

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101620\
 Data File : VW016906.D
 Acq On : 15 Oct 2020 09:55
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Quant Time: Oct 16 08:10:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 15 10:48:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	553238	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	492705	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	239287	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	127905	23.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.76%
7) Chloroethane-d5	2.89	69	110060	24.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.16%
10) 1,1-Dichloroethene-d2	4.03	63	289401	24.97	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.88%
20) 2-Butanone-d5	7.08	46	63258	51.17	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.34%
24) Chloroform-d	7.65	84	304967	26.12	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.48%
26) 1,2-Dichloroethane-d4	8.31	65	141611	25.12	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.48%
29) Benzene-d6	8.27	84	583234	26.06	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.24%
33) 1,2-Dichloropropane-d6	9.27	67	159416	26.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.04%
37) Toluene-d8	10.32	98	546185	25.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.48%
38) trans-1,3-Dichloropropene-	10.58	79	68902	25.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.92%
39) 2-Hexanone-d5	10.93	63	53181	57.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.36%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	129726	26.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.80%
61) 1,2-Dichlorobenzene-d4	13.85	152	201687	26.57	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.28%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	159184	24.073	ug/L 99
3) Chloromethane	2.21	50	131522	22.563	ug/L 99
5) Vinyl chloride	2.37	62	208892	27.605	ug/L 100
6) Bromomethane	2.78	94	140476	25.251	ug/L 100
8) Chloroethane	2.93	64	123164	26.371	ug/L 99
9) Trichlorofluoromethane	3.26	101	147188	25.174	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	200969	26.981	ug/L # 37
12) 1,1-Dichloroethene	4.04	96	191656	26.794	ug/L 98
13) Acetone	4.13	43	44280	47.333	ug/L 99
14) Carbon disulfide	4.39	76	539035	26.281	ug/L 100
15) Methyl Acetate	4.67	43	57547	25.746	ug/L 99
16) Methylene chloride	4.92	84	184181	24.123	ug/L 96
17) Methyl tert-butyl Ether	5.42	73	214444	26.791	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	198702	26.591	ug/L 99
19) 1,1-Dichloroethane	6.22	63	308211	26.784	ug/L 99
21) 2-Butanone	7.17	43	71340	45.427	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	202816	26.600	ug/L 97

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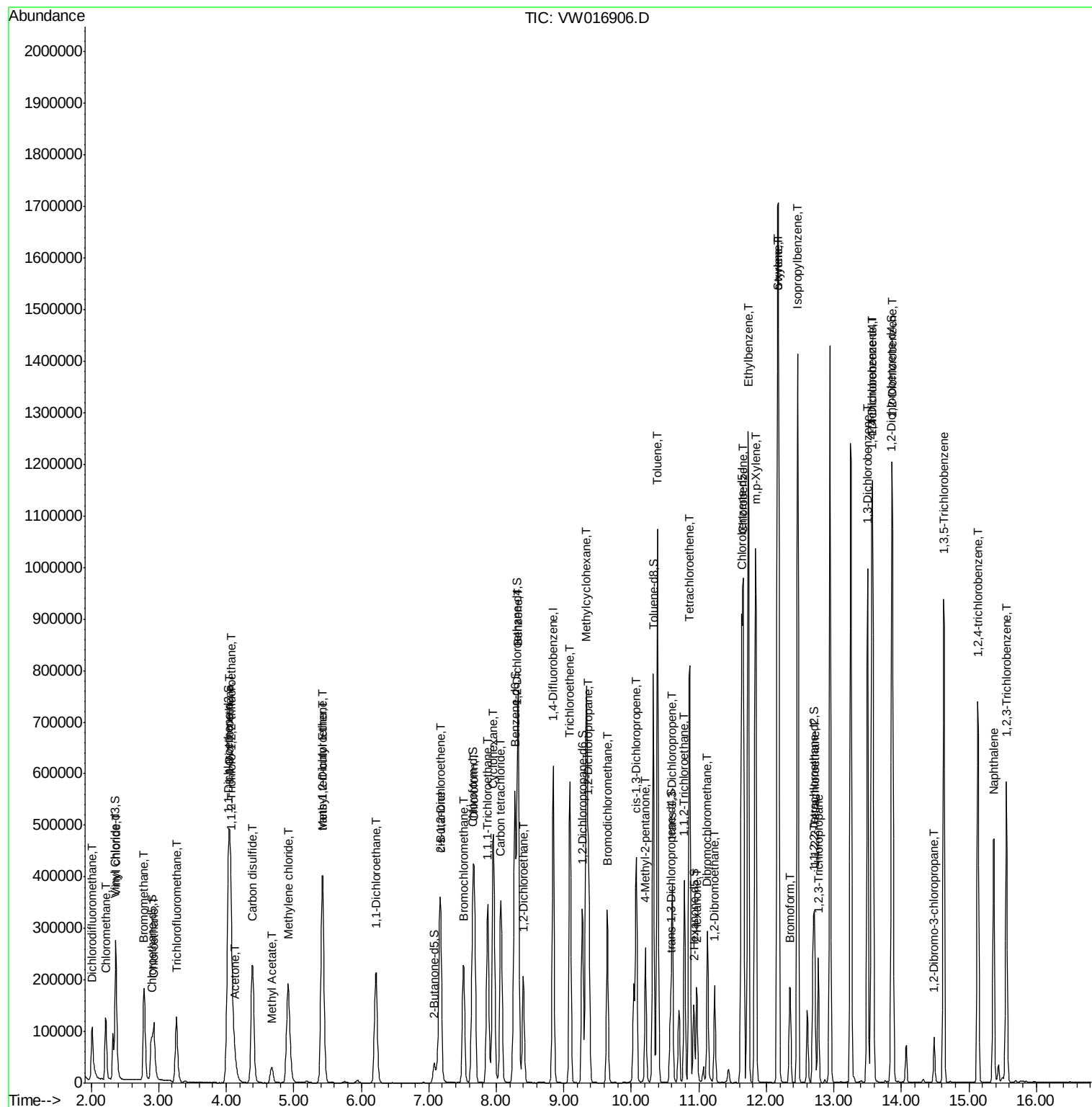
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	94111	26.284	ug/L	93
25) Chloroform	7.68	83	332971	26.794	ug/L	98
27) 1,2-Dichloroethane	8.40	62	189325	25.468	ug/L	98
30) Cyclohexane	7.96	56	280154	27.419	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	291215	27.793	ug/L	100
32) Carbon tetrachloride	8.07	117	282790	27.657	ug/L	98
34) Benzene	8.32	78	715662	27.048	ug/L	100
35) Trichloroethene	9.09	95	200032	26.727	ug/L	99
36) Methylcyclohexane	9.34	83	342533	27.220	ug/L	100
40) 1,2-Dichloropropane	9.37	63	164323	27.465	ug/L	99
41) Bromodichloromethane	9.65	83	228059	27.133	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	259953	27.251	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	160353	53.236	ug/L	100
44) Toluene	10.39	91	801014	27.290	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	218708	27.246	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	128540	26.429	ug/L	99
47) Tetrachloroethene	10.87	164	197713	28.494	ug/L	99
49) 2-Hexanone	10.97	43	109032	54.841	ug/L	99
50) Dibromochloromethane	11.13	129	165805	27.422	ug/L	94
51) 1,2-Dibromoethane	11.24	107	126873	26.545	ug/L	94
52) Chlorobenzene	11.66	112	521697	26.484	ug/L	99
53) Ethylbenzene	11.73	91	902651	27.413	ug/L	97
54) m,p-Xylene	11.84	106	350503	27.370	ug/L	97
55) o-xylene	12.17	106	328094	26.815	ug/L	97
56) Styrene	12.18	104	555480	27.512	ug/L	98
57) Isopropylbenzene	12.46	105	930908	27.784	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	141397	26.306	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	102148	26.233	ug/L	99
62) Bromoform	12.35	173	91965	27.321	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	426353	27.996	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	410358	26.944	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	374653	27.477	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	21309	25.764	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	309637	27.353	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	254587	27.382	ug/L	100
69) Naphthalene	15.37	128	429983	27.927	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	217650	27.242	ug/L	97

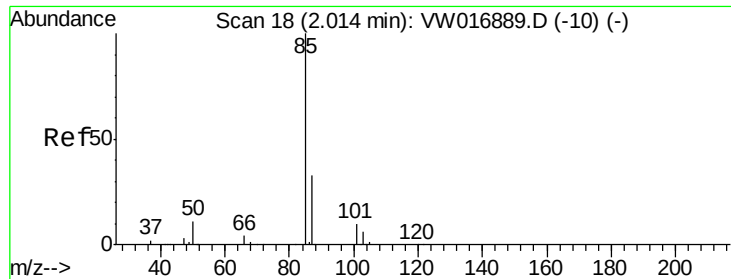
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.073 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.01 min

Lab File: VW016906.D

Acq: 15 Oct 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

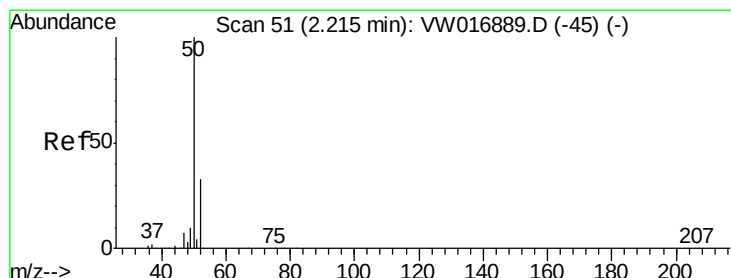
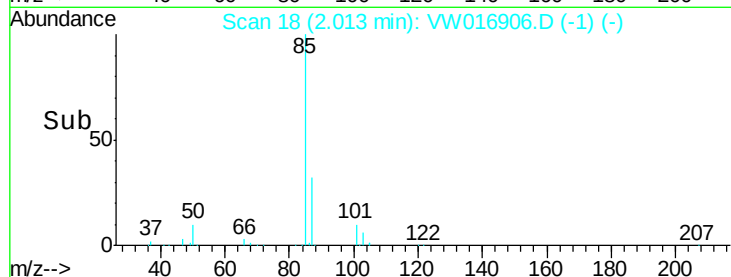
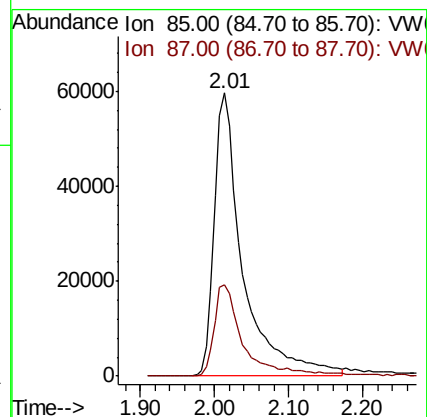
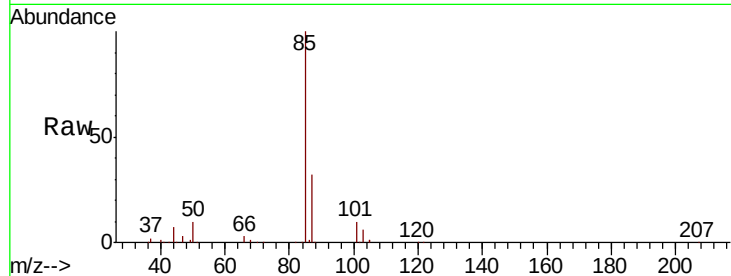
VSTD02511

Tot Ion: 85 Resp: 159184

Ion Ratio Lower Upper

85 100

87 29.8 20.4 37.8



#3

Chloromethane

Concen: 22.563 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW016906.D

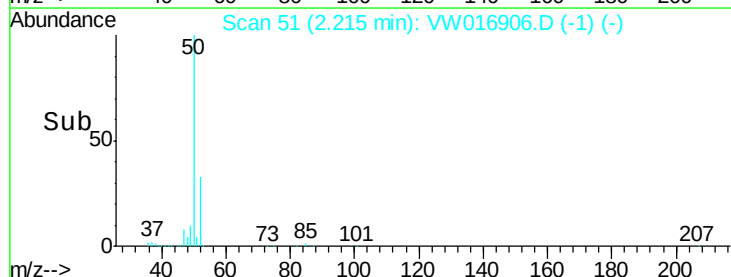
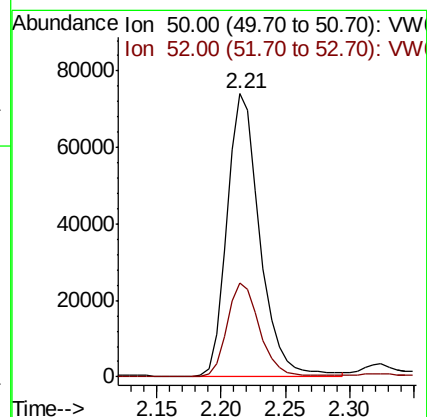
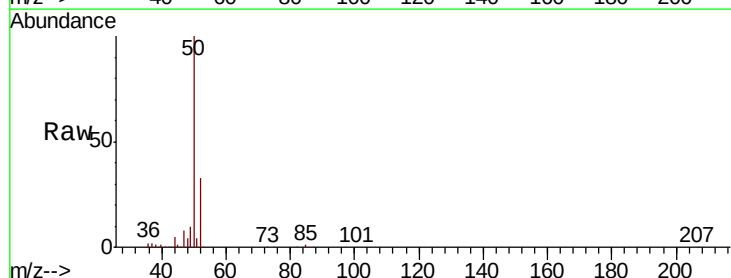
Acq: 15 Oct 2020 09:55

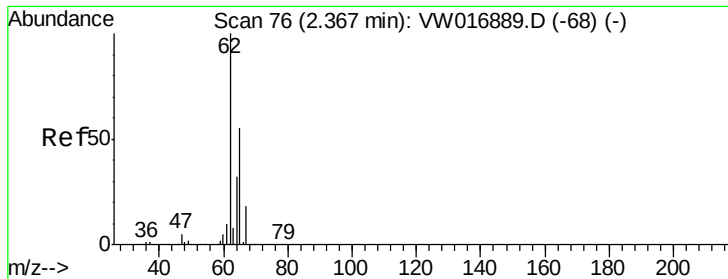
Tgt Ion: 50 Resp: 131522

Ion Ratio Lower Upper

50 100

52 33.0 22.7 42.3





#5

Vinyl chloride

Concen: 27.605 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW016906.D

Acq: 15 Oct 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

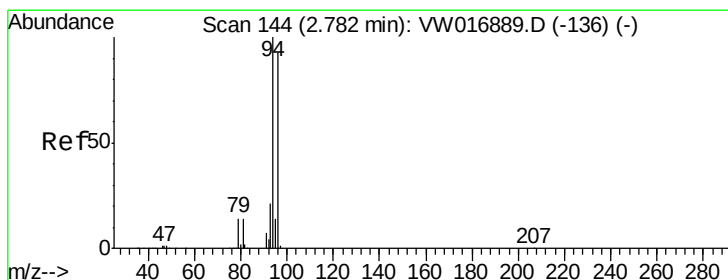
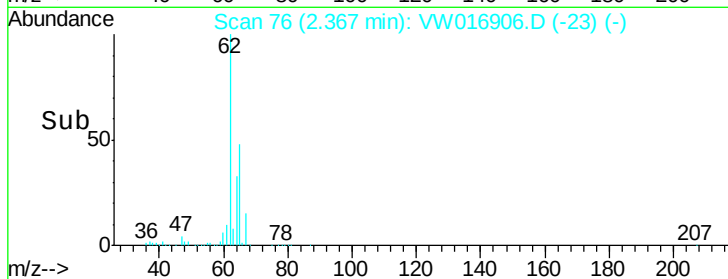
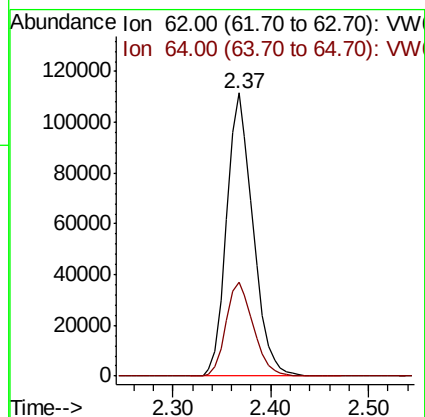
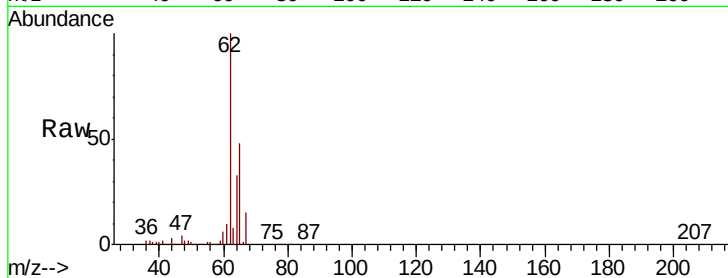
VSTD02511

Tot Ion: 62 Resp: 208892

Ion Ratio Lower Upper

62 100

64 33.4 23.5 43.7



#6

Bromomethane

Concen: 25.251 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW016906.D

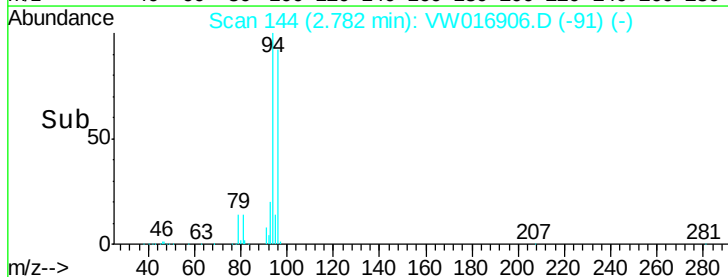
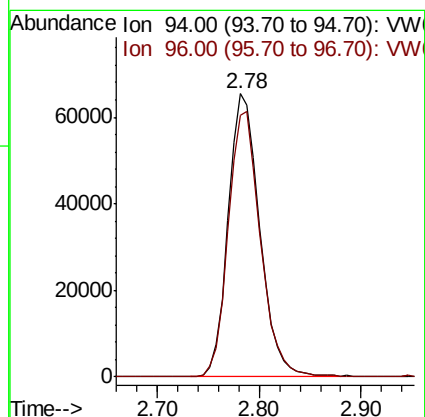
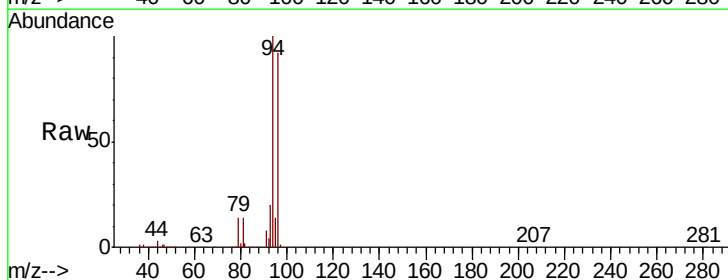
Acq: 15 Oct 2020 09:55

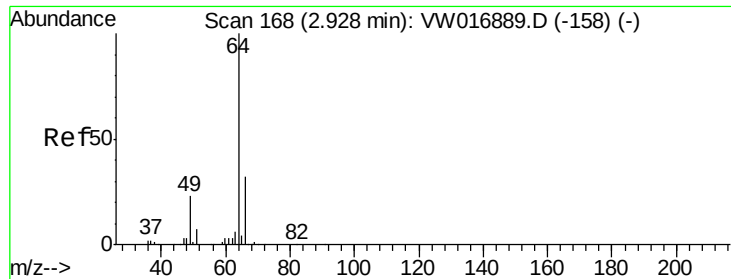
Tgt Ion: 94 Resp: 140476

Ion Ratio Lower Upper

94 100

96 94.8 9.5 180.7





#8

Chloroethane

Concen: 26.371 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW016906.D

Acq: 15 Oct 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

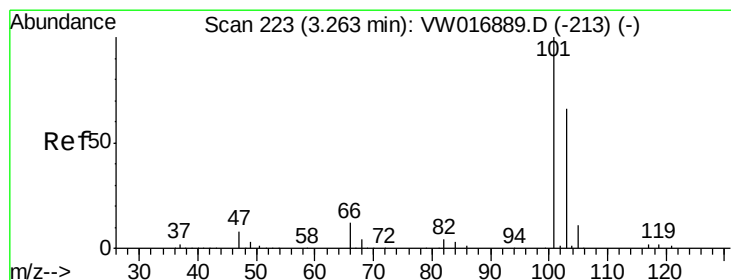
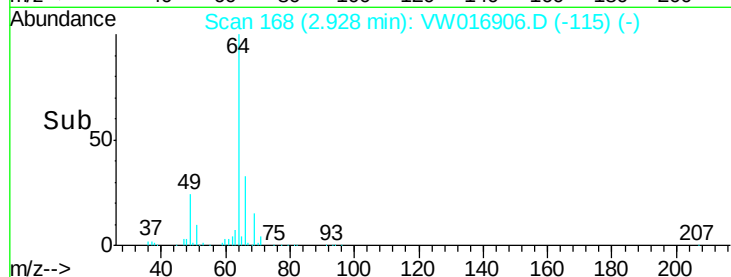
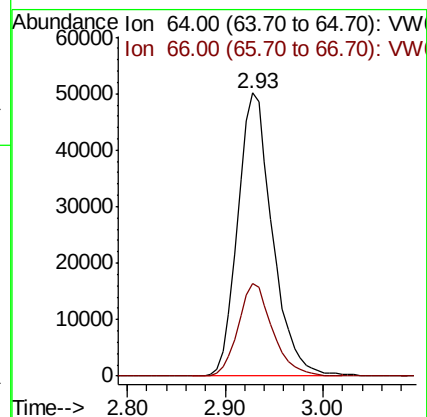
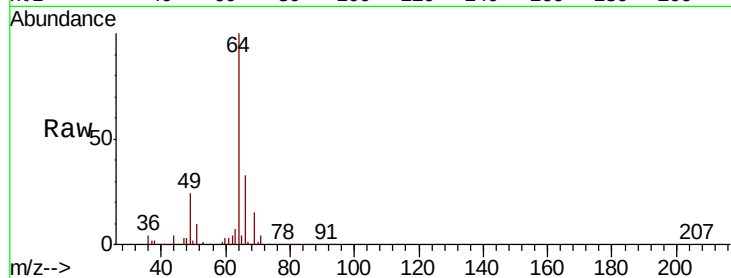
VSTD02511

Tot Ion: 64 Resp: 123164

Ion Ratio Lower Upper

64 100

66 32.7 22.5 41.7



#9

Trichlorofluoromethane

Concen: 25.174 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.01 min

Lab File: VW016906.D

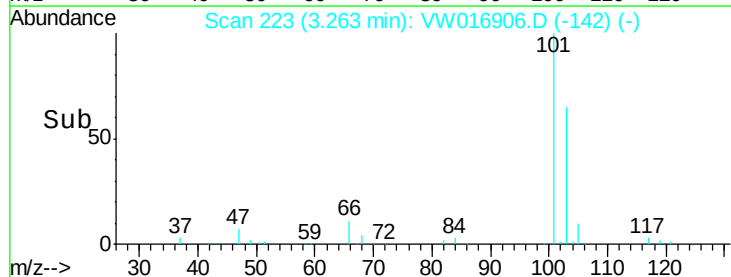
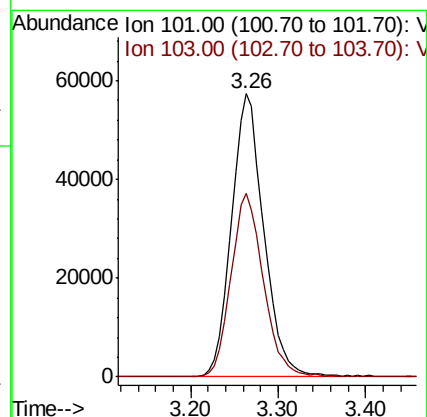
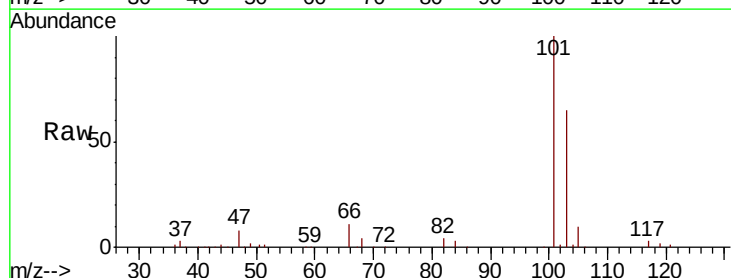
Acq: 15 Oct 2020 09:55

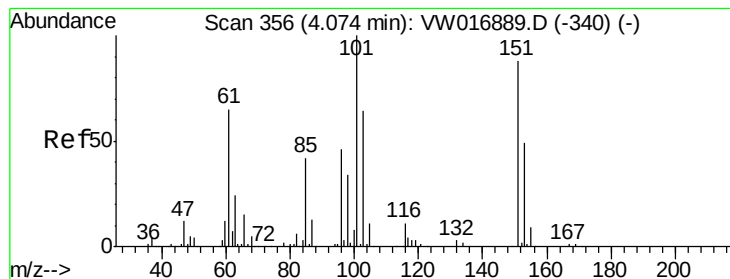
Tgt Ion: 101 Resp: 147188

Ion Ratio Lower Upper

101 100

103 64.6 45.2 84.0





#11

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

Concen: 26.981 ug/L

RT: 4.07 min Scan# 356

Delta R.T. -0.00 min

Lab File: VW016906.D

Acq: 15 Oct 2020 09:55

Instrument :

MSVOA_W

ClientSampled :

VSTD02511

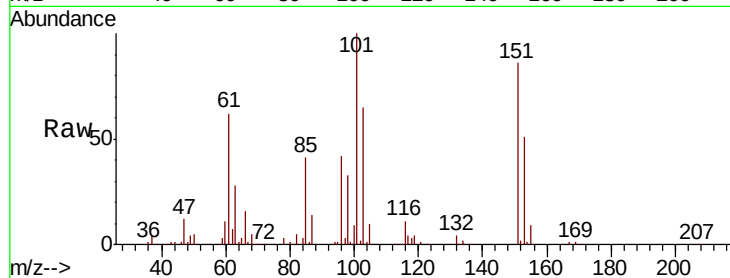
Tot Ion:101 Resp: 200969

Ion Ratio Lower Upper

101 100

85 40.4 31.7 47.5

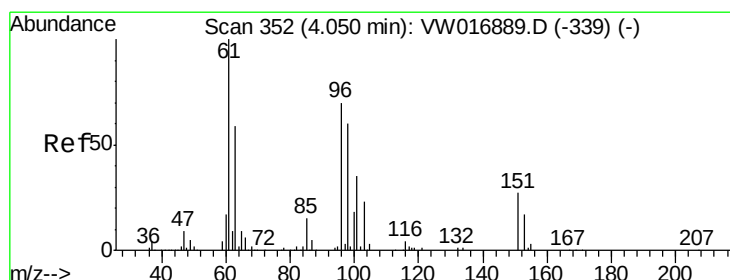
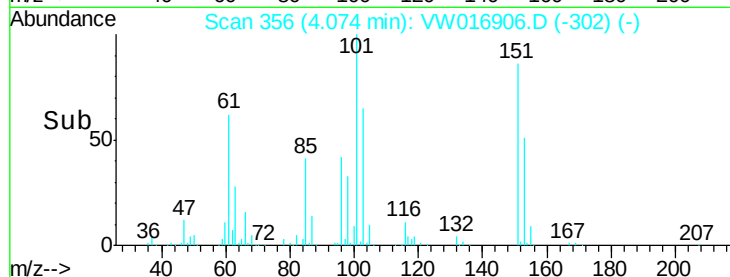
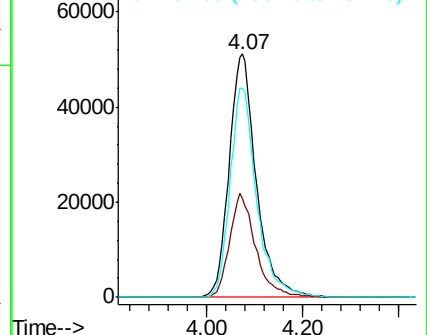
151 0.0 66.6 99.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 26.794 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW016906.D

Acq: 15 Oct 2020 09:55

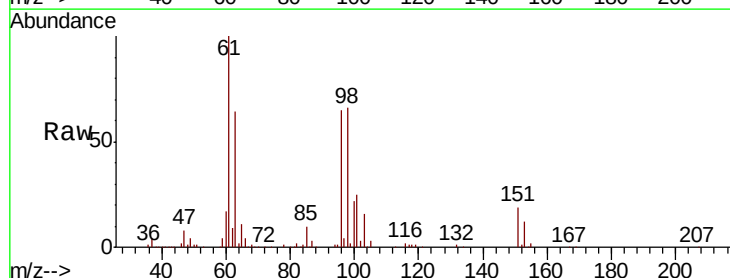
Tgt Ion: 96 Resp: 191656

Ion Ratio Lower Upper

96 100

61 154.1 105.1 195.1

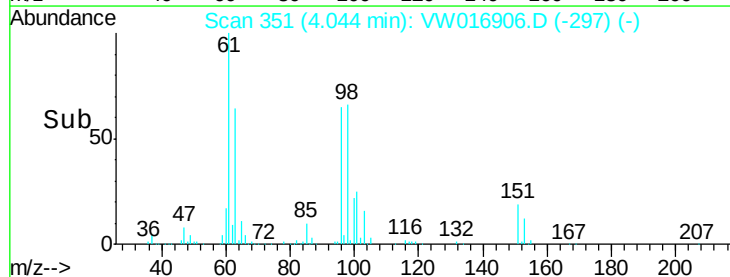
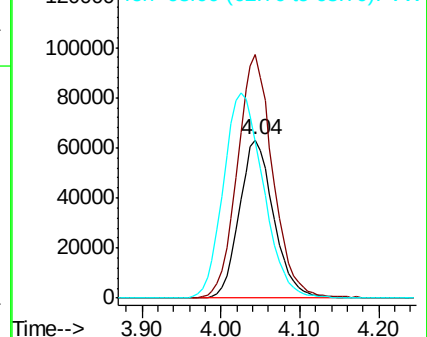
63 99.0 69.9 129.7

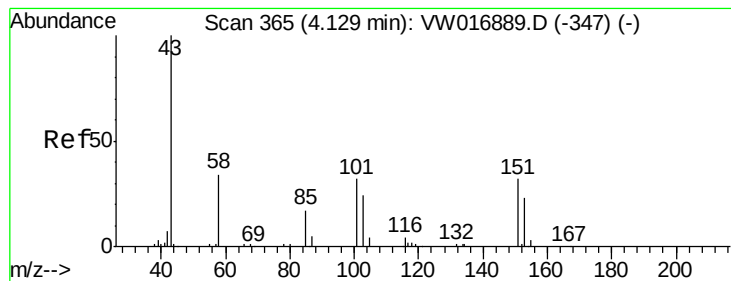


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 47.333 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

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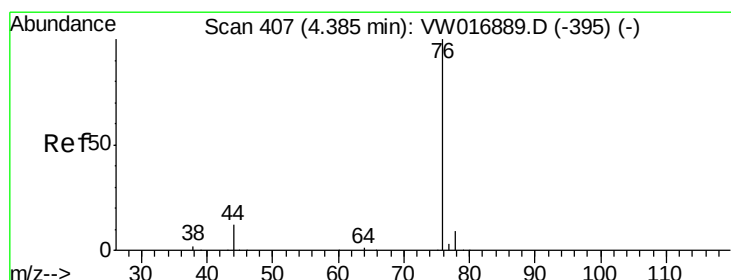
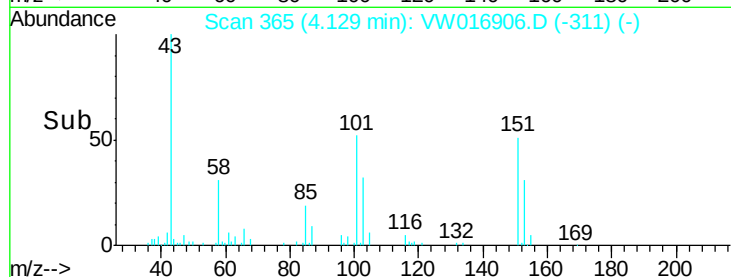
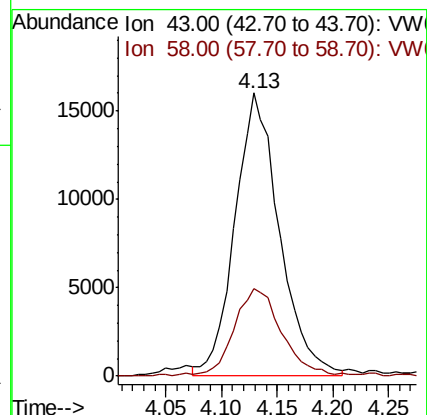
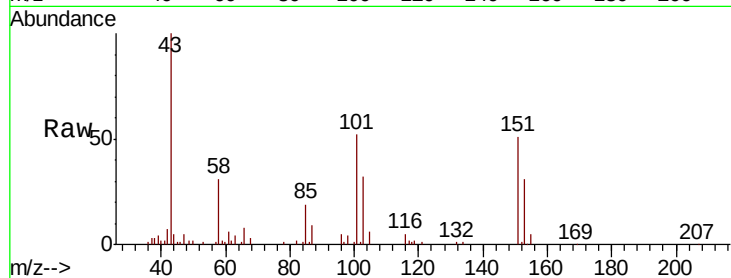
VSTD02511

Tot Ion: 43 Resp: 44280

Ion Ratio Lower Upper

43 100

58 33.2 0.0 67.6



#14

Carbon disulfide

Concen: 26.281 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW016906.D

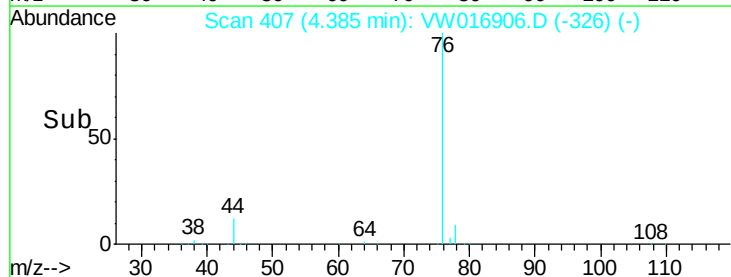
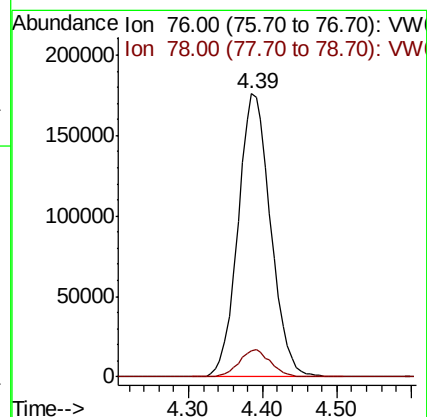
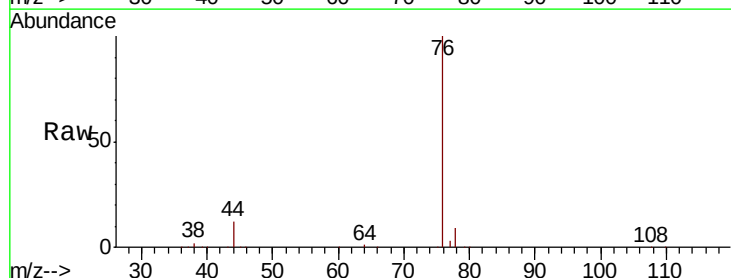
Acq: 15 Oct 2020 09:55

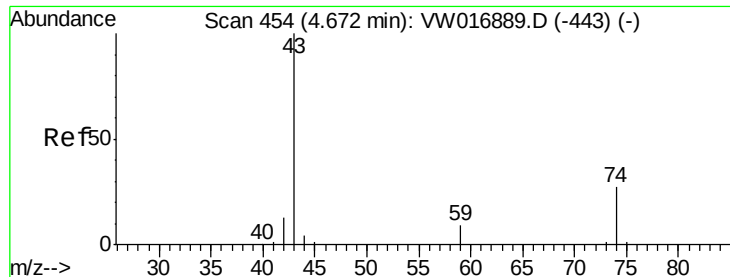
Tgt Ion: 76 Resp: 539035

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0





#15

Methyl Acetate

Concen: 25.746 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

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ClientSampleId :

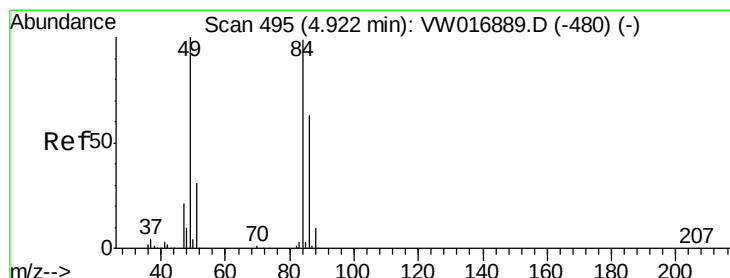
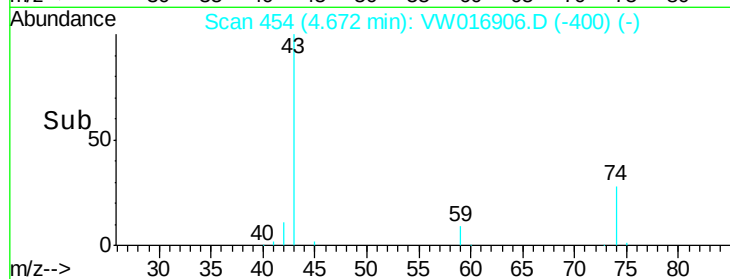
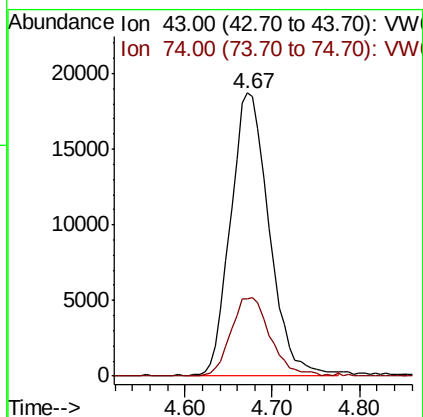
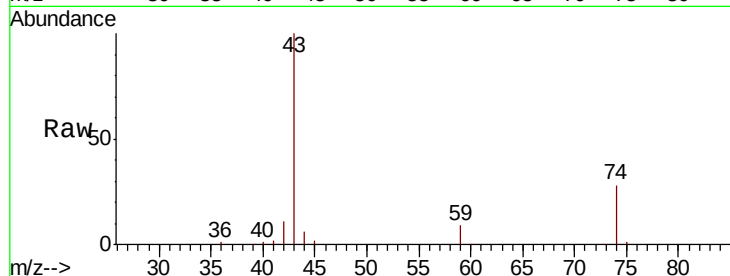
VSTD02511

Tot Ion: 43 Resp: 57547

Ion Ratio Lower Upper

43 100

74 28.1 22.7 34.1



#16

Methylene chloride

Concen: 24.123 ug/L

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW016906.D

Acq: 15 Oct 2020 09:55

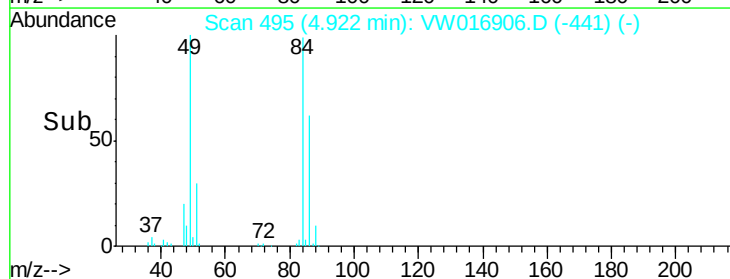
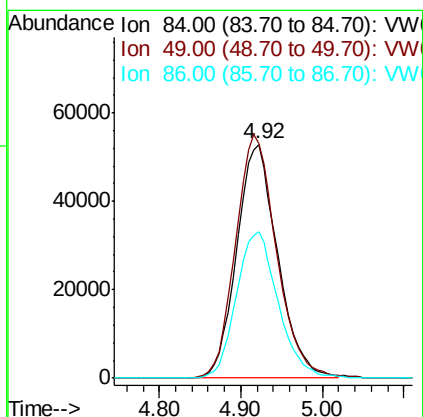
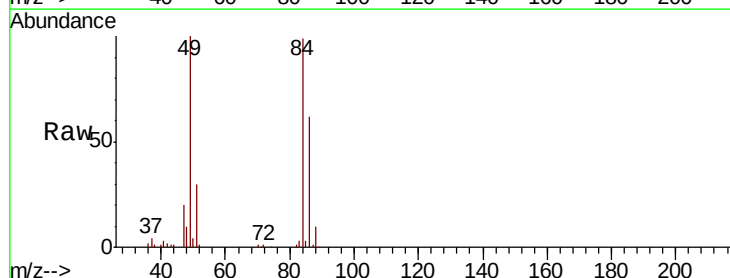
Tgt Ion: 84 Resp: 184181

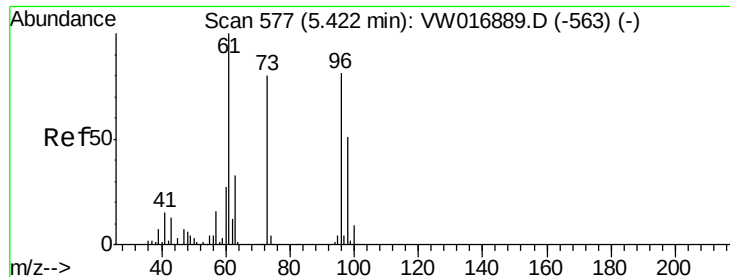
Ion Ratio Lower Upper

84 100

49 100.5 73.1 135.8

86 62.5 46.0 85.4

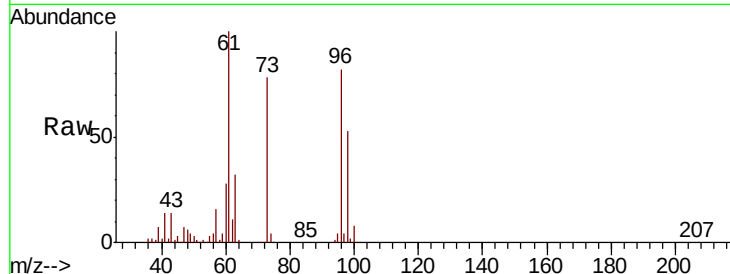




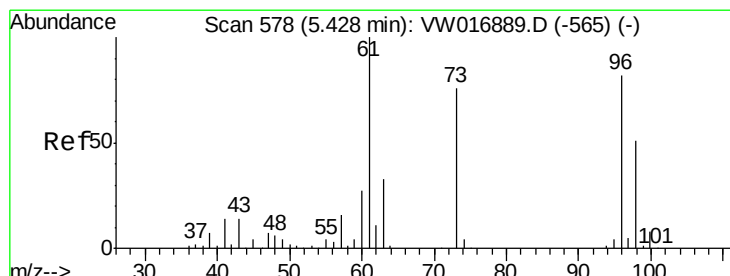
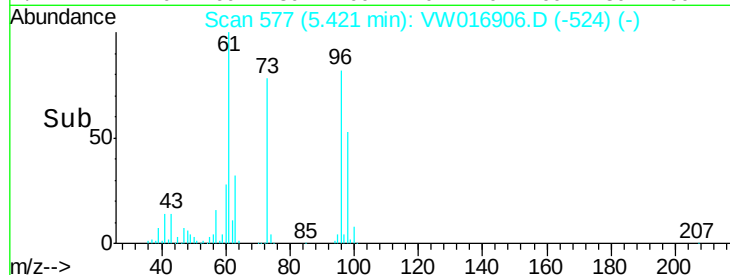
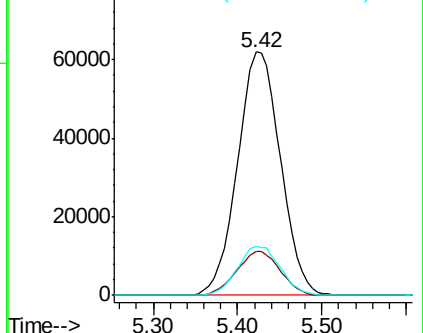
#17
Methyl tert-butyl Ether
Concen: 26.791 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW016906.D
Acq: 15 Oct 2020 09:55

Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

Tot Ion: 73 Resp: 214444
Ion Ratio Lower Upper
73 100
43 18.5 15.0 22.4
57 20.2 16.4 24.6

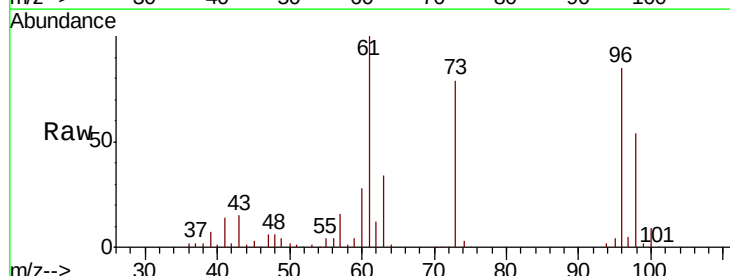


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

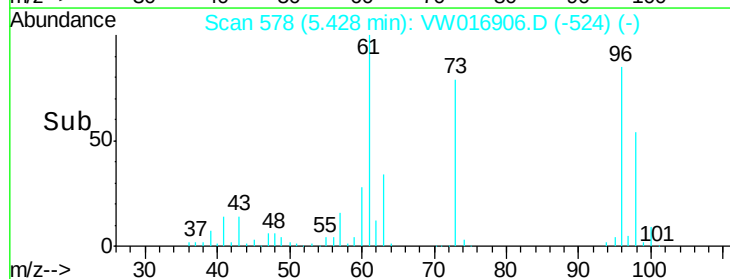
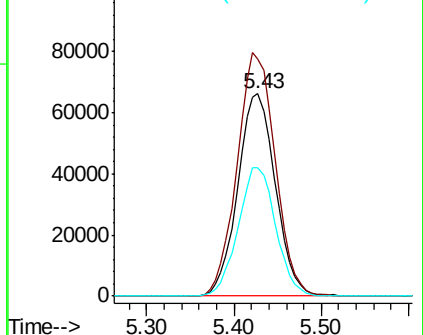


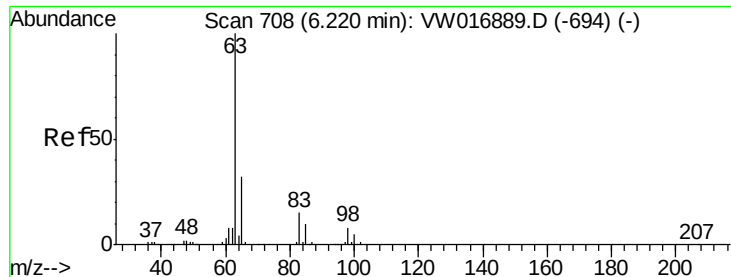
#18
trans-1,2-Dichloroethene
Concen: 26.591 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW016906.D
Acq: 15 Oct 2020 09:55

Tgt Ion: 96 Resp: 198702
Ion Ratio Lower Upper
96 100
61 117.5 82.5 153.3
98 63.6 43.3 80.5



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

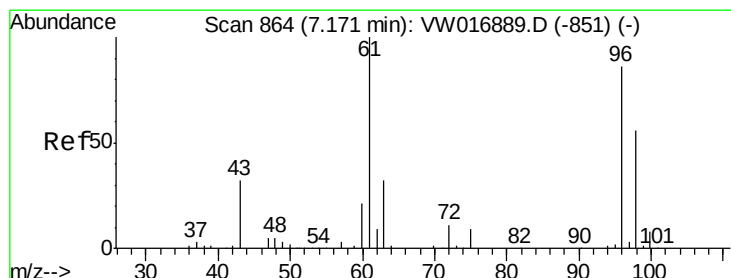
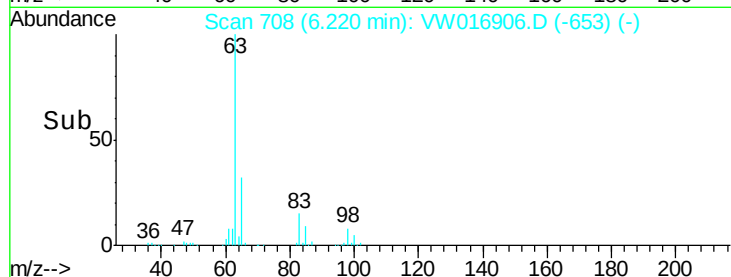
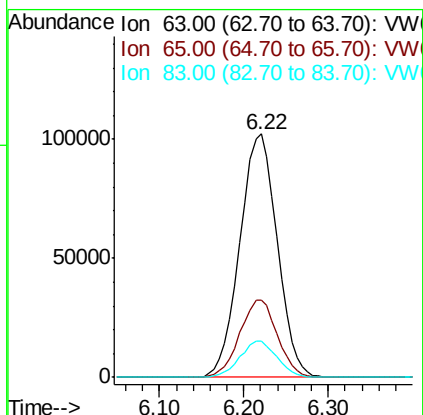
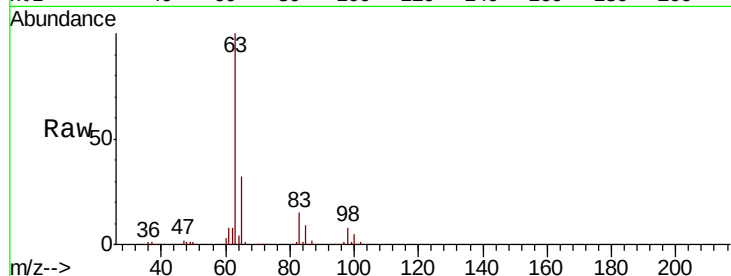




#19
 1,1-Dichloroethane
 Concen: 26.784 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VW016906.D
 Acq: 15 Oct 2020 09:55

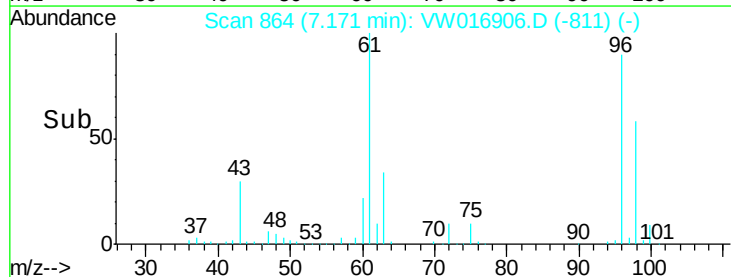
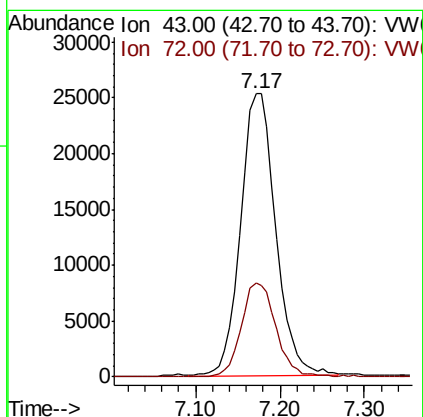
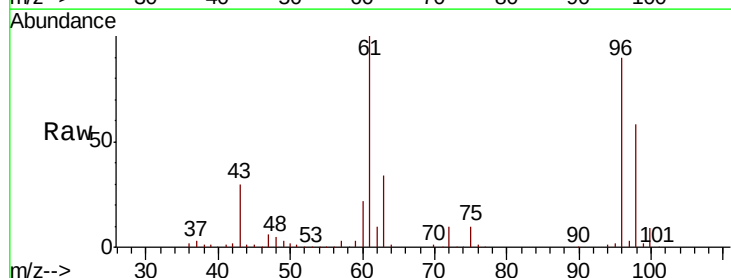
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

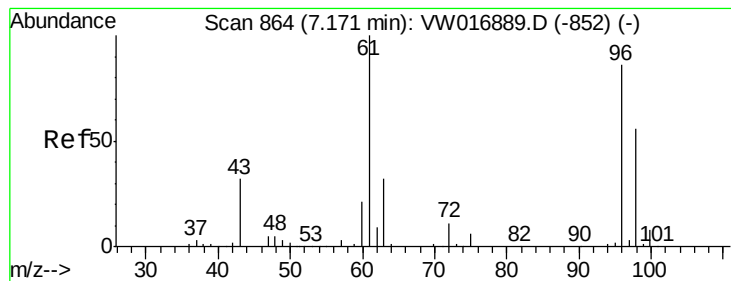
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	22.7	42.1
83	14.8	9.9	18.5



#21
 2-Butanone
 Concen: 45.427 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VW016906.D
 Acq: 15 Oct 2020 09:55

Tgt Ion	Ratio	Lower	Upper
43	100		
72	32.1	16.2	48.5



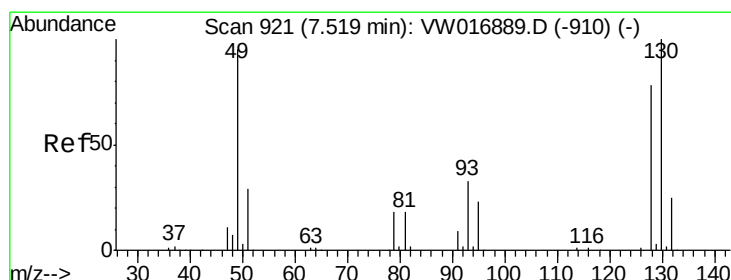
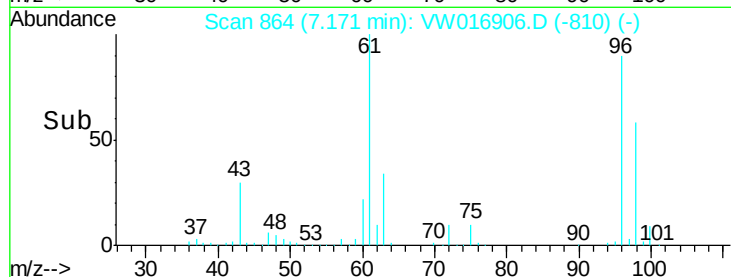
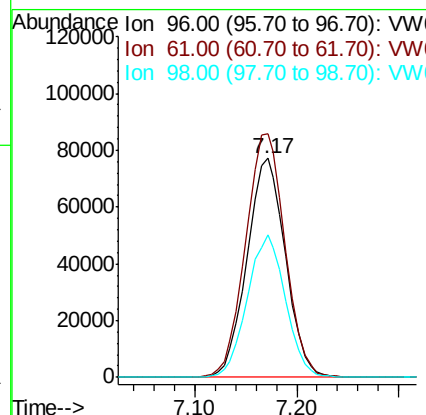
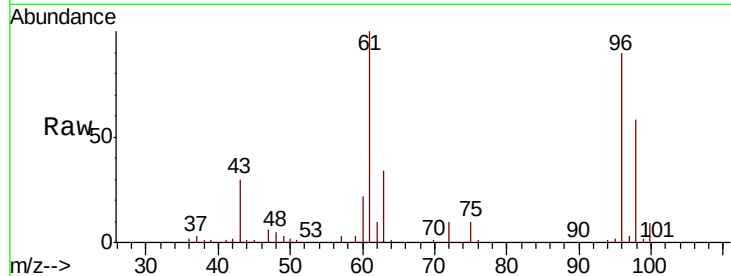


#22

cis-1,2-Dichloroethene
 Concen: 26.600 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW016906.D
 Acq: 15 Oct 2020 09:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

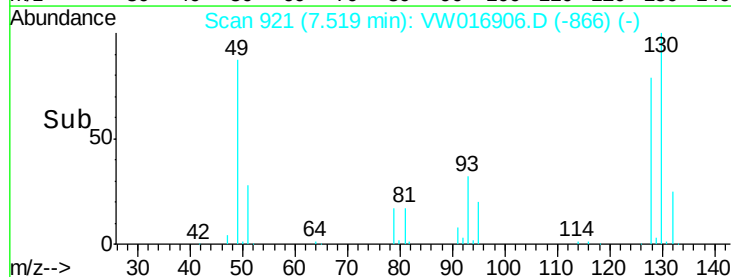
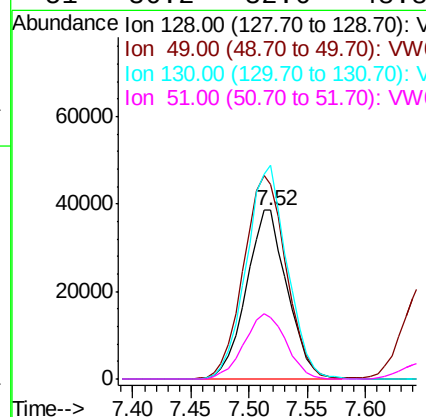
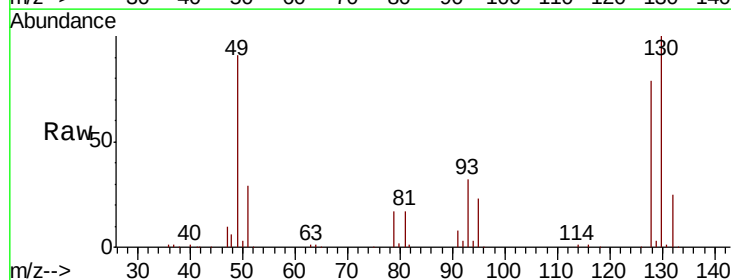
Tot Ion: 96 Resp: 202816
 Ion Ratio Lower Upper
 96 100
 61 111.1 76.0 141.2
 98 64.9 42.7 79.3

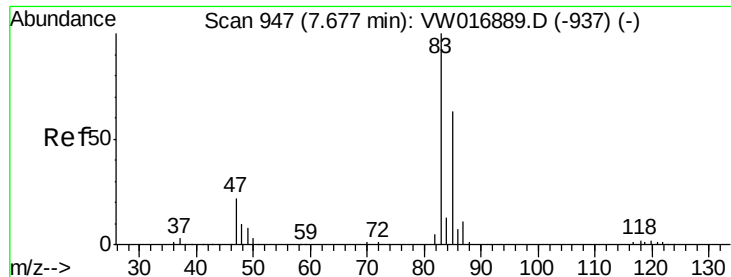


#23

Bromochloromethane
 Concen: 26.284 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW016906.D
 Acq: 15 Oct 2020 09:55

Tgt Ion: 128 Resp: 94111
 Ion Ratio Lower Upper
 128 100
 49 115.3 88.5 164.3
 130 126.5 92.9 172.5
 51 36.2 32.6 48.8

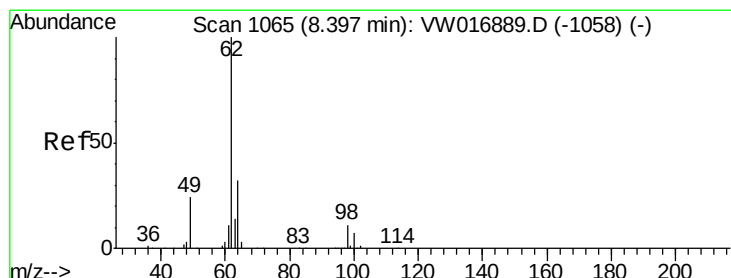
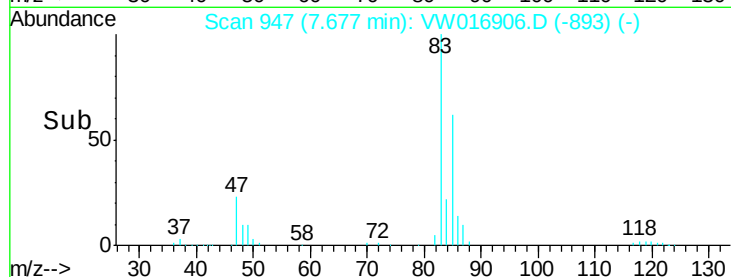
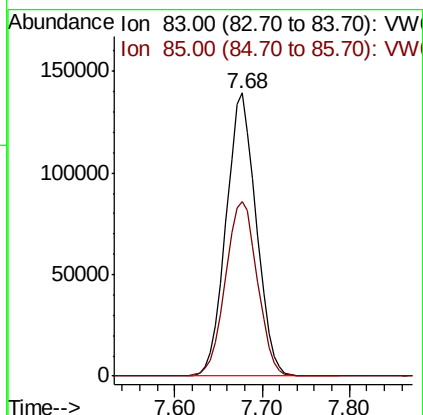
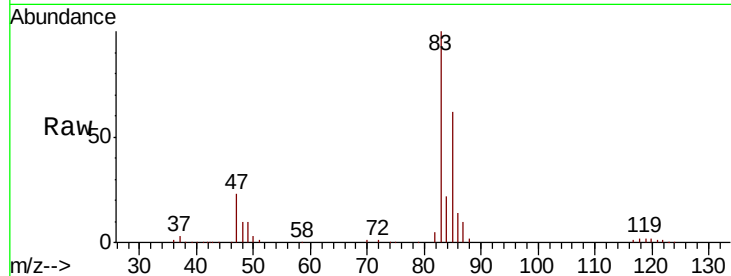




#25
Chloroform
Concen: 26.794 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW016906.D
Acq: 15 Oct 2020 09:55

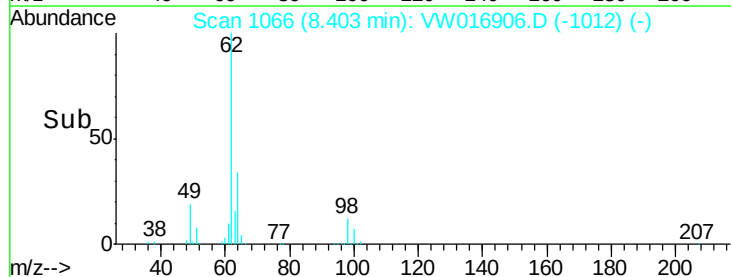
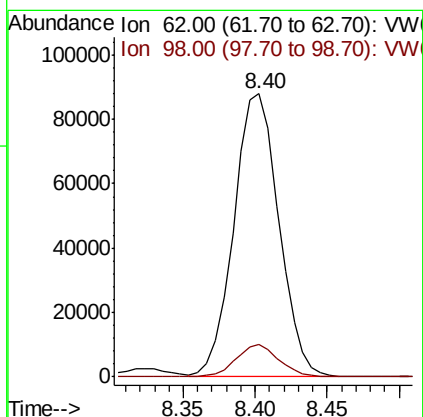
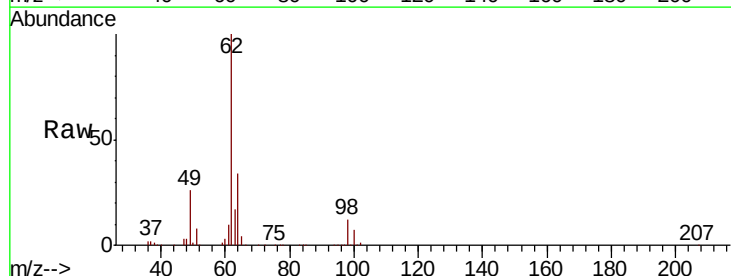
Instrument :
MSVOA_W
ClientSampled :
VSTD02511

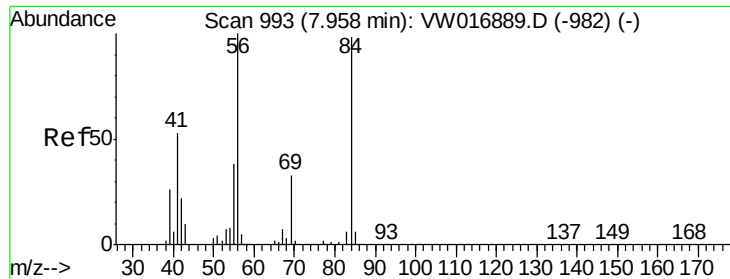
Tot Ion: 83 Resp: 332971
Ion Ratio Lower Upper
83 100
85 65.4 46.9 87.1



#27
1,2-Dichloroethane
Concen: 25.468 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW016906.D
Acq: 15 Oct 2020 09:55

Tgt Ion: 62 Resp: 189325
Ion Ratio Lower Upper
62 100
98 11.6 8.6 12.8

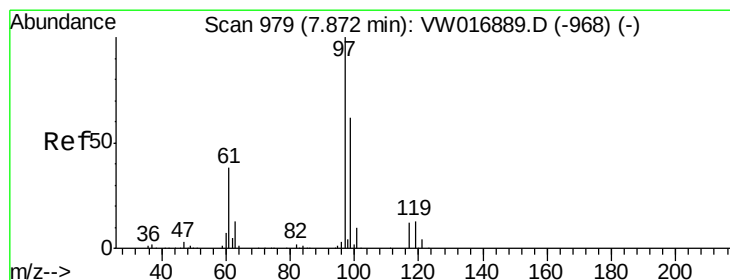
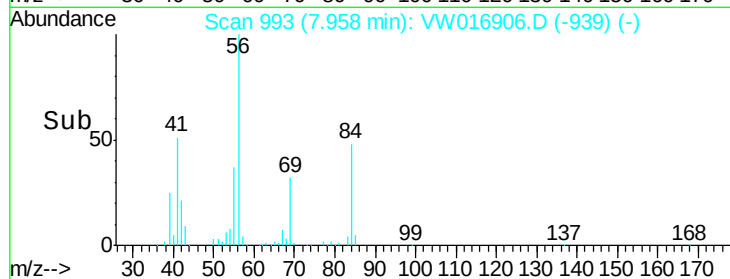
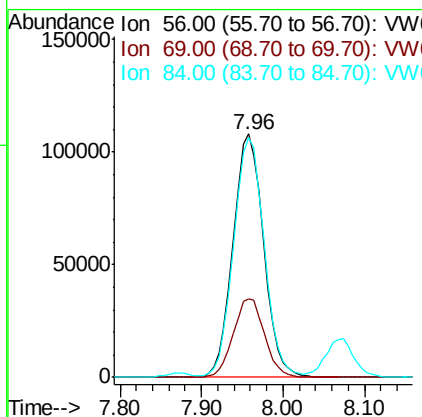
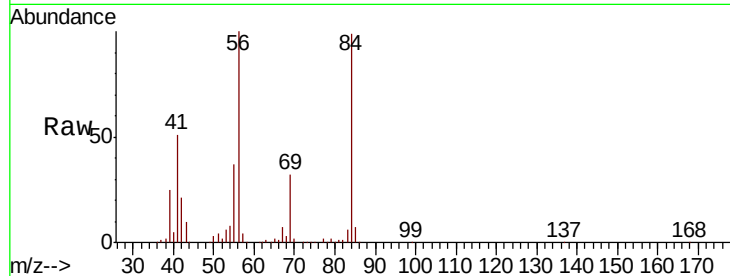




#30
Cyclohexane
Concen: 27.419 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW016906.D
Acq: 15 Oct 2020 09:55

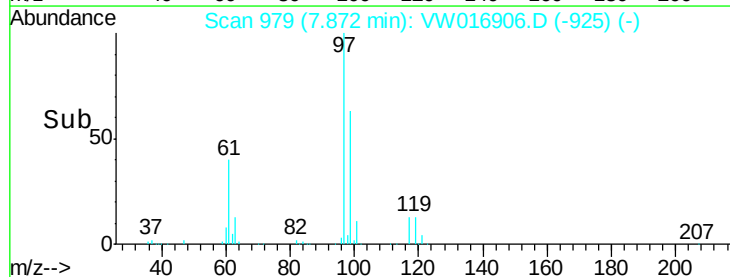
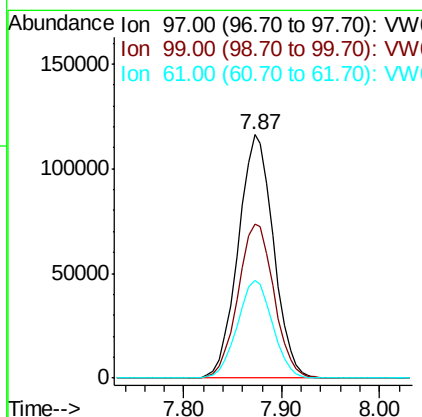
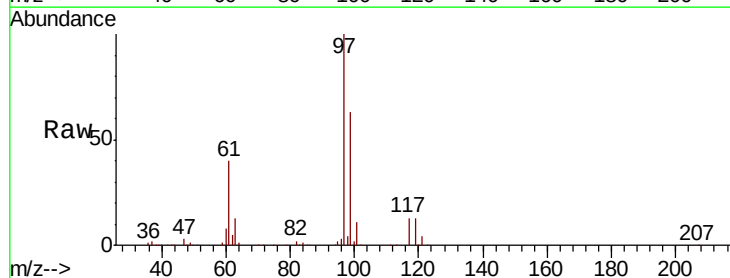
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

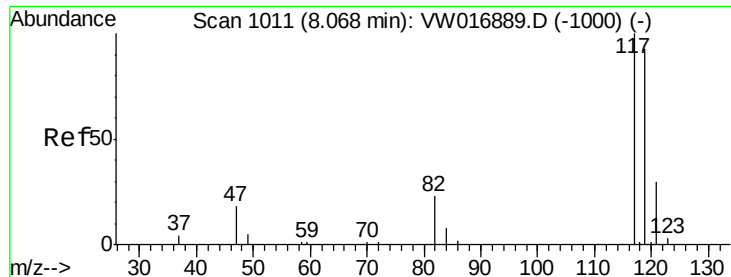
Tot Ion	56	Resp	280154
Ion Ratio	Lower	Upper	
56	100		
69	32.9	26.1	39.1
84	98.7	79.3	118.9



#31
1,1,1-Trichloroethane
Concen: 27.793 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW016906.D
Acq: 15 Oct 2020 09:55

Tgt Ion	97	Resp	291215
Ion Ratio	Lower	Upper	
97	100		
99	64.6	51.5	77.3
61	40.2	32.5	48.7





#32

Carbon tetrachloride

Concen: 27.657 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW016906.D

Acq: 15 Oct 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

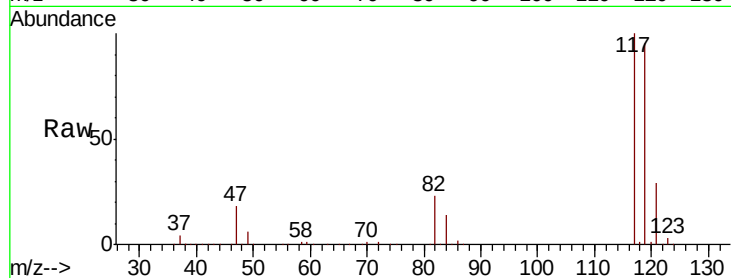
VSTD02511

Tot Ion:117 Resp: 282790

Ion Ratio Lower Upper

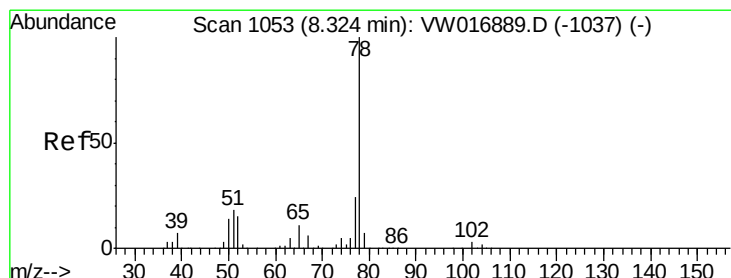
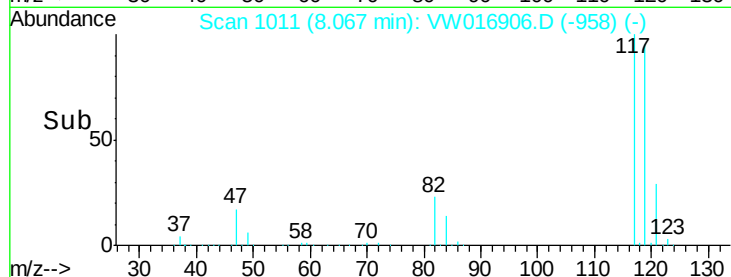
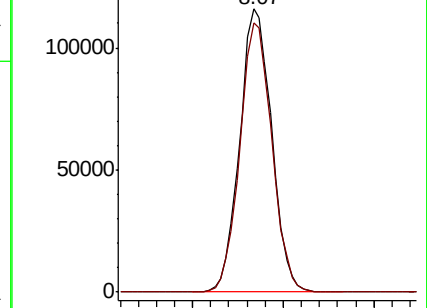
117 100

119 95.2 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 27.048 ug/L

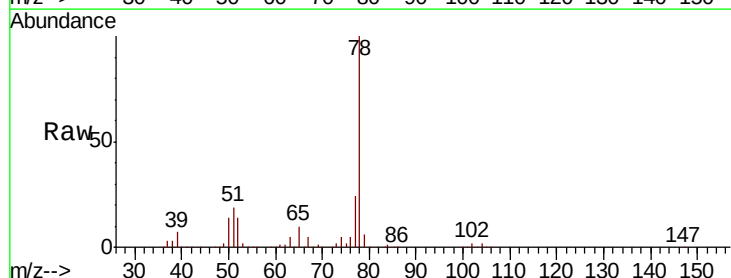
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

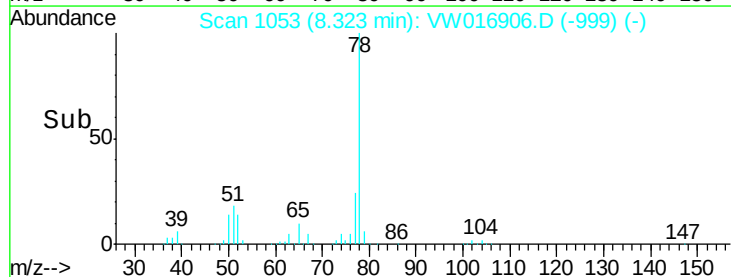
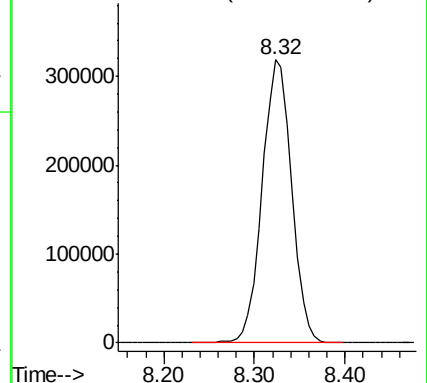
Lab File: VW016906.D

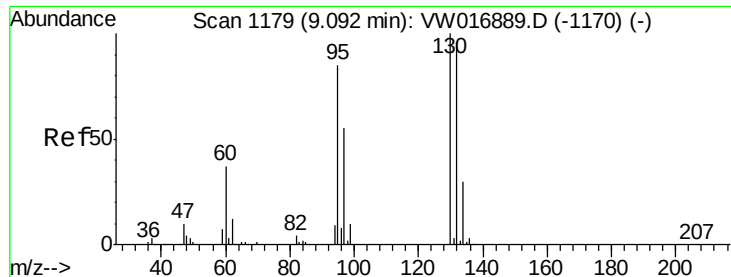
Acq: 15 Oct 2020 09:55

Tgt Ion: 78 Resp: 715662



Abundance Ion 78.00 (77.70 to 78.70): VW

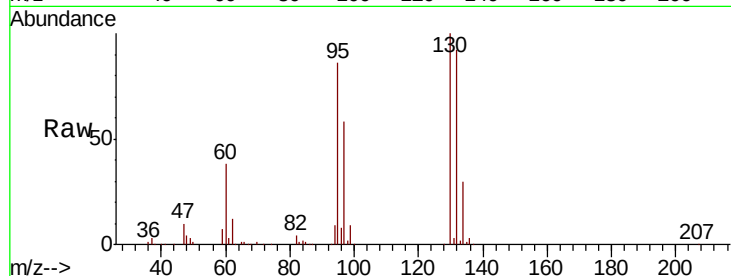




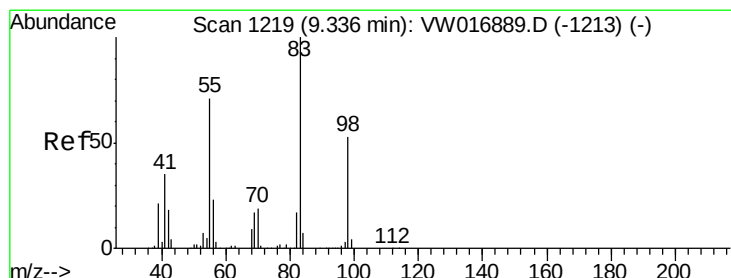
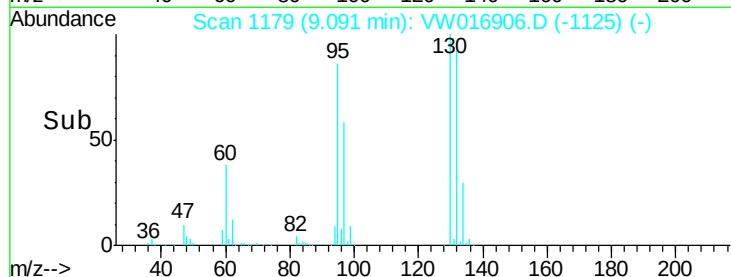
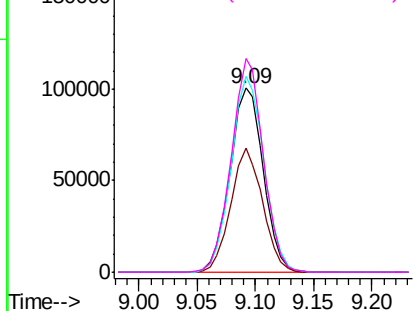
#35
 Trichloroethene
 Concen: 26.727 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW016906.D
 Acq: 15 Oct 2020 09:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Tot Ion: 95 Resp: 200032
 Ion Ratio Lower Upper
 95 100
 97 65.2 44.7 83.1
 132 105.5 73.8 137.2
 130 111.6 77.1 143.3

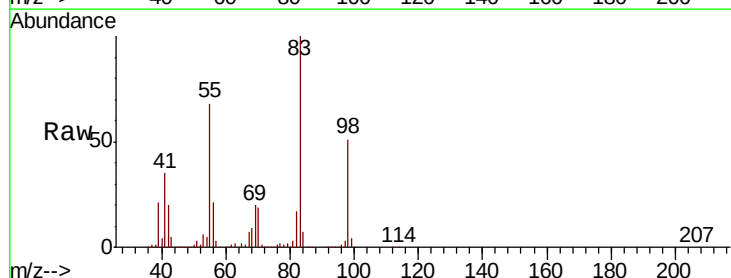


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

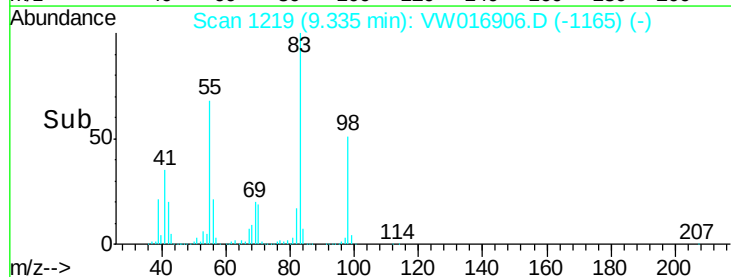
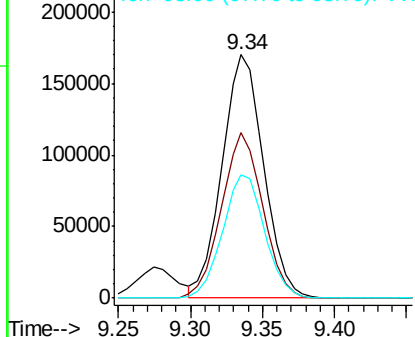


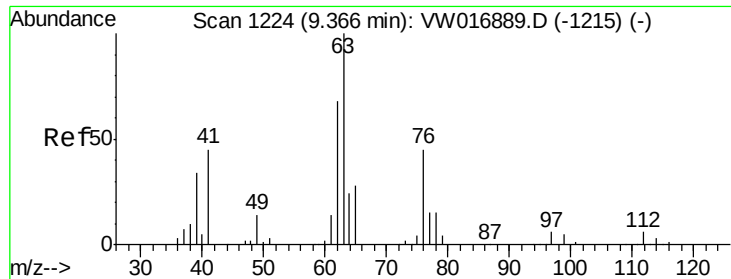
#36
 Methylcyclohexane
 Concen: 27.220 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW016906.D
 Acq: 15 Oct 2020 09:55

Tgt Ion: 83 Resp: 342533
 Ion Ratio Lower Upper
 83 100
 55 67.7 54.2 81.4
 98 51.5 41.4 62.2



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

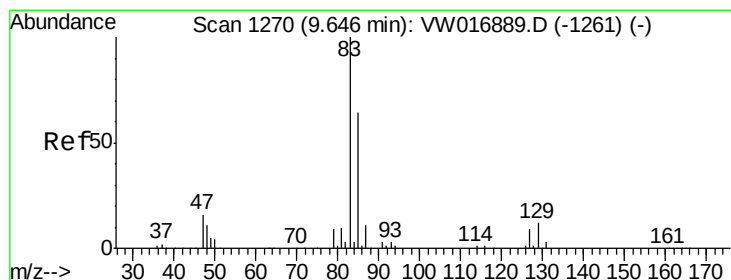
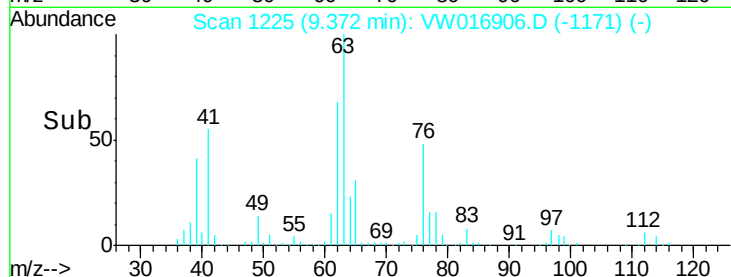
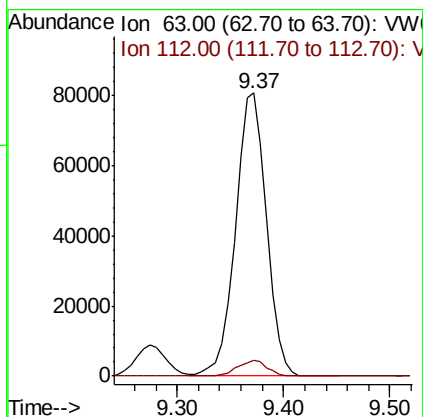
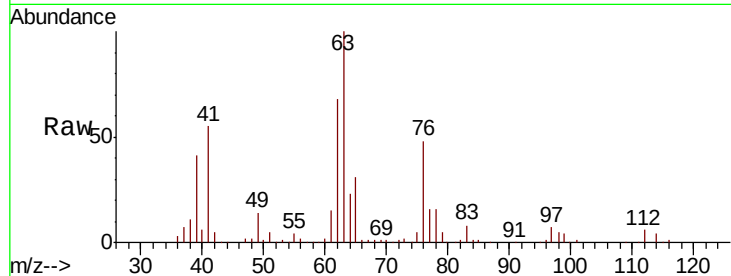




#40
 1,2-Dichloropropane
 Concen: 27.465 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW016906.D
 Acq: 15 Oct 2020 09:55

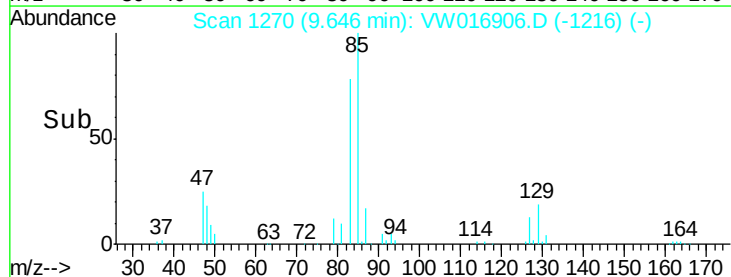
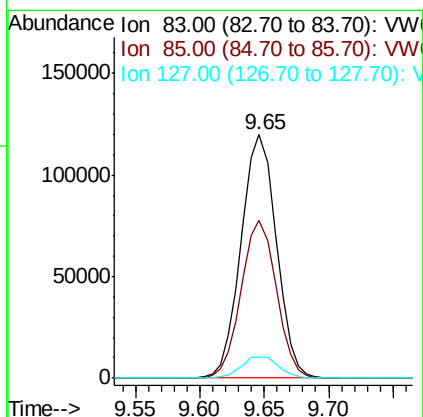
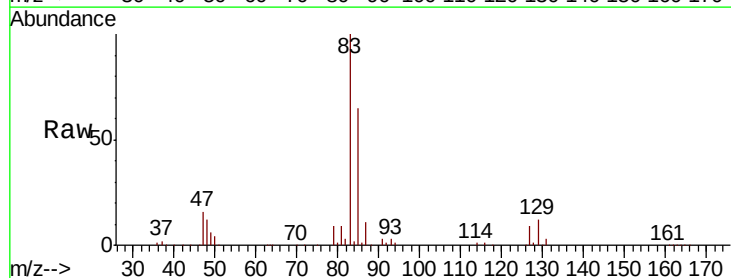
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

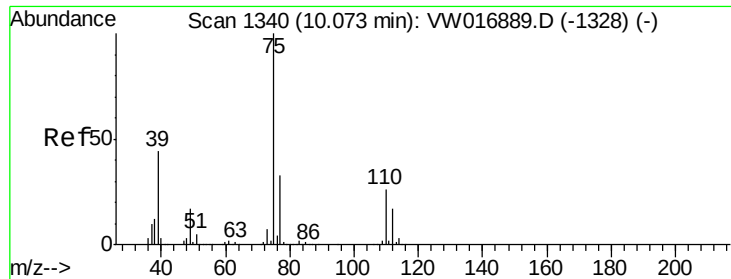
Tot Ion: 63 Resp: 164323
 Ion Ratio Lower Upper
 63 100
 112 5.4 4.5 6.7



#41
 Bromodichloromethane
 Concen: 27.133 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW016906.D
 Acq: 15 Oct 2020 09:55

Tgt Ion: 83 Resp: 228059
 Ion Ratio Lower Upper
 83 100
 85 64.9 46.2 85.8
 127 8.7 7.5 11.3





#42

cis-1,3-Dichloropropene

Concen: 27.251 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW016906.D

Acq: 15 Oct 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

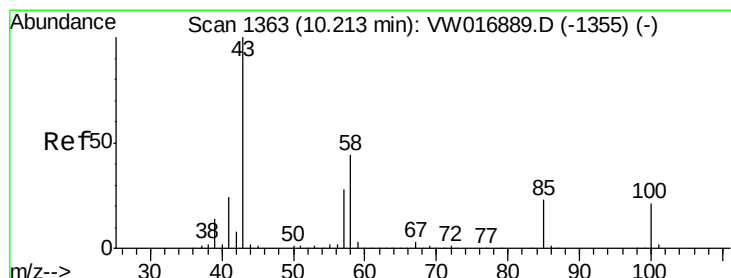
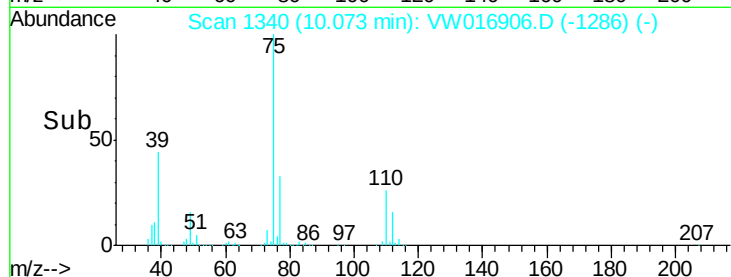
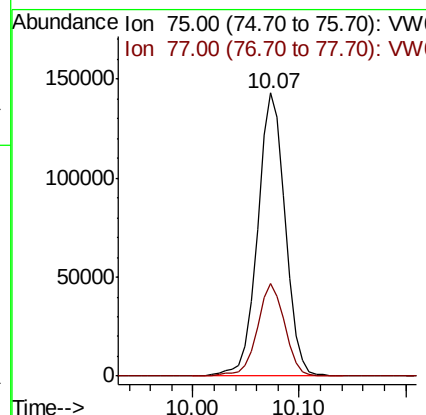
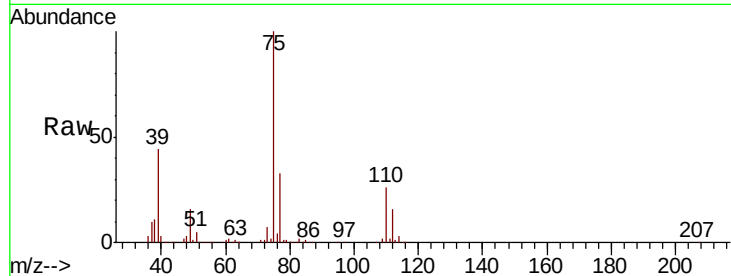
VSTD02511

Tot Ion: 75 Resp: 259953

Ion Ratio Lower Upper

75 100

77 32.8 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 53.236 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016906.D

Acq: 15 Oct 2020 09:55

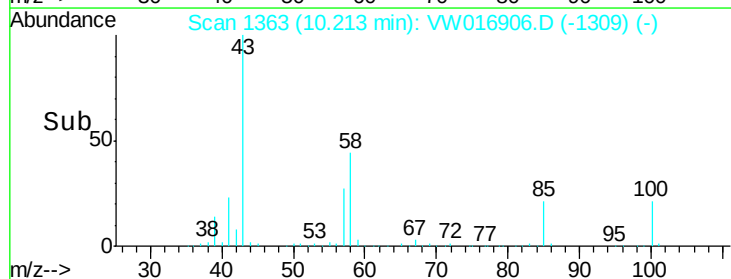
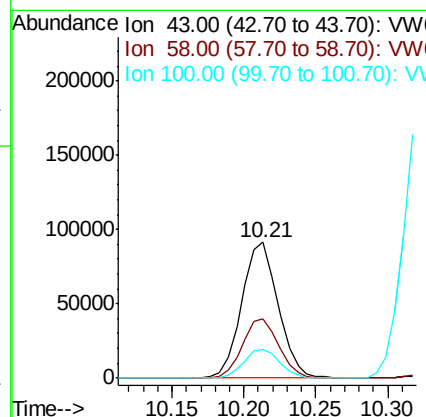
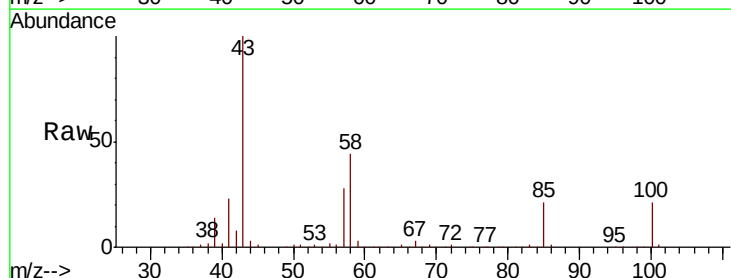
Tgt Ion: 43 Resp: 160353

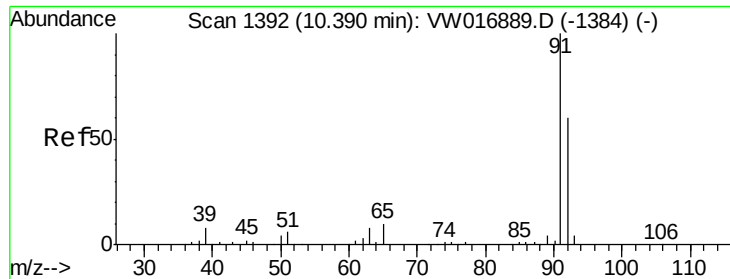
Ion Ratio Lower Upper

43 100

58 43.5 34.7 52.1

100 21.0 16.9 25.3





#44

Toluene

Concen: 27.290 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016906.D

Acq: 15 Oct 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

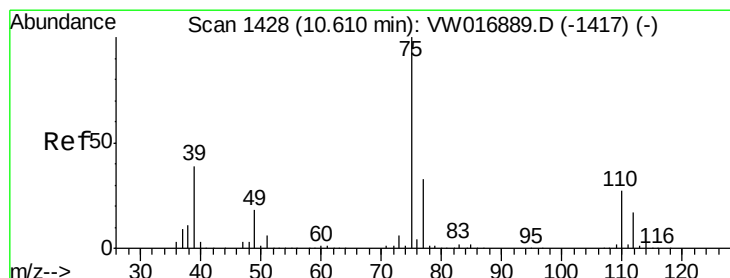
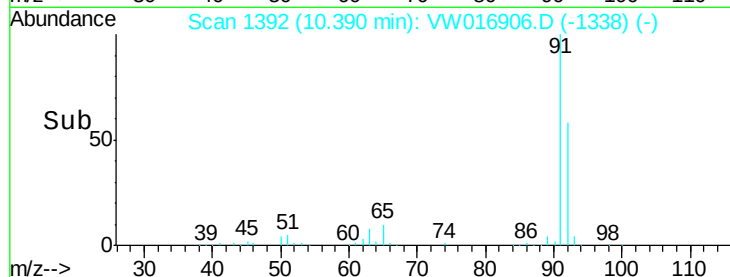
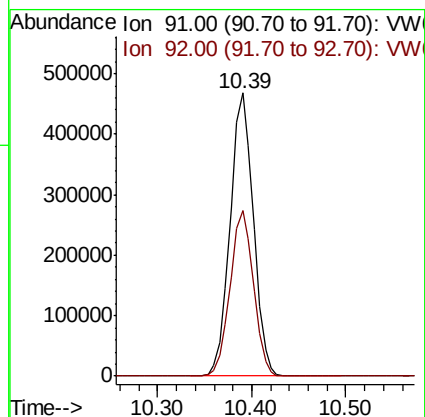
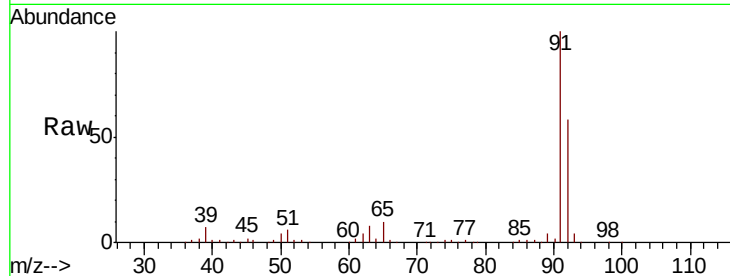
VSTD02511

Tot Ion: 91 Resp: 801014

Ion Ratio Lower Upper

91 100

92 58.5 39.4 73.2



#45

trans-1,3-Dichloropropene

Concen: 27.246 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016906.D

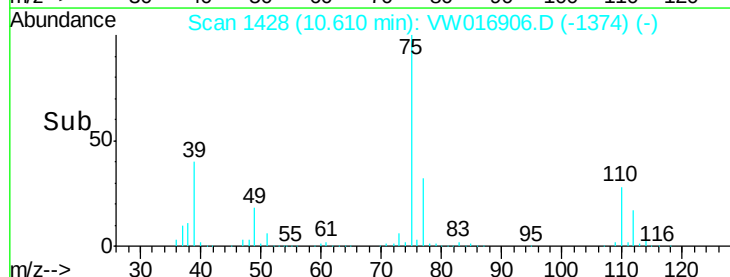
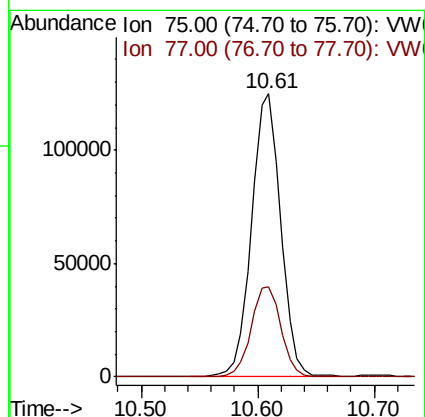
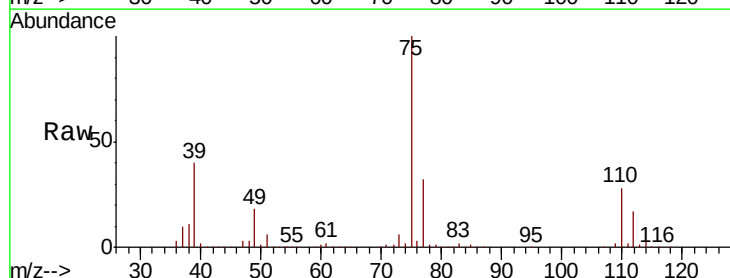
Acq: 15 Oct 2020 09:55

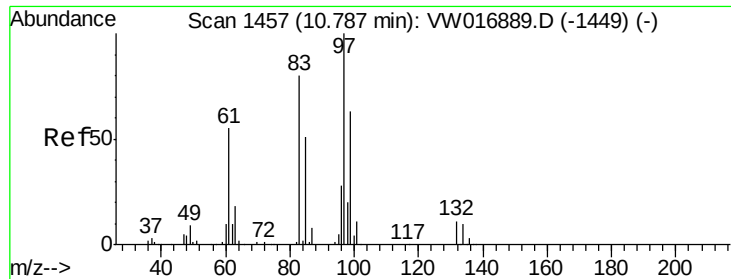
Tgt Ion: 75 Resp: 218708

Ion Ratio Lower Upper

75 100

77 31.9 22.2 41.2

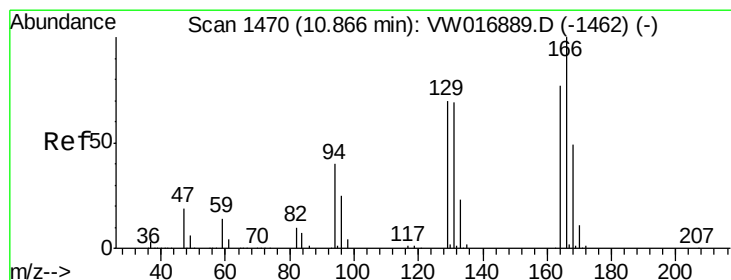
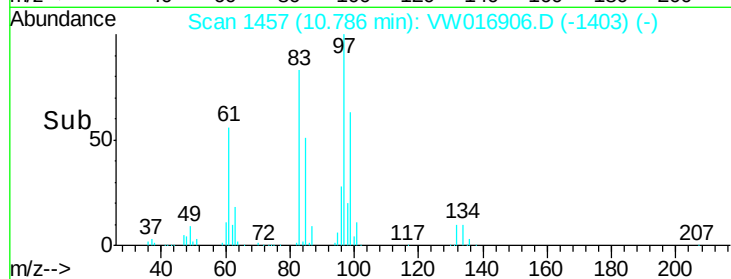
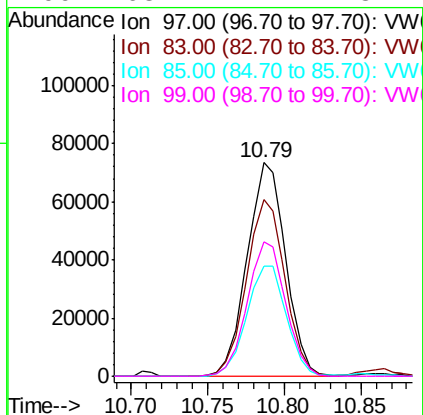
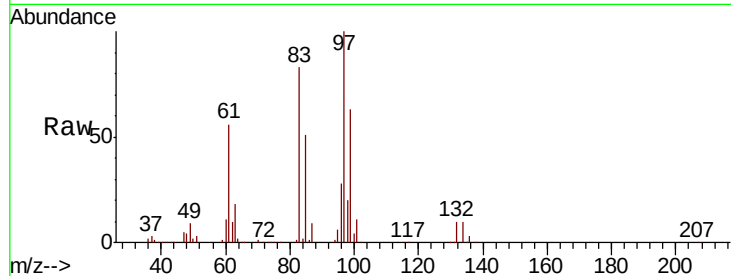




#46
 1,1,2-Trichloroethane
 Concen: 26.429 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW016906.D
 Acq: 15 Oct 2020 09:55

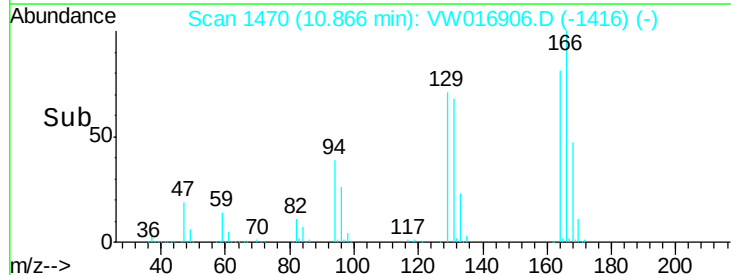
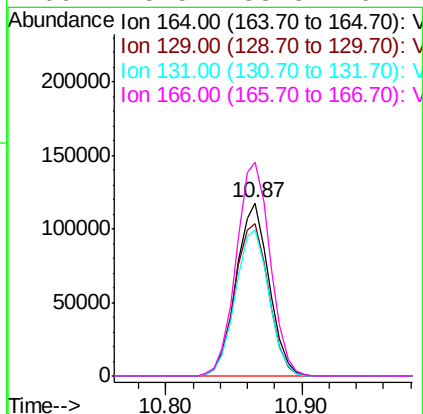
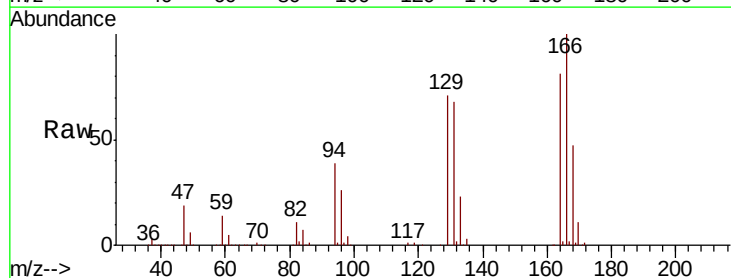
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

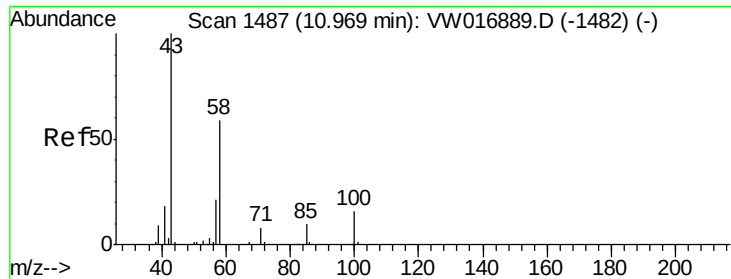
Tot Ion:	97	Resp:	128540
Ion	Ratio	Lower	Upper
97	100		
83	82.9	56.8	105.4
85	51.4	37.0	68.6
99	63.1	44.2	82.2



#47
 Tetrachloroethene
 Concen: 28.494 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW016906.D
 Acq: 15 Oct 2020 09:55

Tgt Ion:	164	Resp:	197713
Ion	Ratio	Lower	Upper
164	100		
129	88.3	61.7	114.7
131	84.4	59.7	110.9
166	123.5	88.3	164.1





#49

2-Hexanone

Concen: 54.841 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW016906.D

Acq: 15 Oct 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

Tot Ion: 43 Resp: 109032

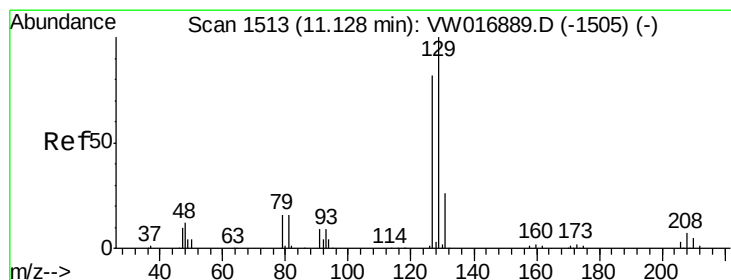
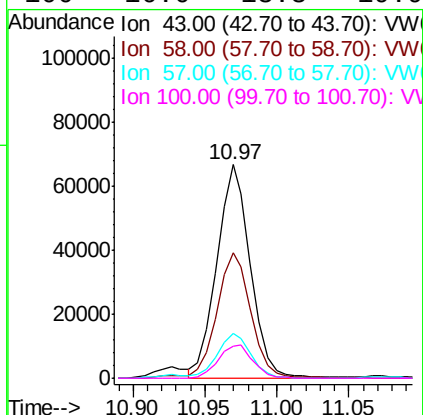
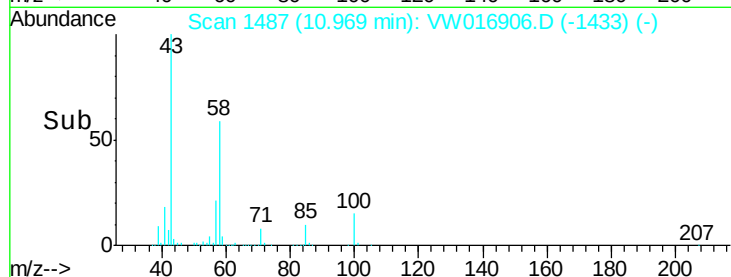
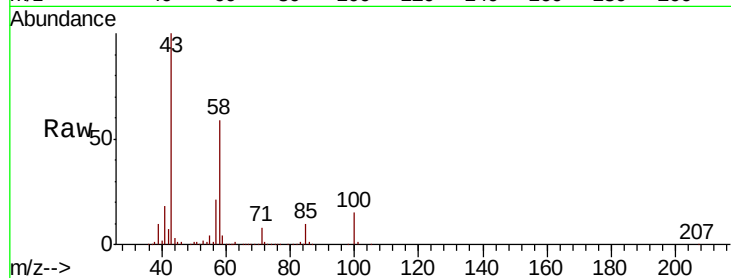
Ion Ratio Lower Upper

43 100

58 58.9 47.1 70.7

57 20.9 16.2 24.4

100 16.0 13.3 19.9



#50

Dibromochloromethane

Concen: 27.422 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW016906.D

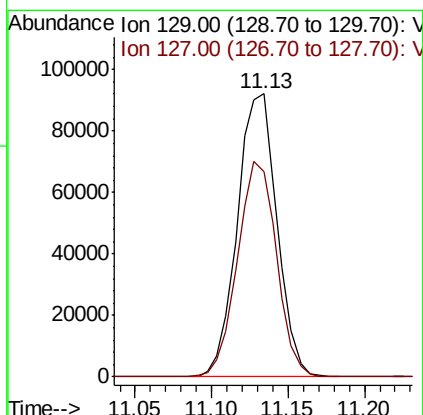
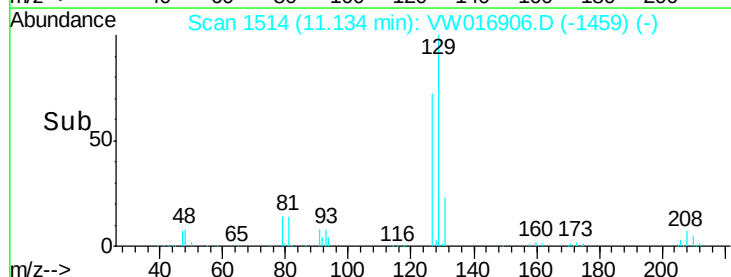
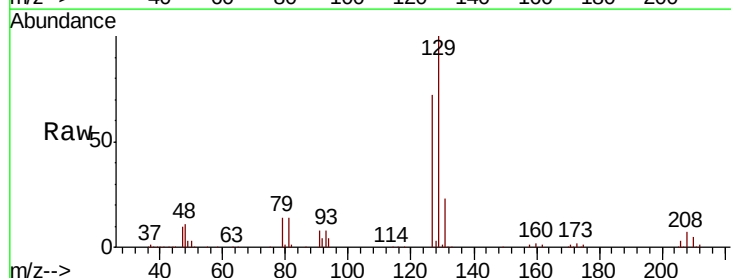
Acq: 15 Oct 2020 09:55

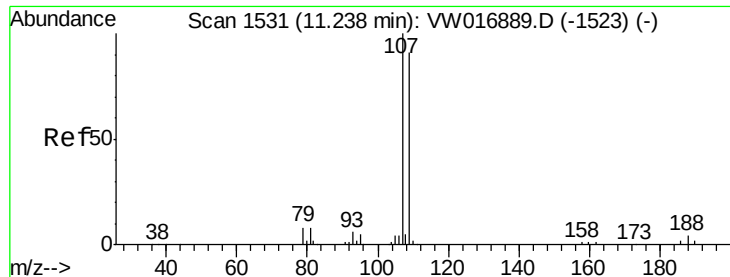
Tgt Ion: 129 Resp: 165805

Ion Ratio Lower Upper

129 100

127 72.4 54.0 100.4

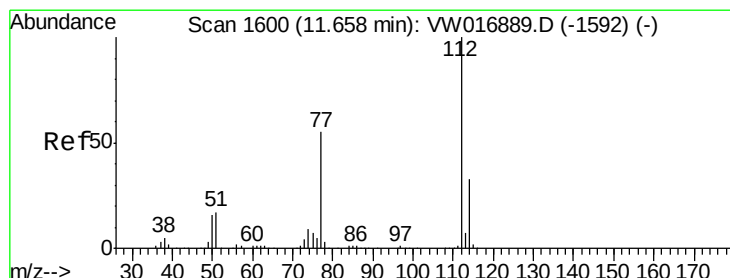
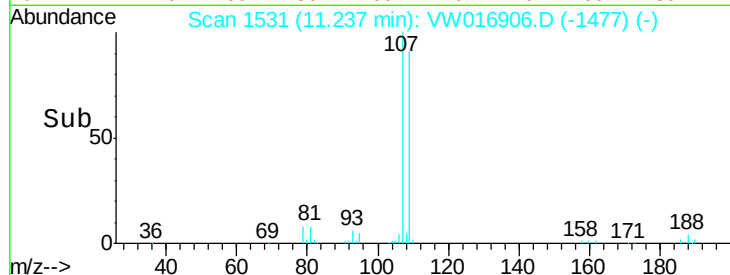
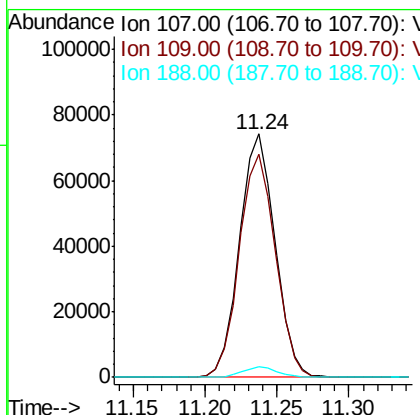
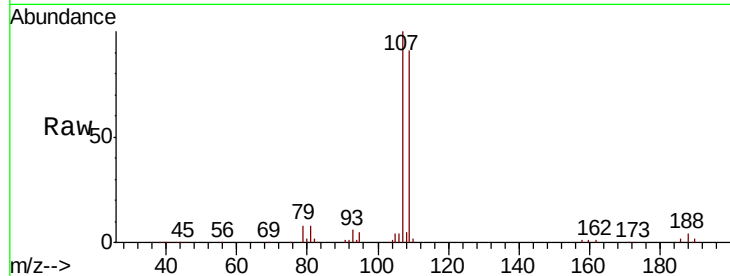




#51
 1,2-Dibromoethane
 Concen: 26.545 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW016906.D
 Acq: 15 Oct 2020 09:55

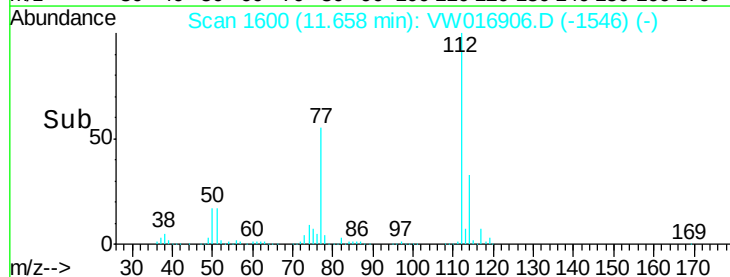
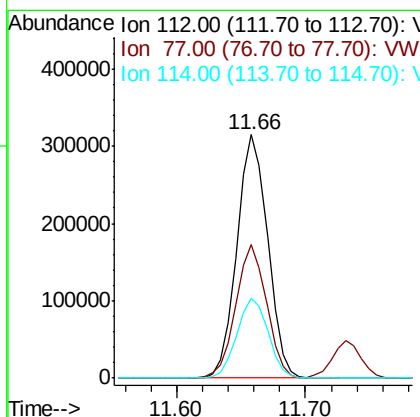
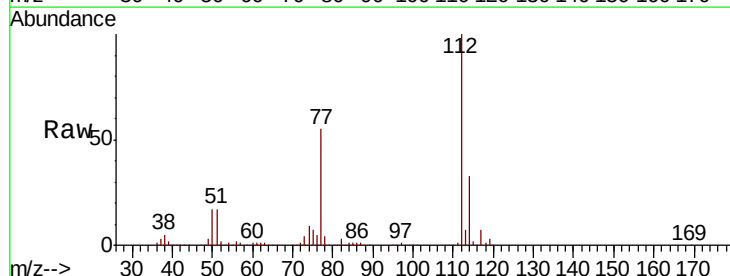
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

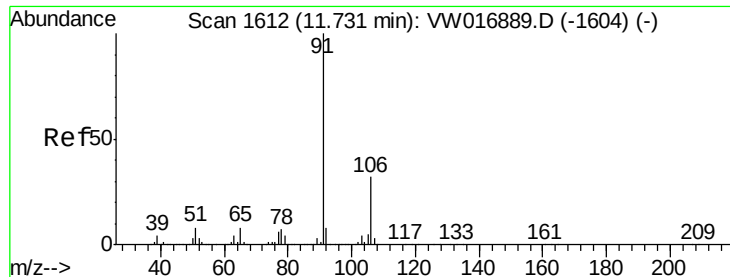
Tot Ion	Ratio	Lower	Upper
107	100		
109	91.4	68.4	127.0
188	4.3	3.4	5.0



#52
 Chlorobenzene
 Concen: 26.484 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW016906.D
 Acq: 15 Oct 2020 09:55

Tgt Ion	Ratio	Lower	Upper
112	100		
77	54.9	44.0	66.0
114	32.7	22.3	41.3





#53

Ethylbenzene

Concen: 27.413 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW016906.D

Acq: 15 Oct 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

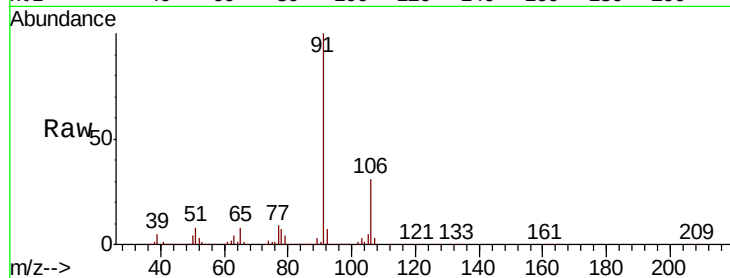
VSTD02511

Tot Ion: 91 Resp: 902651

Ion Ratio Lower Upper

91 100

106 31.1 22.8 42.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

11.73

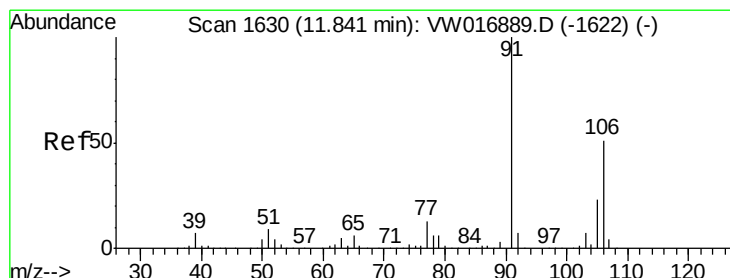
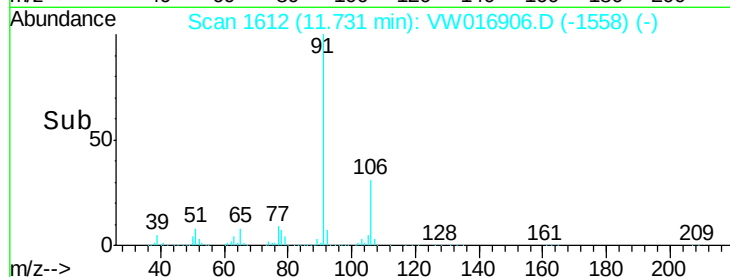
600000

400000

200000

0

Time-->



#54

m,p-Xylene

Concen: 27.370 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW016906.D

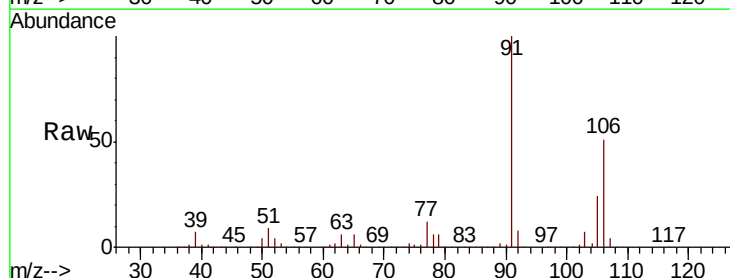
Acq: 15 Oct 2020 09:55

Tgt Ion: 106 Resp: 350503

Ion Ratio Lower Upper

106 100

91 197.4 135.6 251.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

11.84

500000

400000

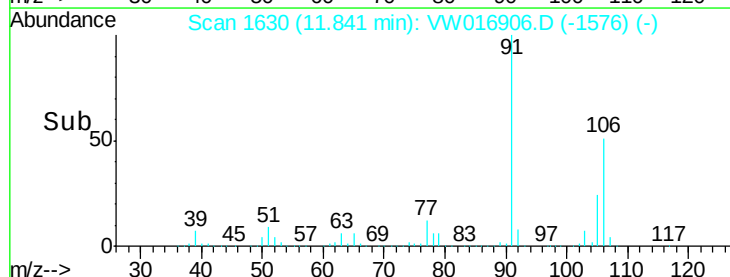
300000

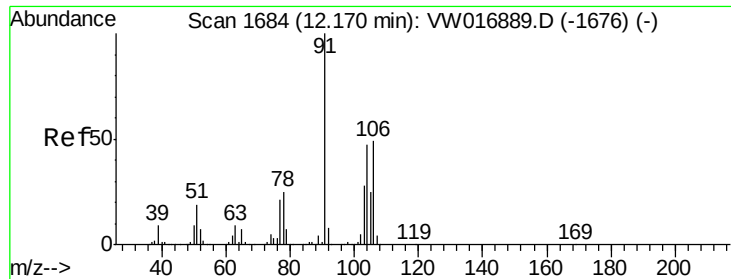
200000

100000

0

Time-->





#55

o-xylene

Concen: 26.815 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VW016906.D

Acq: 15 Oct 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

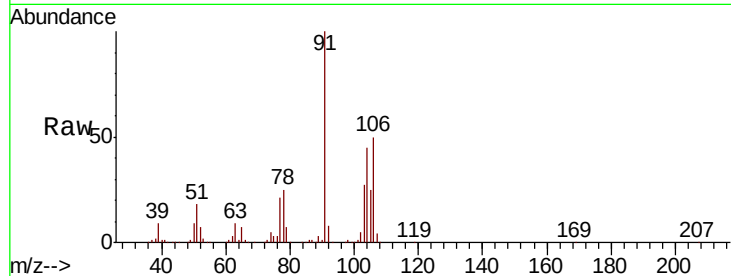
VSTD02511

Tot Ion:106 Resp: 328094

Ion Ratio Lower Upper

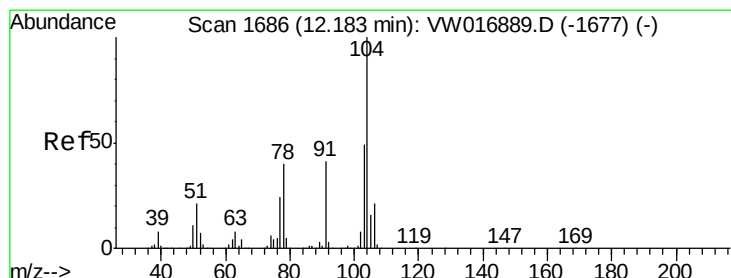
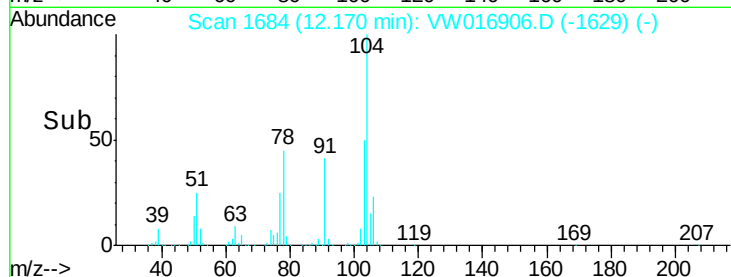
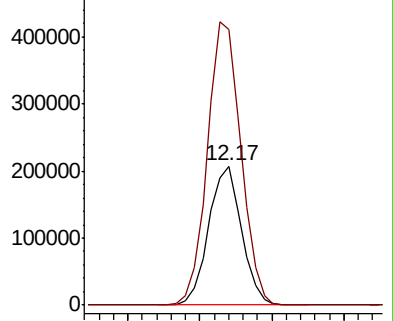
106 100

91 198.4 142.6 264.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.512 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW016906.D

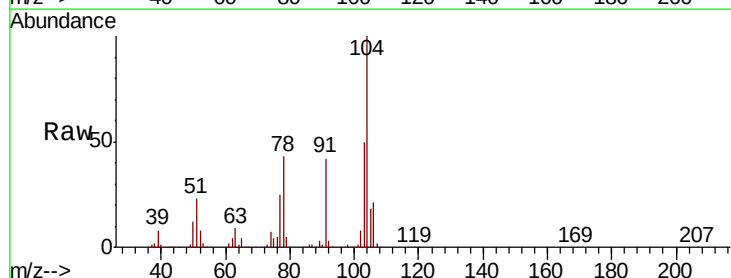
Acq: 15 Oct 2020 09:55

Tgt Ion:104 Resp: 555480

Ion Ratio Lower Upper

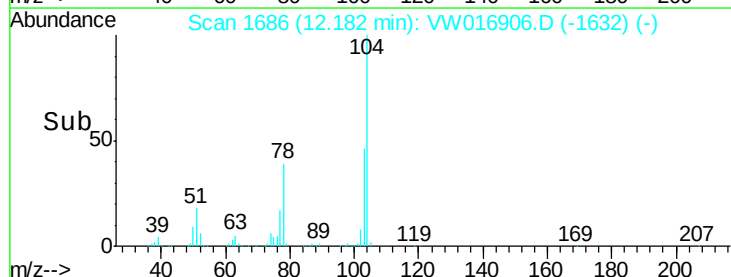
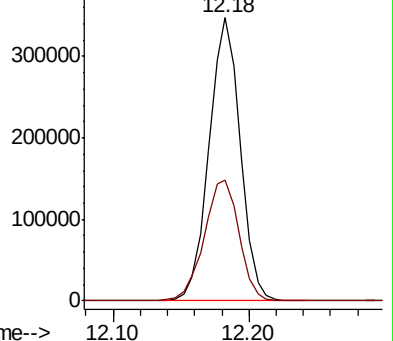
104 100

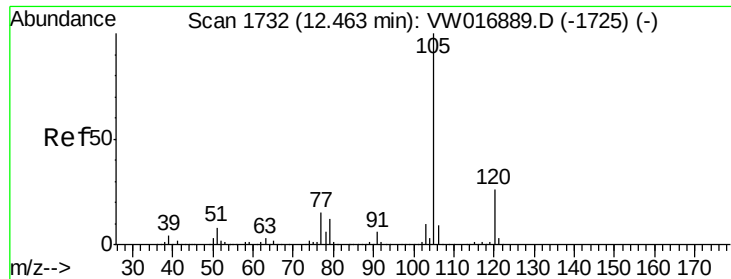
78 42.6 30.7 57.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 27.784 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW016906.D

Acq: 15 Oct 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

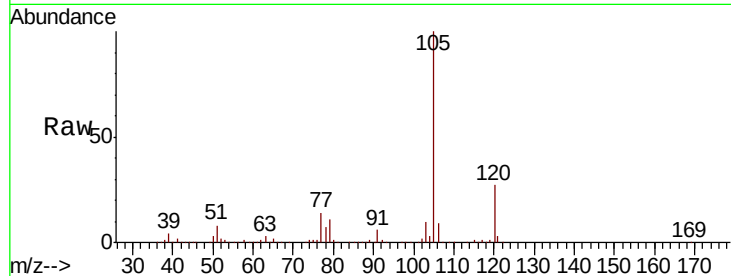
Tot Ion:105 Resp: 930908

Ion Ratio Lower Upper

105 100

120 27.3 21.5 32.3

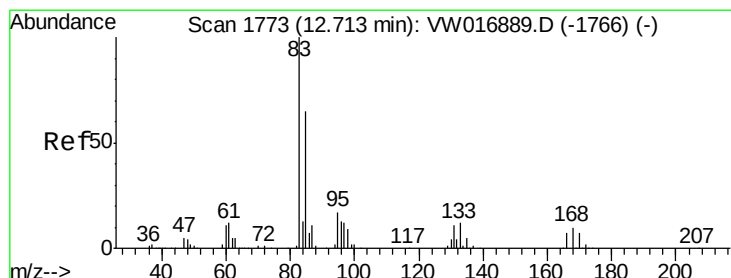
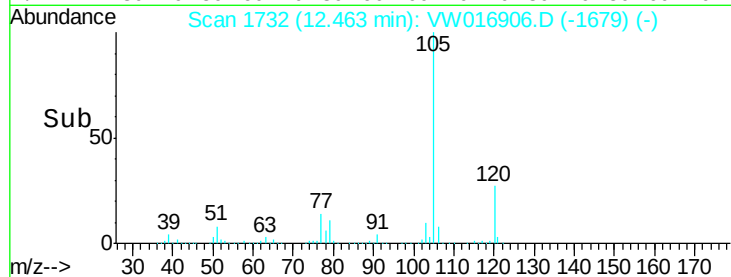
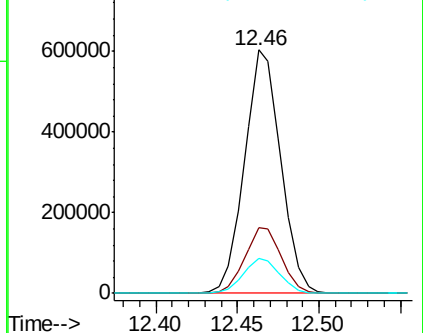
77 14.5 11.4 17.2



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: 26.306 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW016906.D

Acq: 15 Oct 2020 09:55

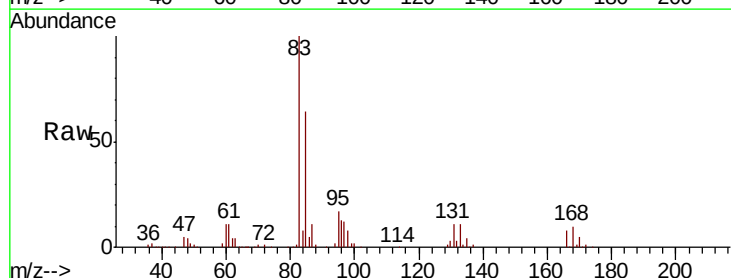
Tgt Ion: 83 Resp: 141397

Ion Ratio Lower Upper

83 100

85 64.4 43.3 80.5

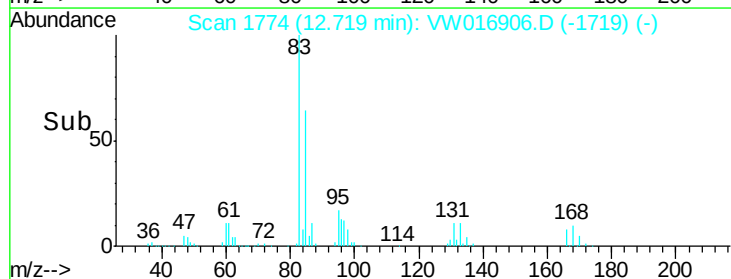
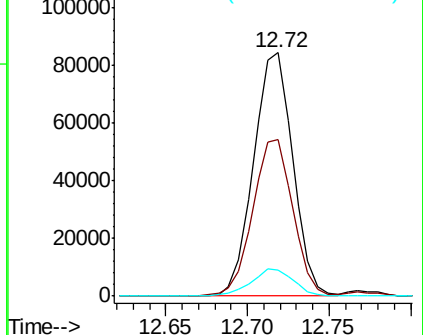
131 10.7 9.0 13.4

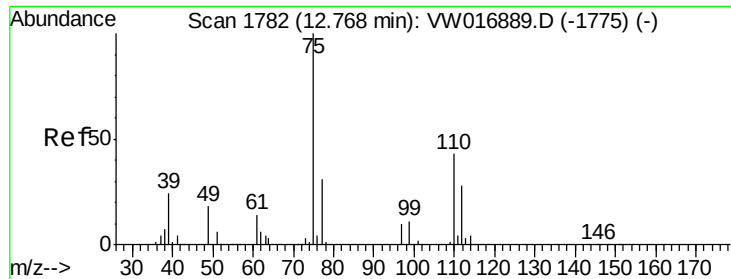


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

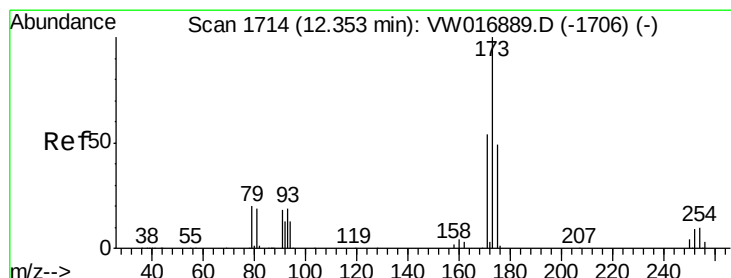
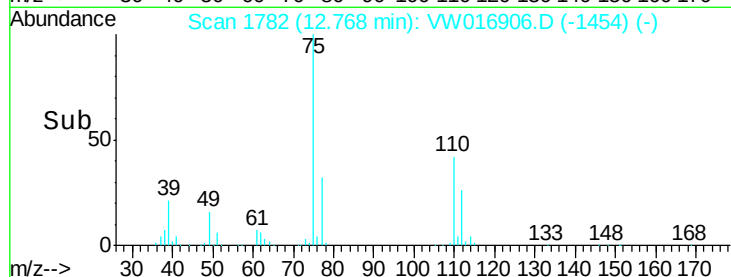
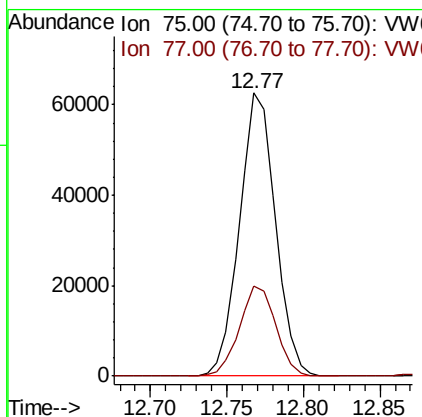
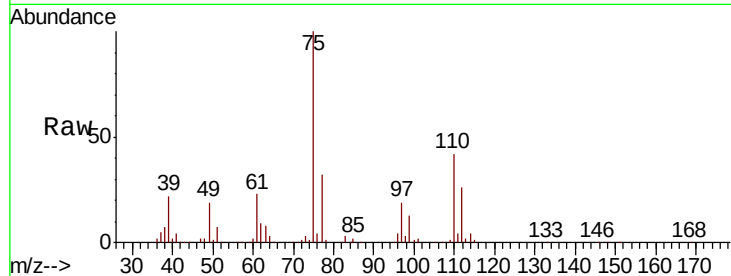




#59
 1,2,3-Trichloropropane
 Concen: 26.233 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW016906.D
 Acq: 15 Oct 2020 09:55

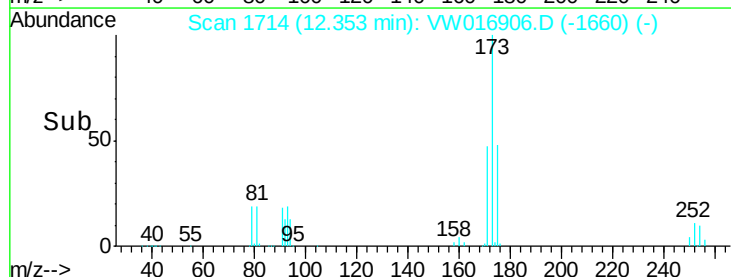
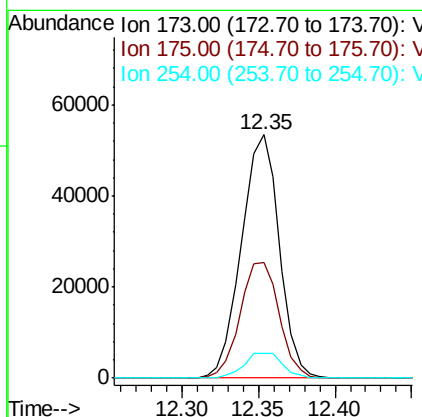
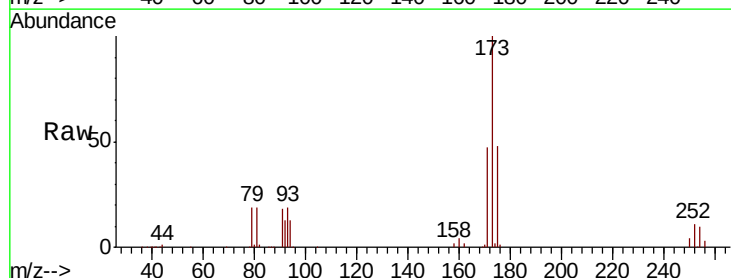
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

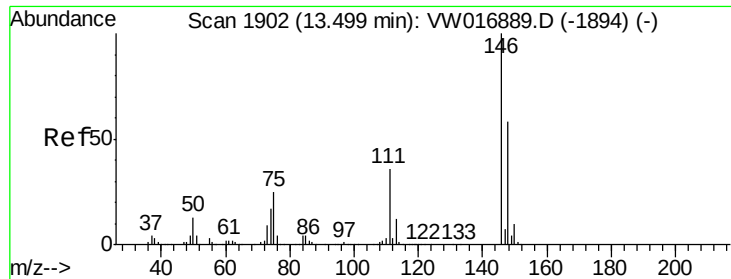
Tot Ion: 75 Resp: 102148
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.2 39.2



#62
 Bromoform
 Concen: 27.321 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: VW016906.D
 Acq: 15 Oct 2020 09:55

Tgt Ion: 173 Resp: 91965
 Ion Ratio Lower Upper
 173 100
 175 49.1 39.9 59.9
 254 10.3 8.7 13.1

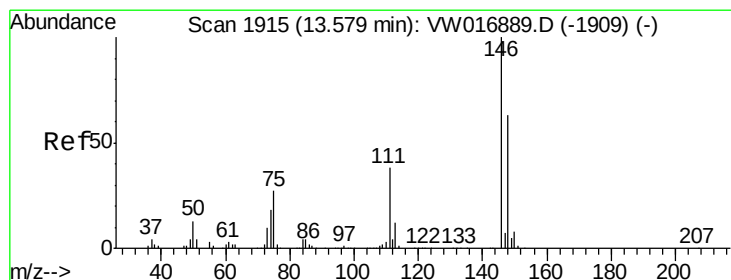
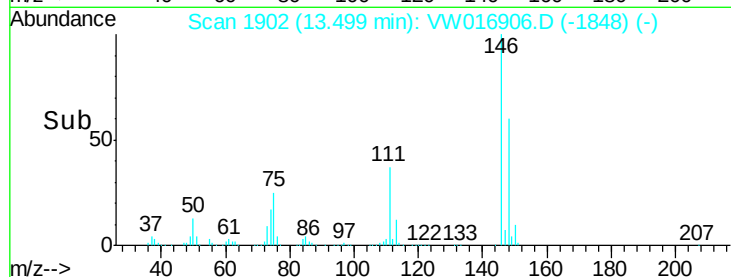
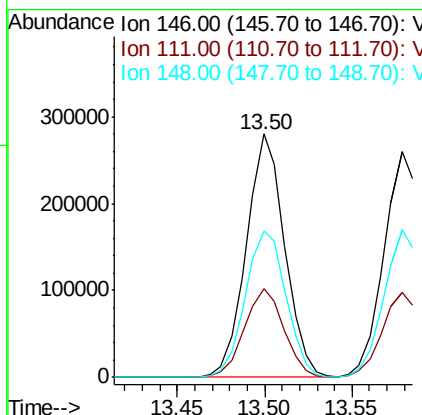
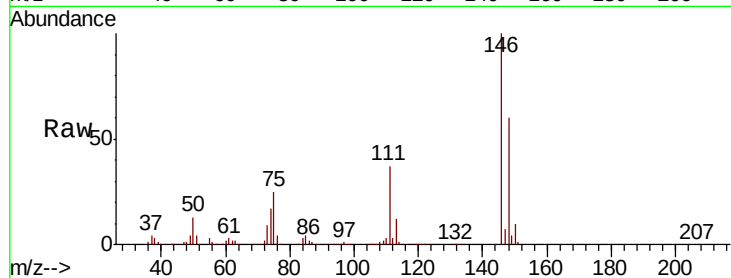




#63
 1,3-Dichlorobenzene
 Concen: 27.996 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016906.D
 Acq: 15 Oct 2020 09:55

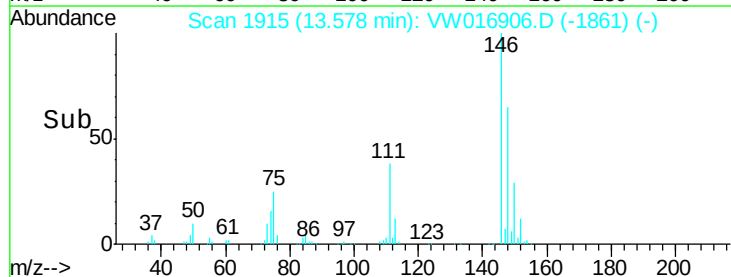
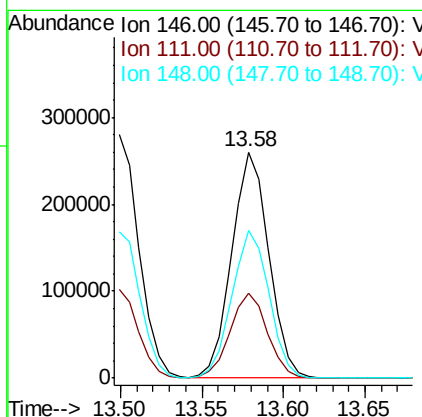
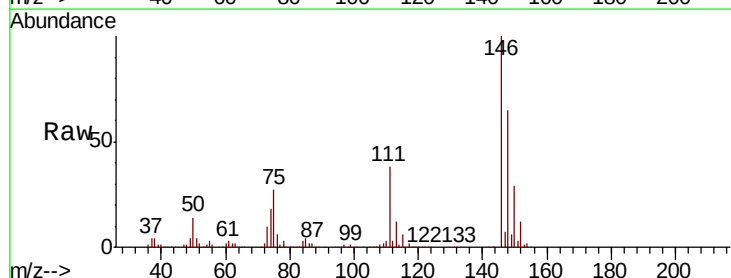
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02511

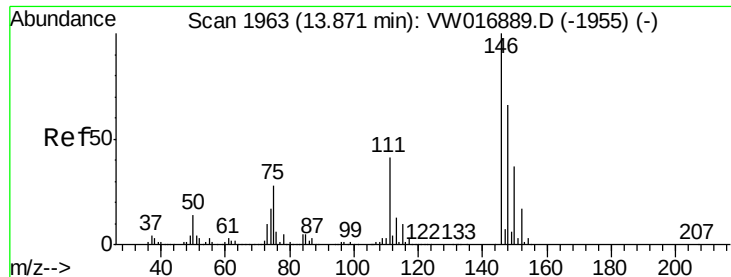
Tot Ion:146 Resp: 426353
 Ion Ratio Lower Upper
 146 100
 111 36.6 26.9 49.9
 148 60.1 45.7 84.9



#64
 1,4-Dichlorobenzene
 Concen: 26.944 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016906.D
 Acq: 15 Oct 2020 09:55

Tgt Ion:146 Resp: 410358
 Ion Ratio Lower Upper
 146 100
 111 37.6 26.0 48.4
 148 65.4 43.9 81.5

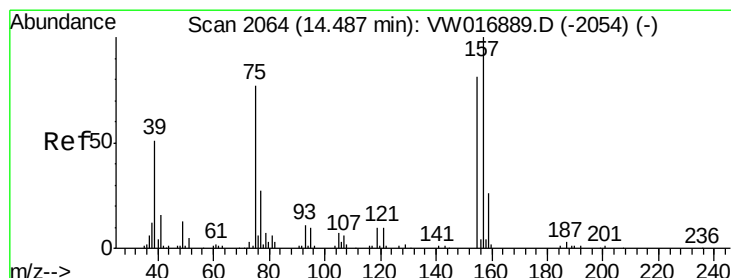
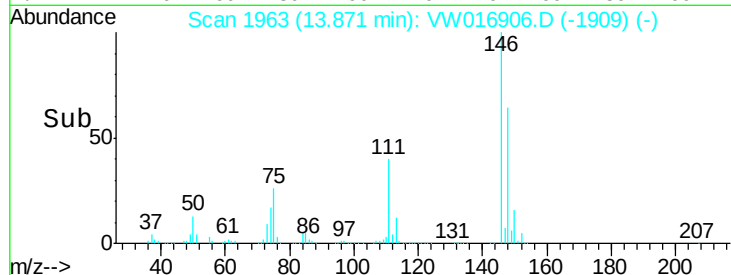
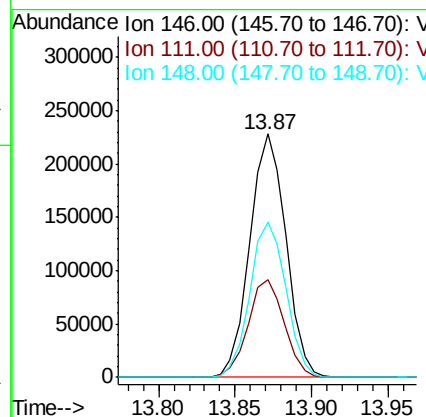
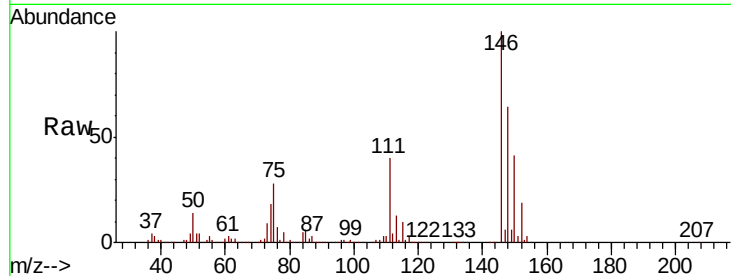




#65
 1,2-Dichlorobenzene
 Concen: 27.477 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW016906.D
 Acq: 15 Oct 2020 09:55

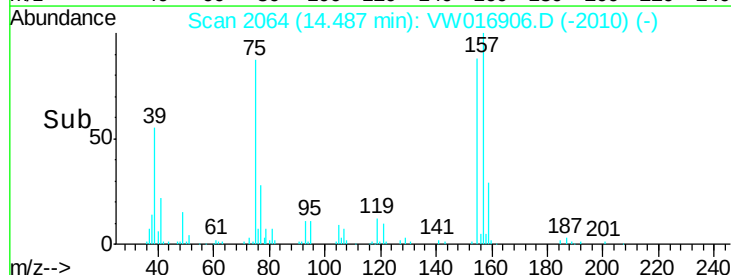
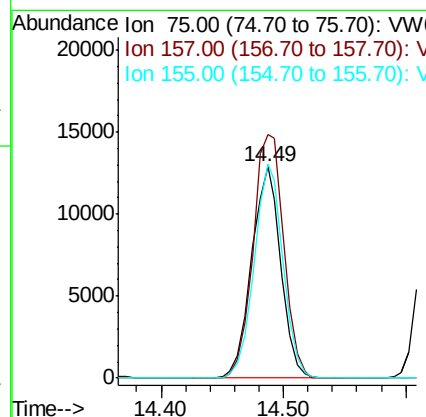
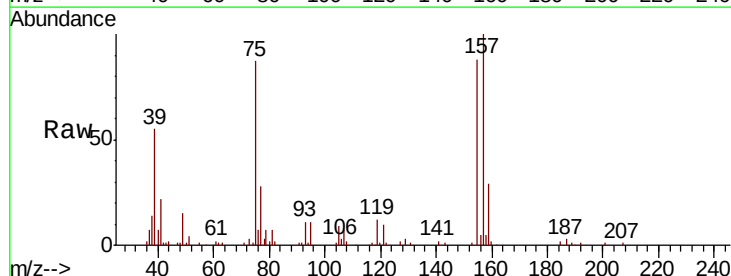
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

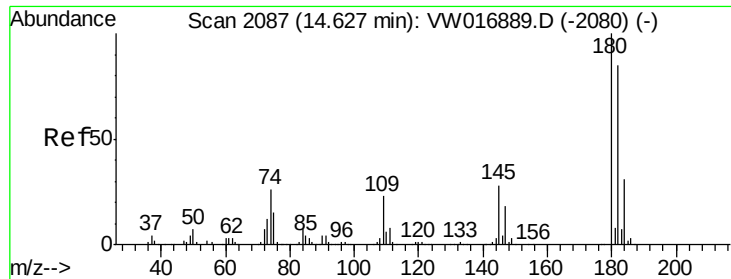
Tot Ion:146 Resp: 374653
 Ion Ratio Lower Upper
 146 100
 111 40.2 32.1 48.1
 148 64.0 51.8 77.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.764 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW016906.D
 Acq: 15 Oct 2020 09:55

Tgt Ion: 75 Resp: 21309
 Ion Ratio Lower Upper
 75 100
 157 115.2 100.5 150.7
 155 101.5 74.7 112.1

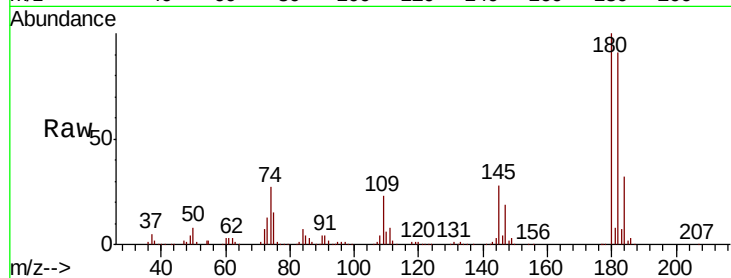




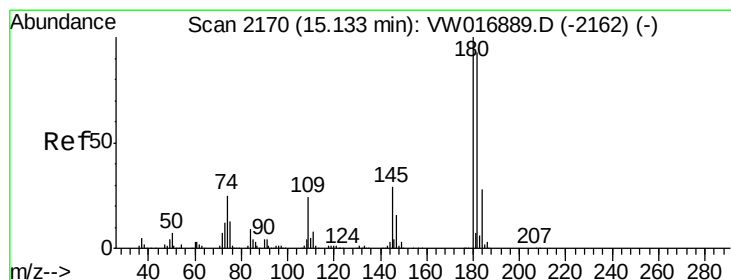
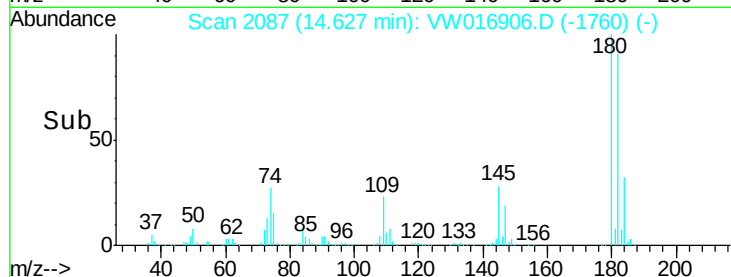
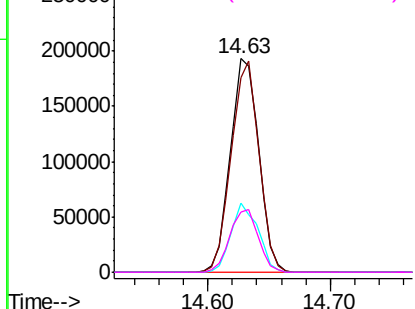
#67
 1,3,5-Trichlorobenzene
 Concen: 27.353 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW016906.D
 Acq: 15 Oct 2020 09:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Tot Ion:180	Resp:	309637
Ion	Ratio	Lower Upper
180	100	
182	96.3	79.0 118.6
184	31.1	24.9 37.3
145	29.3	23.0 34.4

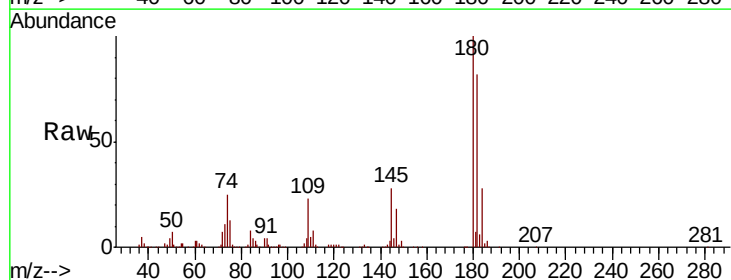


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

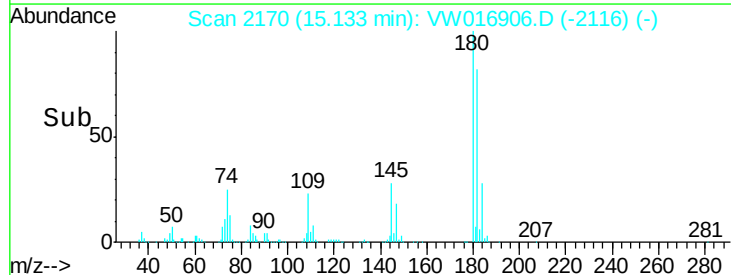
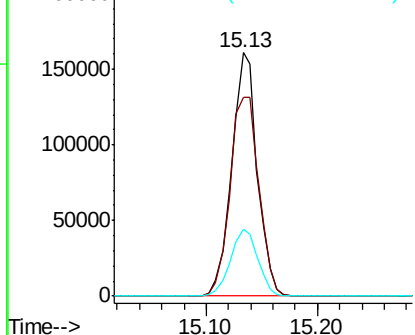


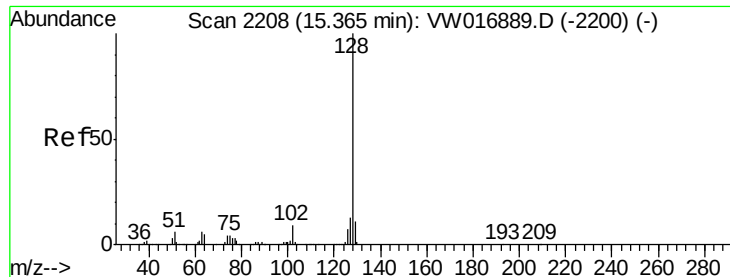
#68
 1,2,4-trichlorobenzene
 Concen: 27.382 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016906.D
 Acq: 15 Oct 2020 09:55

Tgt Ion:180	Resp:	254587
Ion	Ratio	Lower Upper
180	100	
182	93.0	74.2 111.2
145	29.4	23.4 35.0



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





#69

Naphthalene

Concen: 27.927 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW016906.D

Acq: 15 Oct 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

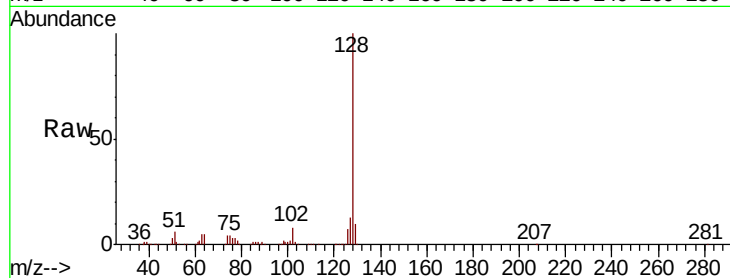
Tot Ion:128 Resp: 429983

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

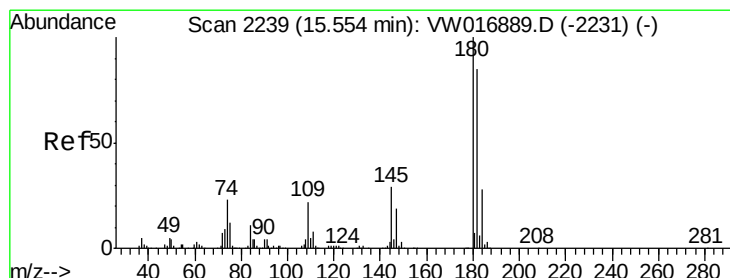
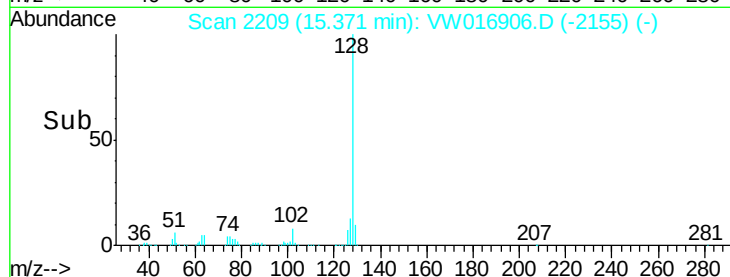
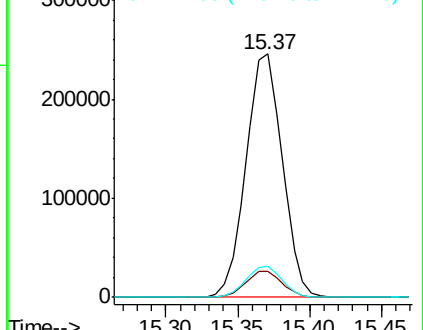
127 12.7 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 27.242 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW016906.D

Acq: 15 Oct 2020 09:55

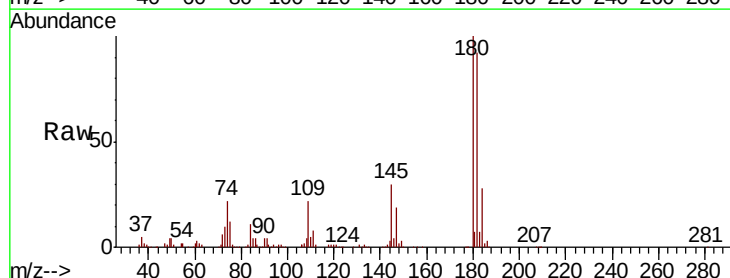
Tgt Ion:180 Resp: 217650

Ion Ratio Lower Upper

180 100

182 95.5 74.1 111.1

145 31.8 24.8 37.2



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

