

Data File : VW014768.D
Acq On : 27 Jan 2020 15:56
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

Quant Time: Jan 28 07:09:16 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.M
Quant Title : VOC Analysis
QLast Update : Mon Jan 27 15:38:15 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	842527	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	760961	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	372552	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	339859	25.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.88%
7) Chloroethane-d5	2.89	69	281484	24.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.32%
10) 1,1-Dichloroethene-d2	4.02	63	621897	25.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	103.00%
20) 2-Butanone-d5	7.07	46	249389	65.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	131.64%
24) Chloroform-d	7.64	84	587526	25.26	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.04%
26) 1,2-Dichloroethane-d4	8.30	65	327667	26.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.64%
29) Benzene-d6	8.27	84	1212728	25.32	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.28%
33) 1,2-Dichloropropane-d6	9.27	67	378048	25.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.56%
37) Toluene-d8	10.32	98	1089442	25.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.16%
38) trans-1,3-Dichloropropene-	10.57	79	155881	26.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.12%
39) 2-Hexanone-d5	10.92	63	193213	69.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	138.32%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	333313	28.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	114.12%
61) 1,2-Dichlorobenzene-d4	13.85	152	372262	25.50	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	262135	25.301 ug/L	97
3) Chloromethane	2.21	50	277329	22.945 ug/L	99
5) Vinyl chloride	2.36	62	430791	25.334 ug/L	99
6) Bromomethane	2.78	94	210139	23.640 ug/L	100
8) Chloroethane	2.92	64	235433	25.556 ug/L	99
9) Trichlorofluoromethane	3.26	101	206507	25.290 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	299678	25.694 ug/L	99
12) 1,1-Dichloroethene	4.04	96	295867	25.724 ug/L	95
13) Acetone	4.11	43	258830	63.778 ug/L	99
14) Carbon disulfide	4.38	76	953670	25.330 ug/L	98
15) Methyl Acetate	4.67	43	199138	32.880 ug/L	98
16) Methylene chloride	4.91	84	316392	22.221 ug/L	99
17) Methyl tert-butyl Ether	5.42	73	422450	27.787 ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	300375	25.277 ug/L	99
19) 1,1-Dichloroethane	6.21	63	557834	25.032 ug/L	99
21) 2-Butanone	7.17	43	300440	66.118 ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	313765	25.219 ug/L	100

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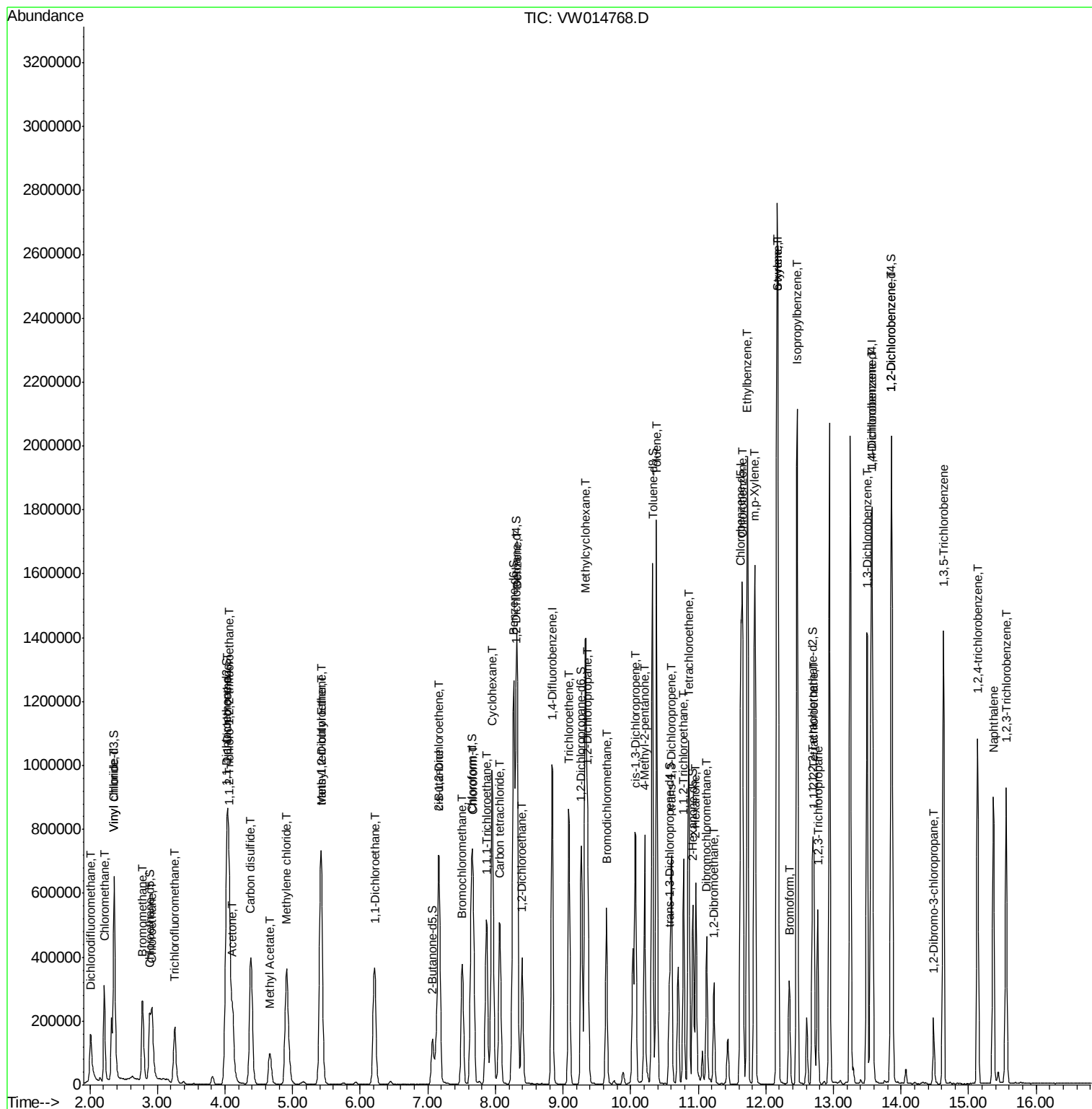
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	134450	24.730	ug/L	96
25) Chloroform	7.67	83	523438	25.174	ug/L	99
27) 1,2-Dichloroethane	8.40	62	358260	26.078	ug/L	98
30) Cyclohexane	7.95	56	567166	27.294	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	422511	25.428	ug/L	99
32) Carbon tetrachloride	8.06	117	394447	25.331	ug/L	99
34) Benzene	8.32	78	1234517	25.331	ug/L	100
35) Trichloroethene	9.09	95	306674	24.770	ug/L	98
36) Methylcyclohexane	9.33	83	572121	26.562	ug/L	100
40) 1,2-Dichloropropane	9.37	63	311435	25.207	ug/L	99
41) Bromodichloromethane	9.64	83	371930	25.189	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	476956	26.431	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	524649	64.582	ug/L	99
44) Toluene	10.38	91	1278982	25.827	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	392841	26.817	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	225726	26.764	ug/L	99
47) Tetrachloroethene	10.86	164	249779	25.250	ug/L	99
49) 2-Hexanone	10.96	43	400684	68.602	ug/L	99
50) Dibromochloromethane	11.13	129	251495	26.135	ug/L	96
51) 1,2-Dibromoethane	11.23	107	220798	27.216	ug/L	100
52) Chlorobenzene	11.65	112	774226	25.038	ug/L	98
53) Ethylbenzene	11.73	91	1408439	26.026	ug/L	100
54) m,p-Xylene	11.84	106	530572	26.228	ug/L	91
55) o-xylene	12.16	106	490889	25.862	ug/L	98
56) Styrene	12.18	104	851083	26.438	ug/L	100
57) Isopropylbenzene	12.46	105	1334696	25.963	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	303447	27.925	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	235080	28.800	ug/L	100
62) Bromoform	12.35	173	155305	26.557	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	597685	24.849	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	600099	24.895	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	550451	25.161	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	53692	29.923	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	454616	25.519	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	357631	27.050	ug/L	100
69) Naphthalene	15.36	128	760974	31.824	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	334814	27.621	ug/L	100

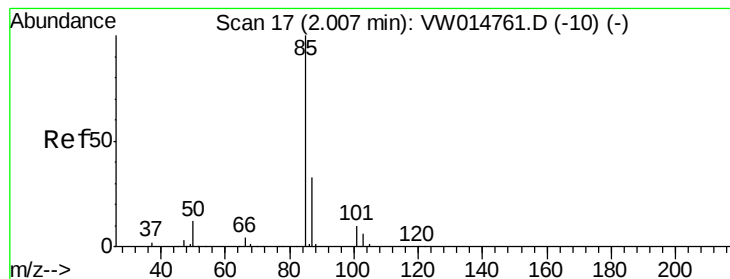
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 25.301 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW014768.D

Acq: 27 Jan 2020 15:56

Instrument :

MSVOA_W

ClientSampleId :

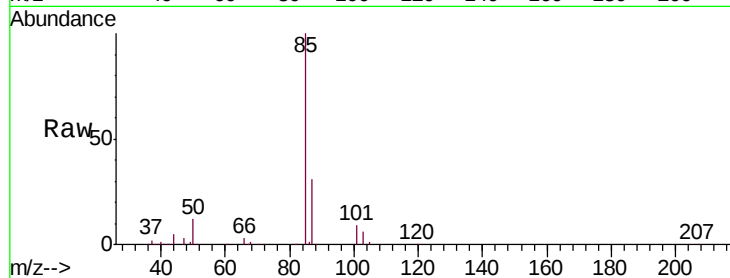
VSTD02524

Tgt Ion: 85 Resp: 262135

Ion Ratio Lower Upper

85 100

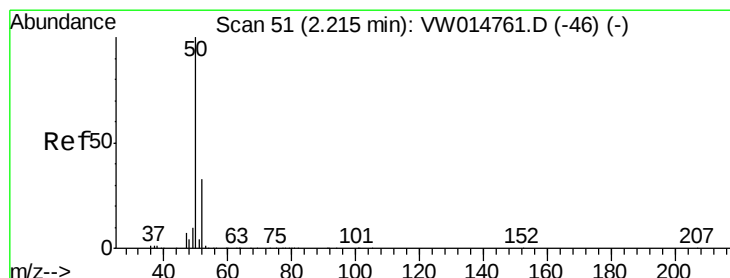
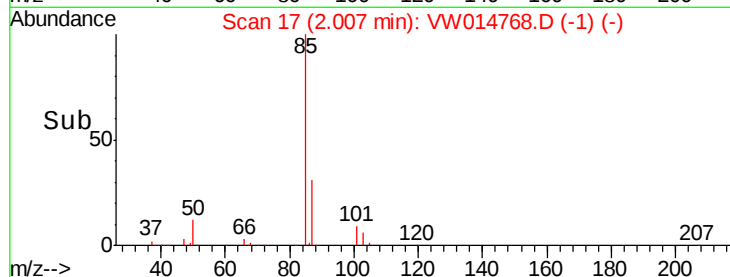
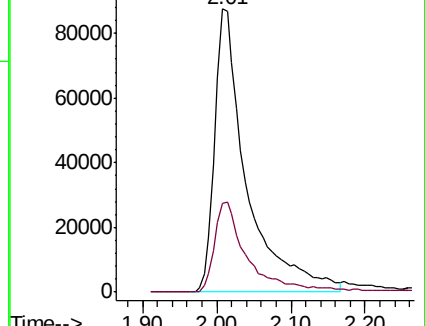
87 29.9 22.0 40.8



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW

2.01



#3

Chloromethane

Concen: 22.945 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW014768.D

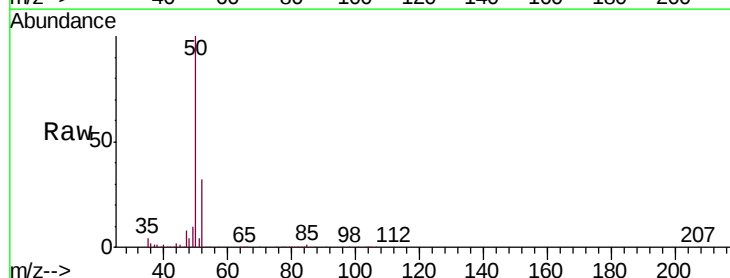
Acq: 27 Jan 2020 15:56

Tgt Ion: 50 Resp: 277329

Ion Ratio Lower Upper

50 100

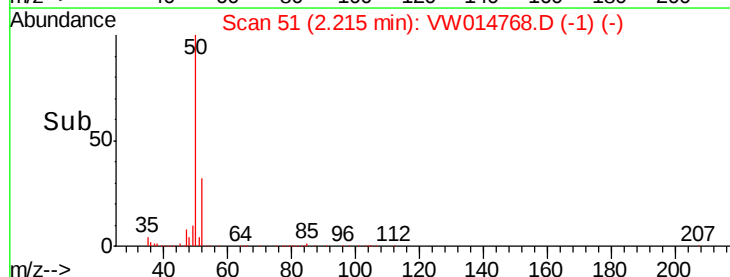
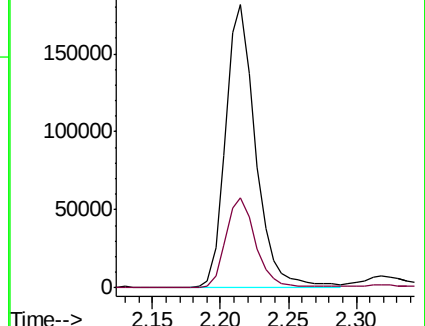
52 32.0 22.9 42.5

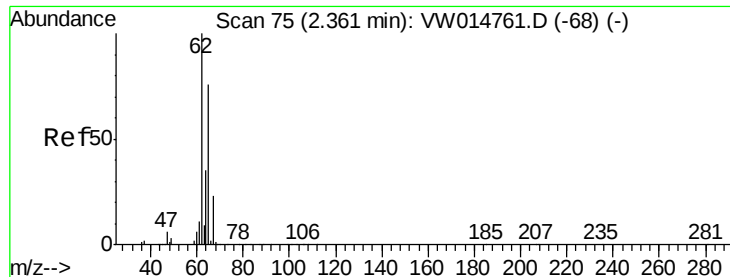


Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW

2.21





#5

Vinyl chloride

Concen: 25.334 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW014768.D

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Instrument :

MSVOA_W

ClientSampleId :

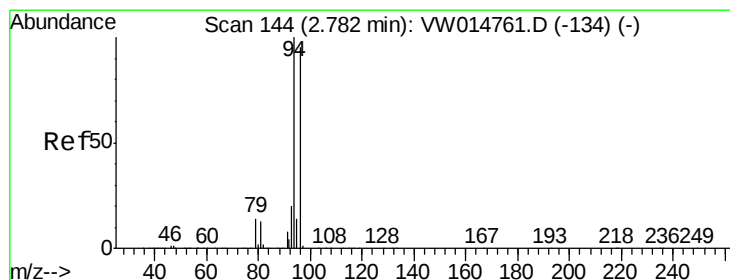
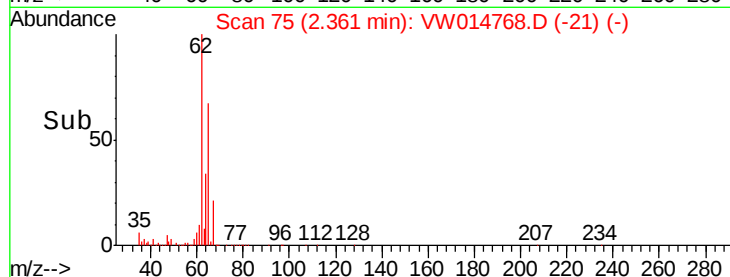
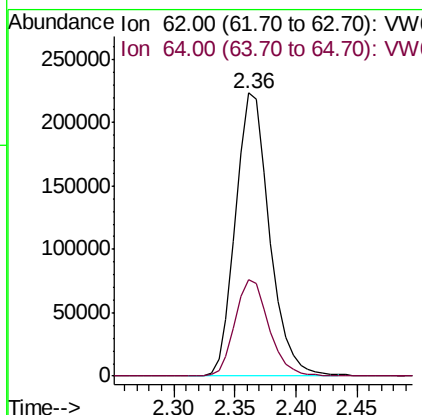
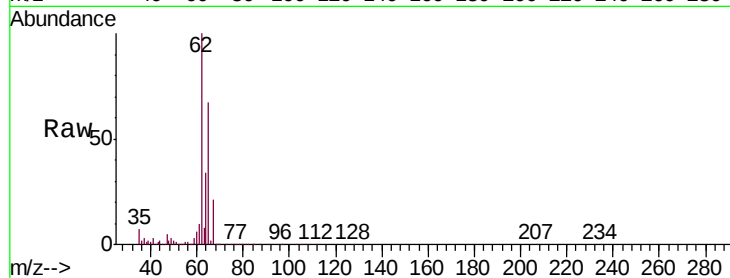
VSTD02524

Tgt Ion: 62 Resp: 430791

Ion Ratio Lower Upper

62 100

64 34.0 24.3 45.1



#6

Bromomethane

Concen: 23.640 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW014768.D

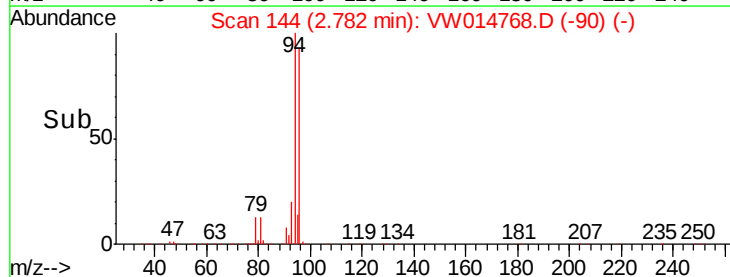
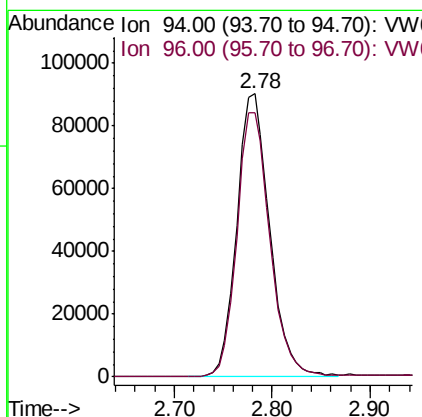
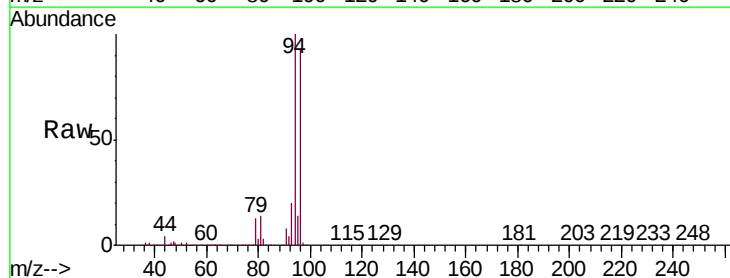
Acq: 27 Jan 2020 15:56

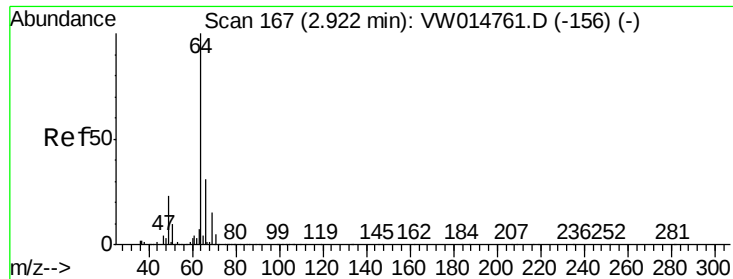
Tgt Ion: 94 Resp: 210139

Ion Ratio Lower Upper

94 100

96 93.5 9.3 177.7





#8

Chloroethane

Concen: 25.556 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW014768.D

Acq: 27 Jan 2020 15:56

Instrument :

MSVOA_W

ClientSampleId :

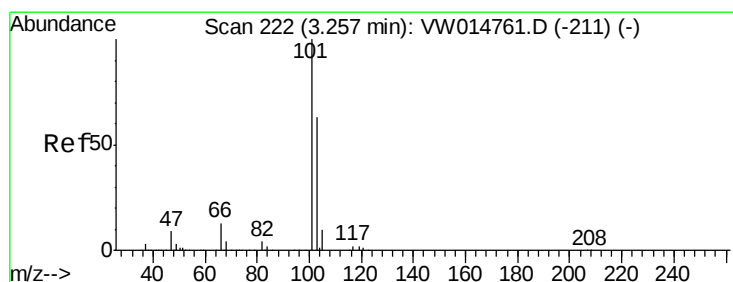
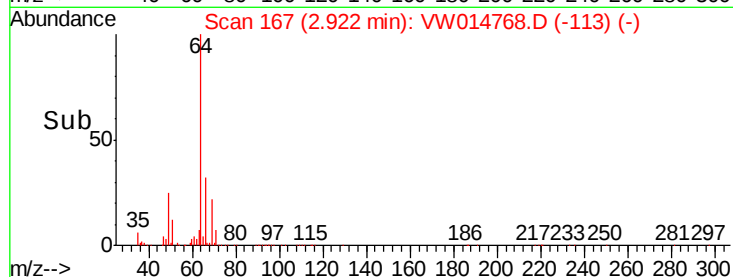
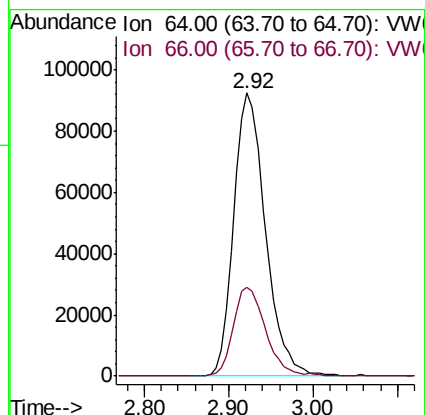
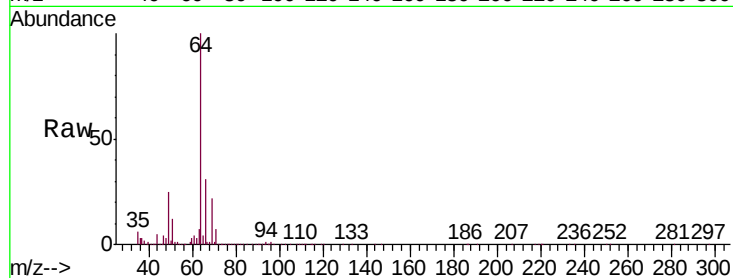
VSTD02524

Tgt Ion: 64 Resp: 235433

Ion Ratio Lower Upper

64 100

66 31.5 21.8 40.4



#9

Trichlorofluoromethane

Concen: 25.290 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW014768.D

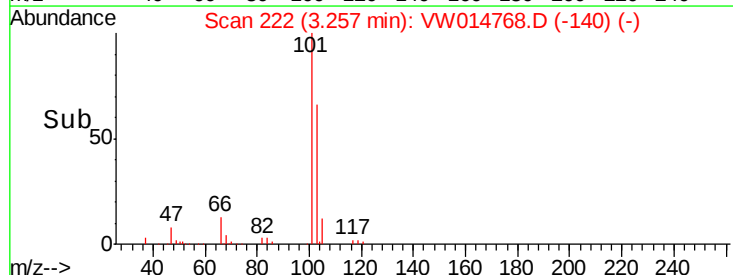
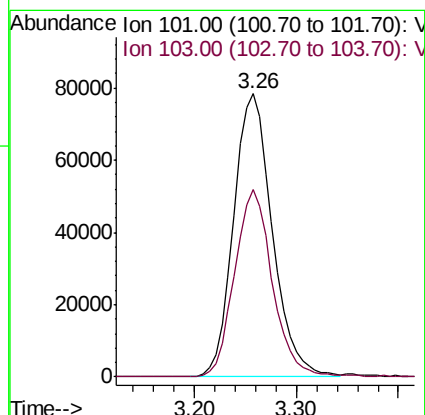
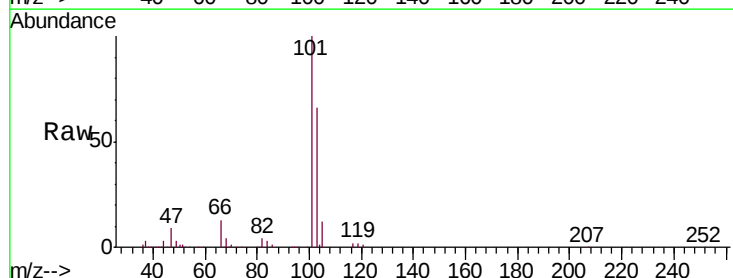
Acq: 27 Jan 2020 15:56

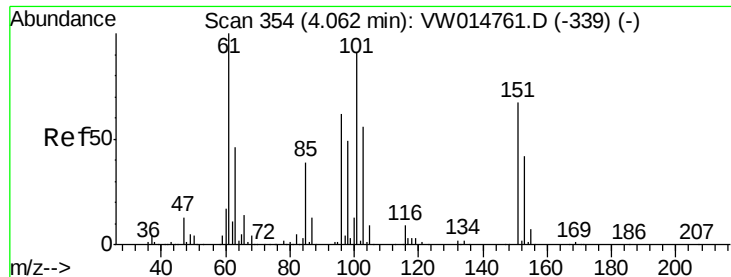
Tgt Ion: 101 Resp: 206507

Ion Ratio Lower Upper

101 100

103 64.4 45.1 83.9





#11

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

Concen: 25.694 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW014768.D

Acq: 27 Jan 2020 15:56

Instrument :

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ClientSampleId :

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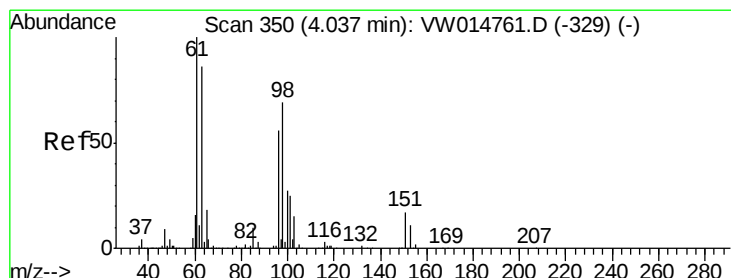
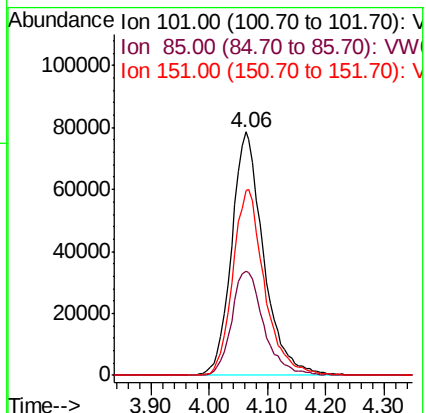
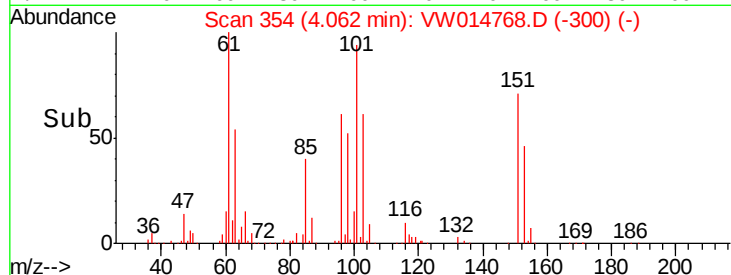
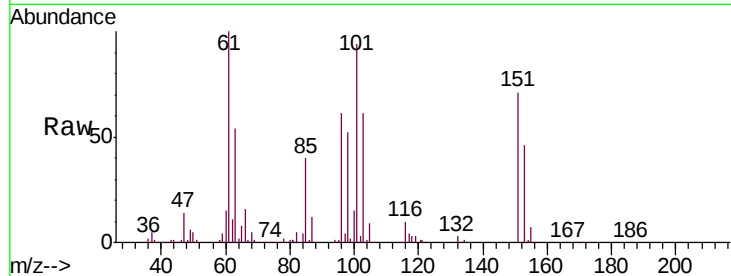
Tgt Ion: 101 Resp: 299678

Ion Ratio Lower Upper

101 100

85 42.9 33.8 50.6

151 74.3 59.7 89.5



#12

1,1-Dichloroethene

Concen: 25.724 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW014768.D

Acq: 27 Jan 2020 15:56

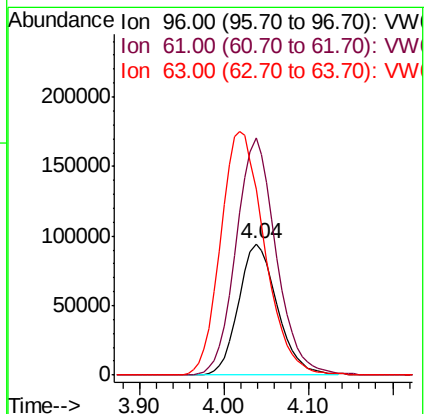
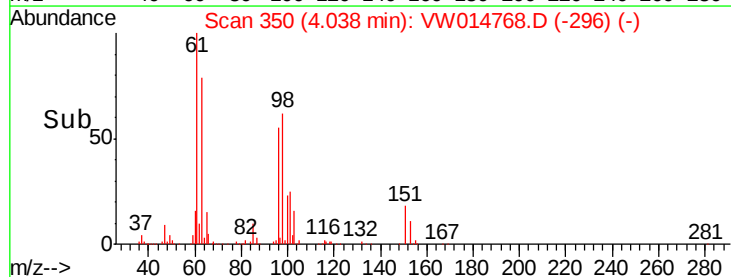
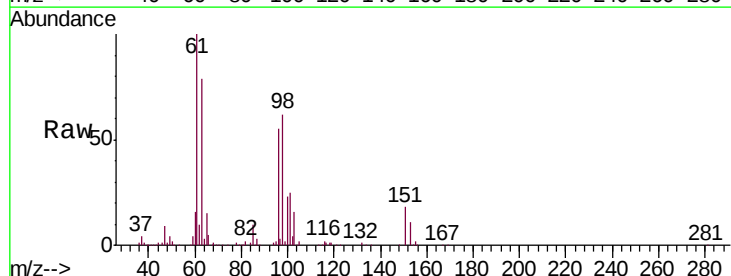
Tgt Ion: 96 Resp: 295867

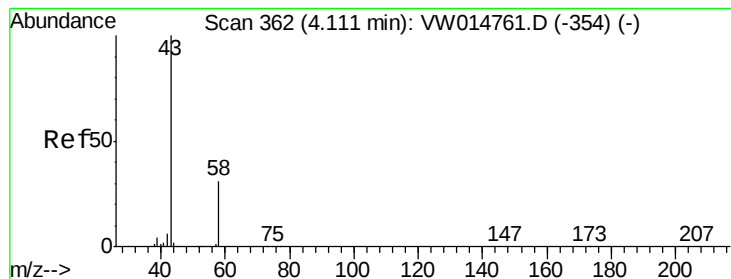
Ion Ratio Lower Upper

96 100

61 180.4 124.3 230.9

63 141.8 107.0 198.6





#13

Acetone

Concen: 63.778 ug/L

RT: 4.11 min Scan# 362

Delta R.T. 0.00 min

Lab File: VW014768.D

Acq: 27 Jan 2020 15:56

Instrument :

MSVOA_W

ClientSampled :

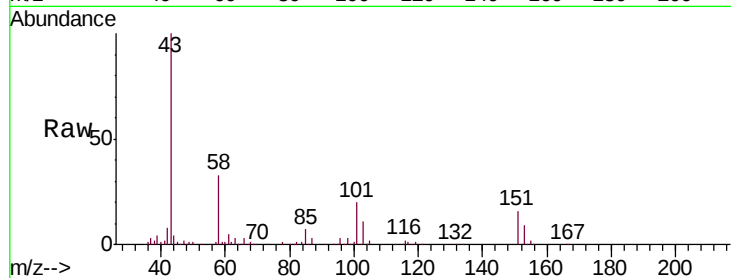
VSTD02524

Tgt Ion: 43 Resp: 258830

Ion Ratio Lower Upper

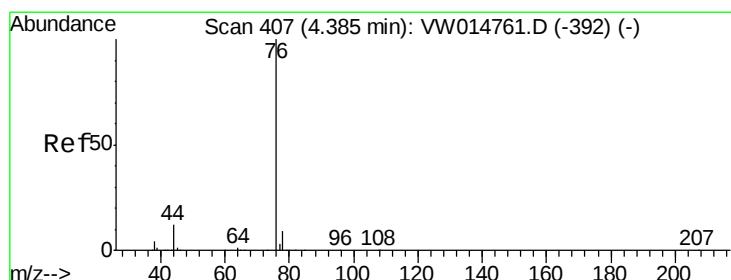
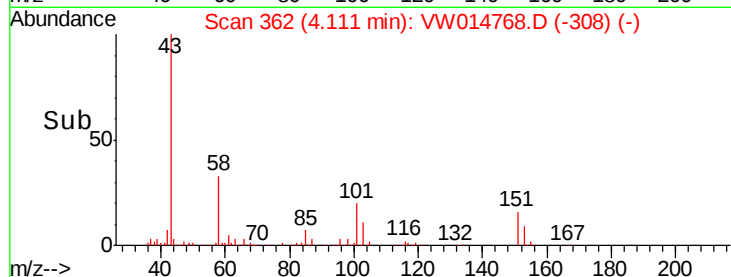
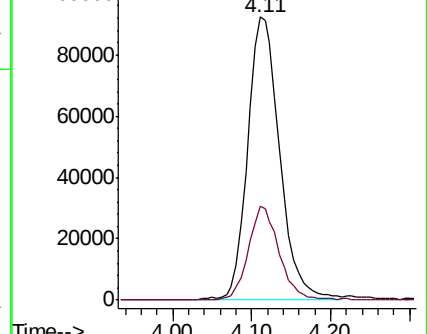
43 100

58 31.9 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 25.330 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

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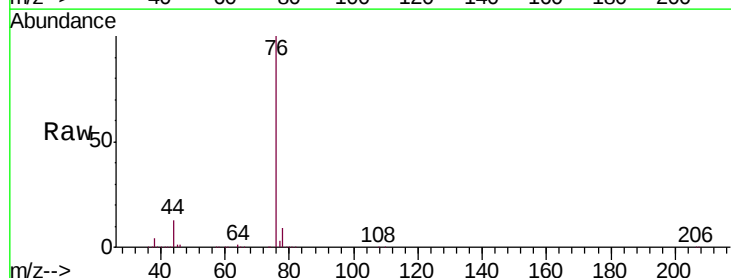
Acq: 27 Jan 2020 15:56

Tgt Ion: 76 Resp: 953670

Ion Ratio Lower Upper

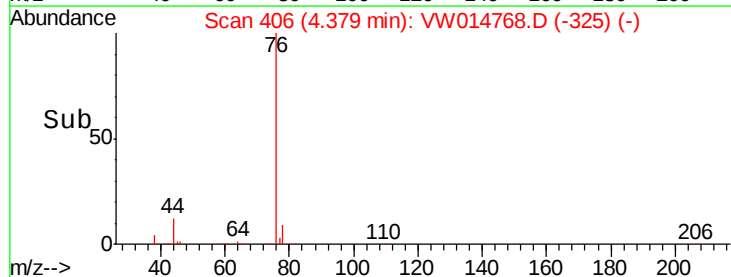
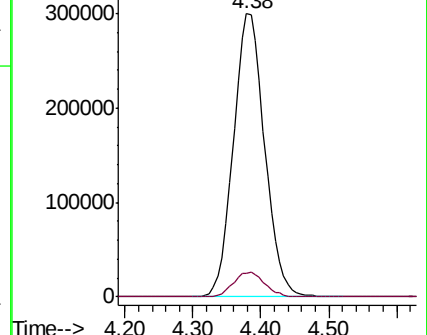
76 100

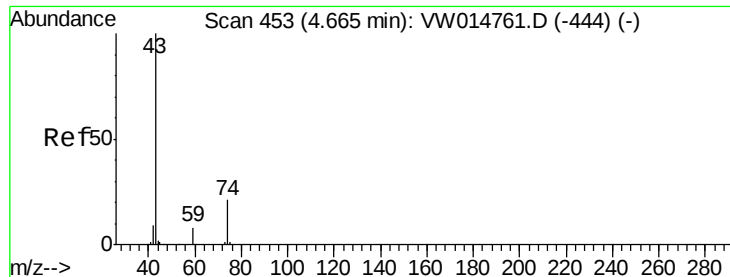
78 8.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

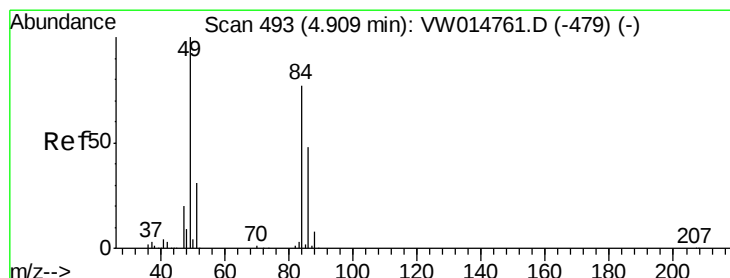
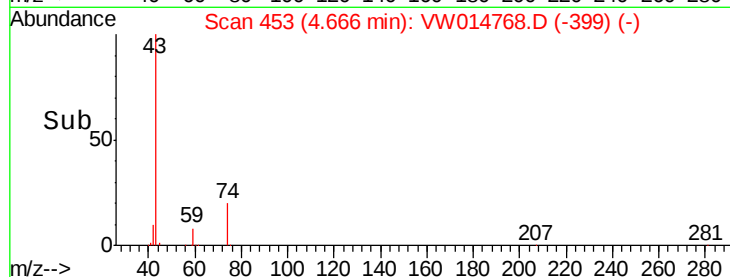
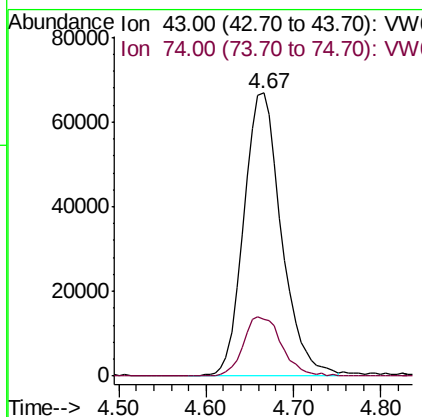
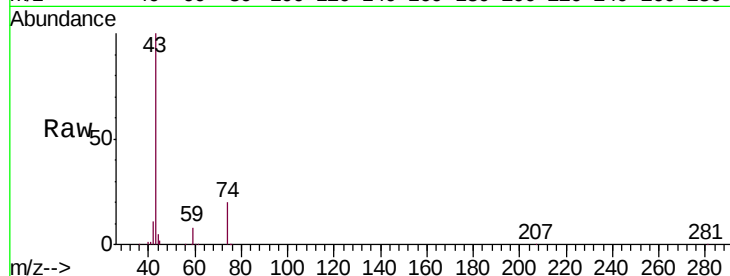




#15
Methyl Acetate
Concen: 32.880 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW014768.D
Acq: 27 Jan 2020 15:56

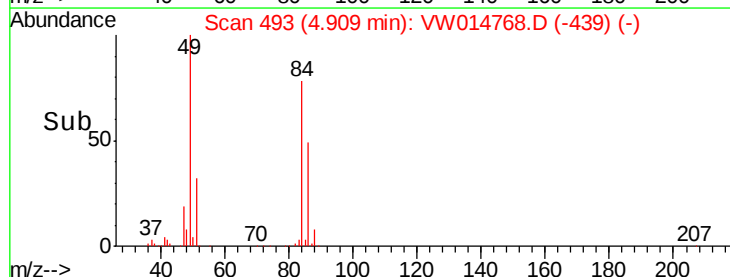
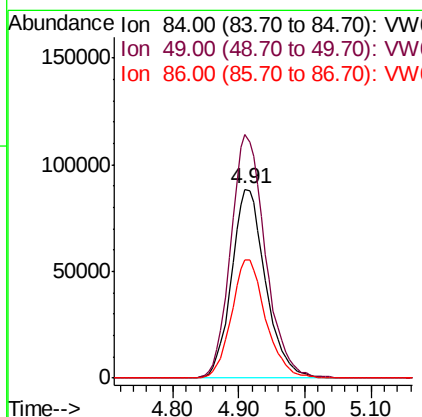
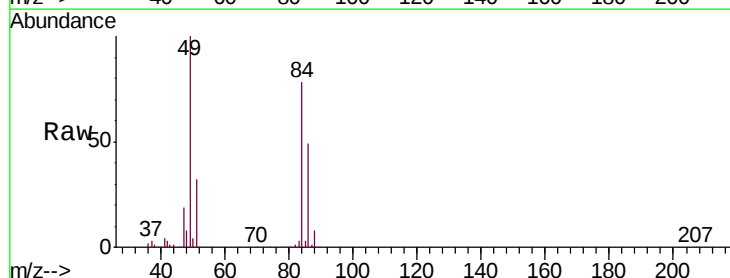
Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

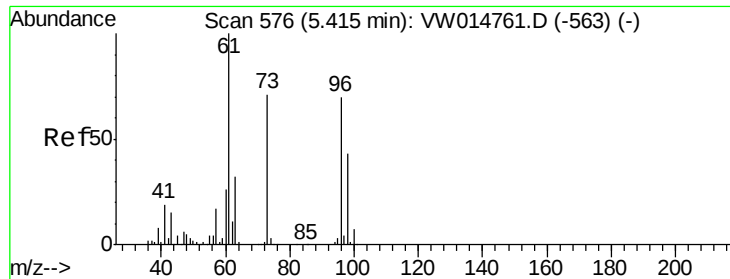
Tgt Ion: 43 Resp: 199138
Ion Ratio Lower Upper
43 100
74 21.4 18.0 27.0



#16
Methylene chloride
Concen: 22.221 ug/L
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW014768.D
Acq: 27 Jan 2020 15:56

Tgt Ion: 84 Resp: 316392
Ion Ratio Lower Upper
84 100
49 128.8 90.9 168.7
86 62.8 43.5 80.7

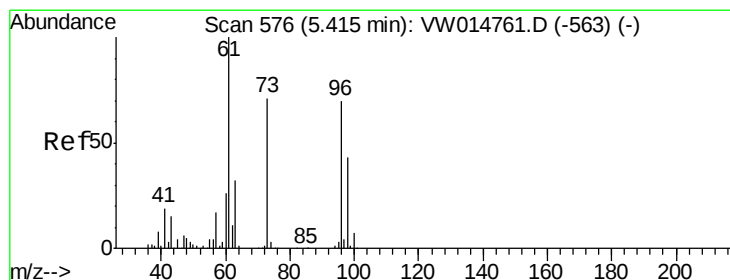
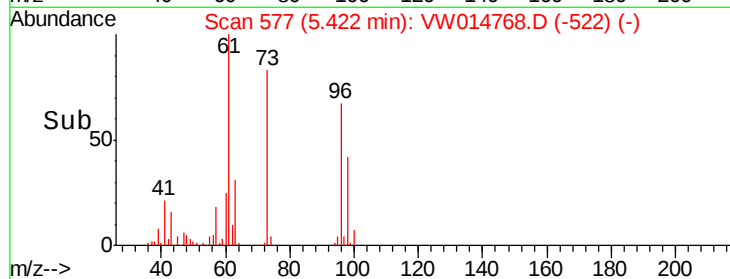
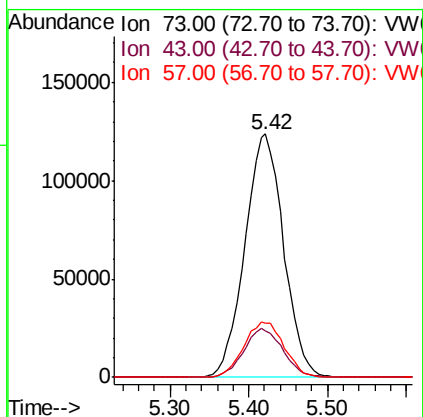
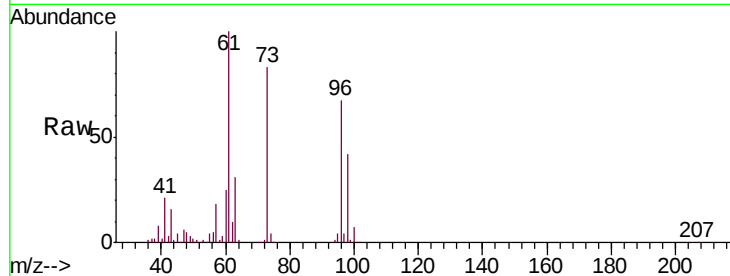




#17
Methyl tert-butyl Ether
Concen: 27.787 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW014768.D
Acq: 27 Jan 2020 15:56

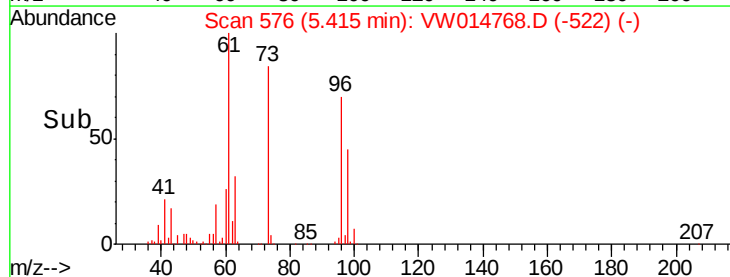
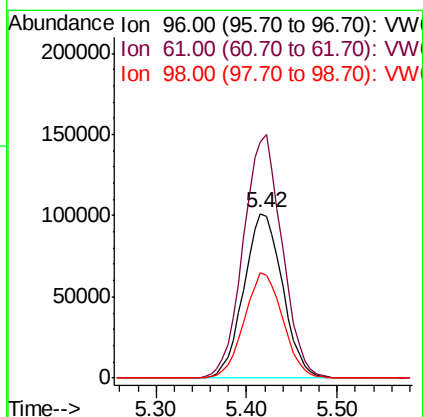
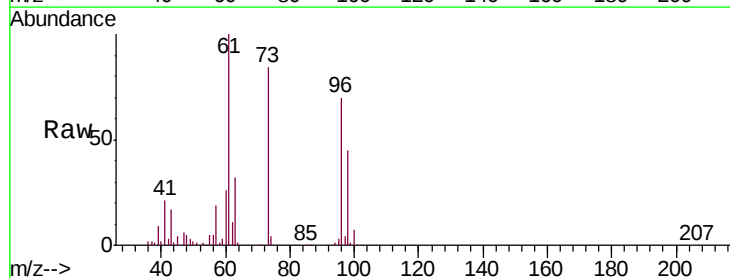
Instrument :
MSVOA_W
ClientSampled :
VSTD02524

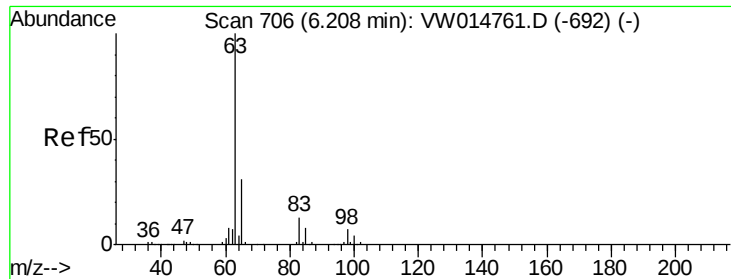
Tgt Ion: 73 Resp: 422450
Ion Ratio Lower Upper
73 100
43 20.4 16.2 24.4
57 23.5 19.1 28.7



#18
trans-1,2-Dichloroethene
Concen: 25.277 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW014768.D
Acq: 27 Jan 2020 15:56

Tgt Ion: 96 Resp: 300375
Ion Ratio Lower Upper
96 100
61 143.5 100.2 186.0
98 64.1 43.1 80.1

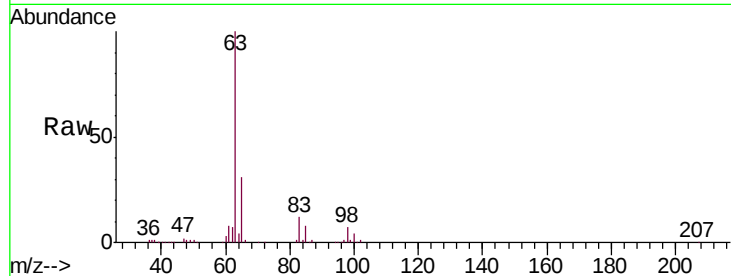




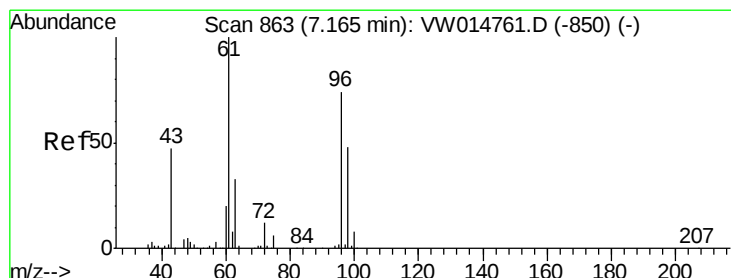
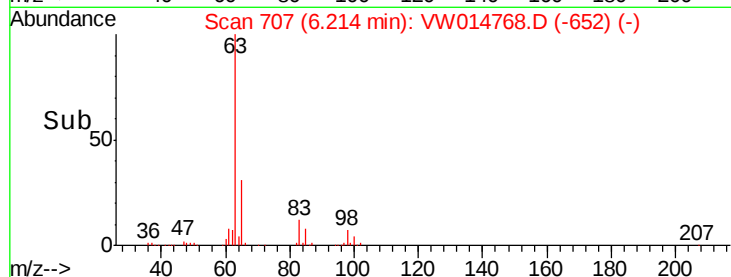
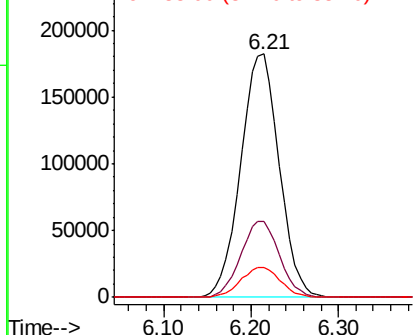
#19
 1,1-Dichloroethane
 Concen: 25.032 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.01 min
 Lab File: VW014768.D
 Acq: 27 Jan 2020 15:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

Tgt Ion: 63 Resp: 557834
 Ion Ratio Lower Upper
 63 100
 65 31.3 21.7 40.3
 83 12.2 8.8 16.4

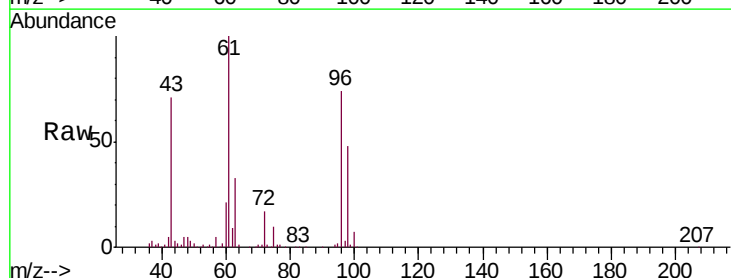


Abundance Ion 63.00 (62.70 to 63.70): VW
 250000
 Ion 65.00 (64.70 to 65.70): VW
 Ion 83.00 (82.70 to 83.70): VW

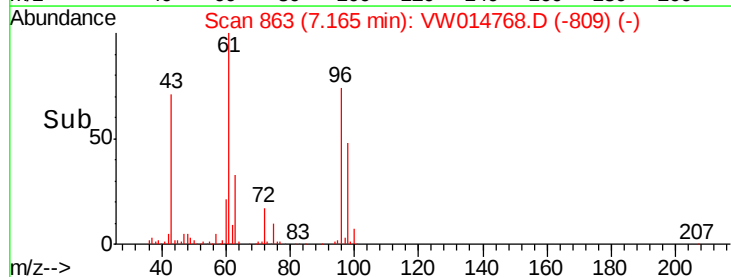
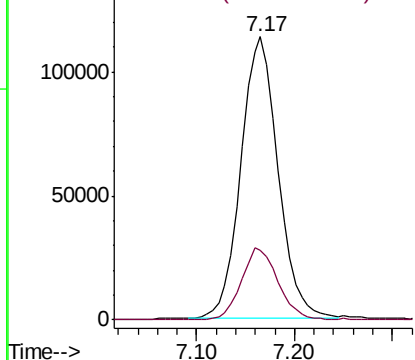


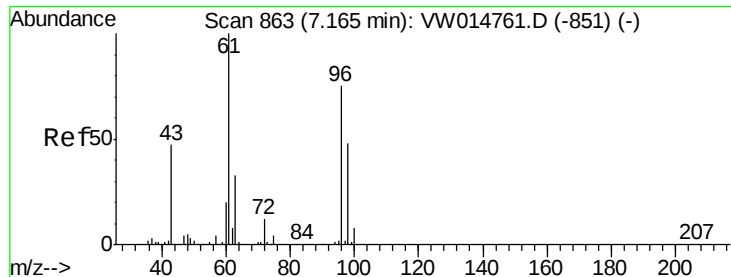
#21
 2-Butanone
 Concen: 66.118 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW014768.D
 Acq: 27 Jan 2020 15:56

Tgt Ion: 43 Resp: 300440
 Ion Ratio Lower Upper
 43 100
 72 25.1 12.6 37.6



Abundance Ion 43.00 (42.70 to 43.70): VW
 100000
 Ion 72.00 (71.70 to 72.70): VW



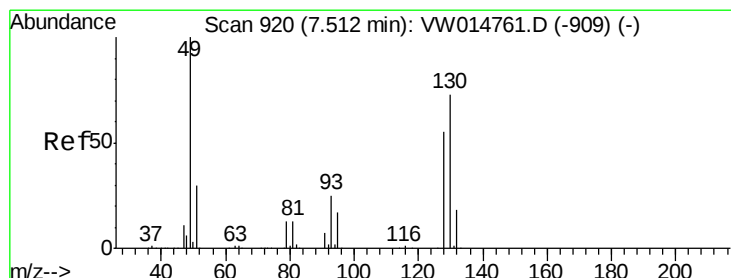
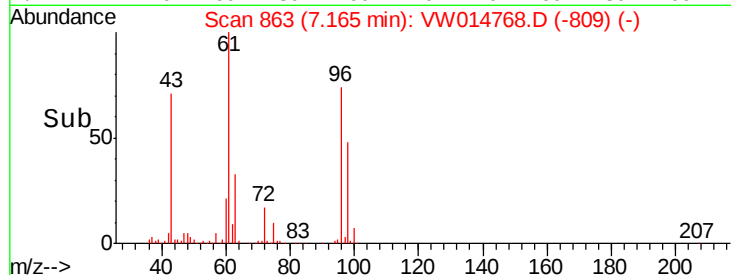
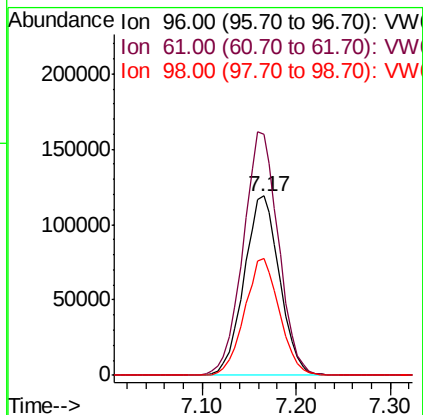
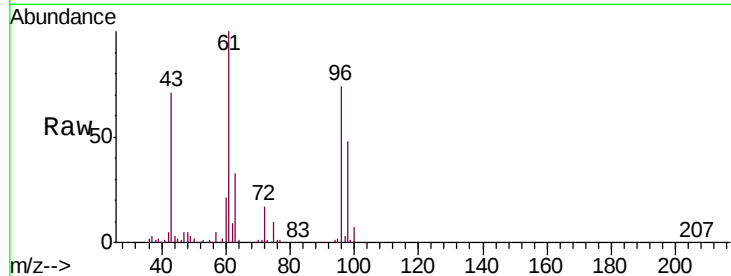


#22

cis-1,2-Dichloroethene
Concen: 25.219 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW014768.D
Acq: 27 Jan 2020 15:56

Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

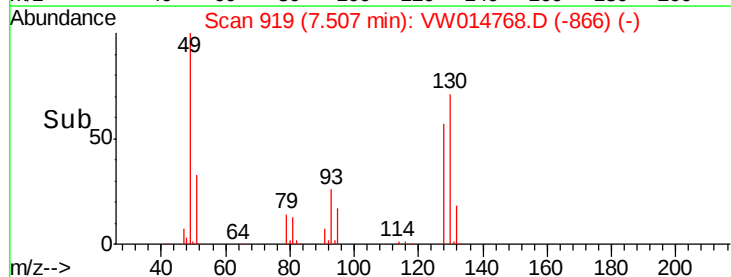
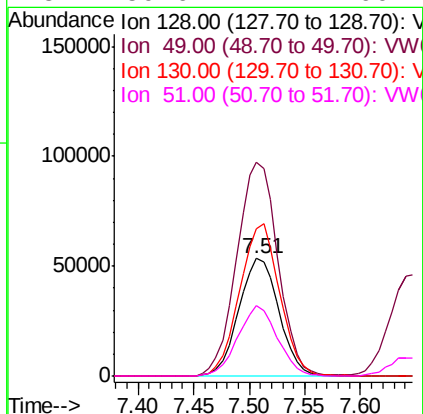
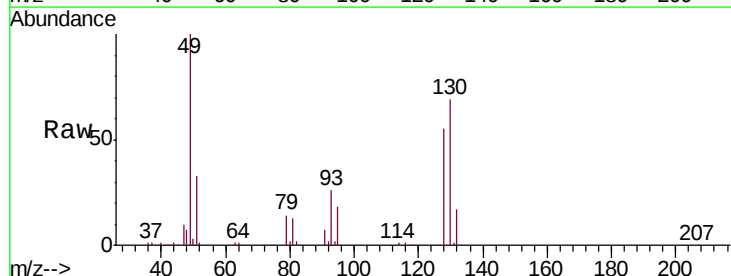
Tgt Ion: 96 Resp: 313765
Ion Ratio Lower Upper
96 100
61 134.4 94.1 174.7
98 65.0 44.9 83.3

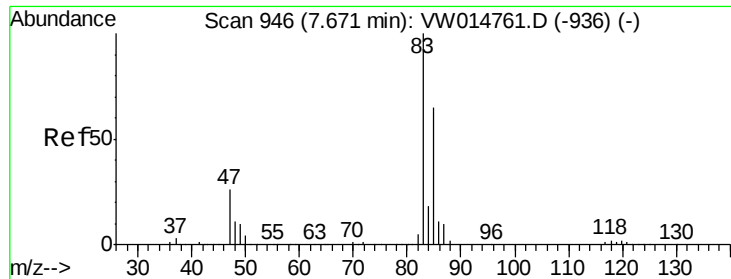


#23

Bromochloromethane
Concen: 24.730 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW014768.D
Acq: 27 Jan 2020 15:56

Tgt Ion: 128 Resp: 134450
Ion Ratio Lower Upper
128 100
49 181.4 127.7 237.1
130 125.1 93.4 173.6
51 59.6 44.1 66.1

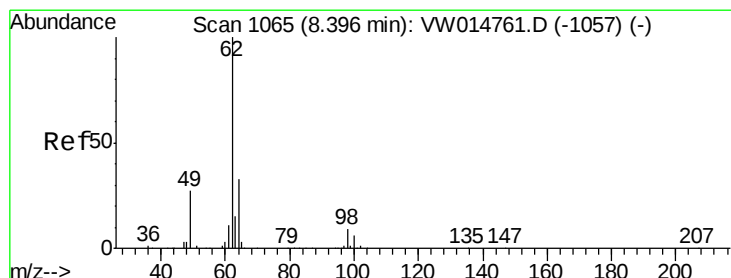
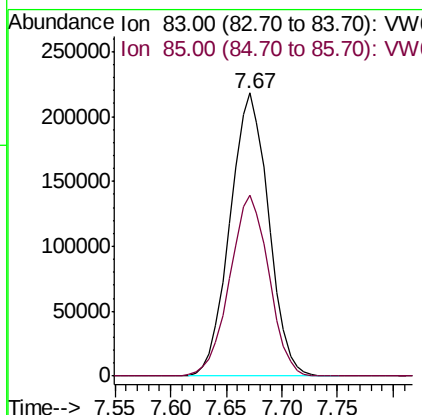
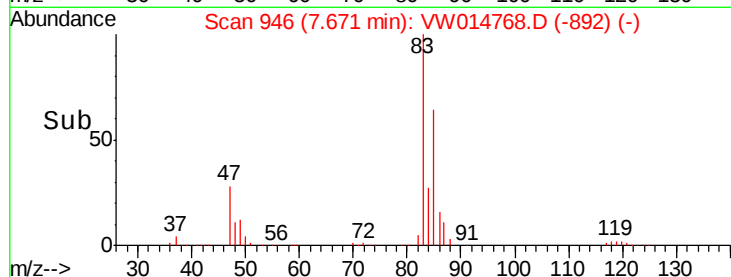
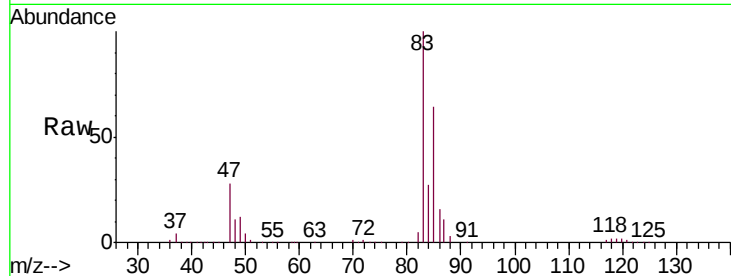




#25
Chloroform
Concen: 25.174 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW014768.D
Acq: 27 Jan 2020 15:56

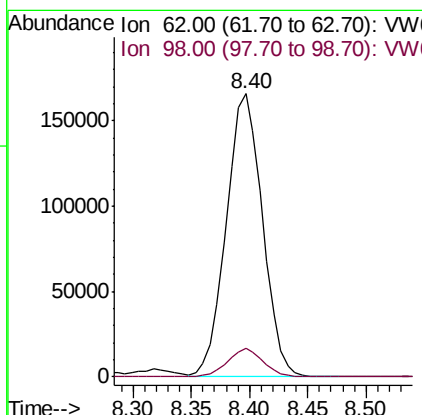
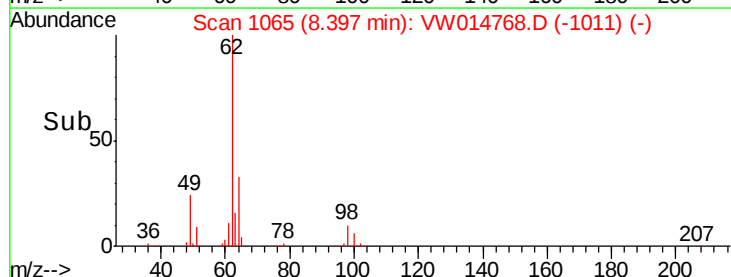
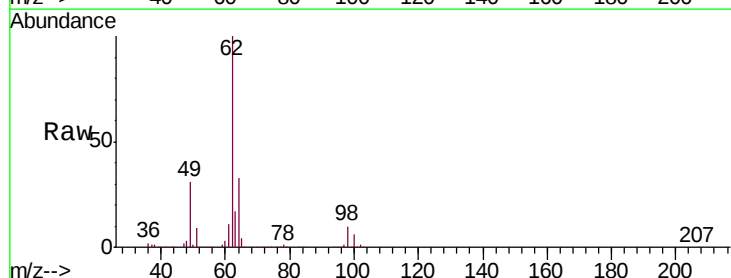
Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

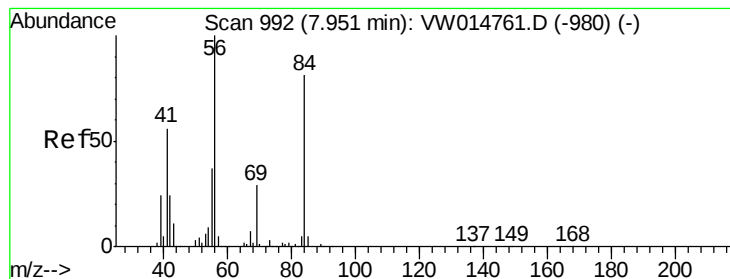
Tgt Ion: 83 Resp: 523438
Ion Ratio Lower Upper
83 100
85 65.0 46.0 85.4



#27
1,2-Dichloroethane
Concen: 26.078 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW014768.D
Acq: 27 Jan 2020 15:56

Tgt Ion: 62 Resp: 358260
Ion Ratio Lower Upper
62 100
98 10.1 7.5 11.3





#30

Cyclohexane

Concen: 27.294 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW014768.D

Acq: 27 Jan 2020 15:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

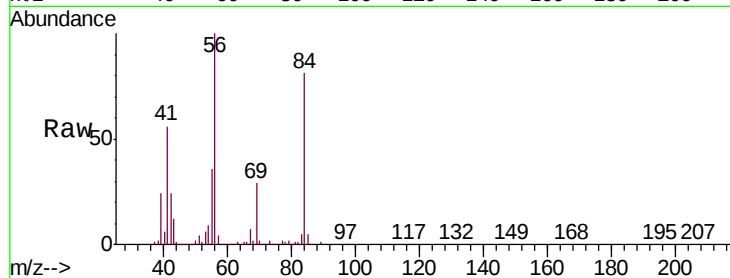
Tgt Ion: 56 Resp: 567166

Ion Ratio Lower Upper

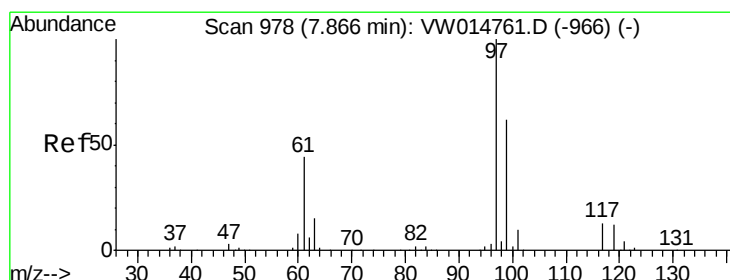
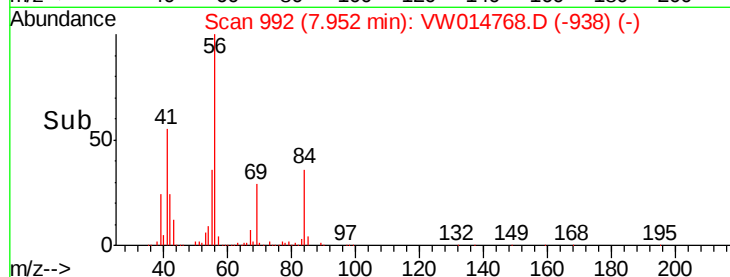
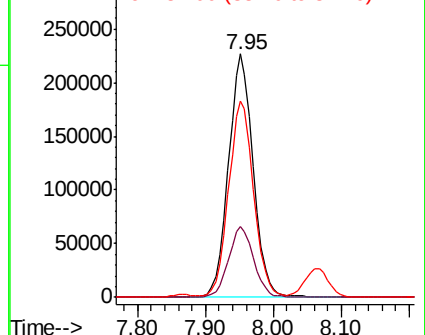
56 100

69 29.5 23.8 35.6

84 81.6 64.8 97.2



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: 25.428 ug/L

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW014768.D

Acq: 27 Jan 2020 15:56

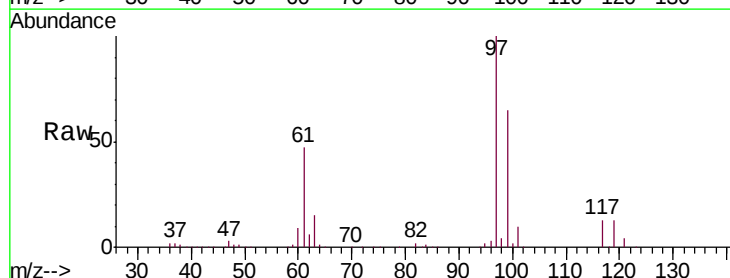
Tgt Ion: 97 Resp: 422511

Ion Ratio Lower Upper

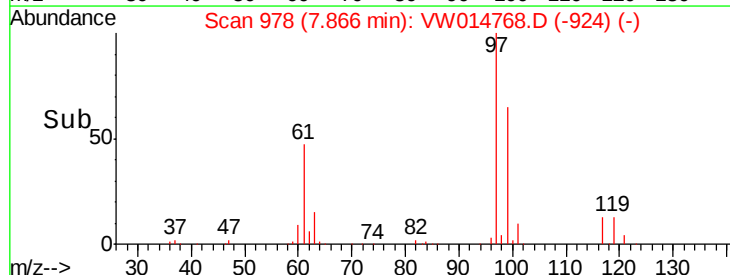
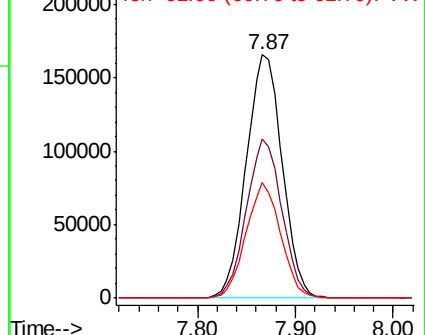
97 100

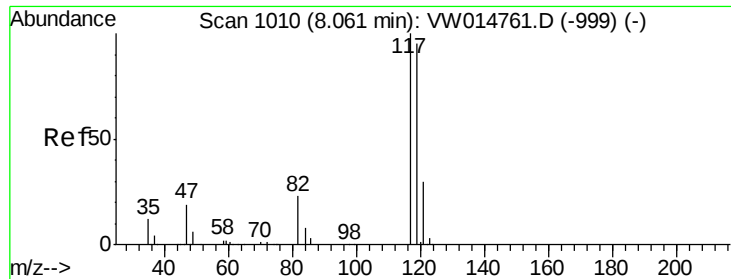
99 64.6 50.9 76.3

61 45.8 36.4 54.6



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: 25.331 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VW014768.D

Acq: 27 Jan 2020 15:56

Instrument :

MSVOA_W

ClientSampleId :

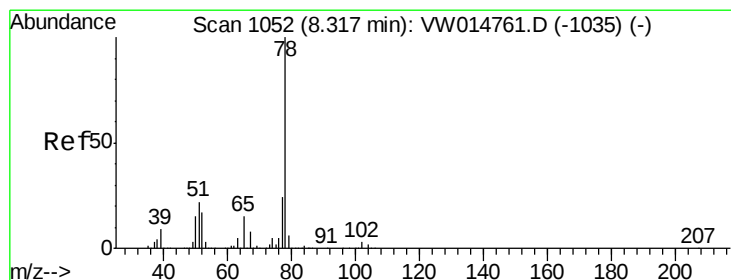
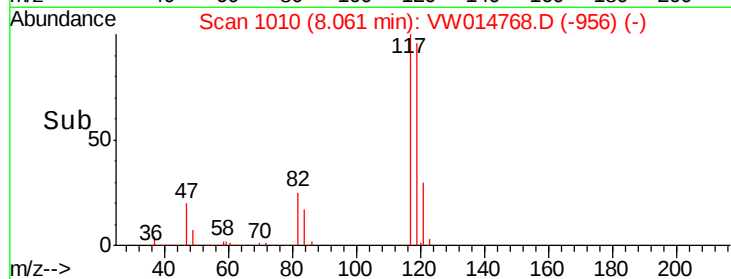
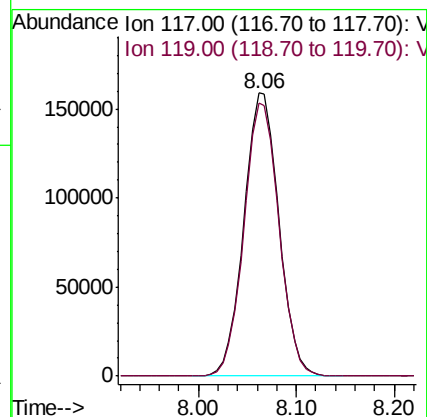
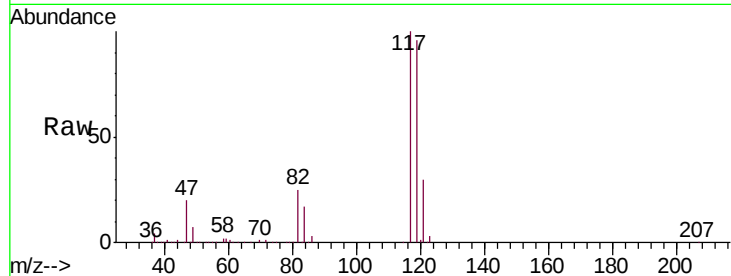
VSTD02524

Tgt Ion:117 Resp: 394447

Ion Ratio Lower Upper

117 100

119 96.5 76.6 115.0



#34

Benzene

Concen: 25.331 ug/L

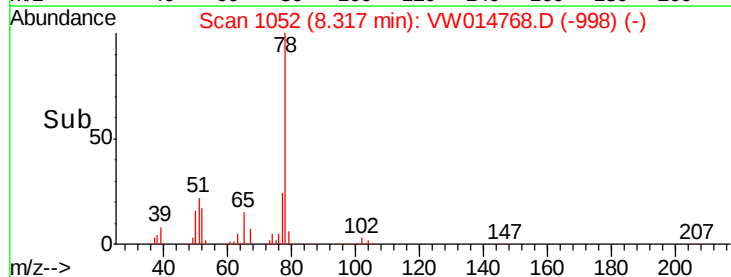
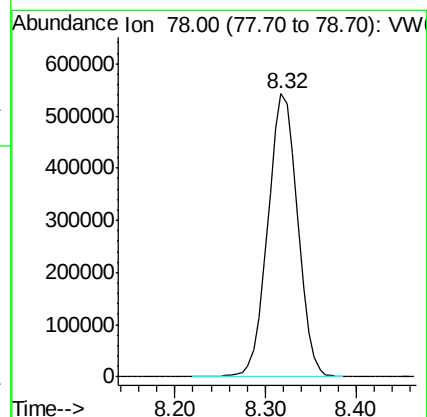
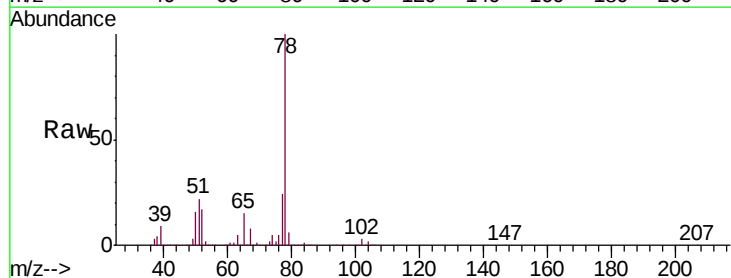
RT: 8.32 min Scan# 1052

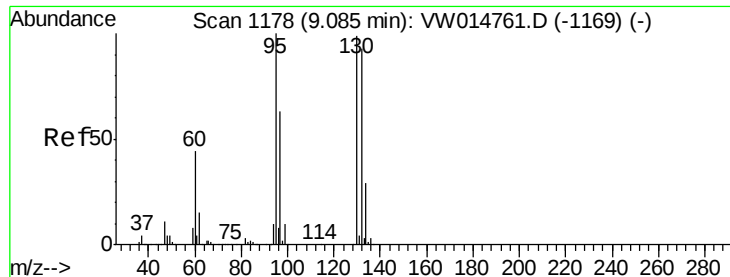
Delta R.T. 0.00 min

Lab File: VW014768.D

Acq: 27 Jan 2020 15:56

Tgt Ion: 78 Resp: 1234517





#35

Trichloroethene

Concen: 24.770 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW014768.D

Acq: 27 Jan 2020 15:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

Tgt Ion: 95 Resp: 306674

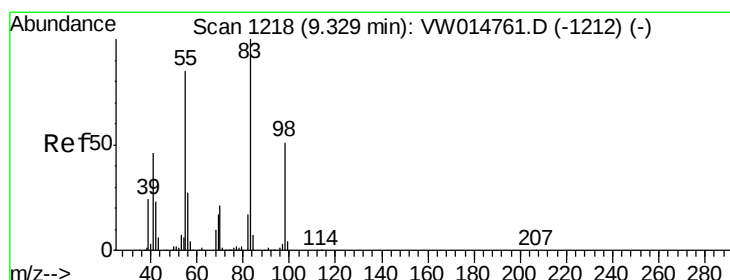
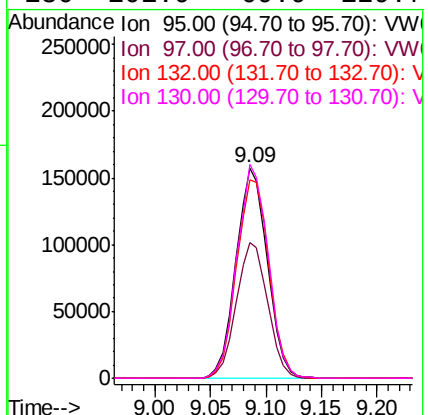
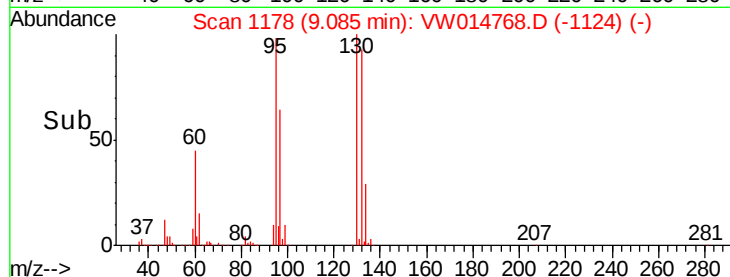
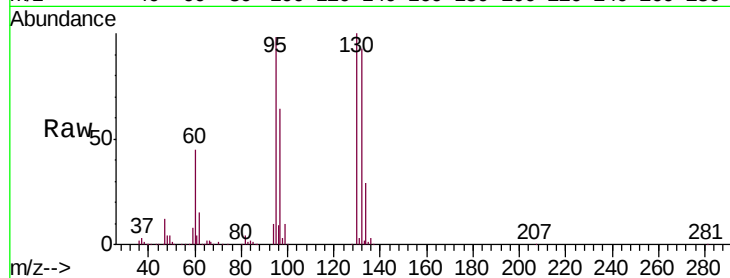
Ion Ratio Lower Upper

95 100

97 64.6 44.3 82.3

132 97.6 67.1 124.7

130 101.9 69.9 129.7



#36

Methylcyclohexane

Concen: 26.562 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VW014768.D

Acq: 27 Jan 2020 15:56

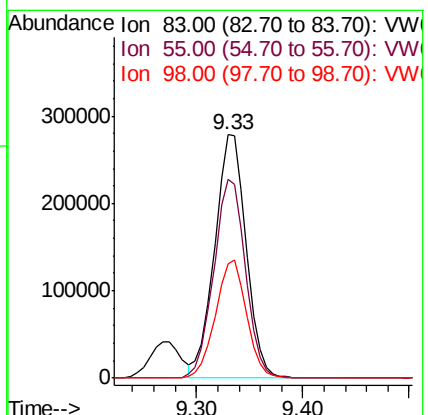
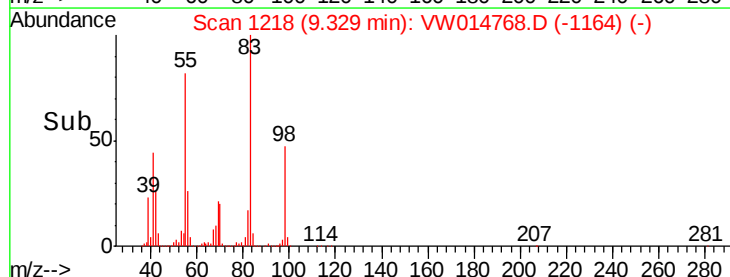
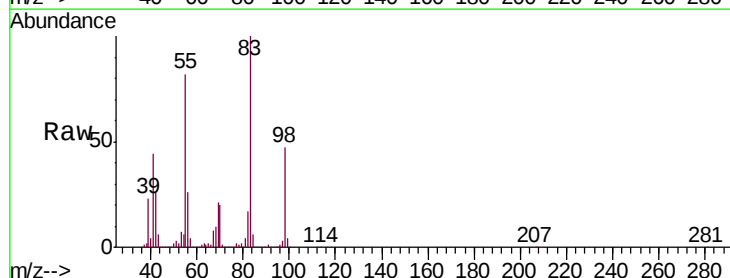
Tgt Ion: 83 Resp: 572121

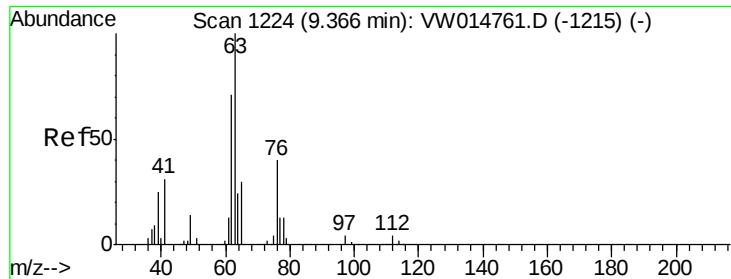
Ion Ratio Lower Upper

83 100

55 82.2 65.6 98.4

98 47.6 38.0 57.0

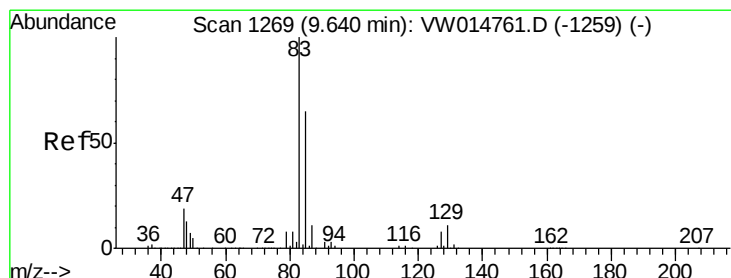
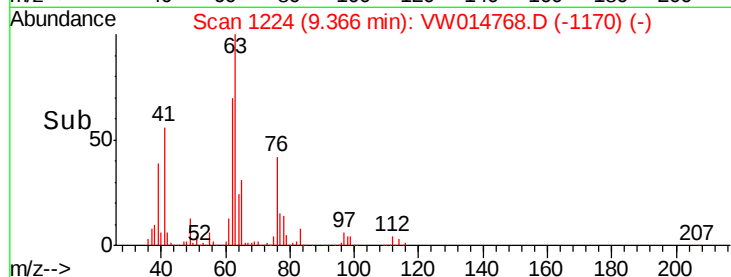
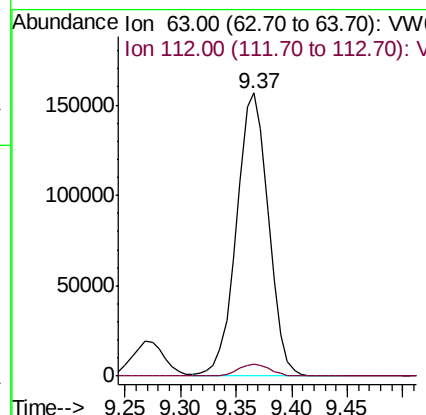
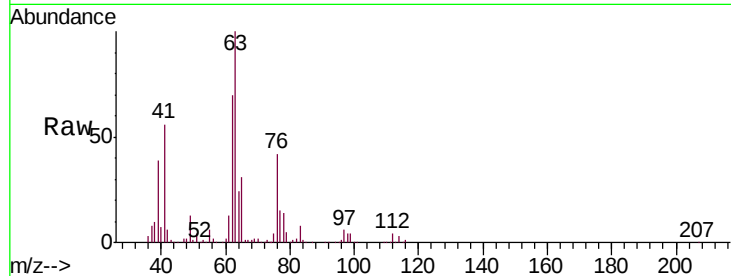




#40
 1,2-Dichloropropane
 Concen: 25.207 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW014768.D
 Acq: 27 Jan 2020 15:56

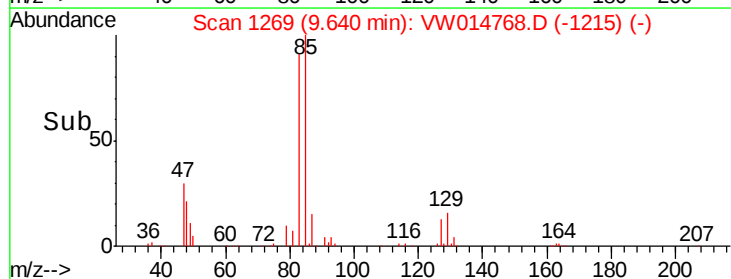
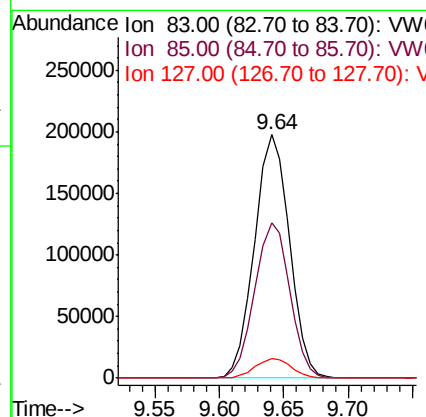
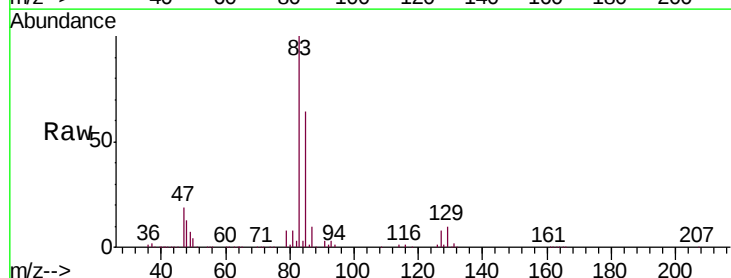
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

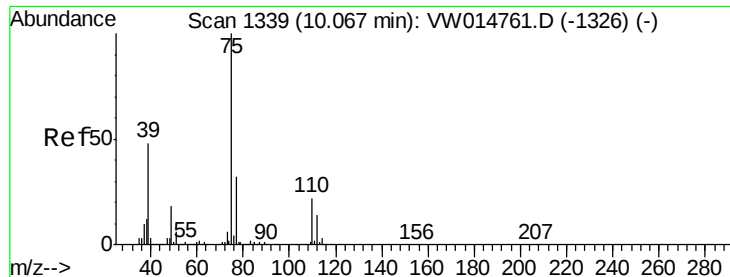
Tgt Ion: 63 Resp: 311435
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.6 5.4



#41
 Bromodichloromethane
 Concen: 25.189 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW014768.D
 Acq: 27 Jan 2020 15:56

Tgt Ion: 83 Resp: 371930
 Ion Ratio Lower Upper
 83 100
 85 63.8 45.7 84.9
 127 8.2 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 26.431 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW014768.D

Acq: 27 Jan 2020 15:56

Instrument :

MSVOA_W

ClientSampleId :

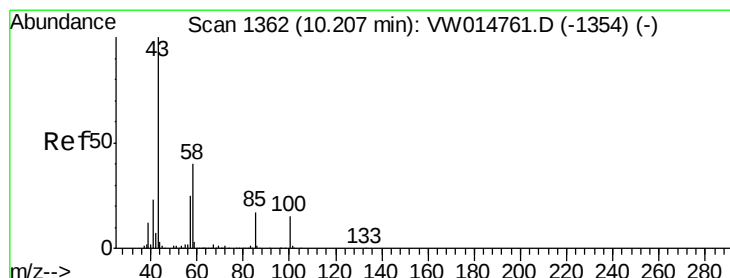
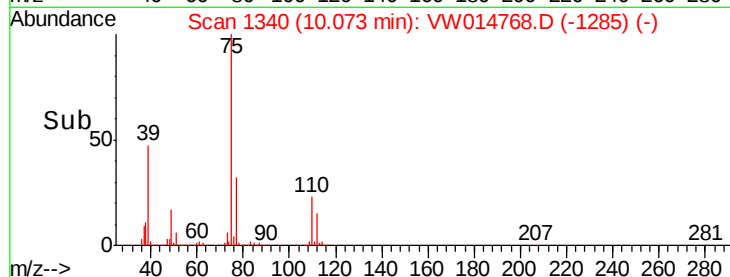
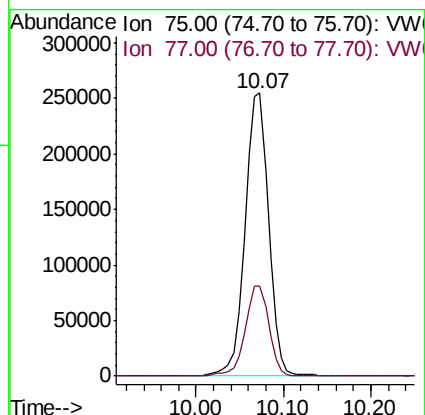
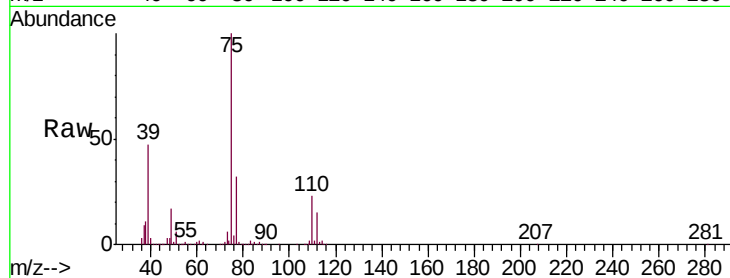
VSTD02524

Tgt Ion: 75 Resp: 476956

Ion Ratio Lower Upper

75 100

77 31.7 22.3 41.3



#43

4-Methyl-2-pentanone

Concen: 64.582 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014768.D

Acq: 27 Jan 2020 15:56

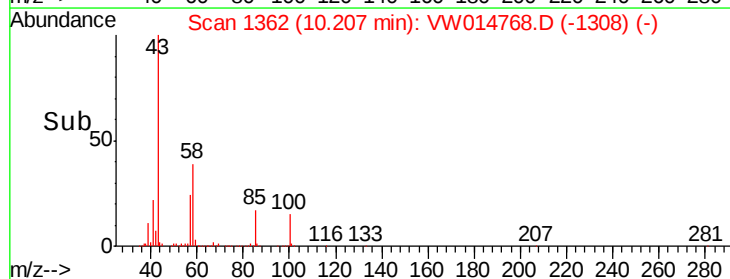
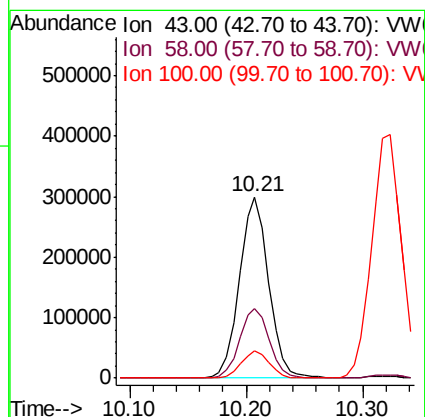
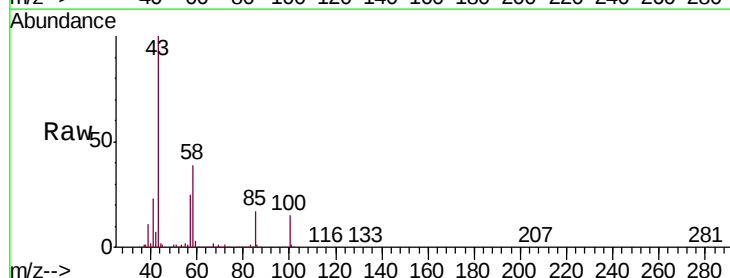
Tgt Ion: 43 Resp: 524649

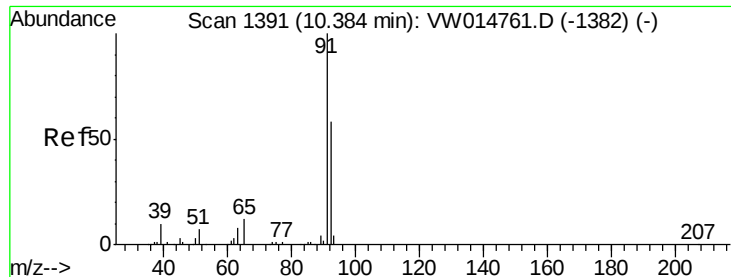
Ion Ratio Lower Upper

43 100

58 39.1 30.9 46.3

100 14.5 11.8 17.6





#44

Toluene

Concen: 25.827 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014768.D

Acq: 27 Jan 2020 15:56

Instrument :

MSVOA_W

ClientSampled :

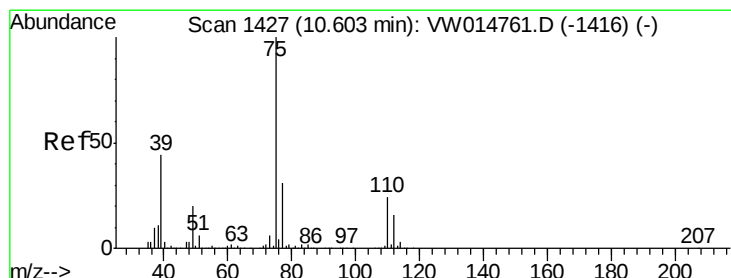
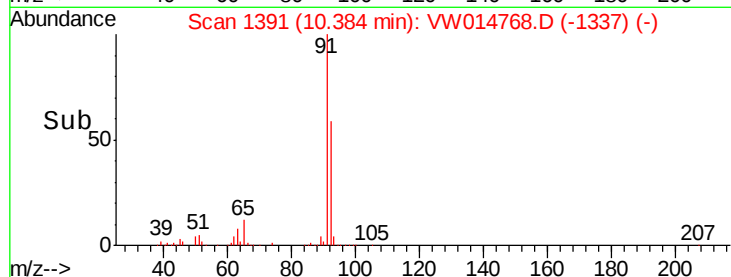
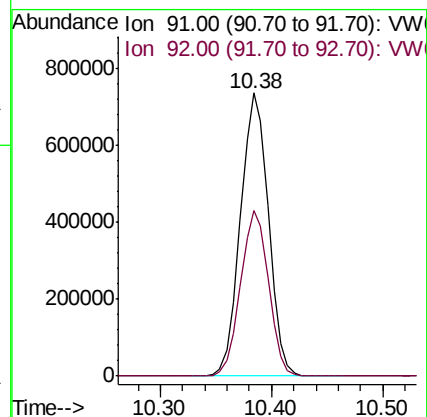
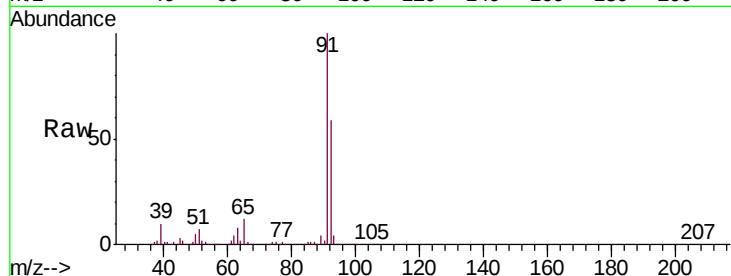
VSTD02524

Tgt Ion: 91 Resp: 1278982

Ion Ratio Lower Upper

91 100

92 58.7 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 26.817 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014768.D

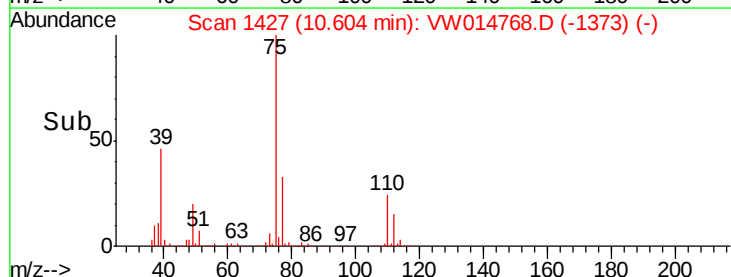
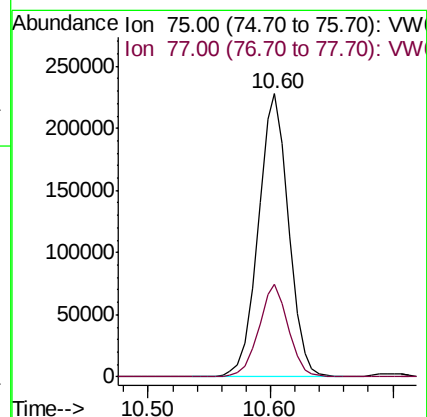
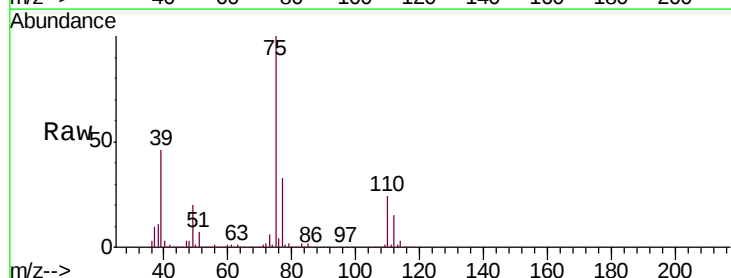
Acq: 27 Jan 2020 15:56

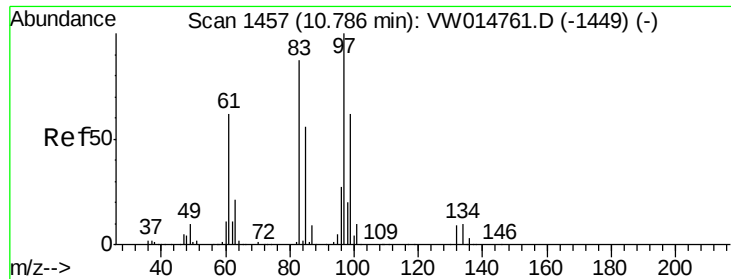
Tgt Ion: 75 Resp: 392841

Ion Ratio Lower Upper

75 100

77 32.8 21.6 40.0





#46

1,1,2-Trichloroethane

Concen: 26.764 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW014768.D

Acq: 27 Jan 2020 15:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

Tgt Ion: 97 Resp: 225726

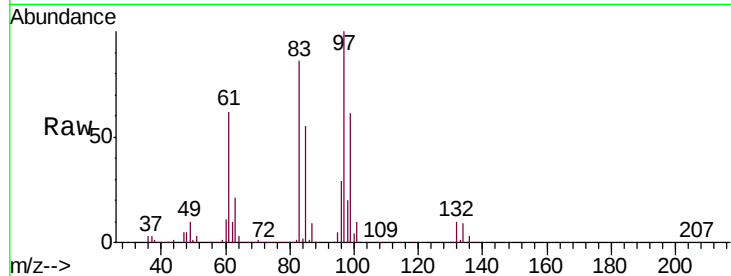
Ion Ratio Lower Upper

97 100

83 85.7 60.9 113.1

85 55.5 39.2 72.8

99 60.5 43.0 80.0



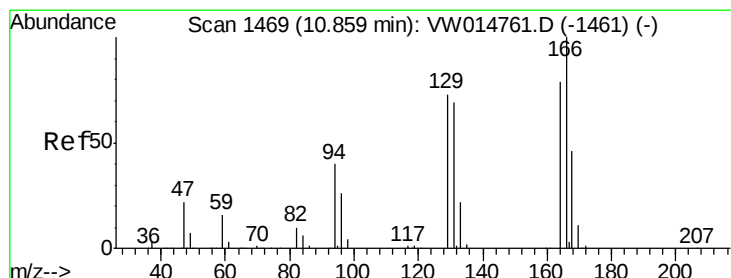
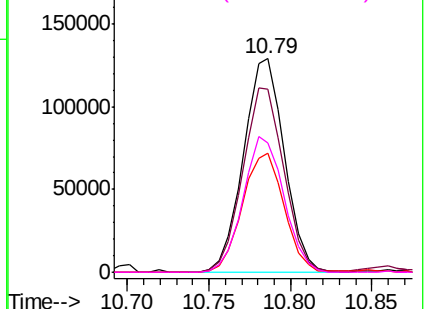
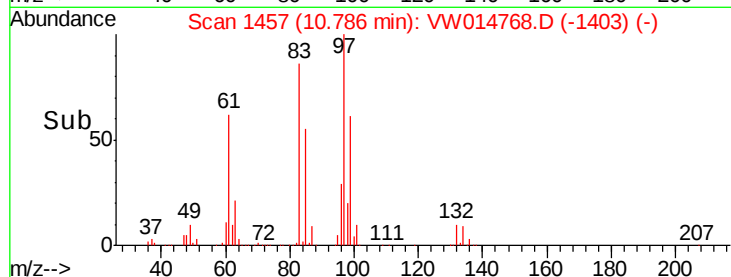
Abundance

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: 25.250 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014768.D

Acq: 27 Jan 2020 15:56

Tgt Ion: 164 Resp: 249779

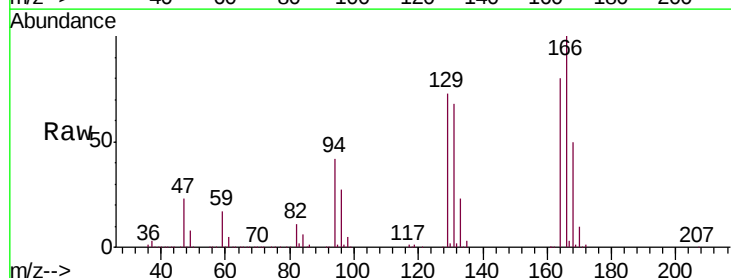
Ion Ratio Lower Upper

164 100

129 91.7 64.4 119.6

131 85.6 61.2 113.6

166 125.5 88.8 165.0



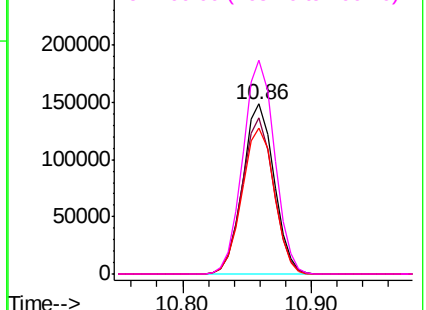
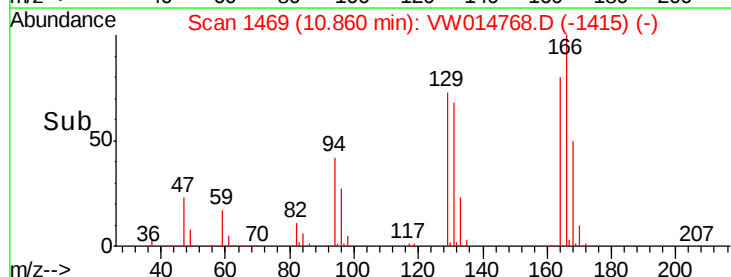
Abundance

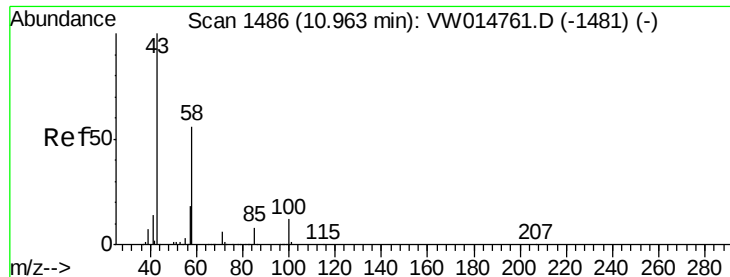
Ion 164.00 (163.70 to 164.70): V

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: 68.602 ug/L

RT: 10.96 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VW014768.D

Acq: 27 Jan 2020 15:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

Tgt Ion: 43 Resp: 400684

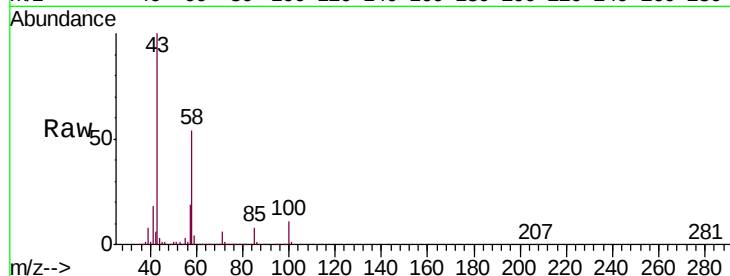
Ion Ratio Lower Upper

43 100

58 55.1 43.2 64.8

57 18.9 14.7 22.1

100 11.6 9.4 14.0

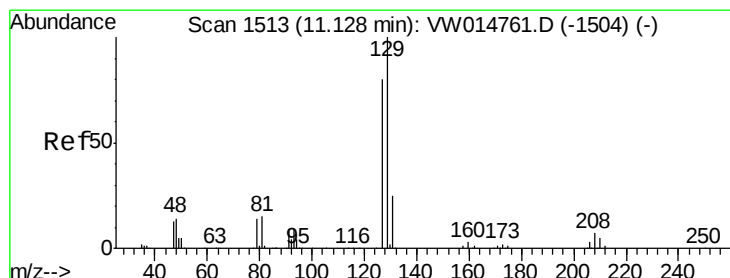
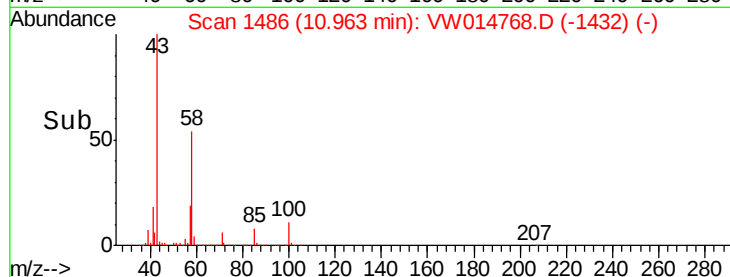
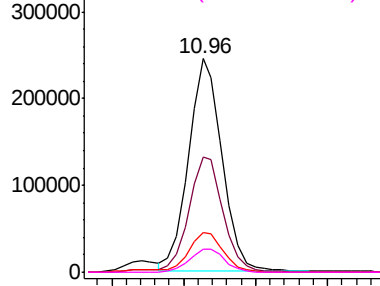


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 26.135 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW014768.D

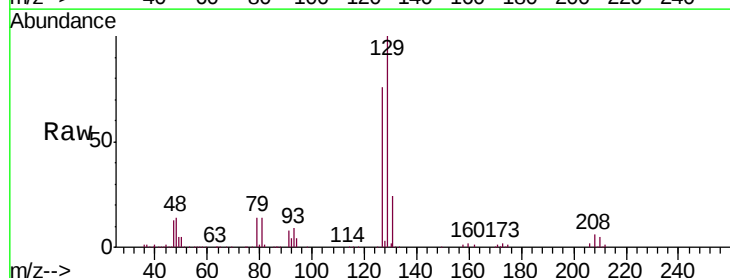
Acq: 27 Jan 2020 15:56

Tgt Ion: 129 Resp: 251495

Ion Ratio Lower Upper

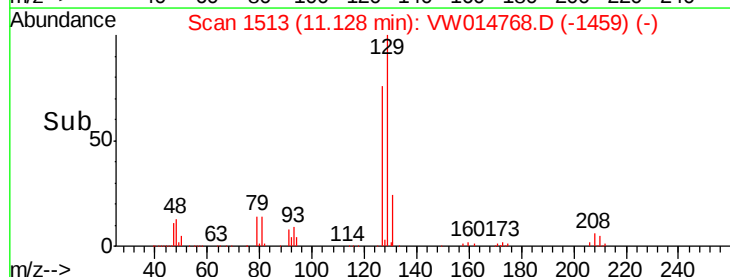
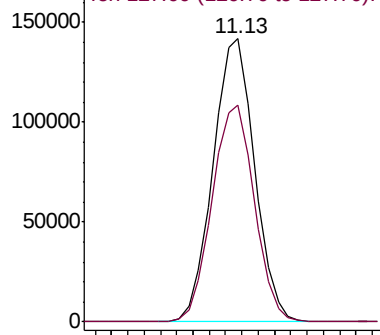
129 100

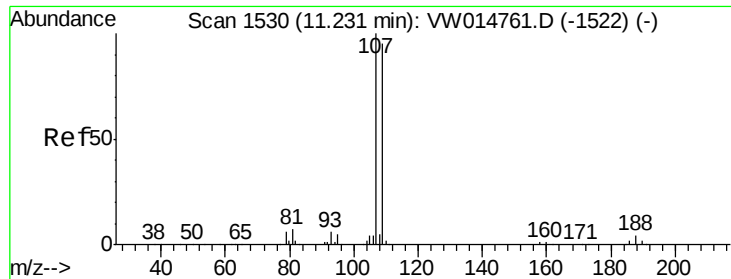
127 76.4 55.7 103.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

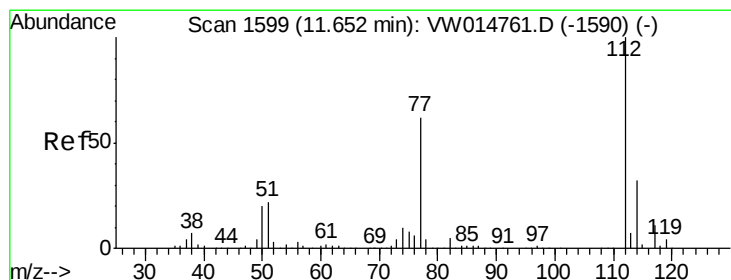
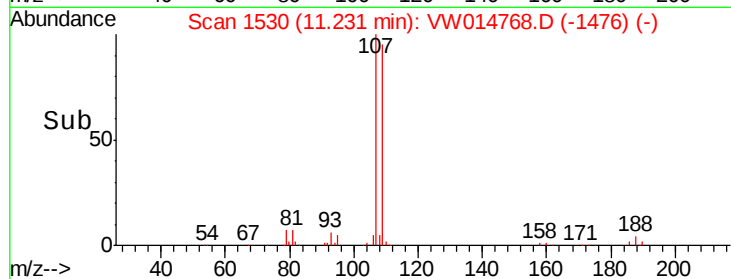
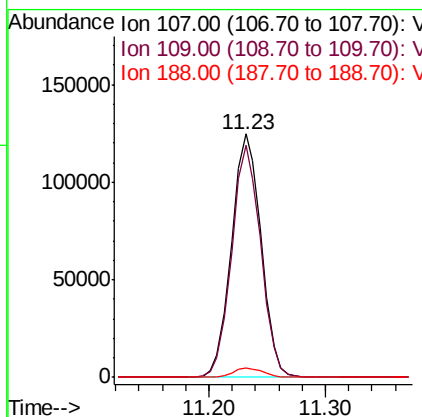
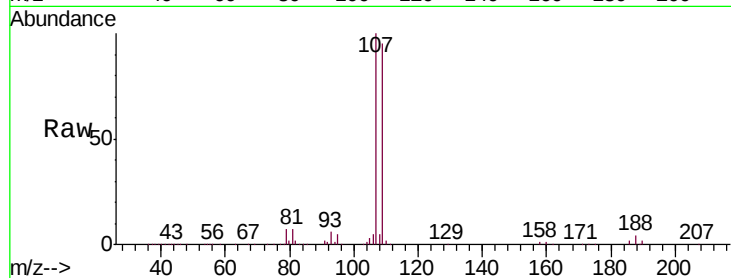




#51
1,2-Dibromoethane
Concen: 27.216 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW014768.D
Acq: 27 Jan 2020 15:56

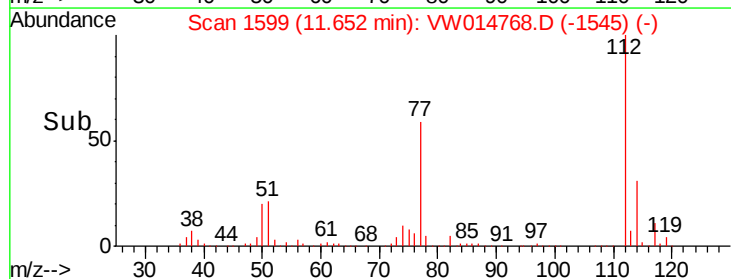
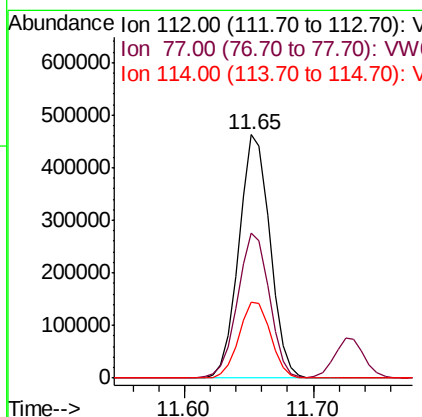
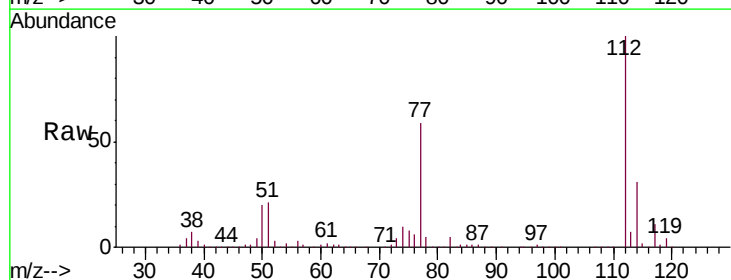
Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

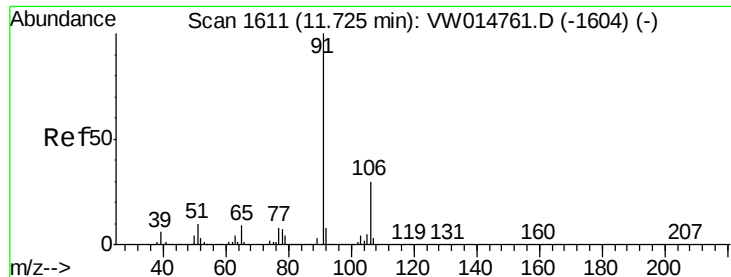
Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.1	66.6	123.8
188	3.6	3.0	4.6



#52
Chlorobenzene
Concen: 25.038 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VW014768.D
Acq: 27 Jan 2020 15:56

Tgt Ion	Ratio	Lower	Upper
112	100		
77	59.4	49.2	73.8
114	31.4	22.5	41.7

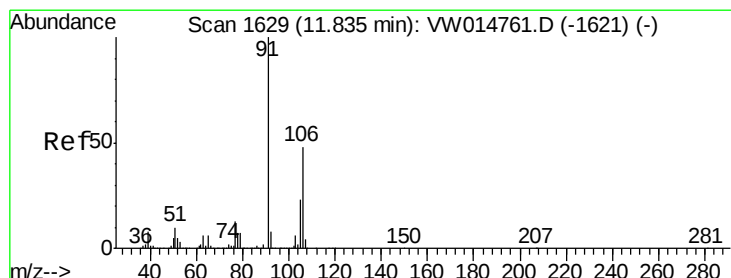
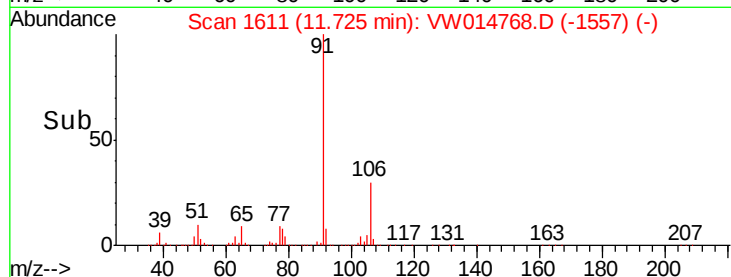
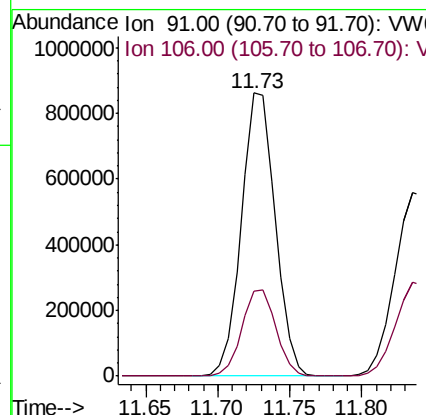
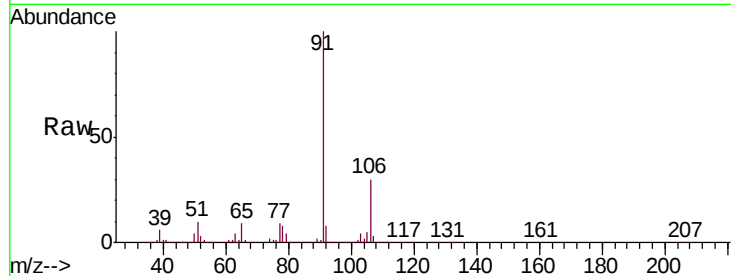




#53
Ethylbenzene
Concen: 26.026 ug/L
RT: 11.73 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VW014768.D
Acq: 27 Jan 2020 15:56

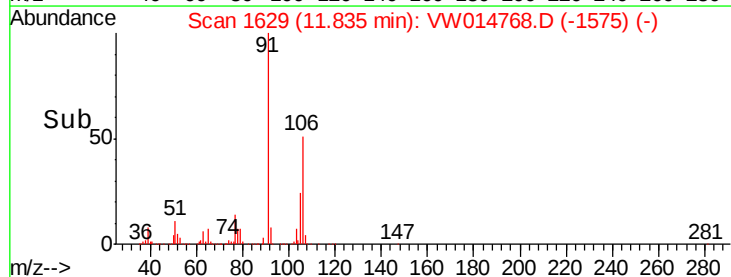
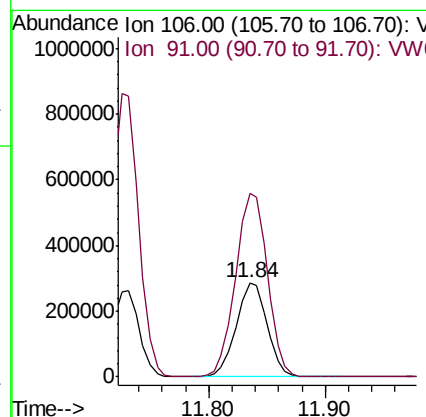
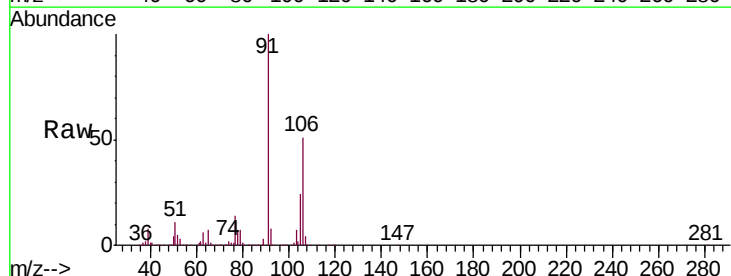
Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

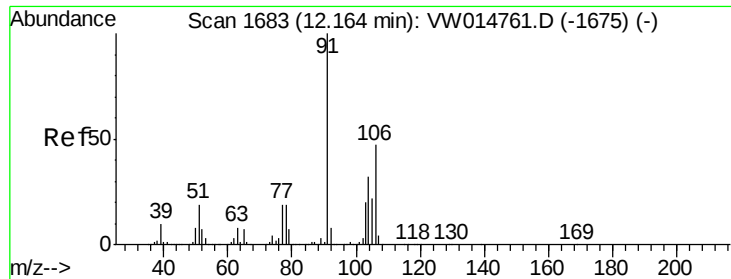
Tgt Ion: 91 Resp: 1408439
Ion Ratio Lower Upper
91 100
106 30.0 21.1 39.3



#54
m,p-Xylene
Concen: 26.228 ug/L
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014768.D
Acq: 27 Jan 2020 15:56

Tgt Ion: 106 Resp: 530572
Ion Ratio Lower Upper
106 100
91 195.5 146.2 271.6

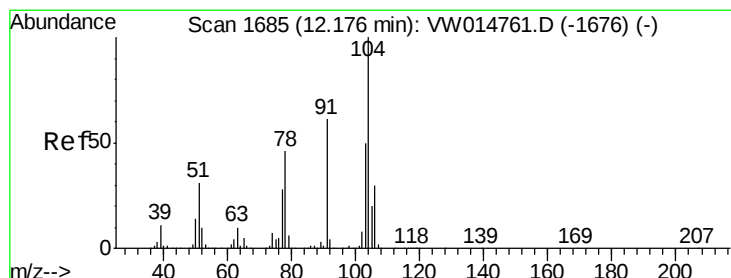
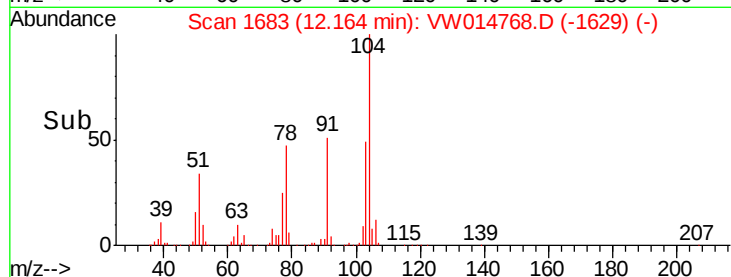
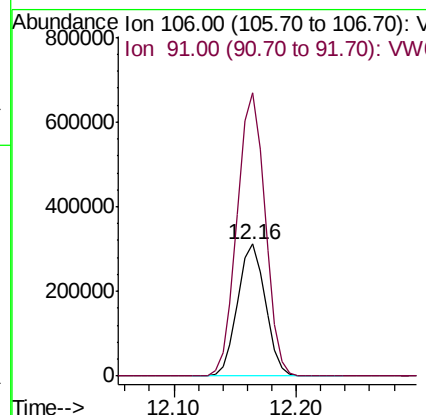
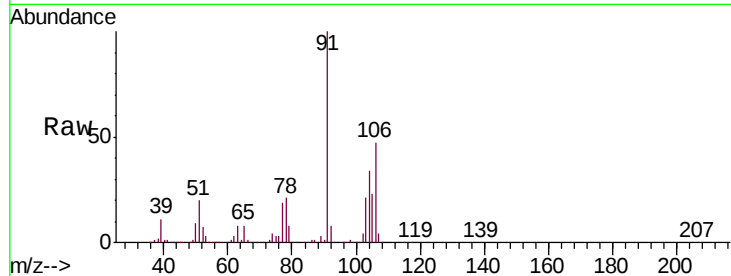




#55
o-xylene
Concen: 25.862 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014768.D
Acq: 27 Jan 2020 15:56

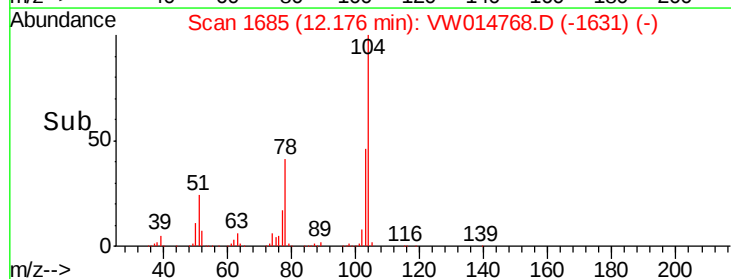
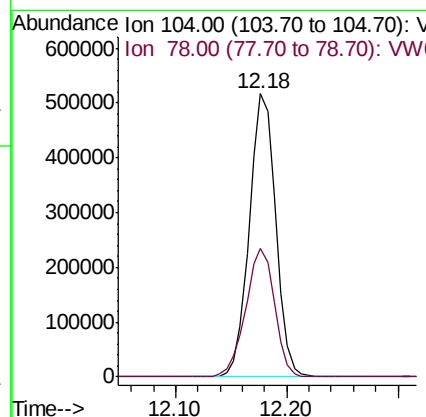
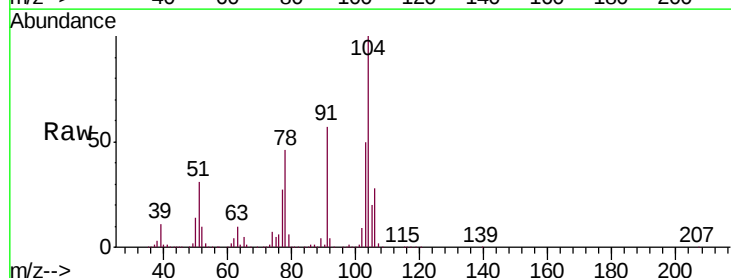
Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

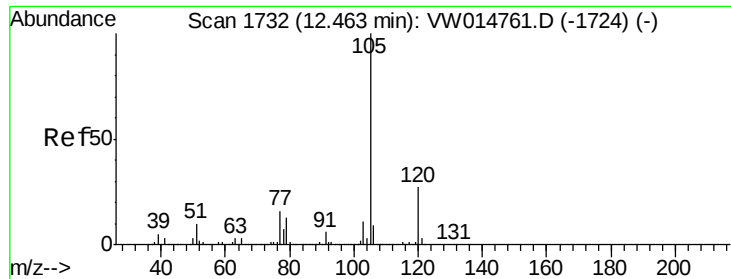
Tgt Ion:106 Resp: 490889
Ion Ratio Lower Upper
106 100
91 214.8 148.7 276.1



#56
Styrene
Concen: 26.438 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW014768.D
Acq: 27 Jan 2020 15:56

Tgt Ion:104 Resp: 851083
Ion Ratio Lower Upper
104 100
78 45.5 32.0 59.4





#57

Isopropylbenzene

Concen: 25.963 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014768.D

Acq: 27 Jan 2020 15:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

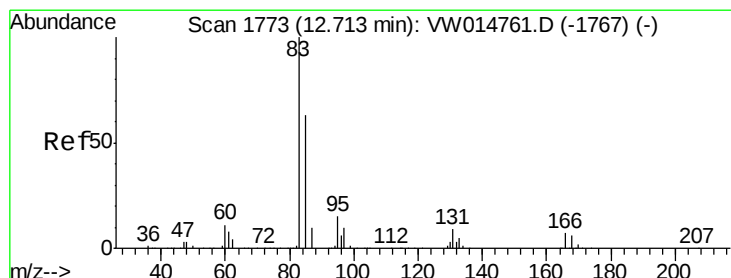
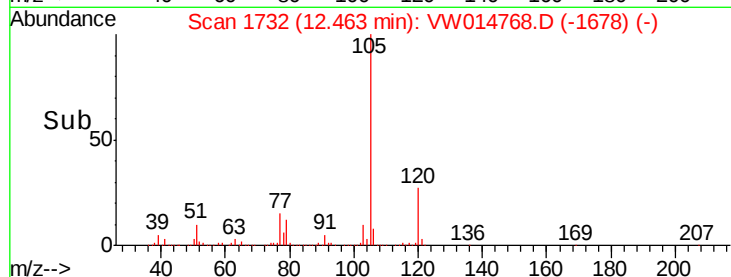
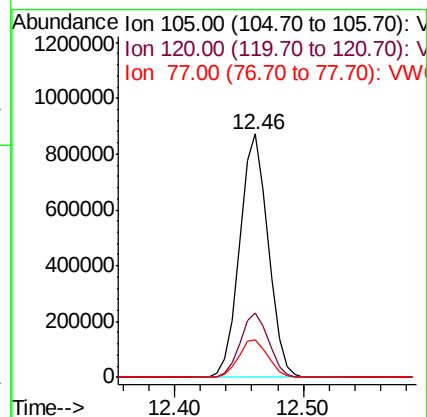
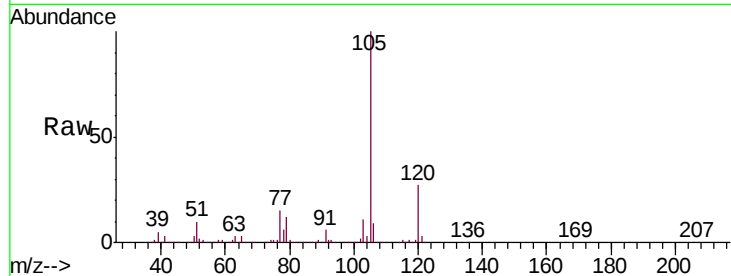
Tgt Ion:105 Resp: 1334696

Ion Ratio Lower Upper

105 100

120 26.4 21.1 31.7

77 15.9 13.0 19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 27.925 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014768.D

Acq: 27 Jan 2020 15:56

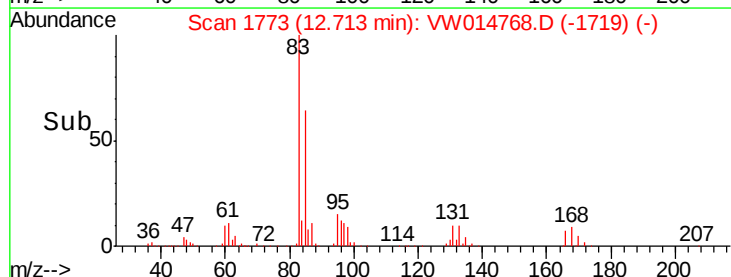
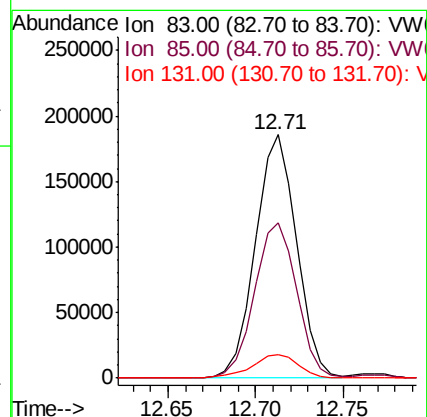
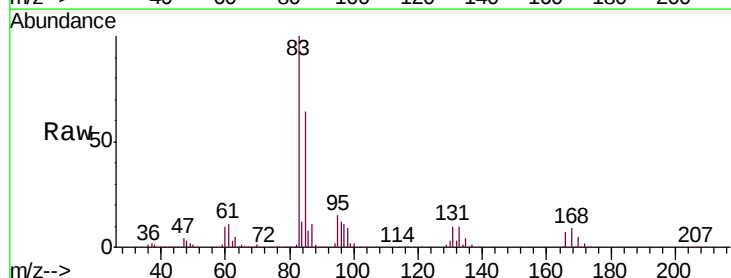
Tgt Ion: 83 Resp: 303447

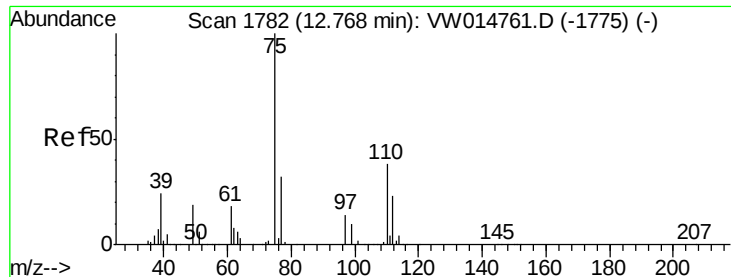
Ion Ratio Lower Upper

83 100

85 64.0 45.0 83.6

131 9.6 7.6 11.4





#59

1,2,3-Trichloropropane

Concen: 28.800 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014768.D

Acq: 27 Jan 2020 15:56

Instrument :

MSVOA_W

ClientSampleId :

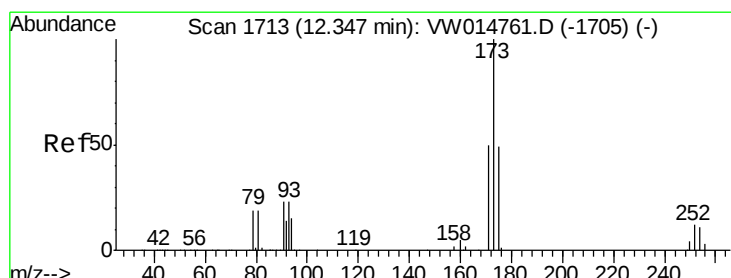
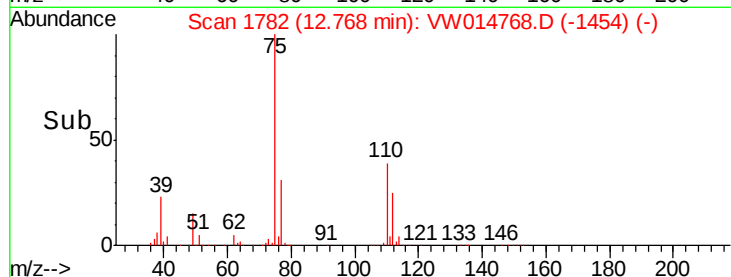
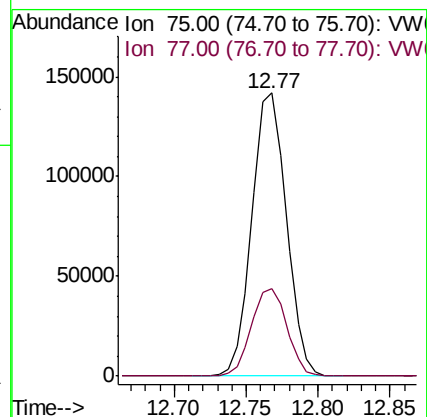
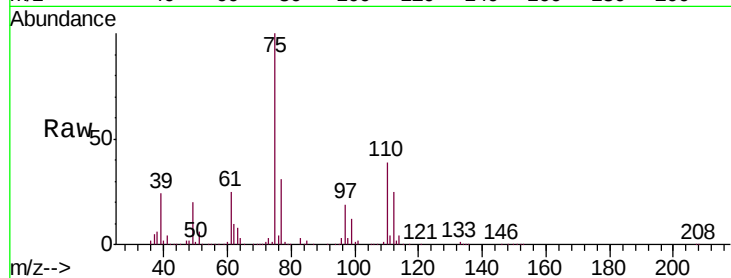
VSTD02524

Tgt Ion: 75 Resp: 235080

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.8



#62

Bromoform

Concen: 26.557 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014768.D

Acq: 27 Jan 2020 15:56

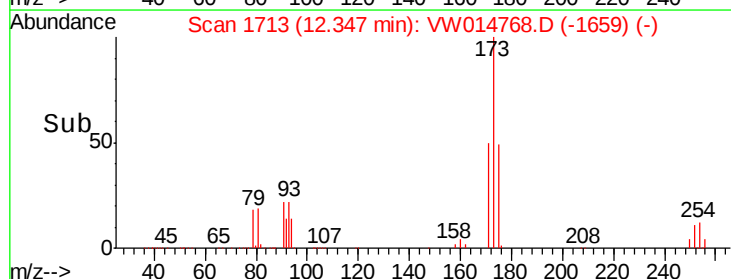
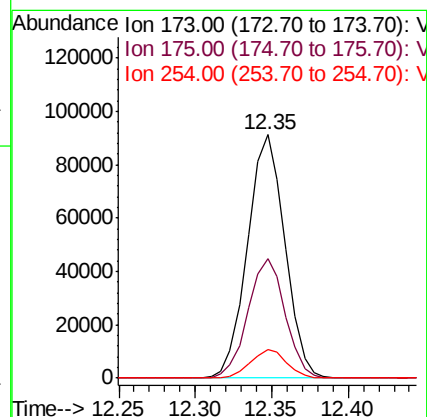
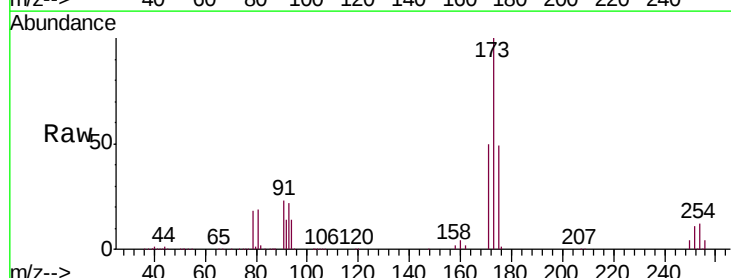
Tgt Ion: 173 Resp: 155305

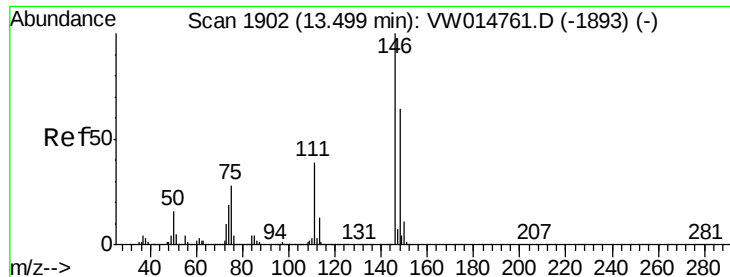
Ion Ratio Lower Upper

173 100

175 48.7 39.8 59.8

254 11.6 8.9 13.3

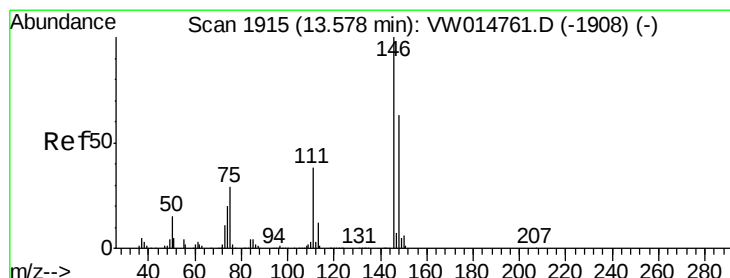
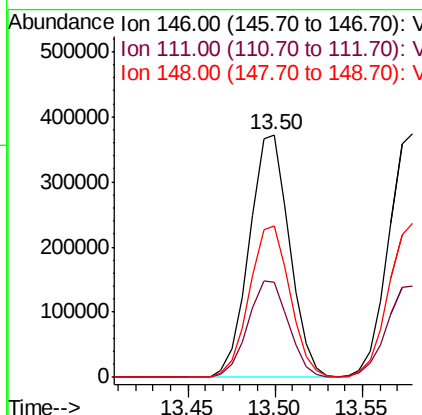
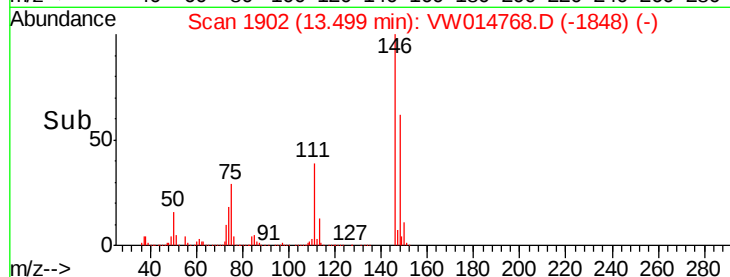
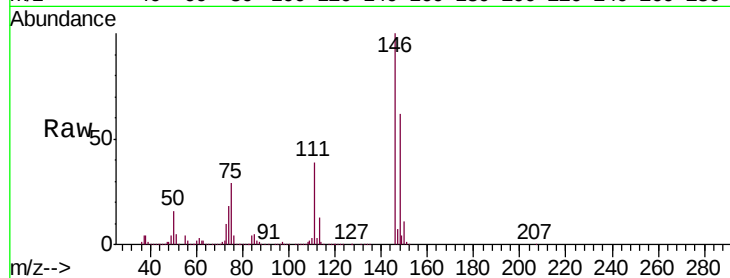




#63
 1,3-Dichlorobenzene
 Concen: 24.849 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW014768.D
 Acq: 27 Jan 2020 15:56

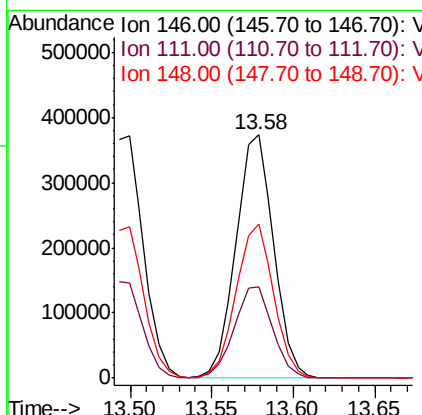
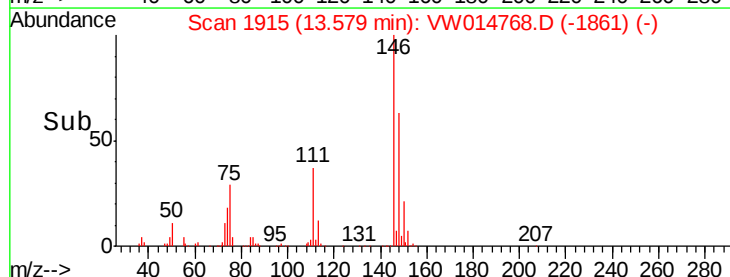
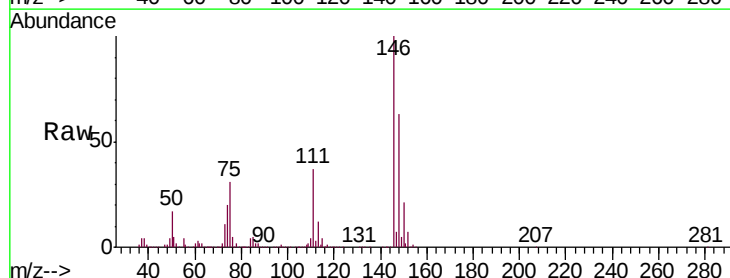
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

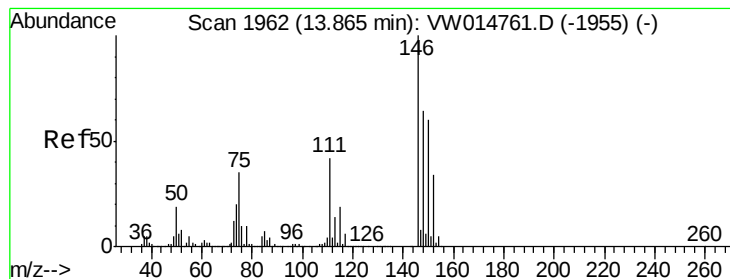
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	27.1	50.3
148	62.4	44.5	82.7



#64
 1,4-Dichlorobenzene
 Concen: 24.895 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW014768.D
 Acq: 27 Jan 2020 15:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	26.4	49.0
148	63.2	43.9	81.5





#65

1,2-Dichlorobenzene

Concen: 25.161 ug/L

RT: 13.87 min Scan# 1962

Delta R.T. 0.00 min

Lab File: VW014768.D

Acq: 27 Jan 2020 15:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

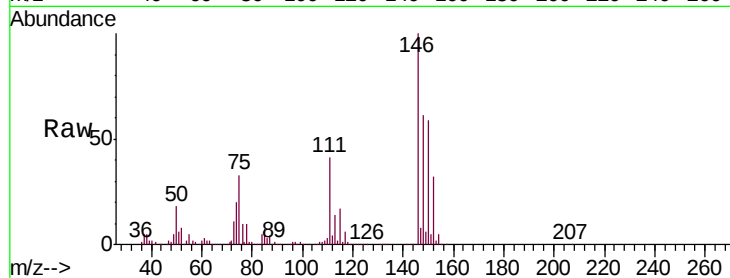
Tgt Ion:146 Resp: 550451

Ion Ratio Lower Upper

146 100

111 40.9 33.4 50.2

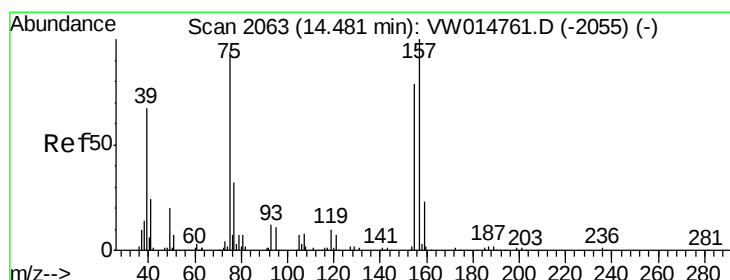
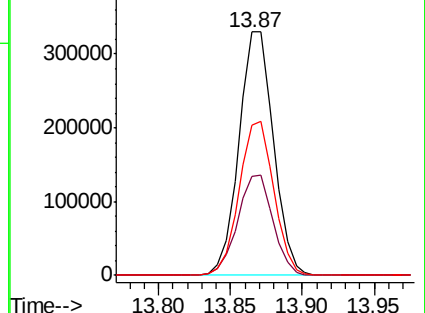
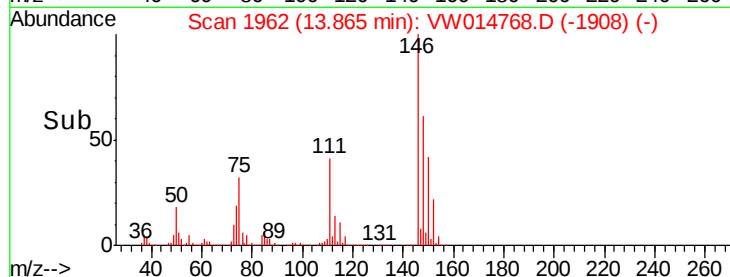
148 61.4 51.4 77.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 29.923 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.01 min

Lab File: VW014768.D

Acq: 27 Jan 2020 15:56

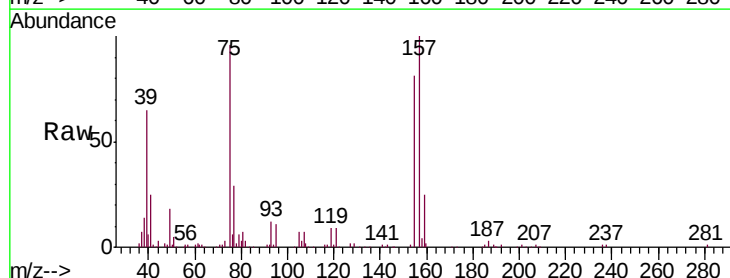
Tgt Ion: 75 Resp: 53692

Ion Ratio Lower Upper

75 100

157 104.5 84.9 127.3

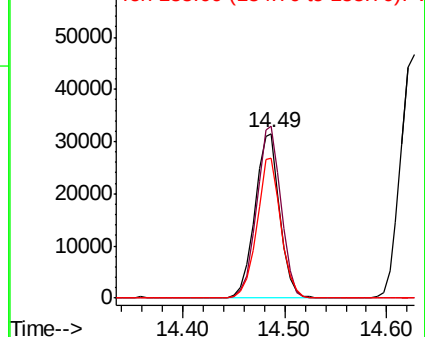
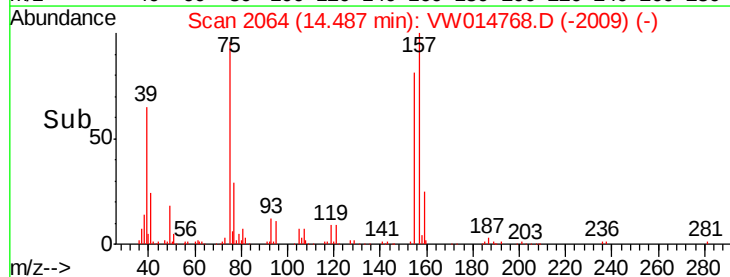
155 84.9 67.1 100.7

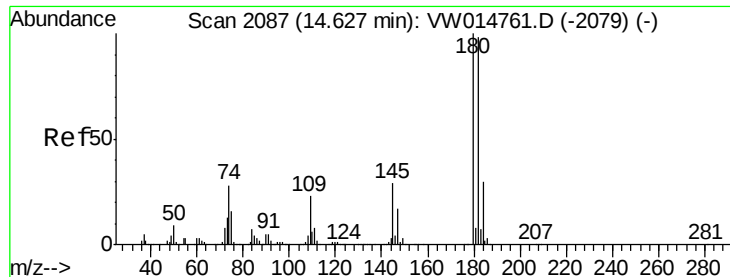


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

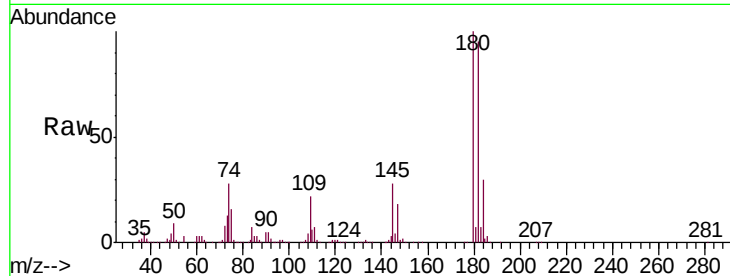




#67
 1,3,5-Trichlorobenzene
 Concen: 25.519 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014768.D
 Acq: 27 Jan 2020 15:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.2	114.4
184	29.6	24.2	36.4
145	28.1	22.8	34.2



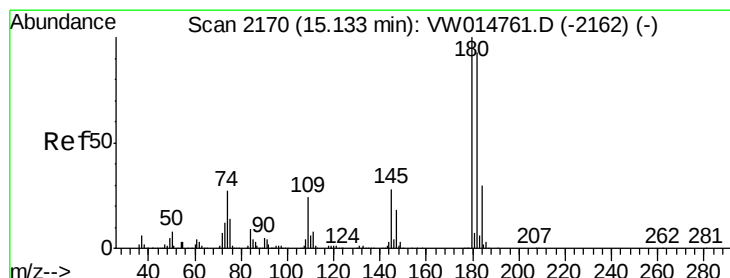
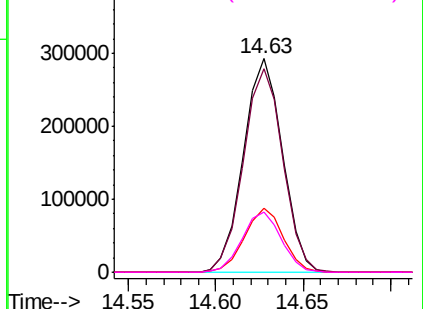
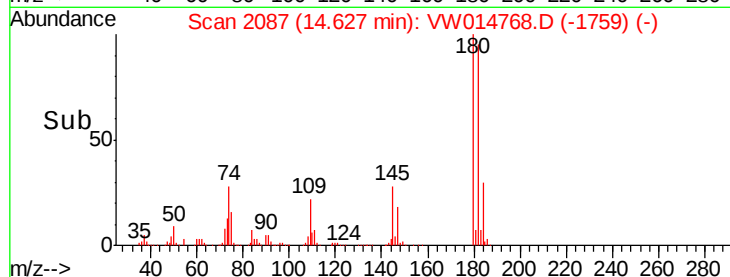
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

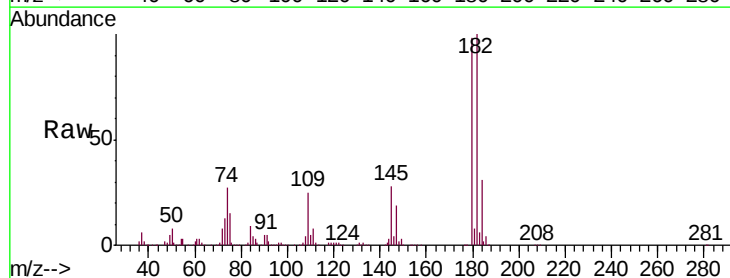
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 27.050 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014768.D
 Acq: 27 Jan 2020 15:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.2	115.8
145	29.3	23.3	34.9

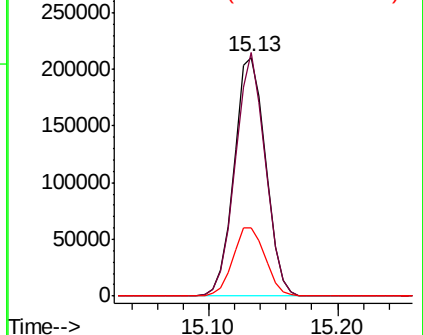
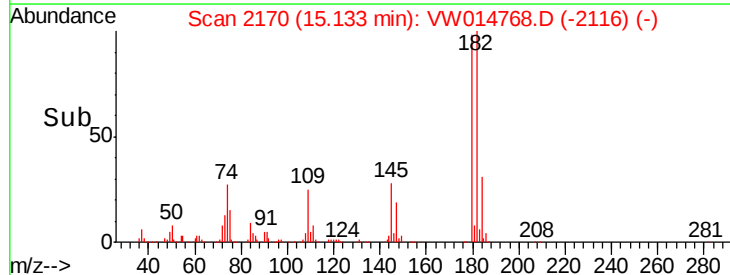


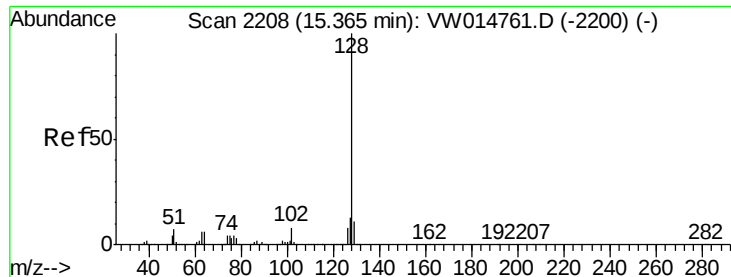
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 31.824 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014768.D

Acq: 27 Jan 2020 15:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

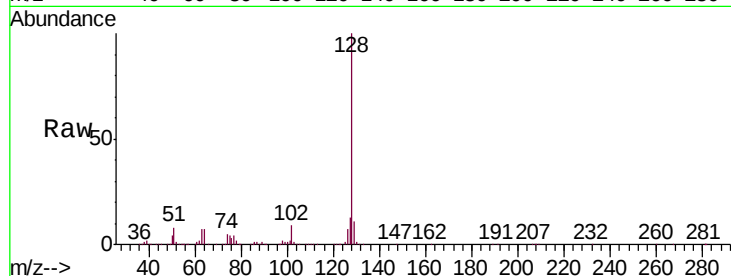
Tgt Ion:128 Resp: 760974

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

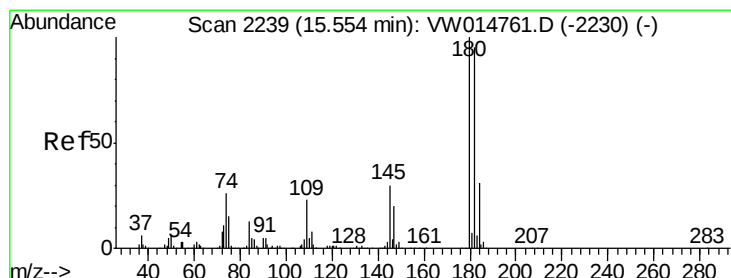
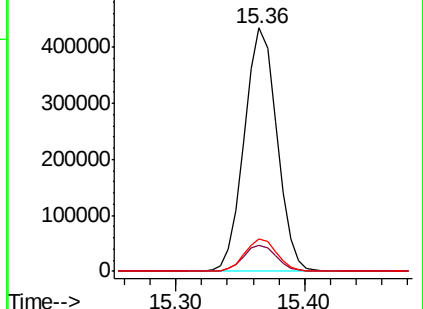
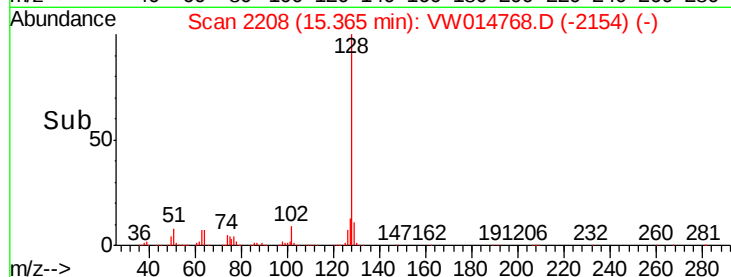
127 13.3 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 27.621 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014768.D

Acq: 27 Jan 2020 15:56

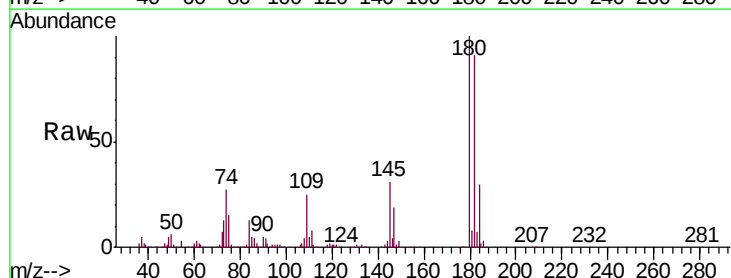
Tgt Ion:180 Resp: 334814

Ion Ratio Lower Upper

180 100

182 94.8 75.8 113.6

145 31.3 24.3 36.5



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

