

Data File : VW017403.D
Acq On : 20 Nov 2020 05:02
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

Quant Time: Nov 20 06:21:23 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 20 04:37:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	371898	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	379525	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	196550	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	122059	22.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.68%
7) Chloroethane-d5	2.89	69	109184	24.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.84%
10) 1,1-Dichloroethene-d2	4.03	63	212730	22.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.36%
20) 2-Butanone-d5	7.09	46	44579	49.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.60%
24) Chloroform-d	7.65	84	233827	23.93	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.72%
26) 1,2-Dichloroethane-d4	8.31	65	121643	25.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.08%
29) Benzene-d6	8.27	84	460385	21.52	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.08%
33) 1,2-Dichloropropane-d6	9.27	67	125881	22.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.36%
37) Toluene-d8	10.32	98	463638	23.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.08%
38) trans-1,3-Dichloropropene-	10.58	79	58903	23.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.96%
39) 2-Hexanone-d5	10.93	63	38769	50.73	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.46%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	113904	26.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.48%
61) 1,2-Dichlorobenzene-d4	13.85	152	183068	25.23	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.92%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	61010	17.656	ug/L 99
3) Chloromethane	2.21	50	99004	26.348	ug/L 99
5) Vinyl chloride	2.36	62	145154	26.302	ug/L 99
6) Bromomethane	2.78	94	108677	26.226	ug/L 100
8) Chloroethane	2.92	64	93019	26.930	ug/L 100
9) Trichlorofluoromethane	3.26	101	121383	24.719	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	133479	26.192	ug/L 99
12) 1,1-Dichloroethene	4.05	96	121561	24.836	ug/L 91
13) Acetone	4.15	43	27841	42.202	ug/L 96
14) Carbon disulfide	4.39	76	357626	24.876	ug/L 100
15) Methyl Acetate	4.68	43	38668	26.763	ug/L 100
16) Methylene chloride	4.92	84	134061	21.074	ug/L 91
17) Methyl tert-butyl Ether	5.43	73	165948	28.774	ug/L 100
18) trans-1,2-Dichloroethene	5.43	96	125377	23.933	ug/L 96
19) 1,1-Dichloroethane	6.21	63	195948	24.453	ug/L 98
21) 2-Butanone	7.18	43	46109	45.593	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	135304	25.431	ug/L 97

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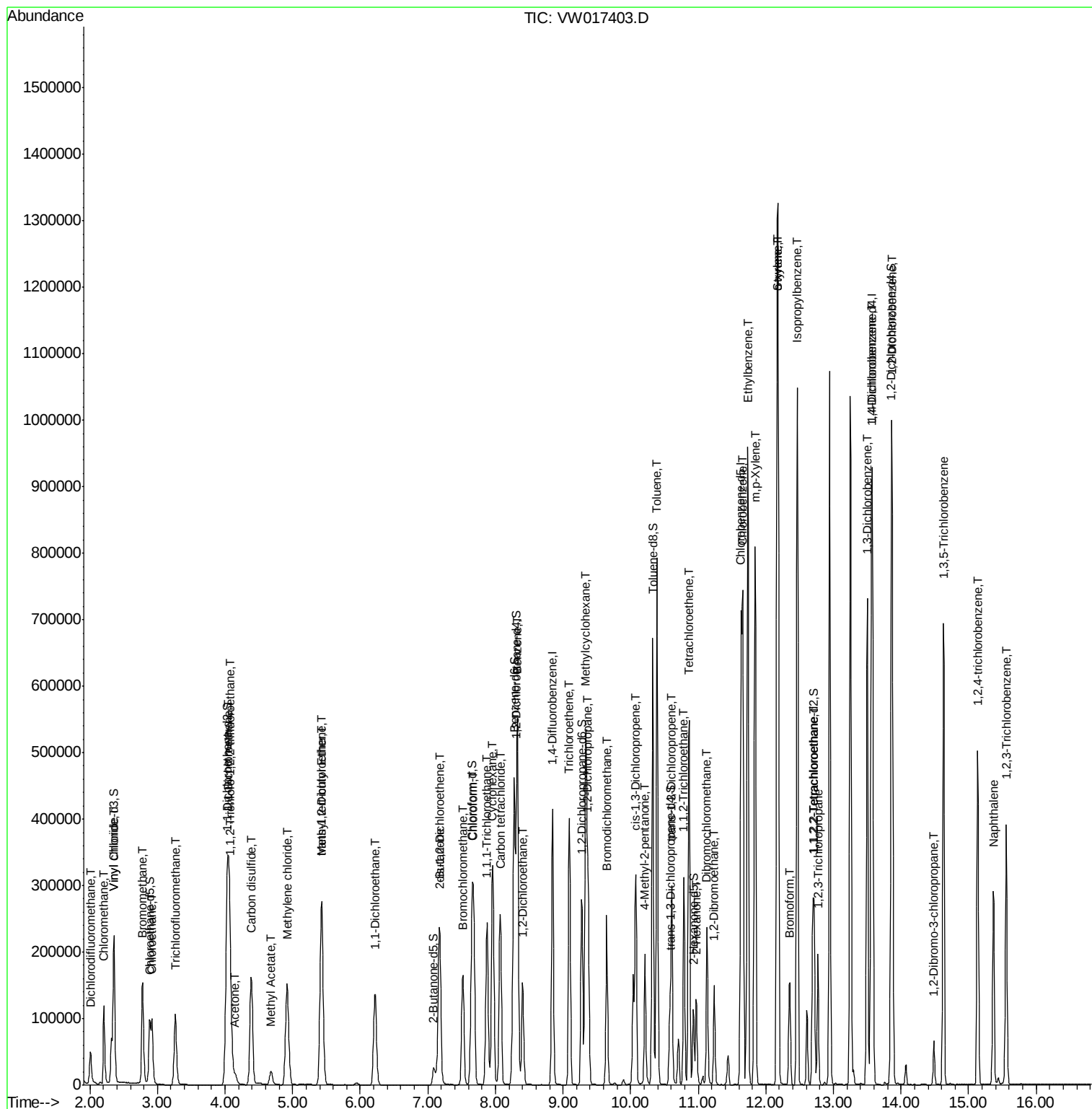
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	66351	26.579	ug/L	97
25) Chloroform	7.68	83	226381	25.260	ug/L	99
27) 1,2-Dichloroethane	8.40	62	141054	27.159	ug/L	98
30) Cyclohexane	7.96	56	177100	23.286	ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	203103	22.867	ug/L	99
32) Carbon tetrachloride	8.07	117	199048	23.480	ug/L	98
34) Benzene	8.32	78	483719	22.561	ug/L	100
35) Trichloroethene	9.09	95	135528	22.346	ug/L	98
36) Methylcyclohexane	9.34	83	230862	23.824	ug/L	99
40) 1,2-Dichloropropane	9.37	63	116103	23.940	ug/L	100
41) Bromodichloromethane	9.65	83	169014	24.815	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	188581	25.054	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	116985	48.601	ug/L	100
44) Toluene	10.39	91	587719	24.712	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	163392	25.622	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	100955	26.424	ug/L	99
47) Tetrachloroethene	10.87	164	127049	23.105	ug/L	94
49) 2-Hexanone	10.97	43	75178	51.892	ug/L	99
50) Dibromochloromethane	11.13	129	126222	25.839	ug/L	96
51) 1,2-Dibromoethane	11.24	107	97100	25.909	ug/L	95
52) Chlorobenzene	11.66	112	392425	24.780	ug/L	99
53) Ethylbenzene	11.73	91	678110	25.426	ug/L	96
54) m,p-Xylene	11.84	106	260690	25.367	ug/L	91
55) o-xylene	12.17	106	249996	25.635	ug/L	94
56) Styrene	12.18	104	427652	26.452	ug/L	99
57) Isopropylbenzene	12.46	105	691352	25.887	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	112609	27.212	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	78626	26.310	ug/L	98
62) Bromoform	12.35	173	74985	27.114	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	314792	24.576	ug/L	92
64) 1,4-Dichlorobenzene	13.58	146	312701	24.743	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	291390	26.173	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	14902	24.016	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	227929	24.459	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	166896	23.336	ug/L	99
69) Naphthalene	15.36	128	258617	25.187	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	141745	22.529	ug/L	98

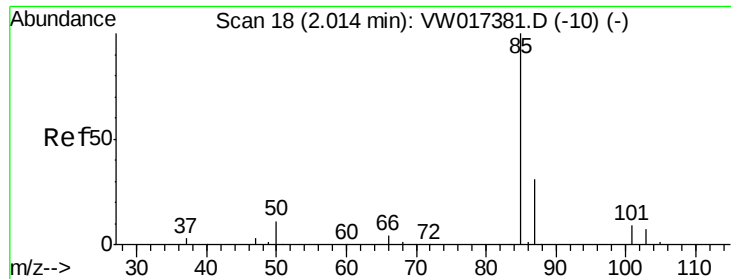
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 17.656 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW017403.D

Acq: 20 Nov 2020 05:02

Instrument :

MSVOA_W

ClientSampleId :

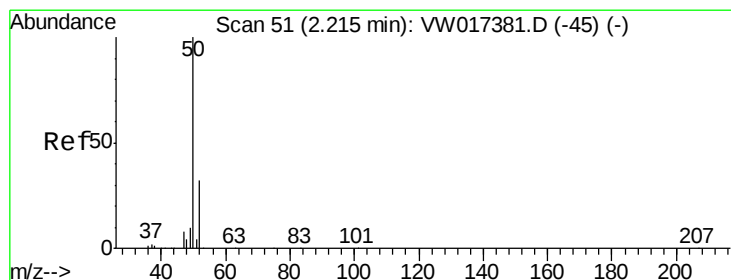
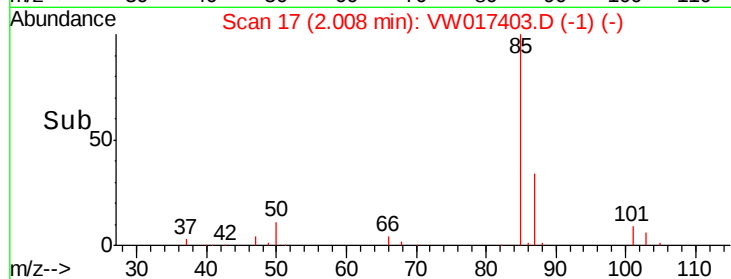
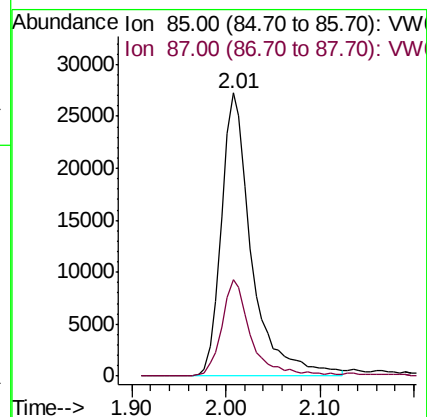
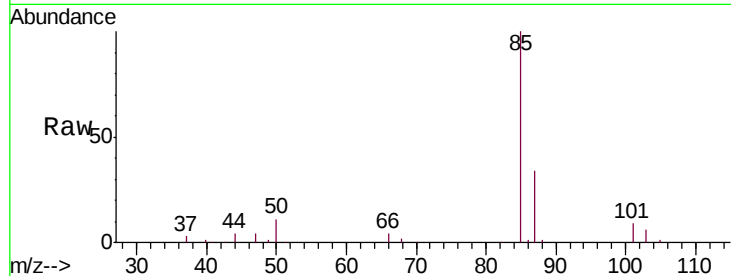
VSTD02516

Tgt Ion: 85 Resp: 61010

Ion Ratio Lower Upper

85 100

87 31.7 21.8 40.4



#3

Chloromethane

Concen: 26.348 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW017403.D

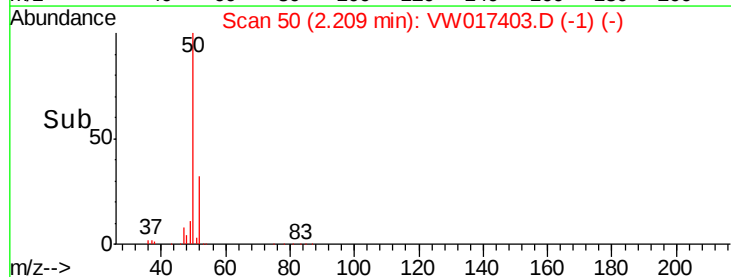
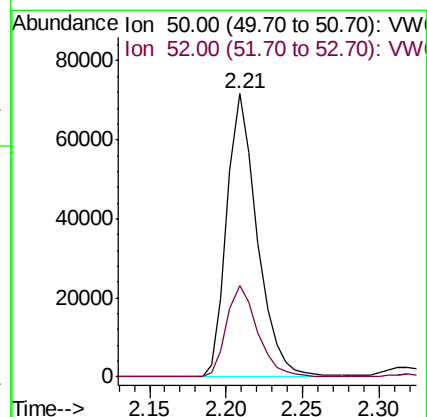
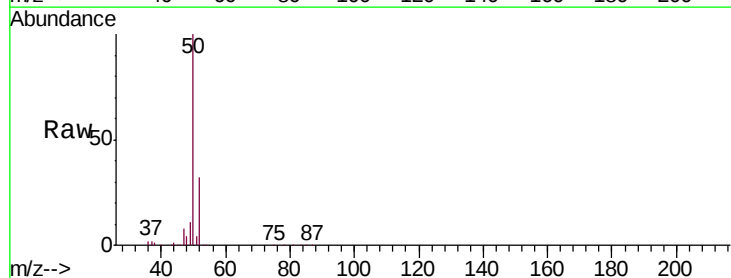
Acq: 20 Nov 2020 05:02

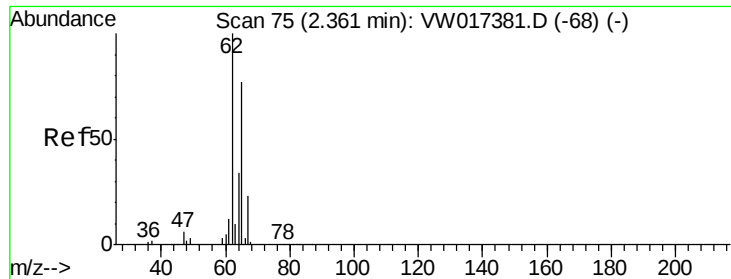
Tgt Ion: 50 Resp: 99004

Ion Ratio Lower Upper

50 100

52 32.3 23.2 43.0





#5

Vinyl chloride

Concen: 26.302 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW017403.D

Acq: 20 Nov 2020 05:02

Instrument :

MSVOA_W

ClientSampleId :

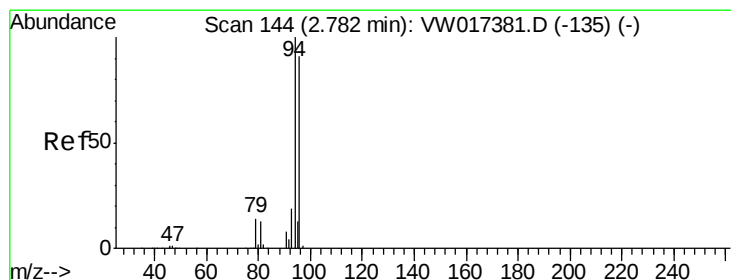
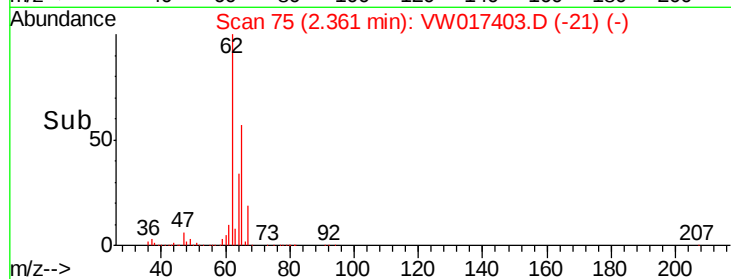
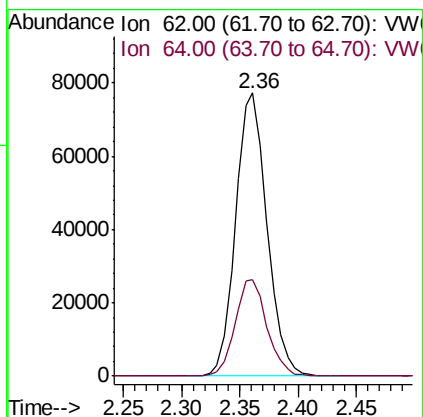
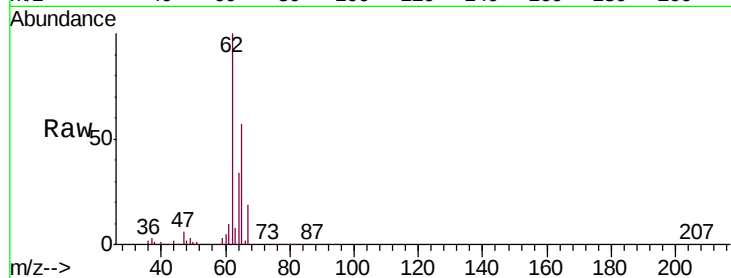
VSTD02516

Tgt Ion: 62 Resp: 145154

Ion Ratio Lower Upper

62 100

64 34.2 23.4 43.4



#6

Bromomethane

Concen: 26.226 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW017403.D

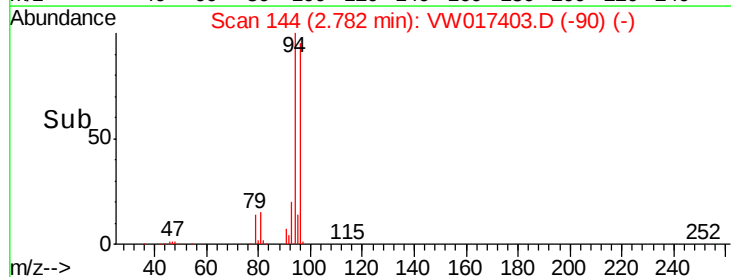
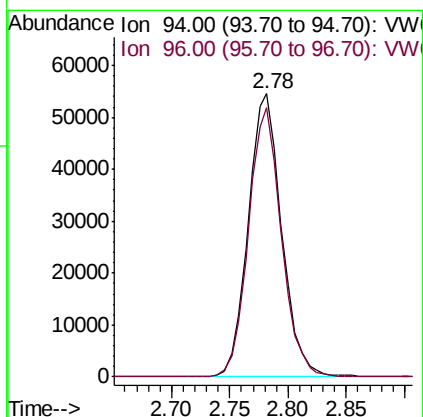
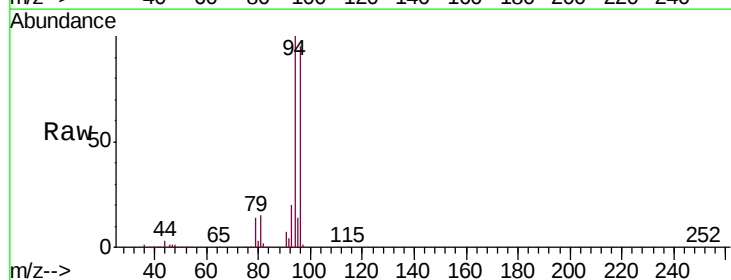
Acq: 20 Nov 2020 05:02

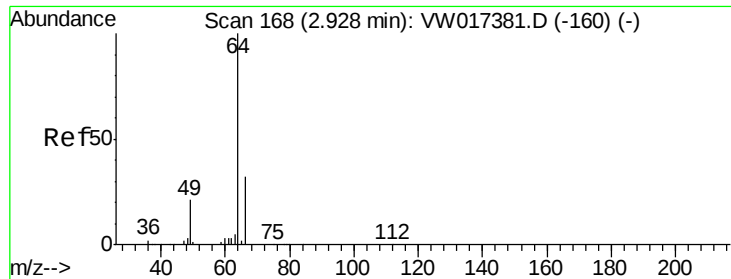
Tgt Ion: 94 Resp: 108677

Ion Ratio Lower Upper

94 100

96 94.0 9.4 178.6





#8

Chloroethane

Concen: 26.930 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW017403.D

Acq: 20 Nov 2020 05:02

Instrument :

MSVOA_W

ClientSampleId :

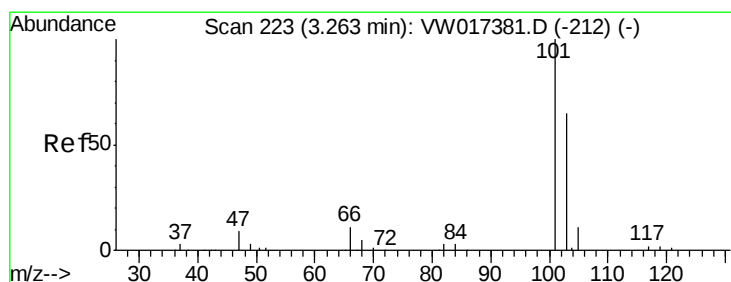
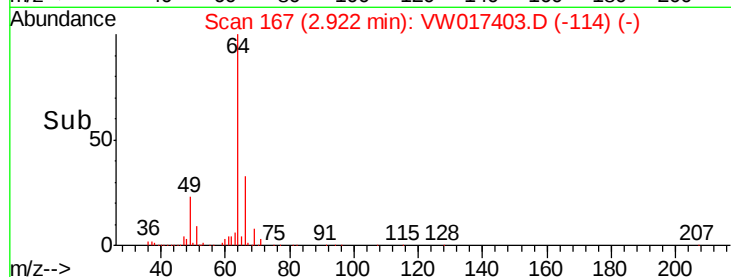
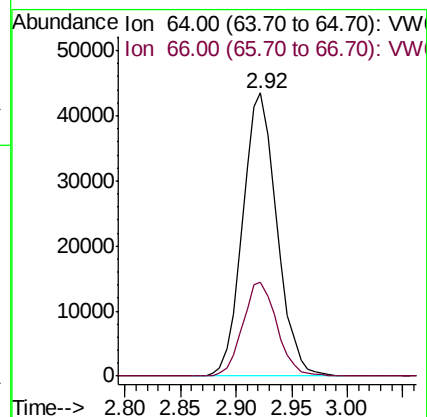
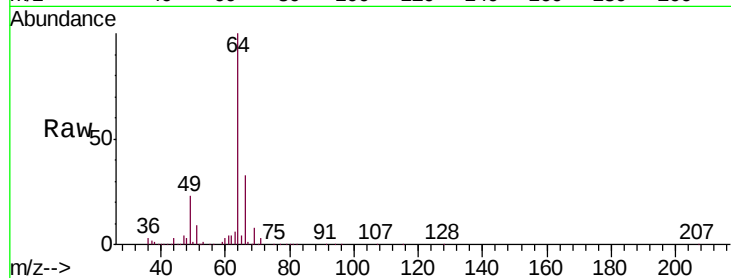
VSTD02516

Tgt Ion: 64 Resp: 93019

Ion Ratio Lower Upper

64 100

66 33.3 23.2 43.0



#9

Trichlorofluoromethane

Concen: 24.719 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW017403.D

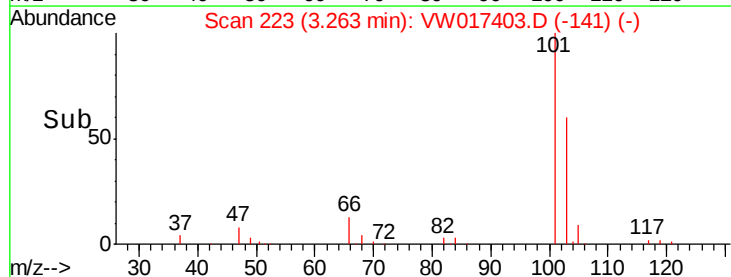
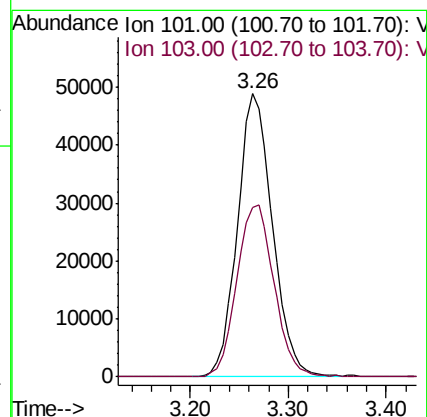
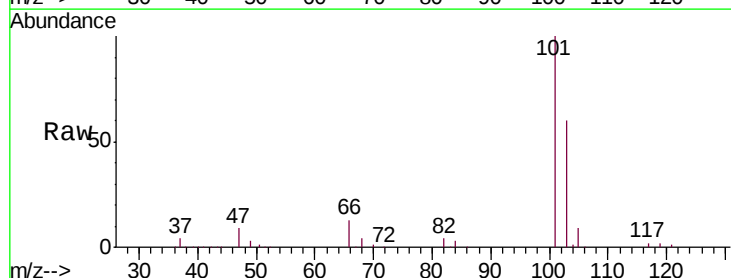
Acq: 20 Nov 2020 05:02

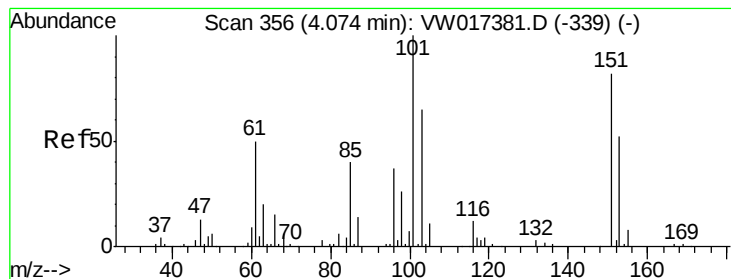
Tgt Ion: 101 Resp: 121383

Ion Ratio Lower Upper

101 100

103 64.6 45.8 85.2





#11

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

Concen: 26.192 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.00 min

Lab File: VW017403.D

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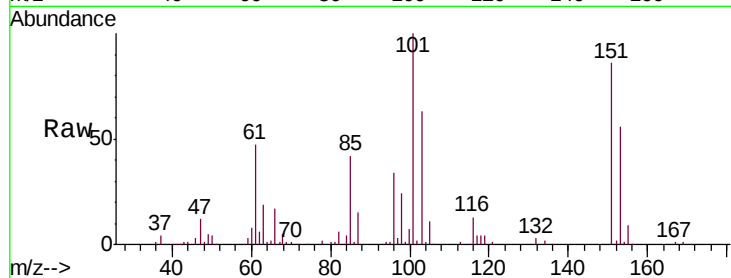
Tgt Ion: 101 Resp: 133479

Ion Ratio Lower Upper

101 100

85 41.8 34.6 51.8

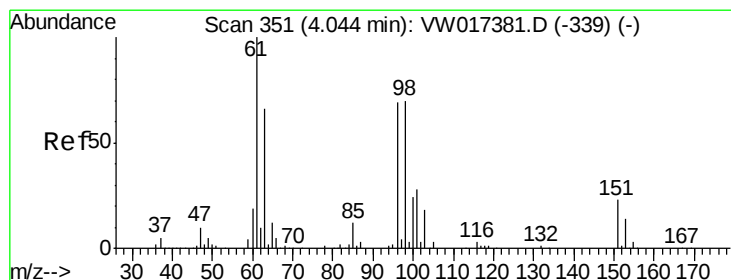
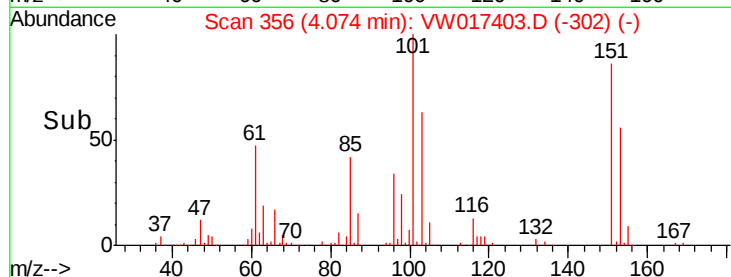
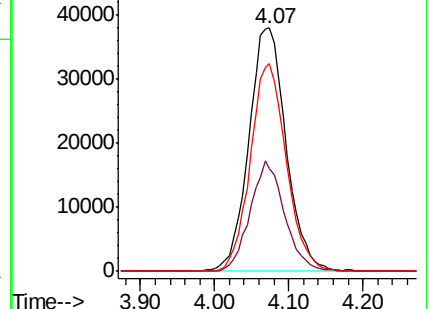
151 82.5 66.3 99.5



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: 24.836 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

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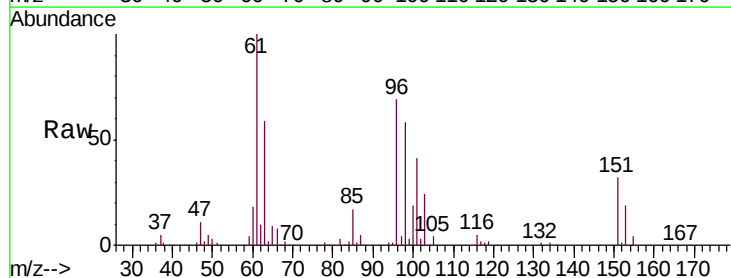
Tgt Ion: 96 Resp: 121561

Ion Ratio Lower Upper

96 100

61 144.0 104.7 194.4

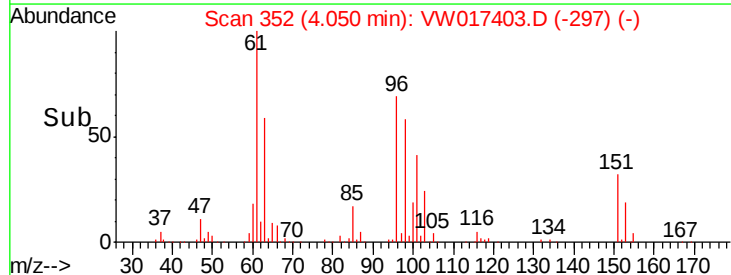
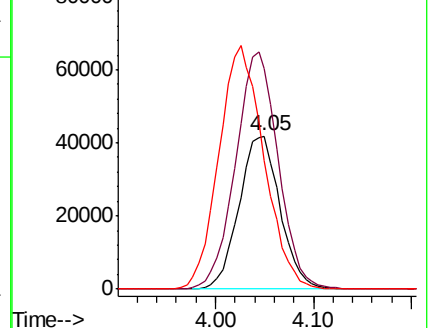
63 84.3 69.6 129.2

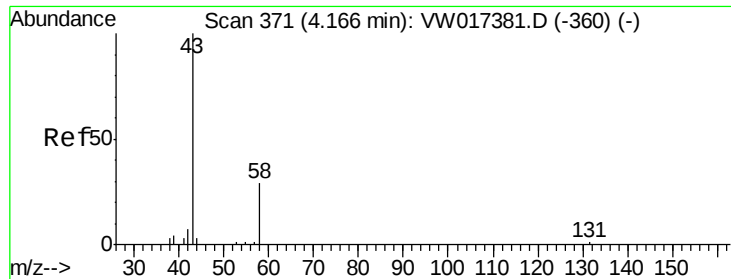


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 42.202 ug/L

RT: 4.15 min Scan# 369

Delta R.T. -0.01 min

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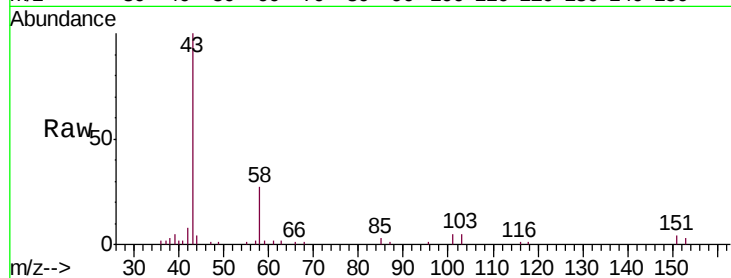
VSTD02516

Tgt Ion: 43 Resp: 27841

Ion Ratio Lower Upper

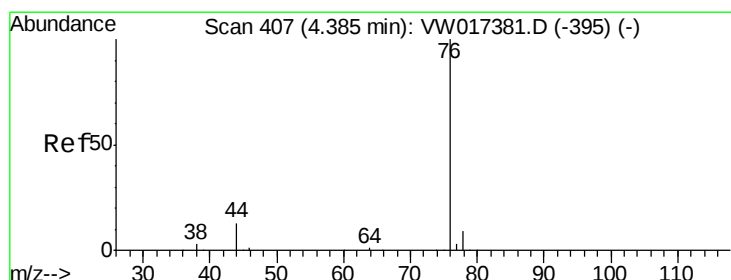
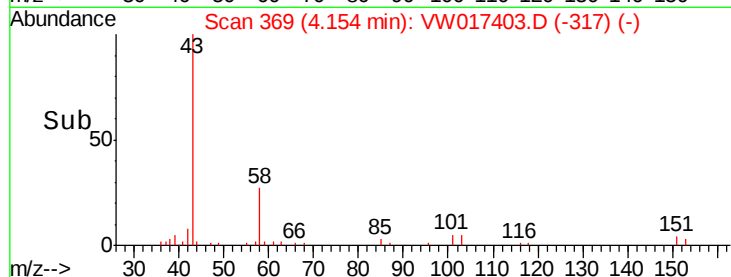
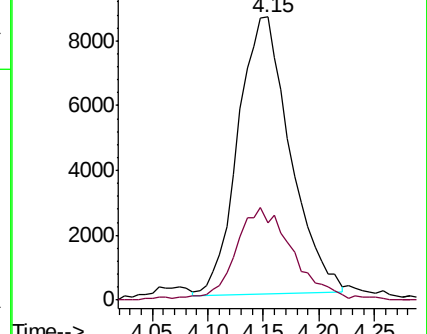
43 100

58 35.9 0.0 67.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 24.876 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW017403.D

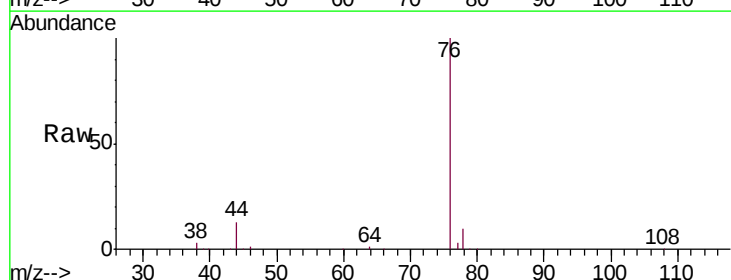
Acq: 20 Nov 2020 05:02

Tgt Ion: 76 Resp: 357626

Ion Ratio Lower Upper

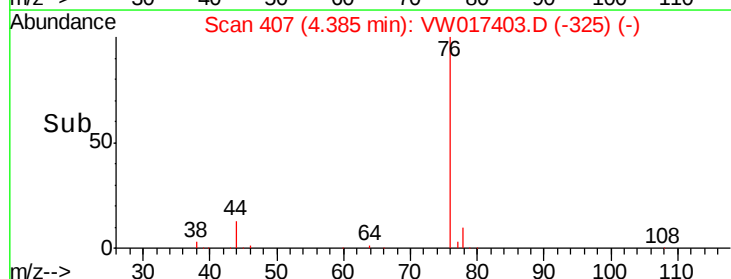
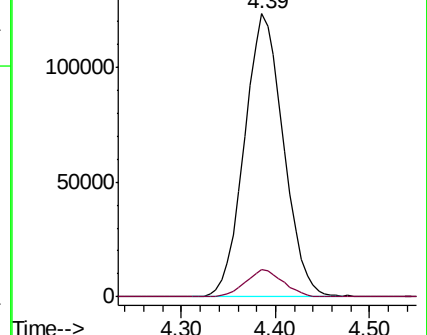
76 100

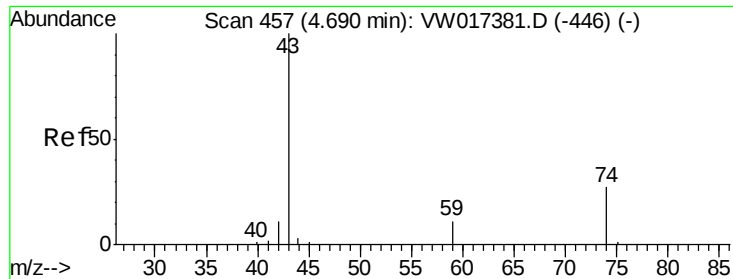
78 9.7 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

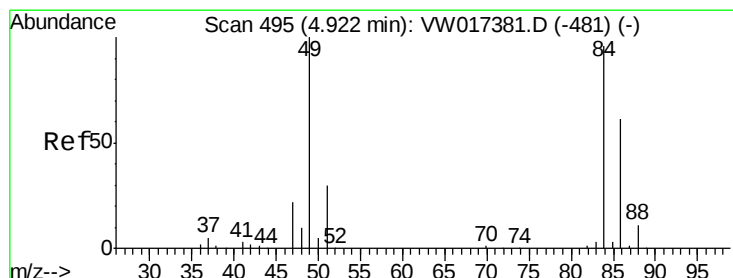
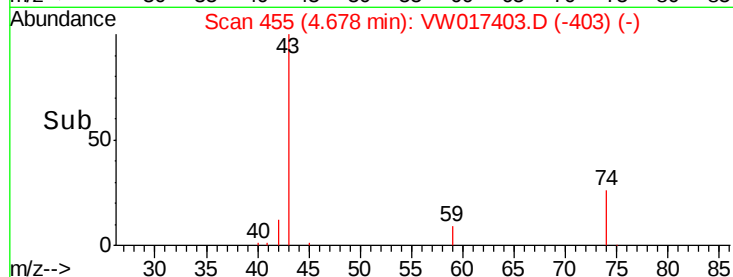
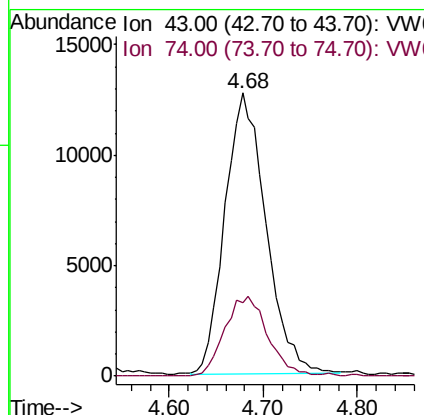
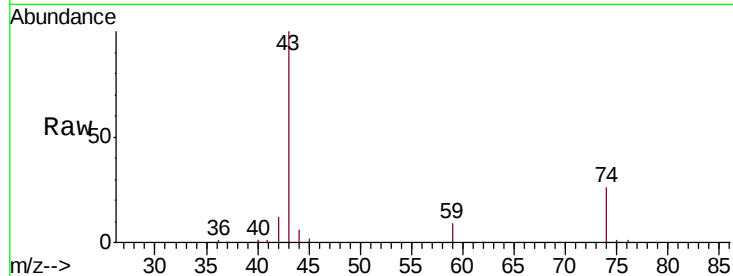




#15
Methyl Acetate
Concen: 26.763 ug/L
RT: 4.68 min Scan# 455
Delta R.T. -0.01 min
Lab File: VW017403.D
Acq: 20 Nov 2020 05:02

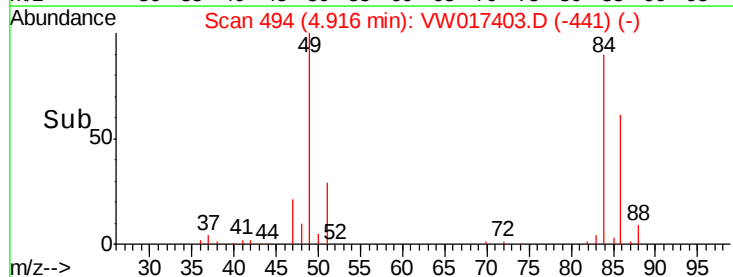
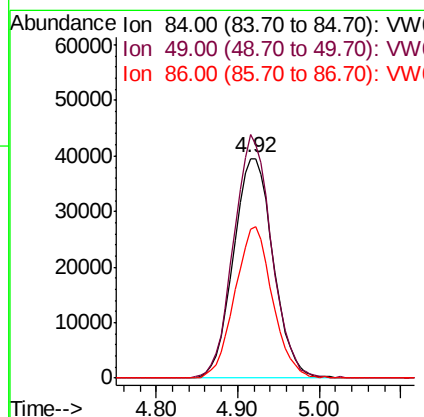
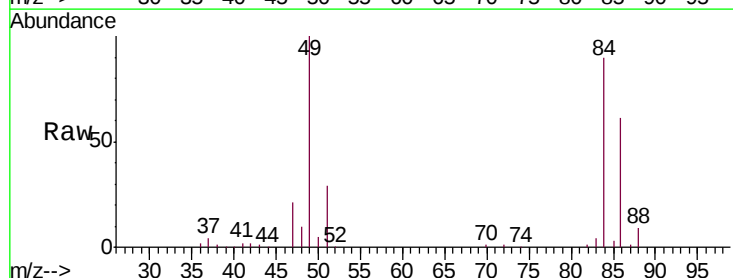
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

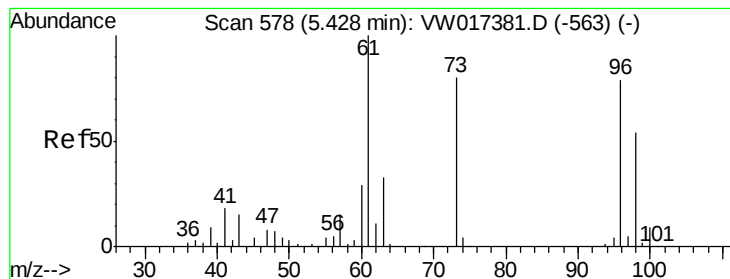
Tgt Ion: 43 Resp: 38668
Ion Ratio Lower Upper
43 100
74 29.6 23.7 35.5



#16
Methylene chloride
Concen: 21.074 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW017403.D
Acq: 20 Nov 2020 05:02

Tgt Ion: 84 Resp: 134061
Ion Ratio Lower Upper
84 100
49 110.9 71.5 132.9
86 67.9 42.8 79.4





#17

Methyl tert-butyl Ether

Concen: 28.774 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW017403.D

Acq: 20 Nov 2020 05:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

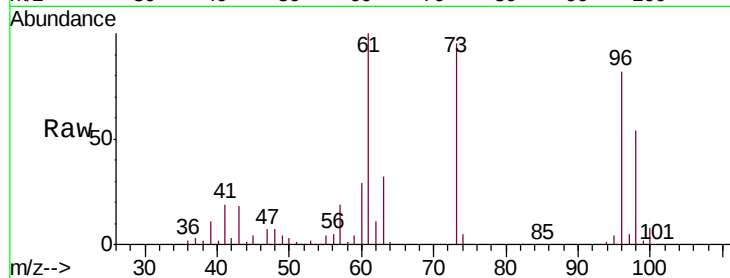
Tgt Ion: 73 Resp: 165948

Ion Ratio Lower Upper

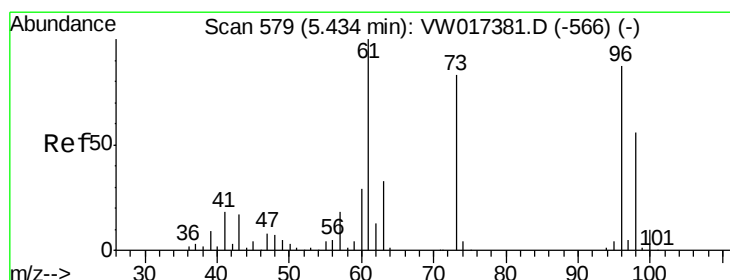
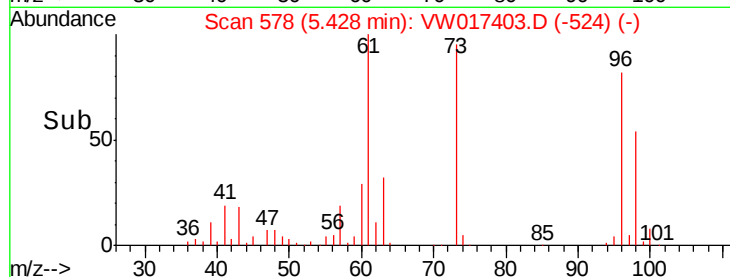
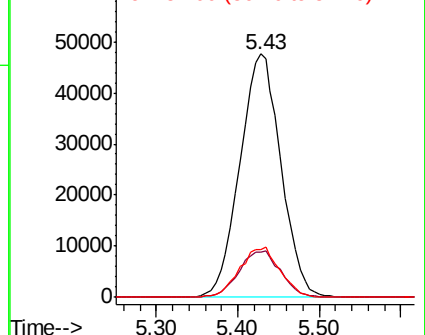
73 100

43 19.5 15.7 23.5

57 20.3 16.3 24.5



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



#18

trans-1,2-Dichloroethene

Concen: 23.933 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW017403.D

Acq: 20 Nov 2020 05:02

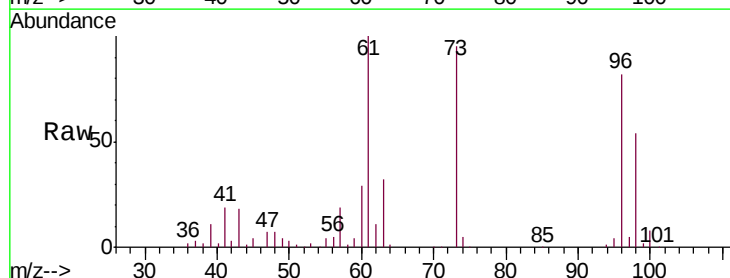
Tgt Ion: 96 Resp: 125377

Ion Ratio Lower Upper

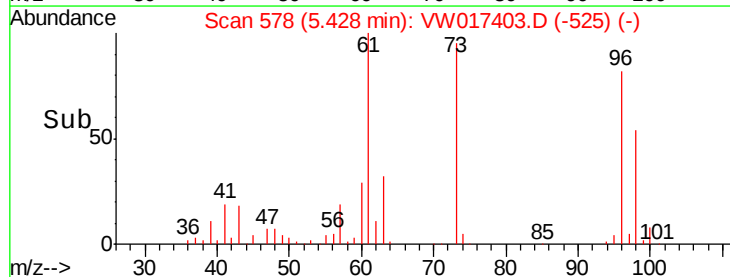
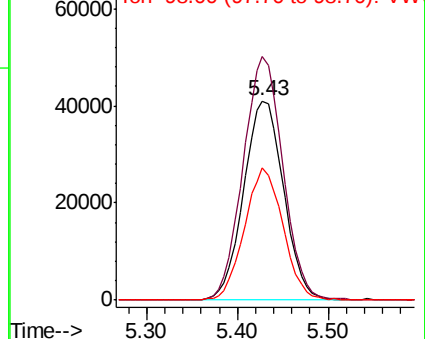
96 100

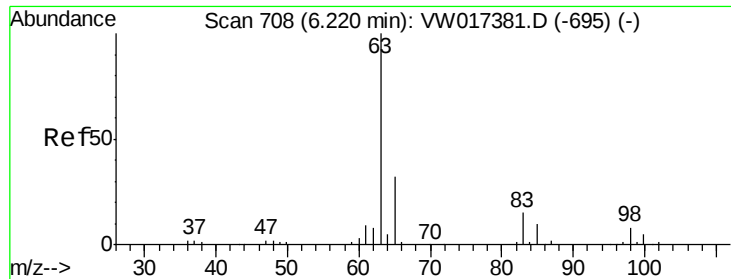
61 122.3 84.3 156.5

98 66.3 41.5 77.1



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

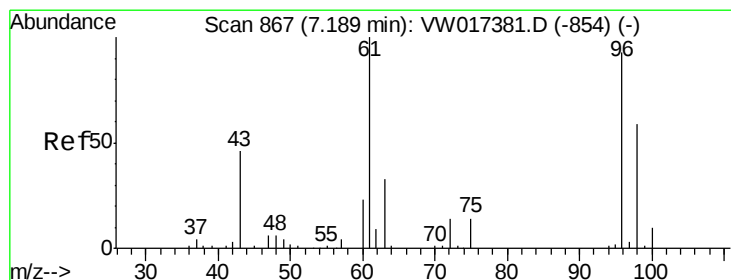
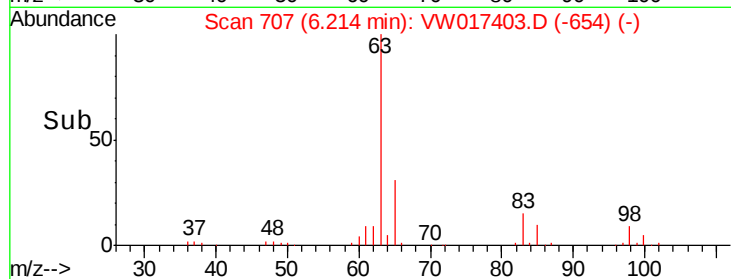
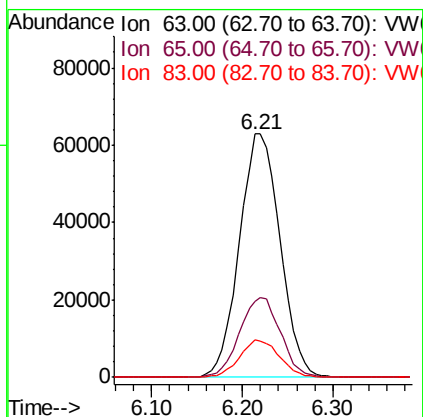
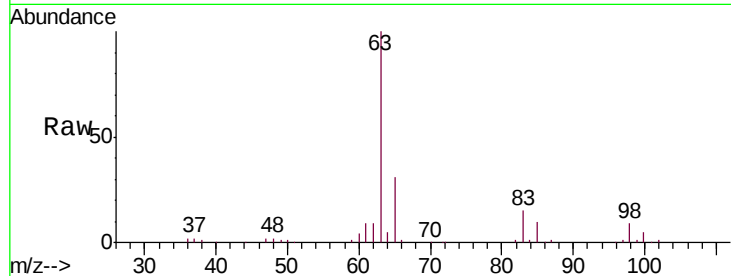




#19
 1,1-Dichloroethane
 Concen: 24.453 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VW017403.D
 Acq: 20 Nov 2020 05:02

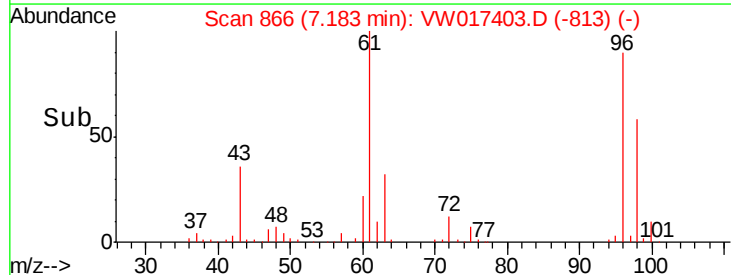
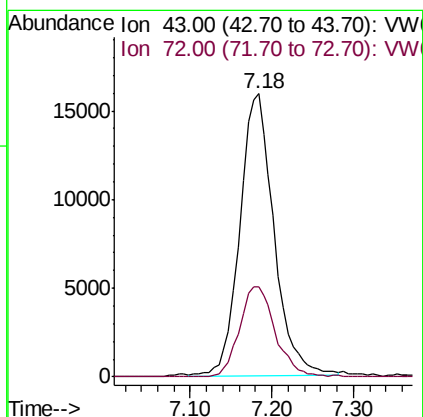
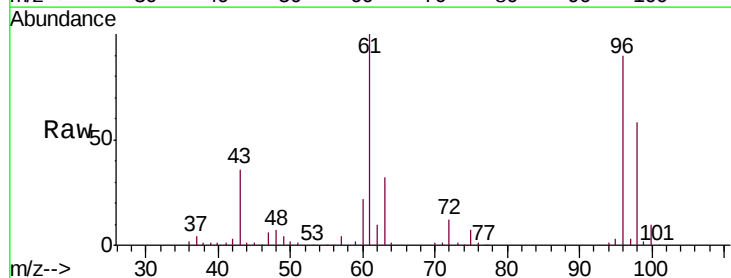
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

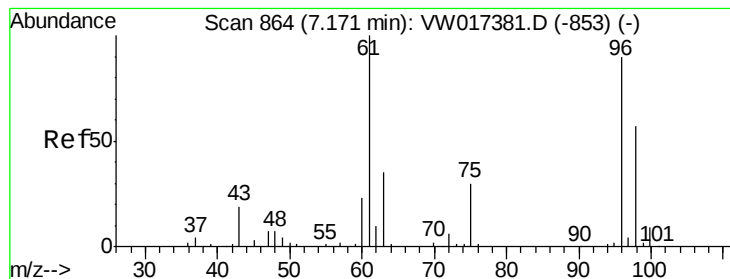
Tgt Ion: 63 Resp: 195948
 Ion Ratio Lower Upper
 63 100
 65 31.2 22.3 41.5
 83 15.2 10.1 18.7



#21
 2-Butanone
 Concen: 45.593 ug/L
 RT: 7.18 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: VW017403.D
 Acq: 20 Nov 2020 05:02

Tgt Ion: 43 Resp: 46109
 Ion Ratio Lower Upper
 43 100
 72 33.5 16.4 49.1



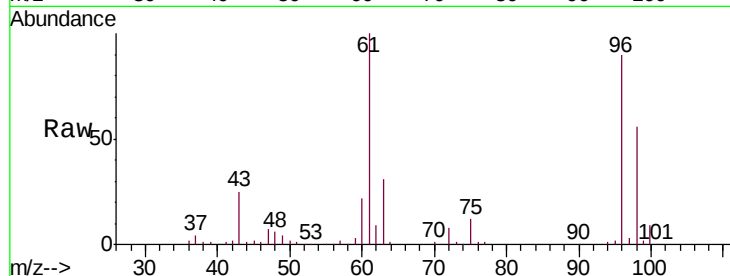


#22

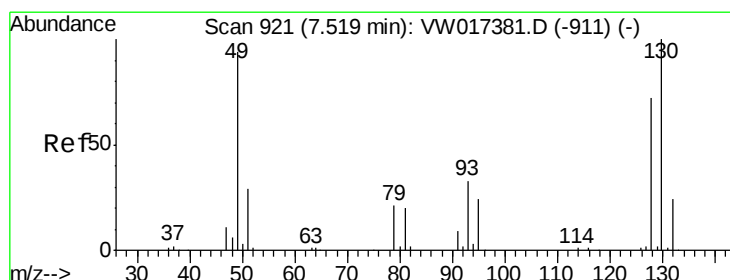
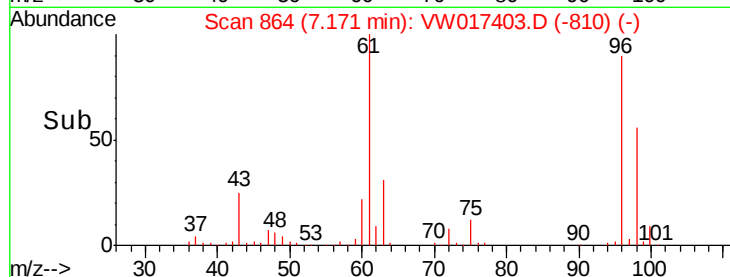
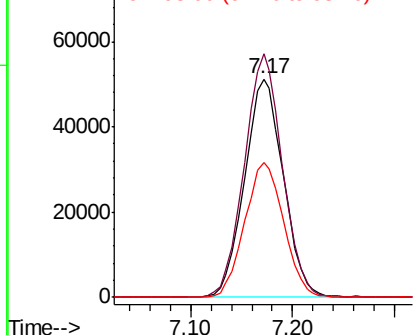
cis-1,2-Dichloroethene
 Concen: 25.431 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW017403.D
 Acq: 20 Nov 2020 05:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

Tgt Ion: 96 Resp: 135304
 Ion Ratio Lower Upper
 96 100
 61 111.6 76.1 141.3
 98 62.0 44.7 82.9



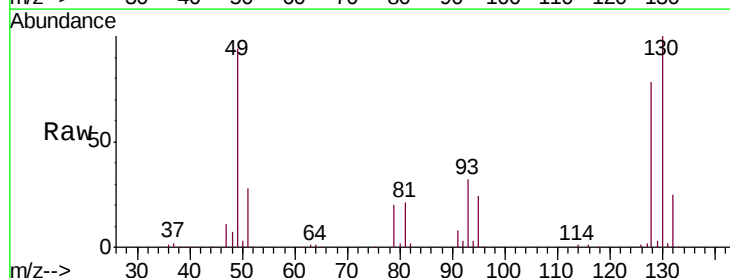
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



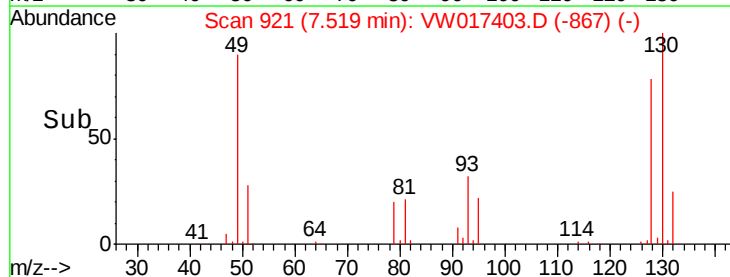
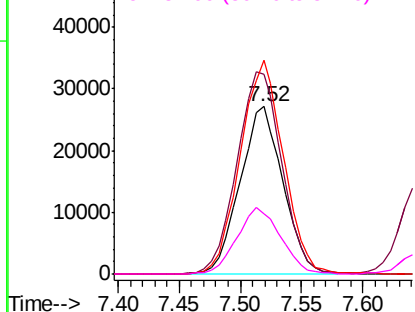
#23

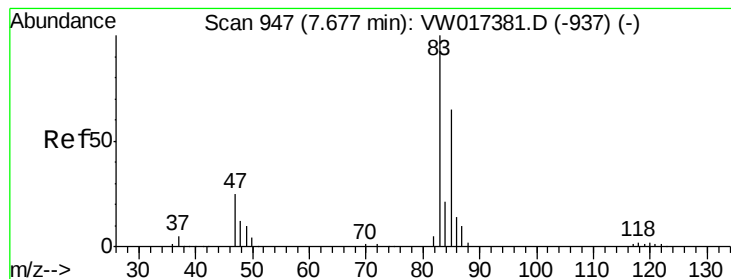
Bromochloromethane
 Concen: 26.579 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VW017403.D
 Acq: 20 Nov 2020 05:02

Tgt Ion: 128 Resp: 66351
 Ion Ratio Lower Upper
 128 100
 49 119.6 85.5 158.7
 130 127.5 91.5 169.9
 51 36.3 32.8 49.2



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VW
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VW





#25

Chloroform

Concen: 25.260 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW017403.D

Acq: 20 Nov 2020 05:02

Instrument :

MSVOA_W

ClientSampleId :

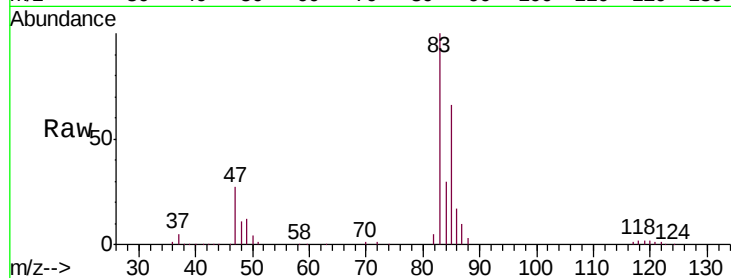
VSTD02516

Tgt Ion: 83 Resp: 226381

Ion Ratio Lower Upper

83 100

85 66.3 46.1 85.5



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

7.68

100000

80000

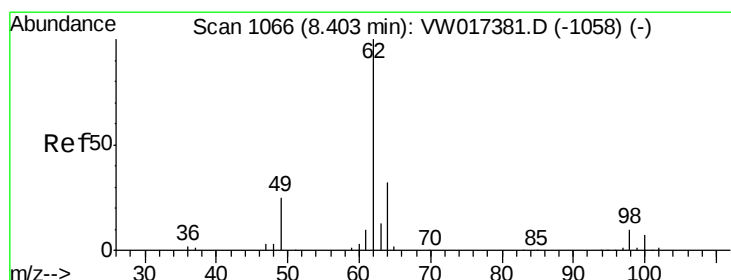
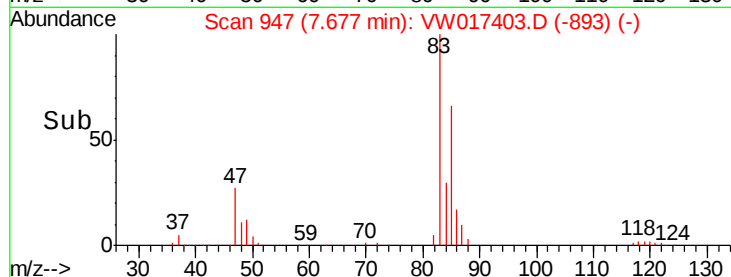
60000

40000

20000

0

Time-->



#27

1,2-Dichloroethane

Concen: 27.159 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW017403.D

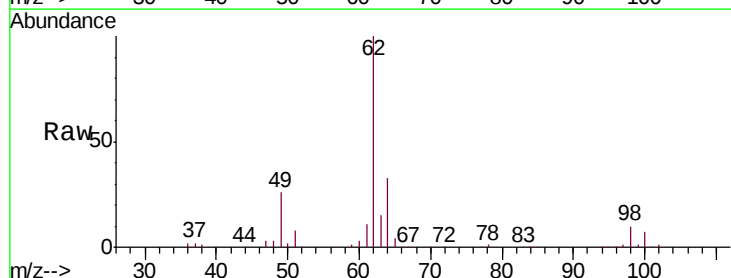
Acq: 20 Nov 2020 05:02

Tgt Ion: 62 Resp: 141054

Ion Ratio Lower Upper

62 100

98 10.3 7.7 11.5



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

8.40

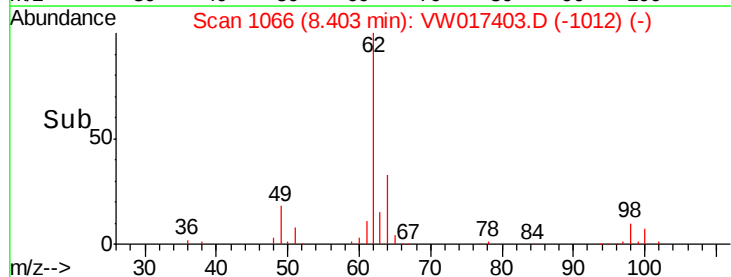
60000

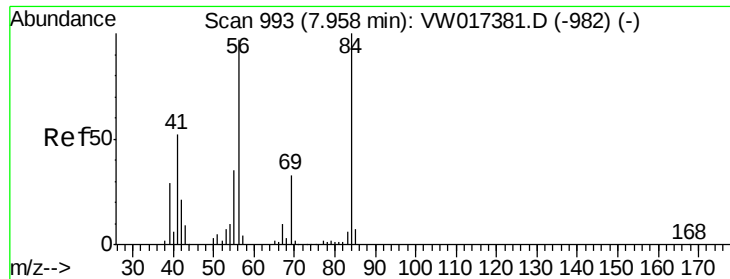
40000

20000

0

Time-->

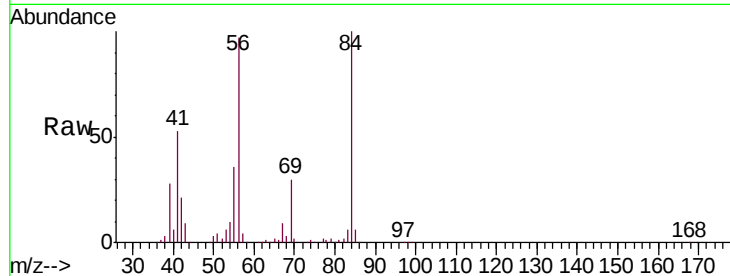




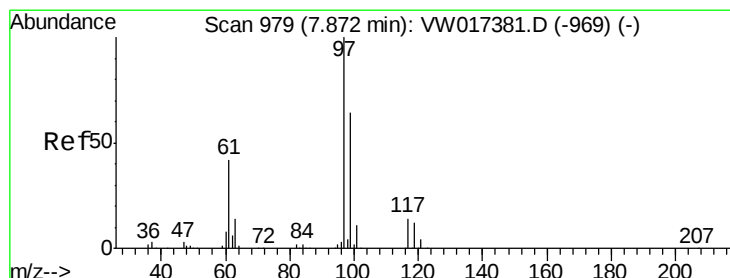
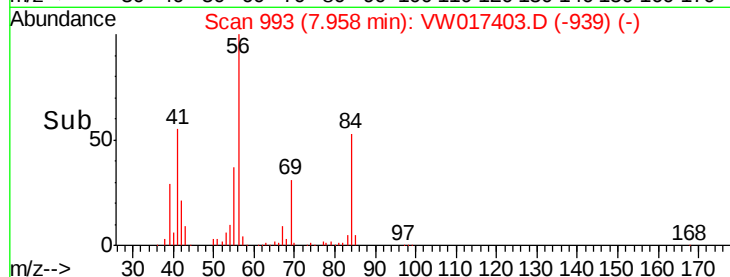
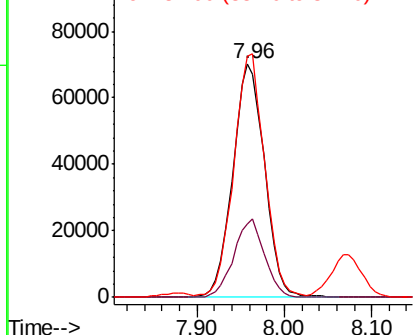
#30
Cyclohexane
Concen: 23.286 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW017403.D
Acq: 20 Nov 2020 05:02

Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

Tgt Ion: 56 Resp: 177100
Ion Ratio Lower Upper
56 100
69 32.3 27.0 40.6
84 101.4 82.2 123.4

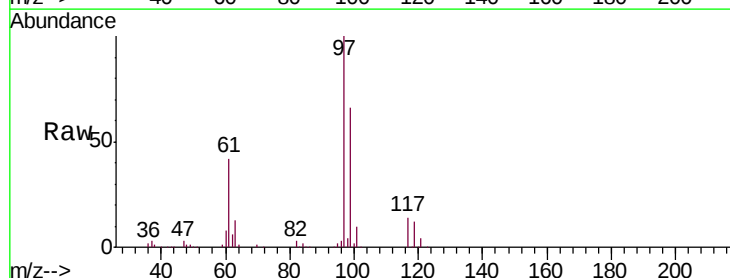


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

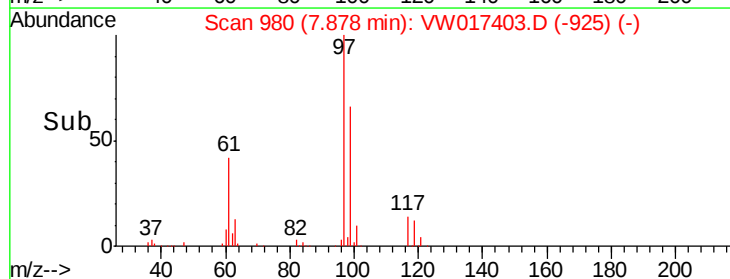
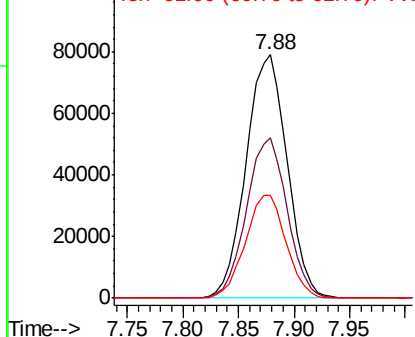


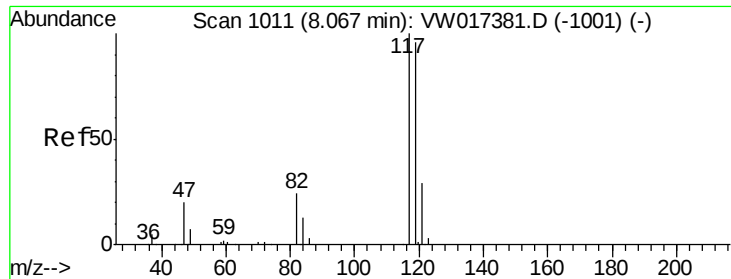
#31
1,1,1-Trichloroethane
Concen: 22.867 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW017403.D
Acq: 20 Nov 2020 05:02

Tgt Ion: 97 Resp: 203103
Ion Ratio Lower Upper
97 100
99 65.3 51.4 77.2
61 42.0 32.7 49.1



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW

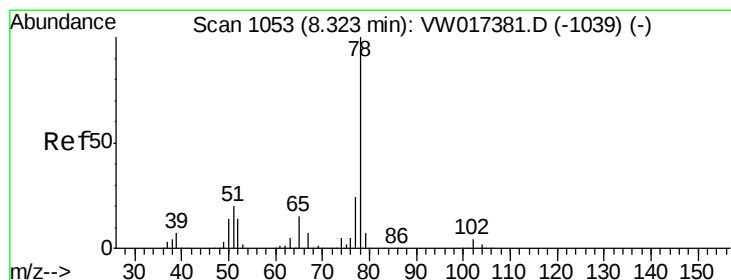
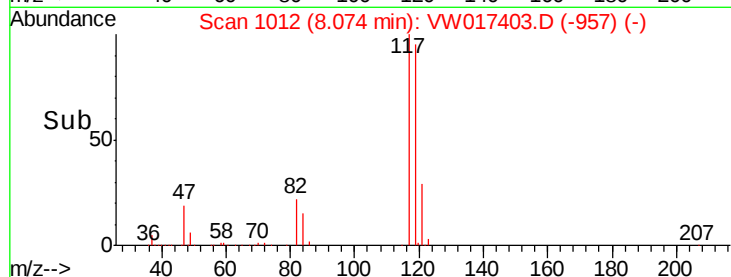
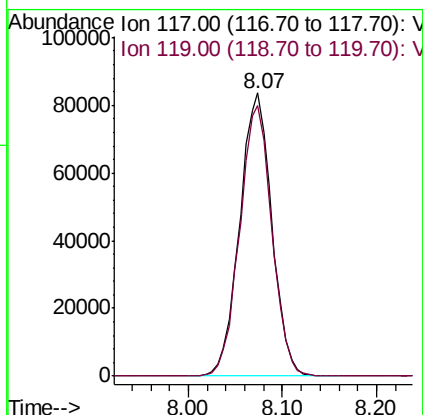
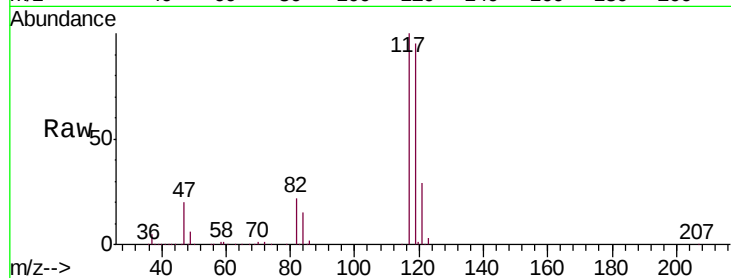




#32
Carbon tetrachloride
Concen: 23.480 ug/L
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW017403.D
Acq: 20 Nov 2020 05:02

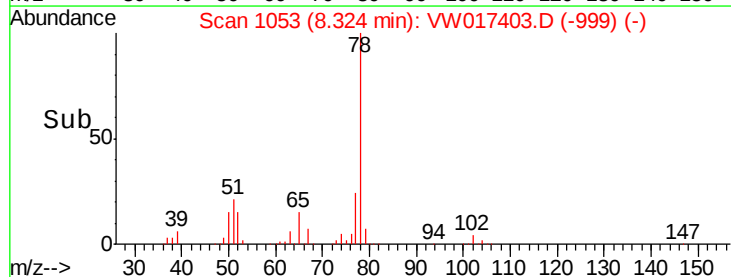
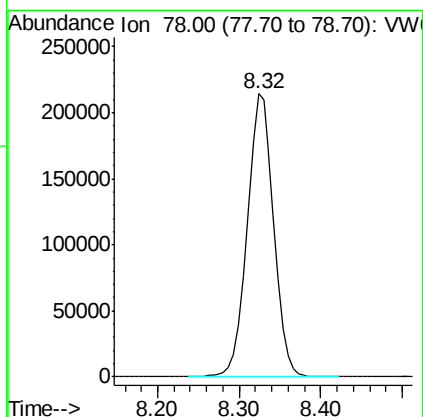
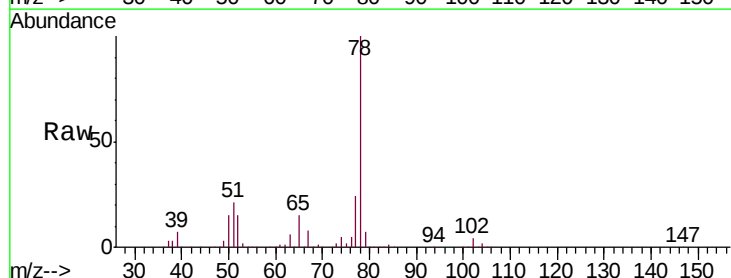
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

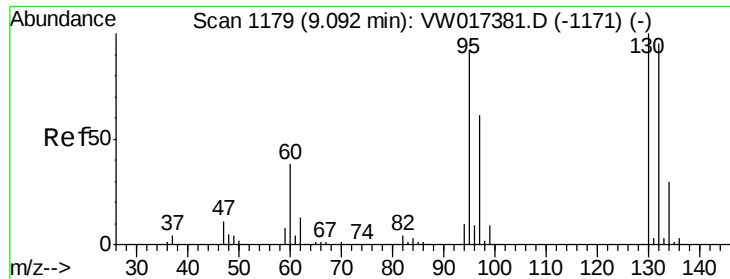
Tgt Ion:117 Resp: 199048
Ion Ratio Lower Upper
117 100
119 95.7 77.8 116.6



#34
Benzene
Concen: 22.561 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW017403.D
Acq: 20 Nov 2020 05:02

Tgt Ion: 78 Resp: 483719





#35

Trichloroethene

Concen: 22.346 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW017403.D

Acq: 20 Nov 2020 05:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

Tgt Ion: 95 Resp: 135528

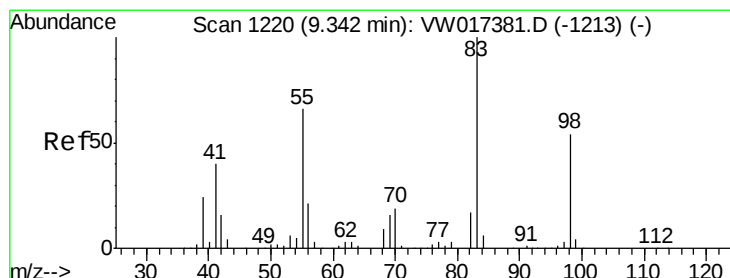
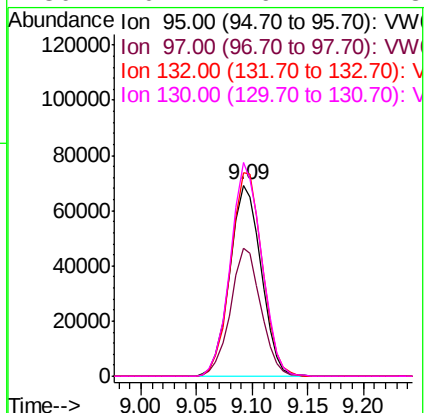
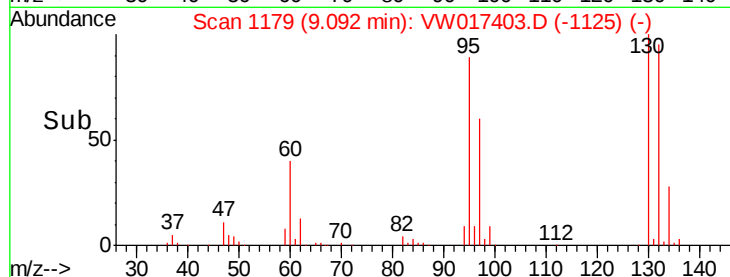
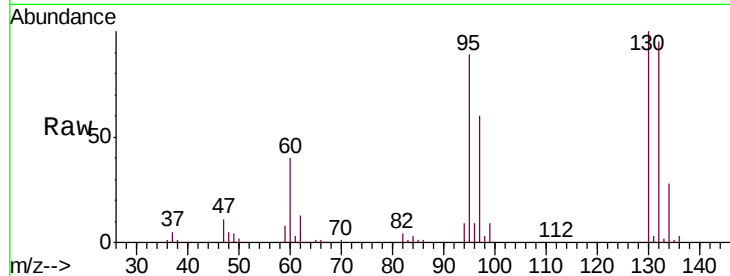
Ion Ratio Lower Upper

95 100

97 64.9 44.7 82.9

132 107.2 72.7 134.9

130 110.7 76.1 141.3



#36

Methylcyclohexane

Concen: 23.824 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VW017403.D

Acq: 20 Nov 2020 05:02

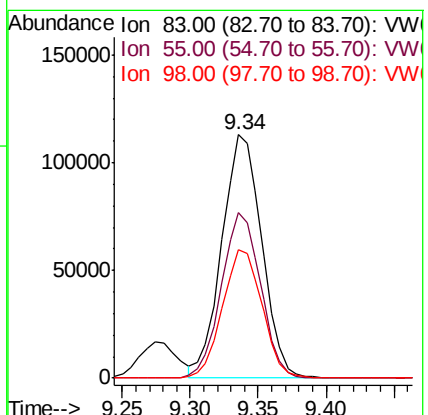
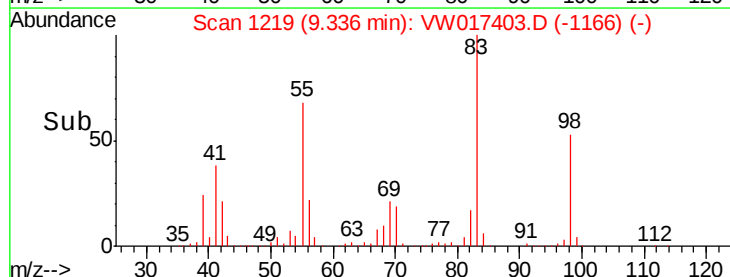
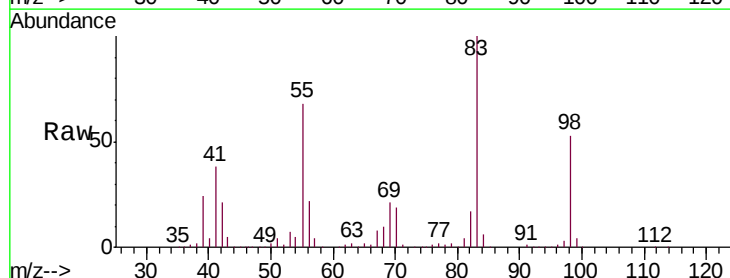
Tgt Ion: 83 Resp: 230862

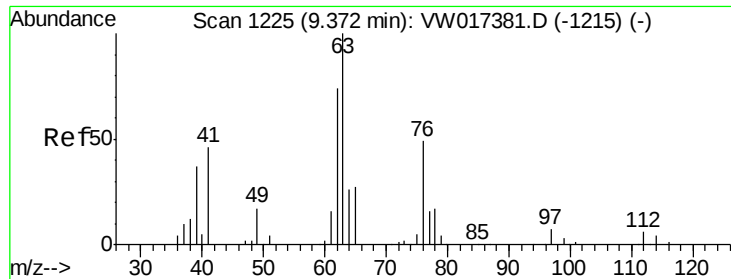
Ion Ratio Lower Upper

83 100

55 66.8 54.6 81.8

98 52.6 41.5 62.3

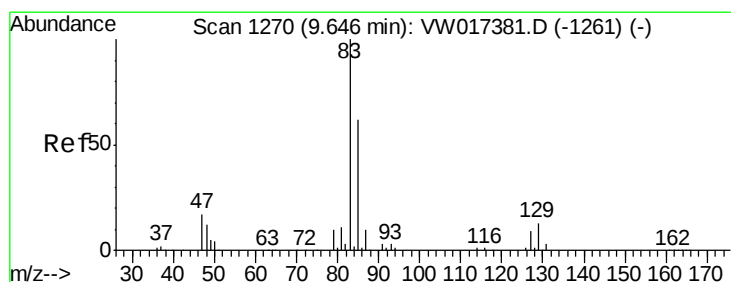
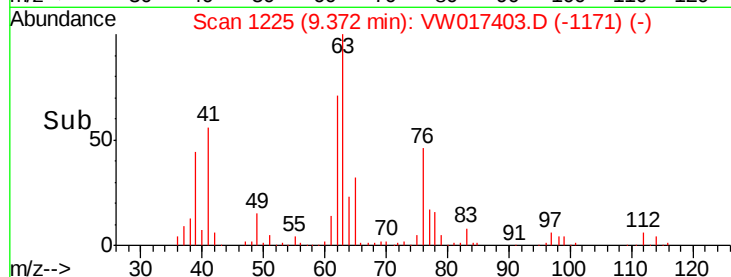
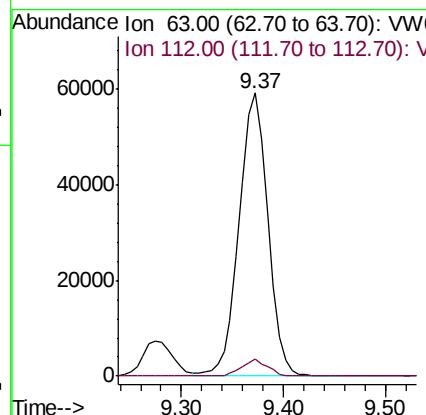
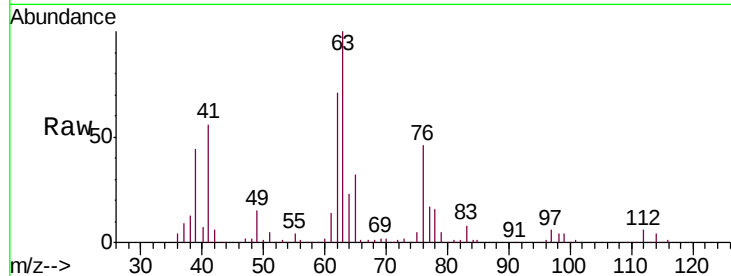




#40
 1,2-Dichloropropane
 Concen: 23.940 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW017403.D
 Acq: 20 Nov 2020 05:02

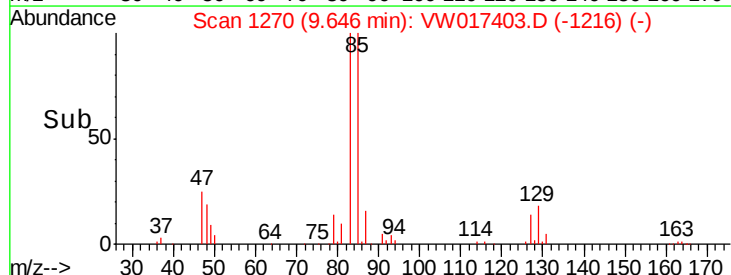
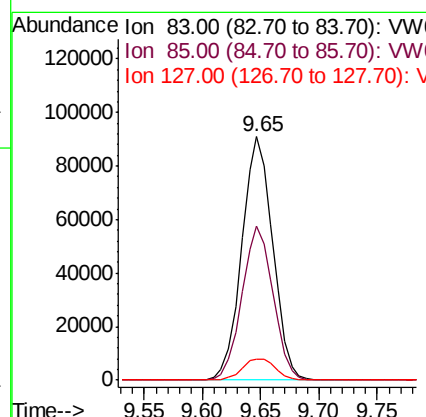
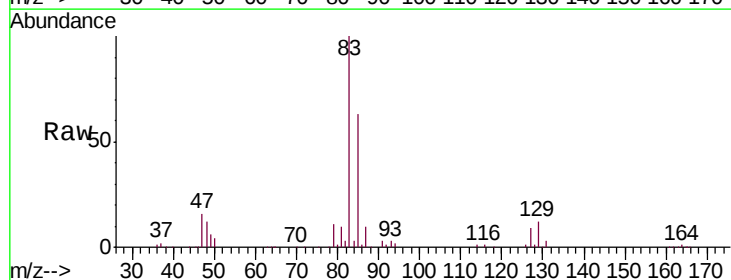
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

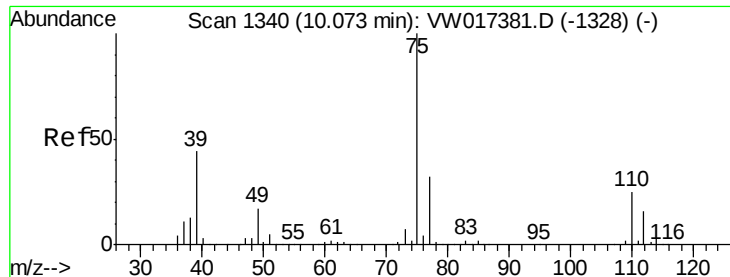
Tgt Ion: 63 Resp: 116103
 Ion Ratio Lower Upper
 63 100
 112 5.4 4.2 6.4



#41
 Bromodichloromethane
 Concen: 24.815 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW017403.D
 Acq: 20 Nov 2020 05:02

Tgt Ion: 83 Resp: 169014
 Ion Ratio Lower Upper
 83 100
 85 63.4 44.1 81.9
 127 8.7 7.3 10.9

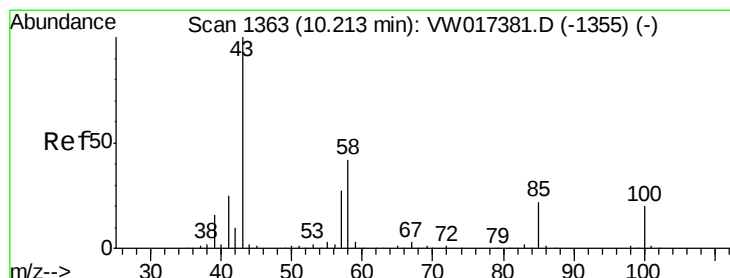
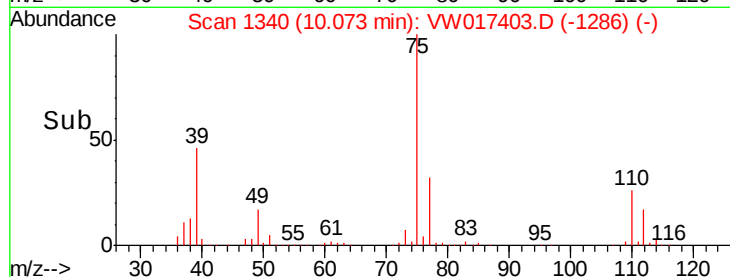
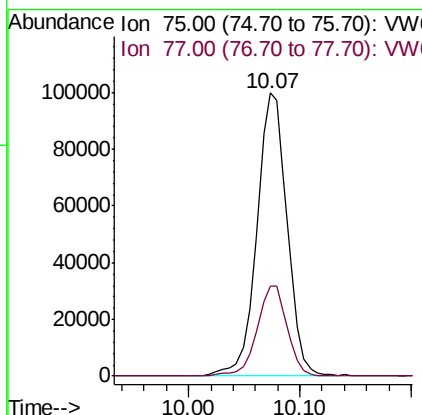
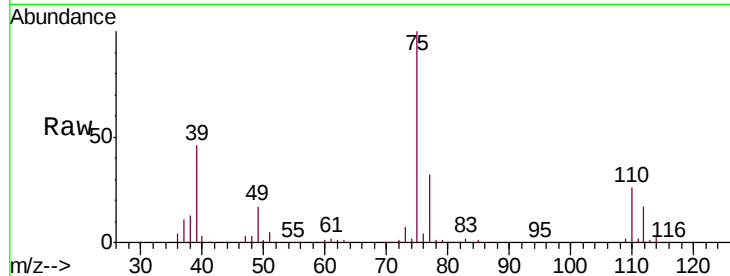




#42
 cis-1,3-Dichloropropene
 Concen: 25.054 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW017403.D
 Acq: 20 Nov 2020 05:02

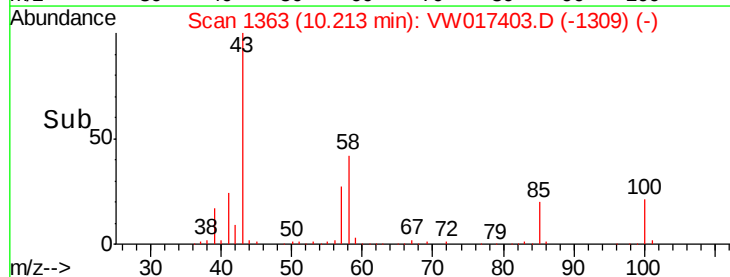
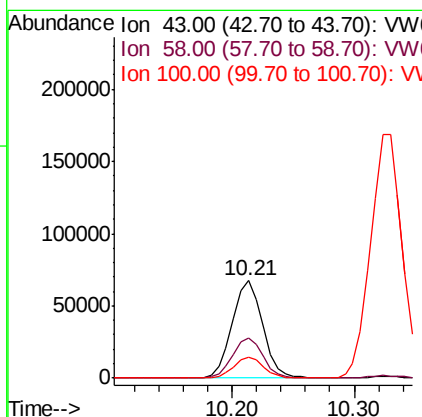
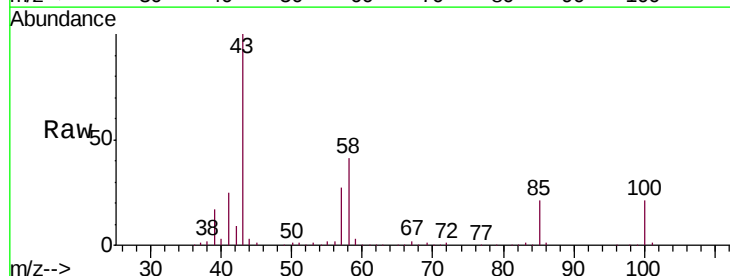
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02516

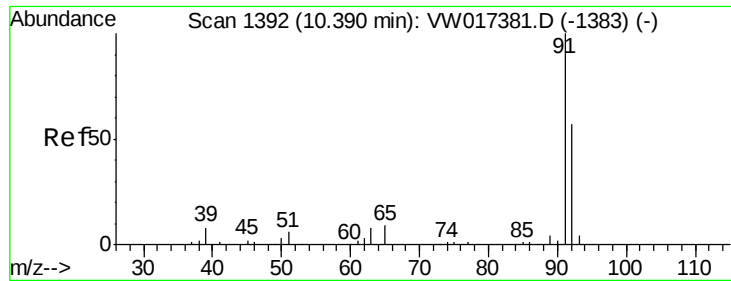
Tgt Ion: 75 Resp: 188581
 Ion Ratio Lower Upper
 75 100
 77 31.7 21.8 40.4



#43
 4-Methyl-2-pentanone
 Concen: 48.601 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW017403.D
 Acq: 20 Nov 2020 05:02

Tgt Ion: 43 Resp: 116985
 Ion Ratio Lower Upper
 43 100
 58 41.6 33.4 50.2
 100 20.7 16.3 24.5





#44

Toluene

Concen: 24.712 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017403.D

Acq: 20 Nov 2020 05:02

Instrument :

MSVOA_W

ClientSampleId :

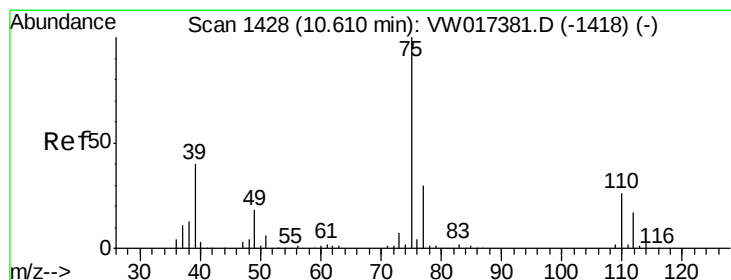
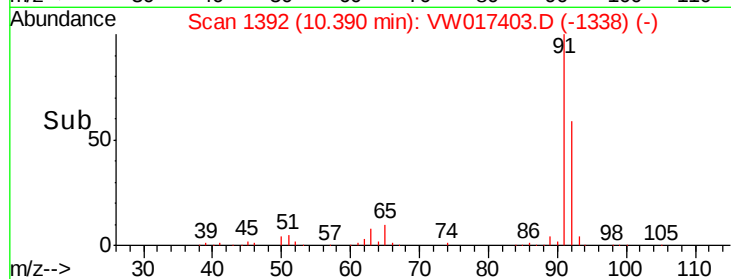
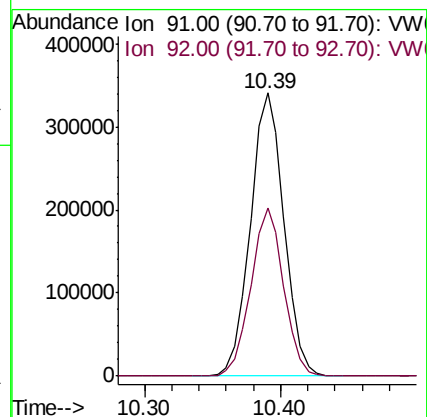
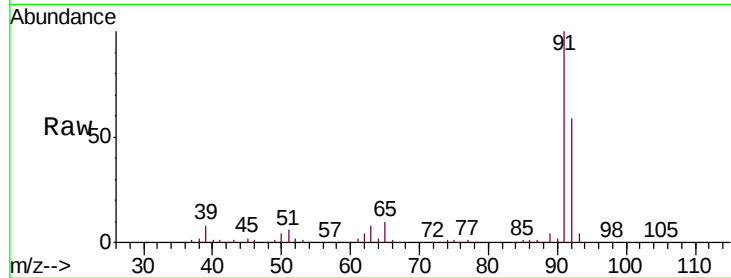
VSTD02516

Tgt Ion: 91 Resp: 587719

Ion Ratio Lower Upper

91 100

92 59.4 41.4 76.8



#45

trans-1,3-Dichloropropene

Concen: 25.622 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW017403.D

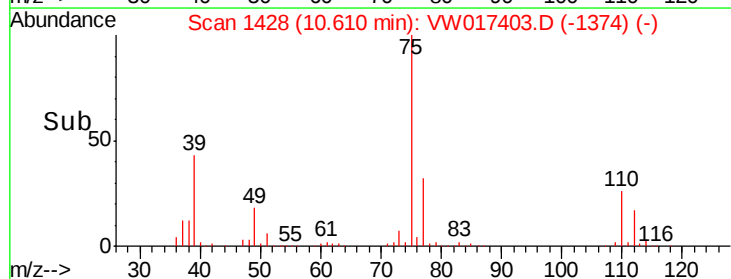
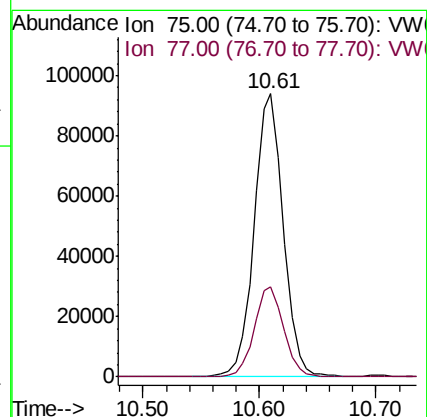
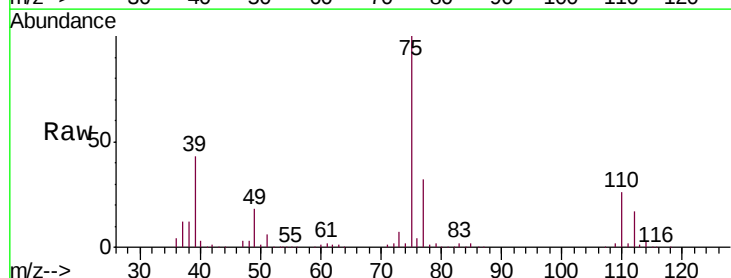
Acq: 20 Nov 2020 05:02

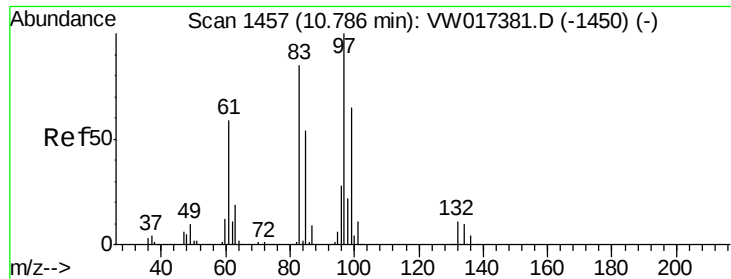
Tgt Ion: 75 Resp: 163392

Ion Ratio Lower Upper

75 100

77 31.8 22.0 40.8





#46

1,1,2-Trichloroethane

Concen: 26.424 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW017403.D

Acq: 20 Nov 2020 05:02

Instrument :

MSVOA_W

ClientSampled :

VSTD02516

Tgt Ion: 97 Resp: 100955

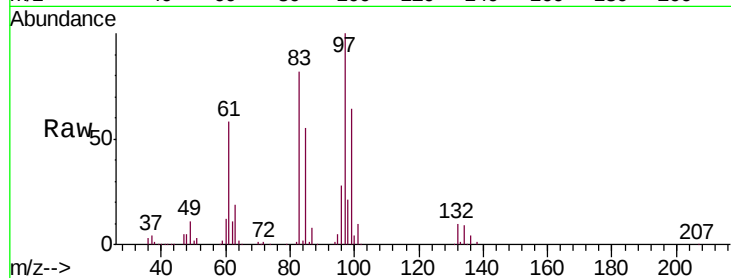
Ion Ratio Lower Upper

97 100

83 82.4 56.6 105.2

85 55.2 37.7 69.9

99 63.6 44.8 83.2



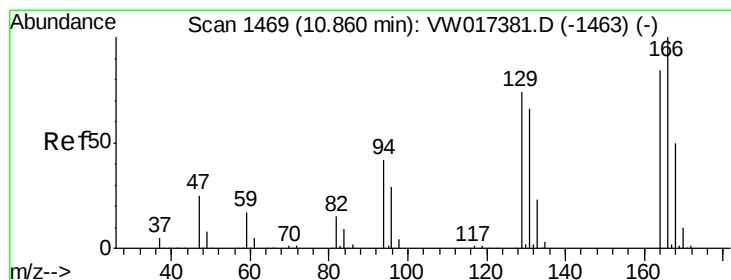
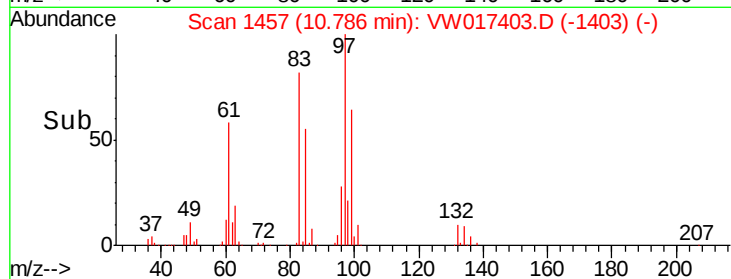
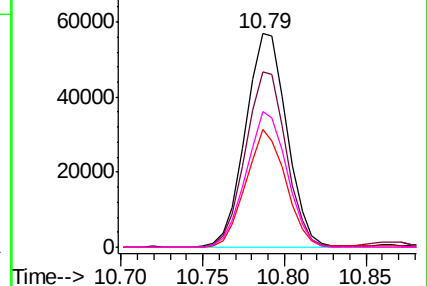
Abundance

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: 23.105 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW017403.D

Acq: 20 Nov 2020 05:02

Tgt Ion: 164 Resp: 127049

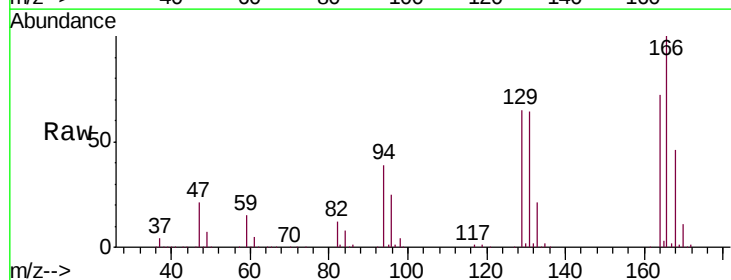
Ion Ratio Lower Upper

164 100

129 89.4 60.6 112.6

131 88.1 60.4 112.2

166 138.0 88.6 164.6



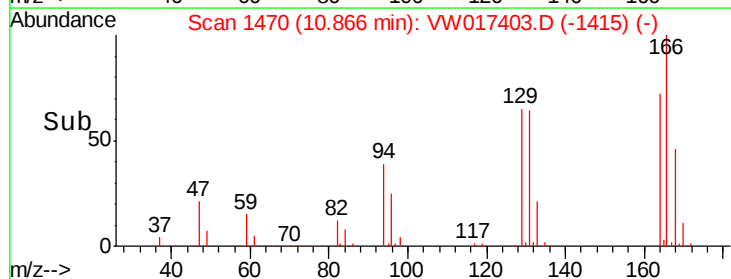
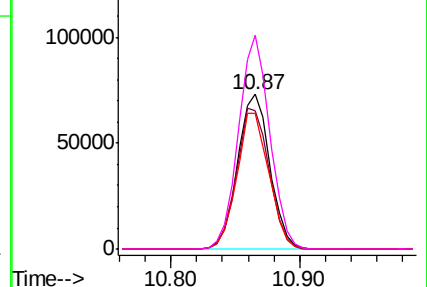
Abundance

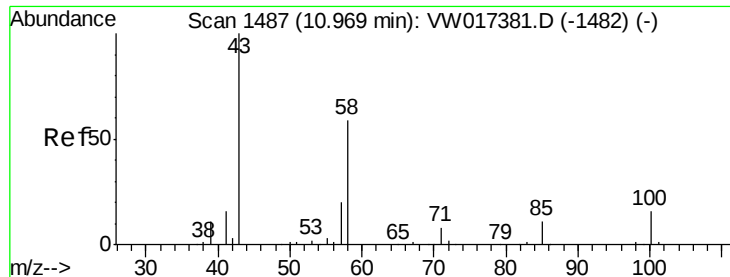
Ion 164.00 (163.70 to 164.70): V

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: 51.892 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW017403.D

Acq: 20 Nov 2020 05:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

Tgt Ion: 43 Resp: 75178

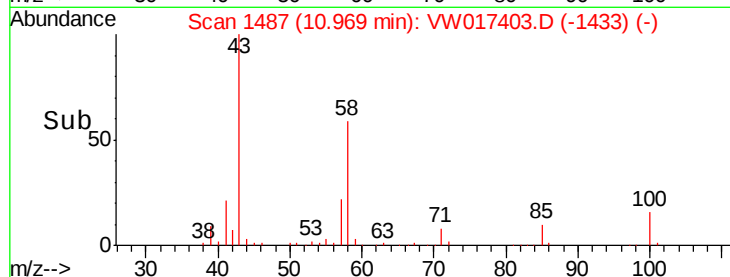
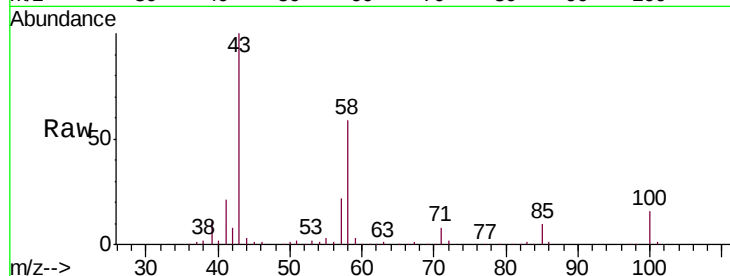
Ion Ratio Lower Upper

43 100

58 60.9 49.4 74.0

57 20.5 17.0 25.4

100 16.4 13.1 19.7

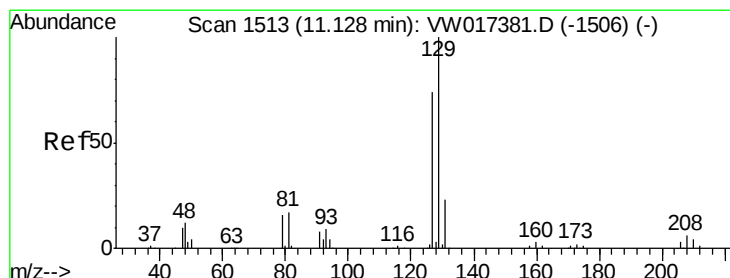
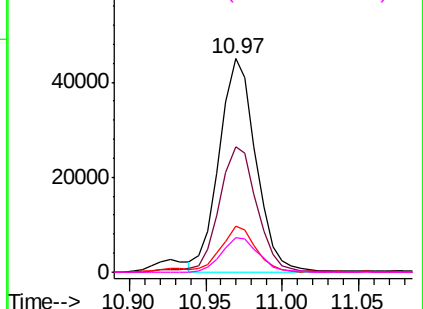


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 25.839 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW017403.D

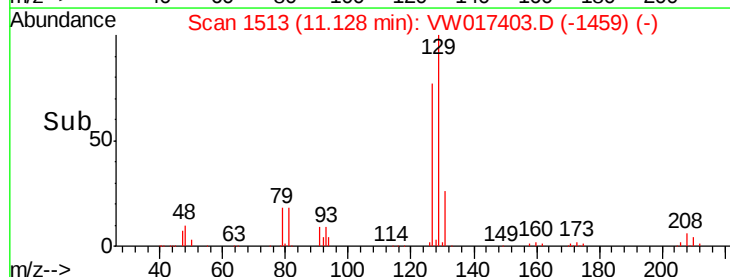
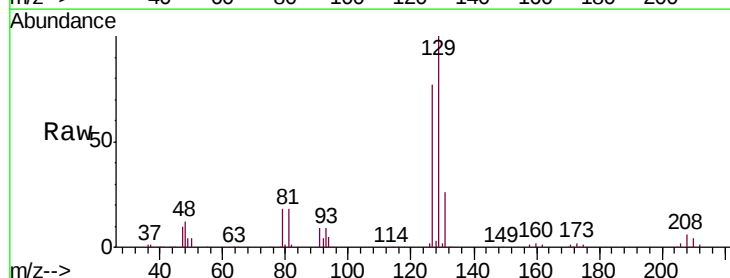
Acq: 20 Nov 2020 05:02

Tgt Ion: 129 Resp: 126222

Ion Ratio Lower Upper

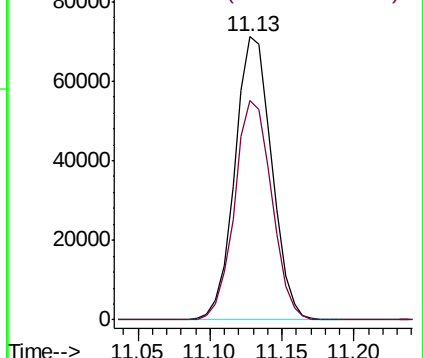
129 100

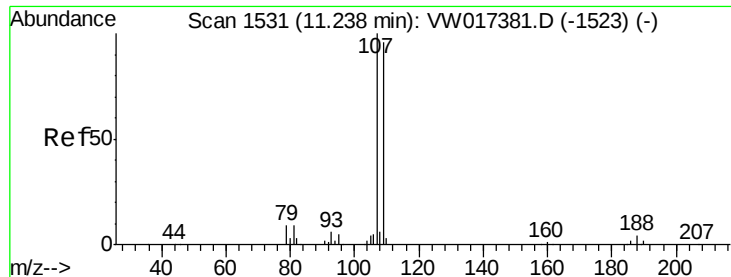
127 77.5 51.8 96.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

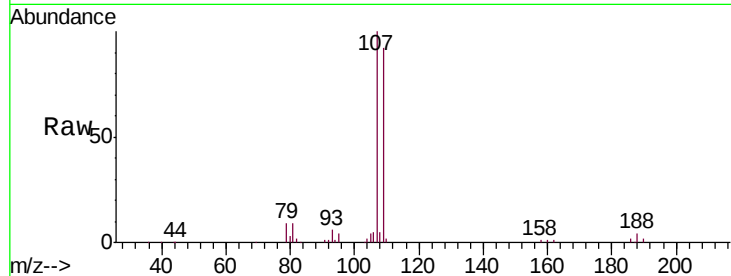




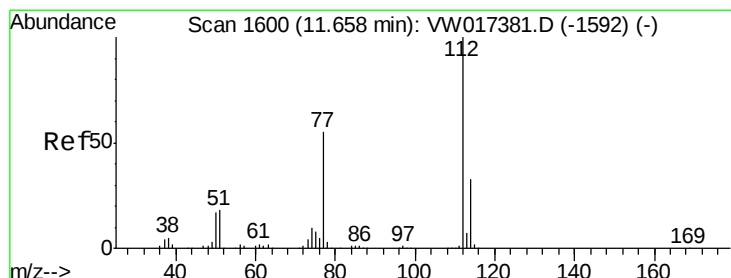
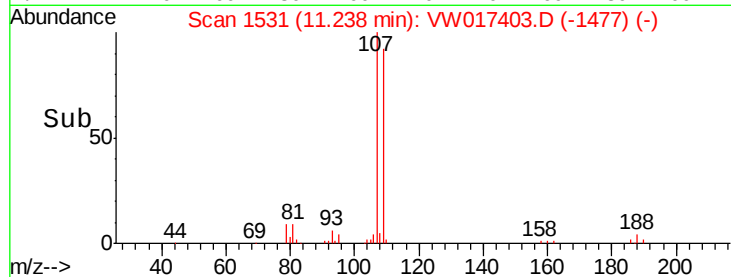
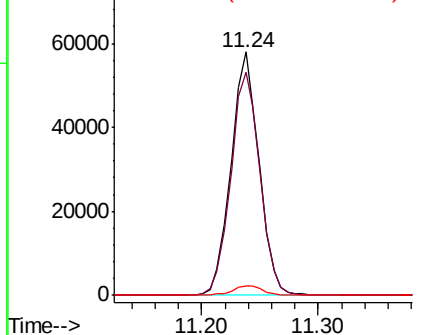
#51
1,2-Dibromoethane
Concen: 25.909 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW017403.D
Acq: 20 Nov 2020 05:02

Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

Tgt Ion:107 Resp: 97100
Ion Ratio Lower Upper
107 100
109 91.8 68.2 126.6
188 3.8 3.3 4.9

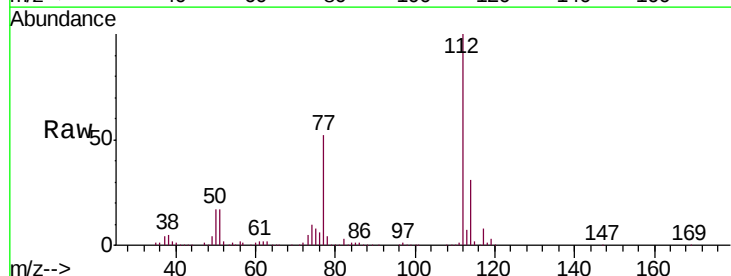


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

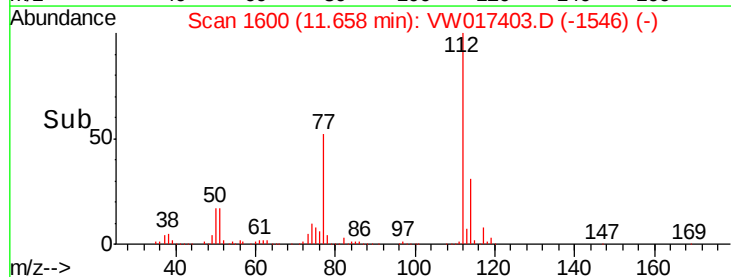
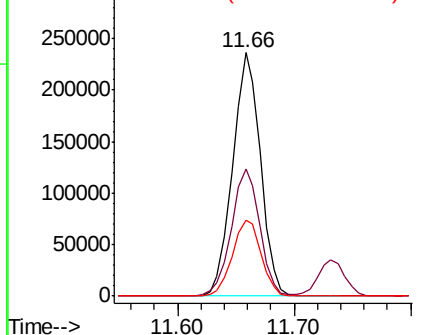


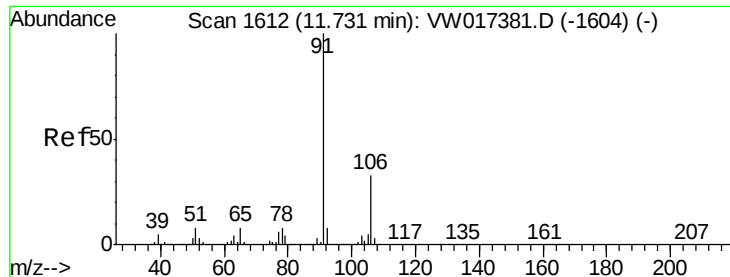
#52
Chlorobenzene
Concen: 24.780 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW017403.D
Acq: 20 Nov 2020 05:02

Tgt Ion:112 Resp: 392425
Ion Ratio Lower Upper
112 100
77 52.2 42.2 63.4
114 31.1 22.1 41.1



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V

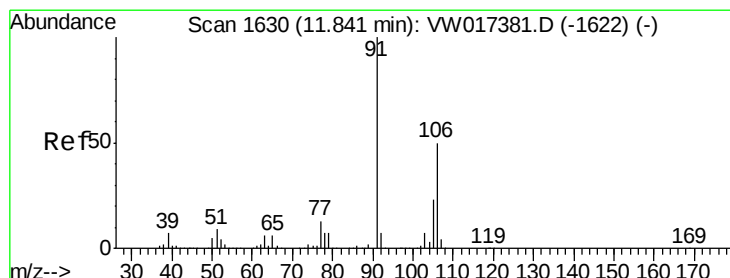
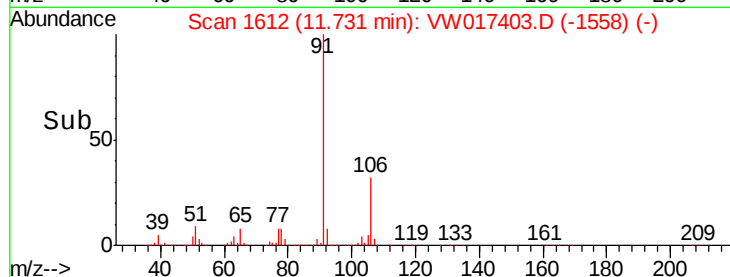
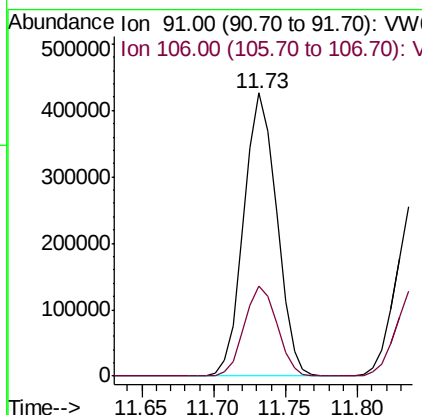
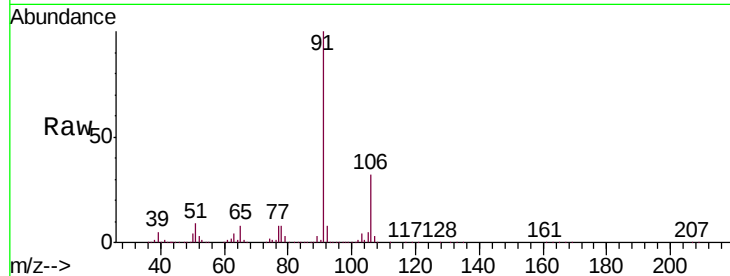




#53
Ethylbenzene
Concen: 25.426 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW017403.D
Acq: 20 Nov 2020 05:02

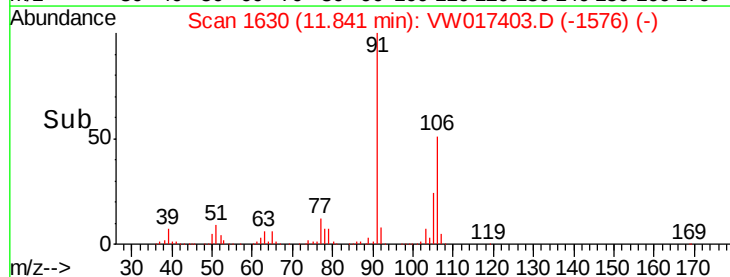
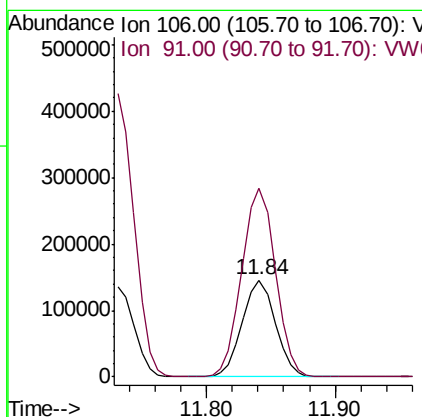
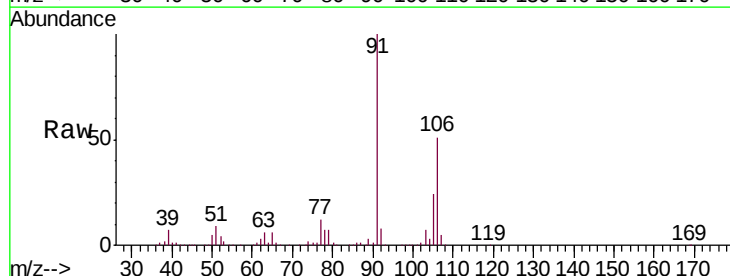
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

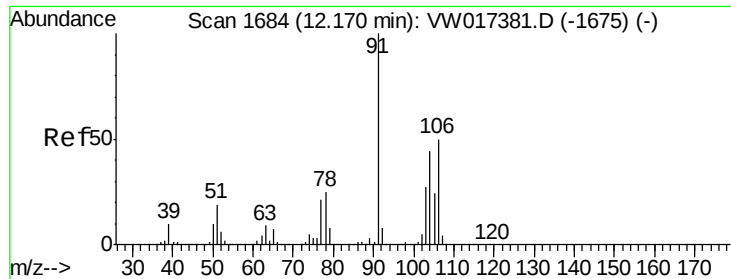
Tgt Ion: 91 Resp: 678110
Ion Ratio Lower Upper
91 100
106 31.6 20.8 38.6



#54
m,p-Xylene
Concen: 25.367 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW017403.D
Acq: 20 Nov 2020 05:02

Tgt Ion: 106 Resp: 260690
Ion Ratio Lower Upper
106 100
91 194.7 126.9 235.7

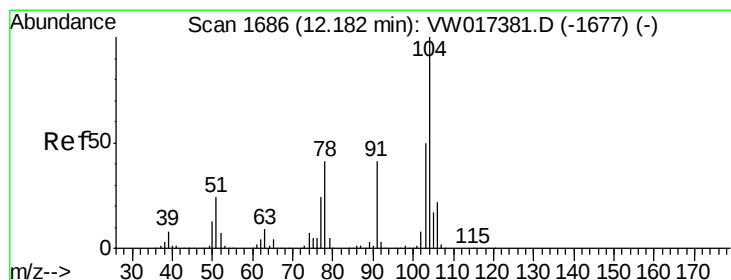
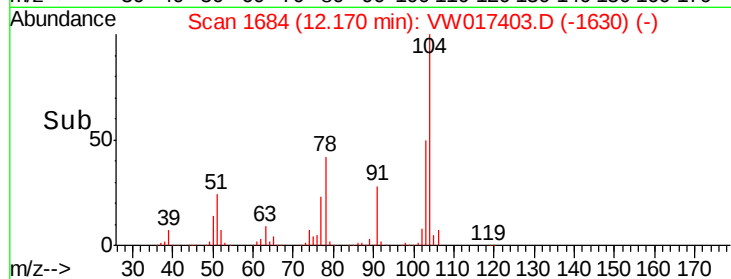
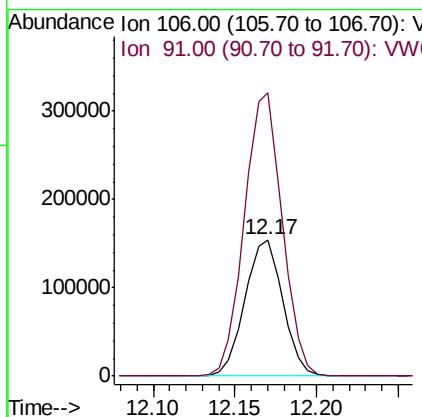
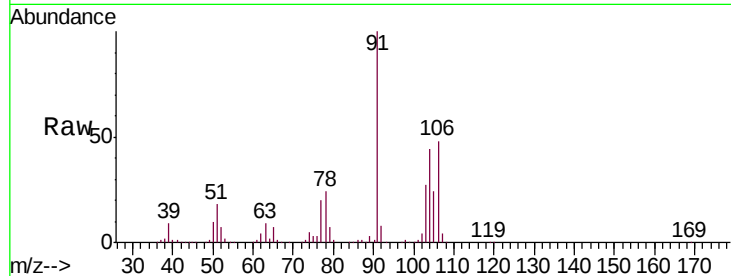




#55
o-xylene
Concen: 25.635 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW017403.D
Acq: 20 Nov 2020 05:02

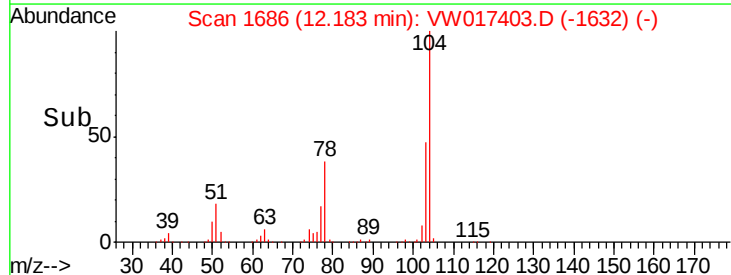
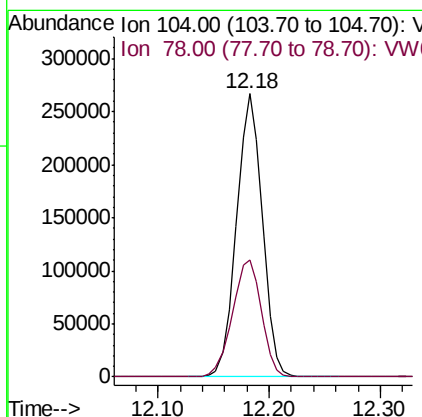
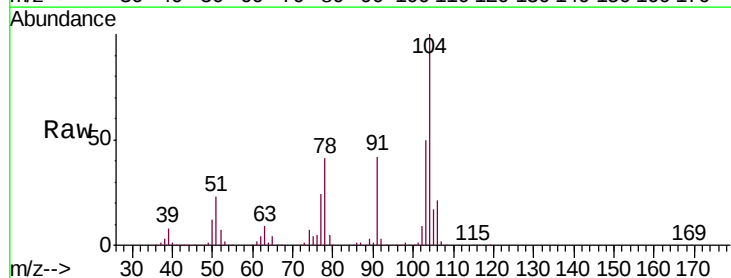
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

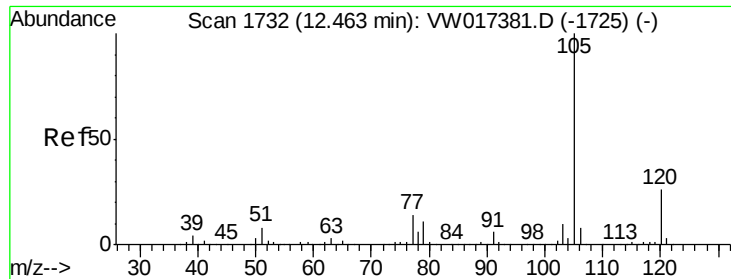
Tgt Ion:106 Resp: 249996
Ion Ratio Lower Upper
106 100
91 207.8 139.5 259.1



#56
Styrene
Concen: 26.452 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW017403.D
Acq: 20 Nov 2020 05:02

Tgt Ion:104 Resp: 427652
Ion Ratio Lower Upper
104 100
78 41.1 29.3 54.5





#57

Isopropylbenzene

Concen: 25.887 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017403.D

Acq: 20 Nov 2020 05:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

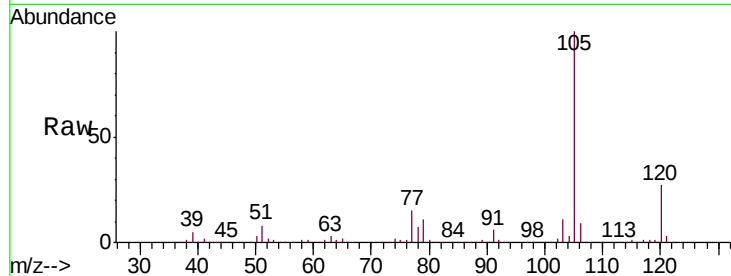
Tgt Ion: 105 Resp: 691352

Ion Ratio Lower Upper

105 100

120 26.8 21.6 32.4

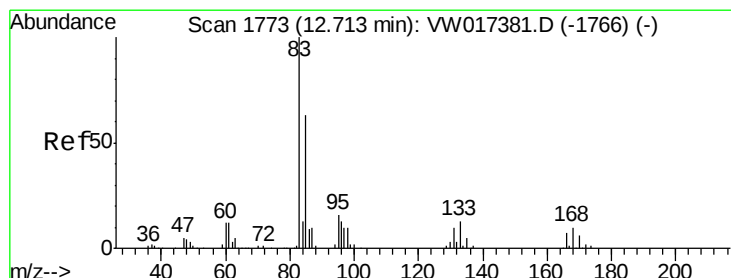
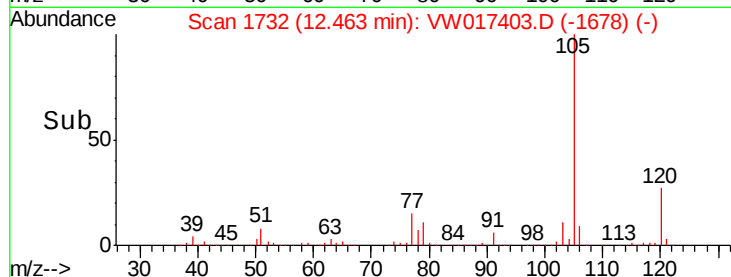
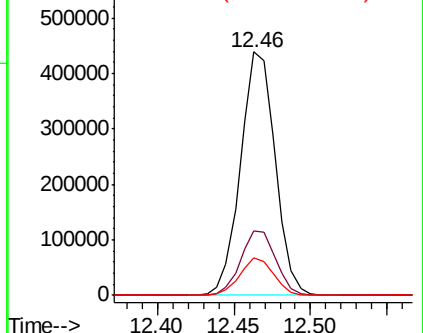
77 14.9 11.8 17.6



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: 27.212 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW017403.D

Acq: 20 Nov 2020 05:02

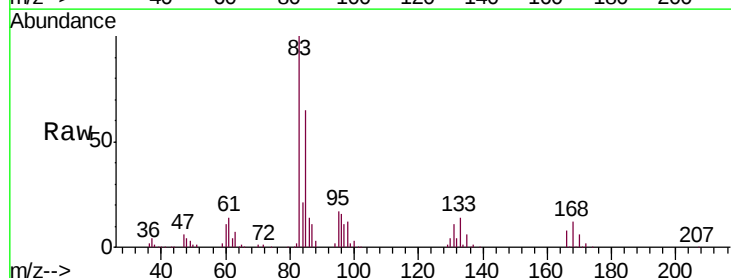
Tgt Ion: 83 Resp: 112609

Ion Ratio Lower Upper

83 100

85 64.8 44.2 82.0

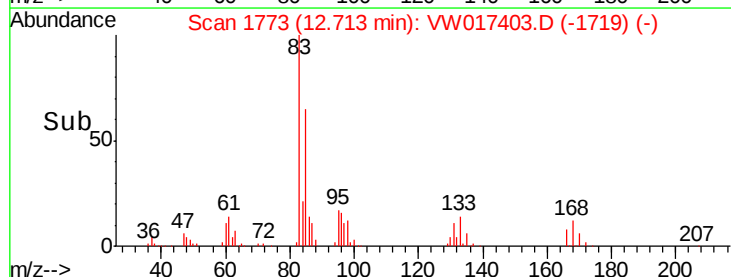
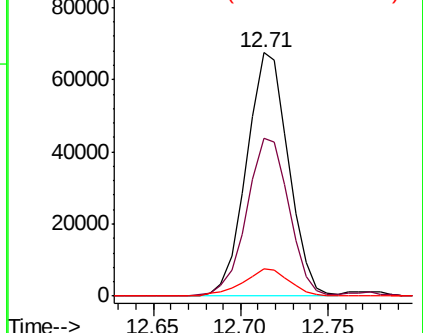
131 11.0 8.7 13.1

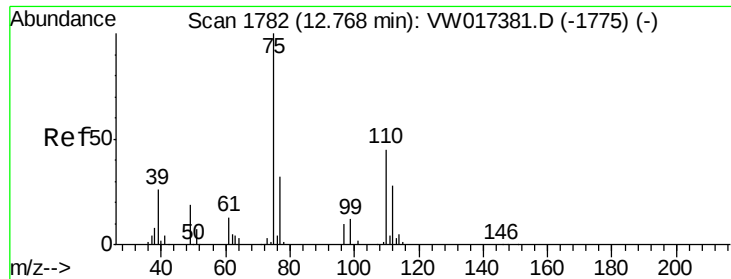


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.310 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW017403.D

Acq: 20 Nov 2020 05:02

Instrument :

MSVOA_W

ClientSampled :

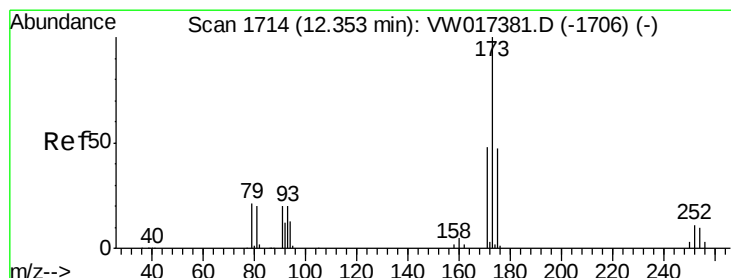
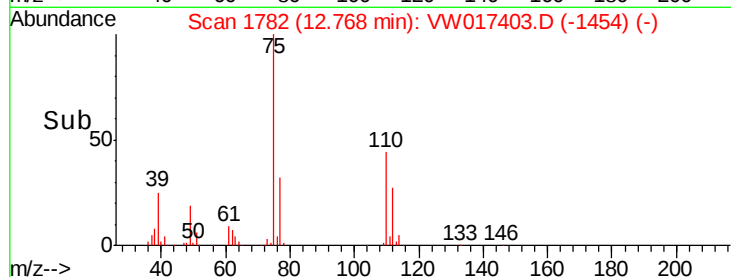
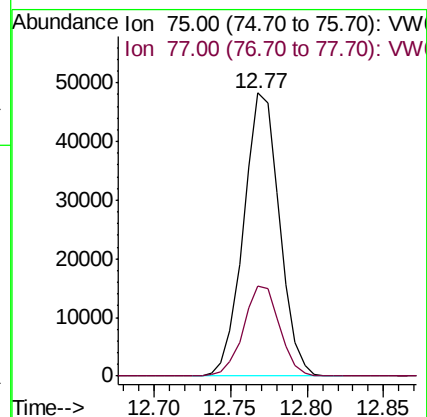
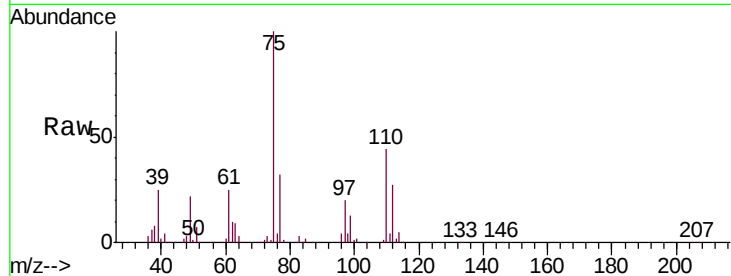
VSTD02516

Tgt Ion: 75 Resp: 78626

Ion Ratio Lower Upper

75 100

77 32.1 26.6 40.0



#62

Bromoform

Concen: 27.114 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW017403.D

Acq: 20 Nov 2020 05:02

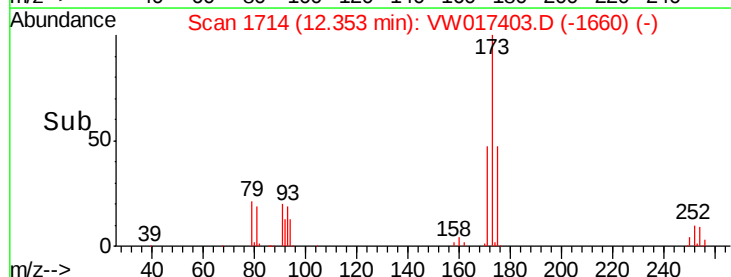
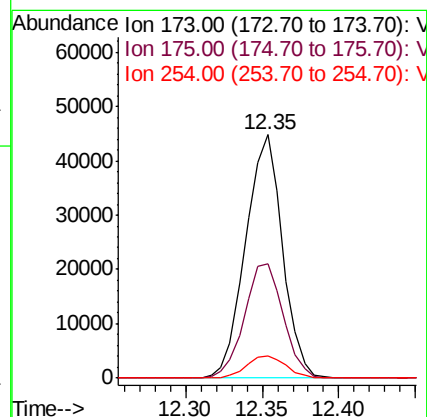
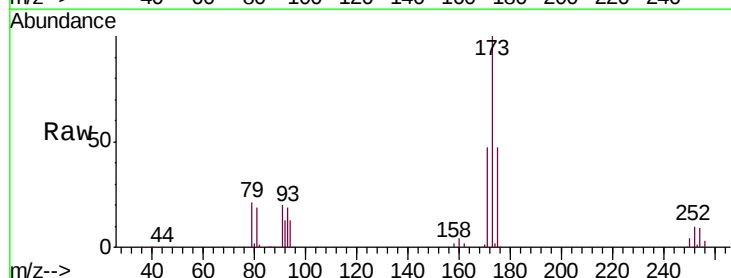
Tgt Ion: 173 Resp: 74985

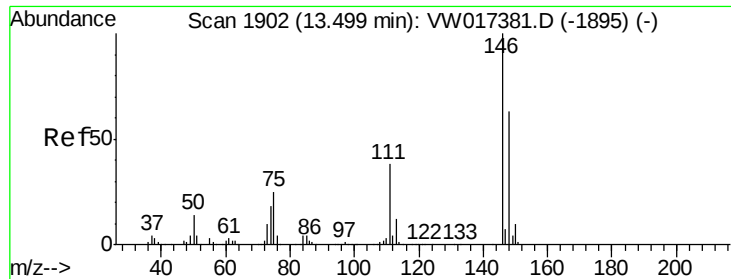
Ion Ratio Lower Upper

173 100

175 49.4 40.0 60.0

254 9.8 8.0 12.0

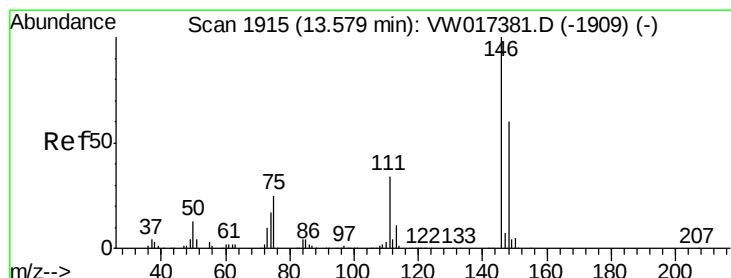
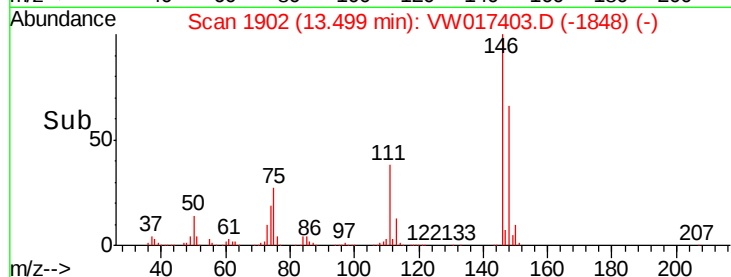
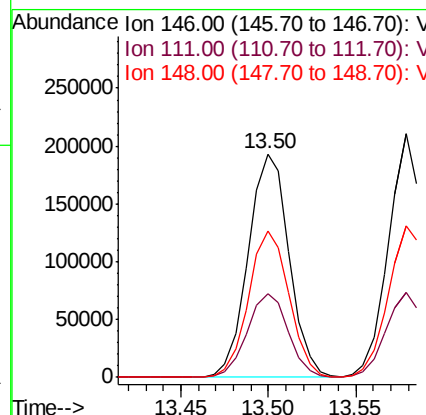
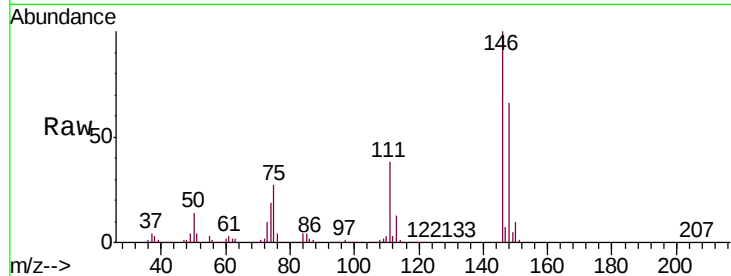




#63
 1,3-Dichlorobenzene
 Concen: 24.576 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW017403.D
 Acq: 20 Nov 2020 05:02

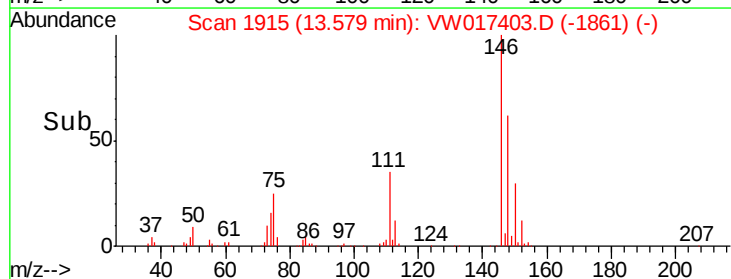
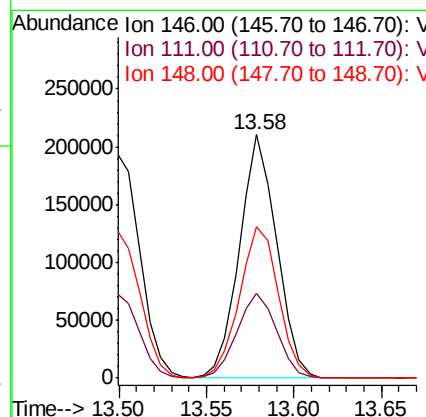
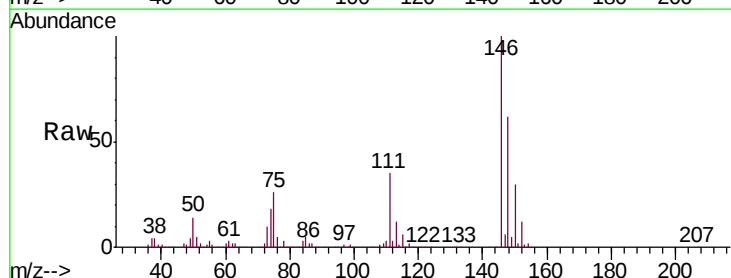
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

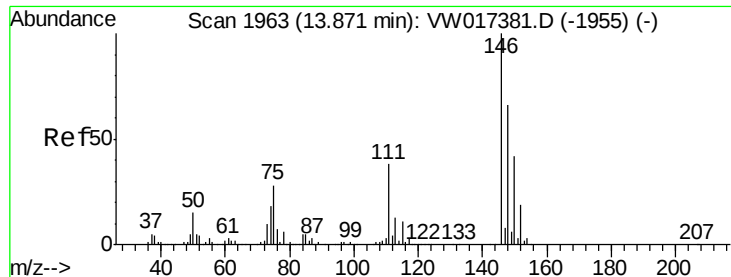
Tgt Ion:146 Resp: 314792
 Ion Ratio Lower Upper
 146 100
 111 37.6 24.5 45.5
 148 65.7 40.4 75.0



#64
 1,4-Dichlorobenzene
 Concen: 24.743 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017403.D
 Acq: 20 Nov 2020 05:02

Tgt Ion:146 Resp: 312701
 Ion Ratio Lower Upper
 146 100
 111 35.0 26.2 48.8
 148 62.1 45.2 84.0

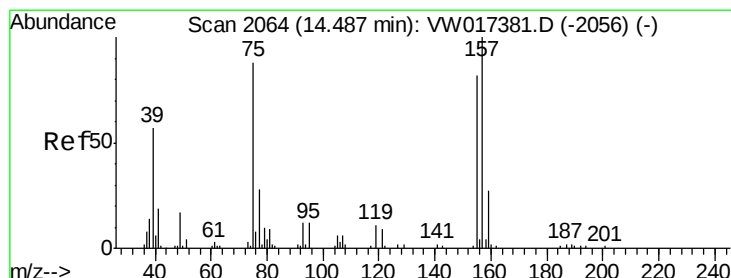
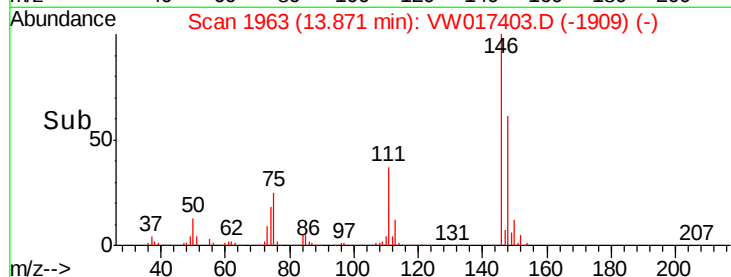
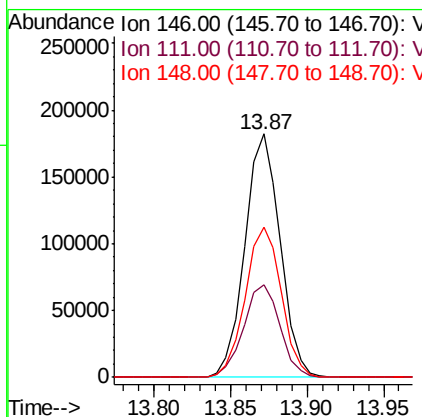
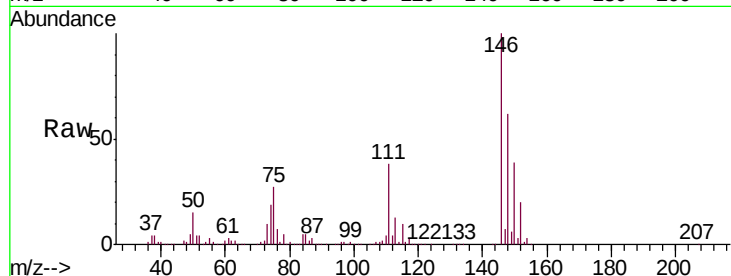




#65
 1,2-Dichlorobenzene
 Concen: 26.173 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW017403.D
 Acq: 20 Nov 2020 05:02

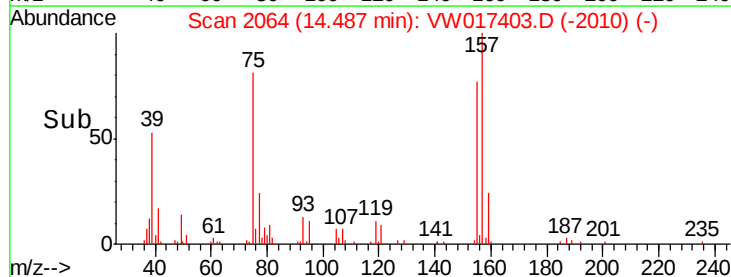
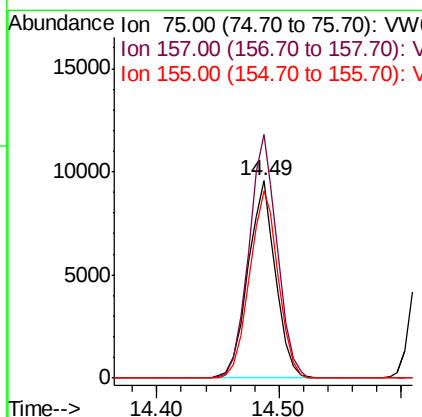
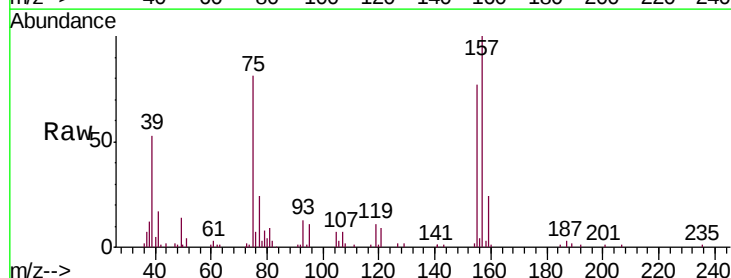
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

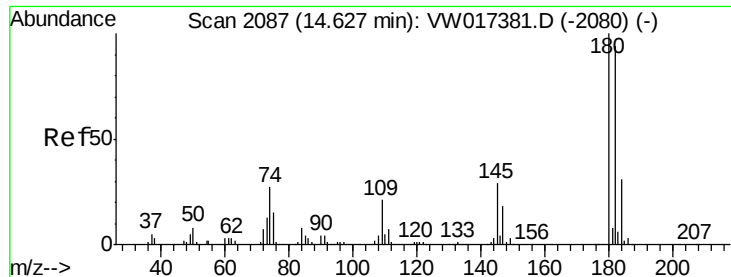
Tgt Ion: 146 Resp: 291390
 Ion Ratio Lower Upper
 146 100
 111 37.8 30.8 46.2
 148 61.5 49.0 73.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.016 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW017403.D
 Acq: 20 Nov 2020 05:02

Tgt Ion: 75 Resp: 14902
 Ion Ratio Lower Upper
 75 100
 157 123.5 106.7 160.1
 155 94.8 70.6 106.0

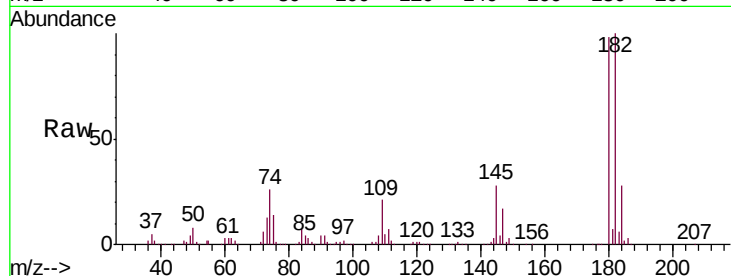




#67
 1,3,5-Trichlorobenzene
 Concen: 24.459 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW017403.D
 Acq: 20 Nov 2020 05:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.8	115.2
184	29.3	23.9	35.9
145	27.8	22.6	33.8



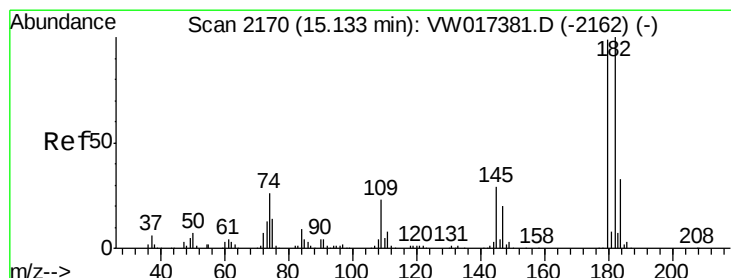
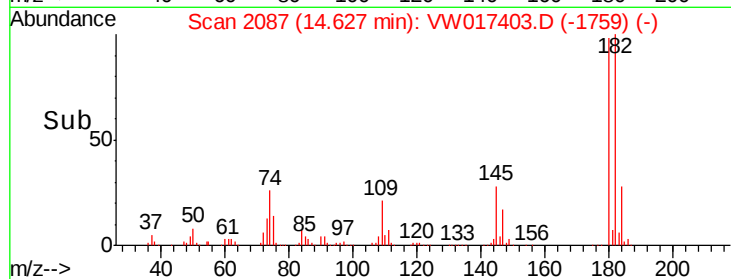
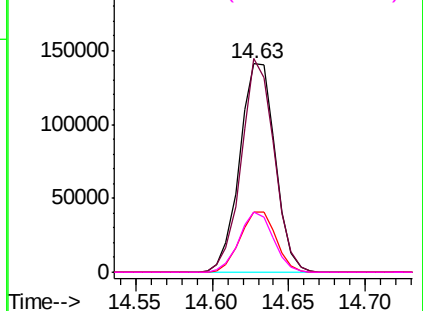
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

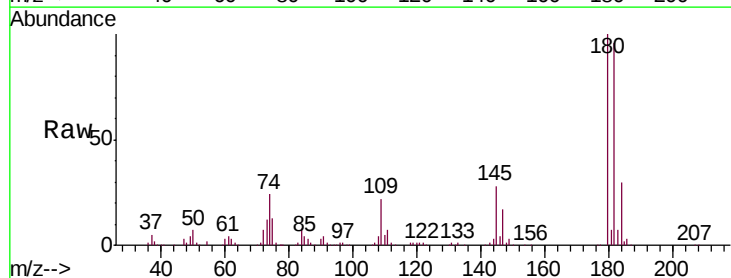
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 23.336 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW017403.D
 Acq: 20 Nov 2020 05:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	77.0	115.6
145	29.1	22.9	34.3

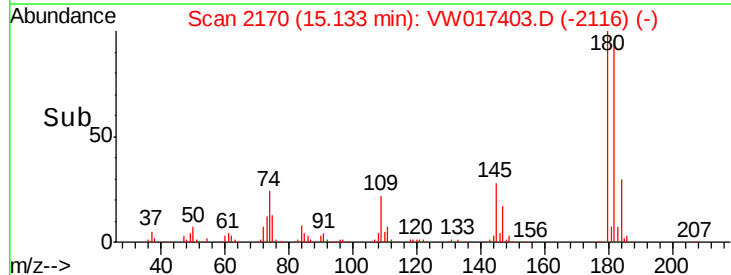
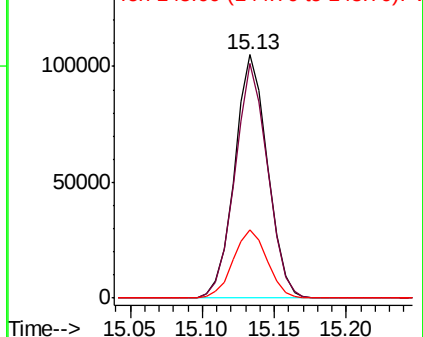


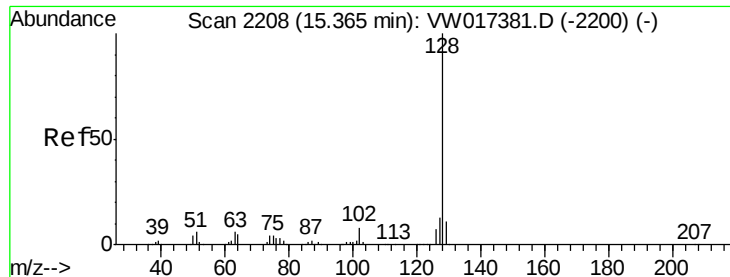
Abundance

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: 25.187 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW017403.D

Acq: 20 Nov 2020 05:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

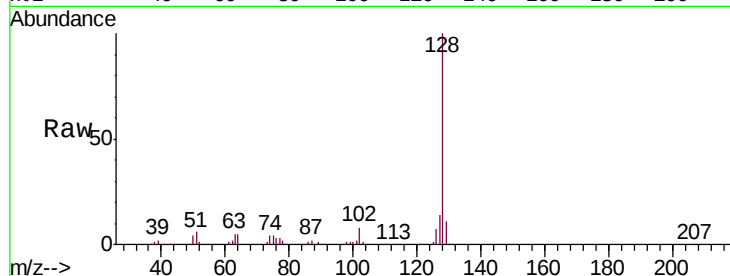
Tgt Ion:128 Resp: 258617

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

127 12.8 10.4 15.6



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

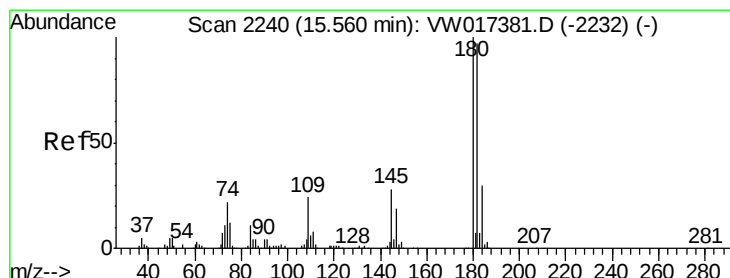
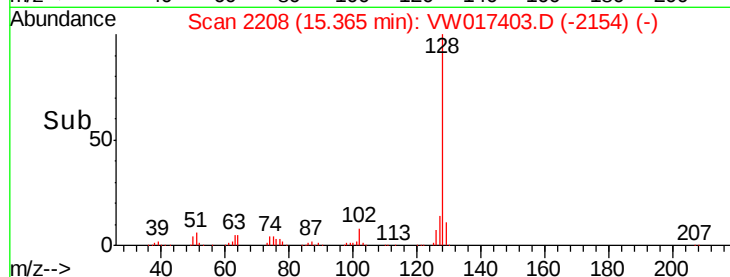
15.36

100000

50000

0

Time-->



#70

1,2,3-Trichlorobenzene

Concen: 22.529 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW017403.D

Acq: 20 Nov 2020 05:02

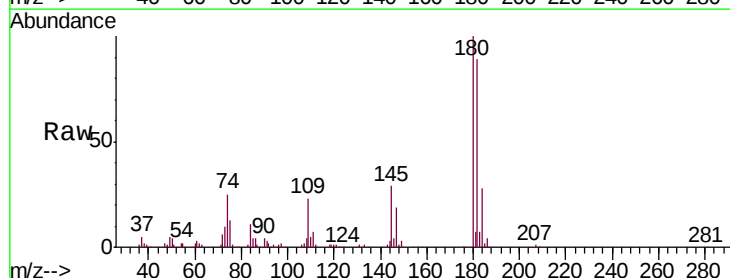
Tgt Ion:180 Resp: 141745

Ion Ratio Lower Upper

180 100

182 96.0 78.6 118.0

145 31.1 25.4 38.0



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

15.56

100000

80000

60000

40000

20000

0

Time-->

