

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081820\
 Data File : VW016229.D
 Acq On : 18 Aug 2020 09:25
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

Quant Time: Aug 19 05:45:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 18 03:20:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	399698	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	368360	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	178180	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	94879	19.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.60%
7) Chloroethane-d5	2.90	69	77978	20.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.92%
10) 1,1-Dichloroethene-d2	4.02	63	229265	21.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.12%
20) 2-Butanone-d5	7.08	46	57983	44.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.94%
24) Chloroform-d	7.65	84	239276	22.31	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.24%
26) 1,2-Dichloroethane-d4	8.31	65	118184	20.74	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	82.96%
29) Benzene-d6	8.27	84	459414	22.93	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.72%
33) 1,2-Dichloropropane-d6	9.27	67	131983	22.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.60%
37) Toluene-d8	10.32	98	426271	23.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.76%
38) trans-1,3-Dichloropropene-	10.58	79	58712	22.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.68%
39) 2-Hexanone-d5	10.93	63	48374	47.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.18%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	112630	23.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.92%
61) 1,2-Dichlorobenzene-d4	13.85	152	148573	23.52	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.08%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	110675	27.410	ug/L	98
3) Chloromethane	2.22	50	92542	23.079	ug/L	98
5) Vinyl chloride	2.37	62	127670	23.990	ug/L	100
6) Bromomethane	2.79	94	81385	24.418	ug/L	99
8) Chloroethane	2.93	64	73764	24.615	ug/L	98
9) Trichlorofluoromethane	3.26	101	115030	30.281	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	133582	24.883	ug/L	93
12) 1,1-Dichloroethene	4.04	96	135107	26.337	ug/L	82
13) Acetone	4.12	43	52393	53.113	ug/L	95
14) Carbon disulfide	4.38	76	416097	25.840	ug/L	98
15) Methyl Acetate	4.67	43	51446	22.181	ug/L	97
16) Methylene chloride	4.92	84	141812	22.470	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	182024	25.039	ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	140027	25.949	ug/L	87
19) 1,1-Dichloroethane	6.22	63	230571	24.149	ug/L	98
21) 2-Butanone	7.17	43	70400	45.031	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	142948	25.111	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

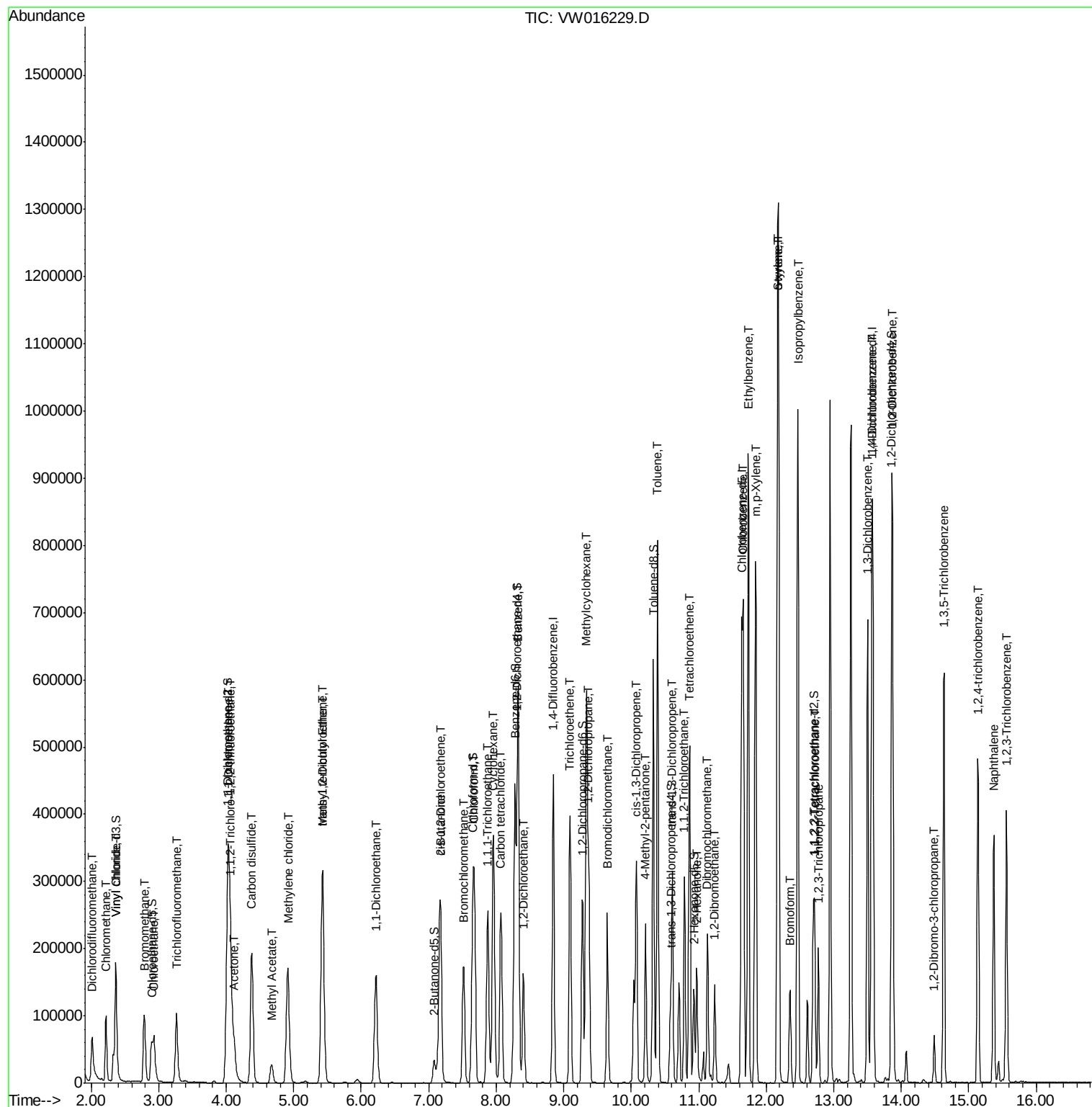
23) Bromochloromethane	7.52	128	67814	25.956	ug/L #	89
25) Chloroform	7.68	83	245336	24.153	ug/L	99
27) 1,2-Dichloroethane	8.40	62	148634	21.967	ug/L	95
30) Cyclohexane	7.96	56	203936	25.444	ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	214081	25.292	ug/L	99
32) Carbon tetrachloride	8.07	117	201681	25.192	ug/L	99
34) Benzene	8.32	78	544248	25.621	ug/L	100
35) Trichloroethene	9.09	95	143784	25.173	ug/L	96
36) Methylcyclohexane	9.34	83	249427	26.508	ug/L	97
40) 1,2-Dichloropropane	9.37	63	126745	24.297	ug/L	99
41) Bromodichloromethane	9.65	83	172694	24.099	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	200601	25.251	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	142930	45.555	ug/L	97
44) Toluene	10.39	91	593826	26.482	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	177760	24.909	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	101574	24.737	ug/L	99
47) Tetrachloroethene	10.87	164	112127	26.186	ug/L	99
49) 2-Hexanone	10.97	43	99222	46.866	ug/L	97
50) Dibromochloromethane	11.13	129	123569	25.551	ug/L	100
51) 1,2-Dibromoethane	11.24	107	98933	25.414	ug/L	97
52) Chlorobenzene	11.66	112	377859	25.468	ug/L	94
53) Ethylbenzene	11.73	91	658274	25.874	ug/L	98
54) m,p-Xylene	11.84	106	255266	26.673	ug/L	96
55) o-xylene	12.17	106	239439	26.562	ug/L	97
56) Styrene	12.18	104	421708	27.021	ug/L	98
57) Isopropylbenzene	12.47	105	654396	26.925	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	119111	24.861	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	86739	23.897	ug/L	99
62) Bromoform	12.35	173	64177	23.819	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	288020	25.593	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	291998	25.470	ug/L	93
65) 1,2-Dichlorobenzene	13.87	146	259493	25.149	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	19018	21.019	ug/L #	84
67) 1,3,5-Trichlorobenzene	14.63	180	188539	26.550	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	155435	27.007	ug/L	96
69) Naphthalene	15.37	128	312527	25.726	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	139113	26.605	ug/L	98

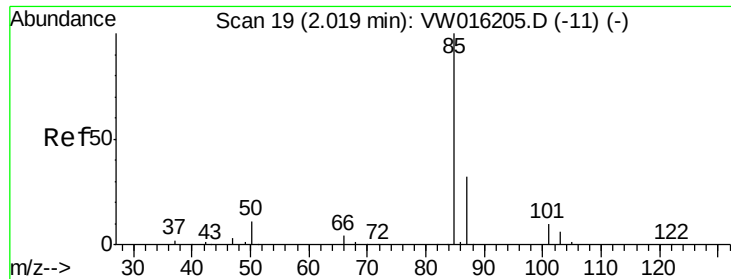
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 27.410 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.01 min

Lab File: VW016229.D

Acq: 18 Aug 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

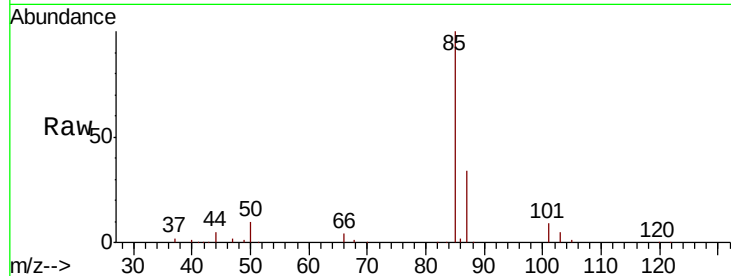
VSTD02517

Tot Ion: 85 Resp: 110675

Ion Ratio Lower Upper

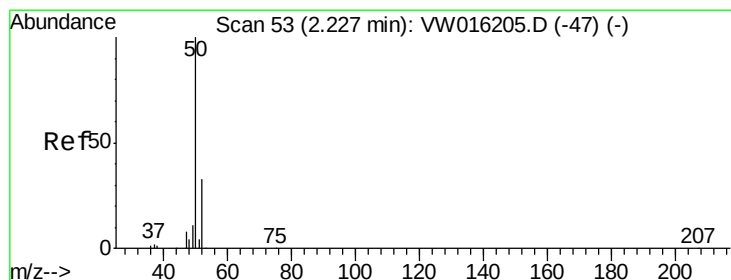
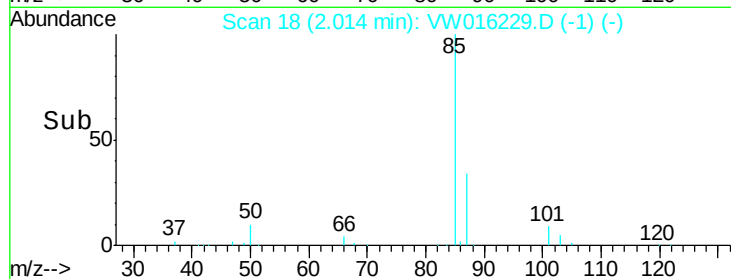
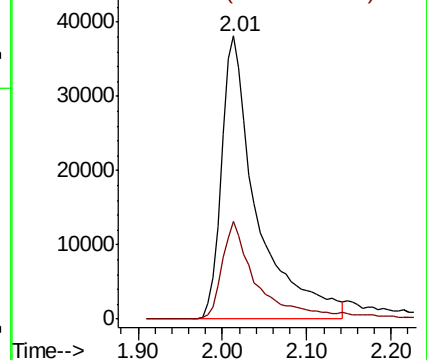
85 100

87 32.8 22.0 41.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 23.079 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.01 min

Lab File: VW016229.D

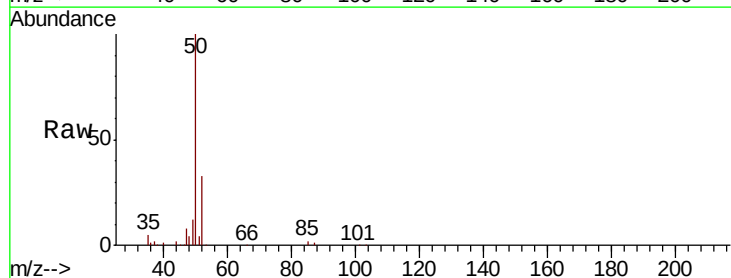
Acq: 18 Aug 2020 09:25

Tgt Ion: 50 Resp: 92542

Ion Ratio Lower Upper

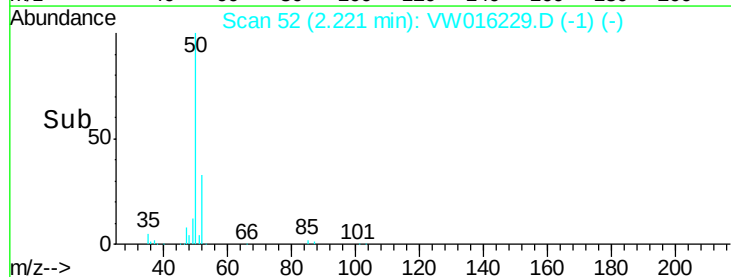
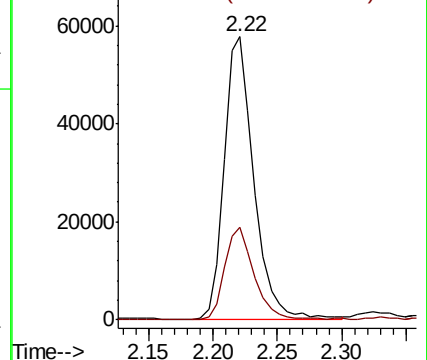
50 100

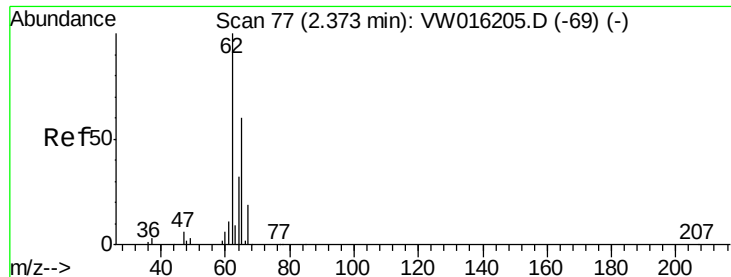
52 32.7 22.0 40.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 23.990 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW016229.D

Acq: 18 Aug 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

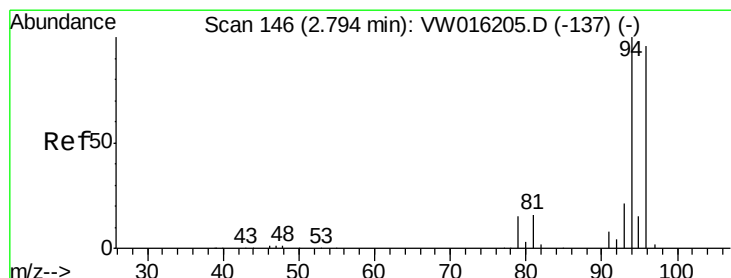
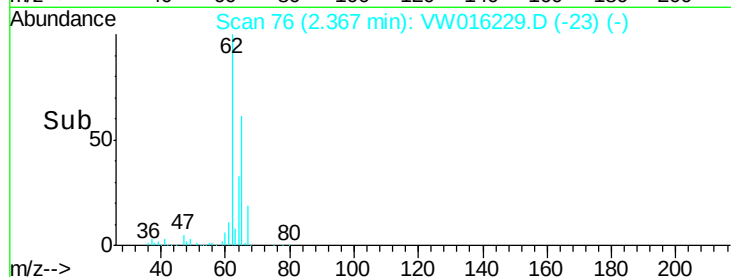
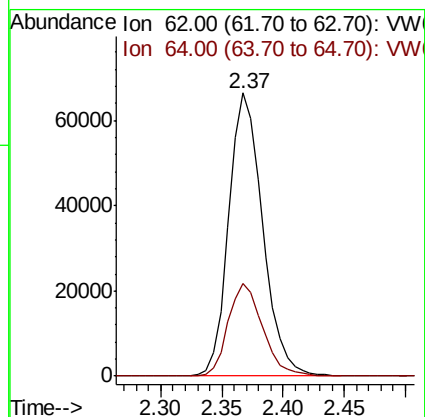
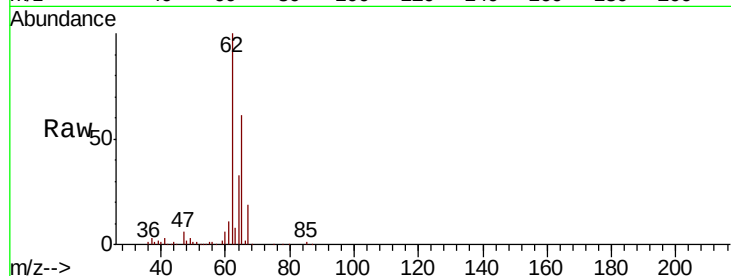
VSTD02517

Tot Ion: 62 Resp: 127670

Ion Ratio Lower Upper

62 100

64 32.8 23.0 42.8



#6

Bromomethane

Concen: 24.418 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.01 min

Lab File: VW016229.D

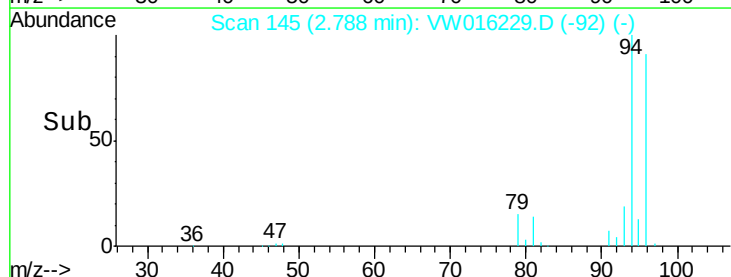
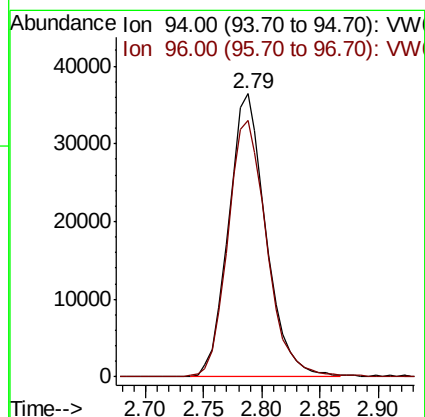
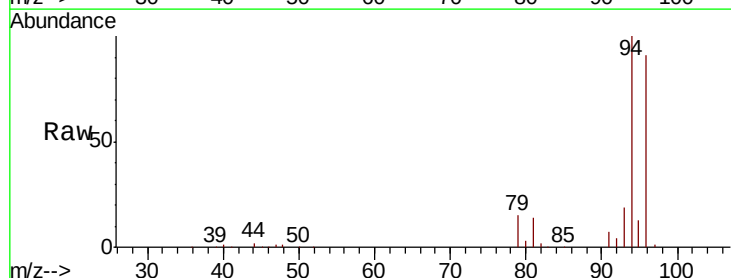
Acq: 18 Aug 2020 09:25

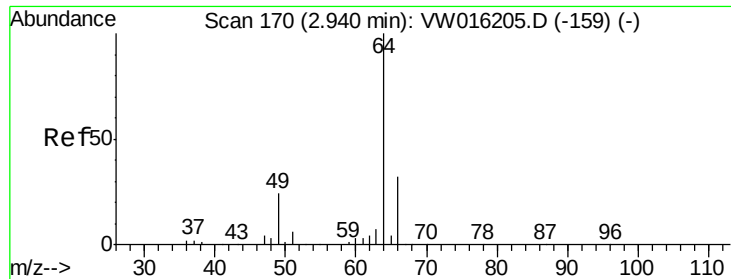
Tgt Ion: 94 Resp: 81385

Ion Ratio Lower Upper

94 100

96 94.3 9.4 178.2





#8

Chloroethane

Concen: 24.615 ug/L

RT: 2.93 min Scan# 169

Delta R.T. -0.01 min

Lab File: VW016229.D

Acq: 18 Aug 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

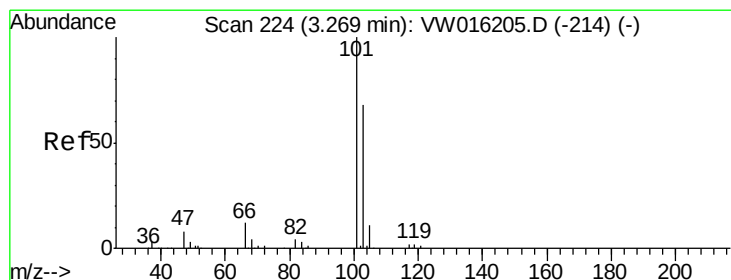
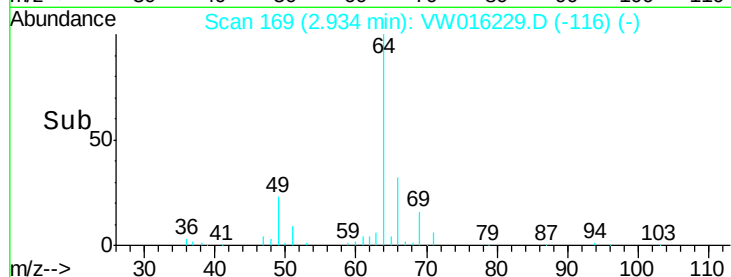
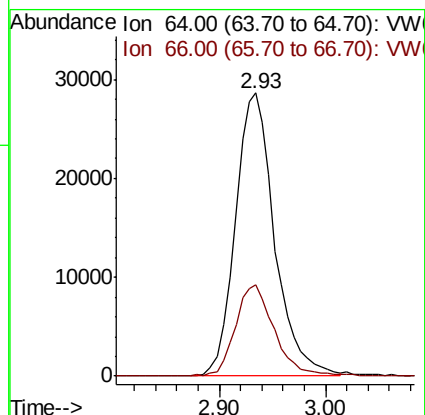
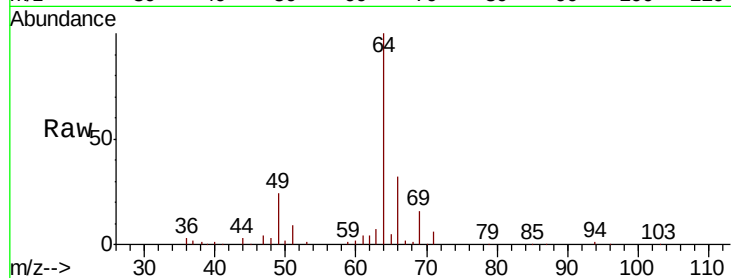
VSTD02517

Tot Ion: 64 Resp: 73764

Ion Ratio Lower Upper

64 100

66 32.4 21.8 40.4



#9

Trichlorofluoromethane

Concen: 30.281 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.01 min

Lab File: VW016229.D

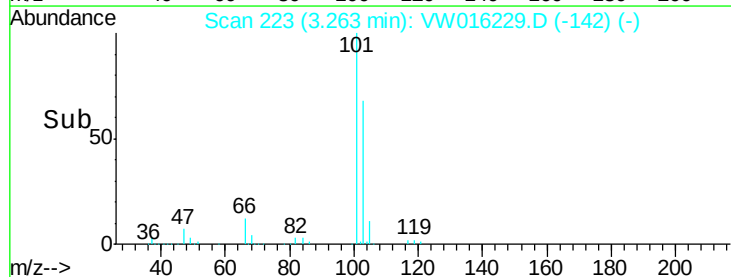
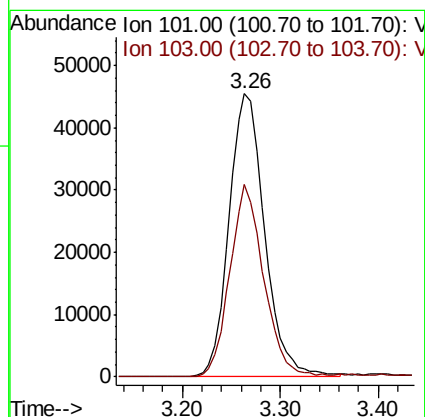
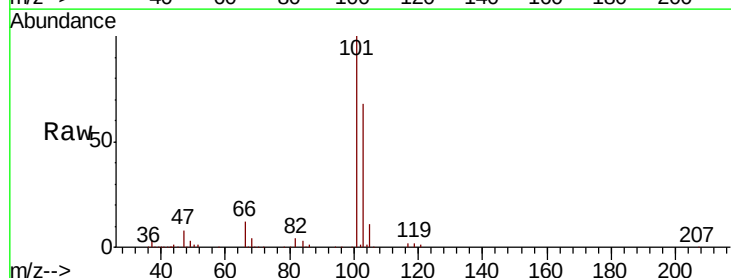
Acq: 18 Aug 2020 09:25

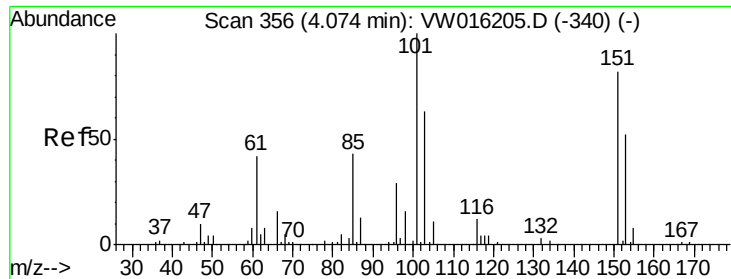
Tgt Ion: 101 Resp: 115030

Ion Ratio Lower Upper

101 100

103 64.5 45.6 84.6





#11

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

Concen: 24.883 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW016229.D

Acq: 18 Aug 2020 09:25

Instrument :

MSVOA_W

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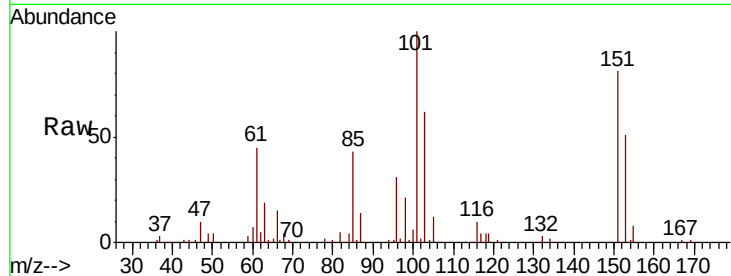
Tot Ion:101 Resp: 133582

Ion Ratio Lower Upper

101 100

85 43.1 34.2 51.4

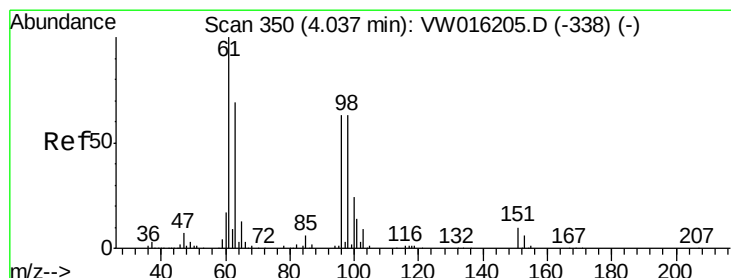
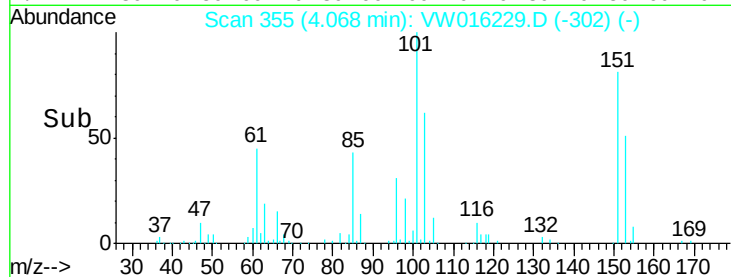
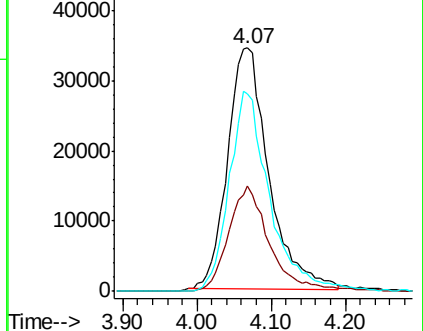
151 81.4 57.4 86.2



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: 26.337 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW016229.D

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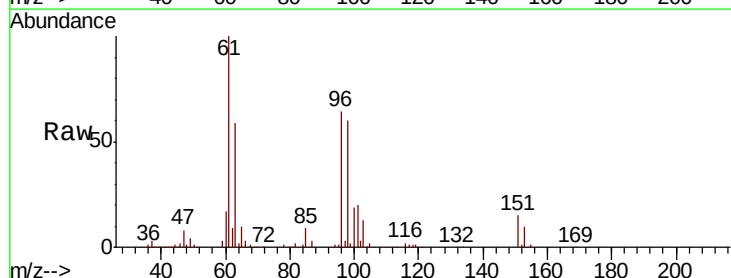
Tgt Ion: 96 Resp: 135107

Ion Ratio Lower Upper

96 100

61 156.0 120.2 223.2

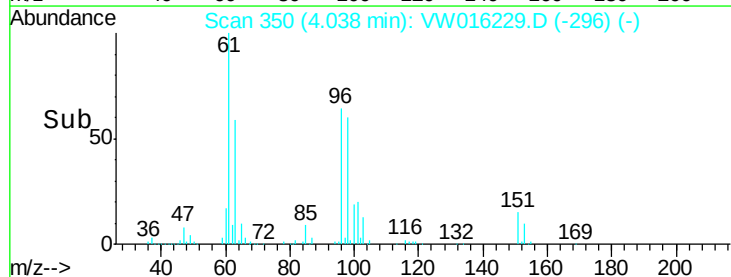
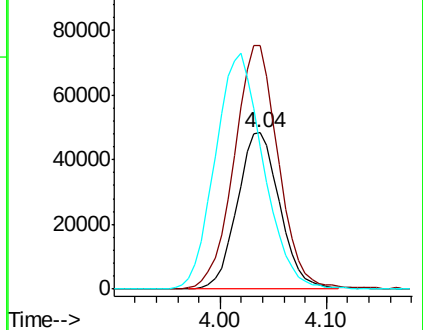
63 91.7 86.4 160.4

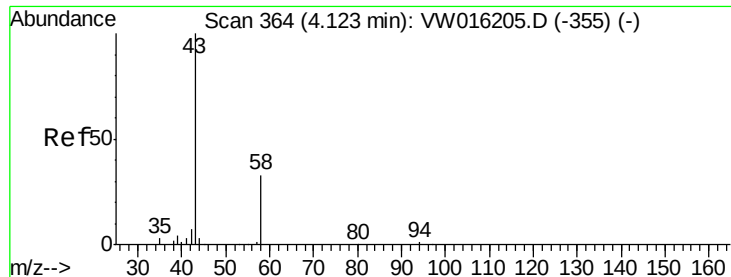


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

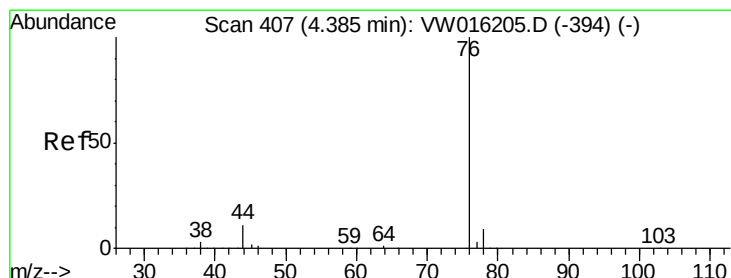
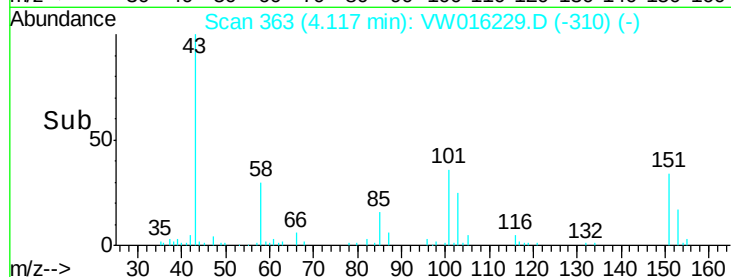
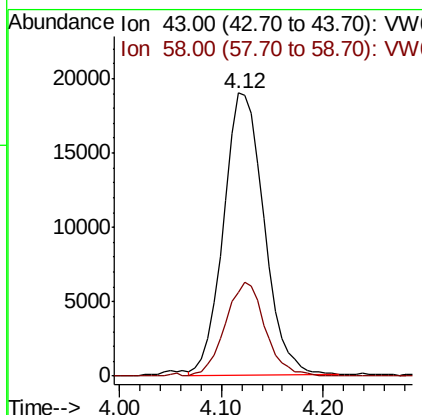
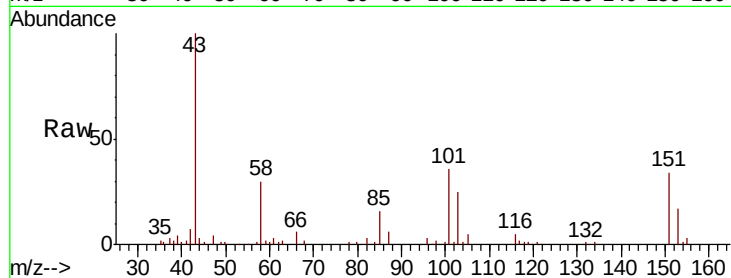




#13
Acetone
Concen: 53.113 ug/L
RT: 4.12 min Scan# 363
Delta R.T. -0.01 min
Lab File: VW016229.D
Acq: 18 Aug 2020 09:25

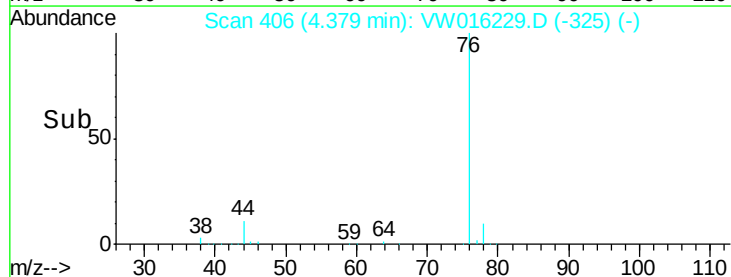
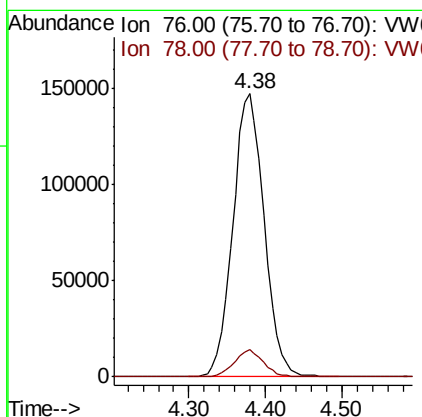
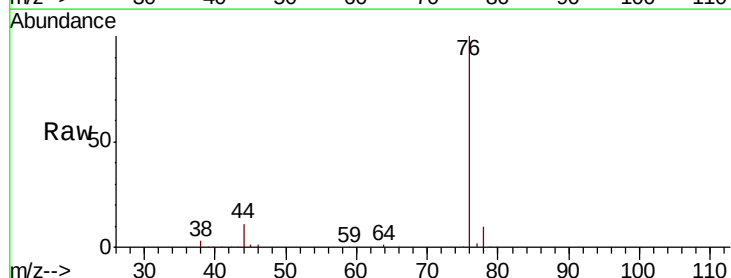
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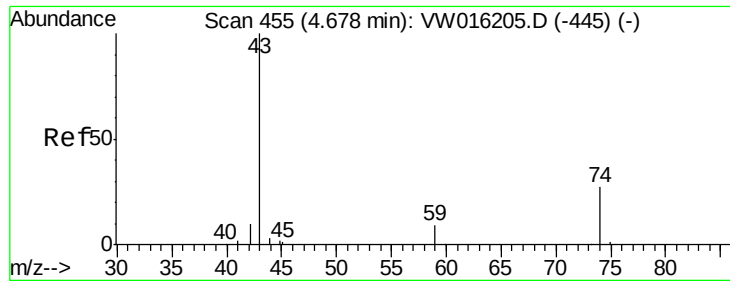
Tot Ion: 43 Resp: 52393
Ion Ratio Lower Upper
43 100
58 32.6 0.0 59.4



#14
Carbon disulfide
Concen: 25.840 ug/L
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW016229.D
Acq: 18 Aug 2020 09:25

Tgt Ion: 76 Resp: 416097
Ion Ratio Lower Upper
76 100
78 9.5 7.0 10.4

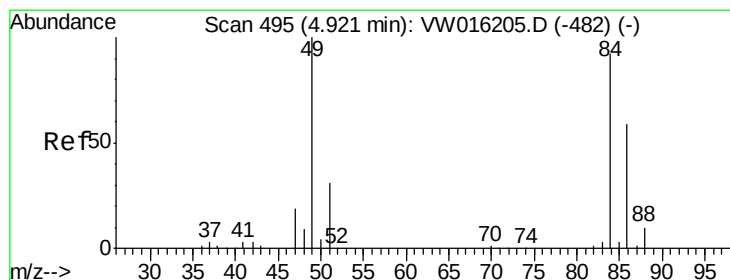
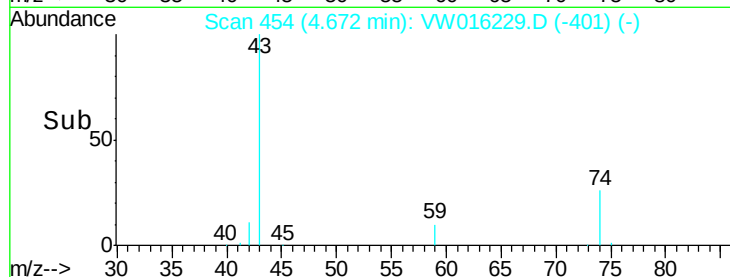
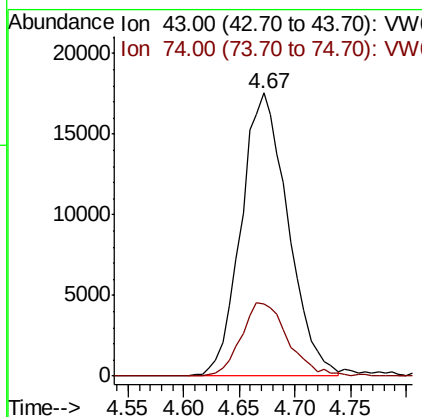
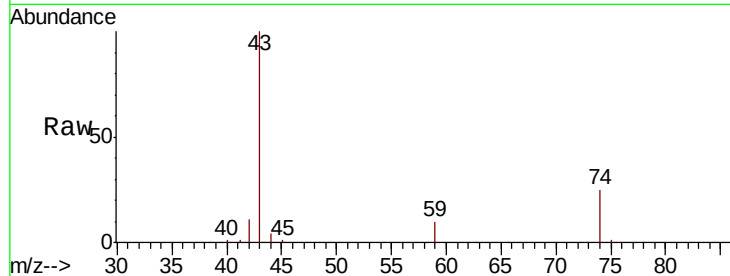




#15
Methvl Acetate
Concen: 22.181 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW016229.D
Acq: 18 Aug 2020 09:25

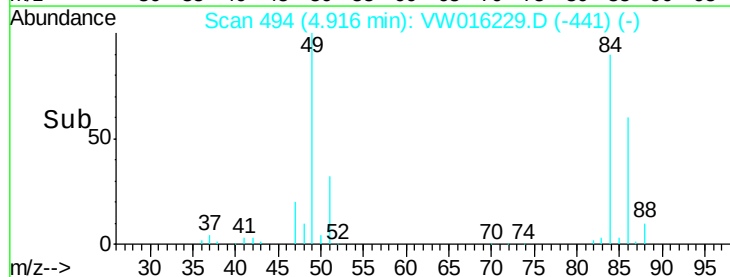
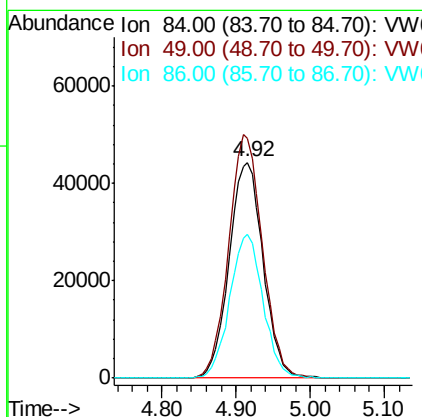
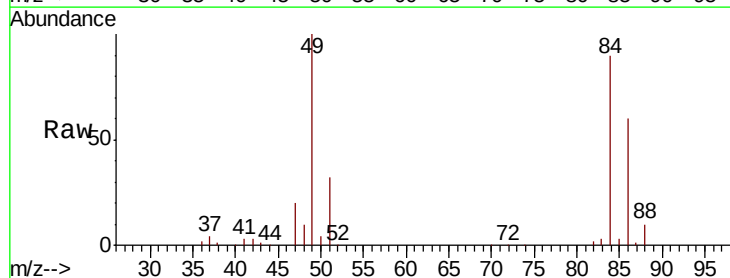
Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

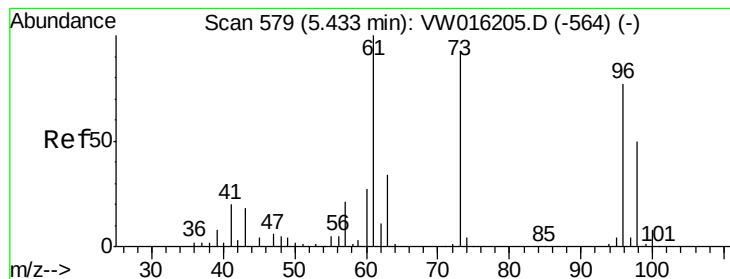
Tot Ion: 43 Resp: 51446
Ion Ratio Lower Upper
43 100
74 25.1 18.9 28.3



#16
Methylene chloride
Concen: 22.470 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW016229.D
Acq: 18 Aug 2020 09:25

Tgt Ion: 84 Resp: 141812
Ion Ratio Lower Upper
84 100
49 111.2 80.4 149.4
86 66.6 43.8 81.3



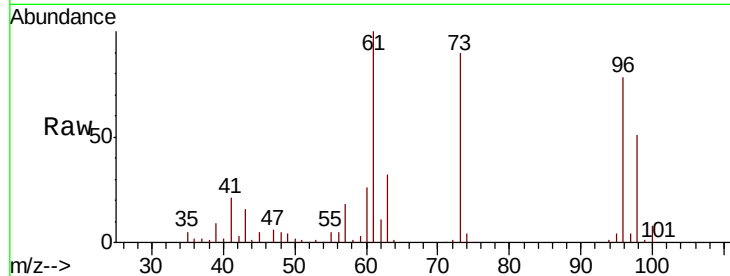


#17

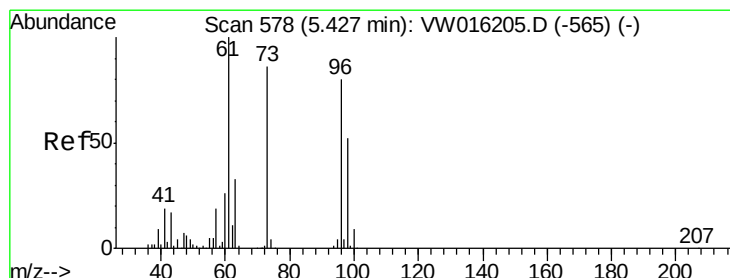
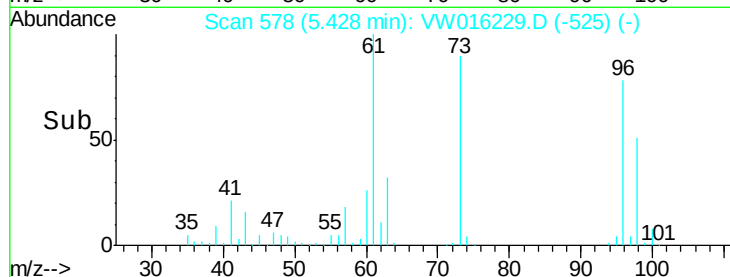
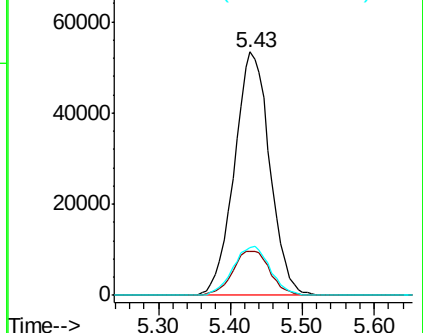
Methyl tert-butyl Ether
 Concen: 25.039 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: VW016229.D
 Acq: 18 Aug 2020 09:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

Tot Ion: 73 Resp: 182024
 Ion Ratio Lower Upper
 73 100
 43 19.2 16.6 24.8
 57 21.0 17.1 25.7



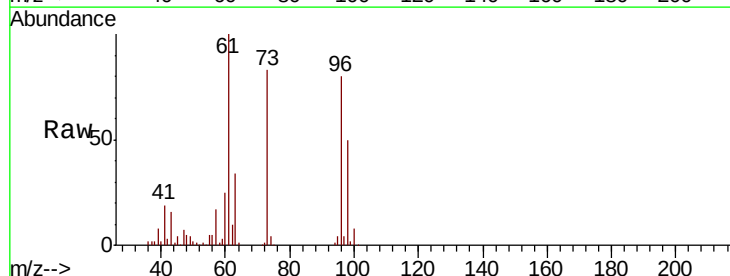
Abundance Ion 73.00 (72.70 to 73.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 57.00 (56.70 to 57.70): VW



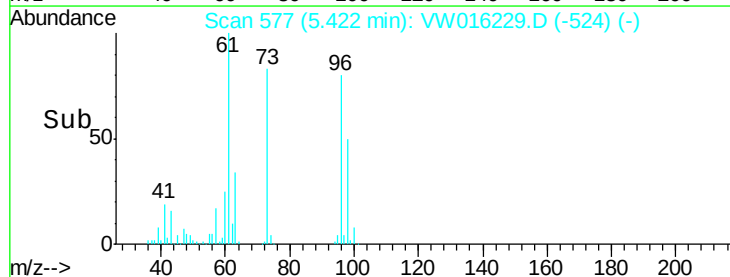
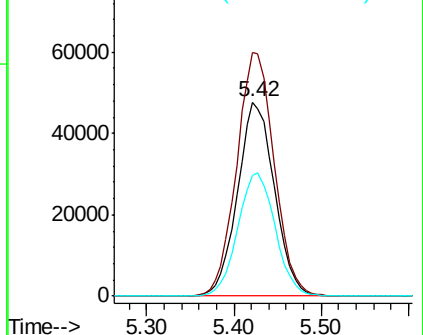
#18

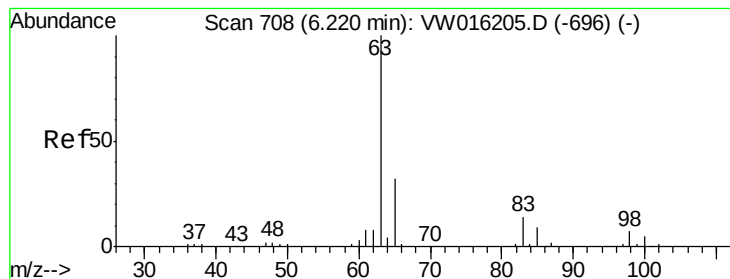
trans-1,2-Dichloroethene
 Concen: 25.949 ug/L
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW016229.D
 Acq: 18 Aug 2020 09:25

Tgt Ion: 96 Resp: 140027
 Ion Ratio Lower Upper
 96 100
 61 125.4 101.6 188.8
 98 62.3 47.7 88.7



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: 24.149 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW016229.D

Acq: 18 Aug 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

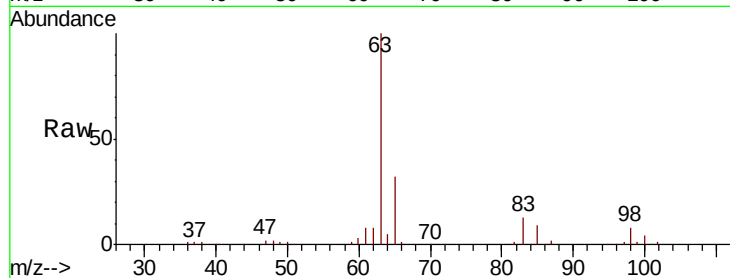
Tot Ion: 63 Resp: 230571

Ion Ratio Lower Upper

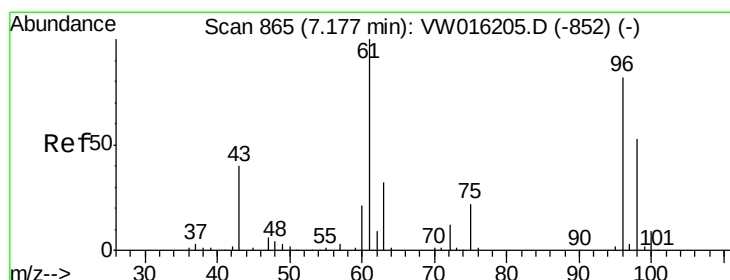
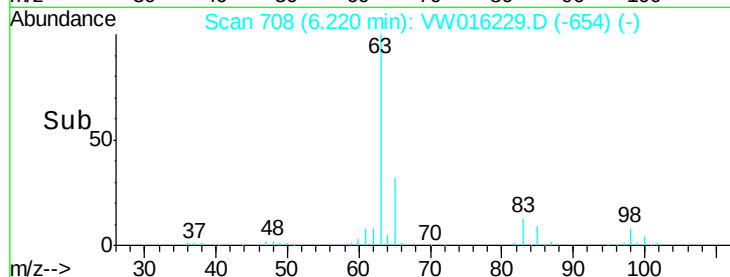
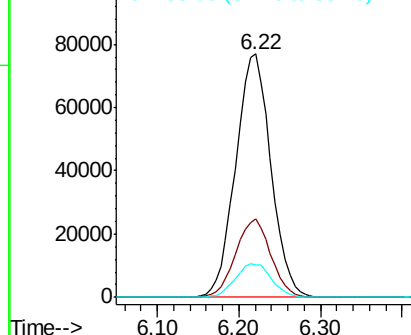
63 100

65 32.4 21.6 40.0

83 13.5 9.8 18.2



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: 45.031 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW016229.D

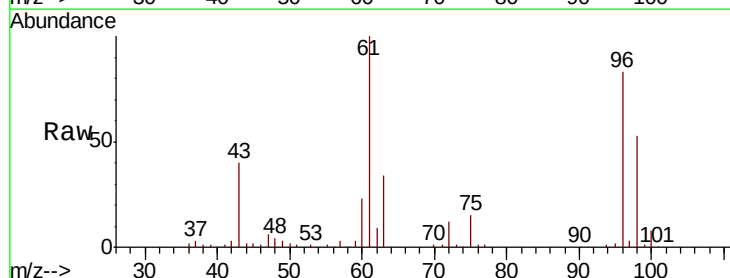
Acq: 18 Aug 2020 09:25

Tgt Ion: 43 Resp: 70400

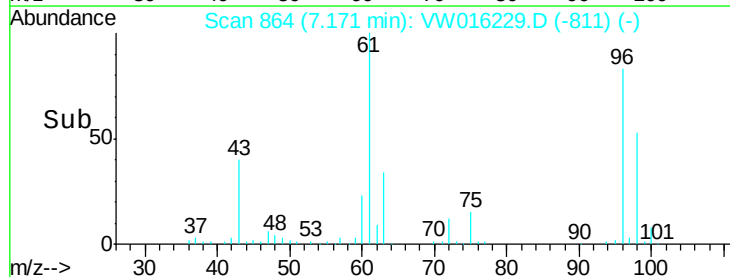
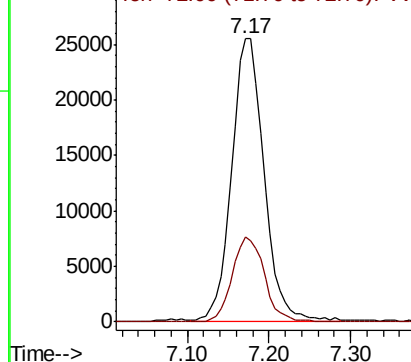
Ion Ratio Lower Upper

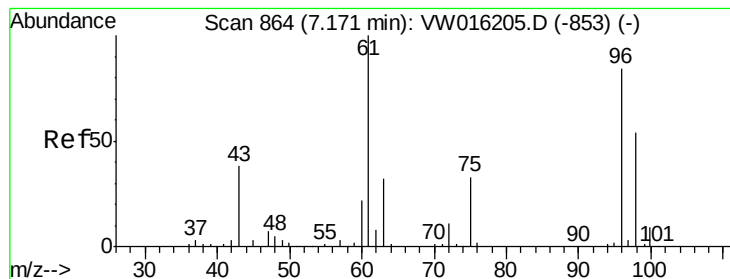
43 100

72 29.4 13.9 41.7



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: 25.111 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW016229.D

Acq: 18 Aug 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

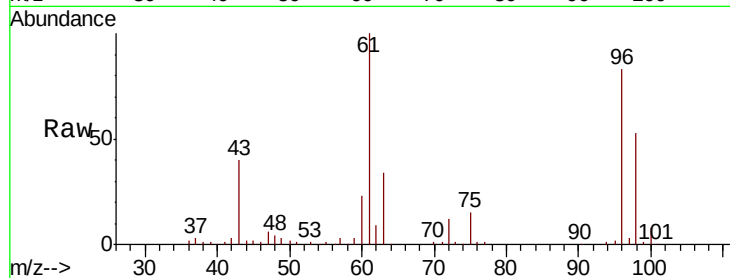
Tot Ion: 96 Resp: 142948

Ion Ratio Lower Upper

96 100

61 120.1 87.0 161.6

98 63.3 44.0 81.6

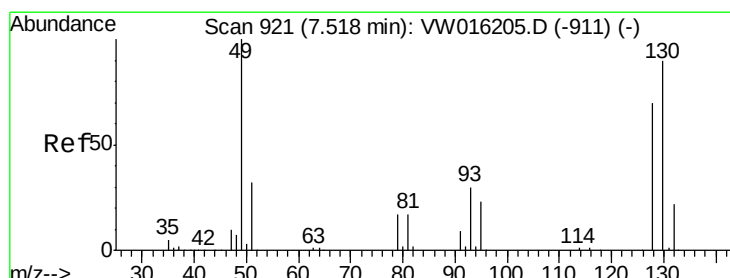
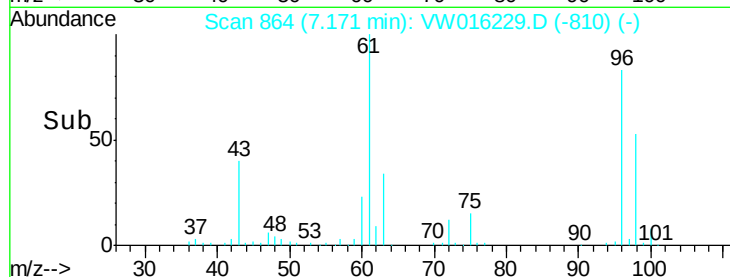
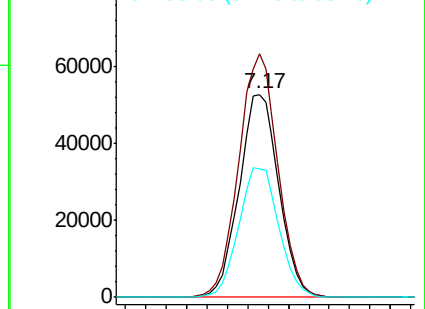


Abundance

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: 25.956 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.00 min

Lab File: VW016229.D

Acq: 18 Aug 2020 09:25

Tgt Ion: 128 Resp: 67814

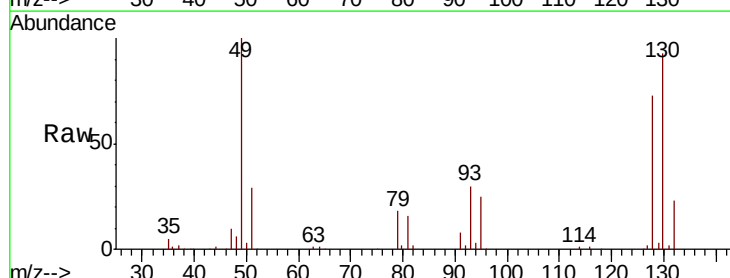
Ion Ratio Lower Upper

128 100

49 137.2 111.8 207.6

130 127.9 90.6 168.3

51 39.6 42.6 63.8#



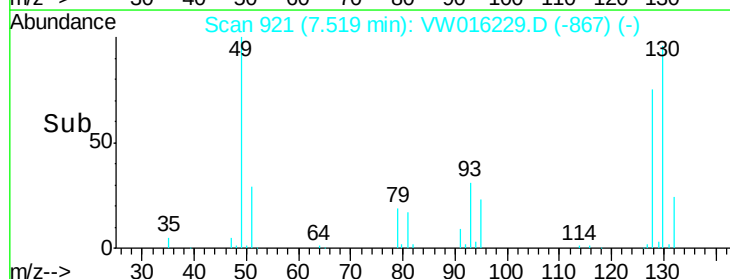
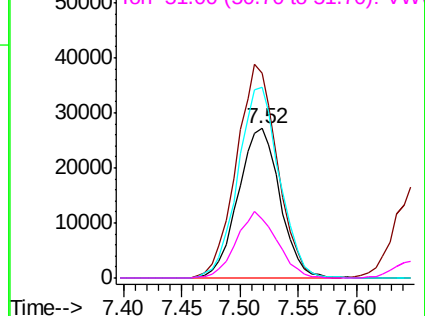
Abundance

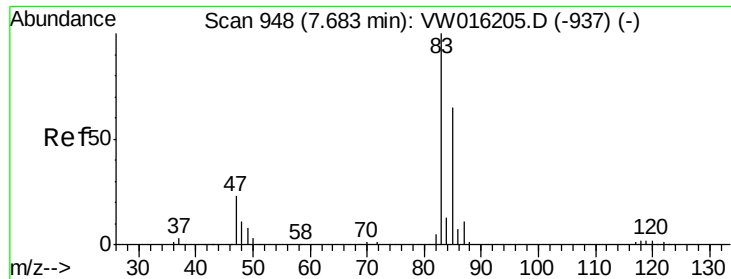
Ion 128.00 (127.70 to 128.70): V

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

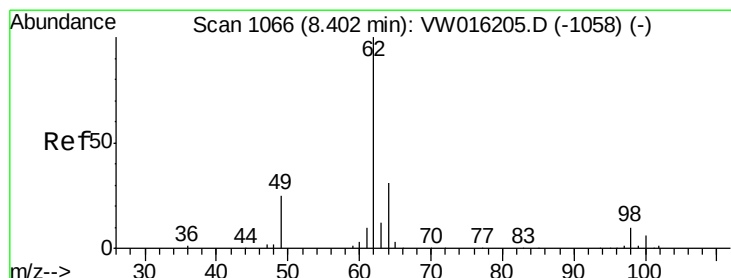
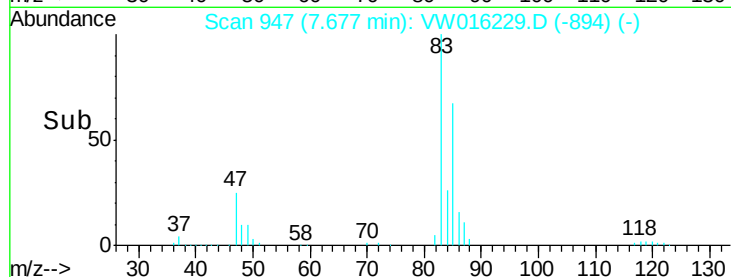
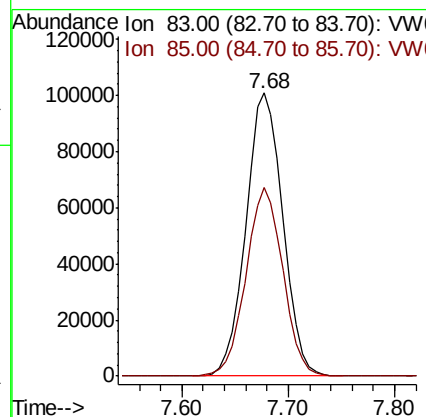
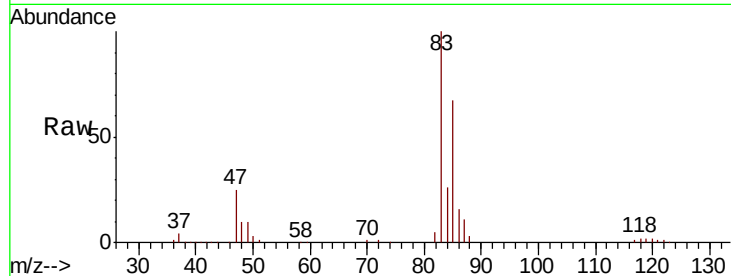




#25
Chloroform
Concen: 24.153 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW016229.D
Acq: 18 Aug 2020 09:25

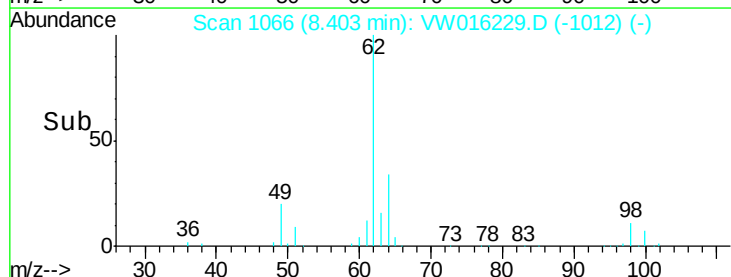
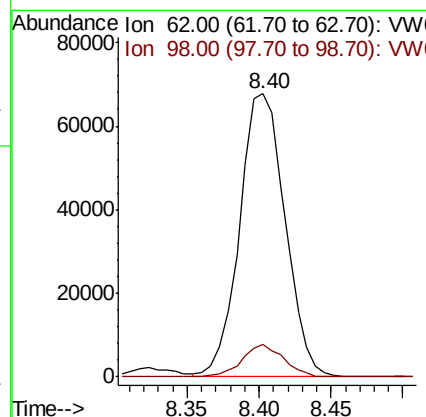
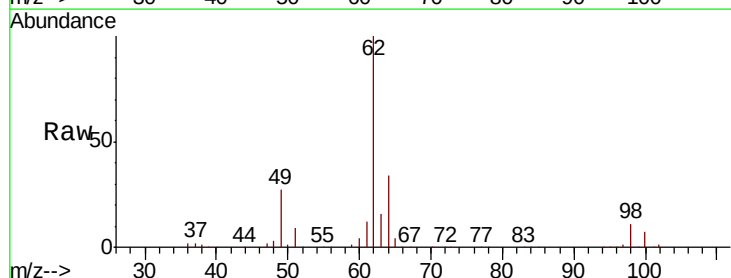
Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

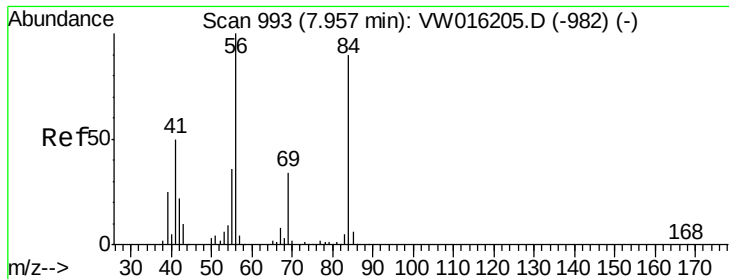
Tot Ion: 83 Resp: 245336
Ion Ratio Lower Upper
83 100
85 66.7 46.0 85.4



#27
1,2-Dichloroethane
Concen: 21.967 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016229.D
Acq: 18 Aug 2020 09:25

Tgt Ion: 62 Resp: 148634
Ion Ratio Lower Upper
62 100
98 11.3 7.7 11.5

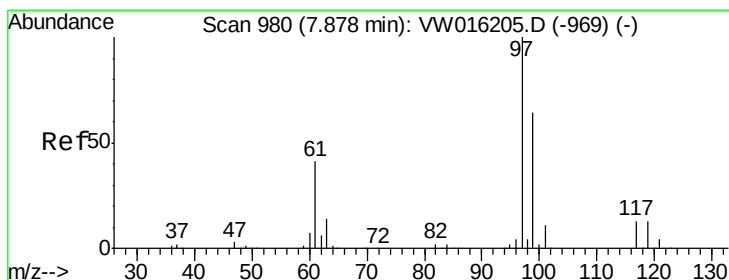
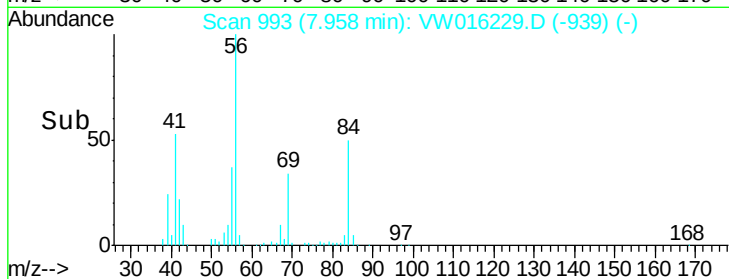
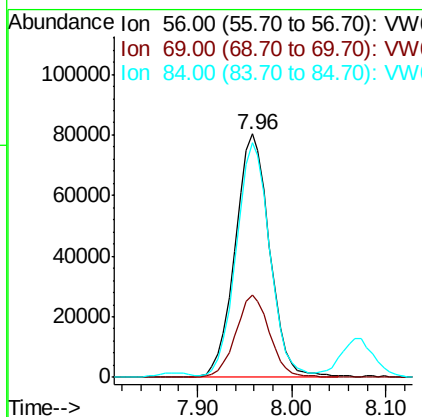
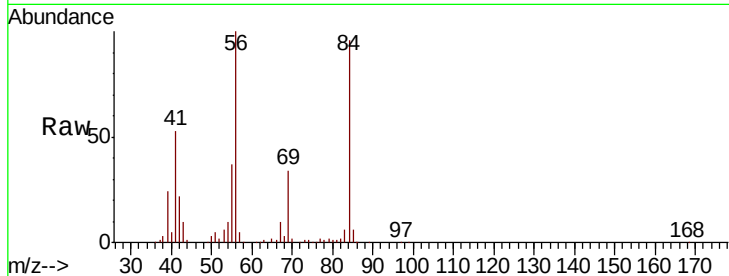




#30
Cyclohexane
Concen: 25.444 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW016229.D
Acq: 18 Aug 2020 09:25

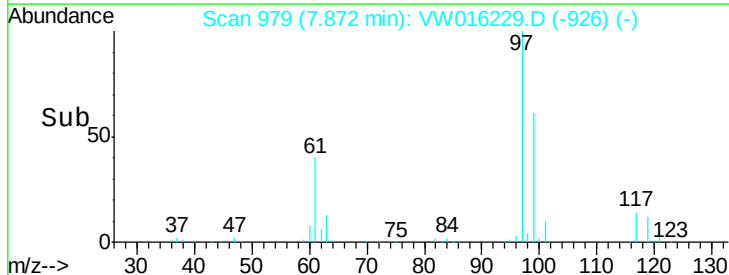
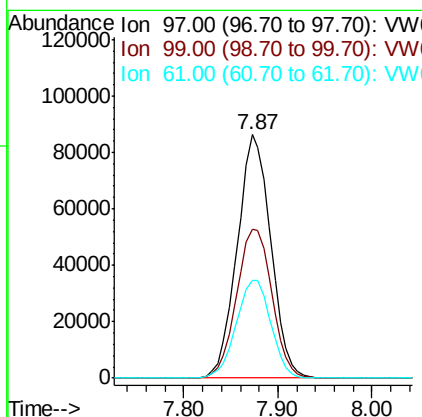
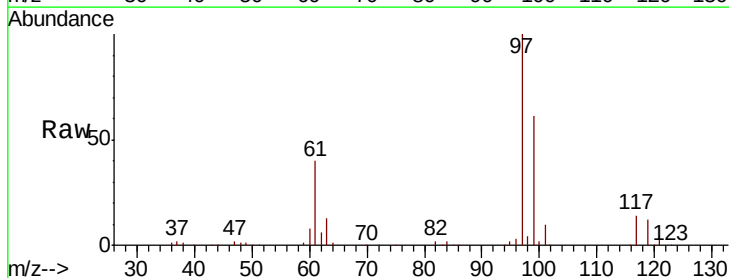
Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

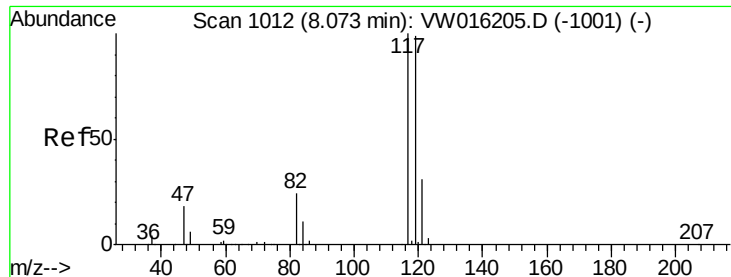
Tot Ion: 56 Resp: 203936
Ion Ratio Lower Upper
56 100
69 33.2 25.4 38.0
84 94.5 73.0 109.6



#31
1,1,1-Trichloroethane
Concen: 25.292 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW016229.D
Acq: 18 Aug 2020 09:25

Tgt Ion: 97 Resp: 214081
Ion Ratio Lower Upper
97 100
99 64.4 51.6 77.4
61 41.5 34.5 51.7





#32

Carbon tetrachloride

Concen: 25.192 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW016229.D

Acq: 18 Aug 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

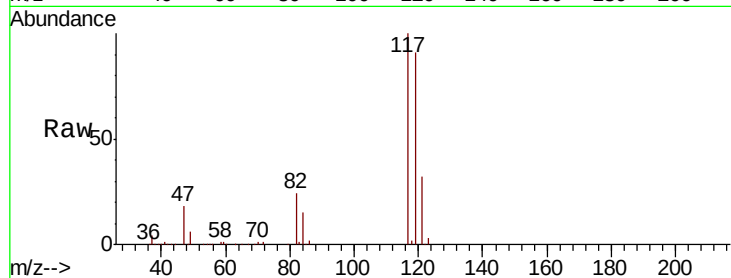
VSTD02517

Tot Ion:117 Resp: 201681

Ion Ratio Lower Upper

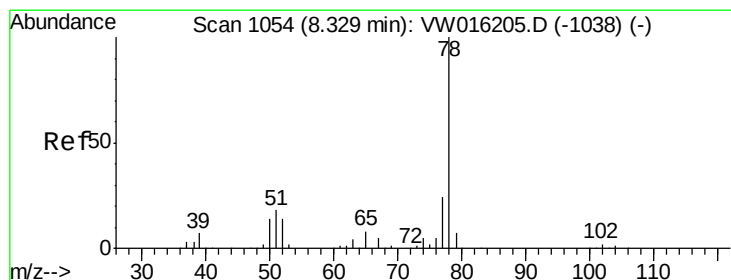
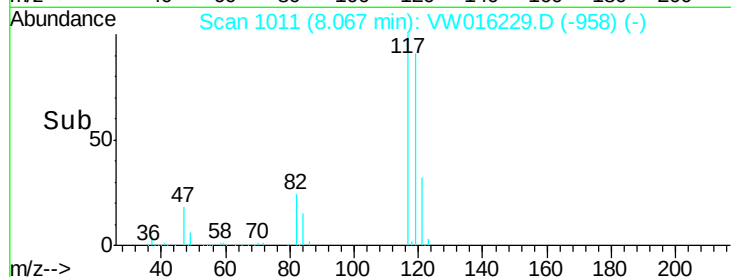
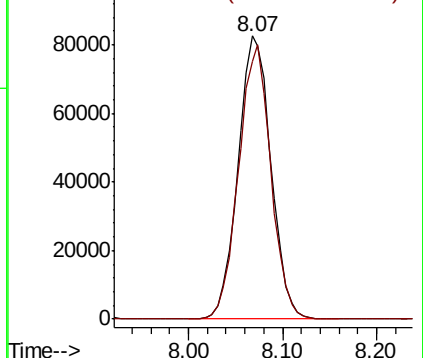
117 100

119 94.8 75.2 112.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.621 ug/L

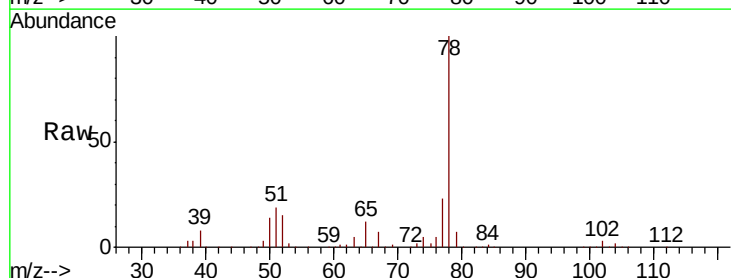
RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

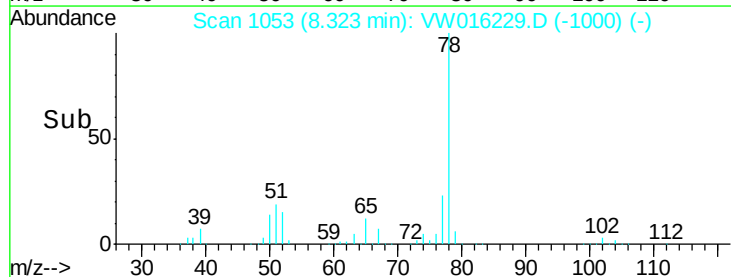
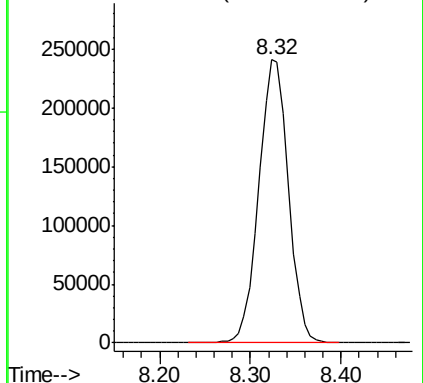
Lab File: VW016229.D

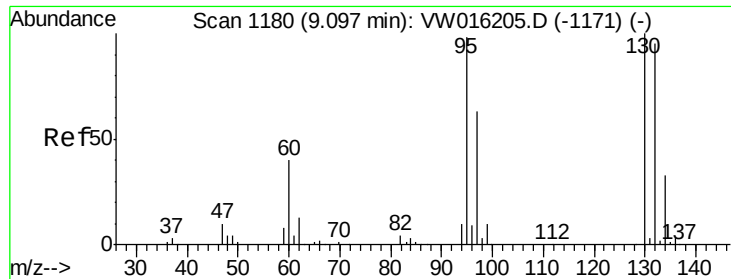
Acq: 18 Aug 2020 09:25

Tgt Ion: 78 Resp: 544248



Abundance Ion 78.00 (77.70 to 78.70): VW

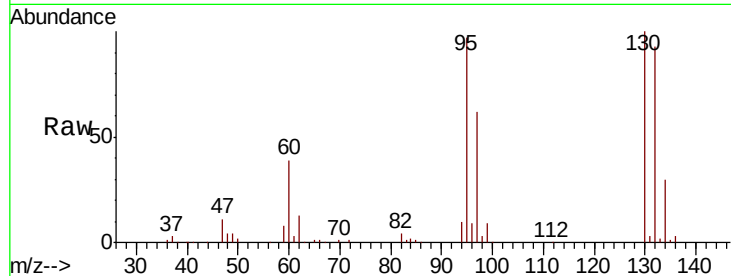




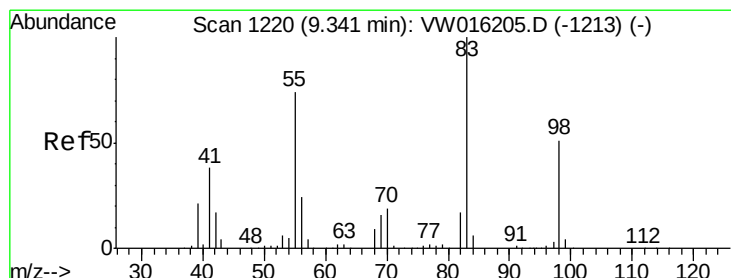
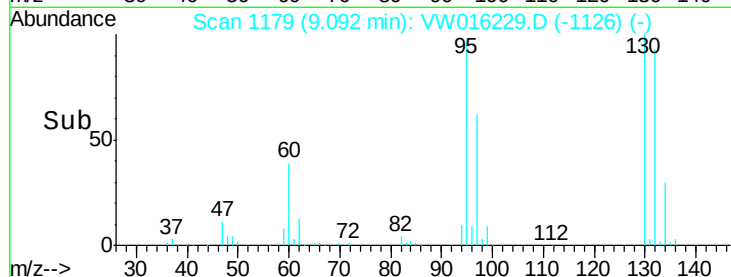
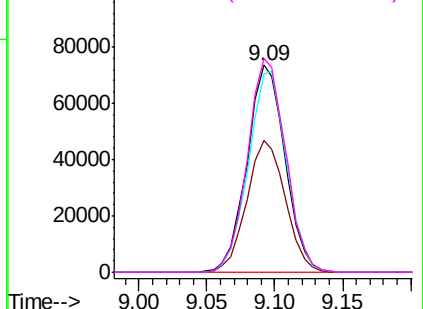
#35
 Trichloroethene
 Concen: 25.173 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VW016229.D
 Acq: 18 Aug 2020 09:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

Tot Ion: 95 Resp: 143784
 Ion Ratio Lower Upper
 95 100
 97 64.6 44.9 83.3
 132 98.1 65.8 122.2
 130 104.0 69.5 129.1

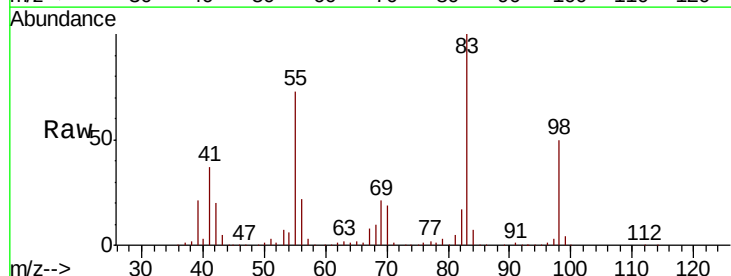


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

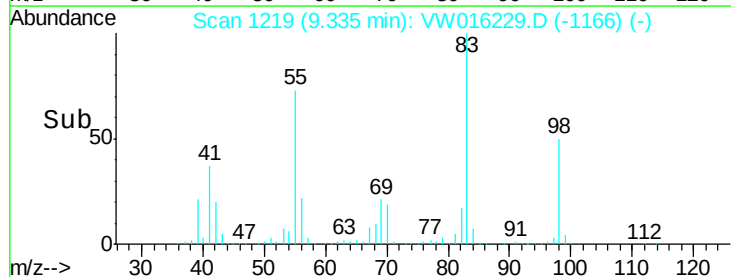
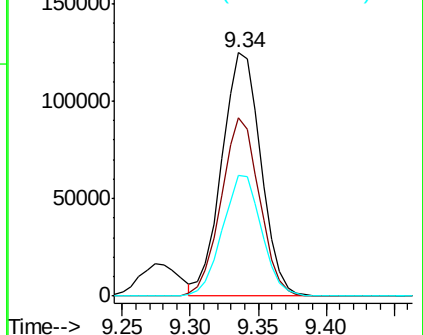


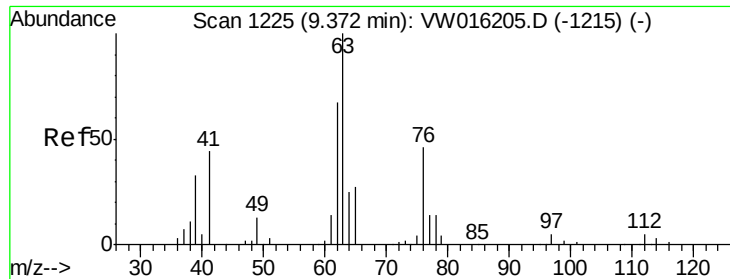
#36
 Methylcyclohexane
 Concen: 26.508 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VW016229.D
 Acq: 18 Aug 2020 09:25

Tgt Ion: 83 Resp: 249427
 Ion Ratio Lower Upper
 83 100
 55 71.8 60.7 91.1
 98 49.8 39.4 59.0



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW

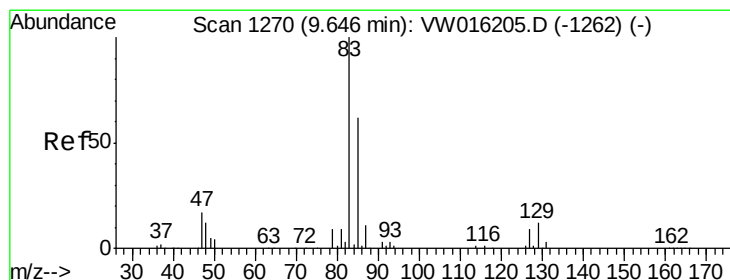
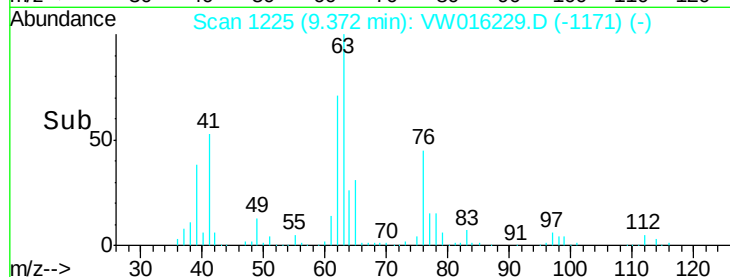
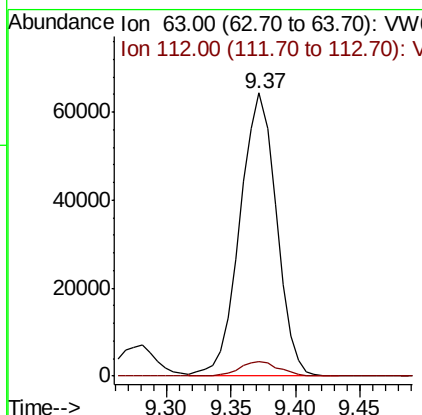
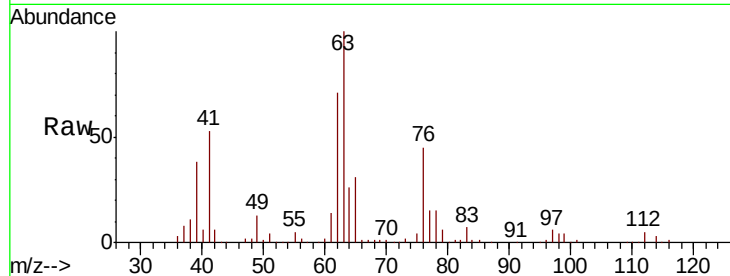




#40
 1,2-Dichloropropane
 Concen: 24.297 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016229.D
 Acq: 18 Aug 2020 09:25

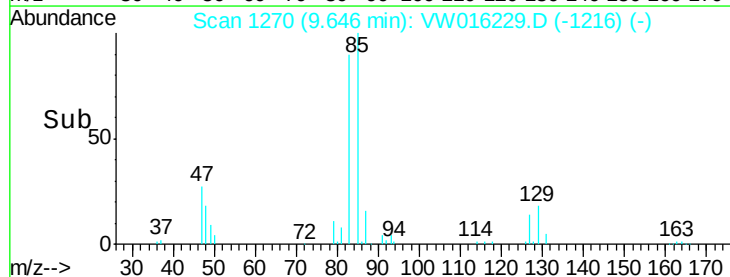
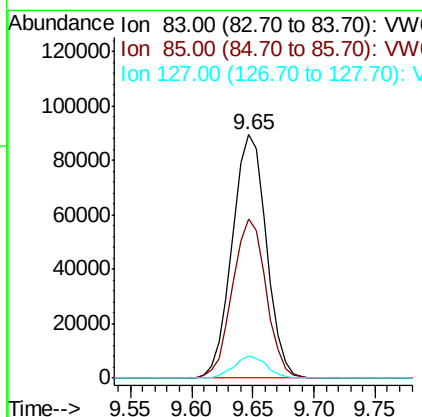
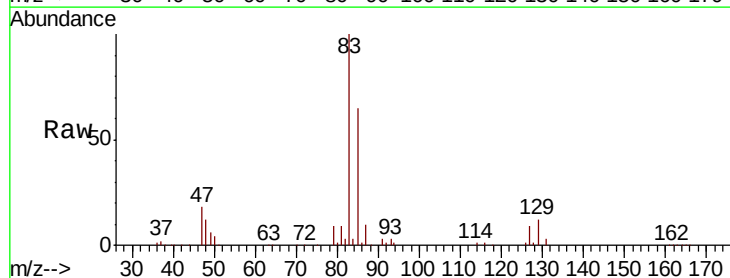
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

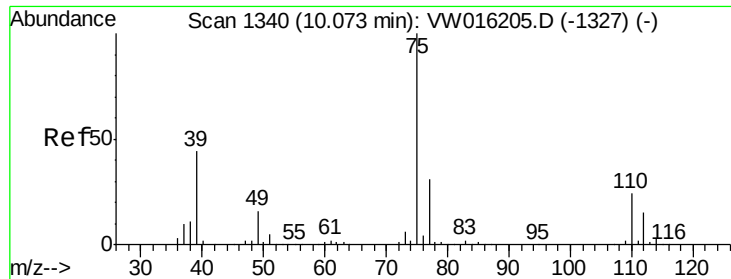
Tot Ion: 63 Resp: 126745
 Ion Ratio Lower Upper
 63 100
 112 5.5 4.0 6.0



#41
 Bromodichloromethane
 Concen: 24.099 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016229.D
 Acq: 18 Aug 2020 09:25

Tgt Ion: 83 Resp: 172694
 Ion Ratio Lower Upper
 83 100
 85 65.4 46.1 85.5
 127 9.1 7.2 10.8

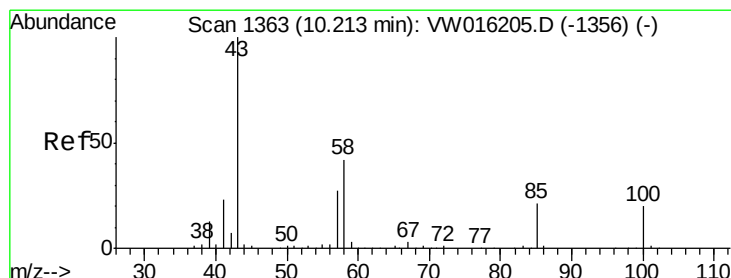
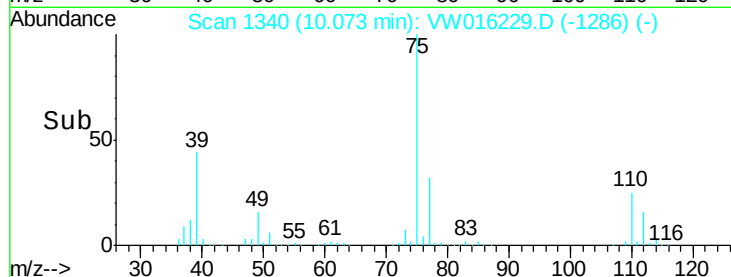
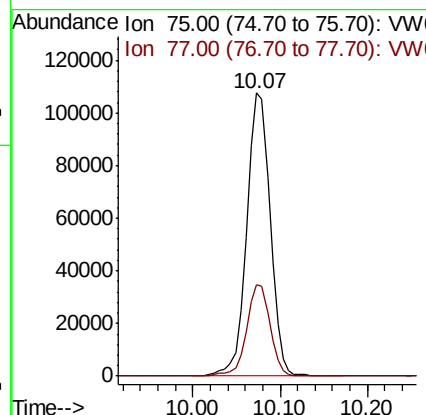
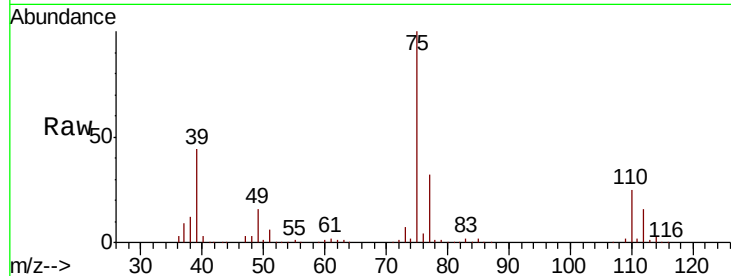




#42
 cis-1,3-Dichloropropene
 Concen: 25.251 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW016229.D
 Acq: 18 Aug 2020 09:25

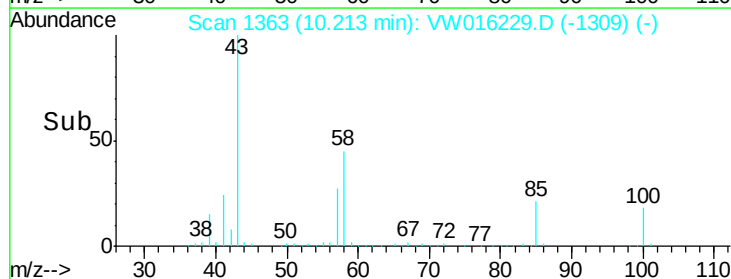
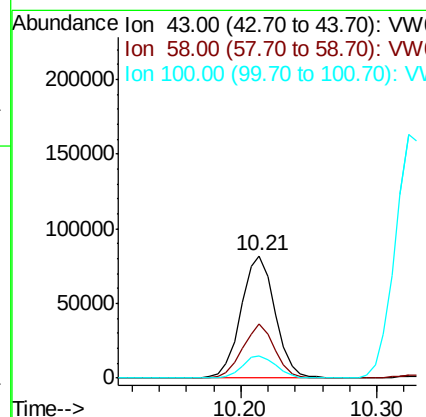
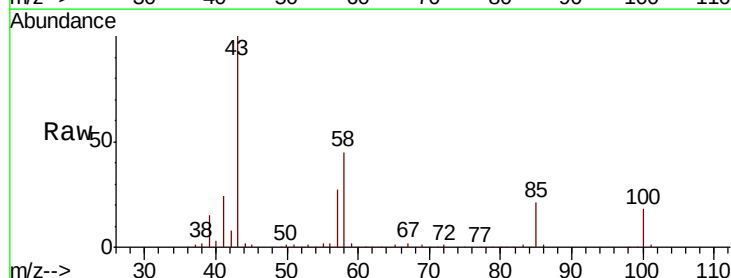
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

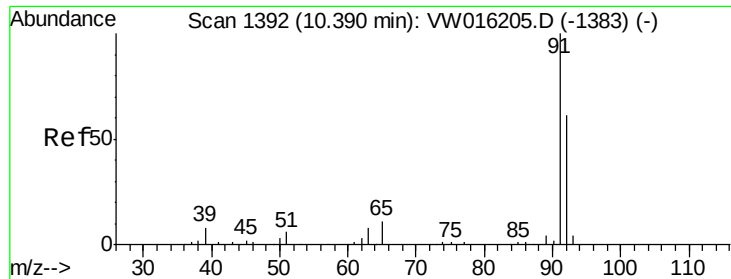
Tot Ion: 75 Resp: 200601
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.9 42.5



#43
 4-Methyl-2-pentanone
 Concen: 45.555 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW016229.D
 Acq: 18 Aug 2020 09:25

Tgt Ion: 43 Resp: 142930
 Ion Ratio Lower Upper
 43 100
 58 42.1 32.1 48.1
 100 18.4 13.8 20.8





#44

Toluene

Concen: 26.482 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016229.D

Acq: 18 Aug 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

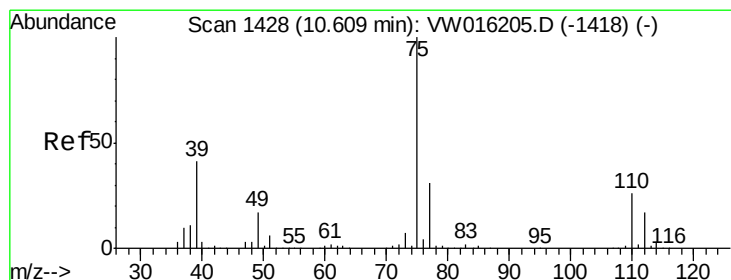
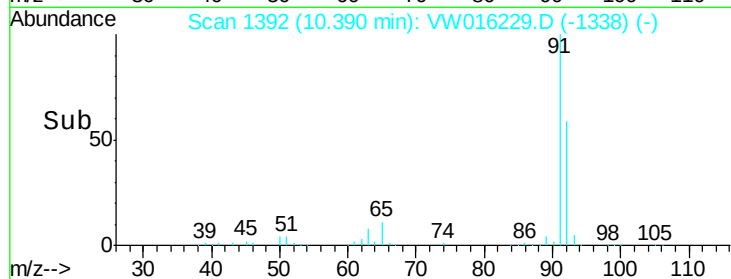
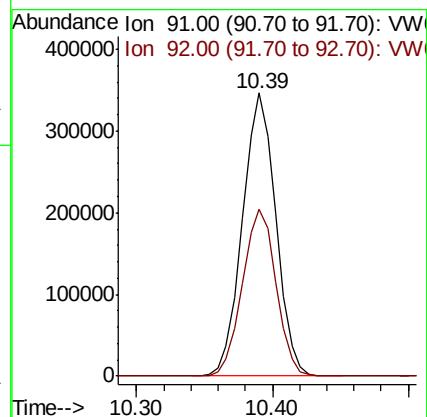
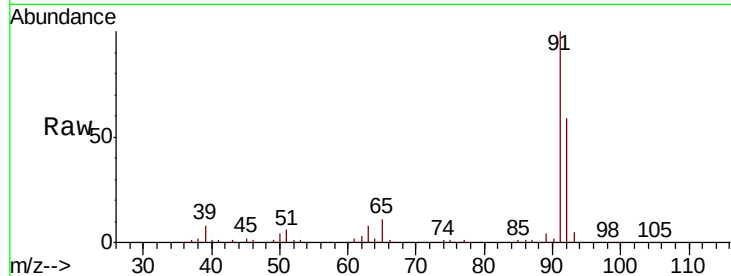
VSTD02517

Tot Ion: 91 Resp: 593826

Ion Ratio Lower Upper

91 100

92 59.2 41.8 77.6



#45

trans-1,3-Dichloropropene

Concen: 24.909 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016229.D

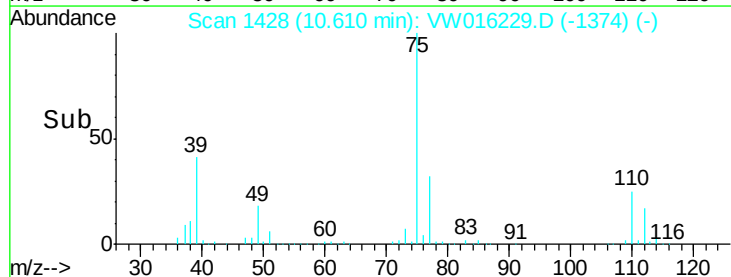
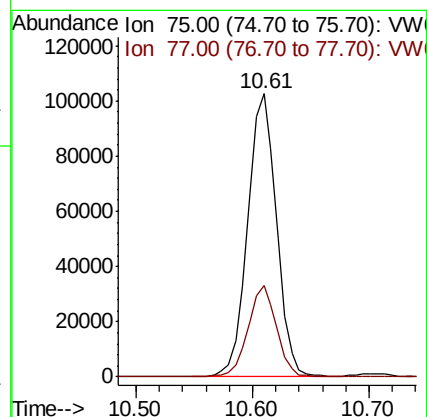
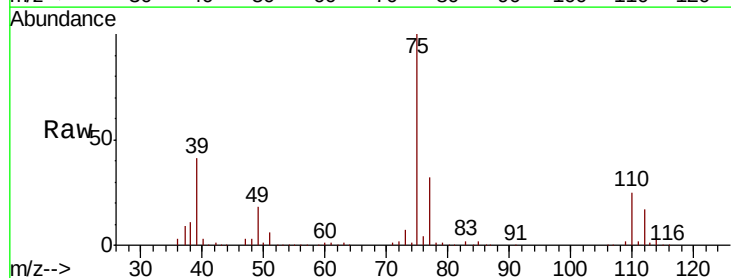
Acq: 18 Aug 2020 09:25

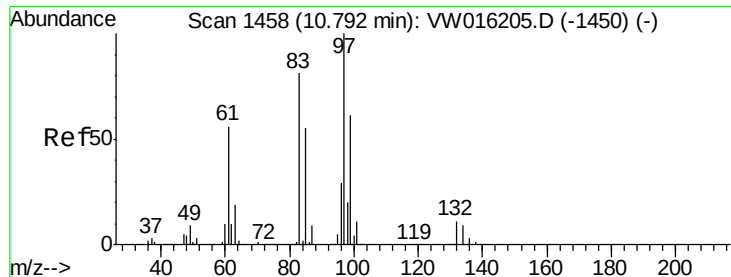
Tgt Ion: 75 Resp: 177760

Ion Ratio Lower Upper

75 100

77 32.3 22.7 42.1

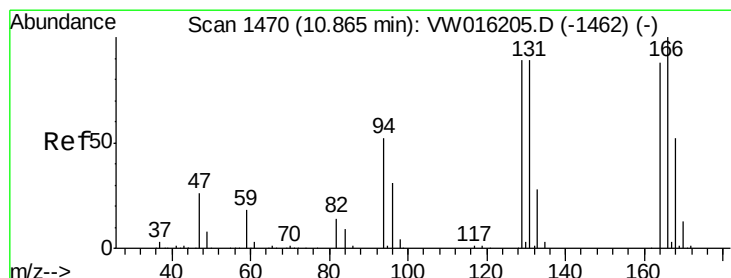
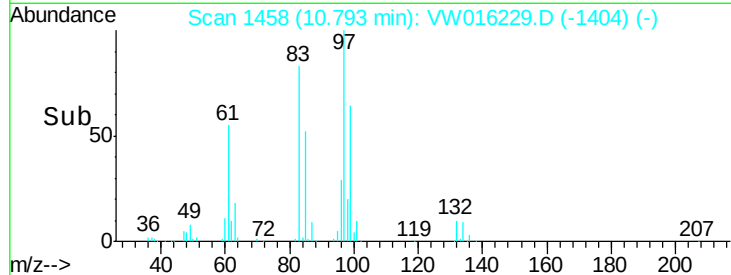
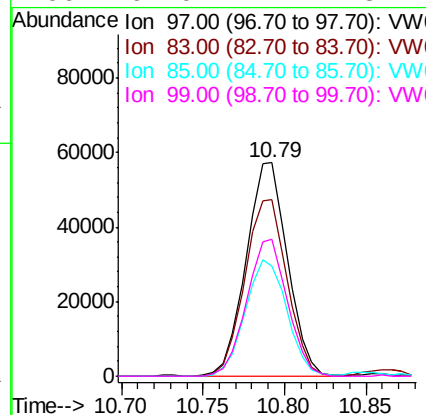
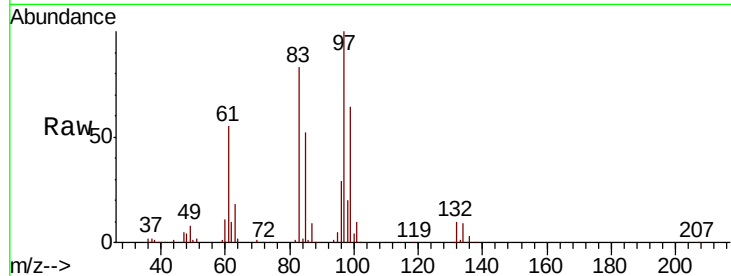




#46
 1,1,2-Trichloroethane
 Concen: 24.737 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW016229.D
 Acq: 18 Aug 2020 09:25

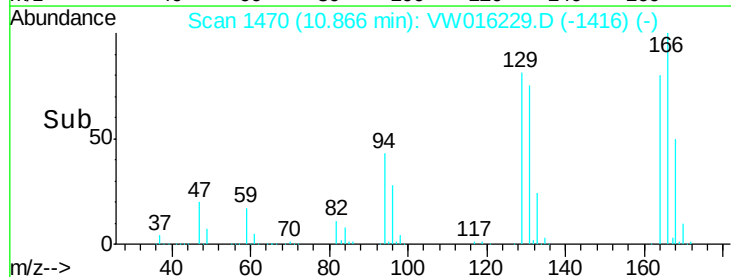
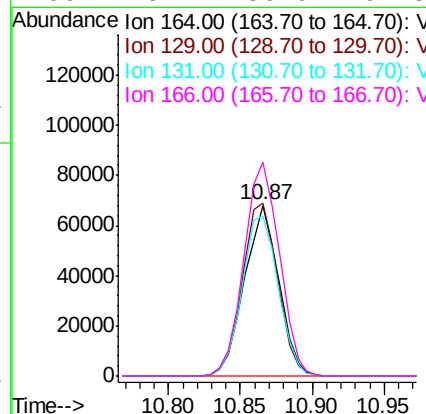
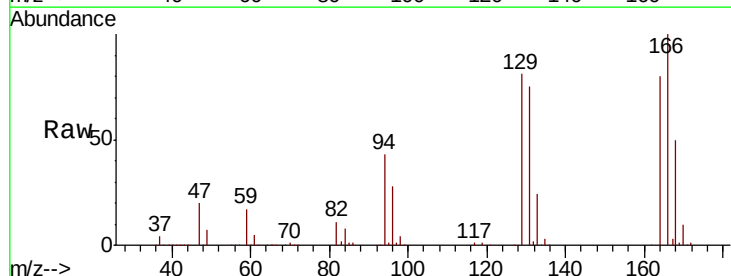
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

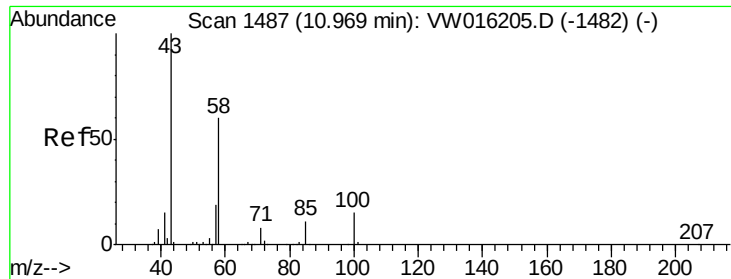
Tot Ion:	97	Resp:	101574
Ion	Ratio	Lower	Upper
97	100		
83	82.8	57.8	107.4
85	51.7	38.0	70.6
99	64.0	44.4	82.4



#47
 Tetrachloroethene
 Concen: 26.186 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW016229.D
 Acq: 18 Aug 2020 09:25

Tgt Ion:	164	Resp:	112127
Ion	Ratio	Lower	Upper
164	100		
129	101.2	71.5	132.9
131	93.6	65.4	121.4
166	125.2	86.9	161.5

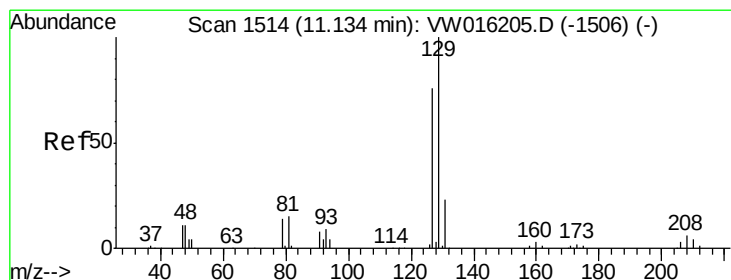
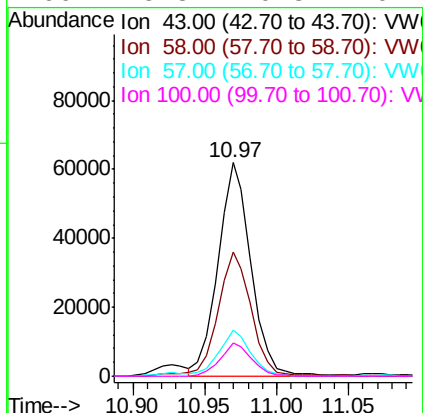
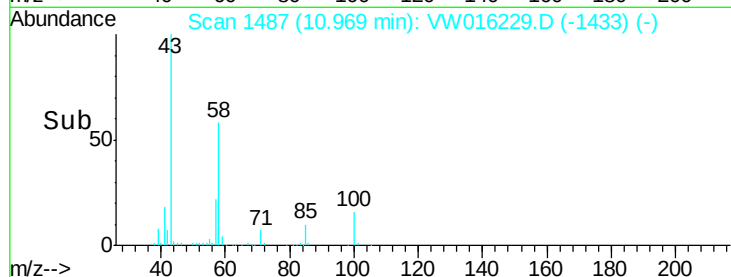
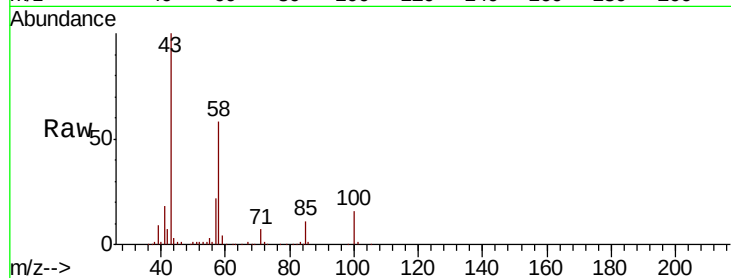




#49
2-Hexanone
Concen: 46.866 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW016229.D
Acq: 18 Aug 2020 09:25

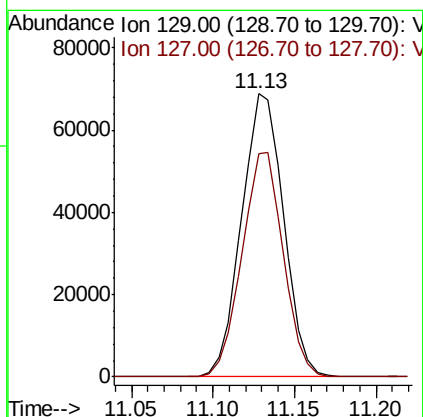
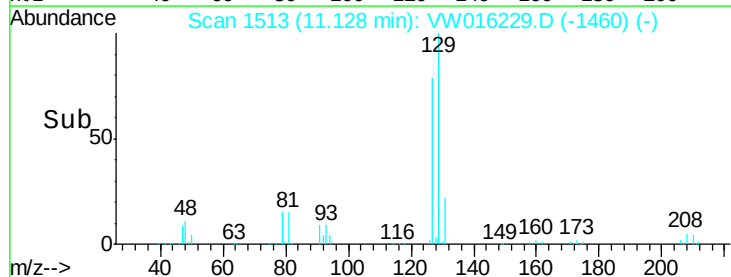
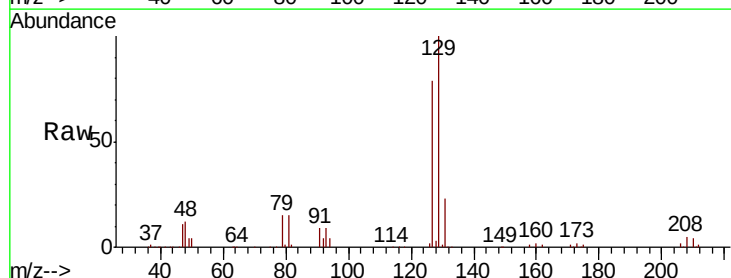
Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

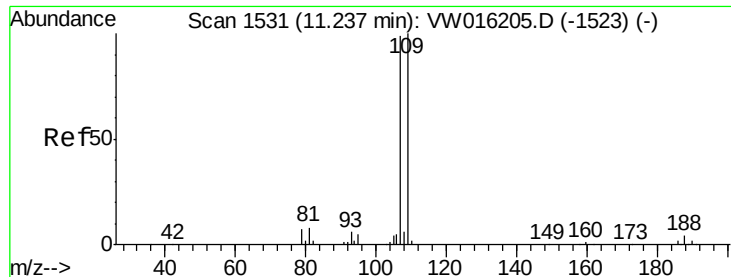
Tot Ion:	43	Resp:	99222
Ion	Ratio	Lower	Upper
43	100		
58	57.7	44.2	66.2
57	20.8	15.8	23.6
100	15.3	10.8	16.2



#50
Dibromochloromethane
Concen: 25.551 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW016229.D
Acq: 18 Aug 2020 09:25

Tgt Ion:	129	Resp:	123569
Ion	Ratio	Lower	Upper
129	100		
127	79.0	55.4	102.8

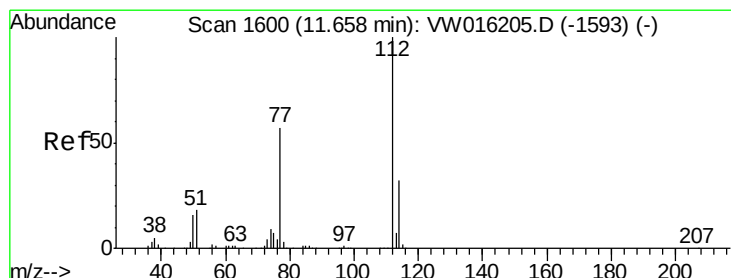
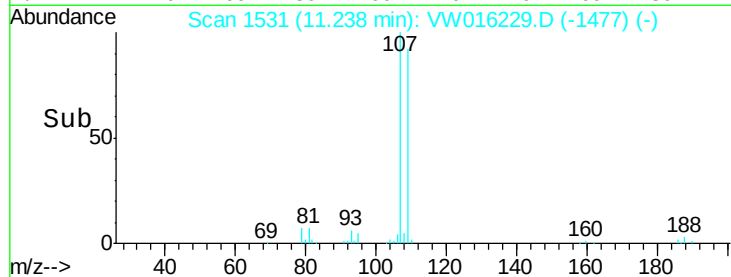
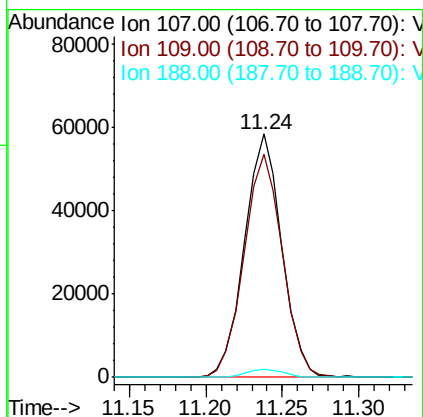
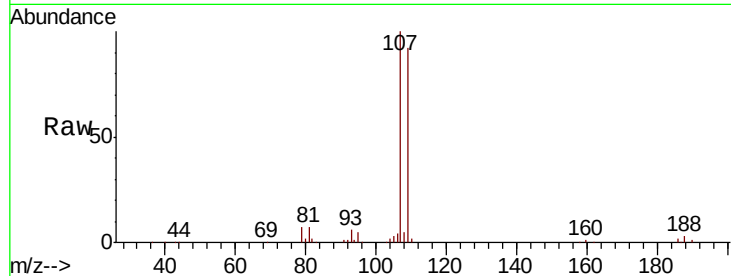




#51
 1,2-Dibromoethane
 Concen: 25.414 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016229.D
 Acq: 18 Aug 2020 09:25

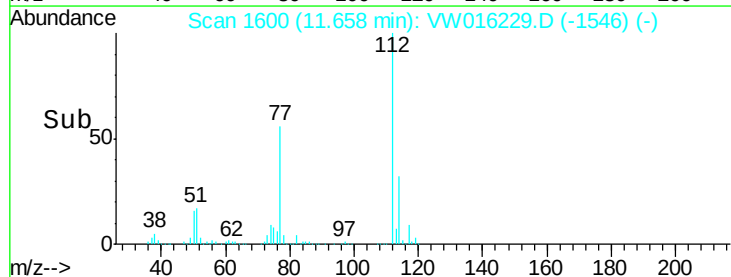
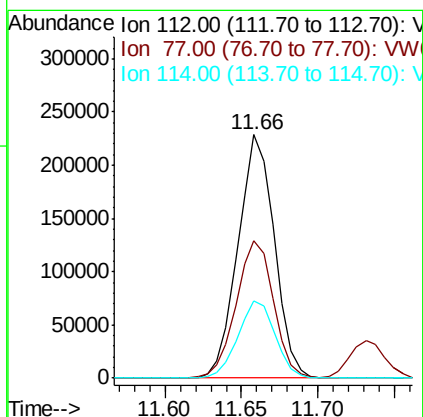
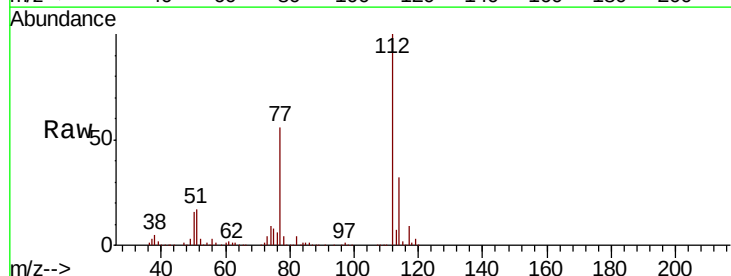
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

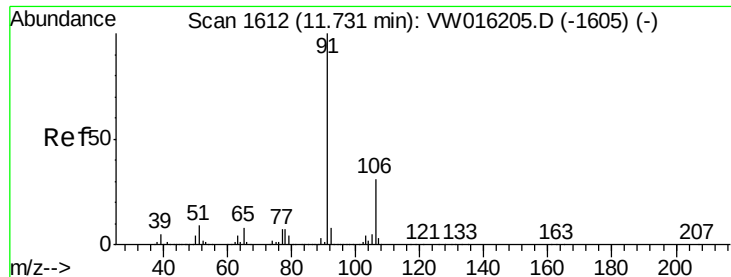
Tot Ion	Ratio	Lower	Upper
107	100		
109	91.6	66.0	122.6
188	3.2	2.8	4.2



#52
 Chlorobenzene
 Concen: 25.468 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW016229.D
 Acq: 18 Aug 2020 09:25

Tgt Ion	Ratio	Lower	Upper
112	100		
77	56.2	49.1	73.7
114	31.7	23.5	43.7





#53

Ethylbenzene

Concen: 25.874 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016229.D

Acq: 18 Aug 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

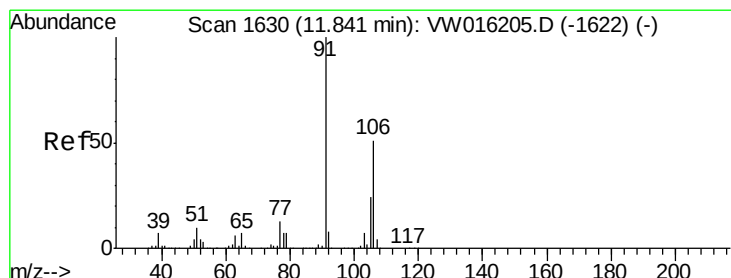
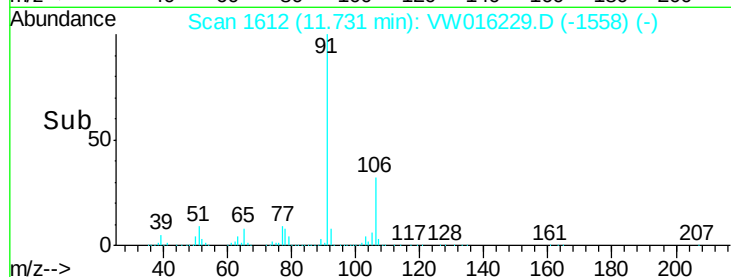
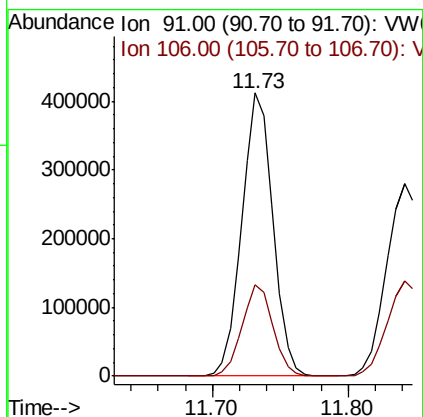
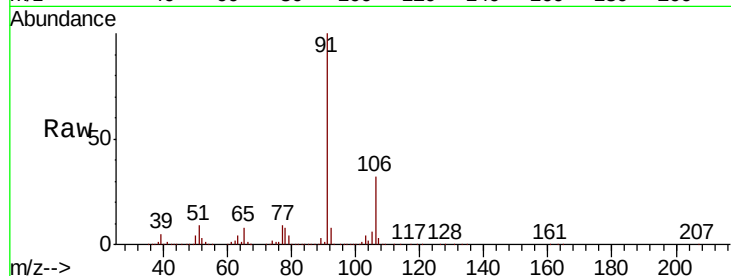
VSTD02517

Tot Ion: 91 Resp: 658274

Ion Ratio Lower Upper

91 100

106 32.2 21.8 40.4



#54

m,p-Xylene

Concen: 26.673 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016229.D

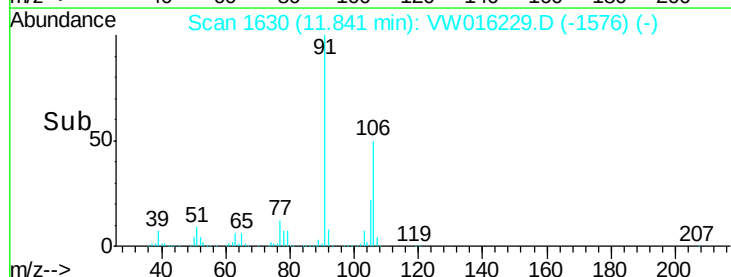
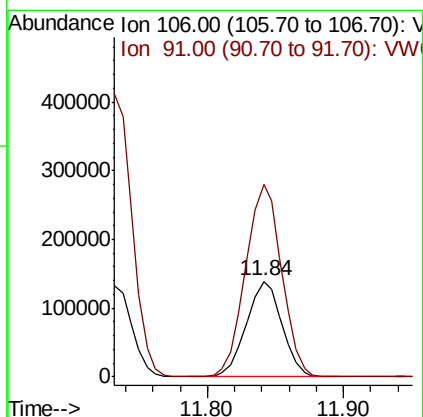
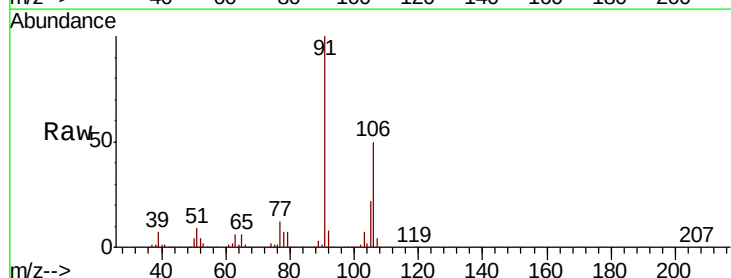
Acq: 18 Aug 2020 09:25

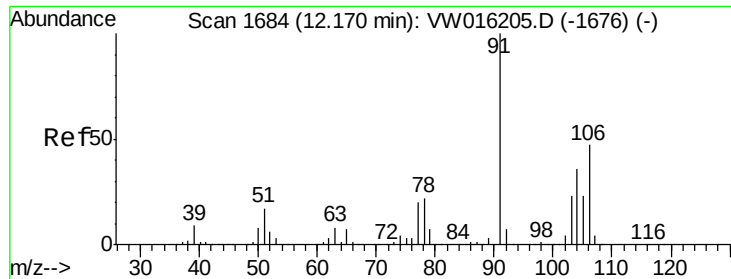
Tgt Ion: 106 Resp: 255266

Ion Ratio Lower Upper

106 100

91 200.9 136.4 253.2





#55

o-xylene

Concen: 26.562 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW016229.D

Acq: 18 Aug 2020 09:25

Instrument :

MSVOA_W

ClientSampled :

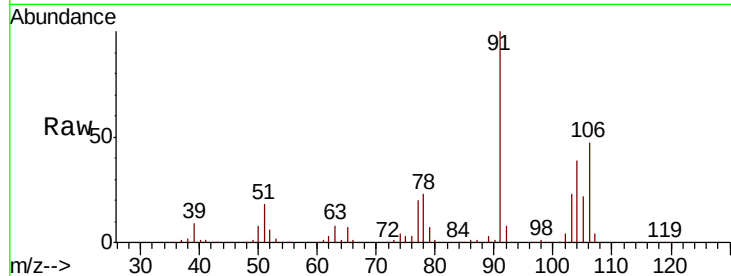
VSTD02517

Tot Ion:106 Resp: 239439

Ion Ratio Lower Upper

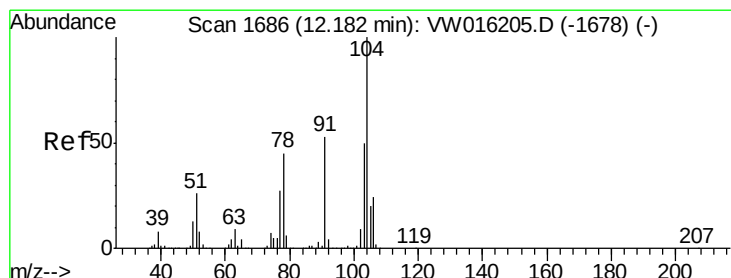
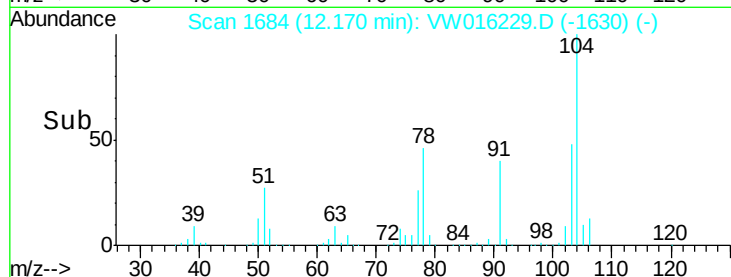
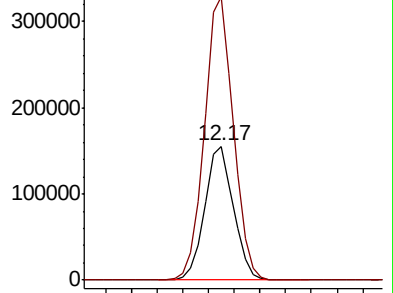
106 100

91 210.9 151.3 281.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.021 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW016229.D

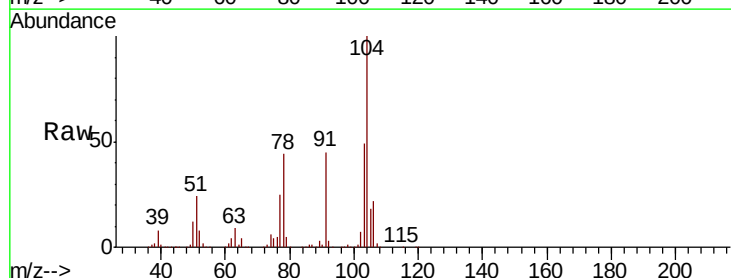
Acq: 18 Aug 2020 09:25

Tgt Ion:104 Resp: 421708

Ion Ratio Lower Upper

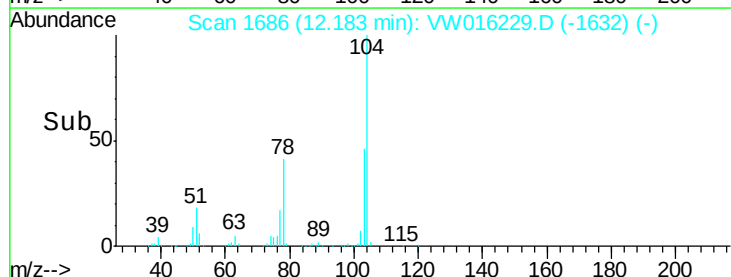
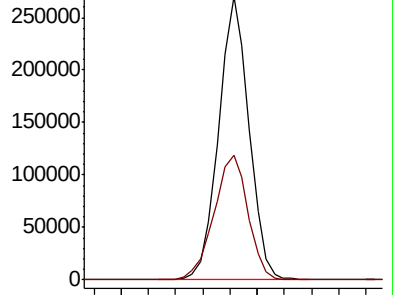
104 100

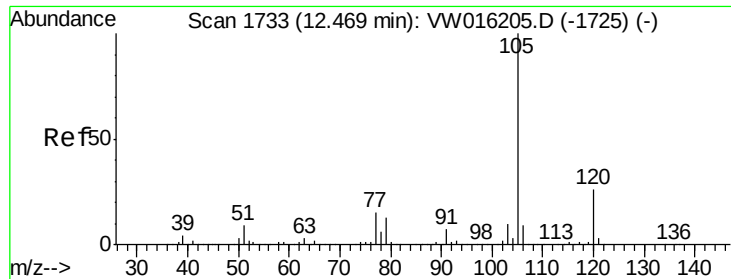
78 44.3 32.0 59.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.925 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW016229.D

Acq: 18 Aug 2020 09:25

Instrument :

MSVOA_W

ClientSampled :

VSTD02517

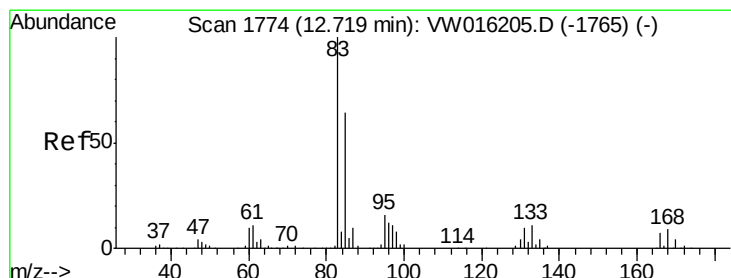
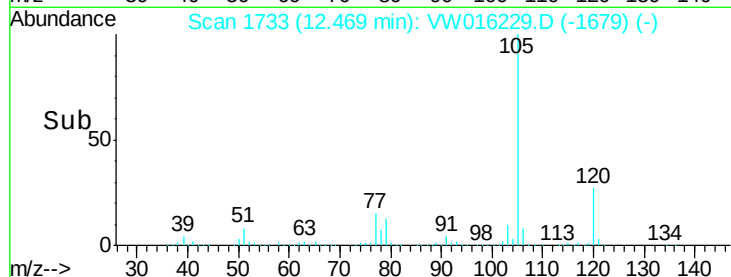
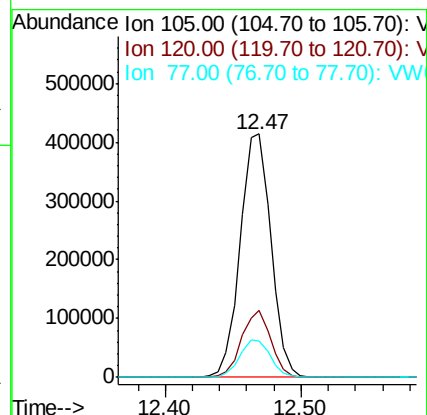
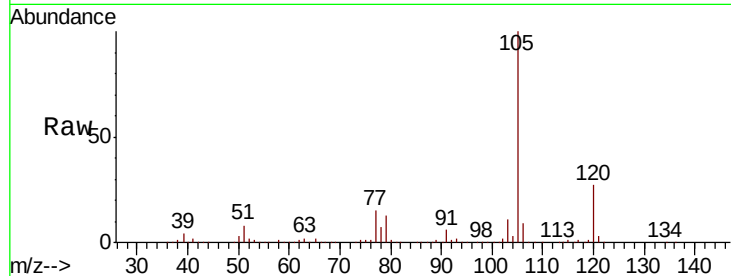
Tot Ion:105 Resp: 654396

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.4

77 15.5 12.6 18.8



#58

1,1,2,2-Tetrachloroethane

Concen: 24.861 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW016229.D

Acq: 18 Aug 2020 09:25

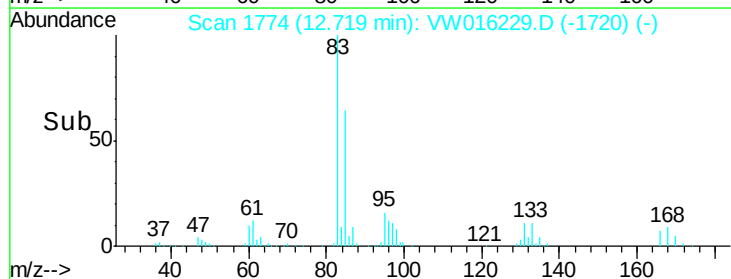
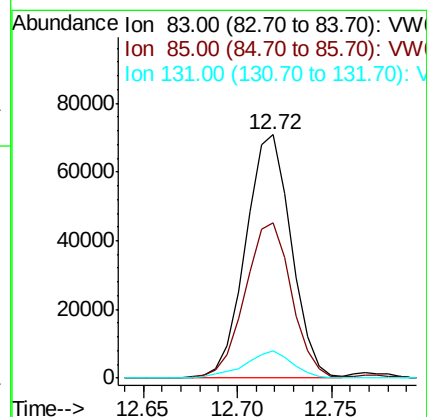
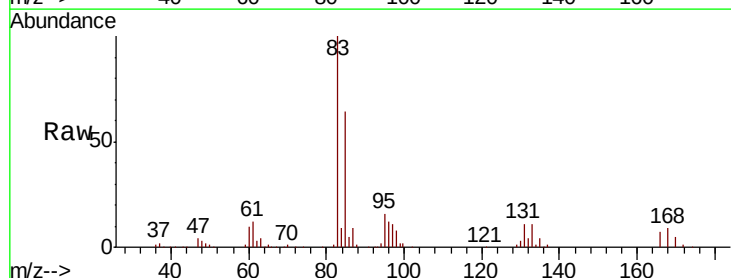
Tgt Ion: 83 Resp: 119111

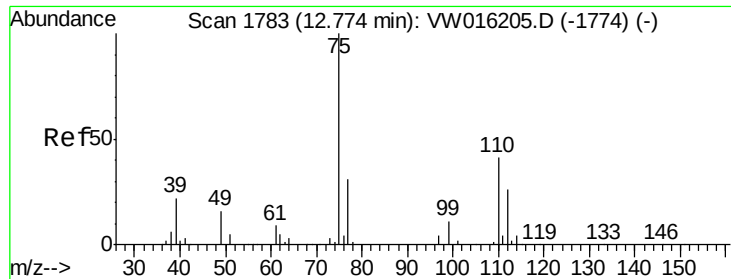
Ion Ratio Lower Upper

83 100

85 63.8 42.4 78.8

131 11.3 7.8 11.8





#59

1,2,3-Trichloropropane

Concen: 23.897 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW016229.D

Acq: 18 Aug 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

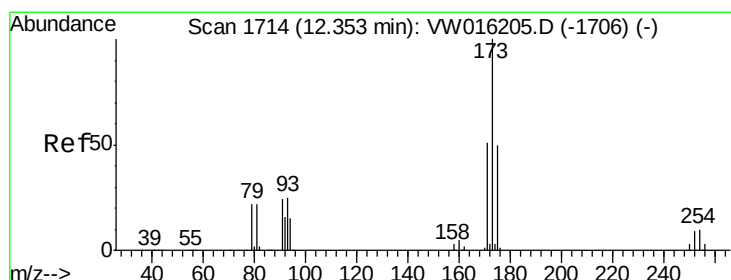
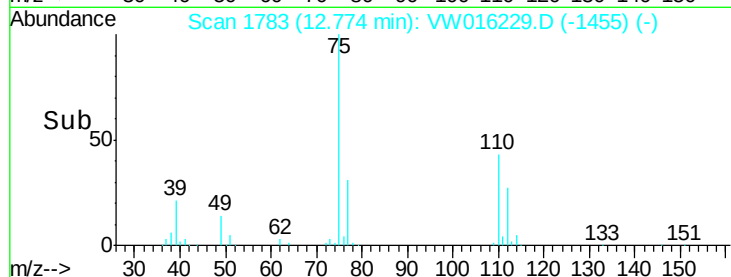
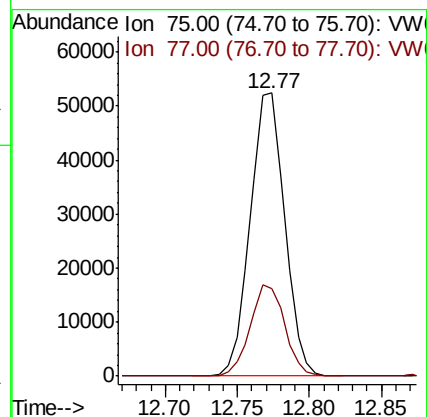
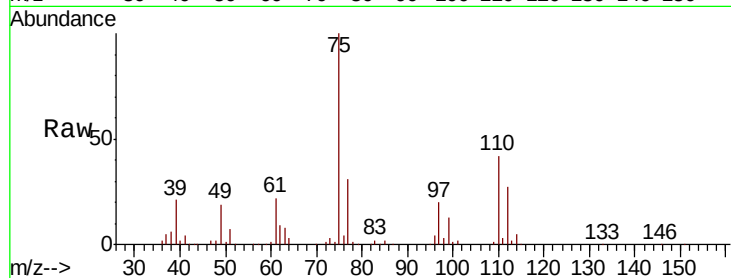
VSTD02517

Tot Ion: 75 Resp: 86739

Ion Ratio Lower Upper

75 100

77 32.1 25.9 38.9



#62

Bromoform

Concen: 23.819 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW016229.D

Acq: 18 Aug 2020 09:25

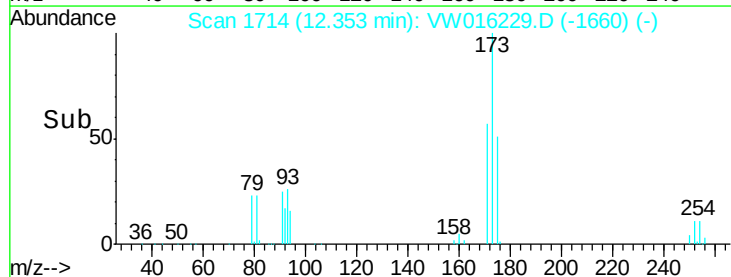
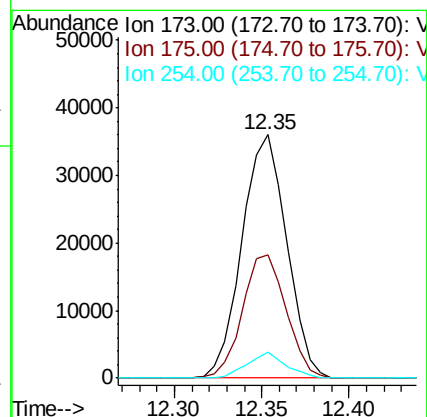
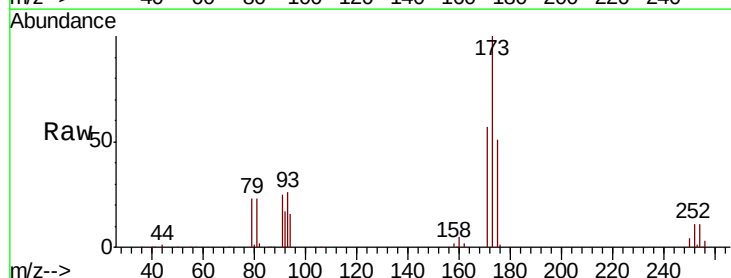
Tgt Ion:173 Resp: 64177

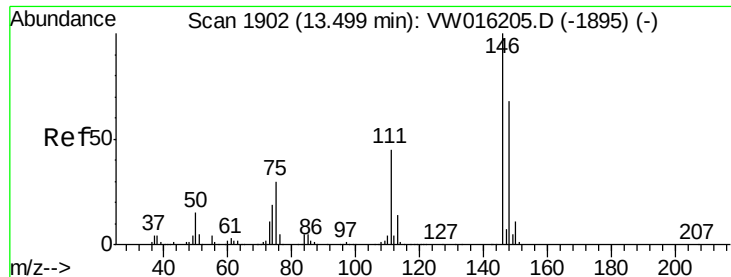
Ion Ratio Lower Upper

173 100

175 49.4 37.8 56.6

254 9.2 6.8 10.2

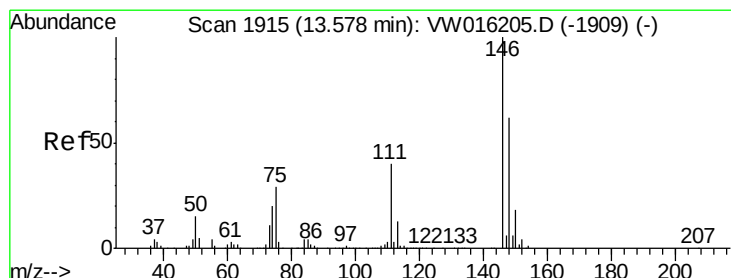
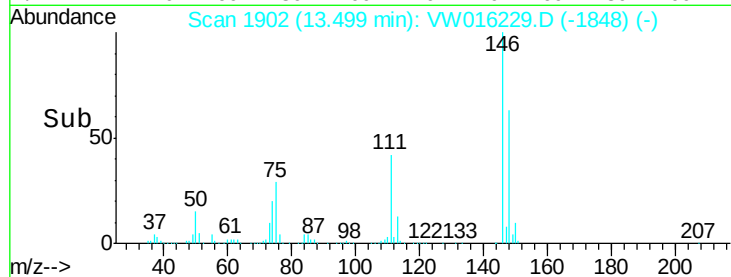
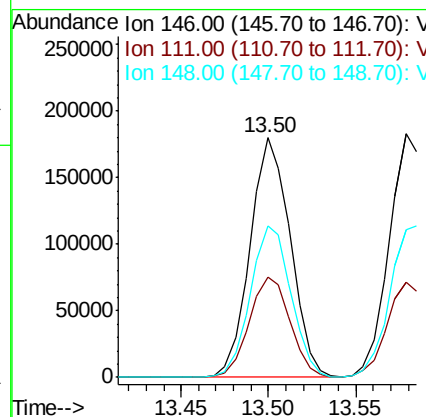
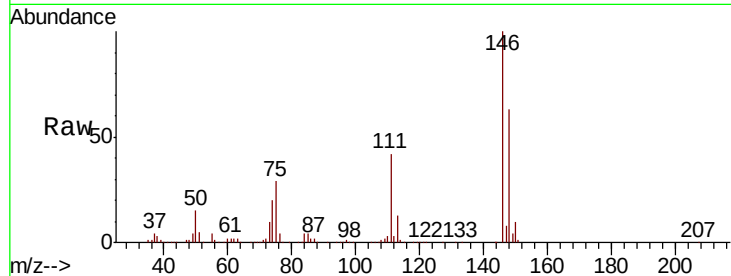




#63
 1,3-Dichlorobenzene
 Concen: 25.593 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016229.D
 Acq: 18 Aug 2020 09:25

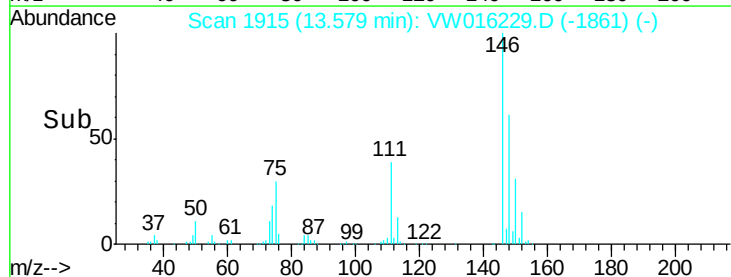
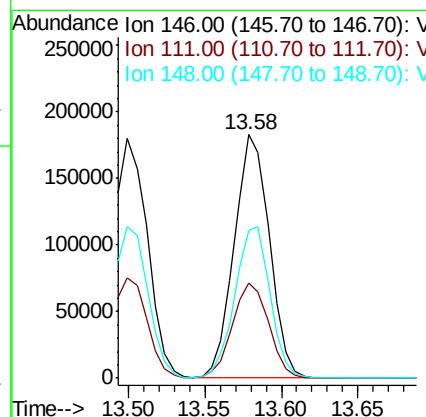
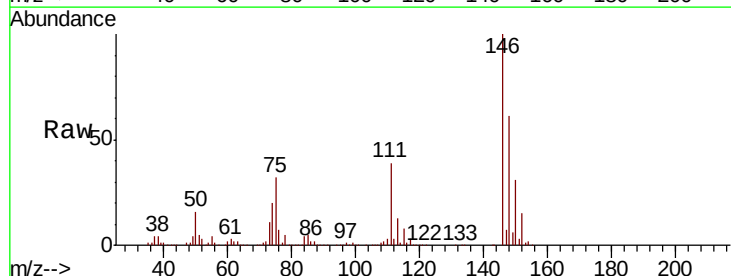
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

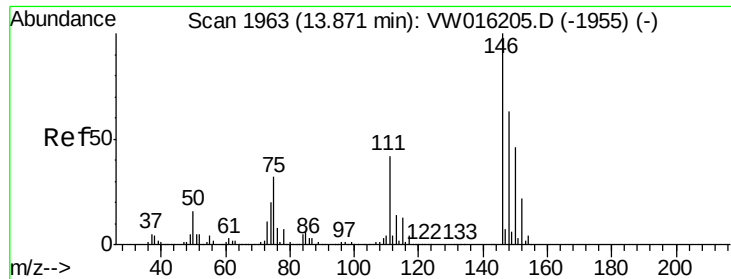
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	28.9	53.7
148	63.4	44.7	82.9



#64
 1,4-Dichlorobenzene
 Concen: 25.470 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016229.D
 Acq: 18 Aug 2020 09:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	28.6	53.2
148	60.6	47.7	88.5

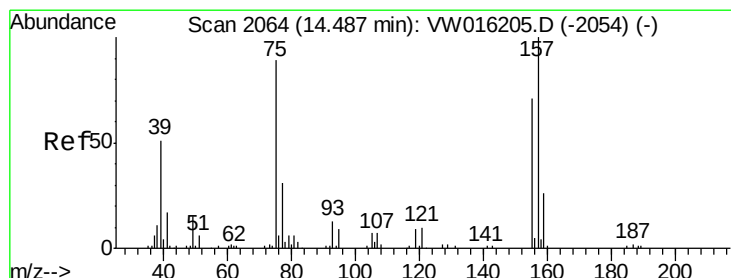
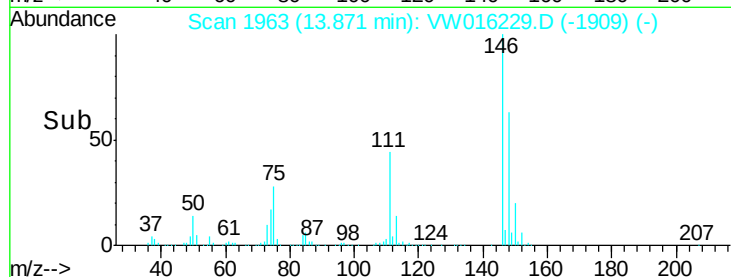
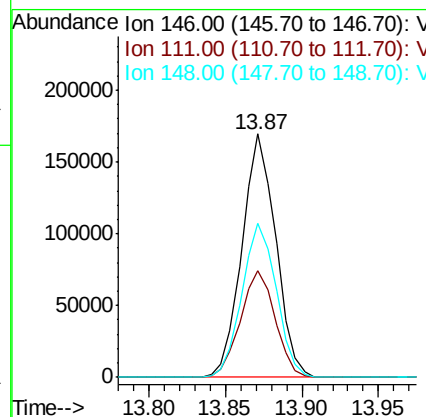
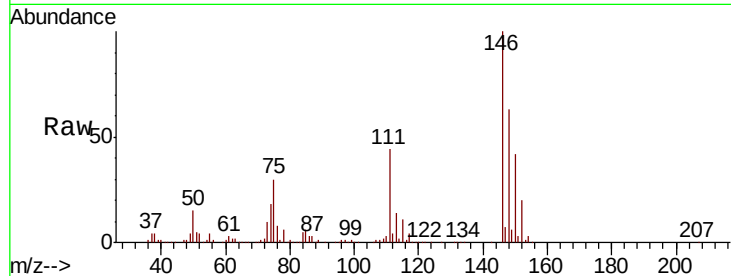




#65
 1,2-Dichlorobenzene
 Concen: 25.149 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016229.D
 Acq: 18 Aug 2020 09:25

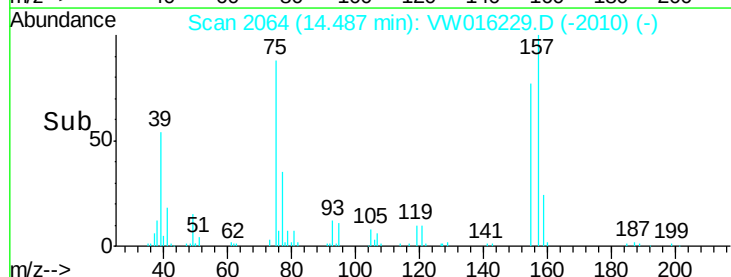
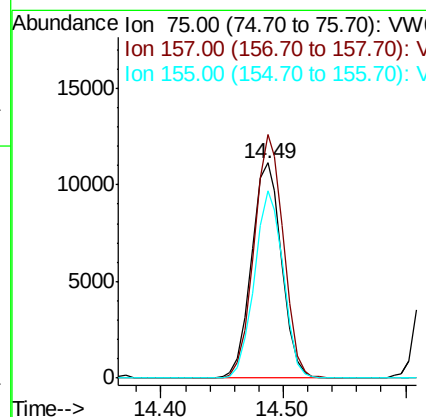
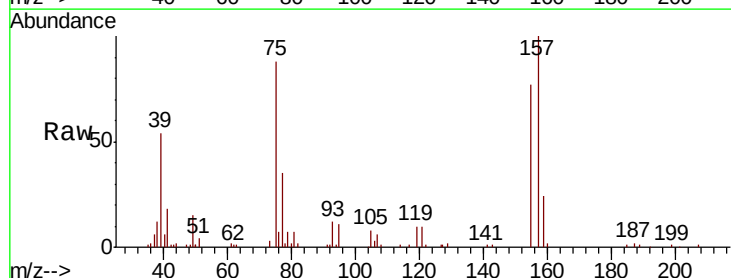
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

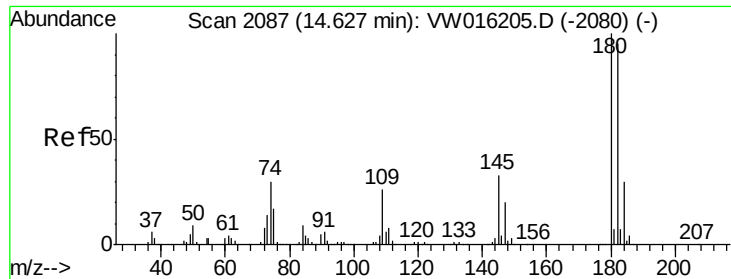
Tot Ion:146 Resp: 259493
 Ion Ratio Lower Upper
 146 100
 111 44.0 35.3 52.9
 148 63.2 49.0 73.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.019 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016229.D
 Acq: 18 Aug 2020 09:25

Tgt Ion: 75 Resp: 19018
 Ion Ratio Lower Upper
 75 100
 157 113.2 73.9 110.9#
 155 86.9 63.4 95.2

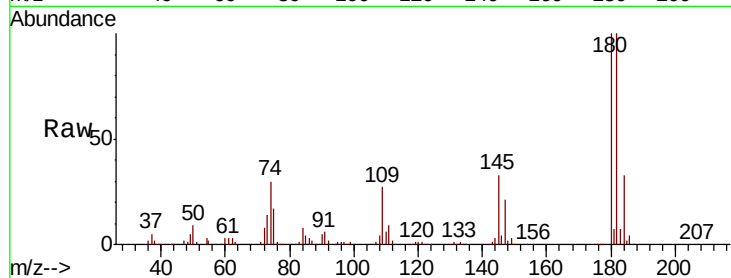




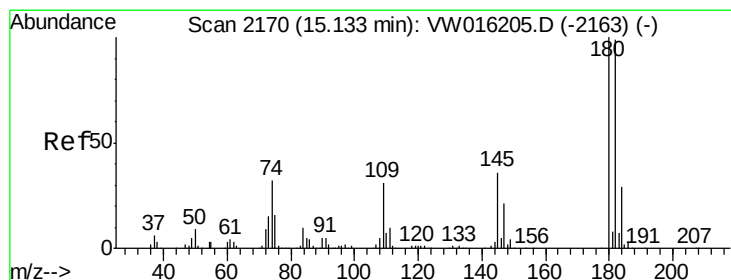
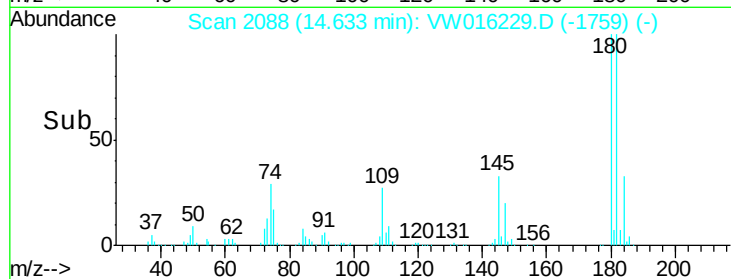
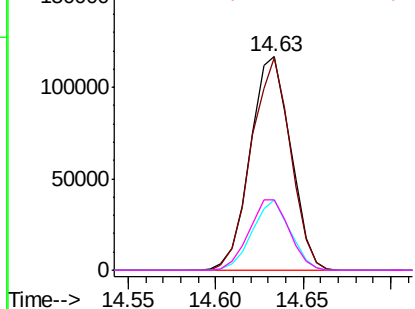
#67
 1,3,5-Trichlorobenzene
 Concen: 26.550 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW016229.D
 Acq: 18 Aug 2020 09:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

Tot Ion:180	Resp:	188539
Ion Ratio	Lower	Upper
180	100	
182	96.3	76.3 114.5
184	30.8	25.1 37.7
145	32.9	26.9 40.3

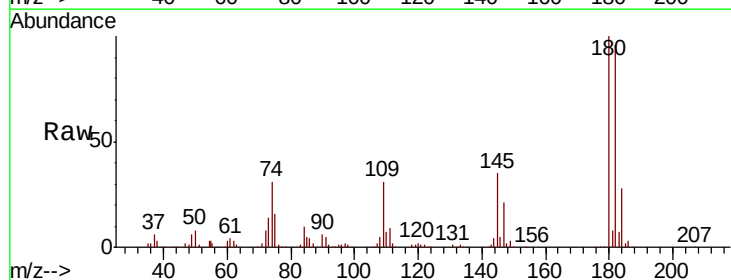


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

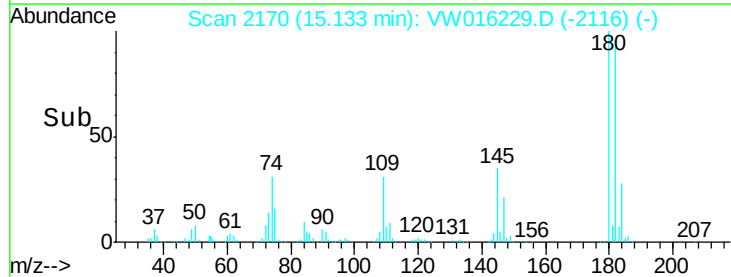
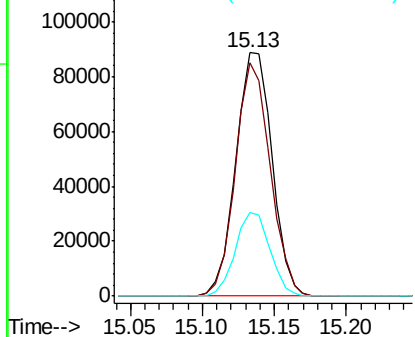


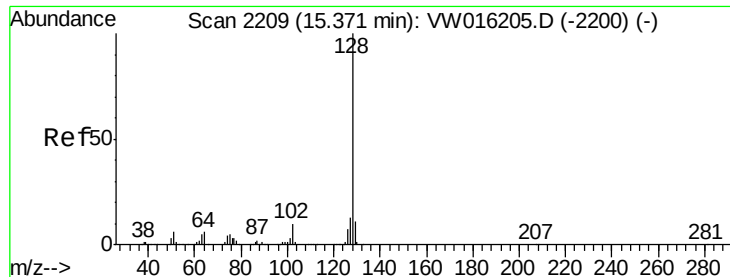
#68
 1,2,4-trichlorobenzene
 Concen: 27.007 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016229.D
 Acq: 18 Aug 2020 09:25

Tgt Ion:180	Resp:	155435
Ion Ratio	Lower	Upper
180	100	
182	92.2	77.8 116.8
145	33.0	26.5 39.7



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





#69

Naphthalene

Concen: 25.726 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW016229.D

Acq: 18 Aug 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

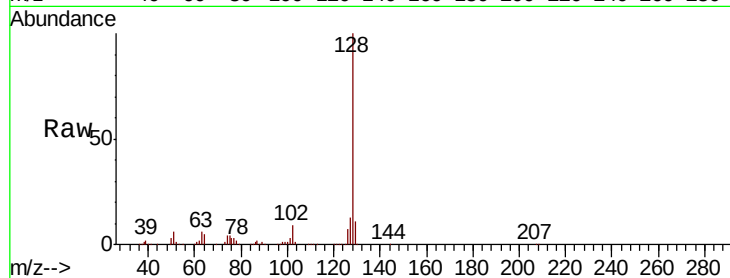
Tot Ion:128 Resp: 312527

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

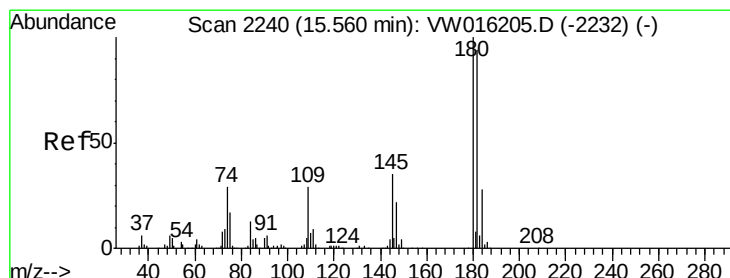
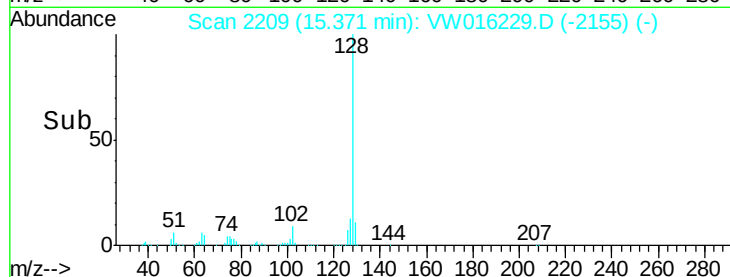
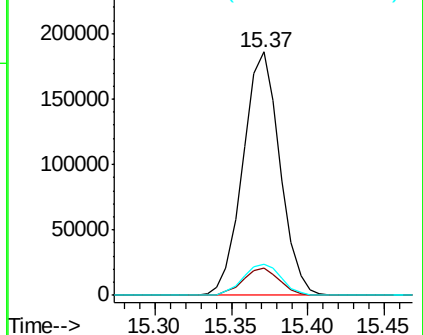
127 13.3 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 26.605 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW016229.D

Acq: 18 Aug 2020 09:25

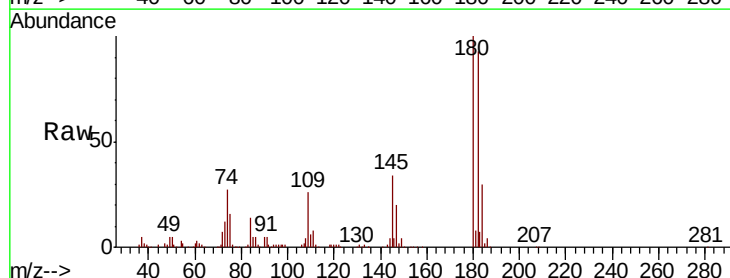
Tgt Ion:180 Resp: 139113

Ion Ratio Lower Upper

180 100

182 93.0 76.0 114.0

145 36.0 29.9 44.9



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

