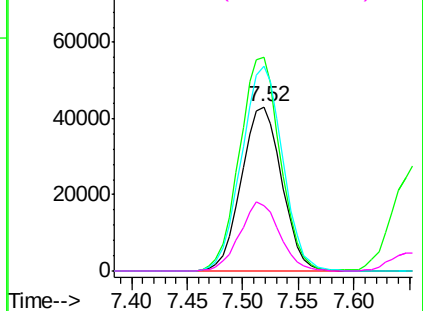
#23

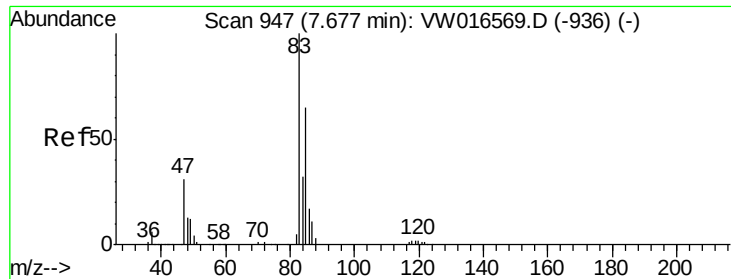
Bromochloromethane
 Concen: 25.174 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VW016591.D
 Acq: 21 Sep 2020 11:18

Tgt Ion: 128 Resp: 109030
 Ion Ratio Lower Upper
 128 100
 49 130.2 92.1 171.1
 130 124.6 87.8 163.0
 51 39.8 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

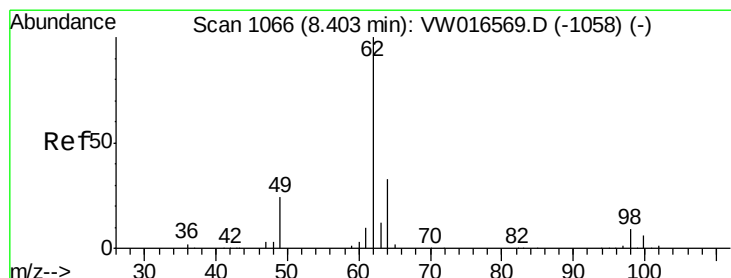
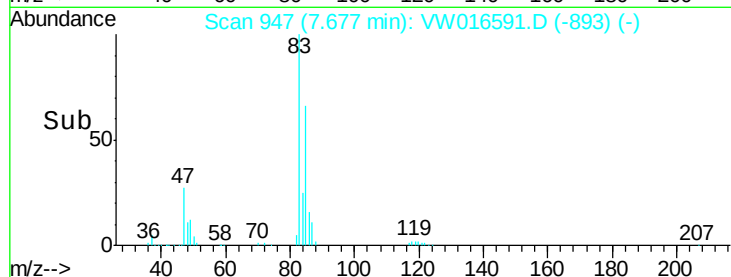
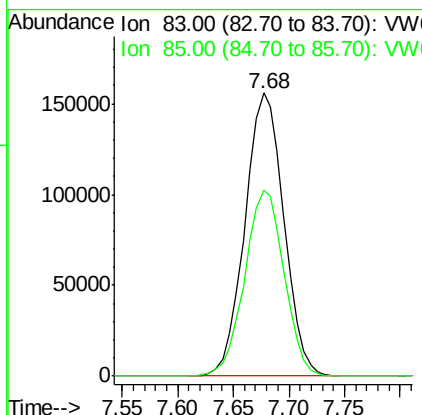
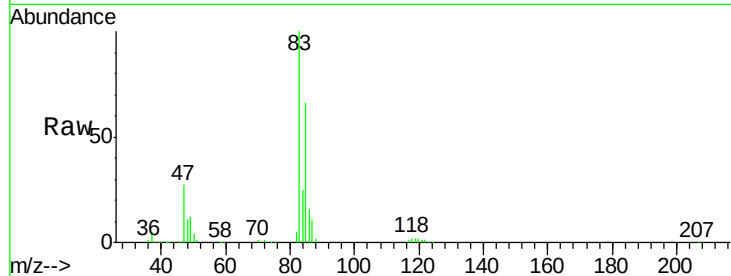




#25
Chloroform
Concen: 25.702 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW016591.D
Acq: 21 Sep 2020 11:18

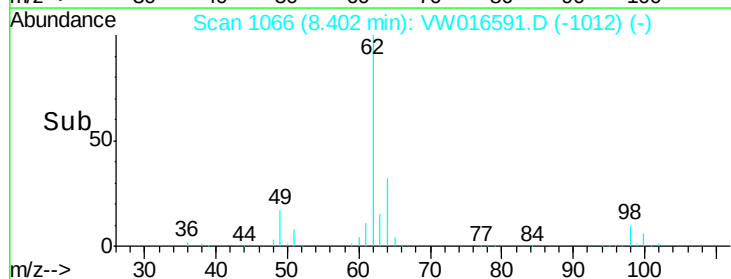
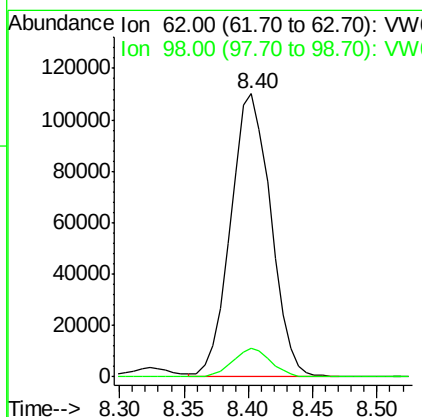
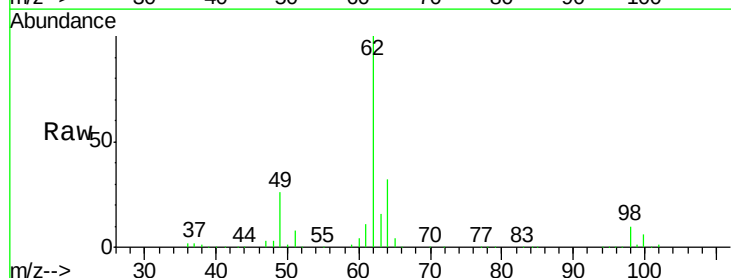
Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

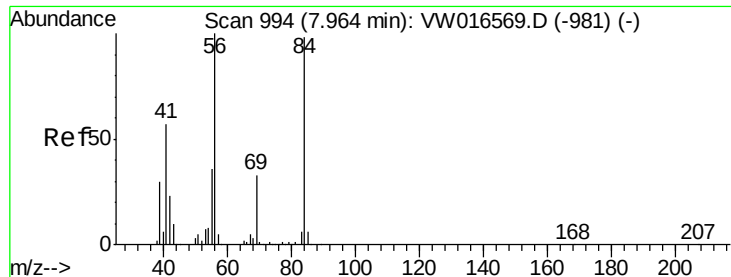
Tgt Ion: 83 Resp: 380483
Ion Ratio Lower Upper
83 100
85 66.5 46.1 85.5



#27
1,2-Dichloroethane
Concen: 25.045 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW016591.D
Acq: 21 Sep 2020 11:18

Tgt Ion: 62 Resp: 237894
Ion Ratio Lower Upper
62 100
98 10.2 7.9 11.9

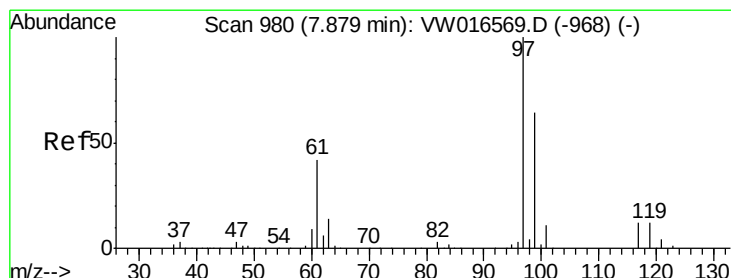
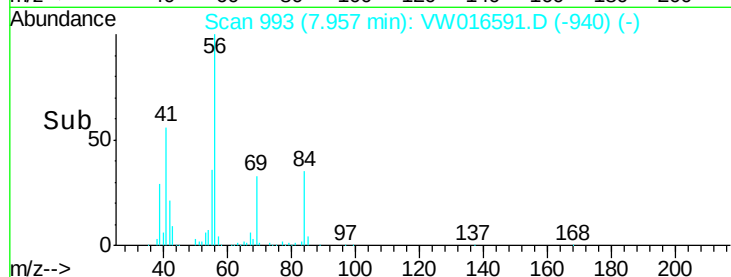
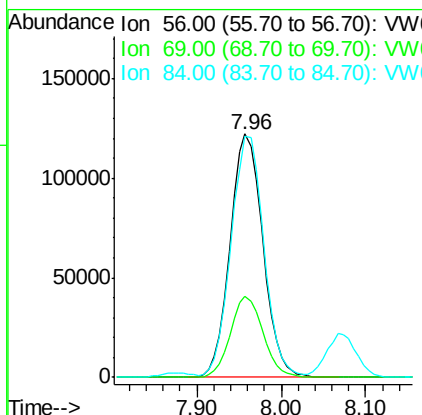
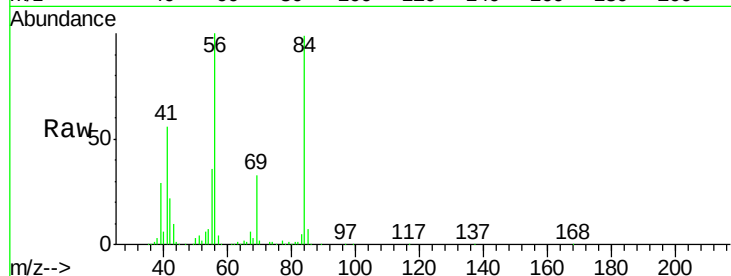




#30
Cyclohexane
Concen: 25.866 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.01 min
Lab File: VW016591.D
Acq: 21 Sep 2020 11:18

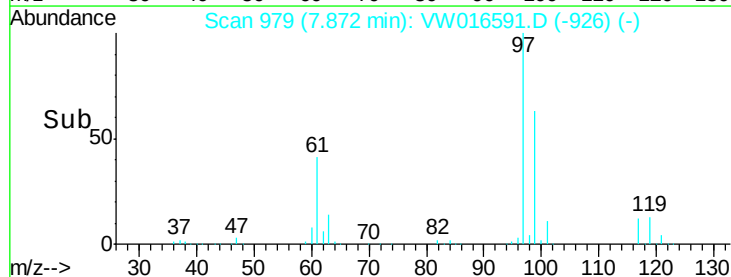
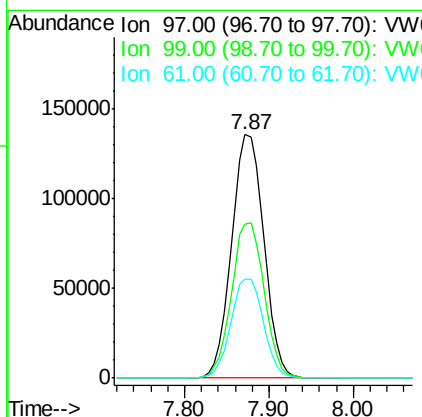
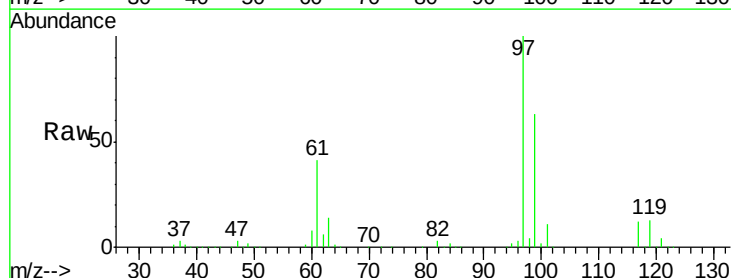
Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

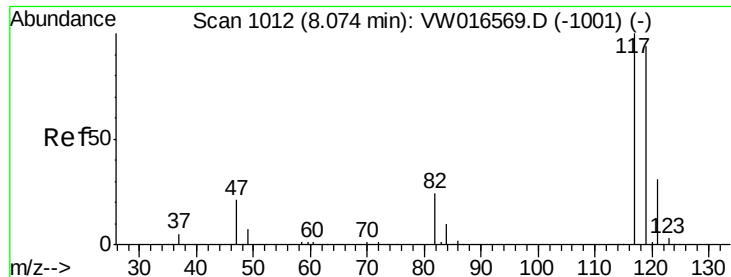
Tgt Ion: 56 Resp: 321503
Ion Ratio Lower Upper
56 100
69 33.1 26.5 39.7
84 99.4 79.0 118.6



#31
1,1,1-Trichloroethane
Concen: 26.402 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW016591.D
Acq: 21 Sep 2020 11:18

Tgt Ion: 97 Resp: 350730
Ion Ratio Lower Upper
97 100
99 64.4 51.8 77.6
61 41.2 33.6 50.4





#32

Carbon tetrachloride

Concen: 26.386 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW016591.D

Acq: 21 Sep 2020 11:18

Instrument :

MSVOA_W

ClientSampleId :

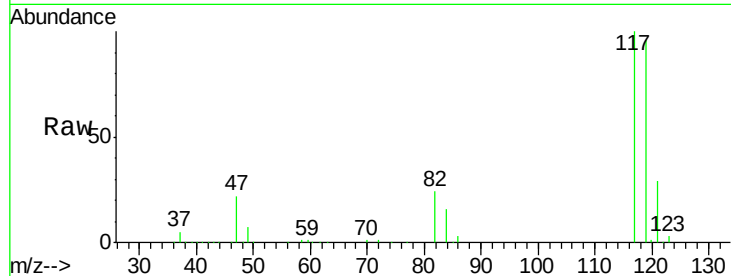
VSTD02524

Tgt Ion:117 Resp: 340542

Ion Ratio Lower Upper

117 100

119 97.9 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

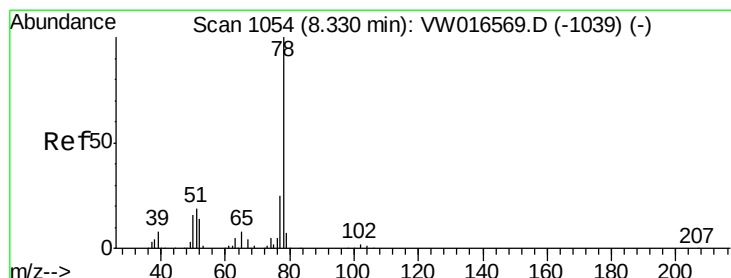
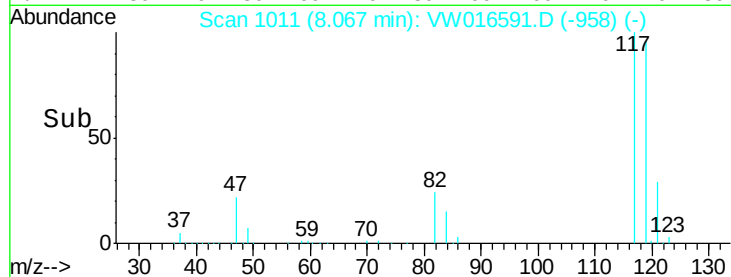
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 26.221 ug/L

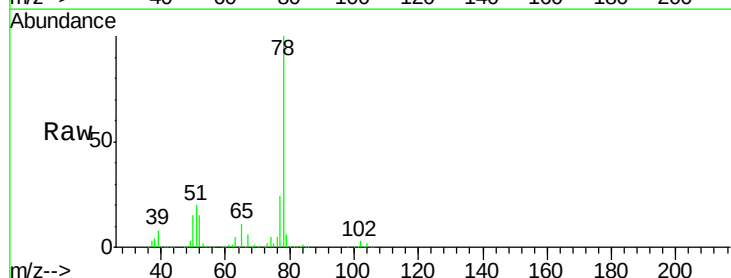
RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW016591.D

Acq: 21 Sep 2020 11:18

Tgt Ion: 78 Resp: 799376



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

400000

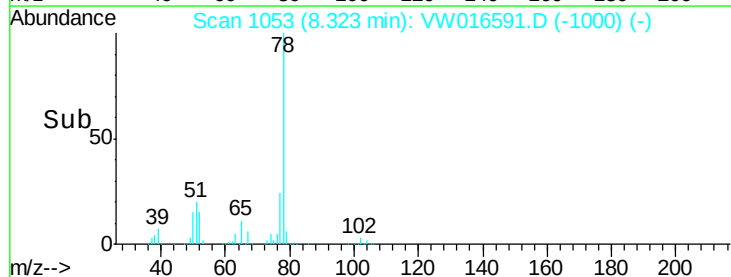
300000

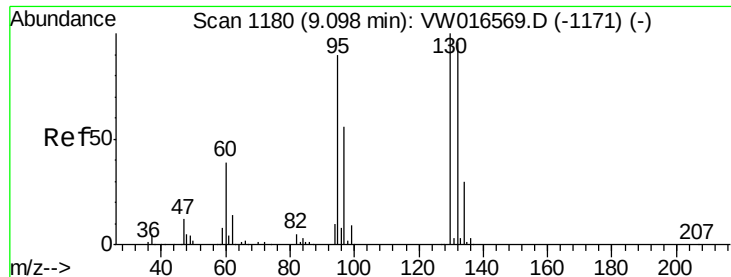
200000

100000

0

Time-->





#35

Trichloroethene

Concen: 26.313 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW016591.D

Acq: 21 Sep 2020 11:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

Tgt Ion: 95 Resp: 232091

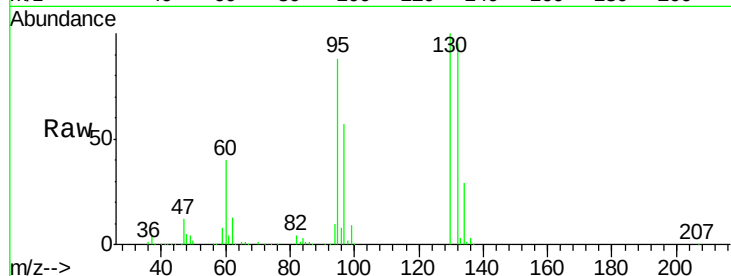
Ion Ratio Lower Upper

95 100

97 64.8 45.2 84.0

132 106.0 73.3 136.1

130 109.3 77.5 143.9



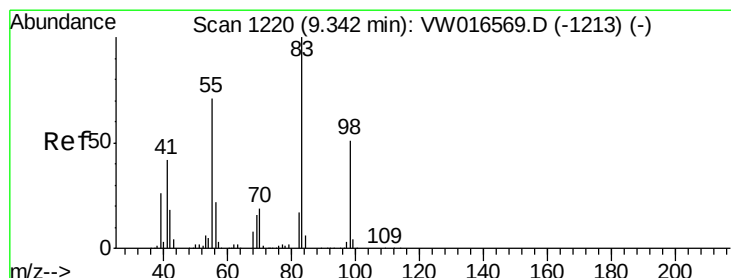
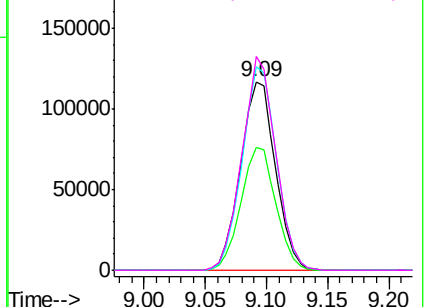
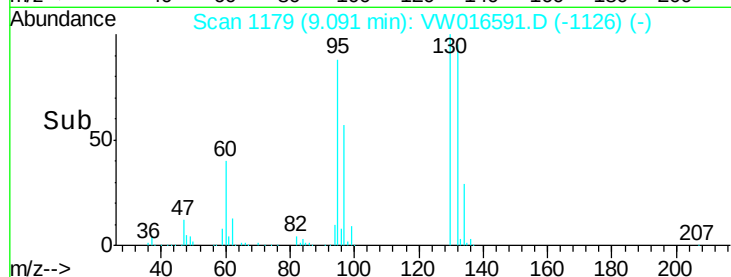
Abundance

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): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 26.081 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VW016591.D

Acq: 21 Sep 2020 11:18

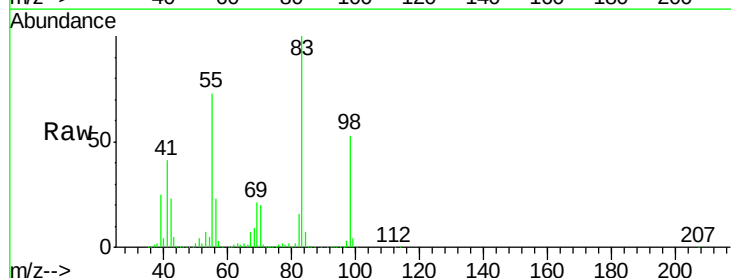
Tgt Ion: 83 Resp: 390203

Ion Ratio Lower Upper

83 100

55 70.7 55.9 83.9

98 52.7 42.1 63.1

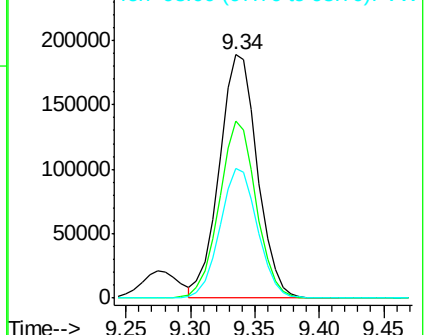
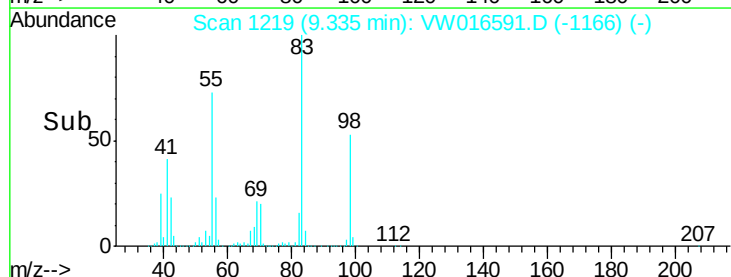


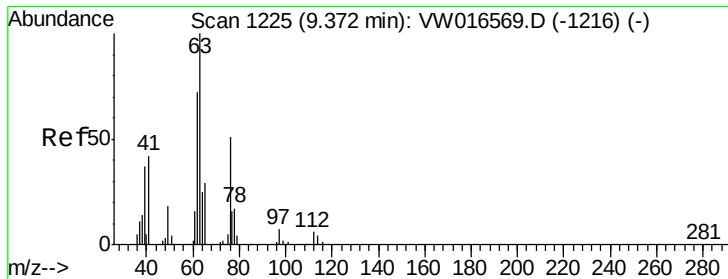
Abundance

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

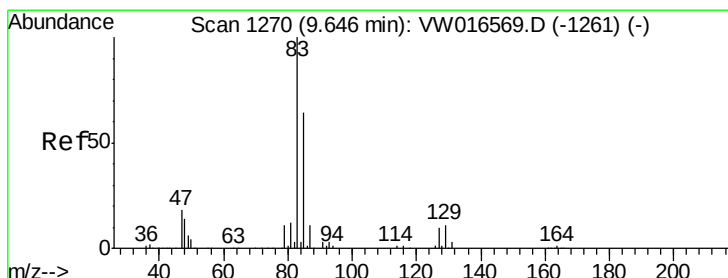
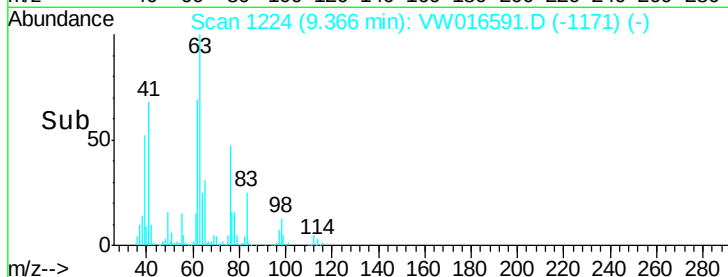
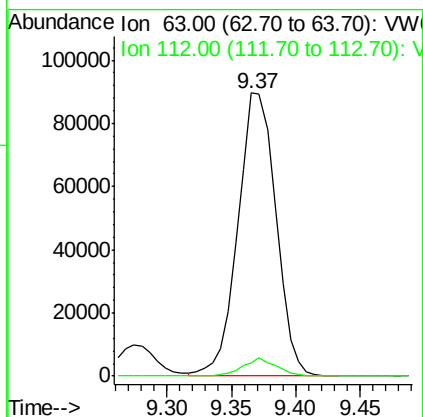
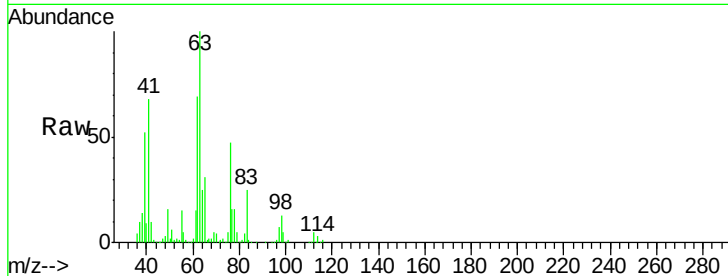




#40
 1,2-Dichloropropane
 Concen: 25.813 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW016591.D
 Acq: 21 Sep 2020 11:18

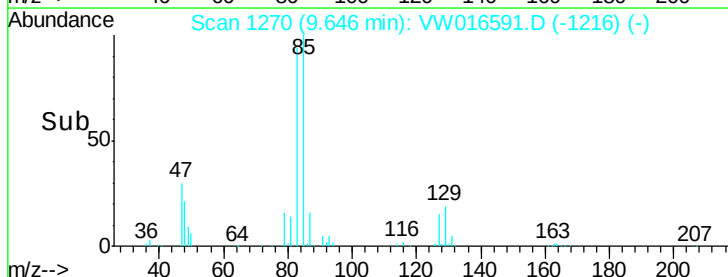
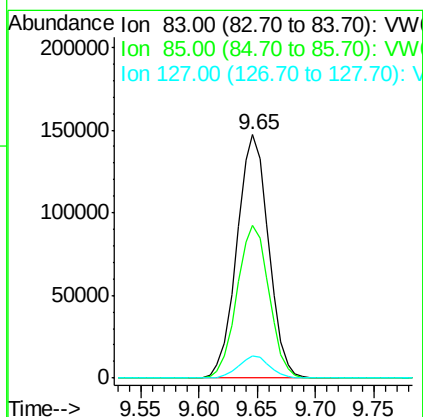
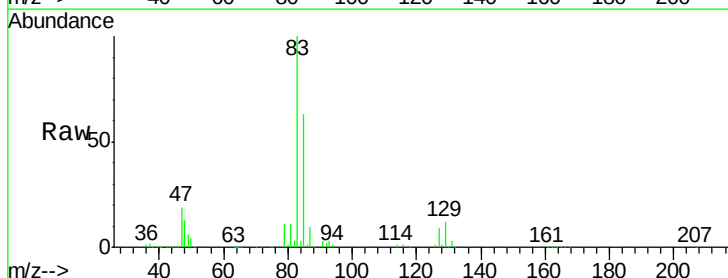
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

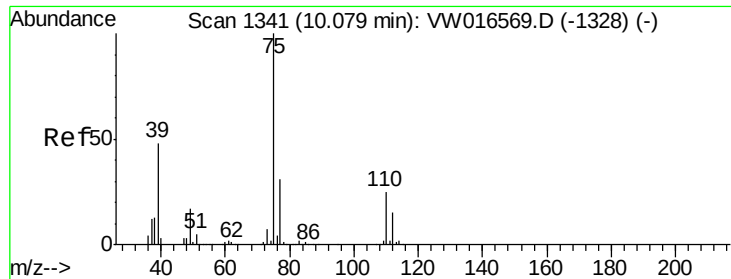
Tgt Ion: 63 Resp: 183030
 Ion Ratio Lower Upper
 63 100
 112 5.6 4.5 6.7



#41
 Bromodichloromethane
 Concen: 26.528 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW016591.D
 Acq: 21 Sep 2020 11:18

Tgt Ion: 83 Resp: 278742
 Ion Ratio Lower Upper
 83 100
 85 62.6 46.8 86.8
 127 9.2 6.8 10.2

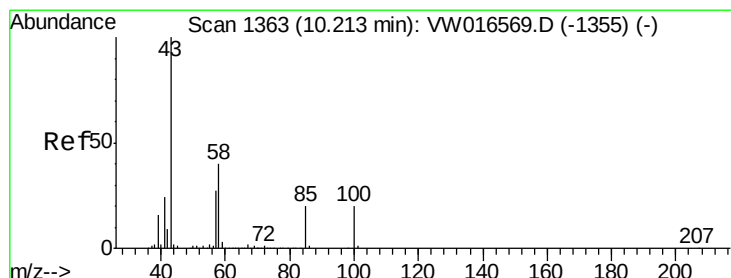
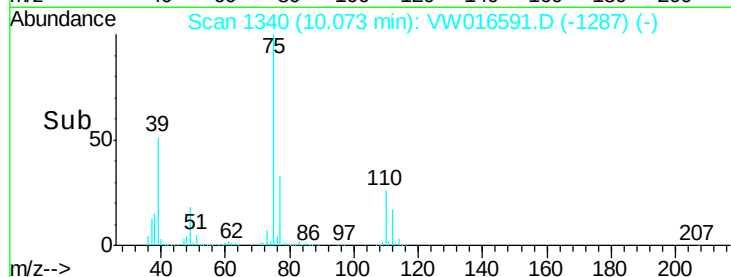
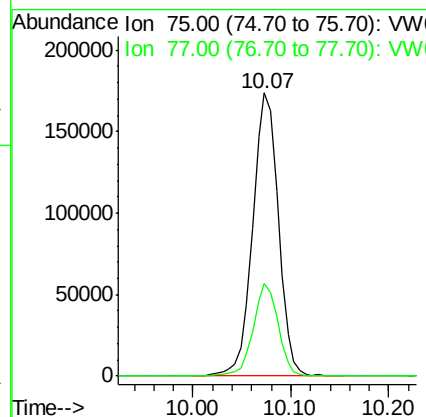
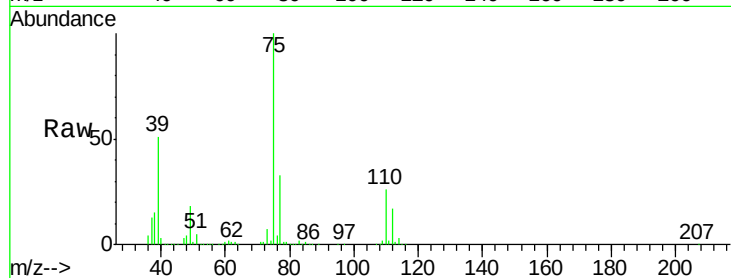




#42
 cis-1,3-Dichloropropene
 Concen: 26.315 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.01 min
 Lab File: VW016591.D
 Acq: 21 Sep 2020 11:18

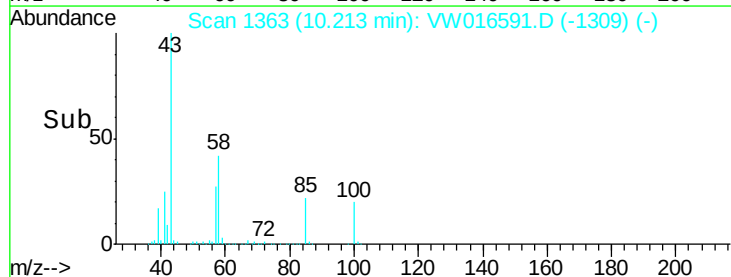
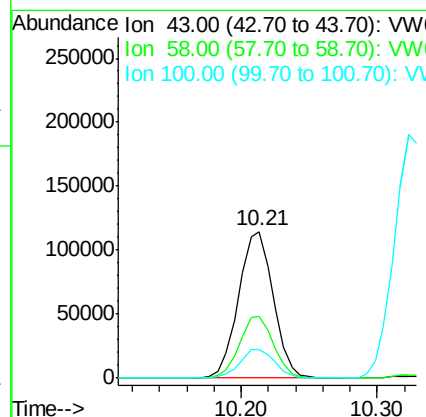
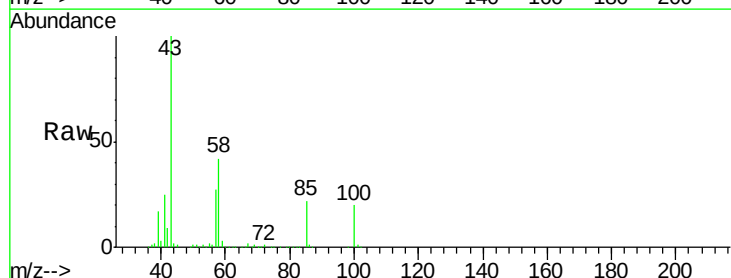
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

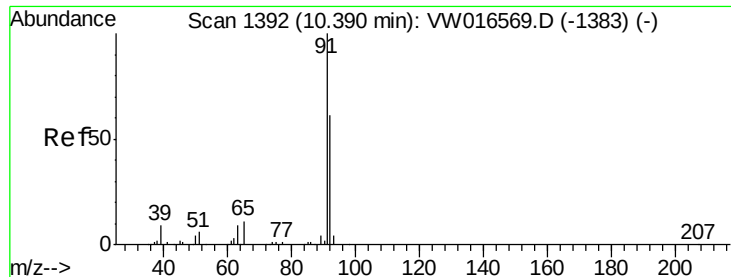
Tgt Ion: 75 Resp: 318713
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.2 41.2



#43
 4-Methyl-2-pentanone
 Concen: 45.204 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW016591.D
 Acq: 21 Sep 2020 11:18

Tgt Ion: 43 Resp: 203643
 Ion Ratio Lower Upper
 43 100
 58 41.5 32.2 48.4
 100 19.8 15.8 23.6





#44

Toluene

Concen: 26.601 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016591.D

Acq: 21 Sep 2020 11:18

Instrument :

MSVOA_W

ClientSampleId :

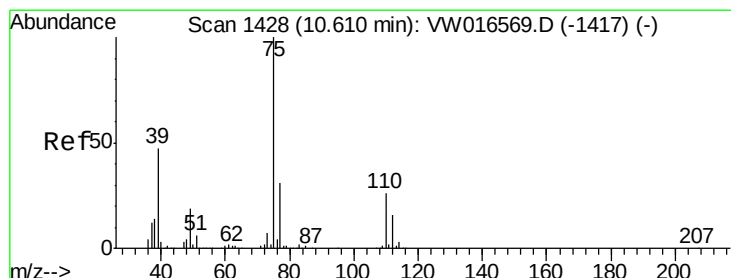
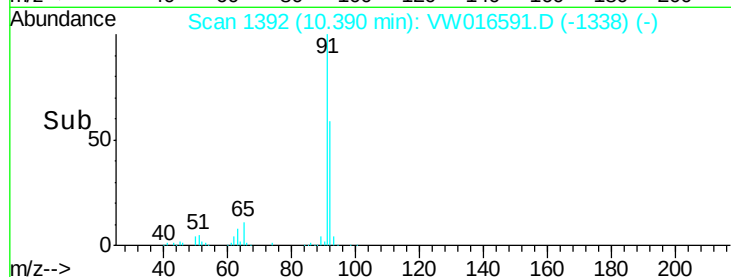
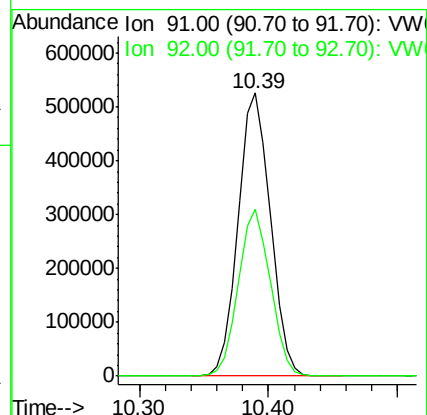
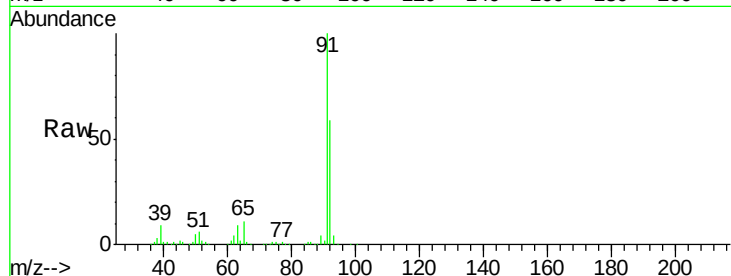
VSTD02524

Tgt Ion: 91 Resp: 911900

Ion Ratio Lower Upper

91 100

92 59.0 39.6 73.6



#45

trans-1,3-Dichloropropene

Concen: 26.264 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016591.D

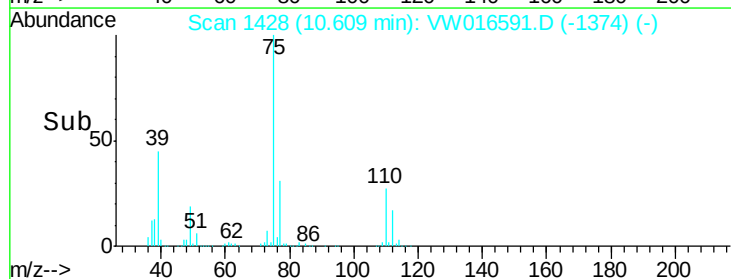
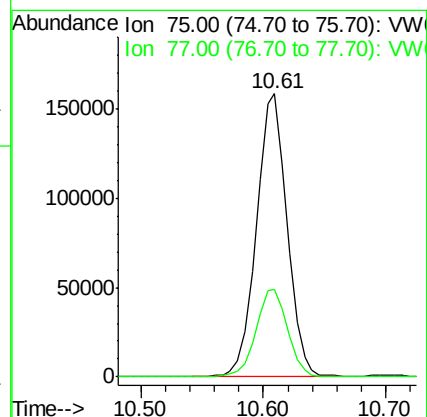
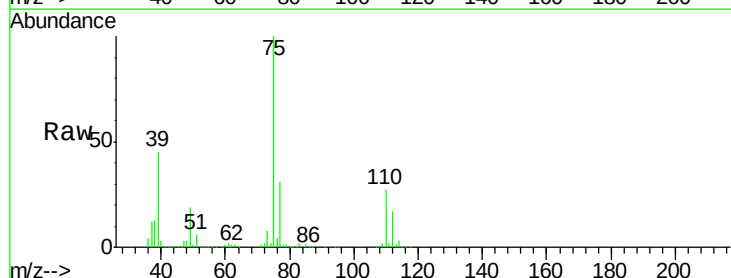
Acq: 21 Sep 2020 11:18

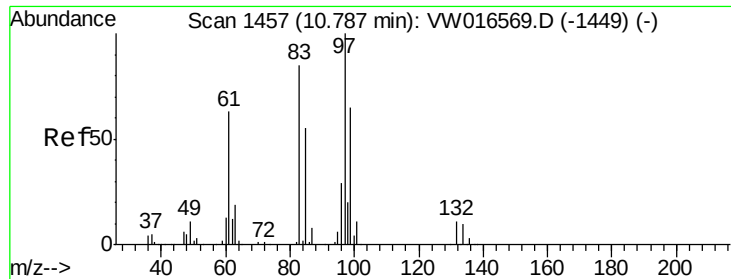
Tgt Ion: 75 Resp: 276762

Ion Ratio Lower Upper

75 100

77 30.8 22.5 41.9





#46

1,1,2-Trichloroethane

Concen: 25.389 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW016591.D

Acq: 21 Sep 2020 11:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

Tgt Ion: 97 Resp: 151658

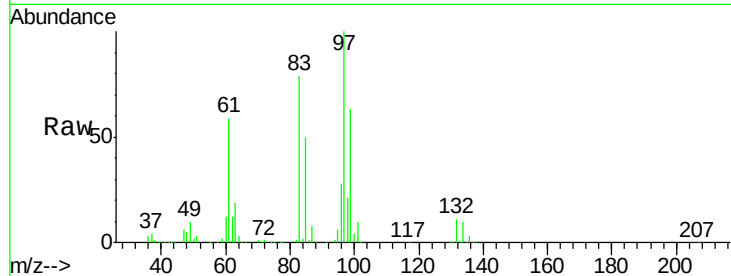
Ion Ratio Lower Upper

97 100

83 78.6 55.7 103.5

85 50.4 36.8 68.4

99 63.2 43.7 81.1

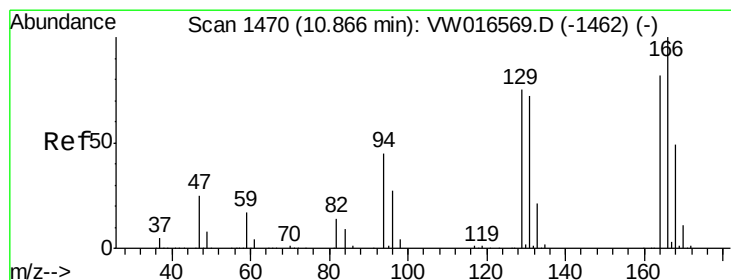
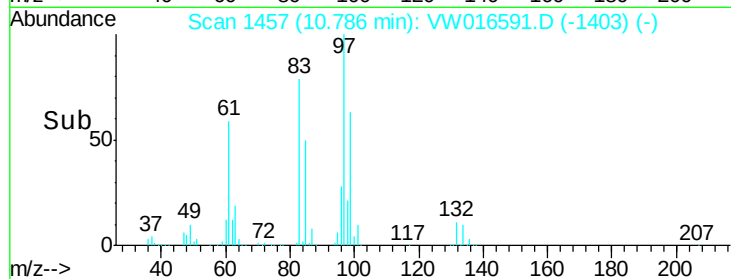
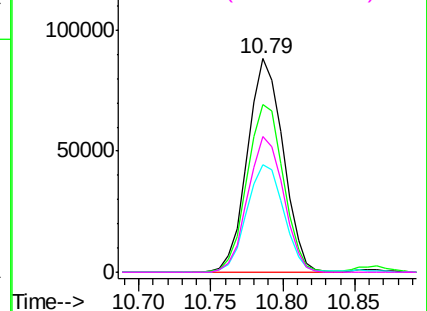


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 26.469 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016591.D

Acq: 21 Sep 2020 11:18

Tgt Ion: 164 Resp: 210819

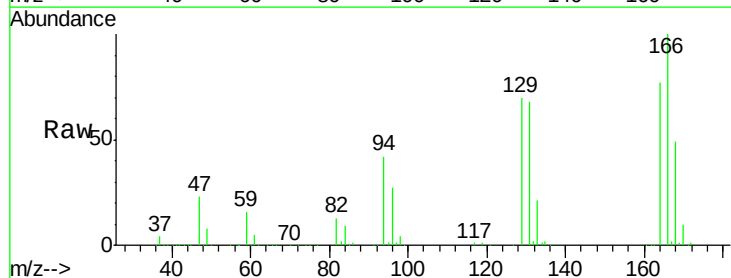
Ion Ratio Lower Upper

164 100

129 90.7 55.6 103.2

131 88.5 57.2 106.2

166 129.7 86.5 160.6

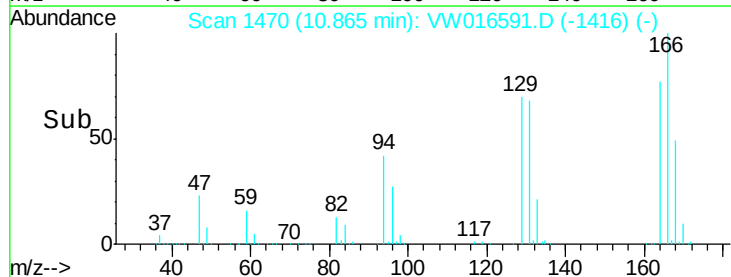
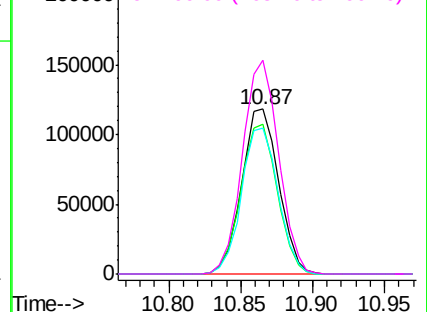


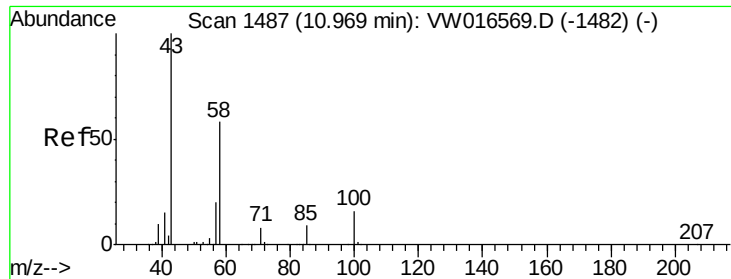
Abundance Ion 164.00 (163.70 to 164.70): V

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: 48.298 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW016591.D

Acq: 21 Sep 2020 11:18

Instrument :

MSVOA_W

ClientSampled :

VSTD02524

Tgt Ion: 43 Resp: 138085

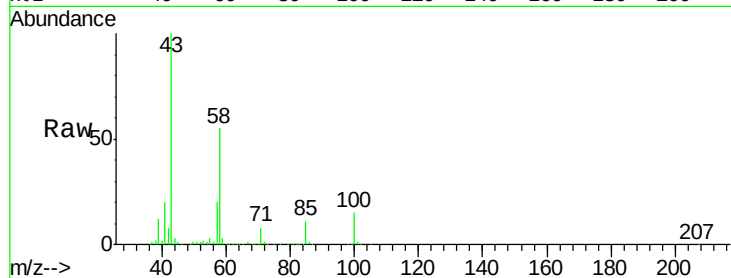
Ion Ratio Lower Upper

43 100

58 56.2 44.2 66.2

57 20.0 16.3 24.5

100 14.7 12.4 18.6

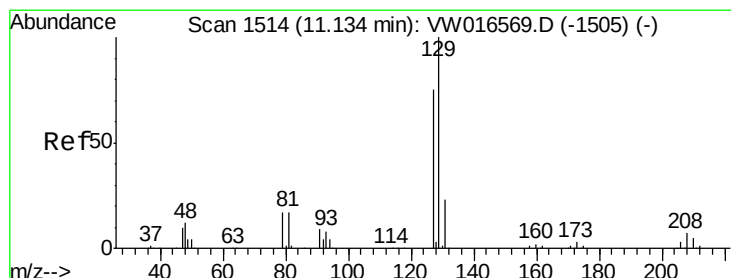
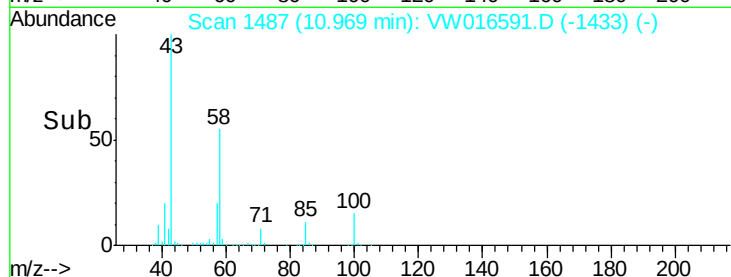
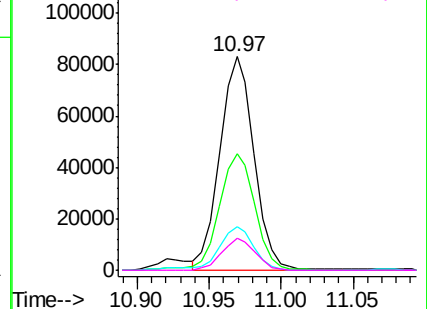


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 25.857 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VW016591.D

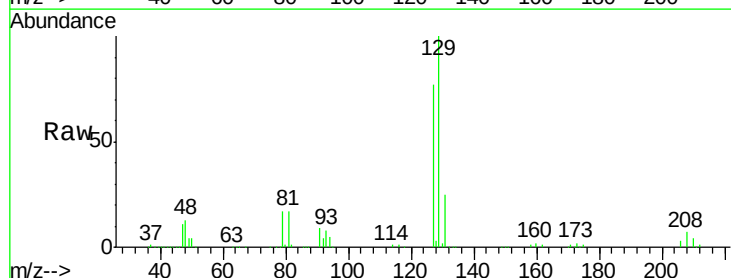
Acq: 21 Sep 2020 11:18

Tgt Ion: 129 Resp: 201659

Ion Ratio Lower Upper

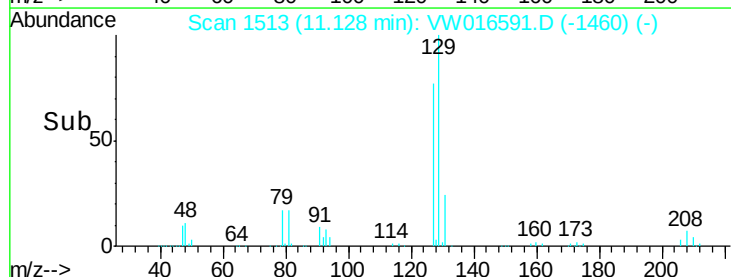
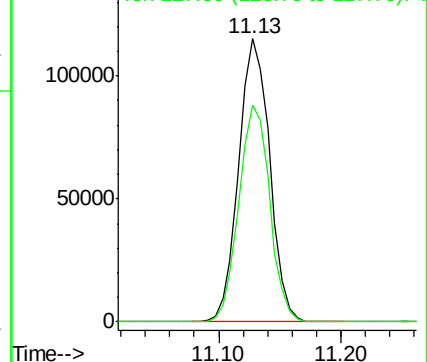
129 100

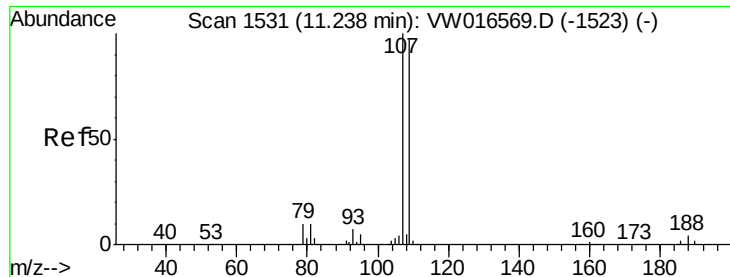
127 76.6 52.4 97.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

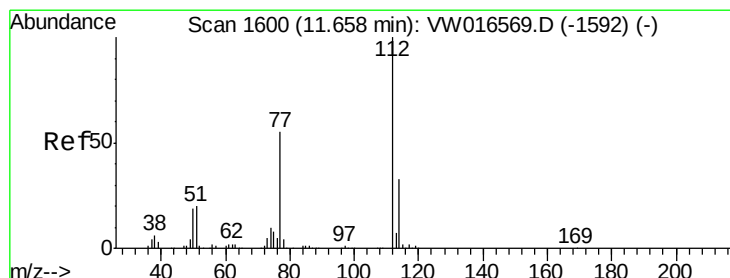
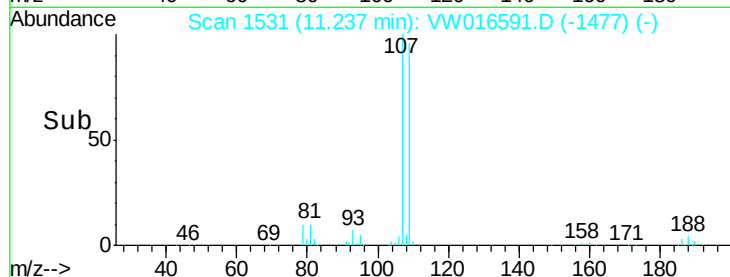
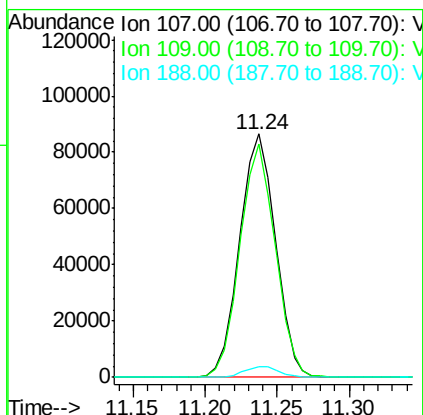
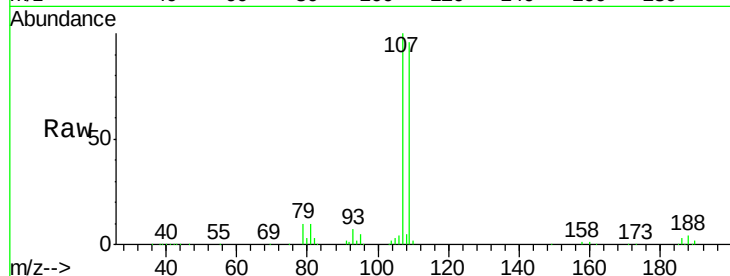




#51
 1,2-Dibromoethane
 Concen: 25.062 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW016591.D
 Acq: 21 Sep 2020 11:18

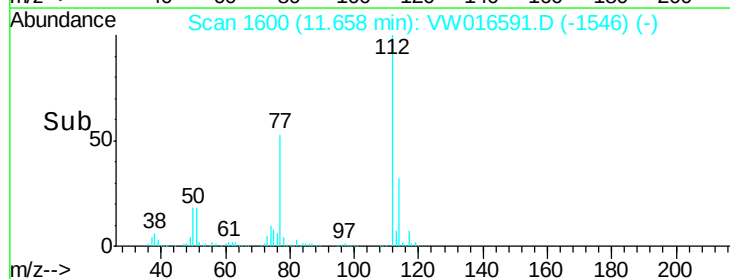
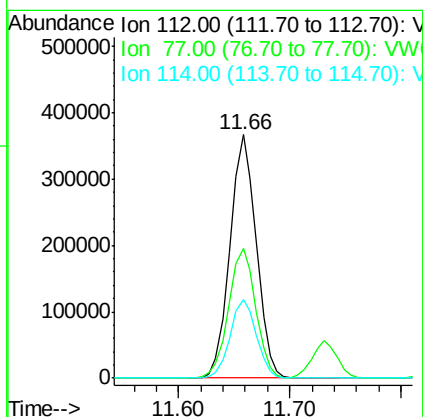
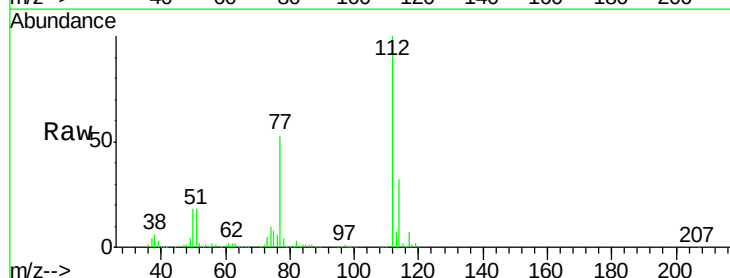
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

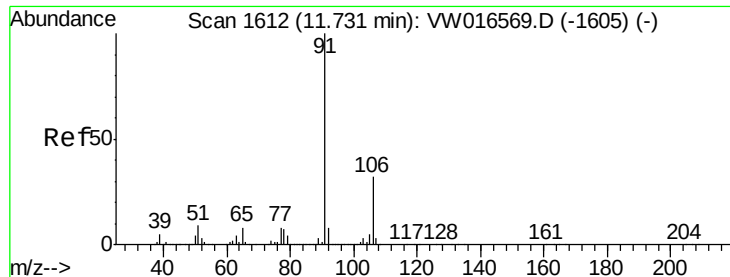
Tgt Ion:107 Resp: 149890
 Ion Ratio Lower Upper
 107 100
 109 95.6 63.0 117.0
 188 4.1 3.1 4.7



#52
 Chlorobenzene
 Concen: 25.943 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW016591.D
 Acq: 21 Sep 2020 11:18

Tgt Ion:112 Resp: 597395
 Ion Ratio Lower Upper
 112 100
 77 53.5 43.1 64.7
 114 32.2 22.3 41.3

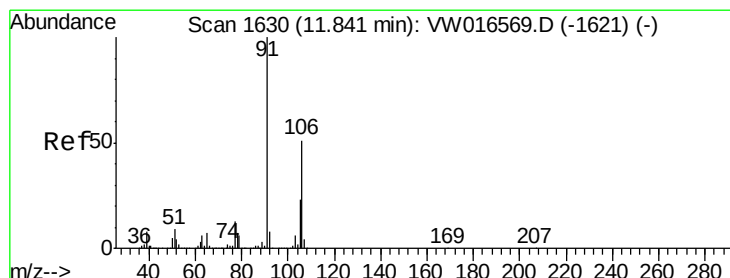
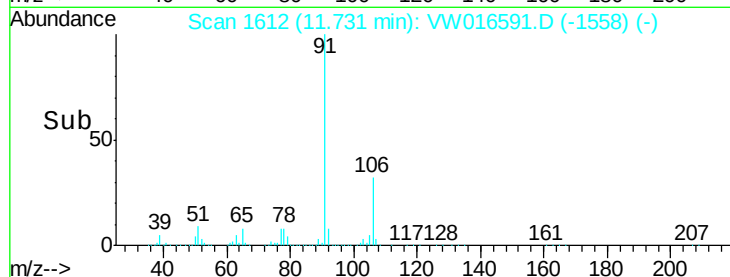
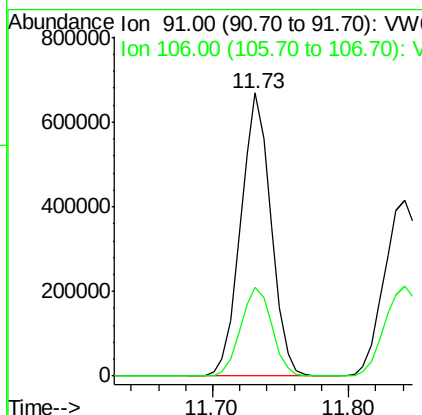
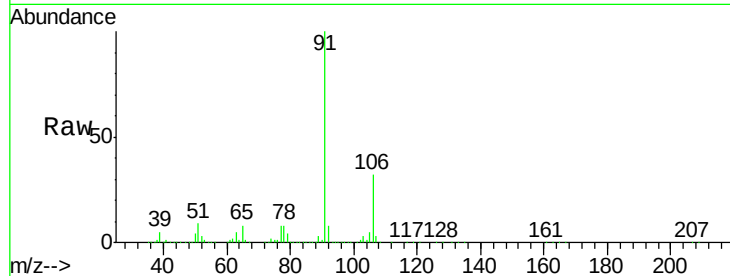




#53
Ethylbenzene
Concen: 26.633 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016591.D
Acq: 21 Sep 2020 11:18

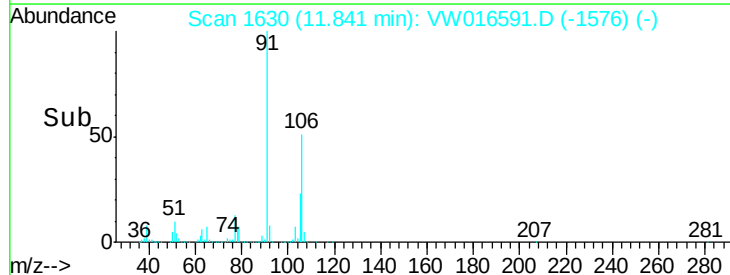
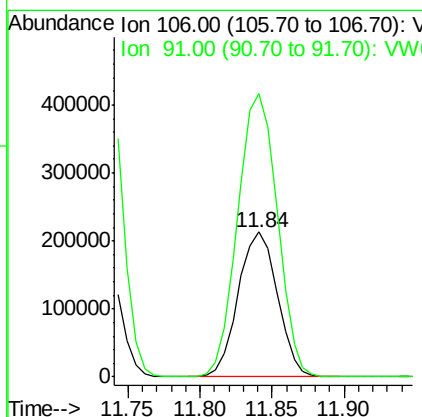
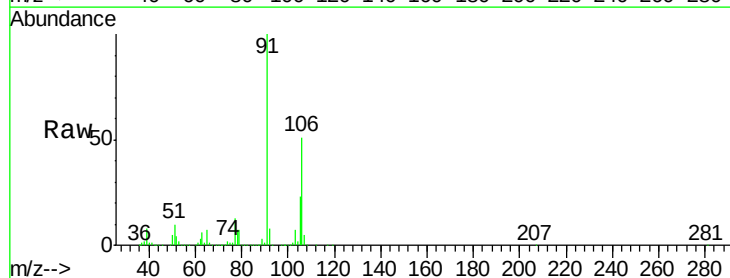
Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

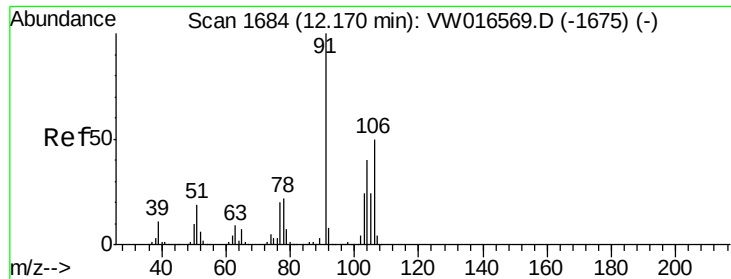
Tgt Ion: 91 Resp: 1036572
Ion Ratio Lower Upper
91 100
106 31.6 20.7 38.5



#54
m,p-Xylene
Concen: 26.490 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW016591.D
Acq: 21 Sep 2020 11:18

Tgt Ion: 106 Resp: 403713
Ion Ratio Lower Upper
106 100
91 195.2 139.7 259.5

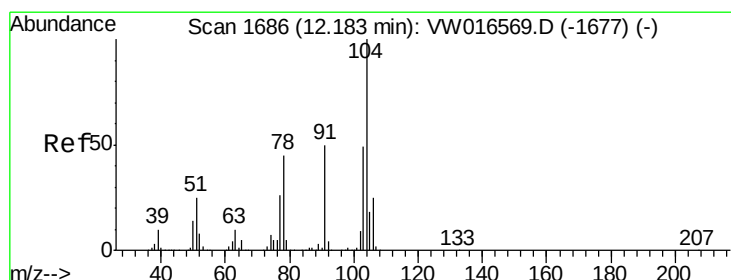
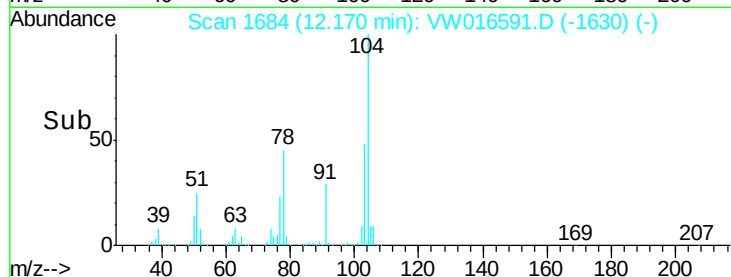
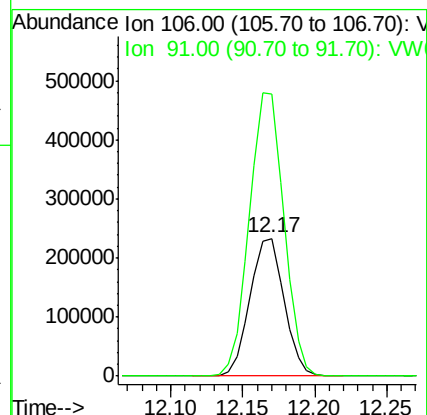
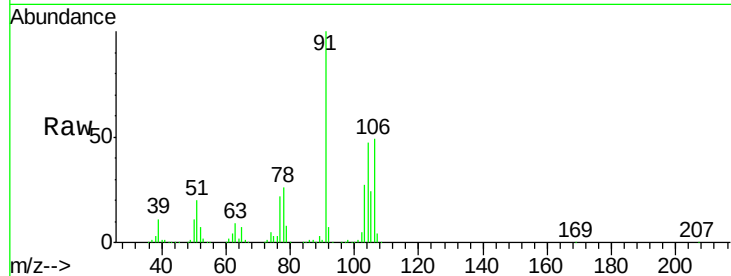




#55
o-xylene
Concen: 26.173 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW016591.D
Acq: 21 Sep 2020 11:18

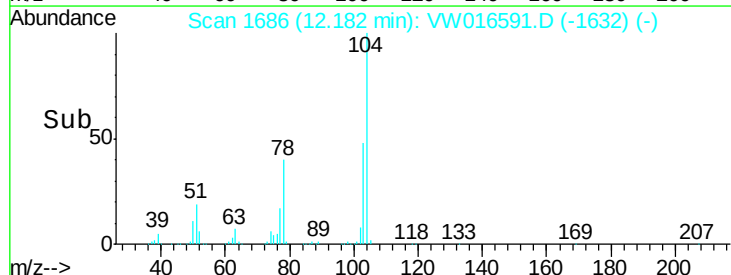
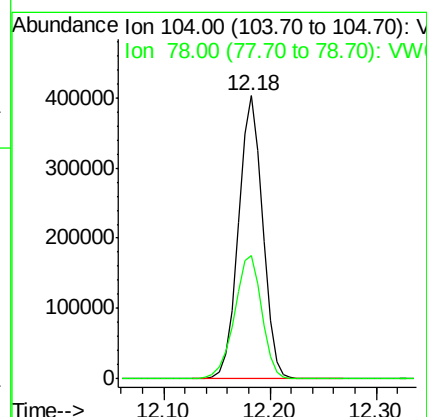
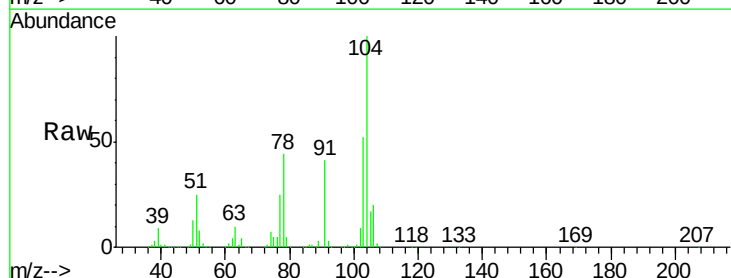
Instrument :
MSVOA_W
ClientSampled :
VSTD02524

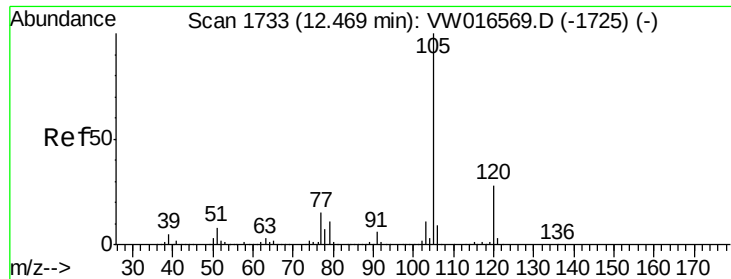
Tgt Ion:106 Resp: 382143
Ion Ratio Lower Upper
106 100
91 205.3 144.8 268.8



#56
Styrene
Concen: 26.574 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016591.D
Acq: 21 Sep 2020 11:18

Tgt Ion:104 Resp: 644271
Ion Ratio Lower Upper
104 100
78 43.8 31.4 58.2





#57

Isopropylbenzene

Concen: 26.569 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW016591.D

Acq: 21 Sep 2020 11:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

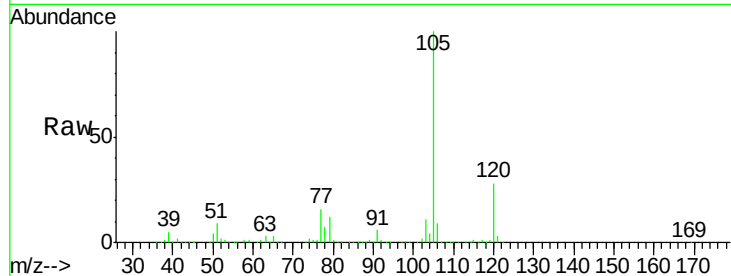
Tgt Ion:105 Resp: 1059984

Ion Ratio Lower Upper

105 100

120 27.7 21.8 32.8

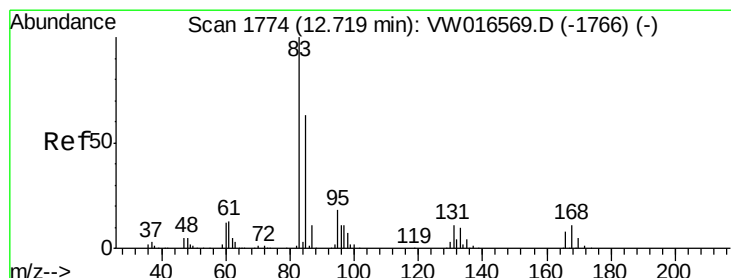
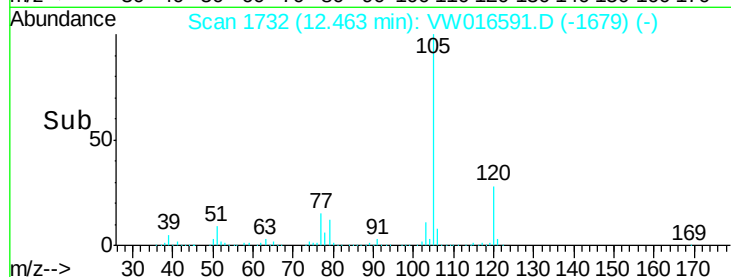
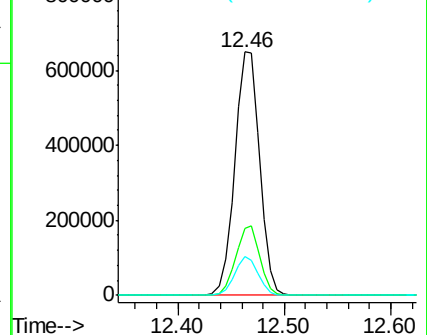
77 15.1 12.2 18.2



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: 24.881 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW016591.D

Acq: 21 Sep 2020 11:18

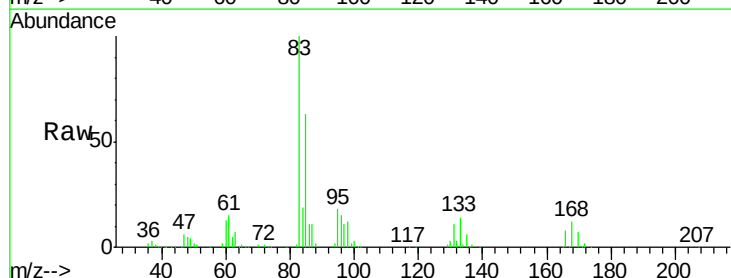
Tgt Ion: 83 Resp: 166202

Ion Ratio Lower Upper

83 100

85 63.2 46.0 85.4

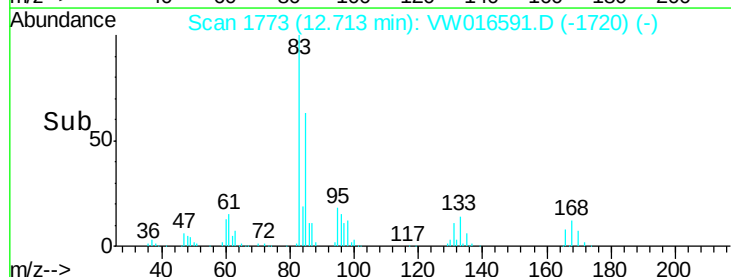
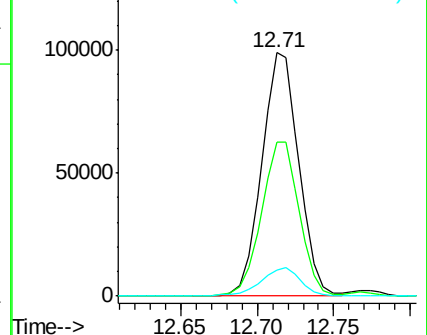
131 10.8 9.0 13.6

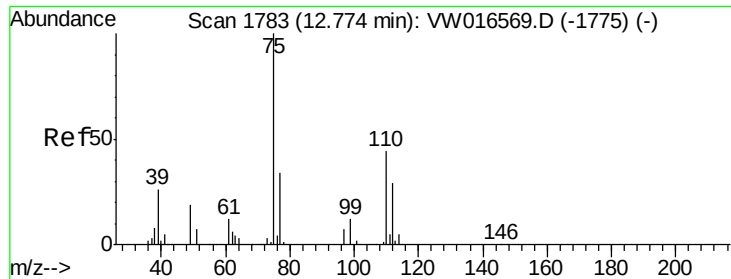


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.006 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW016591.D

Acq: 21 Sep 2020 11:18

Instrument :

MSVOA_W

ClientSampleId :

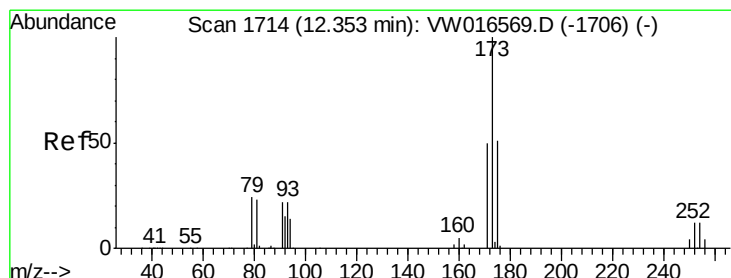
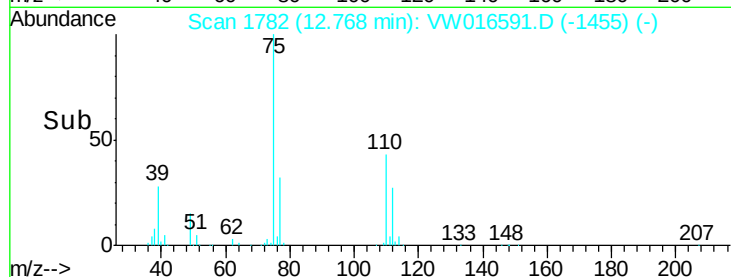
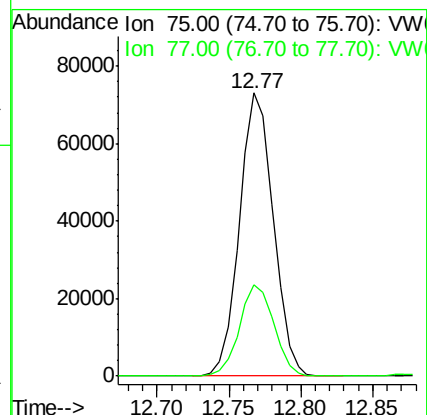
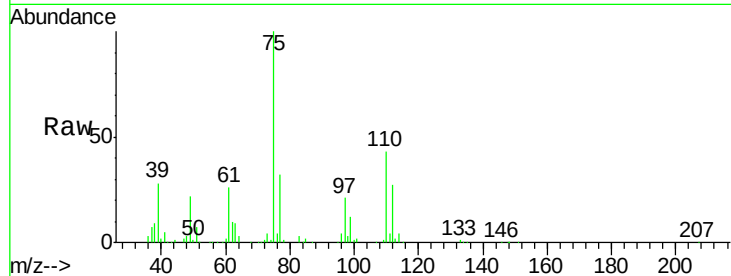
VSTD02524

Tgt Ion: 75 Resp: 119441

Ion Ratio Lower Upper

75 100

77 32.6 26.2 39.4



#62

Bromoform

Concen: 24.305 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW016591.D

Acq: 21 Sep 2020 11:18

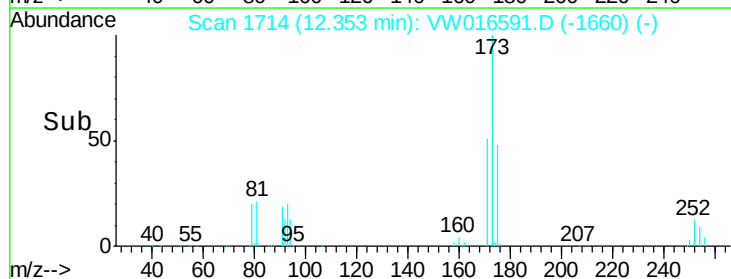
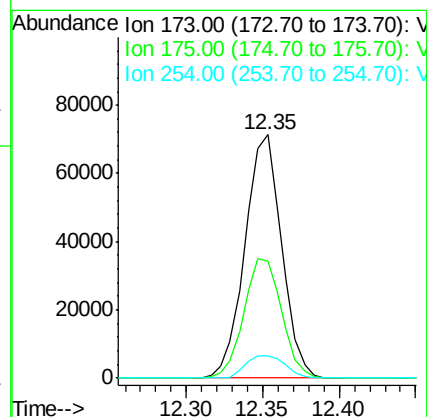
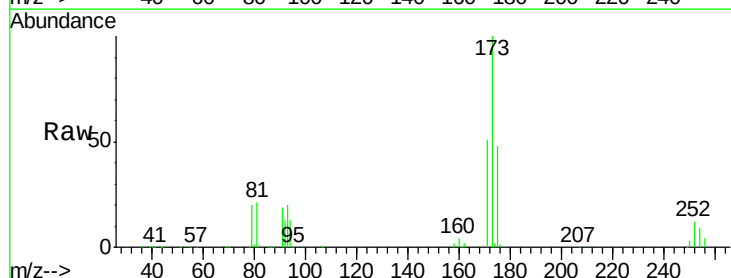
Tgt Ion: 173 Resp: 119051

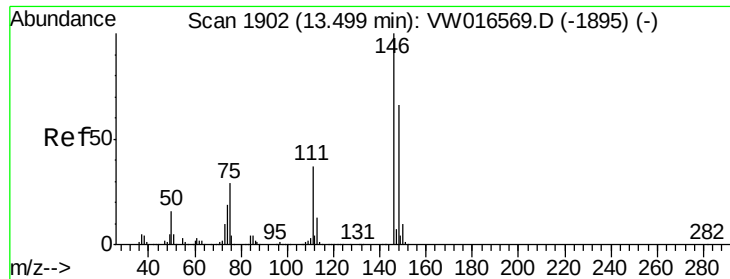
Ion Ratio Lower Upper

173 100

175 50.6 38.6 57.8

254 9.9 8.2 12.4





#63

1,3-Dichlorobenzene

Concen: 25.919 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW016591.D

Acq: 21 Sep 2020 11:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

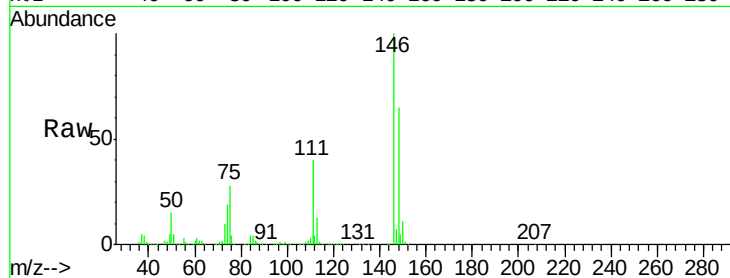
Tgt Ion:146 Resp: 489587

Ion Ratio Lower Upper

146 100

111 39.9 25.0 46.4

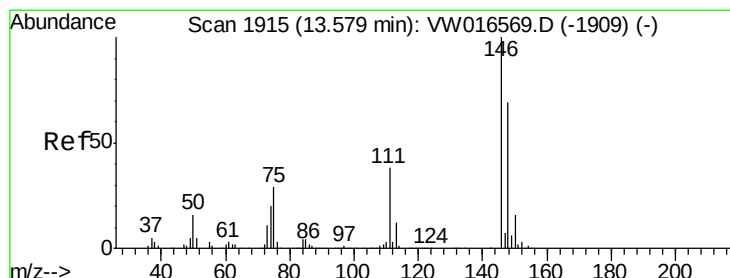
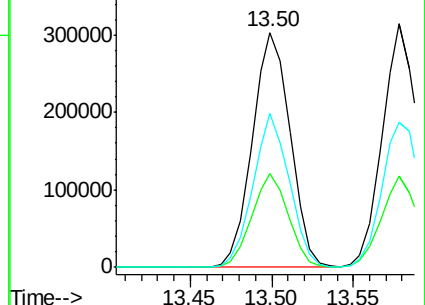
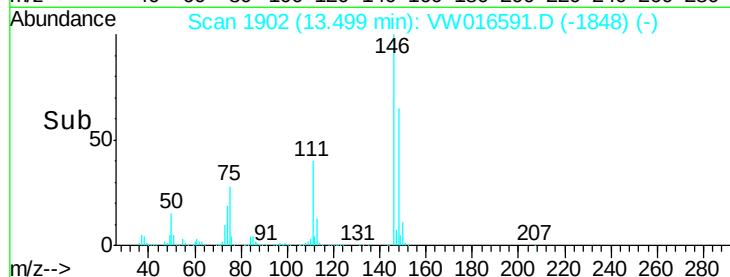
148 65.4 44.0 81.8



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



#64

1,4-Dichlorobenzene

Concen: 26.246 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW016591.D

Acq: 21 Sep 2020 11:18

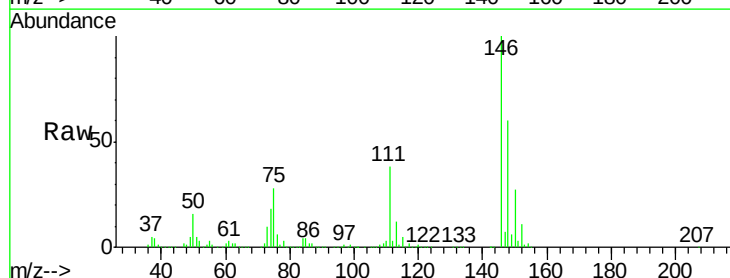
Tgt Ion:146 Resp: 485500

Ion Ratio Lower Upper

146 100

111 37.7 25.1 46.5

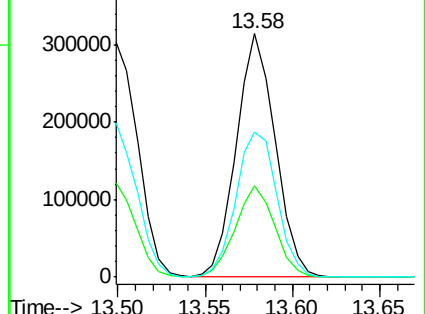
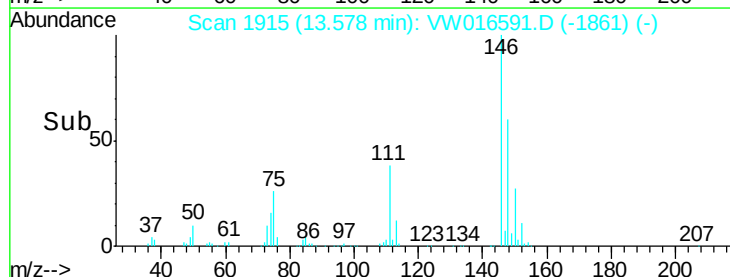
148 59.5 42.3 78.5

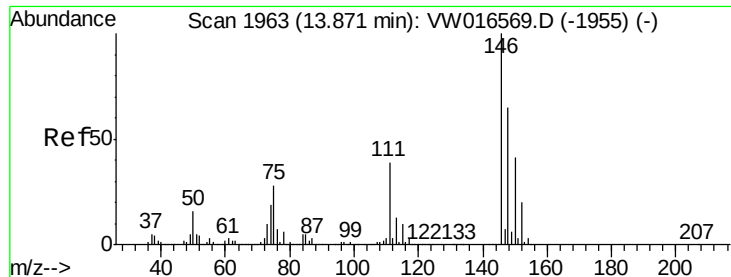


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

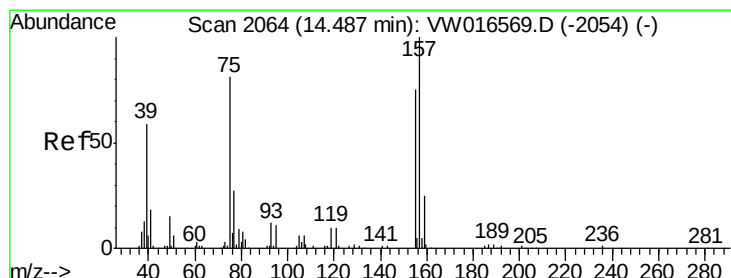
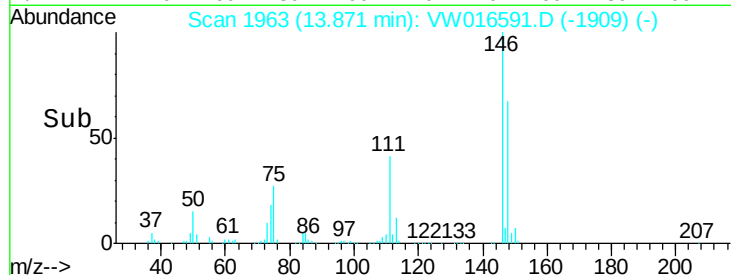
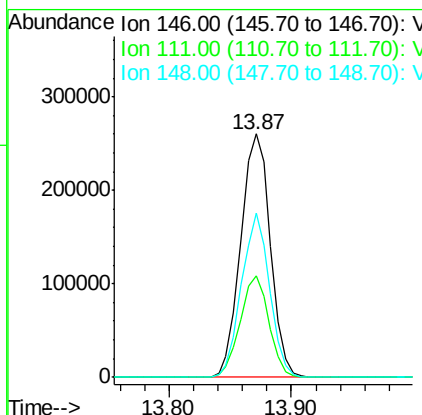
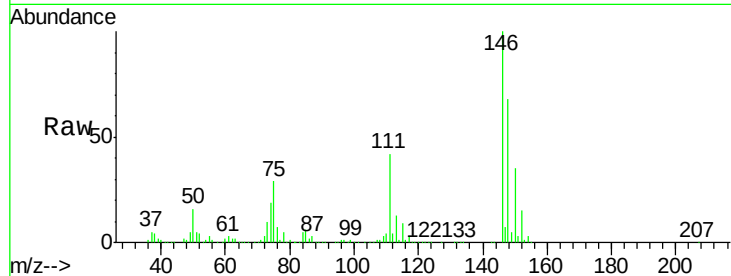




#65
 1,2-Dichlorobenzene
 Concen: 25.862 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW016591.D
 Acq: 21 Sep 2020 11:18

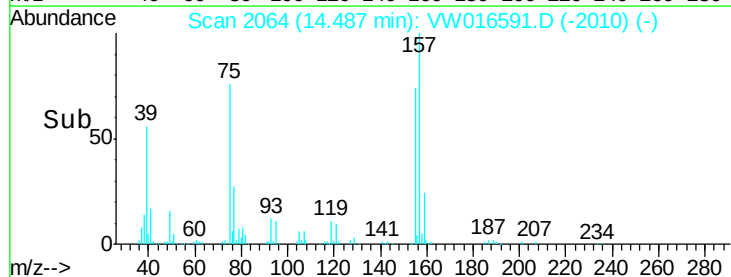
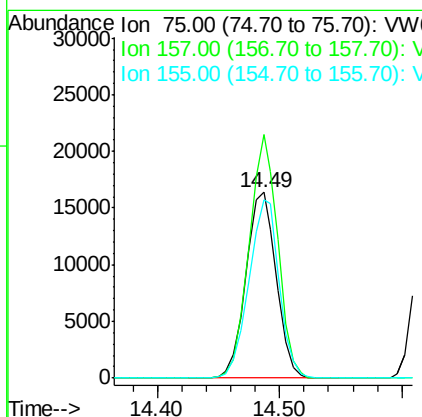
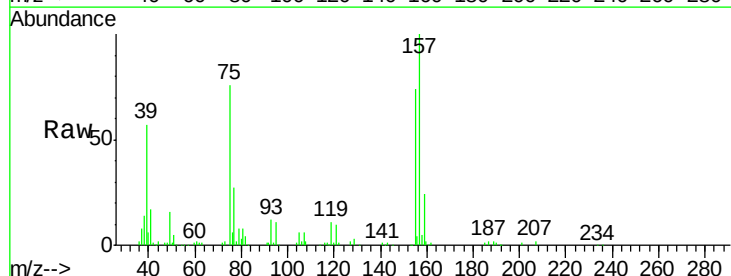
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

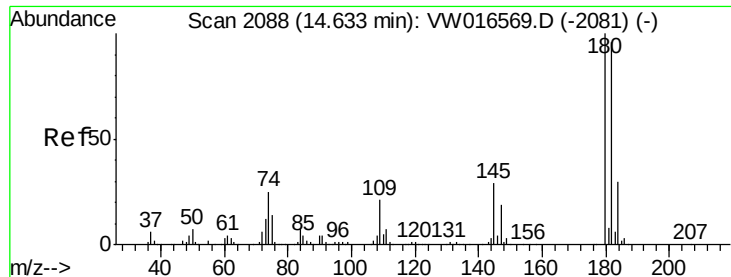
Tgt Ion: 146 Resp: 436504
 Ion Ratio Lower Upper
 146 100
 111 41.5 31.4 47.0
 148 67.6 49.3 73.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.335 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW016591.D
 Acq: 21 Sep 2020 11:18

Tgt Ion: 75 Resp: 28231
 Ion Ratio Lower Upper
 75 100
 157 131.1 92.2 138.4
 155 96.4 73.5 110.3

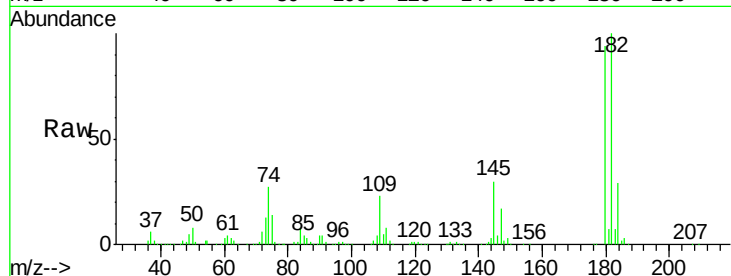




#67
 1,3,5-Trichlorobenzene
 Concen: 26.222 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW016591.D
 Acq: 21 Sep 2020 11:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.7	73.8	110.8
184	30.9	23.7	35.5
145	30.0	22.8	34.2

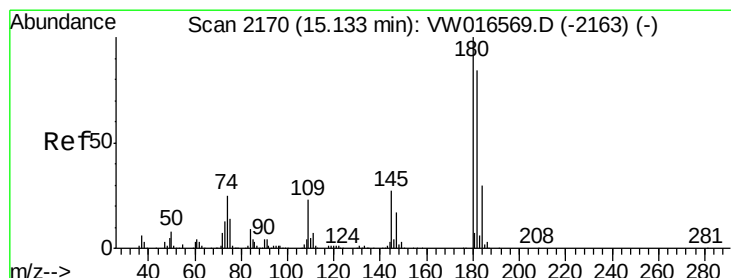
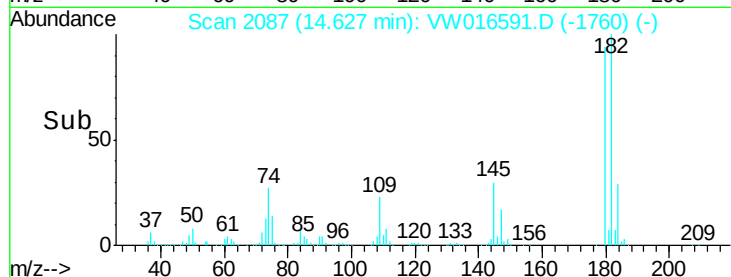
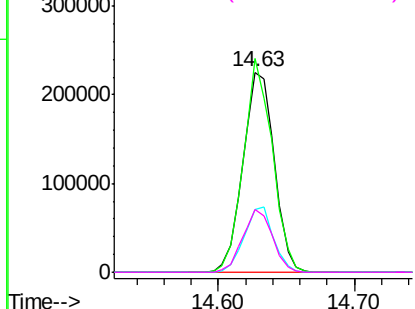


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

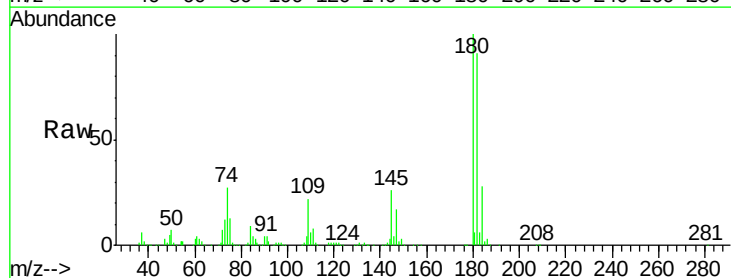
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 27.735 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016591.D
 Acq: 21 Sep 2020 11:18

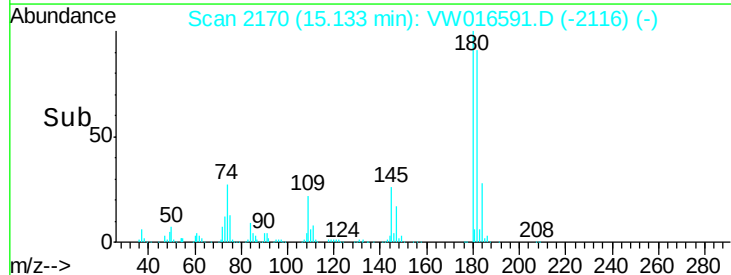
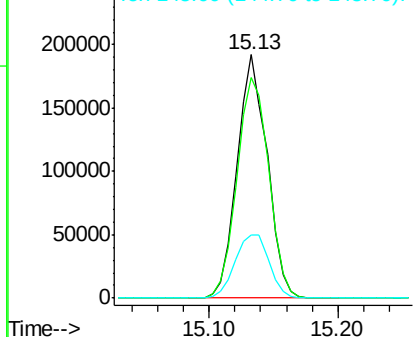
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	74.5	111.7
145	29.2	23.1	34.7

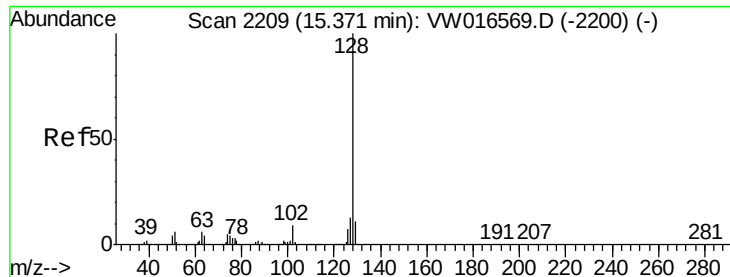


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 27.059 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW016591.D

Acq: 21 Sep 2020 11:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

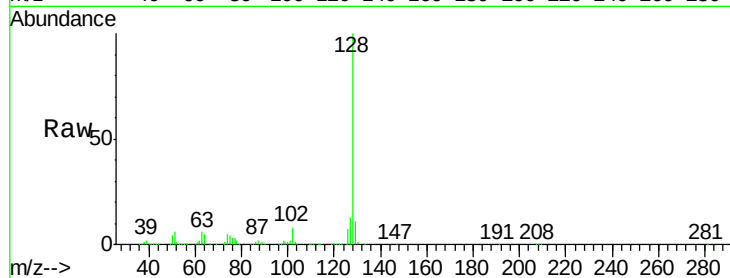
Tgt Ion:128 Resp: 536050

Ion Ratio Lower Upper

128 100

129 10.6 8.9 13.3

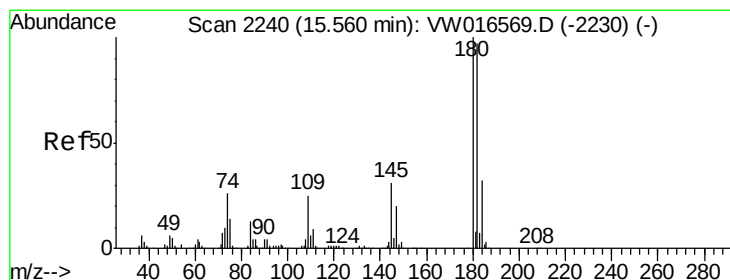
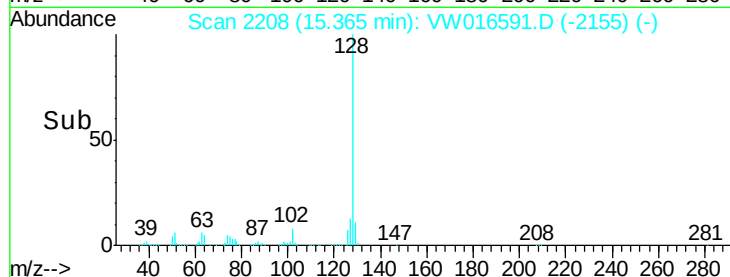
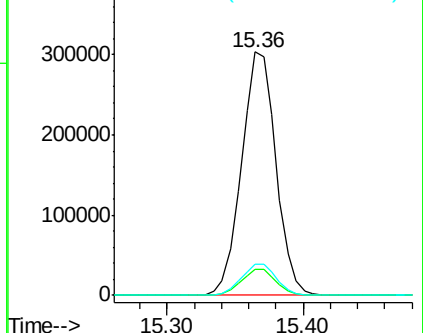
127 13.1 10.8 16.2



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: 26.914 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW016591.D

Acq: 21 Sep 2020 11:18

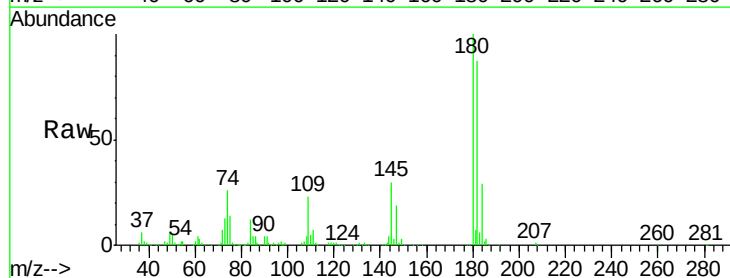
Tgt Ion:180 Resp: 258680

Ion Ratio Lower Upper

180 100

182 95.9 76.3 114.5

145 31.8 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

