

Data File : VW014930.D
Acq On : 07 Feb 2020 19:34
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

Quant Time: Feb 08 04:04:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020520S.M
Quant Title : VOC Analysis
QLast Update : Sat Feb 08 03:59:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	663032	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	622670	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	293177	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	278184	25.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.36%
7) Chloroethane-d5	2.89	69	230841	26.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.08%
10) 1,1-Dichloroethene-d2	4.03	63	516301	25.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	102.96%
20) 2-Butanone-d5	7.07	46	172426	55.97	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.94%
24) Chloroform-d	7.65	84	512943	27.25	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.00%
26) 1,2-Dichloroethane-d4	8.31	65	294116	28.23	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	112.92%
29) Benzene-d6	8.27	84	1014282	25.33	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.32%
33) 1,2-Dichloropropane-d6	9.27	67	340007	26.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.24%
37) Toluene-d8	10.32	98	885752	25.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.56%
38) trans-1,3-Dichloropropene-	10.57	79	128627	24.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.84%
39) 2-Hexanone-d5	10.92	63	128601	54.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.14%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	266554	27.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.52%
61) 1,2-Dichlorobenzene-d4	13.85	152	270002	23.75	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	161171	23.645 ug/L	93
3) Chloromethane	2.21	50	248761	24.084 ug/L	98
5) Vinyl chloride	2.37	62	335969	24.912 ug/L	99
6) Bromomethane	2.78	94	155648	23.080 ug/L	100
8) Chloroethane	2.93	64	186531	25.279 ug/L	99
9) Trichlorofluoromethane	3.26	101	130103	23.865 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	249509	25.927 ug/L	96
12) 1,1-Dichloroethene	4.04	96	228622	24.308 ug/L	95
13) Acetone	4.12	43	147024	46.239 ug/L	99
14) Carbon disulfide	4.39	76	713975	25.282 ug/L	100
15) Methyl Acetate	4.67	43	142934	27.317 ug/L	97
16) Methylene chloride	4.92	84	267532	22.148 ug/L	92
17) Methyl tert-butyl Ether	5.42	73	284726	23.172 ug/L	97
18) trans-1,2-Dichloroethene	5.42	96	228506	23.978 ug/L	89
19) 1,1-Dichloroethane	6.21	63	510104	26.422 ug/L	99
21) 2-Butanone	7.17	43	193838	52.068 ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	247339	23.996 ug/L	92

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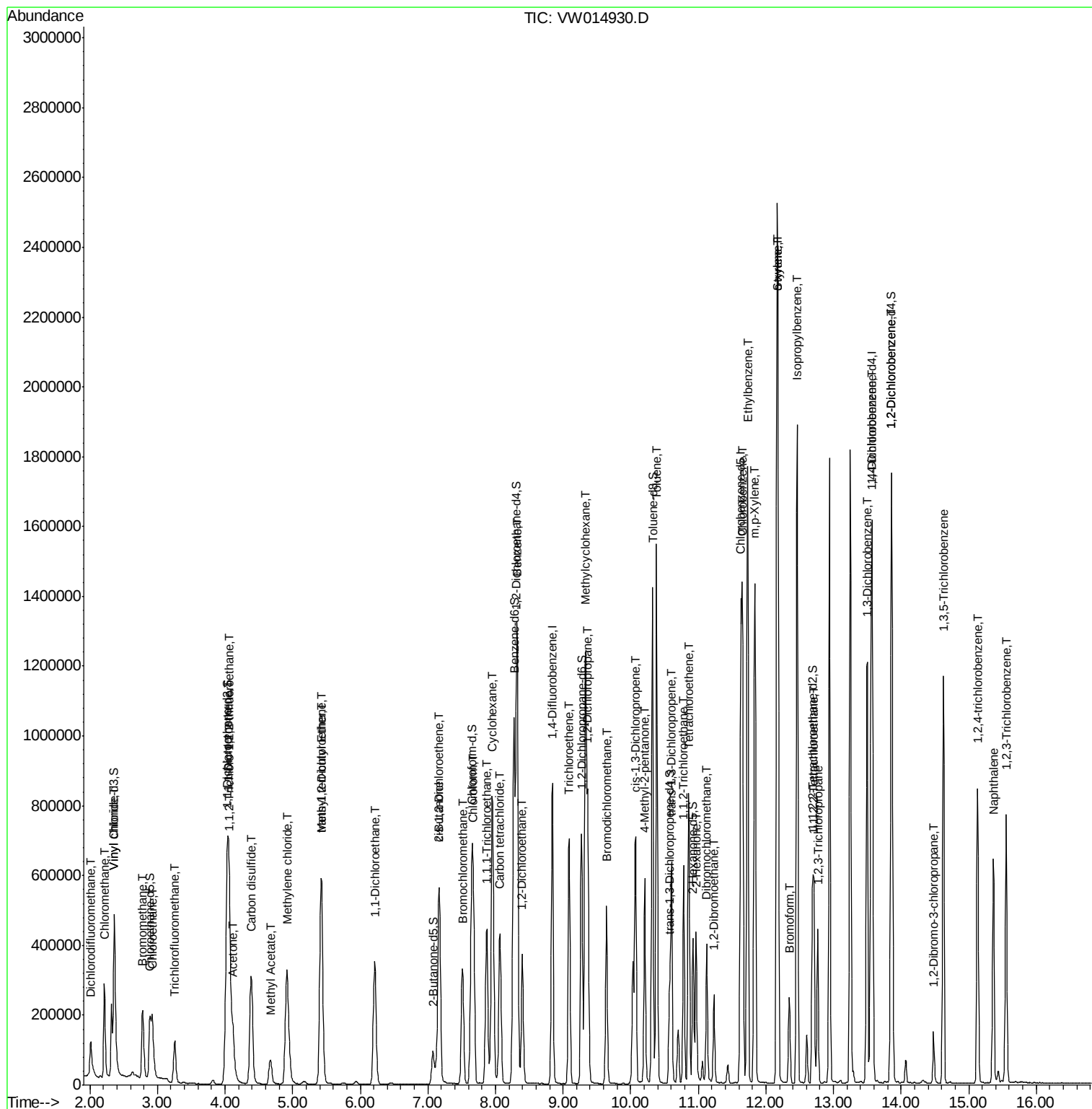
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	102666	24.277	ug/L	91
25) Chloroform	7.68	83	464323	26.182	ug/L	99
27) 1,2-Dichloroethane	8.40	62	330541	27.034	ug/L	96
30) Cyclohexane	7.96	56	455119	24.531	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	352577	24.833	ug/L	97
32) Carbon tetrachloride	8.07	117	314510	24.643	ug/L	99
34) Benzene	8.32	78	1077071	25.155	ug/L	100
35) Trichloroethene	9.09	95	251739	23.719	ug/L	98
36) Methylcyclohexane	9.34	83	437472	23.662	ug/L	95
40) 1,2-Dichloropropane	9.37	63	296783	25.901	ug/L	100
41) Bromodichloromethane	9.64	83	334886	25.502	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	399186	24.534	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	403554	53.711	ug/L	96
44) Toluene	10.38	91	1098184	25.264	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	326309	24.904	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	186493	24.724	ug/L	95
47) Tetrachloroethene	10.86	164	176552	22.639	ug/L	98
49) 2-Hexanone	10.96	43	295014	55.899	ug/L	97
50) Dibromochloromethane	11.13	129	197708	24.388	ug/L	98
51) 1,2-Dibromoethane	11.23	107	166008	23.653	ug/L	99
52) Chlorobenzene	11.65	112	627786	23.622	ug/L	96
53) Ethylbenzene	11.73	91	1188306	24.989	ug/L	98
54) m,p-Xylene	11.83	106	426383	24.547	ug/L	95
55) o-xylene	12.16	106	402341	24.338	ug/L	99
56) Styrene	12.18	104	714215	25.563	ug/L	96
57) Isopropylbenzene	12.46	105	1110157	25.005	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	247198	26.255	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	184854	26.097	ug/L	98
62) Bromoform	12.35	173	102918	23.028	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	461620	23.310	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	465624	23.341	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	424574	23.439	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	38853	25.156	ug/L	88
67) 1,3,5-Trichlorobenzene	14.63	180	318485	22.455	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	251379	22.432	ug/L	99
69) Naphthalene	15.36	128	499047	22.639	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	239978	23.192	ug/L	100

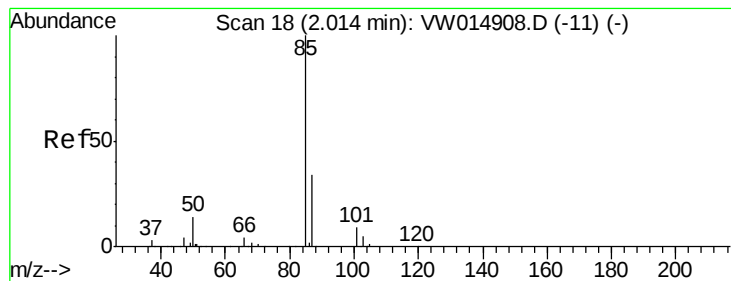
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.645 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW014930.D

Acq: 07 Feb 2020 19:34

Instrument :

MSVOA_W

ClientSampleId :

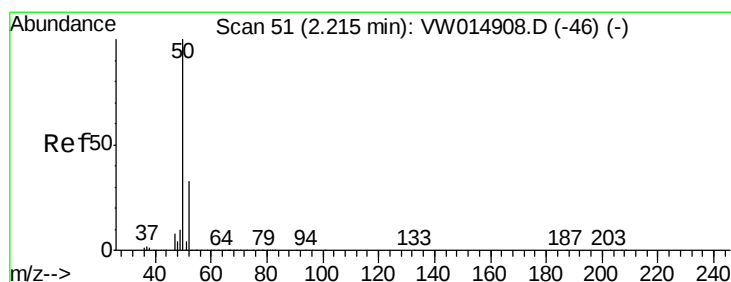
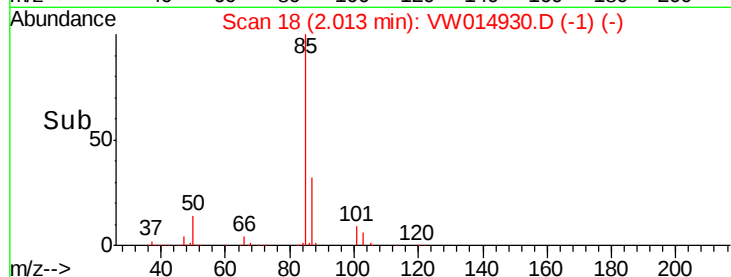
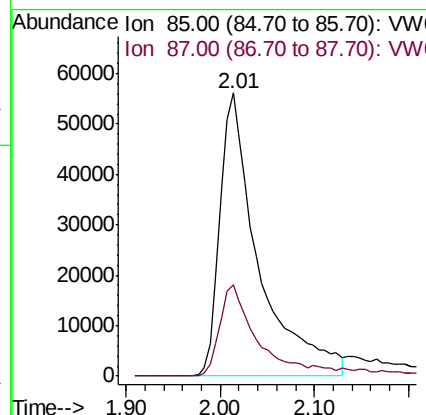
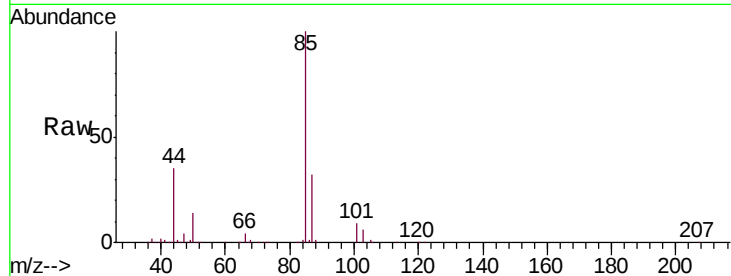
VSTD02518

Tgt Ion: 85 Resp: 161171

Ion Ratio Lower Upper

85 100

87 29.7 18.1 33.7



#3

Chloromethane

Concen: 24.084 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW014930.D

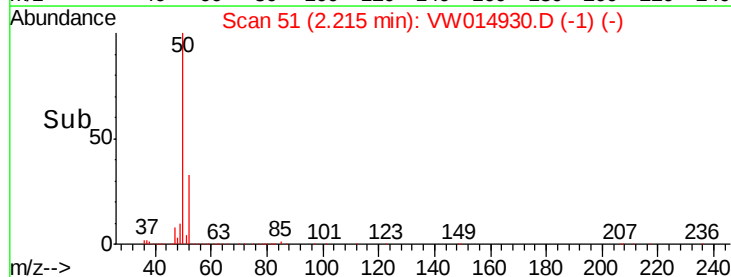
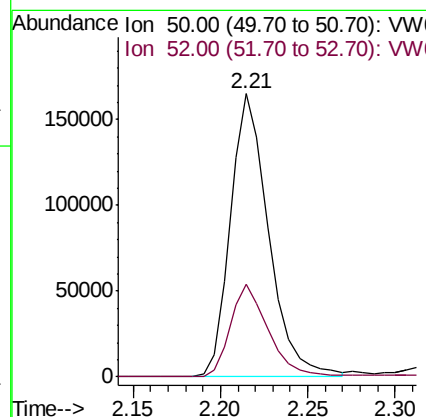
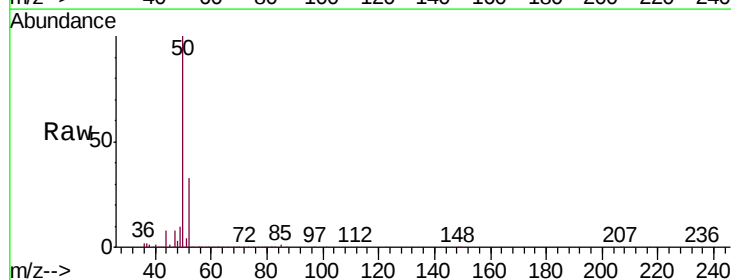
Acq: 07 Feb 2020 19:34

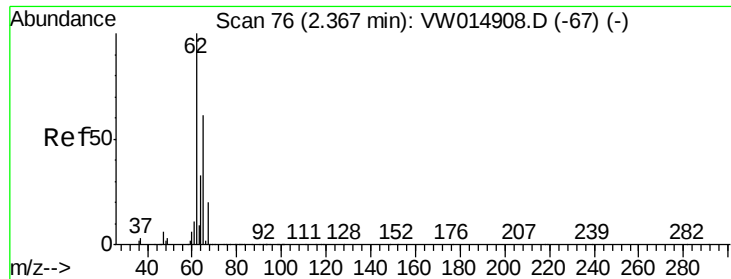
Tgt Ion: 50 Resp: 248761

Ion Ratio Lower Upper

50 100

52 32.8 22.1 41.1





#5

Vinyl chloride

Concen: 24.912 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW014930.D

Acq: 07 Feb 2020 19:34

Instrument :

MSVOA_W

ClientSampleId :

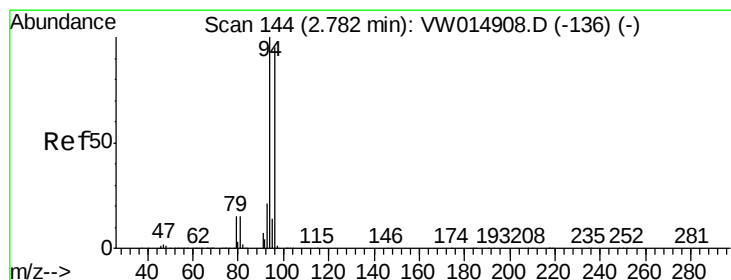
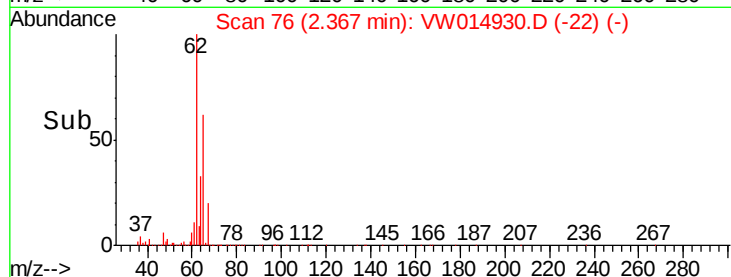
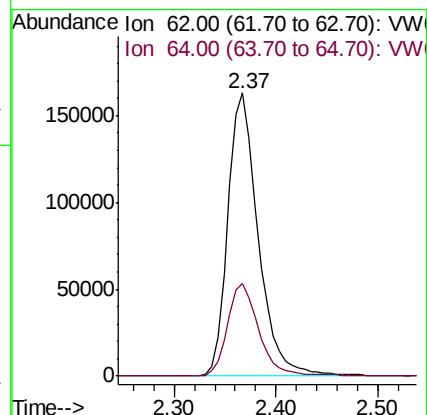
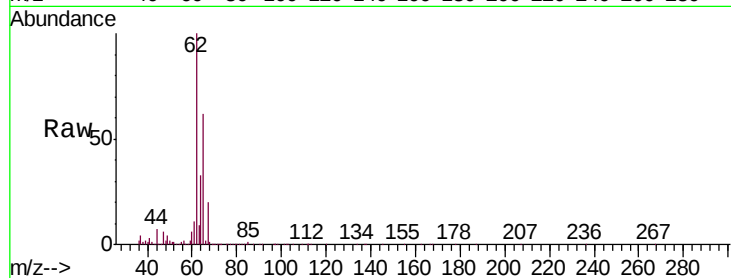
VSTD02518

Tgt Ion: 62 Resp: 335969

Ion Ratio Lower Upper

62 100

64 32.8 22.5 41.9



#6

Bromomethane

Concen: 23.080 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW014930.D

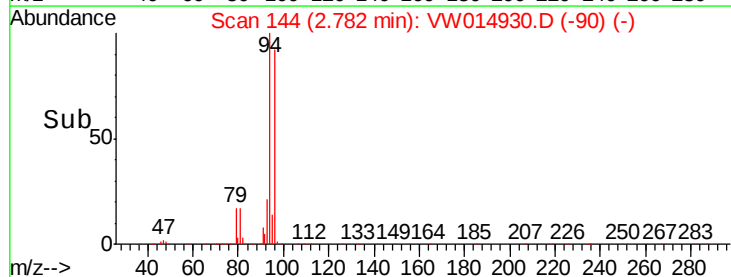
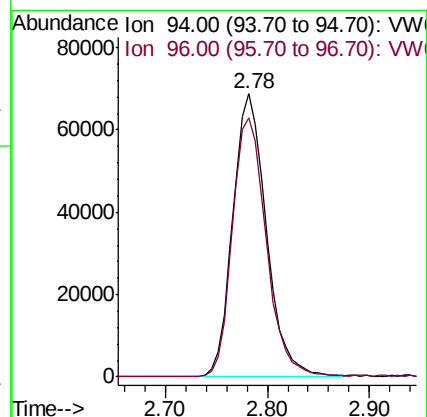
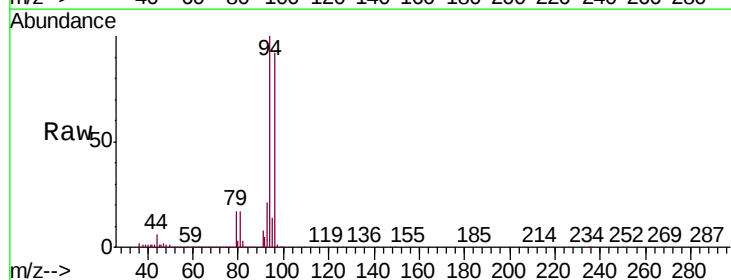
Acq: 07 Feb 2020 19:34

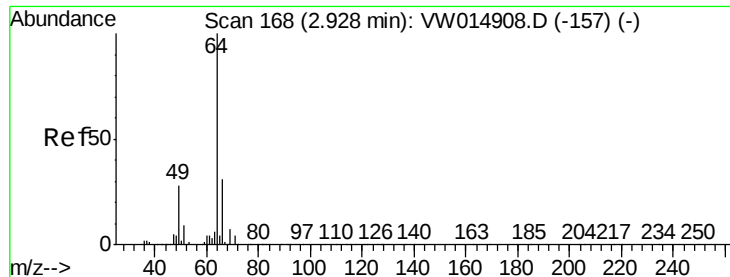
Tgt Ion: 94 Resp: 155648

Ion Ratio Lower Upper

94 100

96 93.2 9.4 178.0

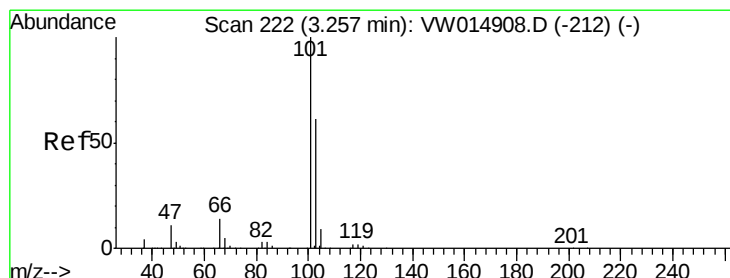
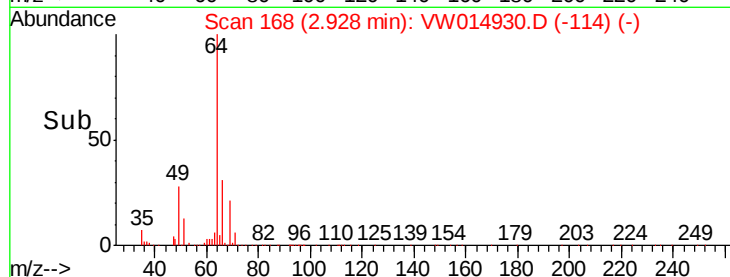
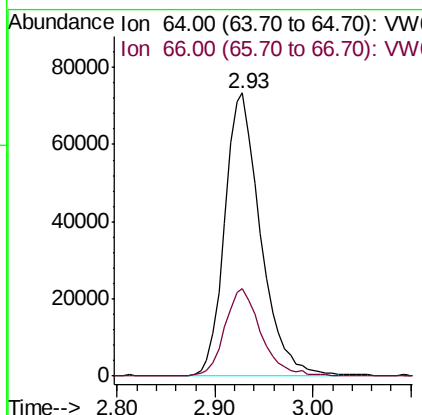
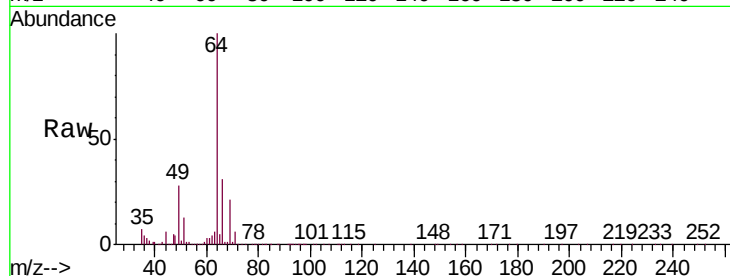




#8
Chloroethane
Concen: 25.279 ug/L
RT: 2.93 min Scan# 168
Delta R.T. -0.00 min
Lab File: VW014930.D
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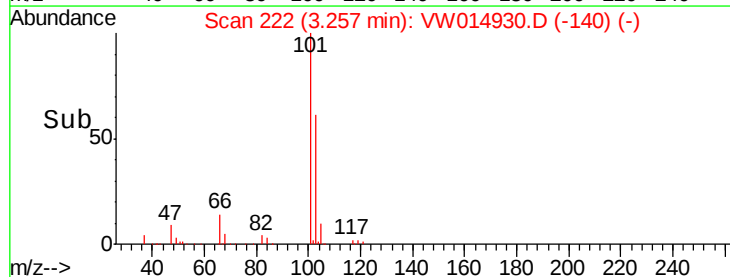
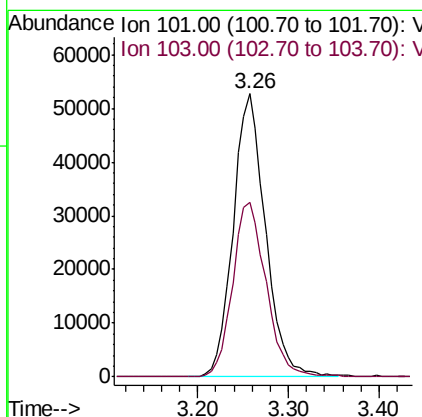
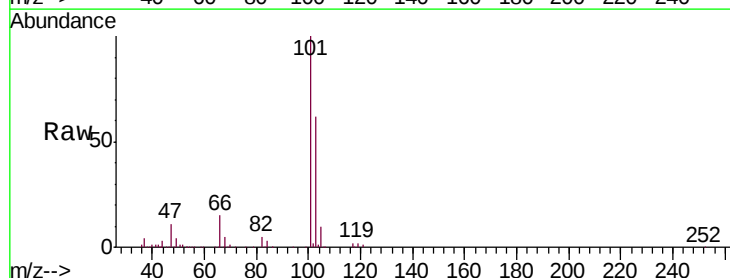
Instrument :
MSVOA_W
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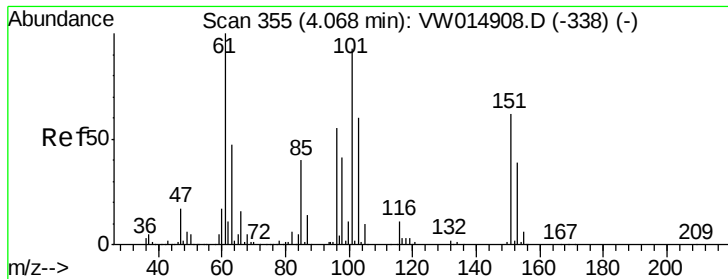
Tgt Ion: 64 Resp: 186531
Ion Ratio Lower Upper
64 100
66 30.8 21.9 40.7



#9
Trichlorofluoromethane
Concen: 23.865 ug/L
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW014930.D
Acq: 07 Feb 2020 19:34

Tgt Ion: 101 Resp: 130103
Ion Ratio Lower Upper
101 100
103 63.8 45.8 85.0





#11

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

Concen: 25.927 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW014930.D

Acq: 07 Feb 2020 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

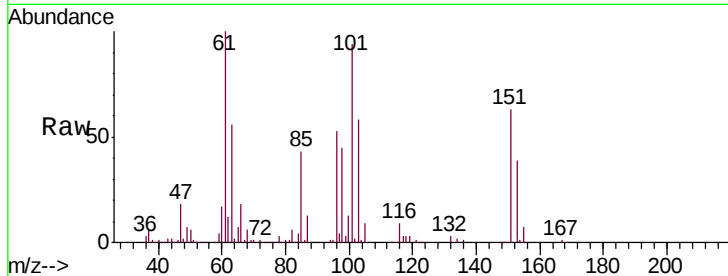
Tgt Ion:101 Resp: 249509

Ion Ratio Lower Upper

101 100

85 44.7 34.8 52.2

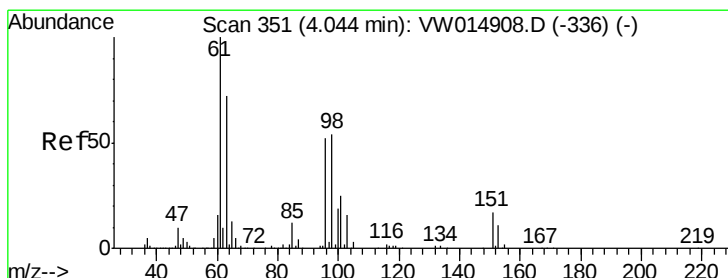
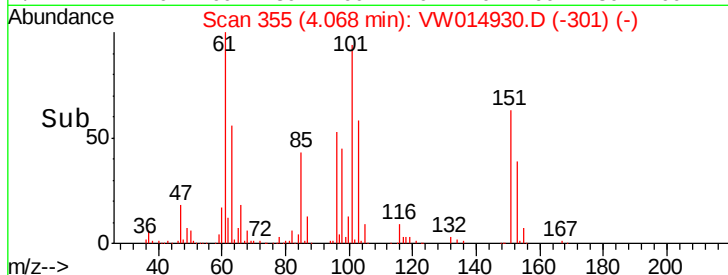
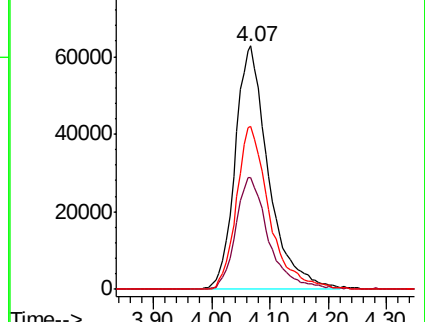
151 65.9 56.3 84.5



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: 24.308 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

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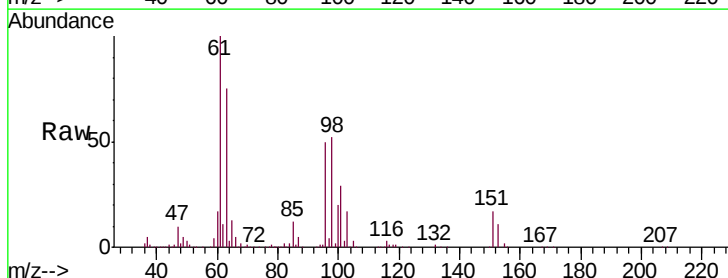
Tgt Ion: 96 Resp: 228622

Ion Ratio Lower Upper

96 100

61 200.4 134.7 250.1

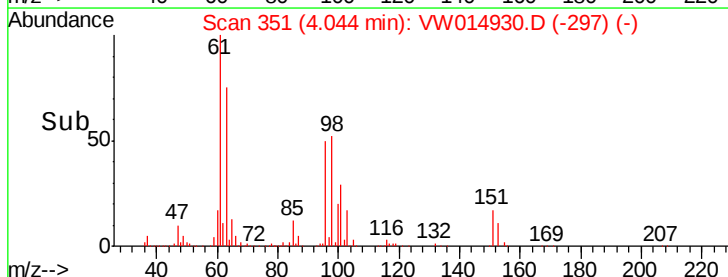
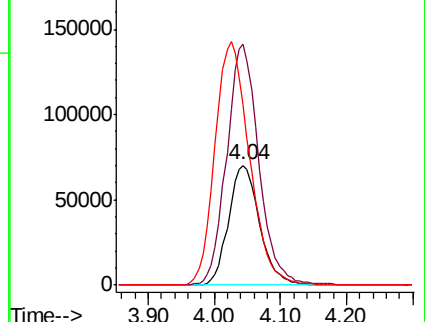
63 150.9 110.2 204.8

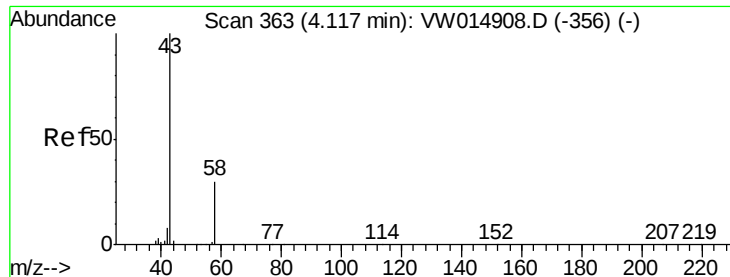


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 46.239 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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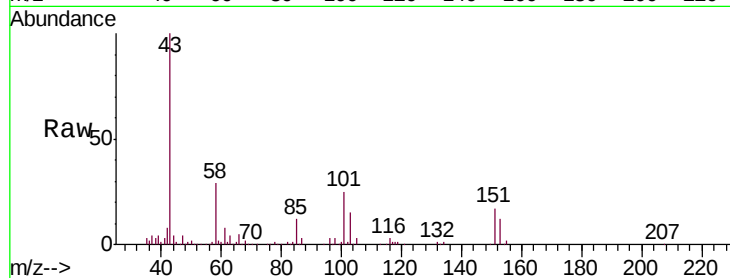
VSTD02518

Tgt Ion: 43 Resp: 147024

Ion Ratio Lower Upper

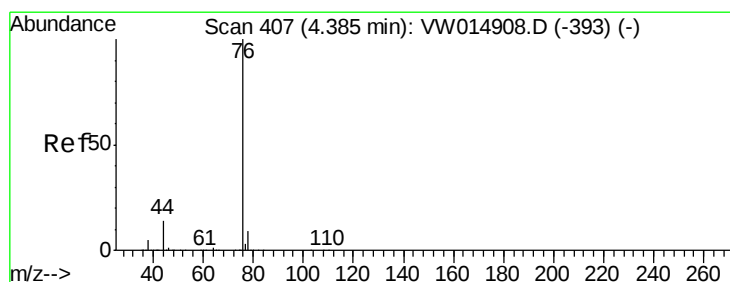
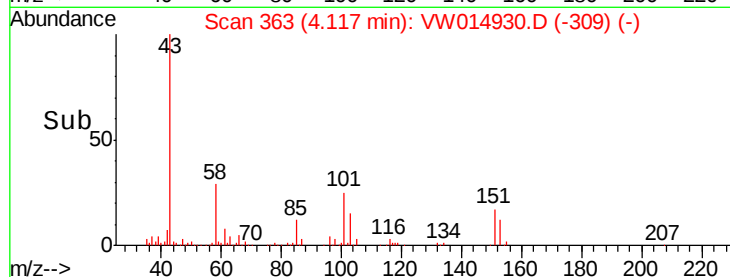
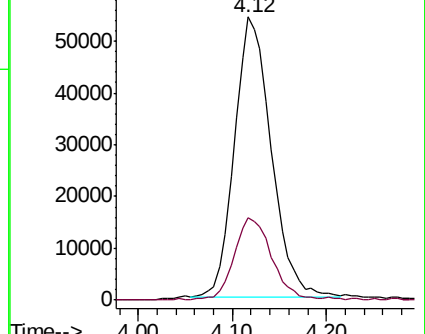
43 100

58 29.9 0.0 60.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 25.282 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

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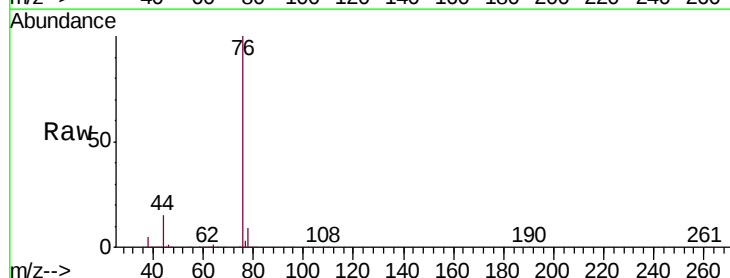
Acq: 07 Feb 2020 19:34

Tgt Ion: 76 Resp: 713975

Ion Ratio Lower Upper

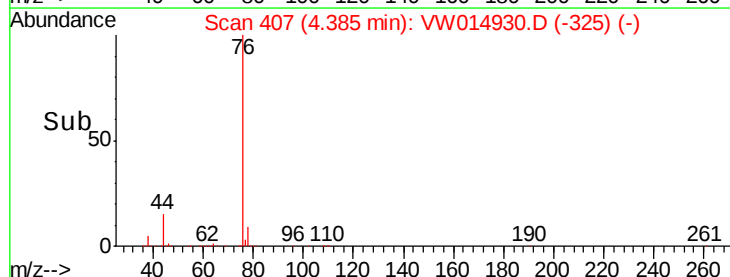
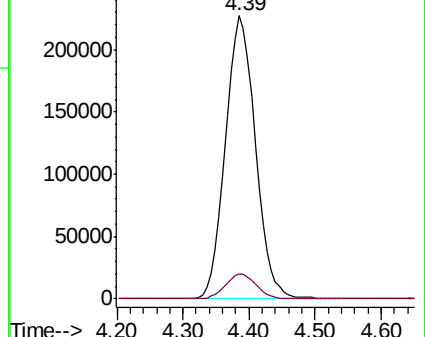
76 100

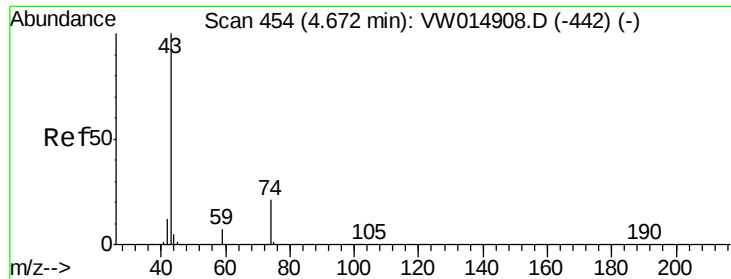
78 8.7 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

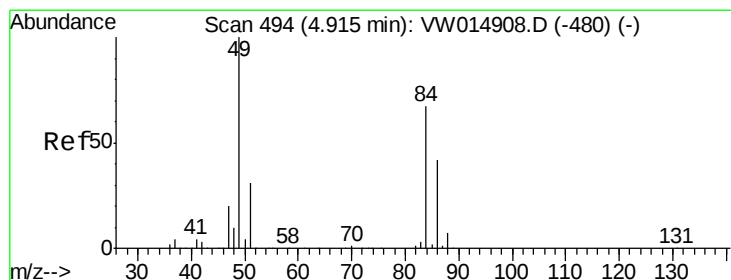
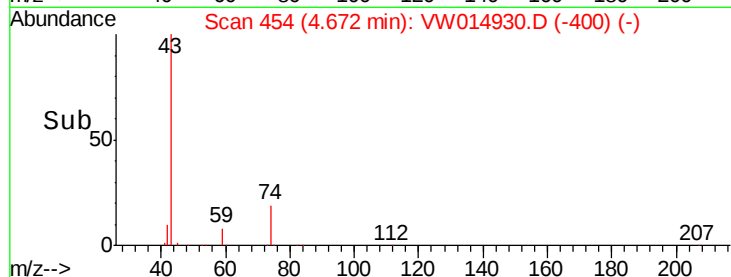
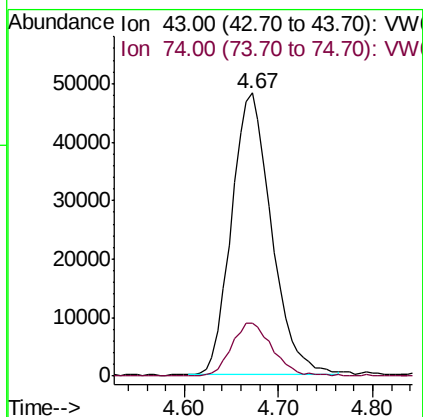
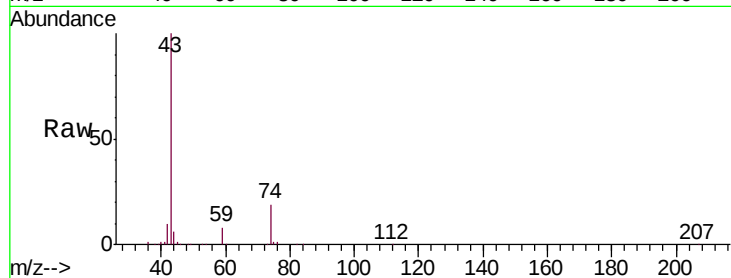




#15
Methyl Acetate
Concen: 27.317 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW014930.D
Acq: 07 Feb 2020 19:34

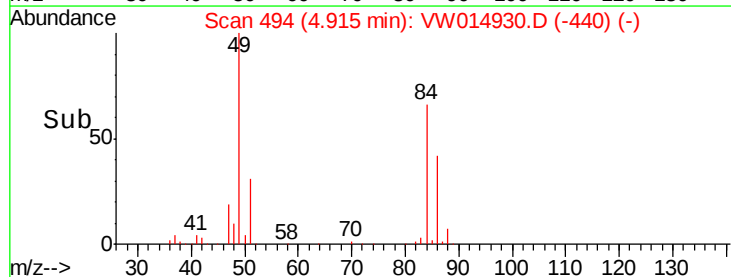
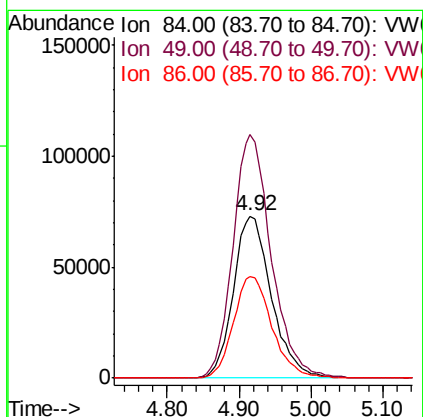
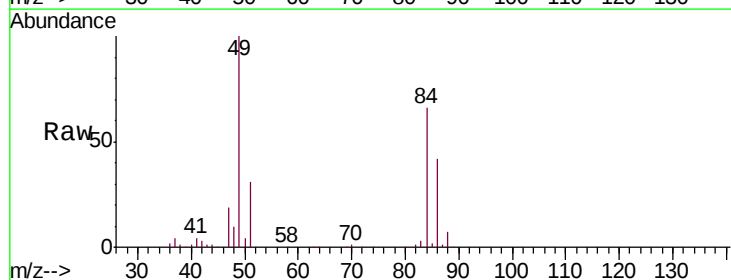
Instrument :
MSVOA_W
ClientSampled :
VSTD02518

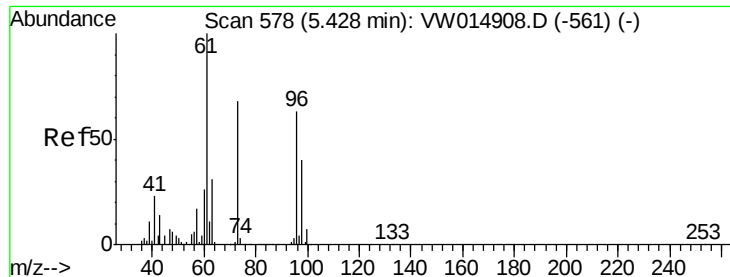
Tgt Ion: 43 Resp: 142934
Ion Ratio Lower Upper
43 100
74 19.0 16.5 24.7



#16
Methylene chloride
Concen: 22.148 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW014930.D
Acq: 07 Feb 2020 19:34

Tgt Ion: 84 Resp: 267532
Ion Ratio Lower Upper
84 100
49 150.4 95.8 177.8
86 63.0 44.2 82.2

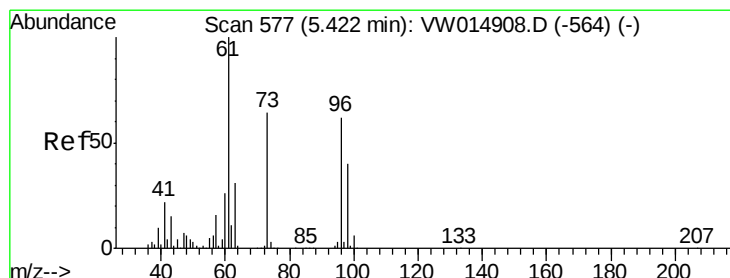
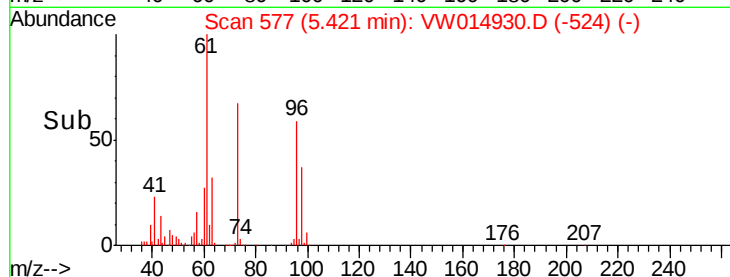
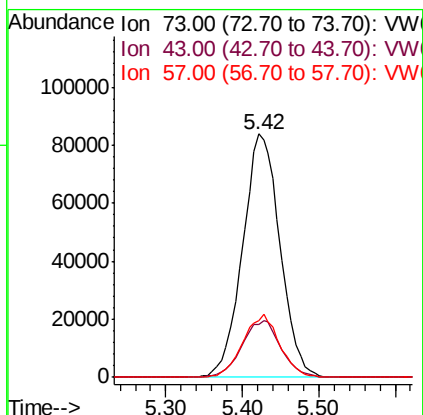
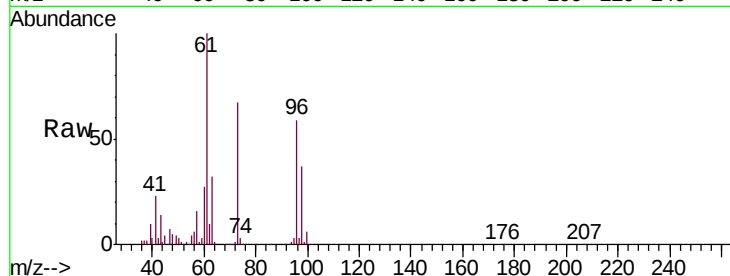




#17
Methyl tert-butyl Ether
Concen: 23.172 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW014930.D
Acq: 07 Feb 2020 19:34

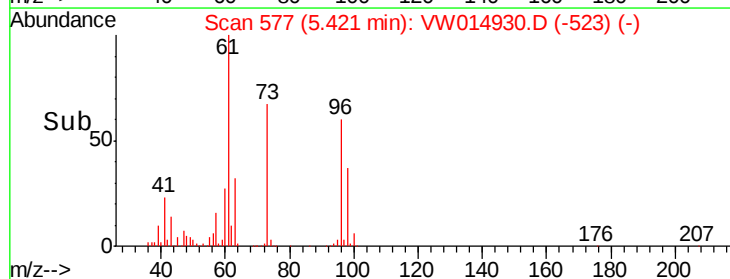
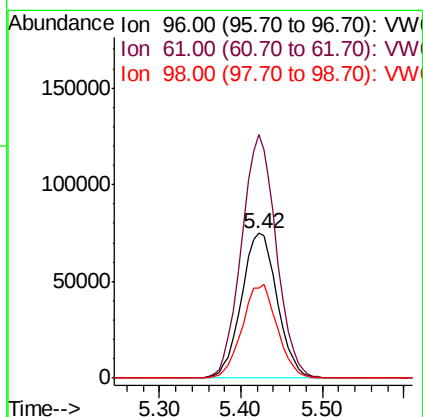
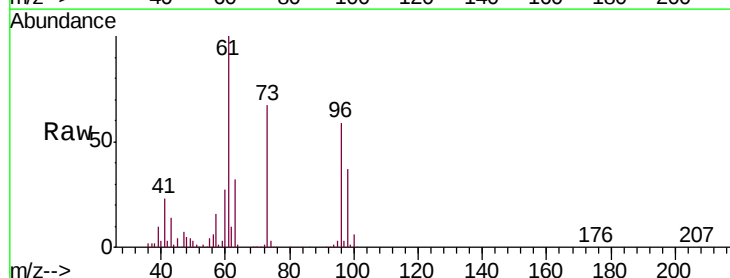
Instrument :
MSVOA_W
ClientSampled :
VSTD02518

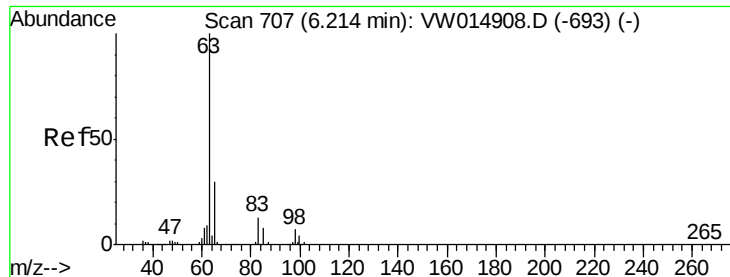
Tgt Ion	Ratio	Lower	Upper
73	100		
43	23.9	17.5	26.3
57	25.4	19.4	29.0



#18
trans-1,2-Dichloroethene
Concen: 23.978 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014930.D
Acq: 07 Feb 2020 19:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.1	104.4	194.0
98	62.2	43.8	81.3

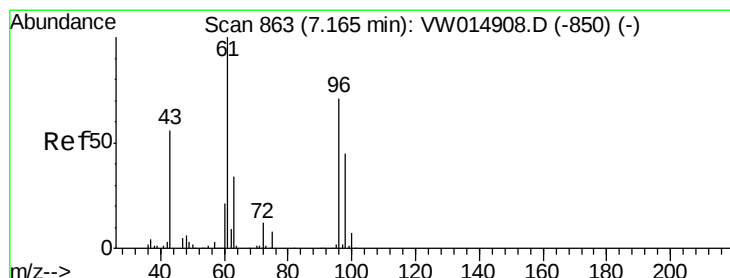
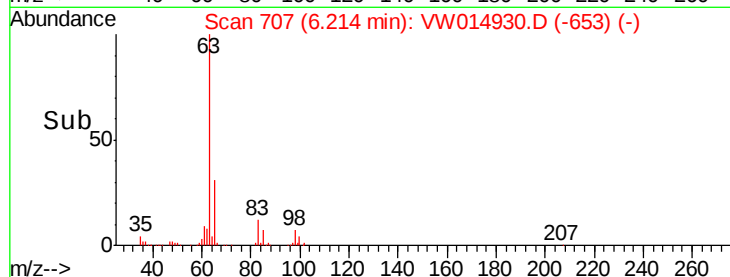
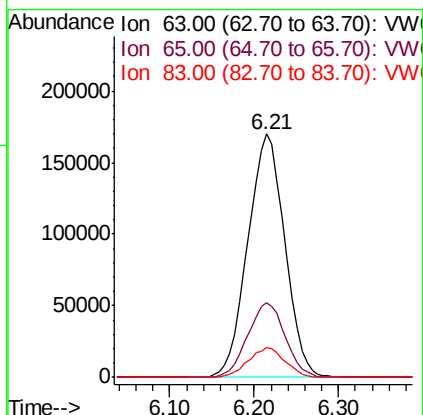
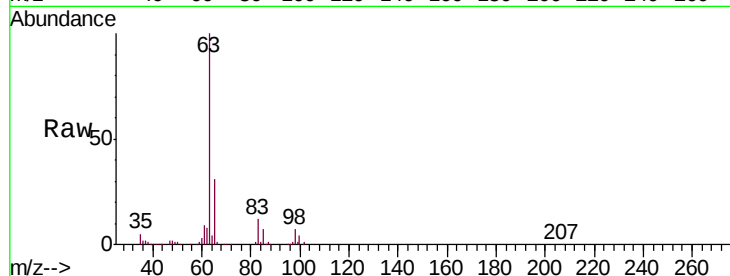




#19
 1,1-Dichloroethane
 Concen: 26.422 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW014930.D
 Acq: 07 Feb 2020 19:34

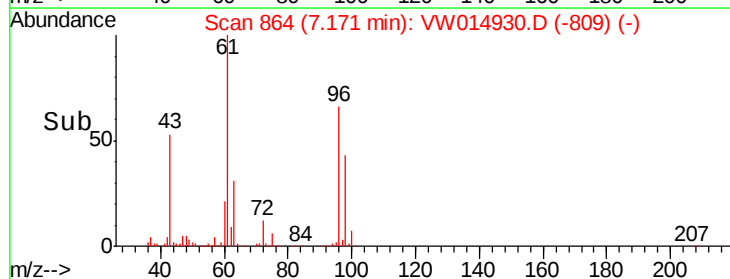
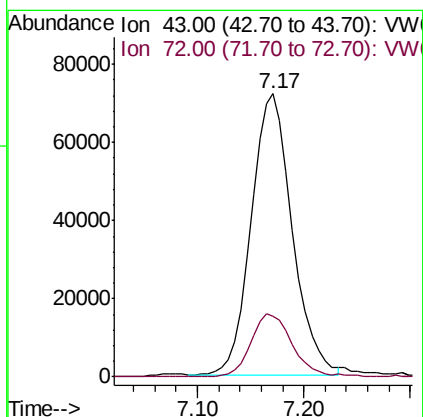
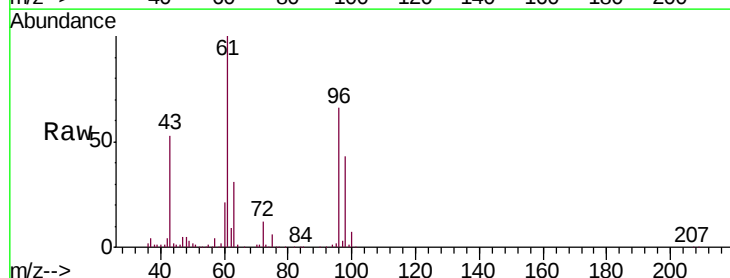
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

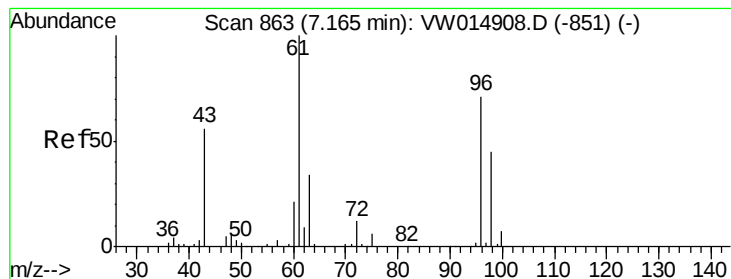
Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.9	21.5	39.9
83	12.0	8.8	16.3



#21
 2-Butanone
 Concen: 52.068 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW014930.D
 Acq: 07 Feb 2020 19:34

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.5	11.9	35.5



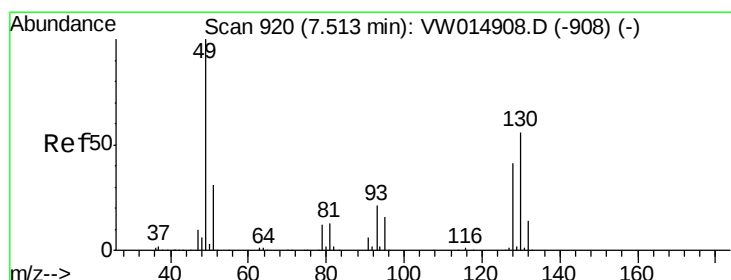
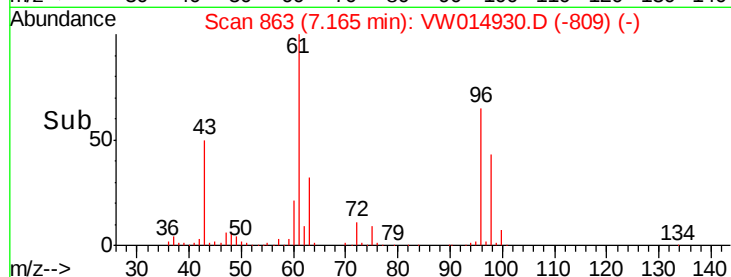
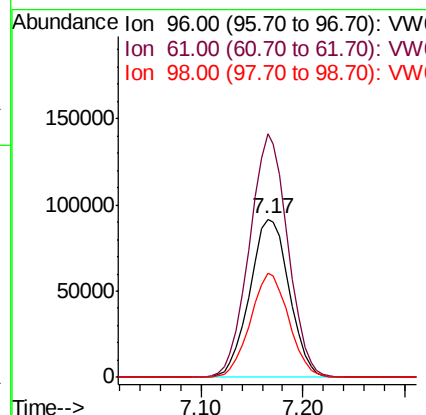
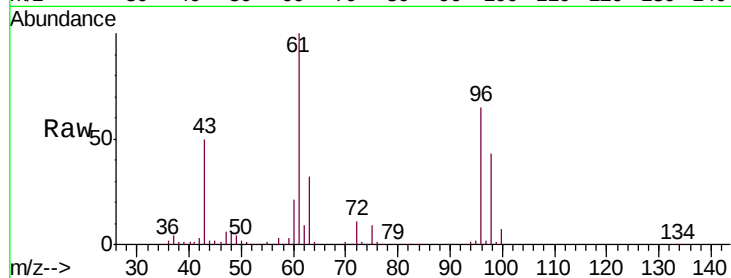


#22

cis-1,2-Dichloroethene
 Concen: 23.996 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014930.D
 Acq: 07 Feb 2020 19:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

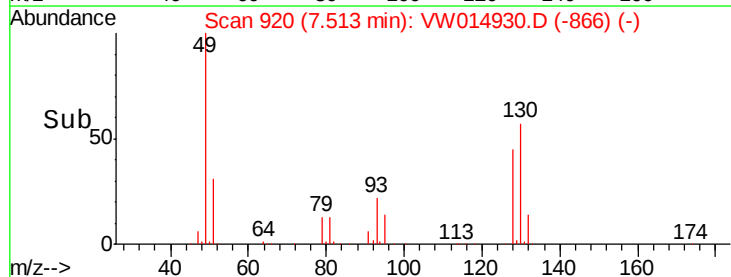
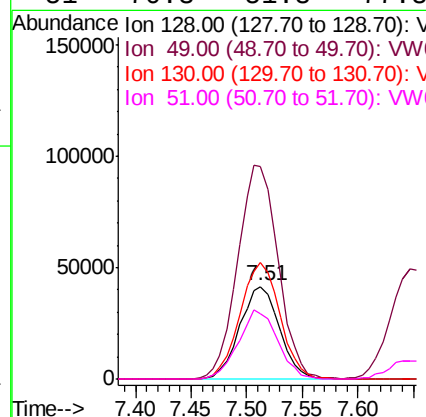
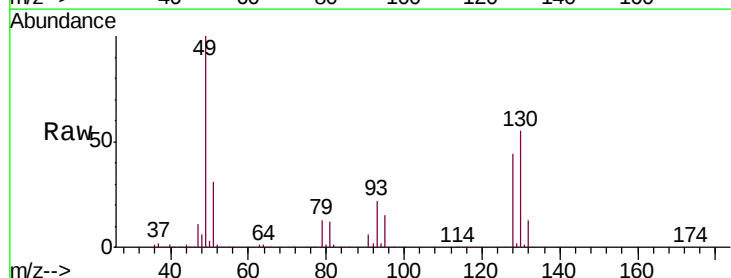
Tgt Ion: 96 Resp: 247339
 Ion Ratio Lower Upper
 96 100
 61 154.1 98.6 183.0
 98 65.6 44.2 82.2

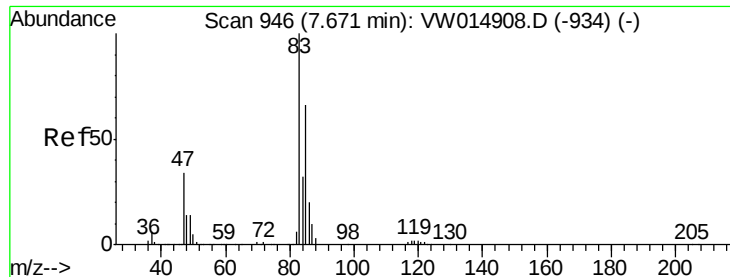


#23

Bromochloromethane
 Concen: 24.277 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW014930.D
 Acq: 07 Feb 2020 19:34

Tgt Ion: 128 Resp: 102666
 Ion Ratio Lower Upper
 128 100
 49 229.5 146.0 271.2
 130 126.0 90.9 168.9
 51 70.3 51.8 77.8

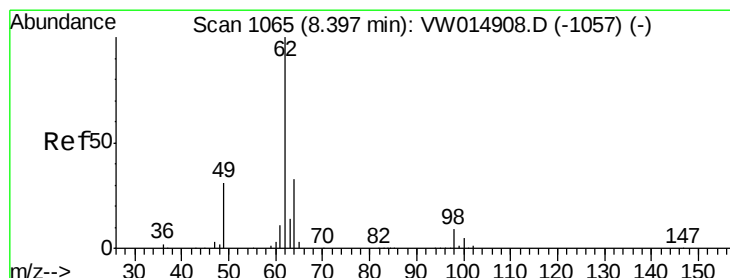
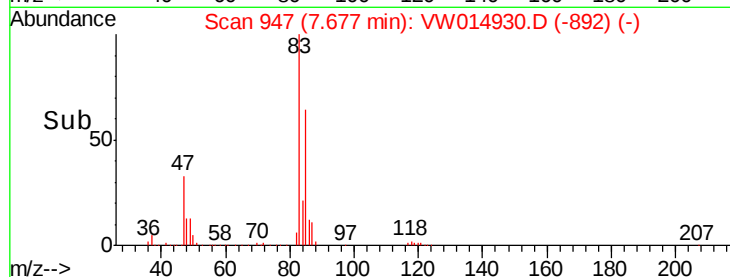
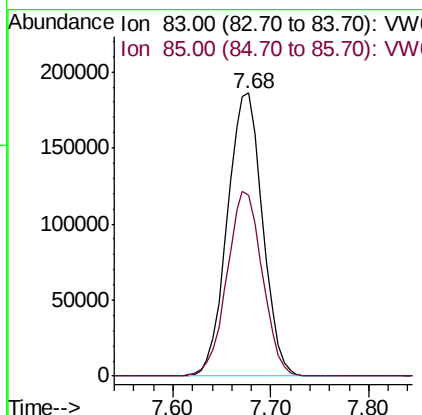
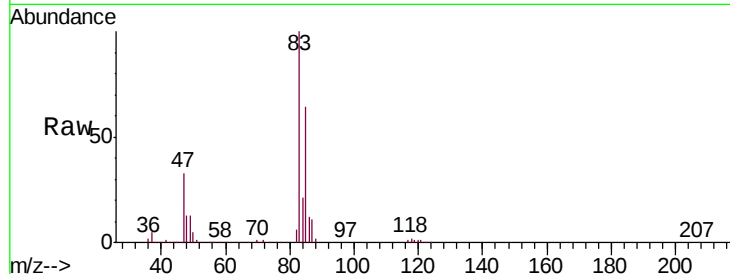




#25
Chloroform
Concen: 26.182 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW014930.D
Acq: 07 Feb 2020 19:34

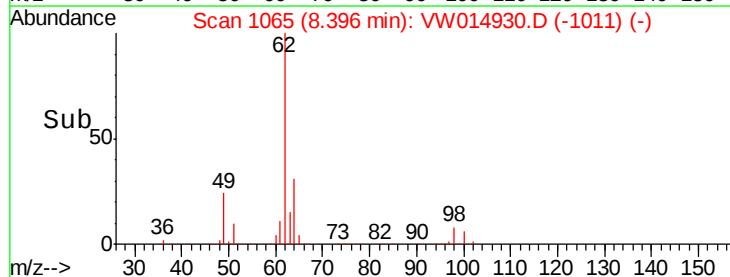
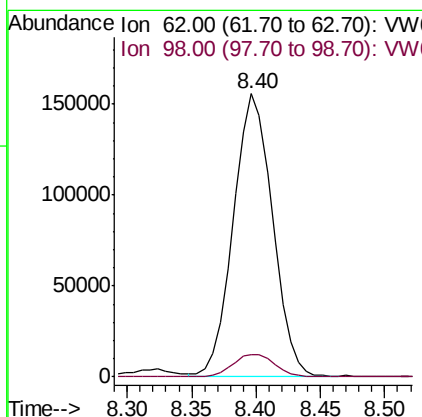
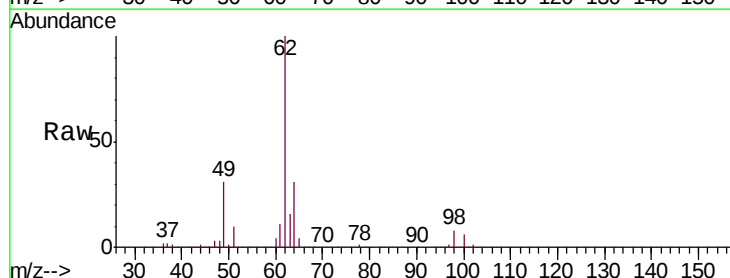
Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

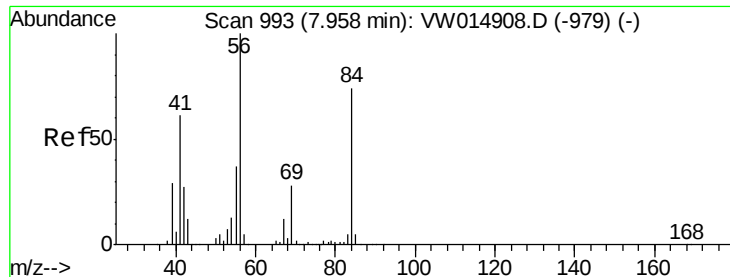
Tgt Ion: 83 Resp: 464323
Ion Ratio Lower Upper
83 100
85 65.8 45.4 84.4



#27
1,2-Dichloroethane
Concen: 27.034 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW014930.D
Acq: 07 Feb 2020 19:34

Tgt Ion: 62 Resp: 330541
Ion Ratio Lower Upper
62 100
98 7.7 7.2 10.8

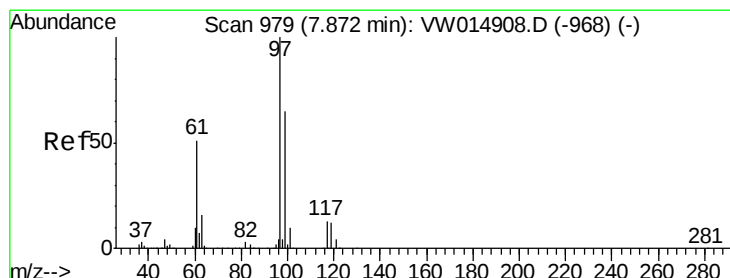
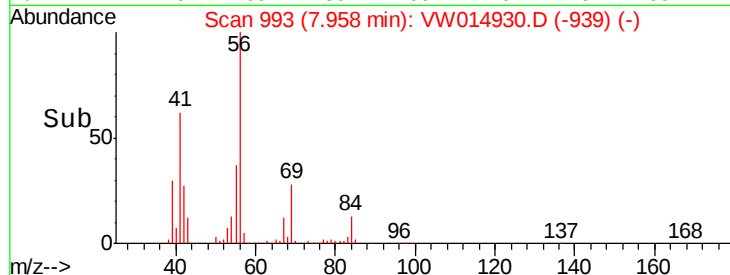
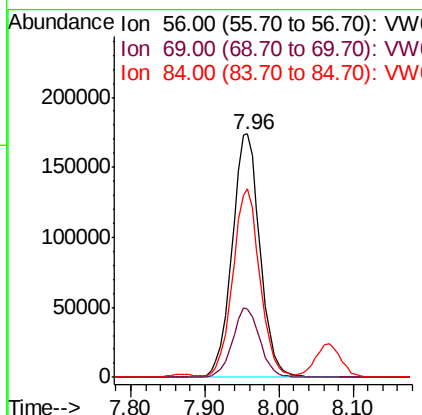
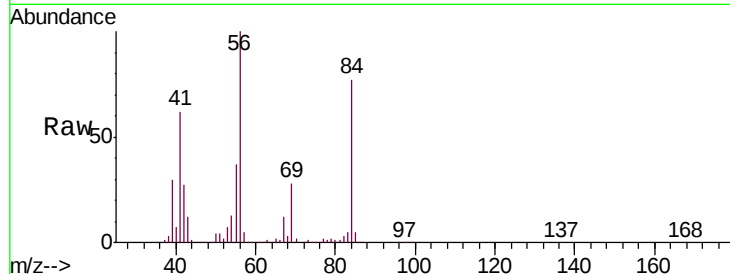




#30
Cyclohexane
Concen: 24.531 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW014930.D
Acq: 07 Feb 2020 19:34

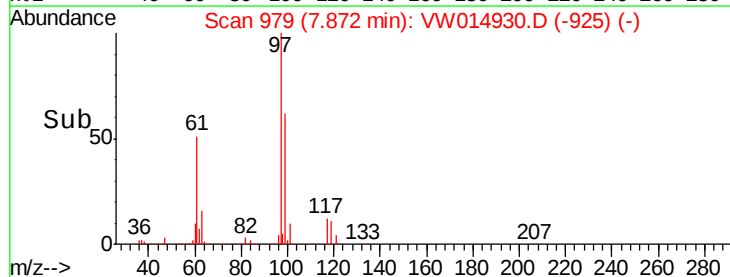
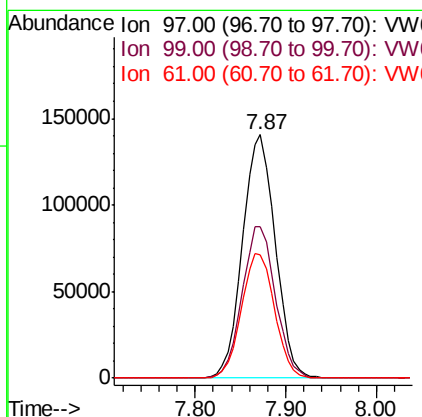
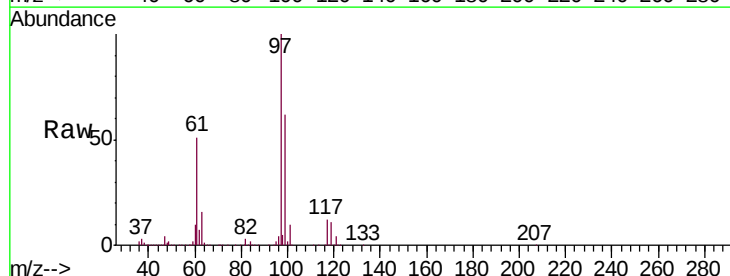
Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

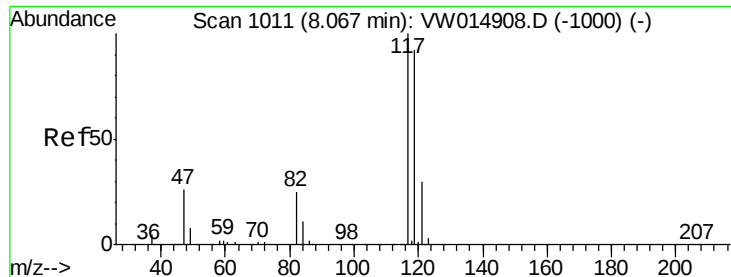
Tgt Ion	Ratio	Lower	Upper
56	100		
69	27.9	22.9	34.3
84	75.4	63.8	95.6



#31
1,1,1-Trichloroethane
Concen: 24.833 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW014930.D
Acq: 07 Feb 2020 19:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.0	76.6
61	52.1	38.9	58.3





#32

Carbon tetrachloride

Concen: 24.643 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW014930.D

Acq: 07 Feb 2020 19:34

Instrument :

MSVOA_W

ClientSampleId :

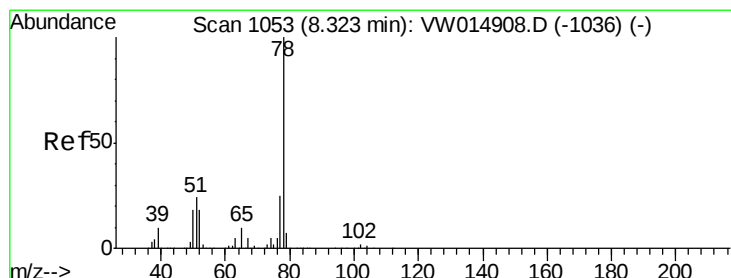
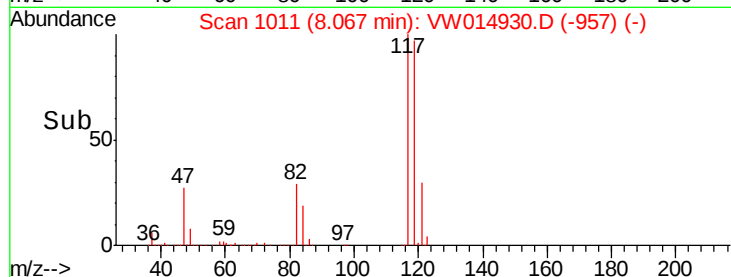
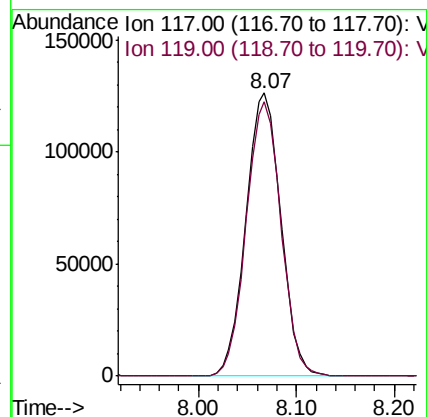
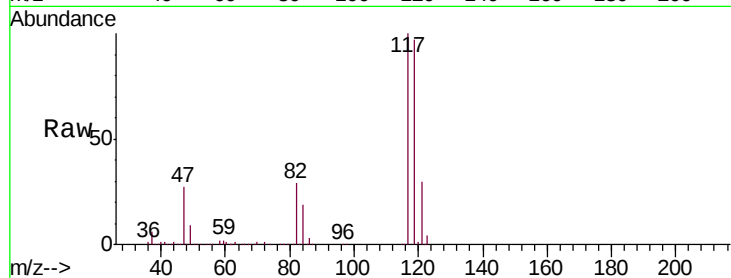
VSTD02518

Tgt Ion:117 Resp: 314510

Ion Ratio Lower Upper

117 100

119 96.3 76.3 114.5



#34

Benzene

Concen: 25.155 ug/L

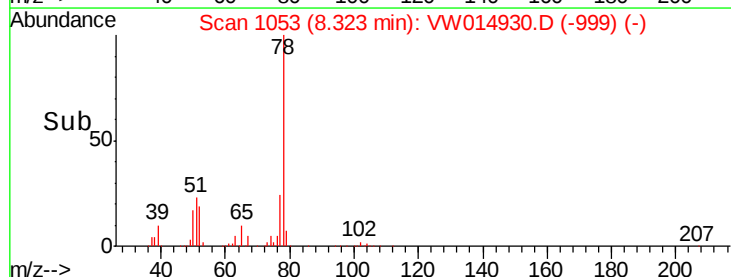
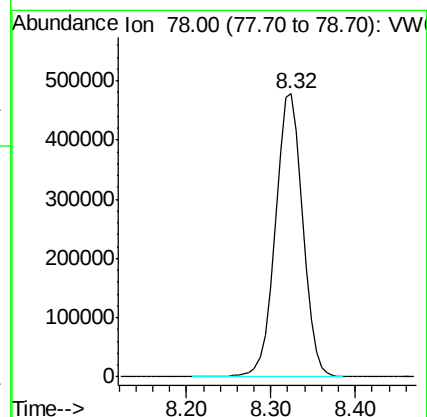
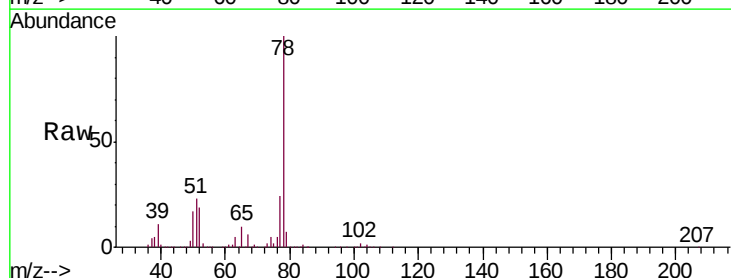
RT: 8.32 min Scan# 1053

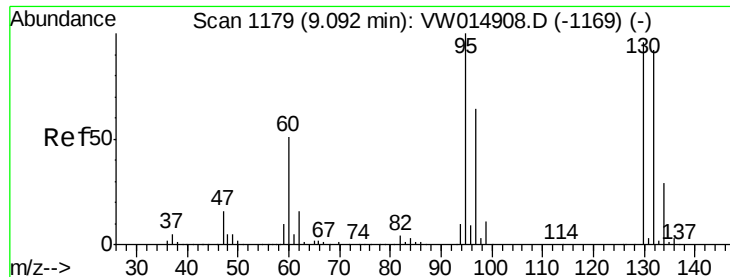
Delta R.T. -0.00 min

Lab File: VW014930.D

Acq: 07 Feb 2020 19:34

Tgt Ion: 78 Resp: 1077071





#35

Trichloroethene

Concen: 23.719 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW014930.D

Acq: 07 Feb 2020 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

Tgt Ion: 95 Resp: 251739

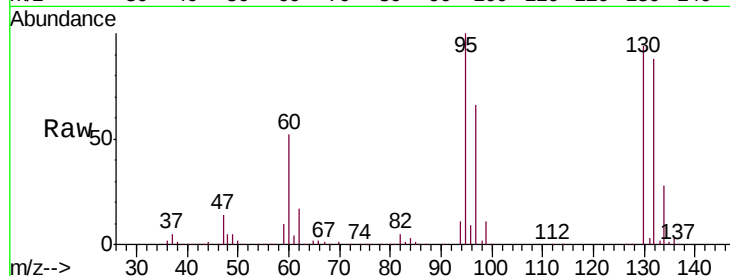
Ion Ratio Lower Upper

95 100

97 64.4 44.4 82.5

132 88.4 63.6 118.0

130 93.3 67.3 124.9



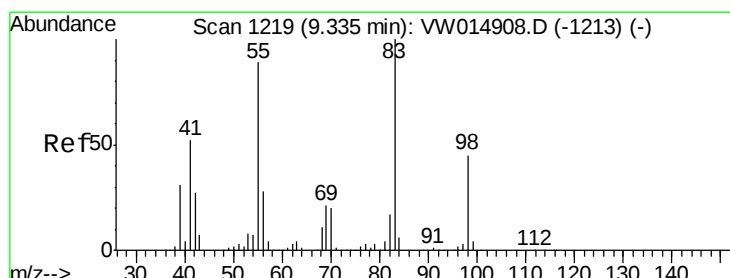
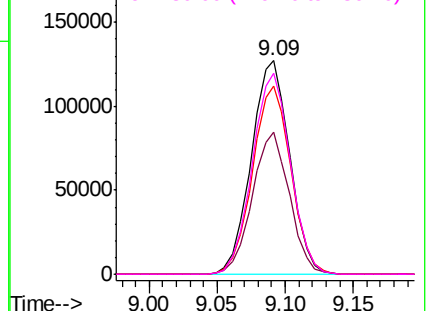
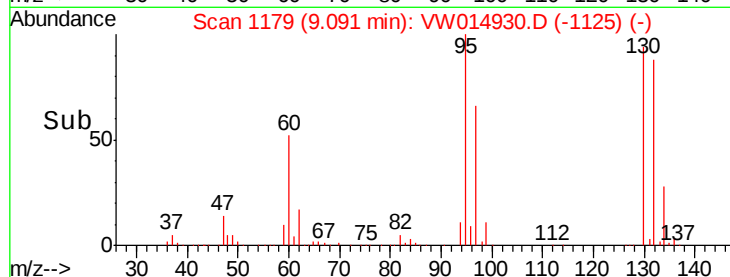
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 23.662 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW014930.D

Acq: 07 Feb 2020 19:34

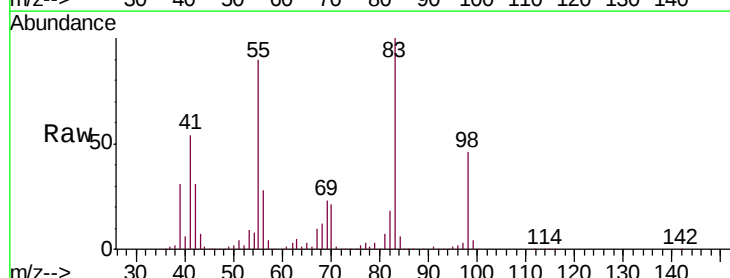
Tgt Ion: 83 Resp: 437472

Ion Ratio Lower Upper

83 100

55 91.6 68.0 102.0

98 46.2 37.8 56.6

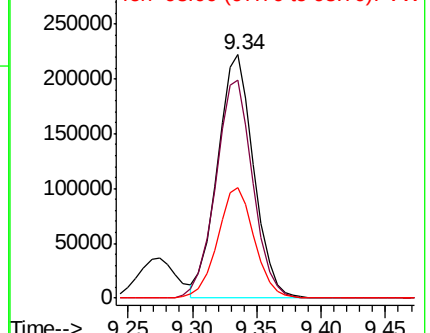
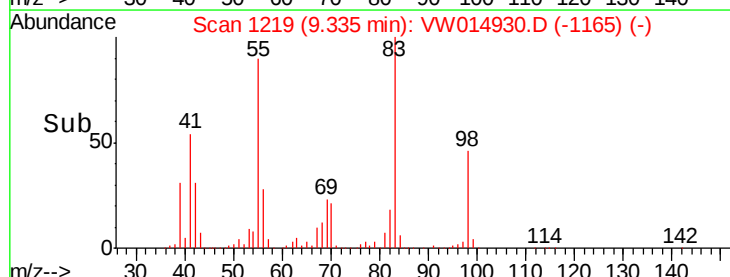


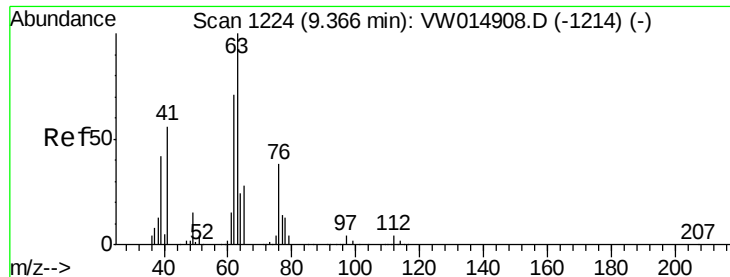
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

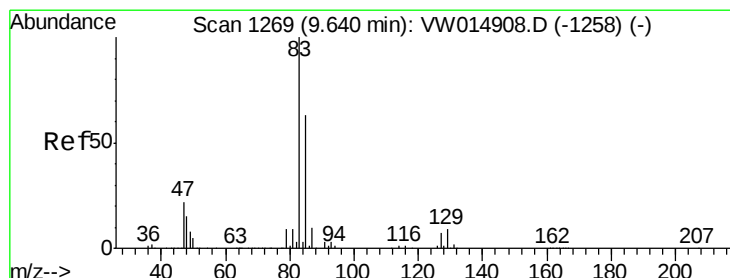
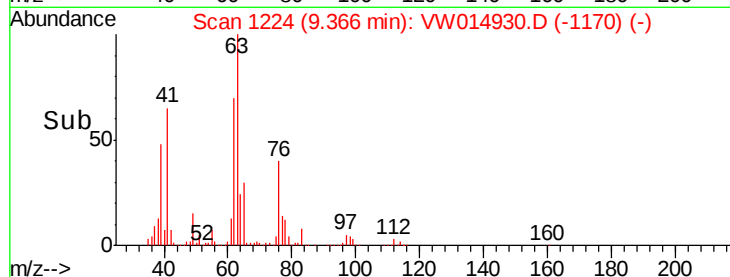
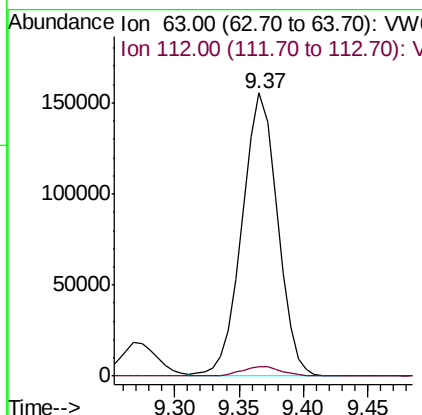
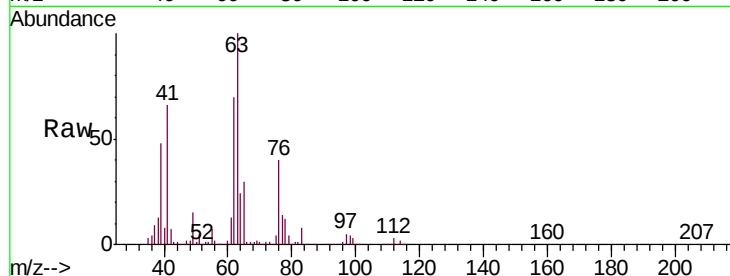




#40
 1,2-Dichloropropane
 Concen: 25.901 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW014930.D
 Acq: 07 Feb 2020 19:34

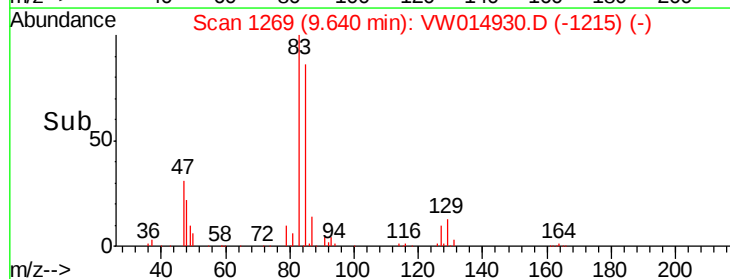
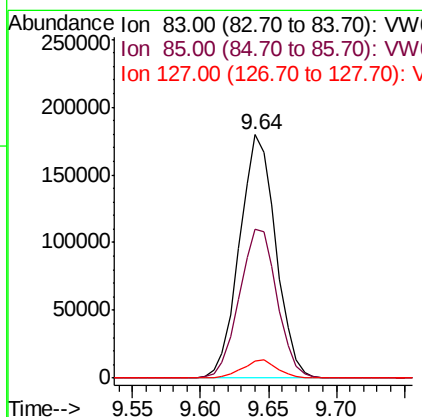
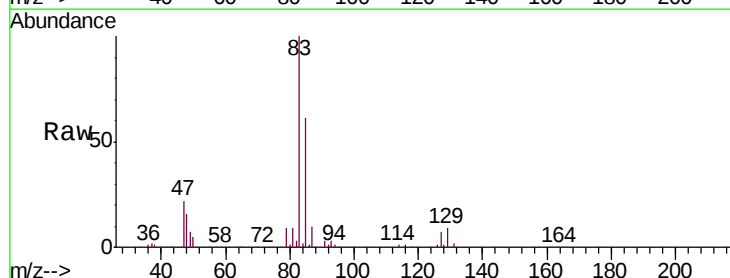
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

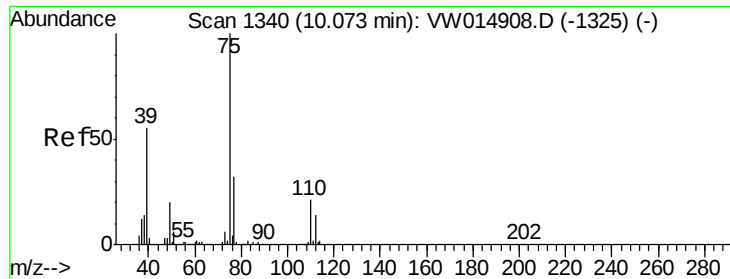
Tgt Ion: 63 Resp: 296783
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.1 4.7



#41
 Bromodichloromethane
 Concen: 25.502 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW014930.D
 Acq: 07 Feb 2020 19:34

Tgt Ion: 83 Resp: 334886
 Ion Ratio Lower Upper
 83 100
 85 61.3 44.2 82.0
 127 7.1 6.0 9.0





#42

cis-1,3-Dichloropropene

Concen: 24.534 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW014930.D

Acq: 07 Feb 2020 19:34

Instrument :

MSVOA_W

ClientSampleId :

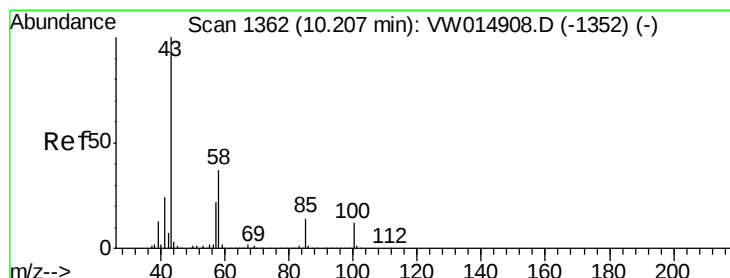
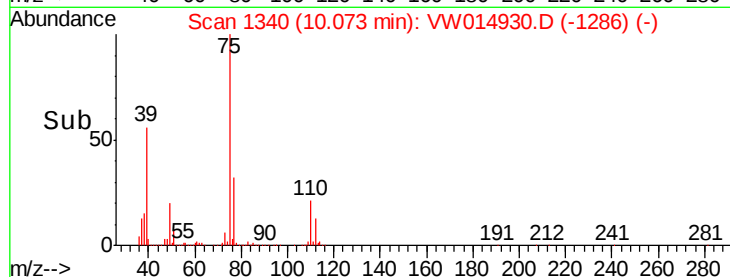
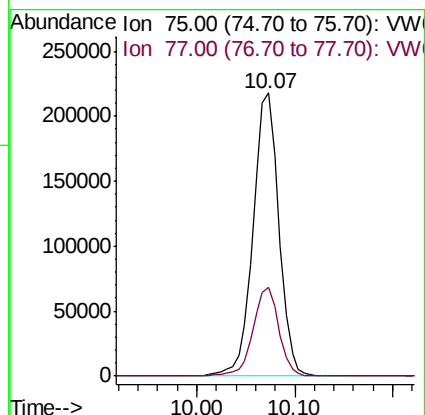
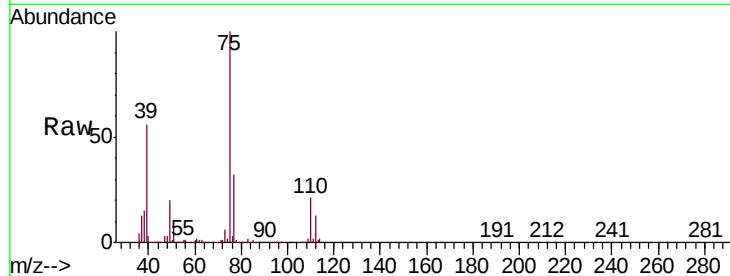
VSTD02518

Tgt Ion: 75 Resp: 399186

Ion Ratio Lower Upper

75 100

77 31.5 22.5 41.9



#43

4-Methyl-2-pentanone

Concen: 53.711 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014930.D

Acq: 07 Feb 2020 19:34

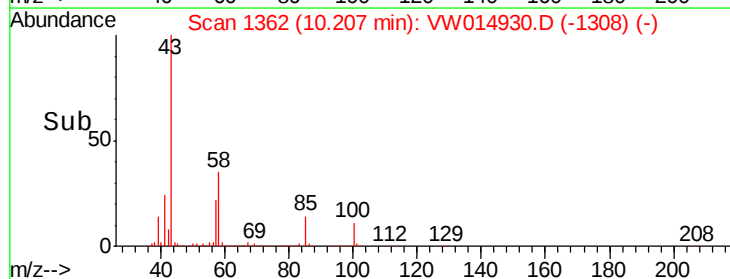
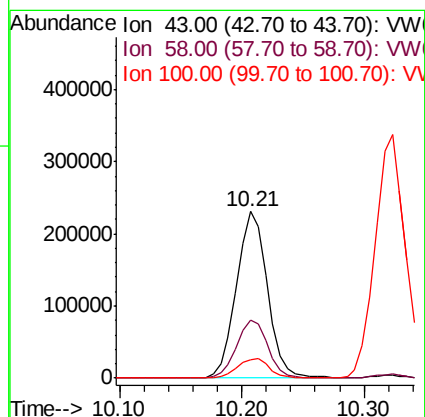
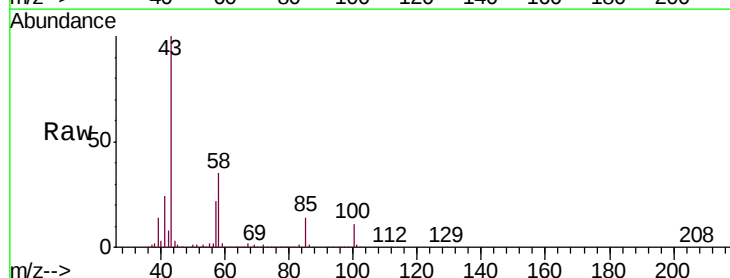
Tgt Ion: 43 Resp: 403554

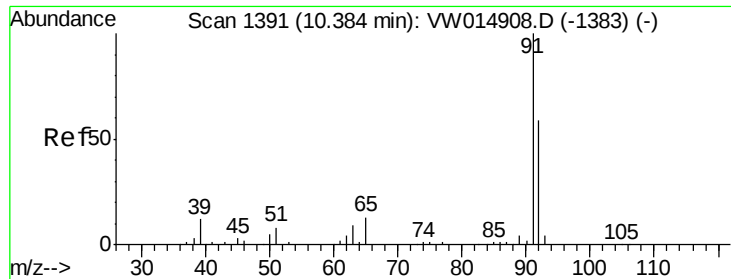
Ion Ratio Lower Upper

43 100

58 35.4 30.0 45.0

100 11.8 10.6 15.8





#44

Toluene

Concen: 25.264 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014930.D

Acq: 07 Feb 2020 19:34

Instrument :

MSVOA_W

ClientSampleId :

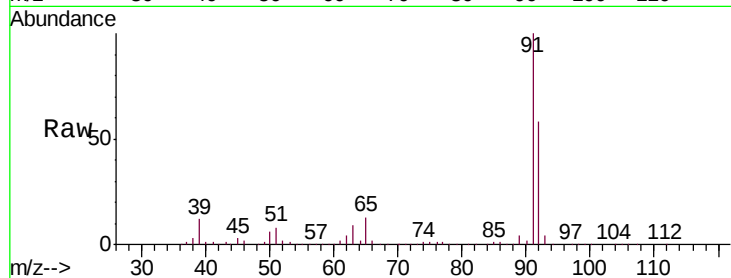
VSTD02518

Tgt Ion: 91 Resp: 1098184

Ion Ratio Lower Upper

91 100

92 58.2 41.4 77.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.38

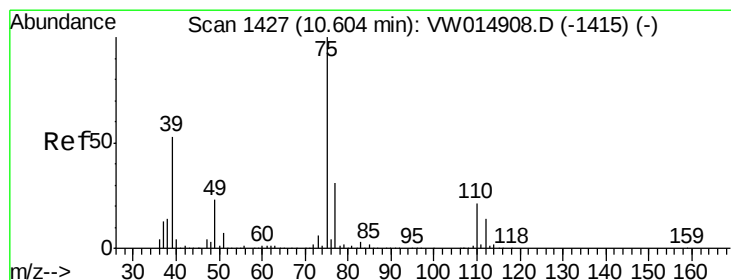
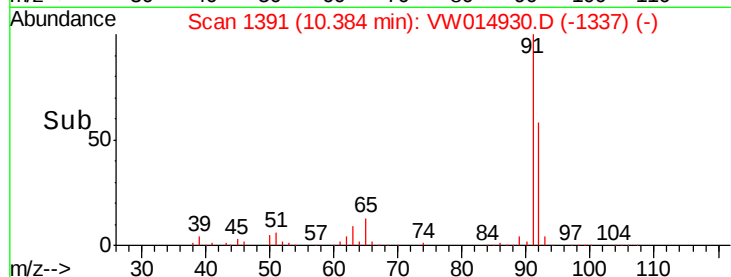
600000

400000

200000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 24.904 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014930.D

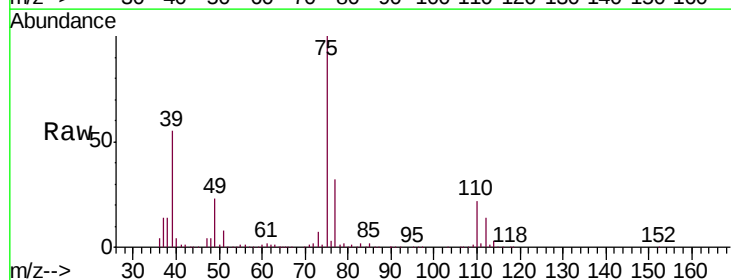
Acq: 07 Feb 2020 19:34

Tgt Ion: 75 Resp: 326309

Ion Ratio Lower Upper

75 100

77 32.0 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.60

200000

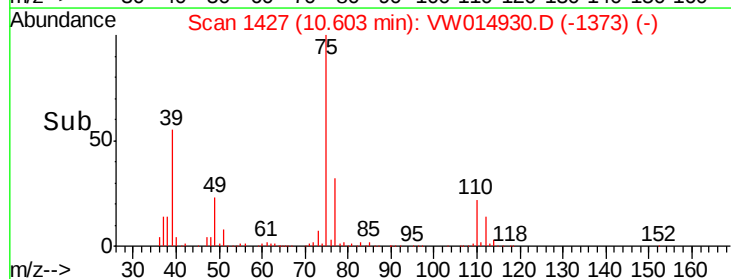
150000

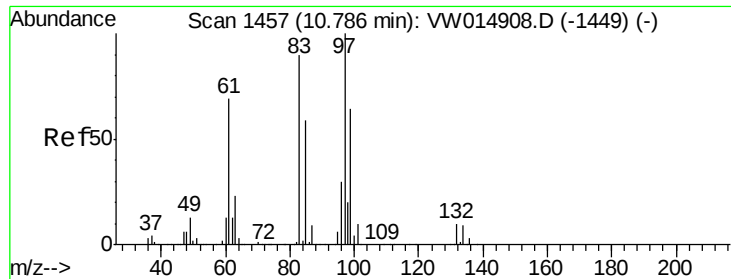
100000

50000

0

Time-->





#46

1,1,2-Trichloroethane

Concen: 24.724 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW014930.D

Acq: 07 Feb 2020 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

Tgt Ion: 97 Resp: 186493

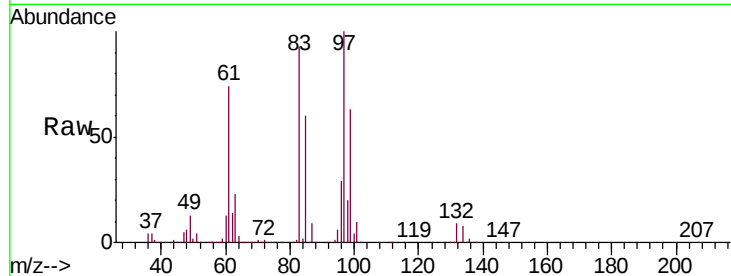
Ion Ratio Lower Upper

97 100

83 93.2 60.8 112.8

85 59.7 39.9 74.1

99 63.1 42.8 79.6

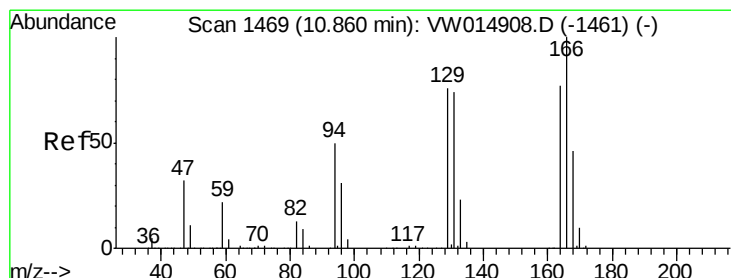
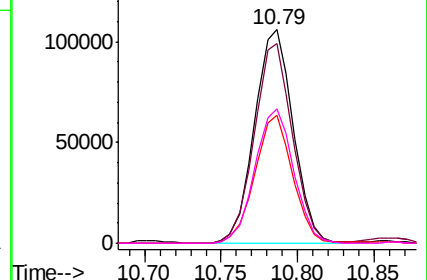
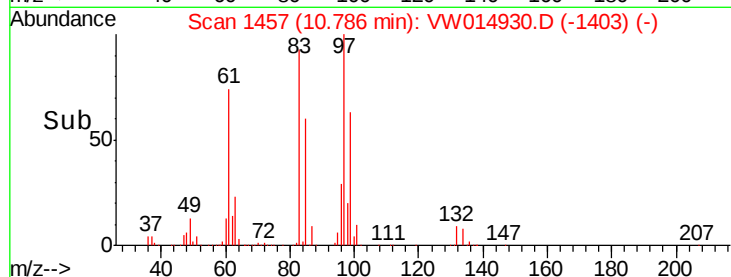


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 22.639 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW014930.D

Acq: 07 Feb 2020 19:34

Tgt Ion: 164 Resp: 176552

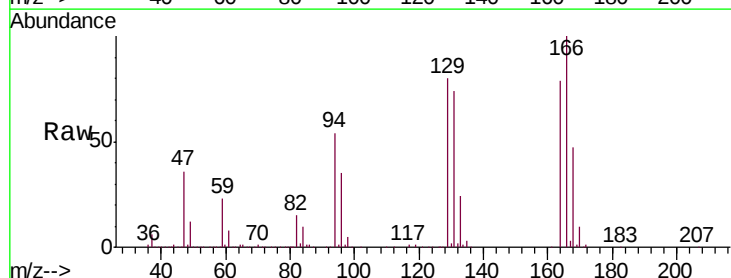
Ion Ratio Lower Upper

164 100

129 100.2 67.5 125.4

131 92.8 64.0 119.0

166 125.9 87.0 161.6

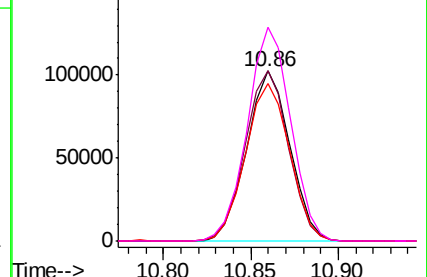
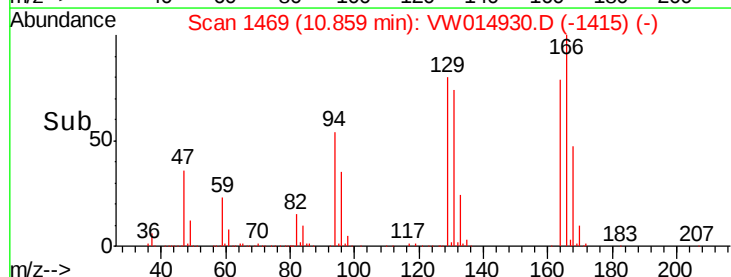


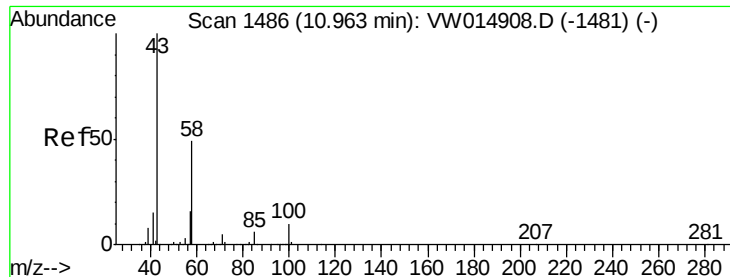
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

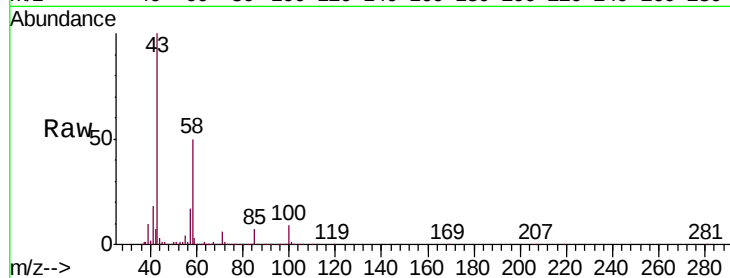




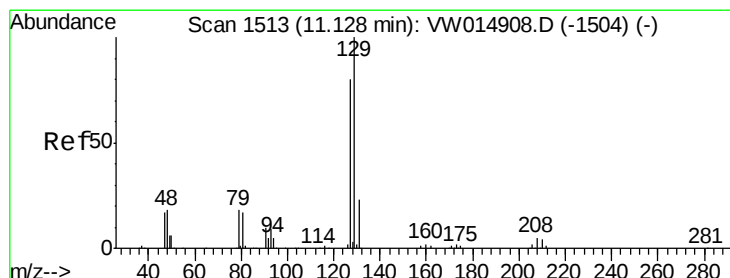
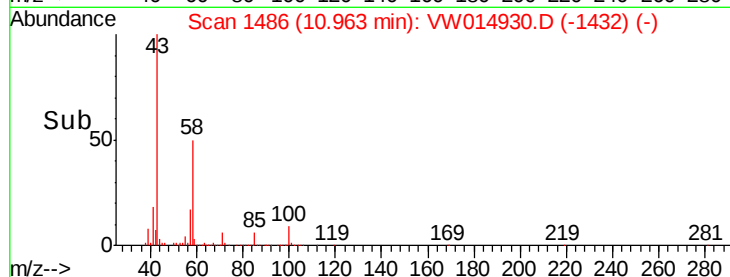
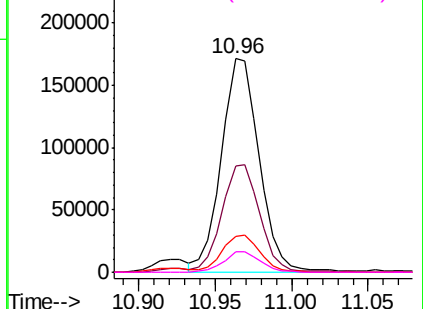
#49
2-Hexanone
Concen: 55.899 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014930.D
Acq: 07 Feb 2020 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

Tgt Ion:	43	Resp:	295014
Ion	Ratio	Lower	Upper
43	100		
58	50.0	42.2	63.2
57	17.0	14.5	21.7
100	9.3	8.6	12.8

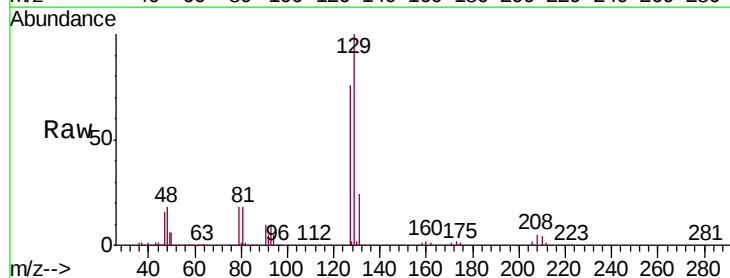


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

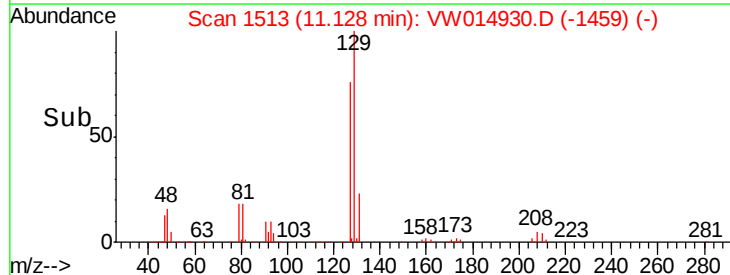
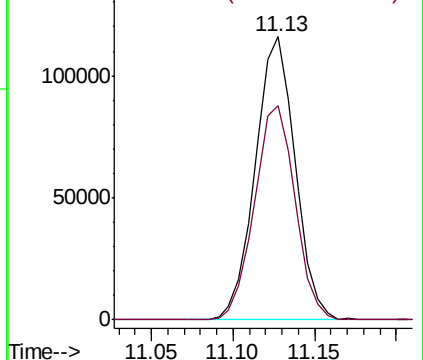


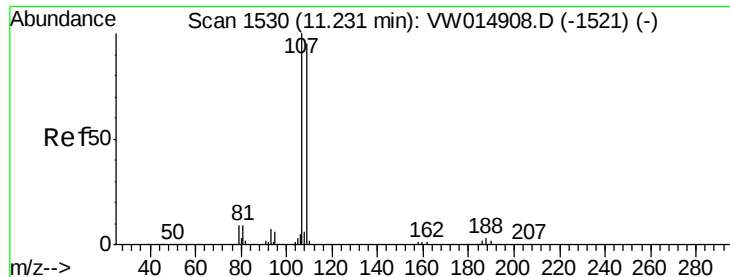
#50
Dibromochloromethane
Concen: 24.388 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014930.D
Acq: 07 Feb 2020 19:34

Tgt Ion:	129	Resp:	197708
Ion	Ratio	Lower	Upper
129	100		
127	75.6	54.1	100.5



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

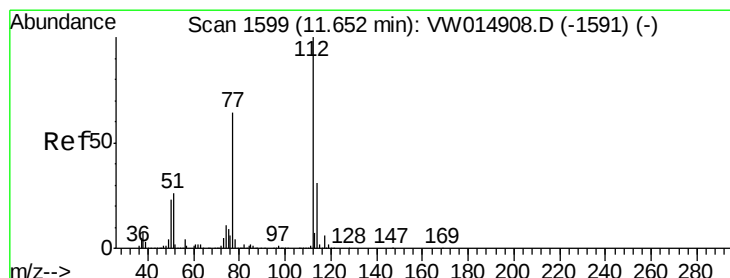
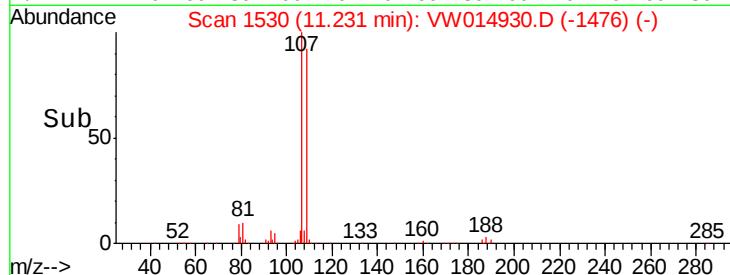
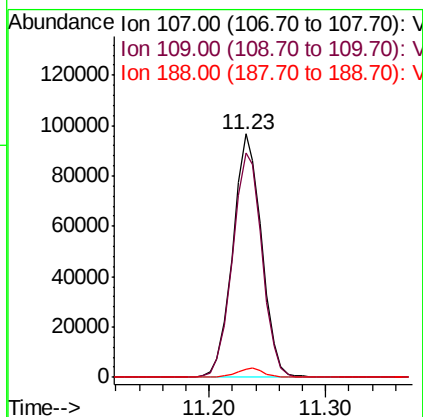
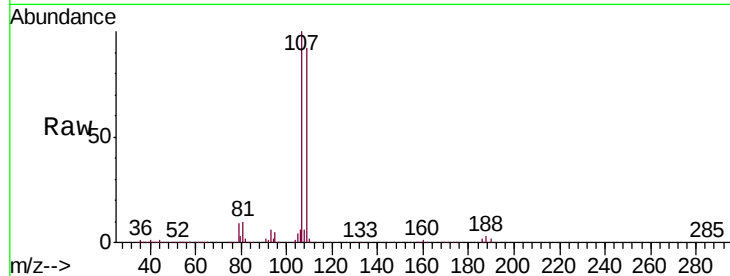




#51
 1,2-Dibromoethane
 Concen: 23.653 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW014930.D
 Acq: 07 Feb 2020 19:34

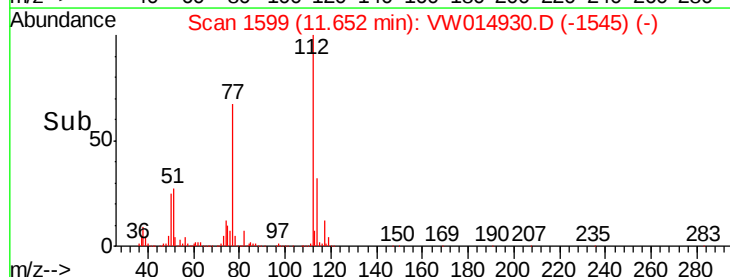
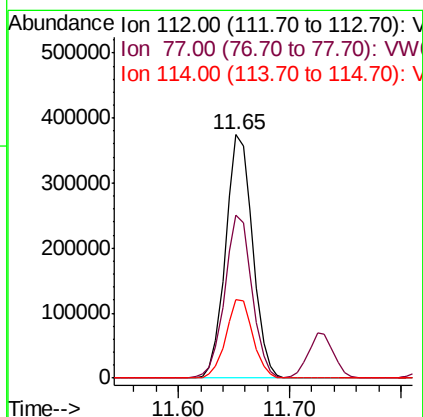
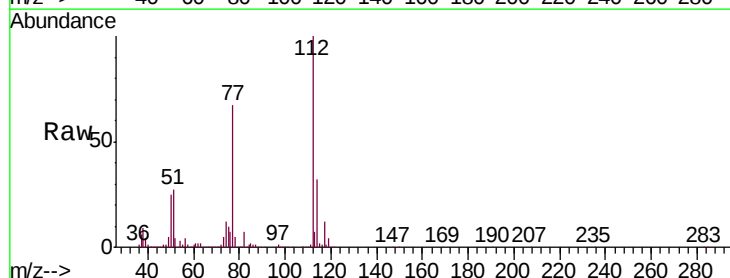
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

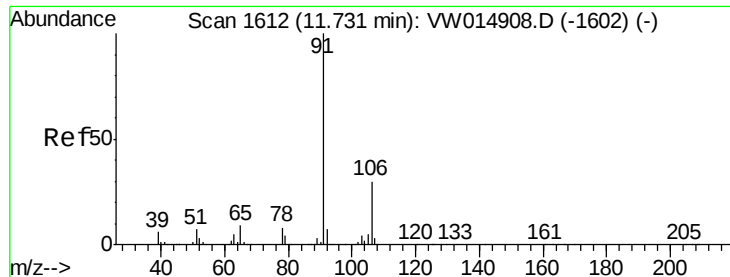
Tgt Ion:107 Resp: 166008
 Ion Ratio Lower Upper
 107 100
 109 92.1 65.0 120.6
 188 3.3 2.4 3.6



#52
 Chlorobenzene
 Concen: 23.622 ug/L
 RT: 11.65 min Scan# 1599
 Delta R.T. -0.00 min
 Lab File: VW014930.D
 Acq: 07 Feb 2020 19:34

Tgt Ion:112 Resp: 627786
 Ion Ratio Lower Upper
 112 100
 77 67.0 49.9 74.9
 114 32.0 22.7 42.1





#53

Ethylbenzene

Concen: 24.989 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW014930.D

Acq: 07 Feb 2020 19:34

Instrument :

MSVOA_W

ClientSampleId :

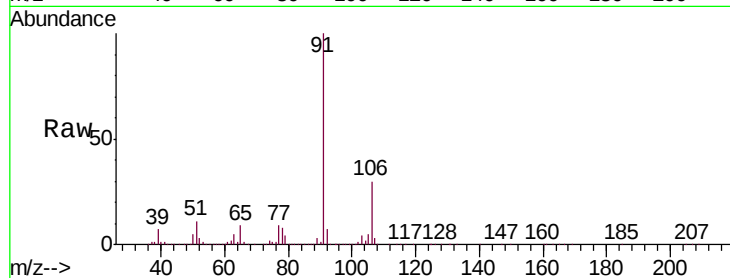
VSTD02518

Tgt Ion: 91 Resp: 1188306

Ion Ratio Lower Upper

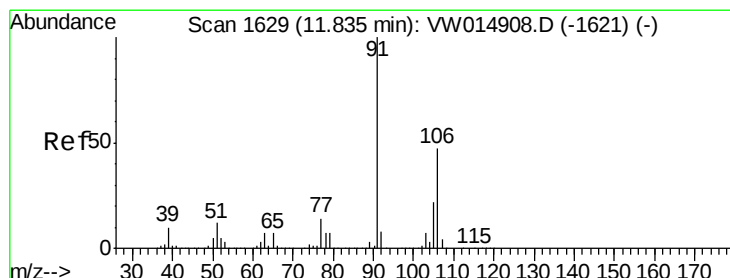
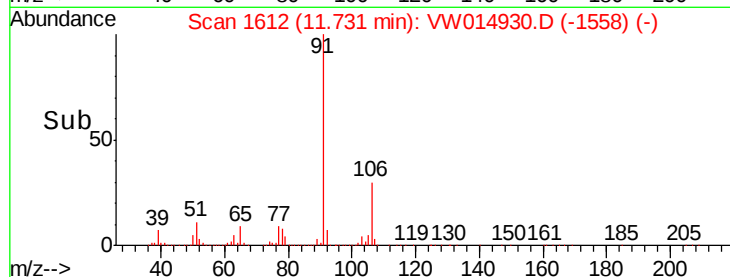
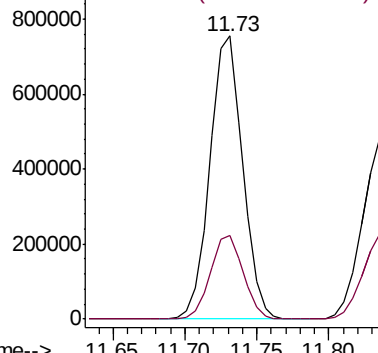
91 100

106 29.7 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 24.547 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW014930.D

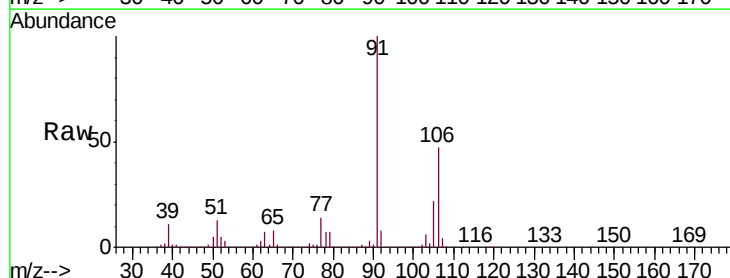
Acq: 07 Feb 2020 19:34

Tgt Ion: 106 Resp: 426383

Ion Ratio Lower Upper

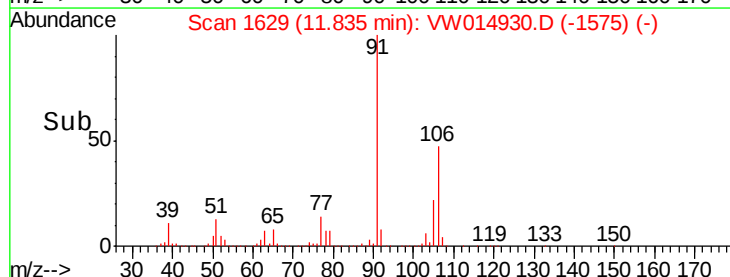
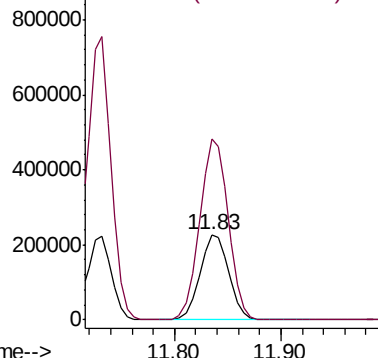
106 100

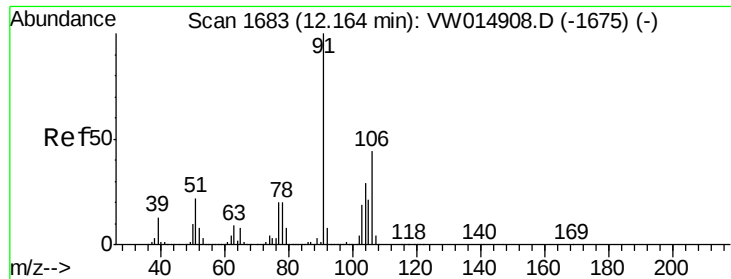
91 212.6 143.4 266.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

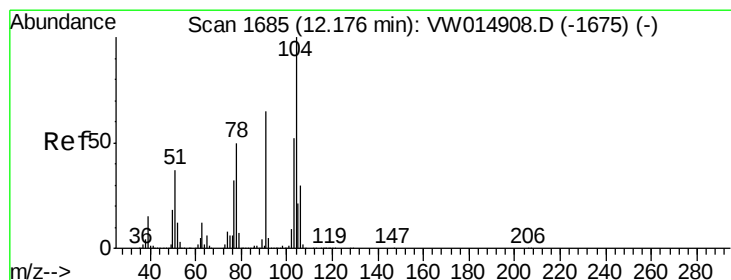
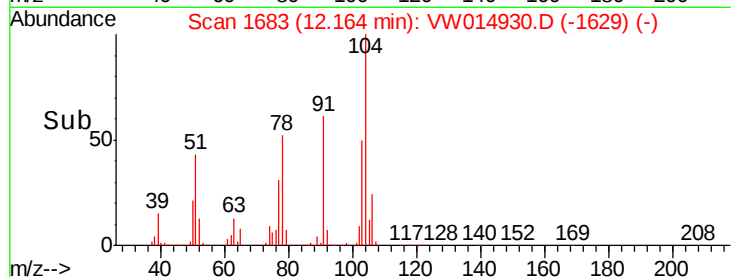
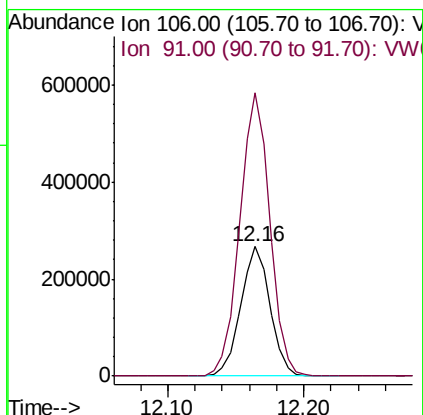
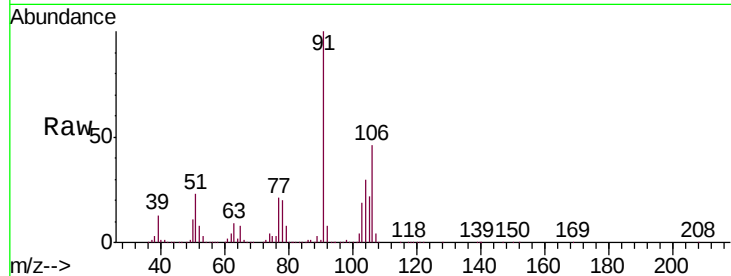




#55
o-xylene
Concen: 24.338 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014930.D
Acq: 07 Feb 2020 19:34

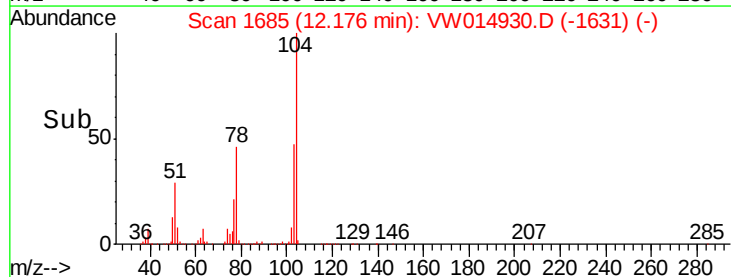
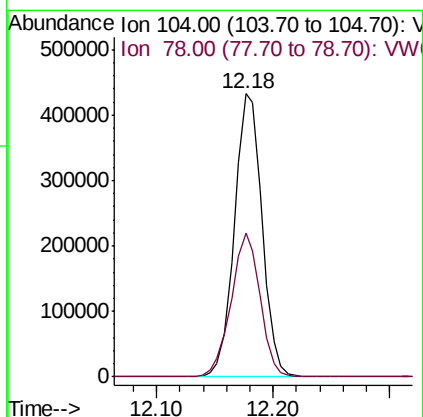
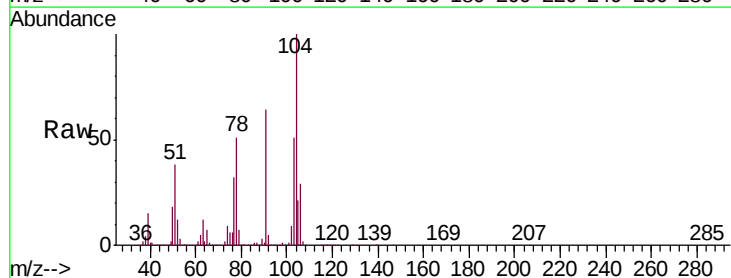
Instrument :
MSVOA_W
ClientSampled :
VSTD02518

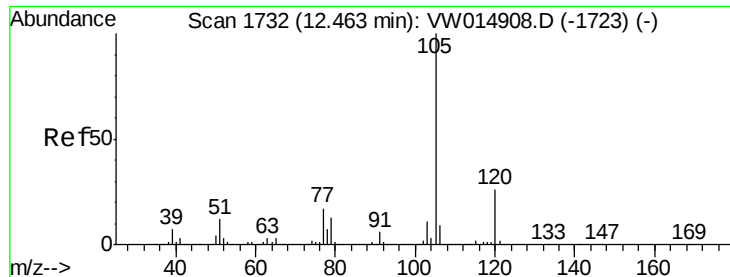
Tgt Ion:106 Resp: 402341
Ion Ratio Lower Upper
106 100
91 219.1 155.0 287.9



#56
Styrene
Concen: 25.563 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014930.D
Acq: 07 Feb 2020 19:34

Tgt Ion:104 Resp: 714215
Ion Ratio Lower Upper
104 100
78 50.7 33.8 62.8





#57

Isopropylbenzene

Concen: 25.005 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014930.D

Acq: 07 Feb 2020 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

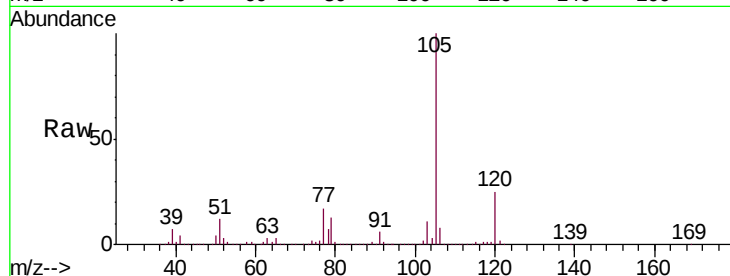
Tgt Ion: 105 Resp: 1110157

Ion Ratio Lower Upper

105 100

120 25.2 20.4 30.6

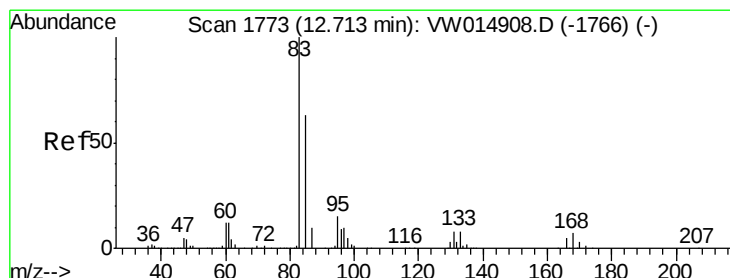
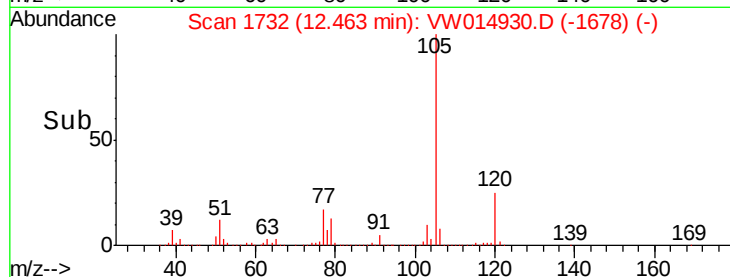
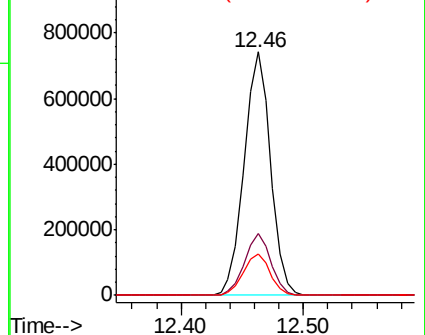
77 17.3 13.1 19.7



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: 26.255 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014930.D

Acq: 07 Feb 2020 19:34

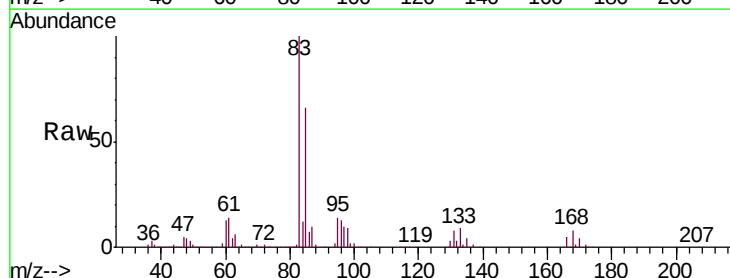
Tgt Ion: 83 Resp: 247198

Ion Ratio Lower Upper

83 100

85 65.8 45.9 85.3

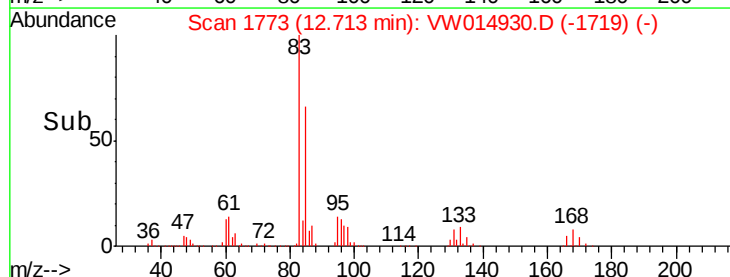
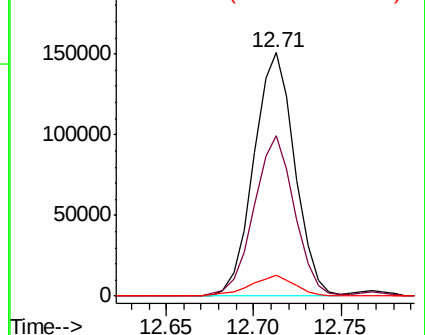
131 8.3 7.3 10.9

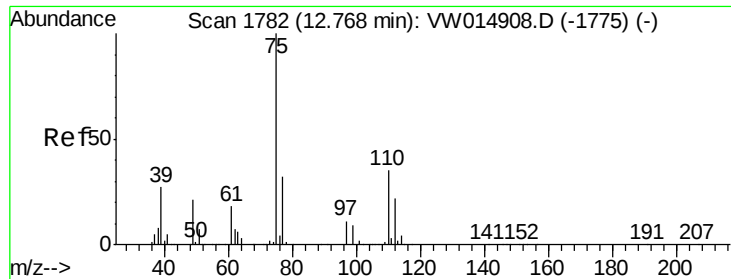


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

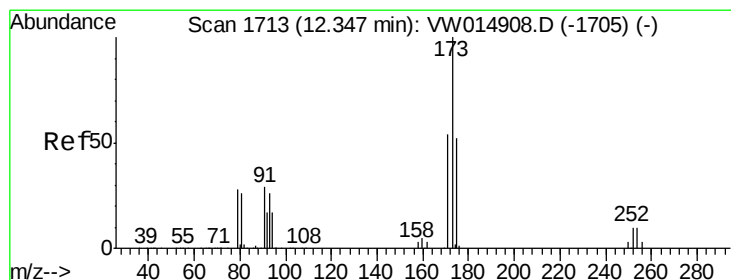
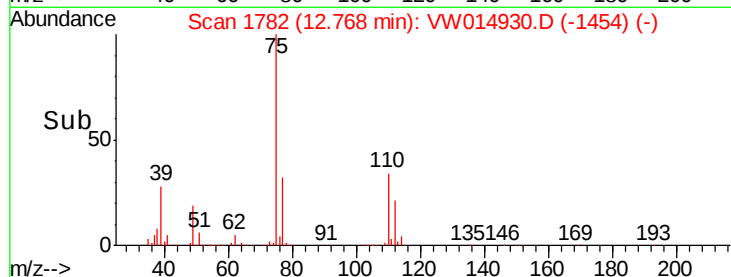
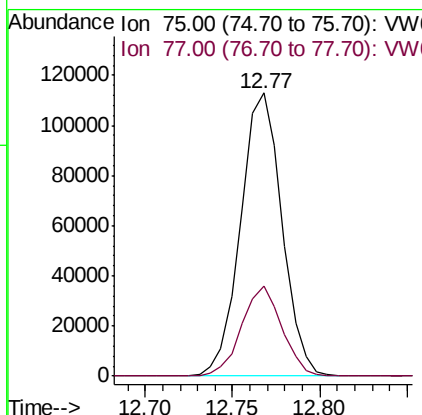
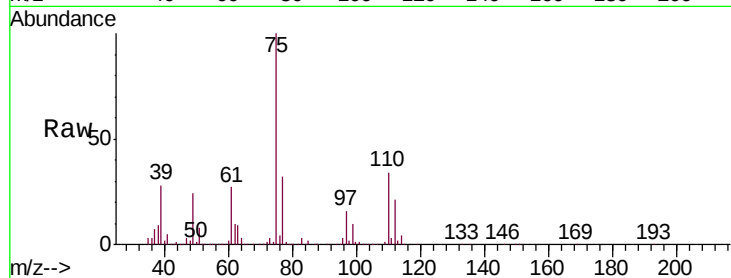




#59
 1,2,3-Trichloropropane
 Concen: 26.097 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW014930.D
 Acq: 07 Feb 2020 19:34

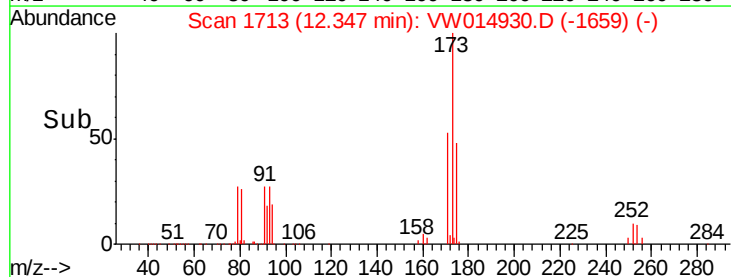
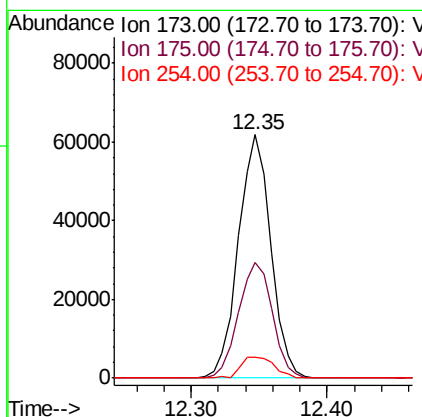
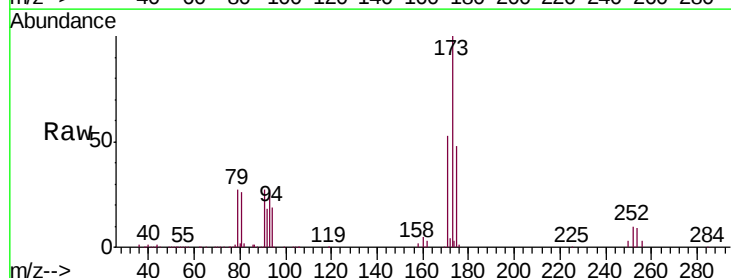
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

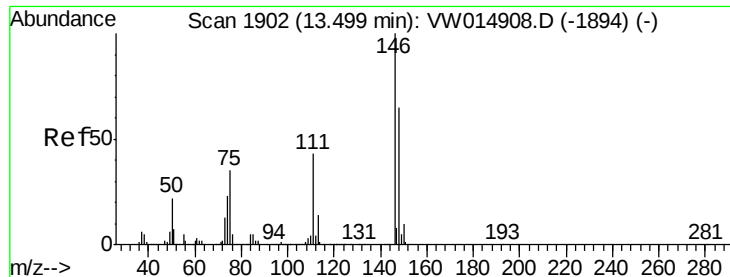
Tgt Ion: 75 Resp: 184854
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.9 38.9



#62
 Bromoform
 Concen: 23.028 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW014930.D
 Acq: 07 Feb 2020 19:34

Tgt Ion: 173 Resp: 102918
 Ion Ratio Lower Upper
 173 100
 175 49.6 38.9 58.3
 254 8.9 7.8 11.8

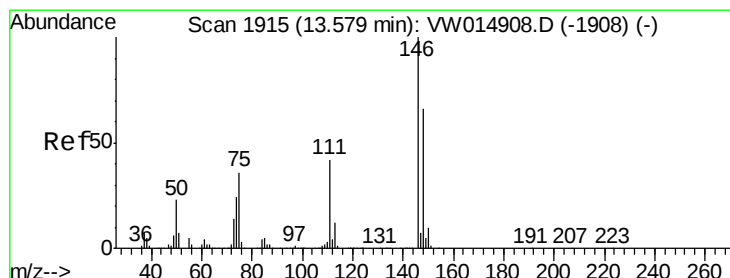
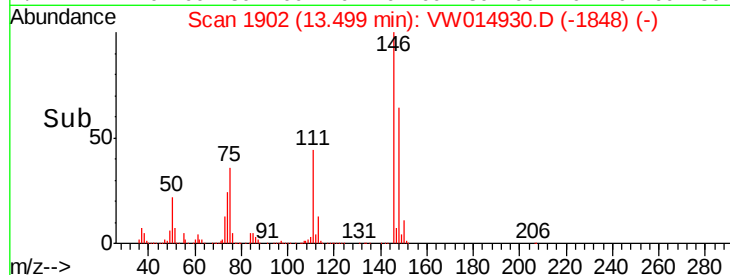
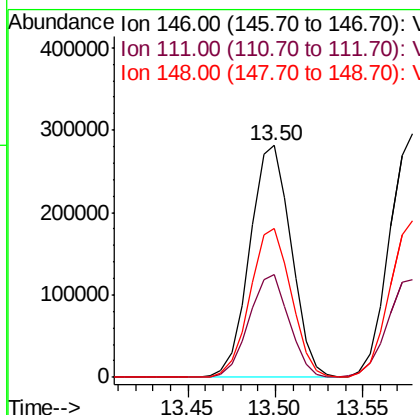
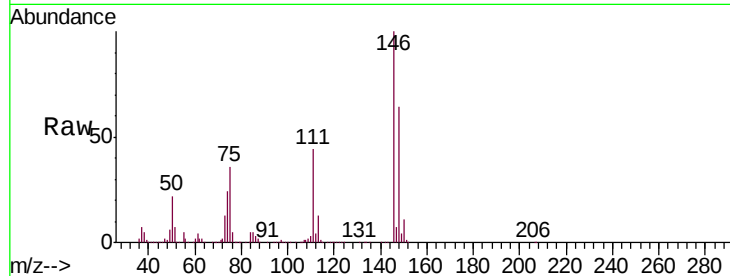




#63
 1,3-Dichlorobenzene
 Concen: 23.310 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014930.D
 Acq: 07 Feb 2020 19:34

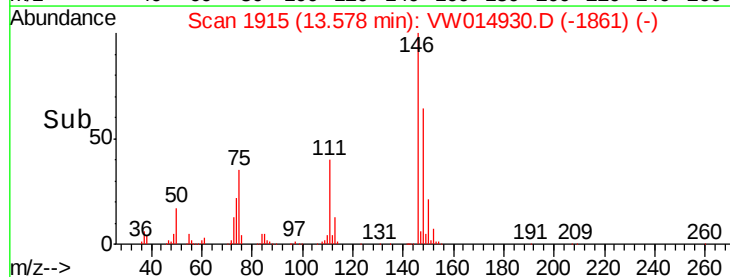
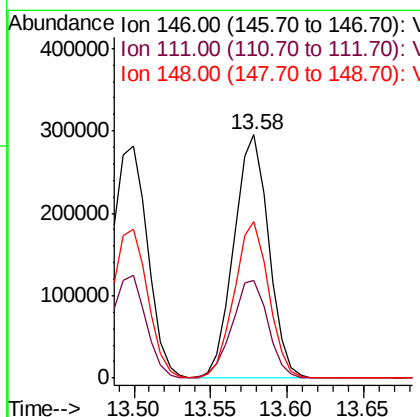
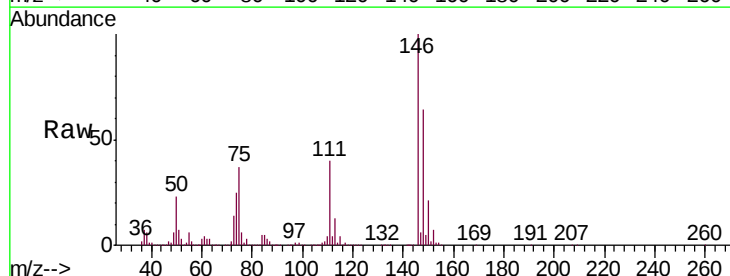
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

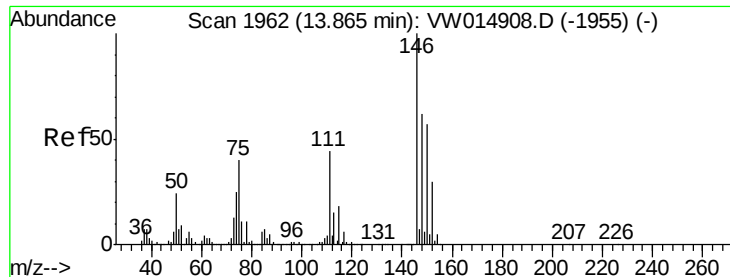
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.4	28.6	53.0
148	64.4	43.3	80.5



#64
 1,4-Dichlorobenzene
 Concen: 23.341 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014930.D
 Acq: 07 Feb 2020 19:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	27.9	51.7
148	64.2	44.0	81.8

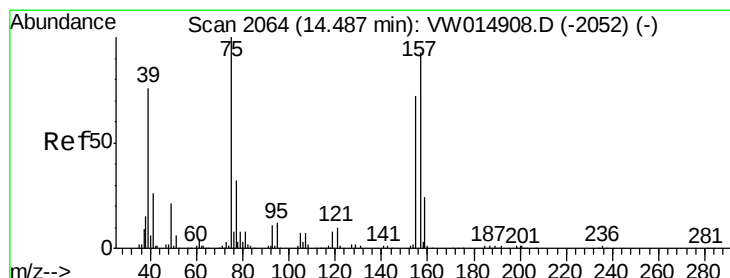
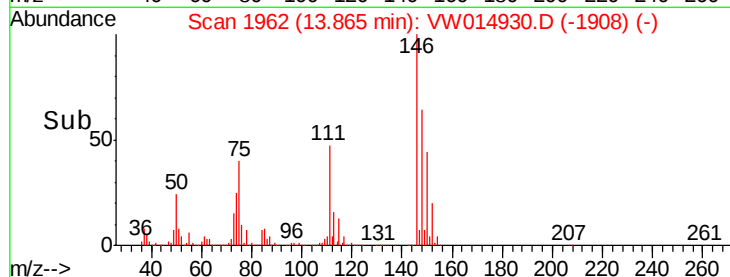
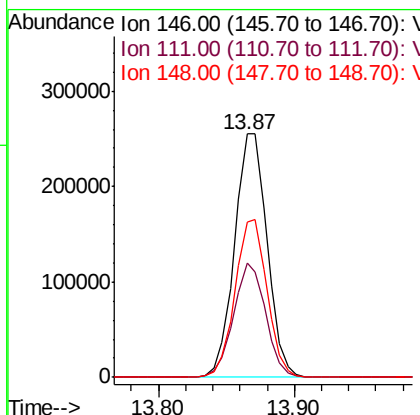
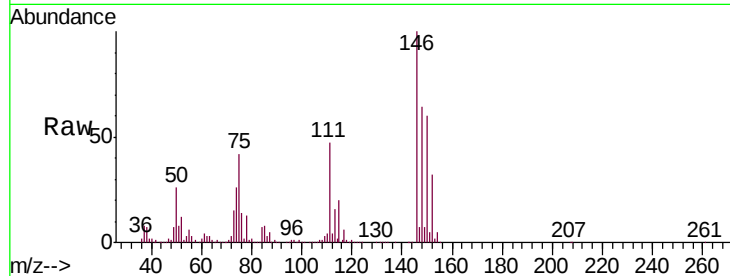




#65
 1,2-Dichlorobenzene
 Concen: 23.439 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.00 min
 Lab File: VW014930.D
 Acq: 07 Feb 2020 19:34

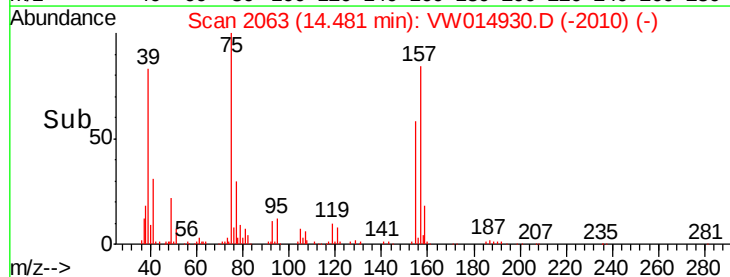
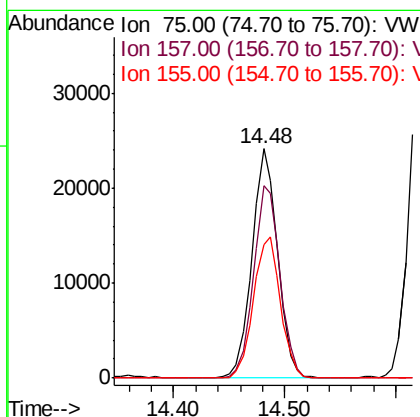
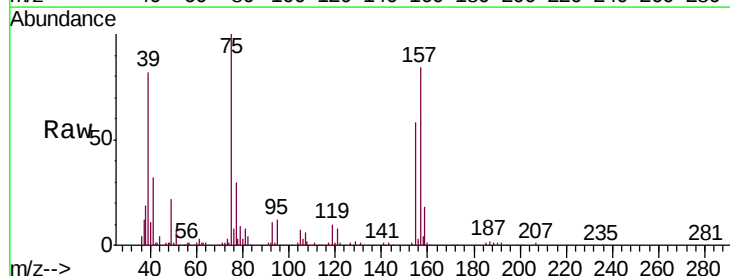
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

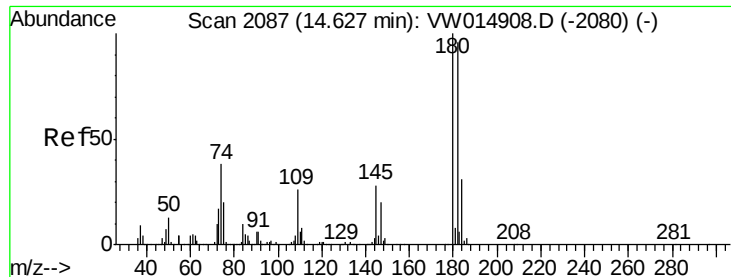
Tgt Ion:146 Resp: 424574
 Ion Ratio Lower Upper
 146 100
 111 46.7 35.0 52.6
 148 63.9 51.1 76.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.156 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW014930.D
 Acq: 07 Feb 2020 19:34

Tgt Ion: 75 Resp: 38853
 Ion Ratio Lower Upper
 75 100
 157 83.6 74.2 111.4
 155 58.1 56.1 84.1





#67

1,3,5-Trichlorobenzene

Concen: 22.455 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. -0.00 min

Lab File: VW014930.D

Acq: 07 Feb 2020 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

Tgt Ion:180 Resp: 318485

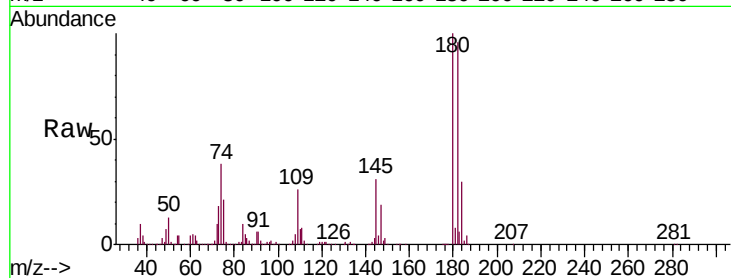
Ion Ratio Lower Upper

180 100

182 96.0 75.5 113.3

184 29.8 24.6 36.8

145 31.2 23.7 35.5

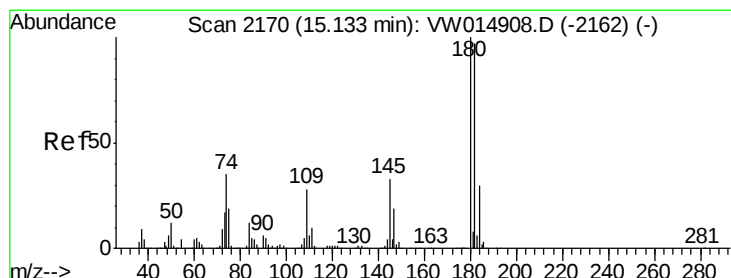
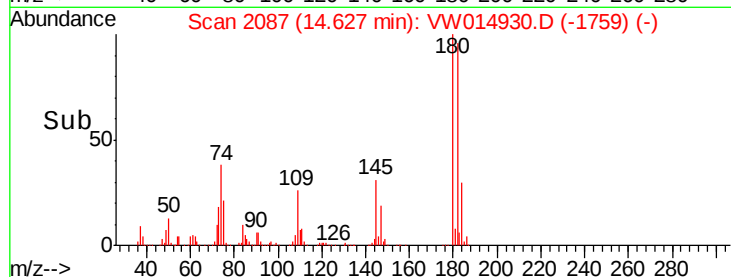
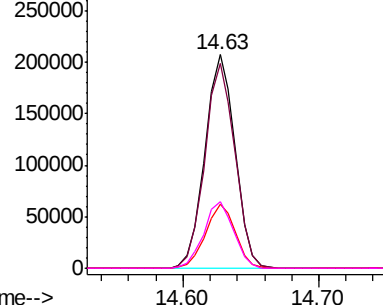


Abundance Ion 180.00 (179.70 to 180.70): V

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: 22.432 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW014930.D

Acq: 07 Feb 2020 19:34

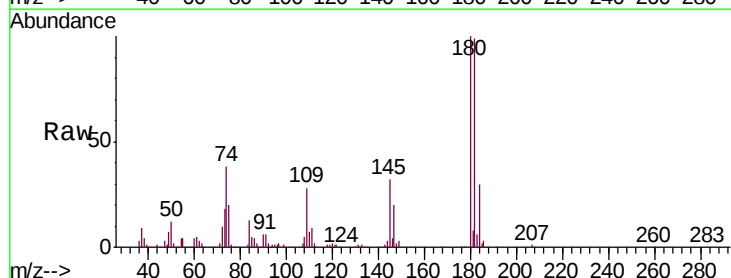
Tgt Ion:180 Resp: 251379

Ion Ratio Lower Upper

180 100

182 94.3 76.4 114.6

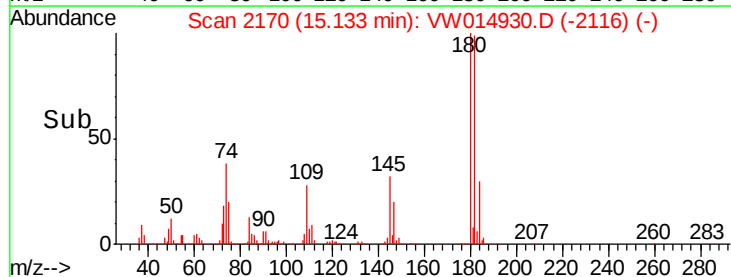
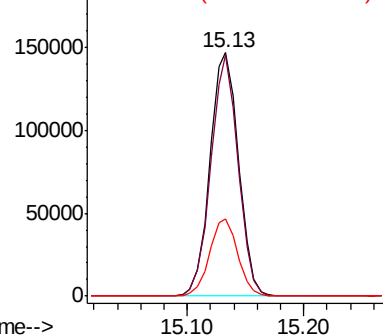
145 31.0 24.6 37.0

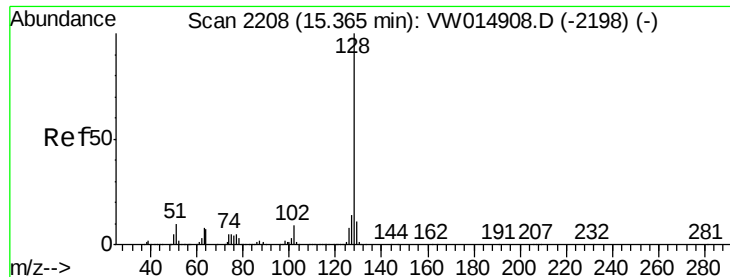


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 22.639 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014930.D

Acq: 07 Feb 2020 19:34

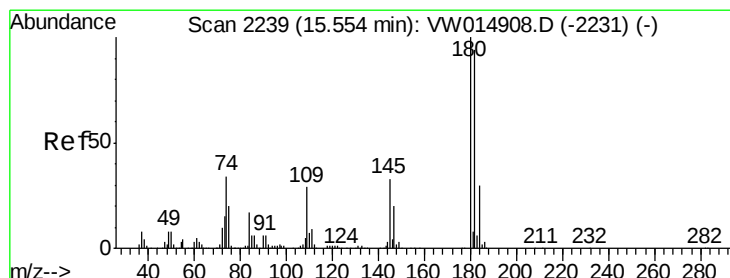
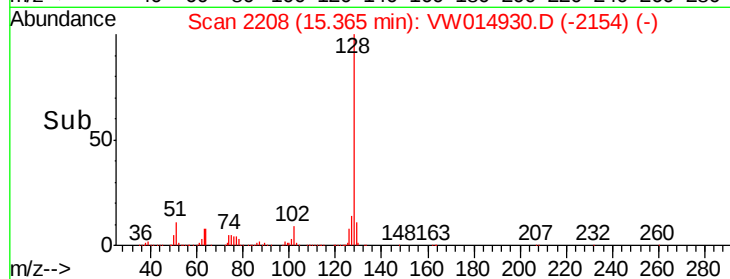
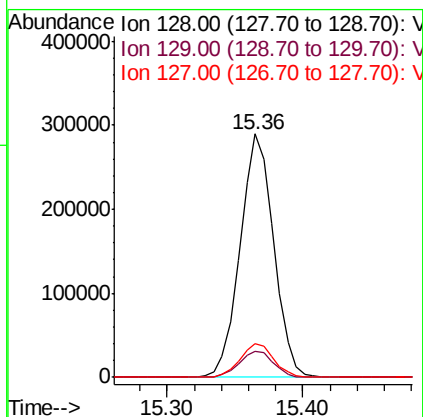
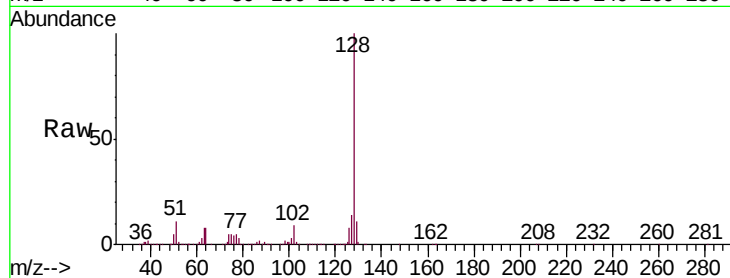
Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

Tgt Ion:	128	Resp:	499047
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	13.8	10.5	15.7



#70

1,2,3-Trichlorobenzene

Concen: 23.192 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014930.D

Acq: 07 Feb 2020 19:34

Tgt Ion:	180	Resp:	239978
Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.3	112.9
145	32.9	26.0	39.0

