

Data File : VV014260.D
Acq On : 03 Jan 2020 17:04
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00549

Quant Time: Jan 03 22:49:42 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 03 22:46:34 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	798903	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	731922	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	339671	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	291588	5.22	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.40%
7) Chloroethane-d5	1.59	69	220732	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.20%
11) 1,1-Dichloroethene-d2	2.13	63	447720	5.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	108.60%
20) 2-Butanone-d5	3.96	46	754072	56.16	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.32%
24) Chloroform-d	4.40	84	574466	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.40%
26) 1,2-Dichloroethane-d4	5.08	65	286235	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.80%
32) Benzene-d6	5.10	84	1166847	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.80%
36) 1,2-Dichloropropane-d6	6.12	67	358859	5.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.00%
41) Toluene-d8	7.36	98	1069456	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.20%
43) trans-1,3-Dichloropropene-	7.66	79	163528	5.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	109.20%
46) 2-Hexanone-d5	8.13	63	686830	54.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.30%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	253092	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	346574	5.43	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	338987	5.628 ug/L	98
3) Chloromethane	1.26	50	320679	5.356 ug/L	98
5) Vinyl chloride	1.33	62	303713	5.432 ug/L	99
6) Bromomethane	1.54	94	167840	5.291 ug/L	99
8) Chloroethane	1.60	64	165912	5.281 ug/L	96
9) Trichlorofluoromethane	1.77	101	377355	5.717 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	205200	5.739 ug/L	95
12) 1,1-Dichloroethene	2.14	96	198673	5.566 ug/L	97
13) Acetone	2.23	43	456490	49.366 ug/L	97
14) Carbon disulfide	2.32	76	859281	5.425 ug/L	99
15) Methyl Acetate	2.48	43	109822	5.102 ug/L	98
16) Methylene chloride	2.54	84	289170	4.977 ug/L	91
17) Methyl tert-butyl Ether	2.81	73	693284	5.248 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	289803	5.401 ug/L	94
19) 1,1-Dichloroethane	3.23	63	563075	5.355 ug/L	98
21) 2-Butanone	4.04	43	771045	55.588 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	314094	5.341 ug/L #	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	120605	5.394	ug/L	90
25) Chloroform	4.43	83	538983	5.354	ug/L	98
27) 1,2-Dichloroethane	5.18	62	327386	5.436	ug/L #	93
29) 1,1,1-Trichloroethane	4.66	97	474683	5.448	ug/L	98
30) Cyclohexane	4.73	56	565311	5.877	ug/L	96
31) Carbon tetrachloride	4.87	117	403641	5.410	ug/L	99
33) Benzene	5.15	78	1227094	5.444	ug/L	100
34) Trichloroethene	5.96	95	326554	5.637	ug/L	98
35) Methylcyclohexane	6.18	83	547395	5.780	ug/L	96
37) 1,2-Dichloropropane	6.22	63	304870	5.358	ug/L	99
38) Bromodichloromethane	6.55	83	387363	5.280	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	481143	5.223	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	1900479	52.989	ug/L	99
42) Toluene	7.43	91	1294378	5.440	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	369903	5.229	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	192971	5.309	ug/L	99
47) Tetrachloroethene	8.02	164	217683	5.501	ug/L	99
48) 2-Hexanone	8.18	43	1357158	54.708	ug/L	98
49) Dibromochloromethane	8.29	129	239337	5.209	ug/L	96
50) 1,2-Dibromoethane	8.39	107	183553	5.215	ug/L	98
51) Chlorobenzene	8.92	112	786963	5.378	ug/L	97
52) Ethylbenzene	9.05	91	1476637	5.547	ug/L	99
53) m,p-xylene	9.18	106	542165	5.521	ug/L	97
54) o-xylene	9.58	106	526427	5.451	ug/L	97
55) Styrene	9.60	104	884383	5.406	ug/L	96
56) Isopropylbenzene	9.97	105	1420914	5.641	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	230316	5.139	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	178482	5.265	ug/L	99
61) Bromoform	9.77	173	122062	5.302	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	595294	5.606	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	581311	5.505	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	531570	5.543	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	45369	5.147	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	425714	5.513	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	370235	5.466	ug/L	100
69) Naphthalene	13.55	128	713131	5.182	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	321848	5.400	ug/L	99

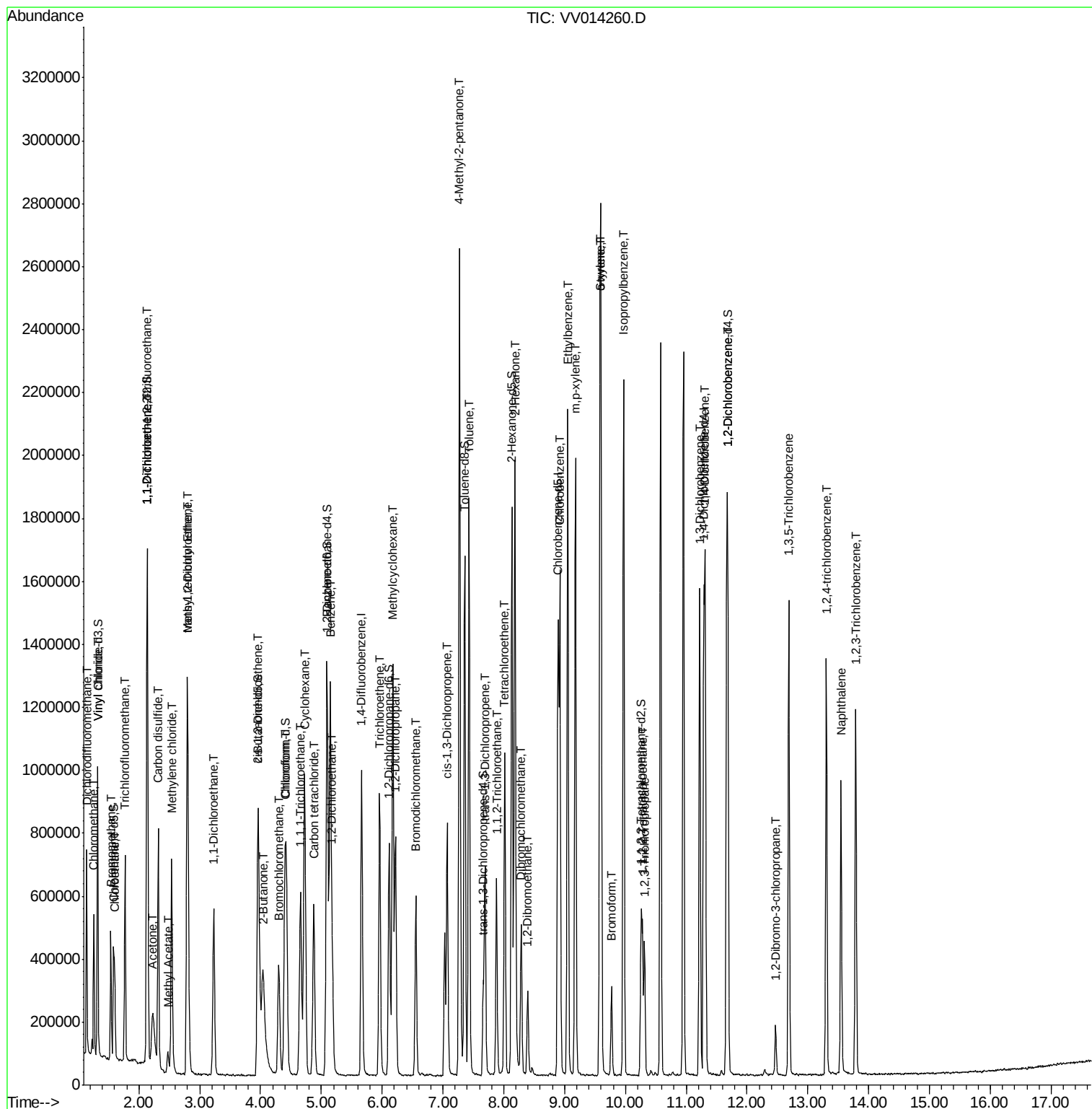
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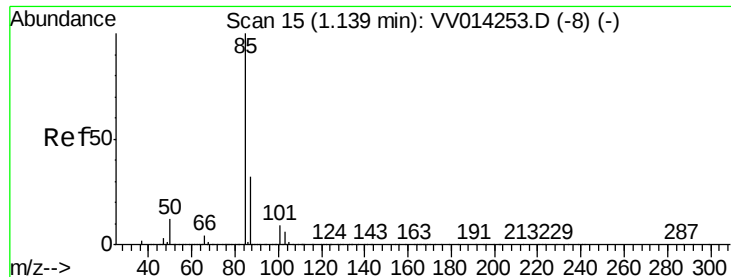
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#2

Dichlorodifluoromethane

Concen: 5.628 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV014260.D

Acq: 03 Jan 2020 17:04

Instrument :

MSVOA_V

ClientSampleId :

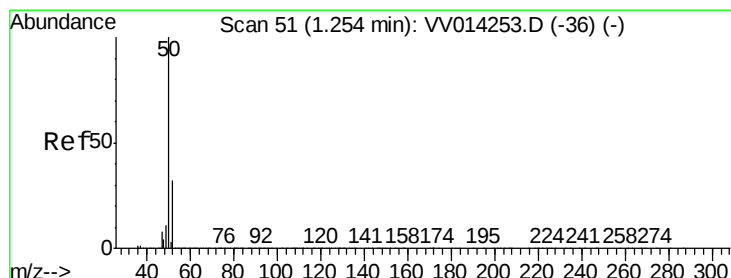
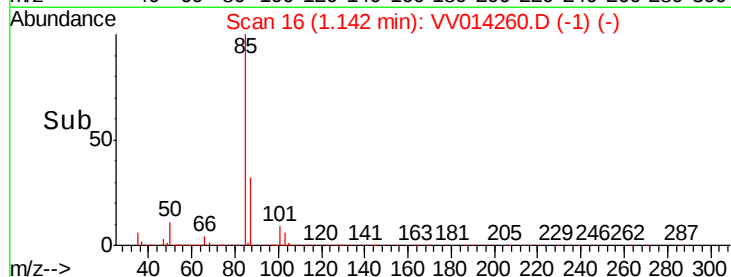
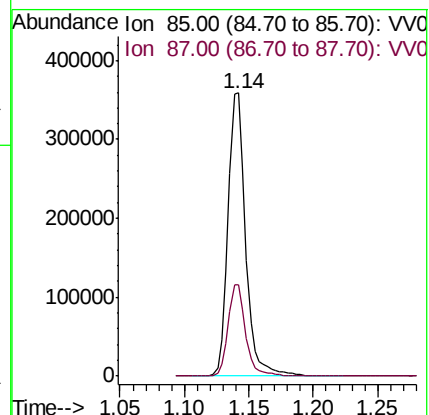
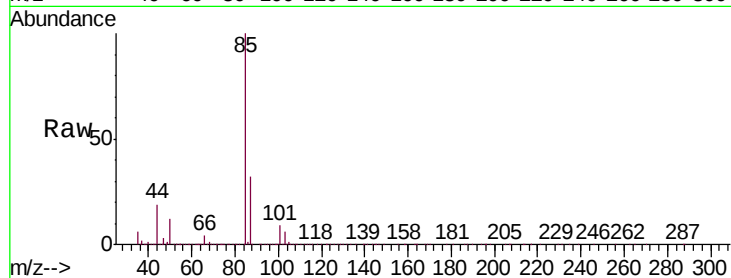
VSTD00549

Tgt Ion: 85 Resp: 338987

Ion Ratio Lower Upper

85 100

87 32.5 25.1 37.7



#3

Chloromethane

Concen: 5.356 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV014260.D

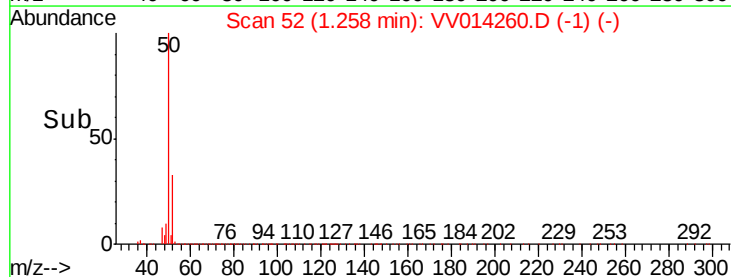
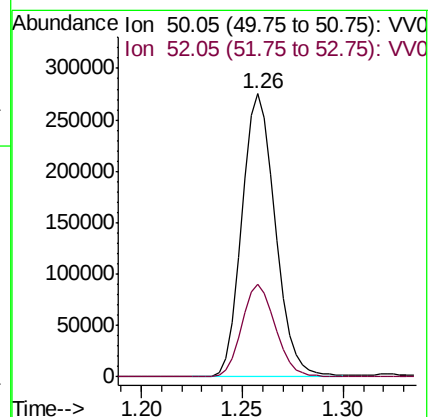
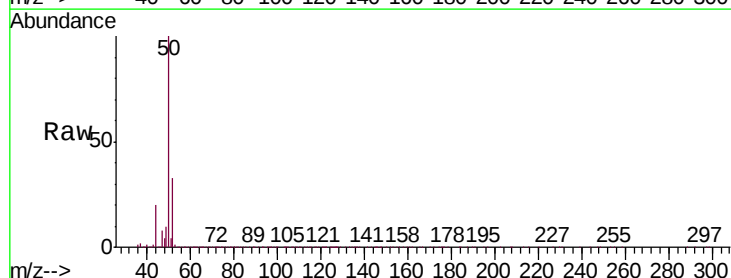
Acq: 03 Jan 2020 17:04

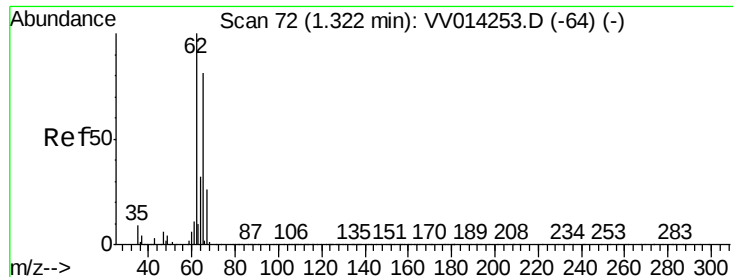
Tgt Ion: 50 Resp: 320679

Ion Ratio Lower Upper

50 100

52 32.8 22.3 41.3





#5

Vinyl chloride

Concen: 5.432 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV014260.D

Acq: 03 Jan 2020 17:04

Instrument :

MSVOA_V

ClientSampleId :

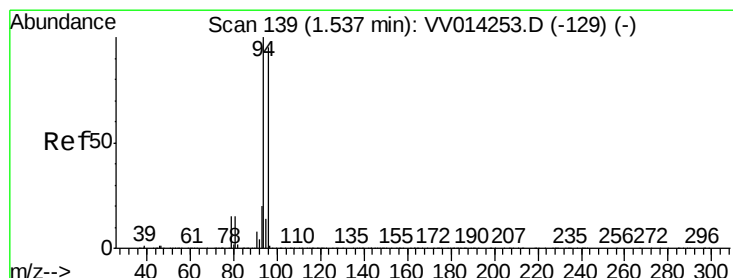
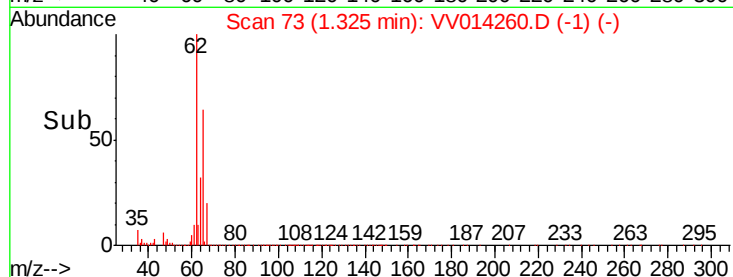
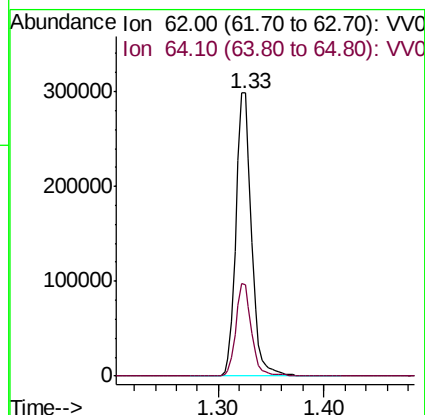
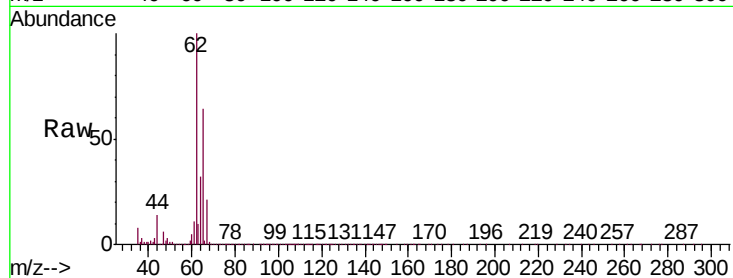
VSTD00549

Tgt Ion: 62 Resp: 303713

Ion Ratio Lower Upper

62 100

64 32.3 23.0 42.6



#6

Bromomethane

Concen: 5.291 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014260.D

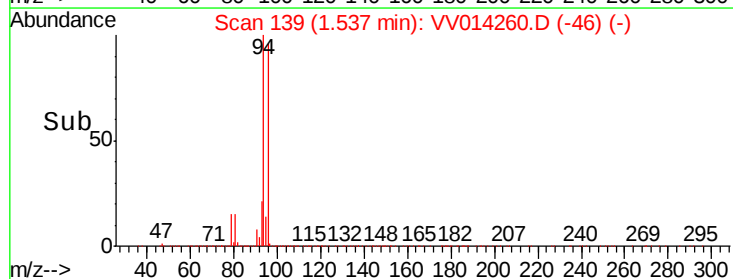
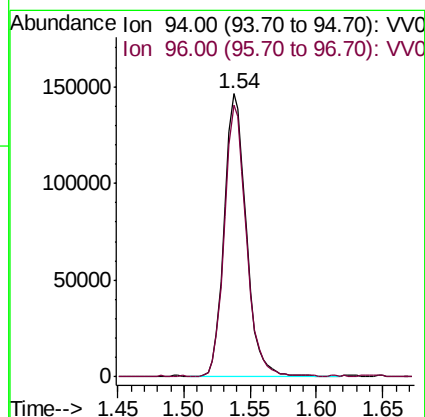
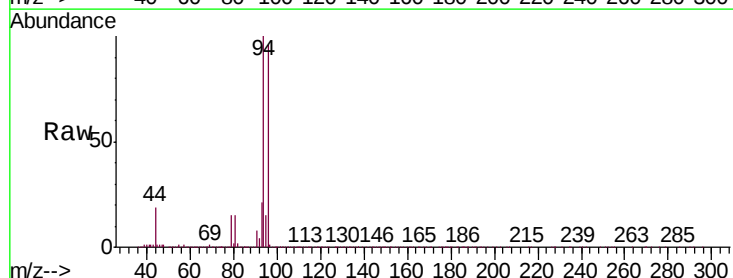
Acq: 03 Jan 2020 17:04

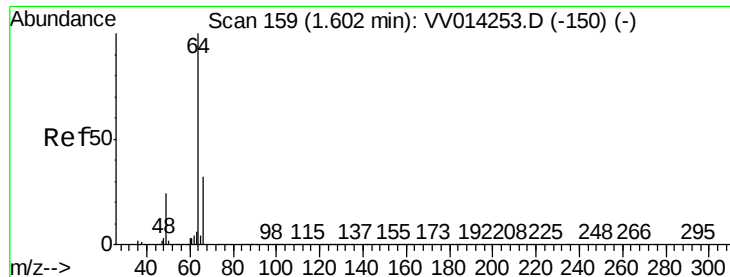
Tgt Ion: 94 Resp: 167840

Ion Ratio Lower Upper

94 100

96 96.1 66.9 124.3

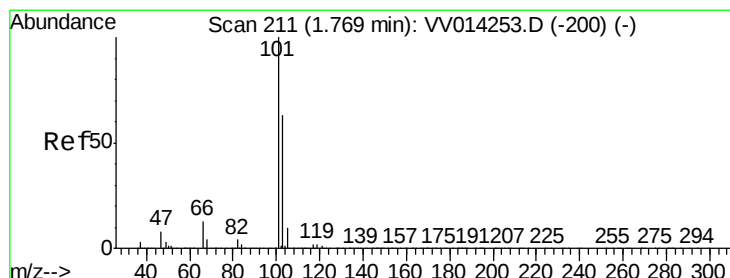
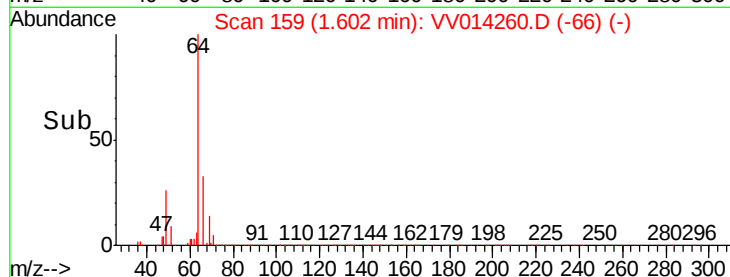
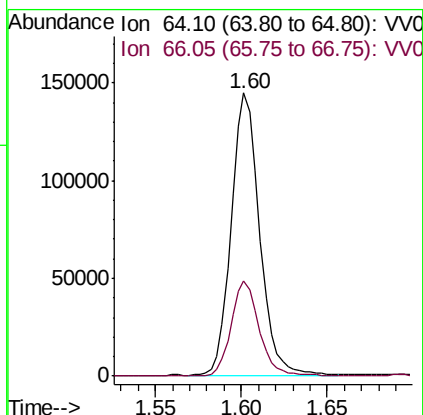
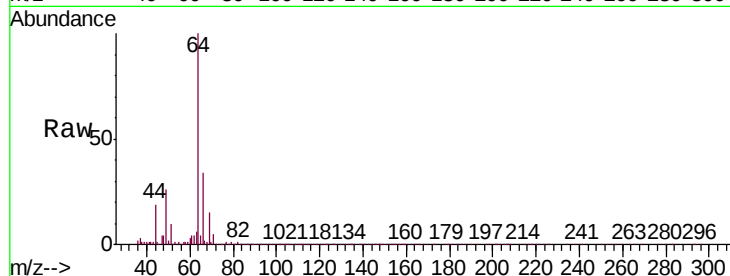




#8
Chloroethane
Concen: 5.281 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV014260.D
Acq: 03 Jan 2020 17:04

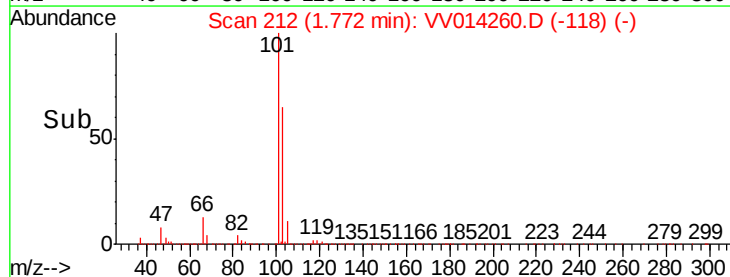
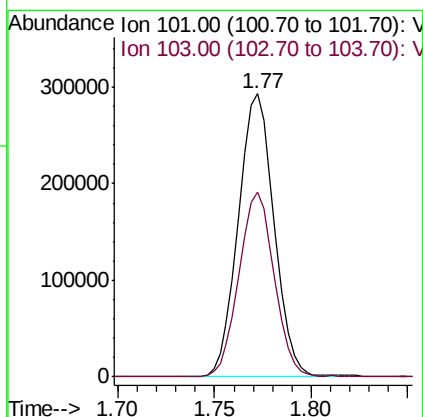
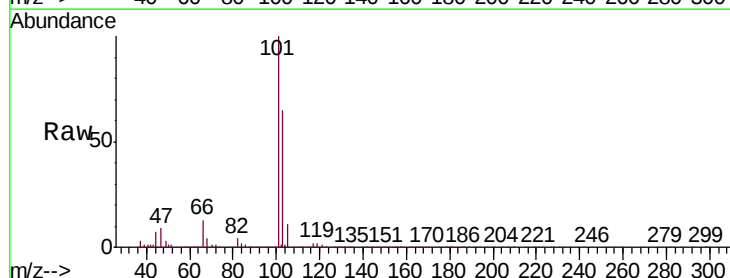
Instrument :
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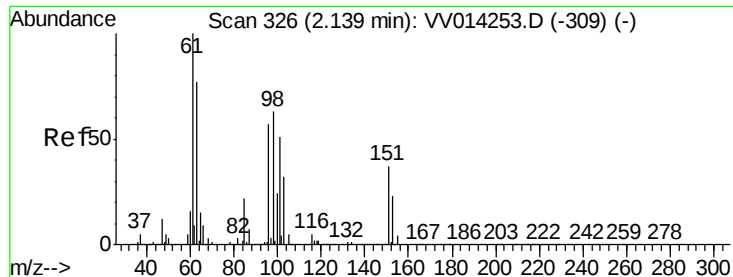
Tgt Ion: 64 Resp: 165912
Ion Ratio Lower Upper
64 100
66 33.5 21.8 40.6



#9
Trichlorofluoromethane
Concen: 5.717 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV014260.D
Acq: 03 Jan 2020 17:04

Tgt Ion: 101 Resp: 377355
Ion Ratio Lower Upper
101 100
103 64.1 52.6 78.8





#10

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

Concen: 5.739 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014260.D

Acq: 03 Jan 2020 17:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD00549

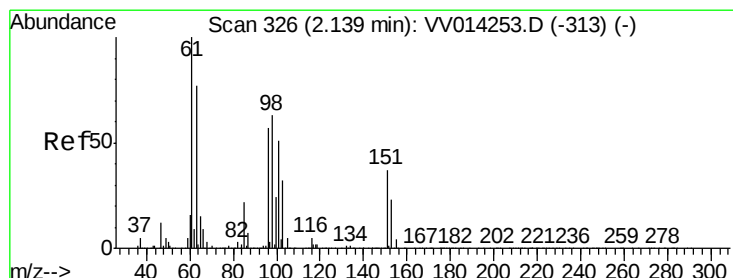
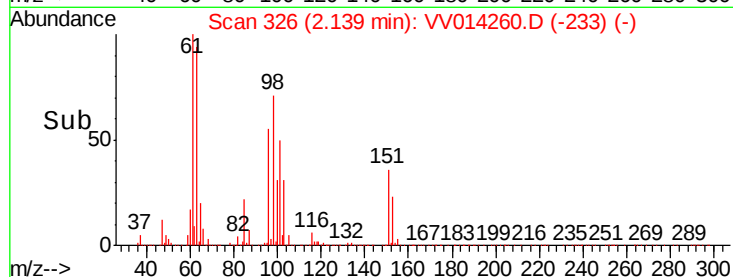
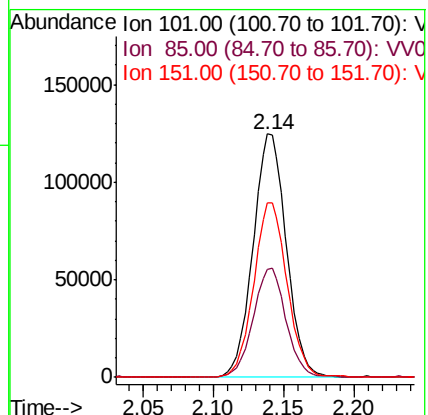
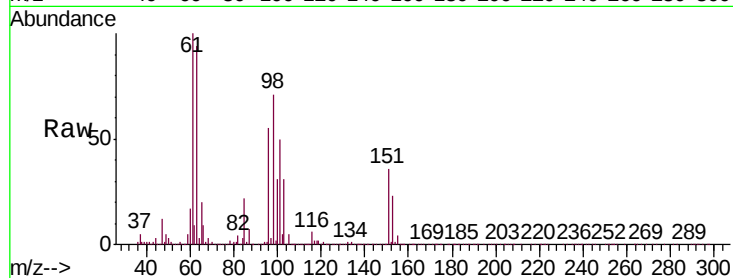
Tgt Ion: 101 Resp: 205200

Ion Ratio Lower Upper

101 100

85 44.2 34.9 52.3

151 72.5 62.5 93.7



#12

1,1-Dichloroethene

Concen: 5.566 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014260.D

Acq: 03 Jan 2020 17:04

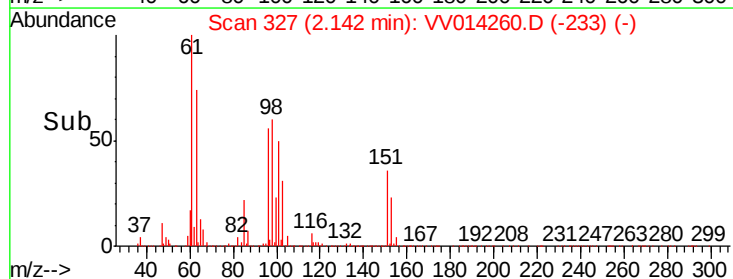
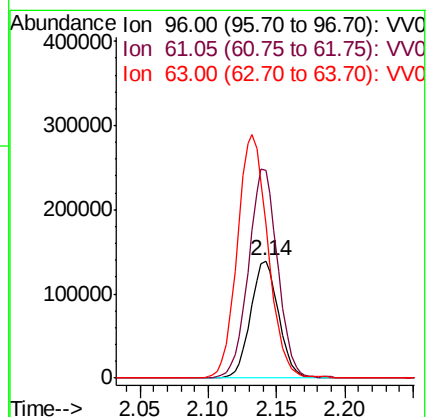
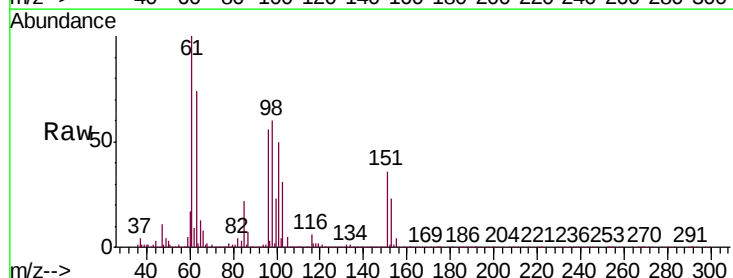
Tgt Ion: 96 Resp: 198673

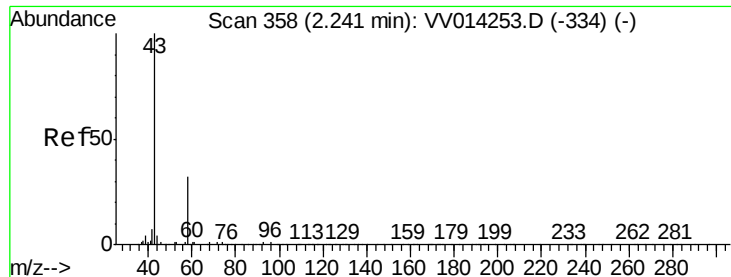
Ion Ratio Lower Upper

96 100

61 177.7 121.5 225.7

63 131.2 90.3 167.7





#13

Acetone

Concen: 49.366 ug/L

RT: 2.23 min Scan# 354

Delta R.T. -0.01 min

Lab File: VV014260.D

Acq: 03 Jan 2020 17:04

Instrument :

MSVOA_V

ClientSampleId :

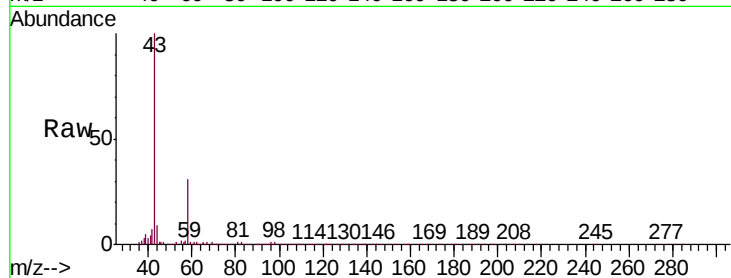
VSTD00549

Tgt Ion: 43 Resp: 456490

Ion Ratio Lower Upper

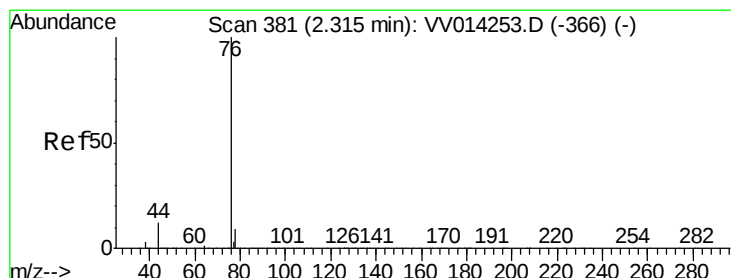
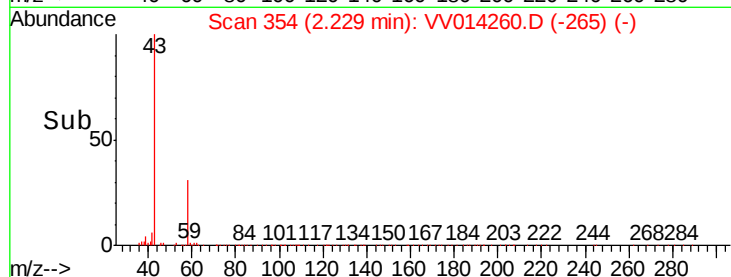
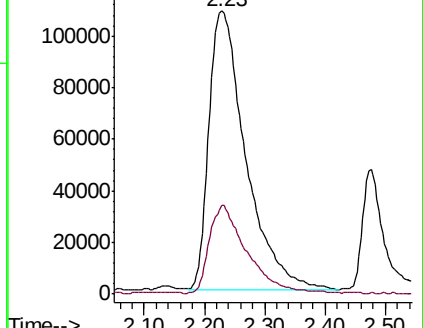
43 100

58 31.5 0.0 66.0



Abundance Ion 43.05 (42.75 to 43.75): VV014253.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV014253.D (-334) (-)



#14

Carbon disulfide

Concen: 5.425 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV014260.D

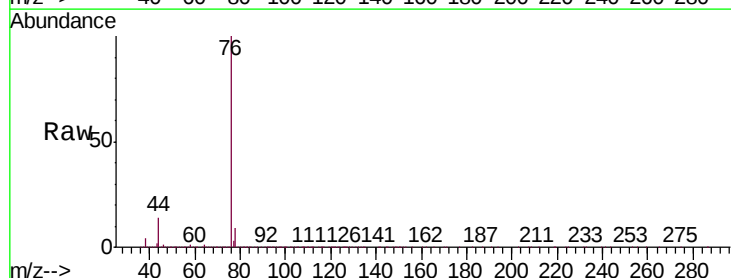
Acq: 03 Jan 2020 17:04

Tgt Ion: 76 Resp: 859281

Ion Ratio Lower Upper

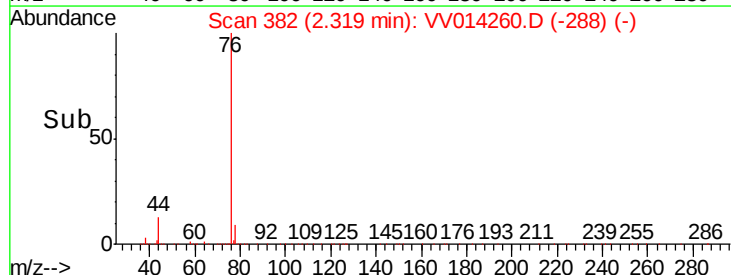
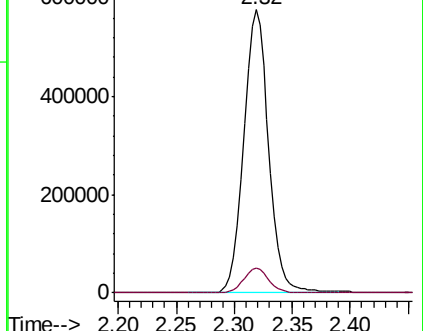
76 100

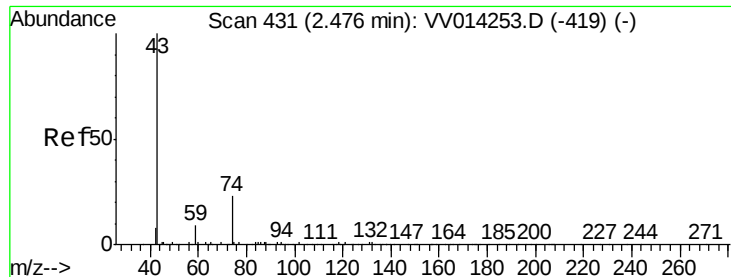
78 8.9 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV014253.D (-366) (-)

Ion 78.00 (77.70 to 78.70): VV014253.D (-366) (-)





#15

Methyl Acetate

Concen: 5.102 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VV014260.D

Acq: 03 Jan 2020 17:04

Instrument :

MSVOA_V

ClientSampleId :

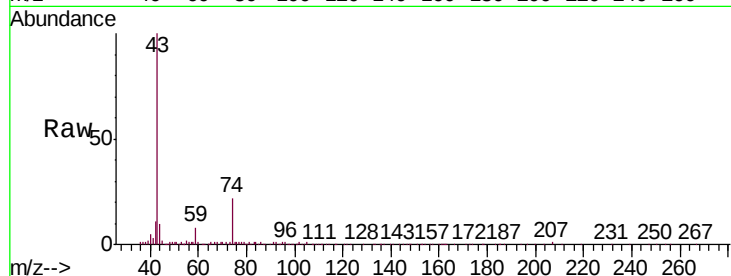
VSTD00549

Tgt Ion: 43 Resp: 109822

Ion Ratio Lower Upper

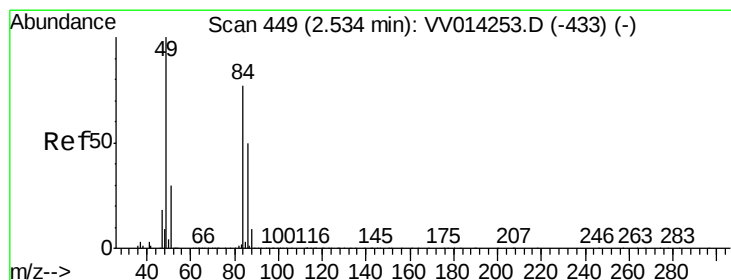
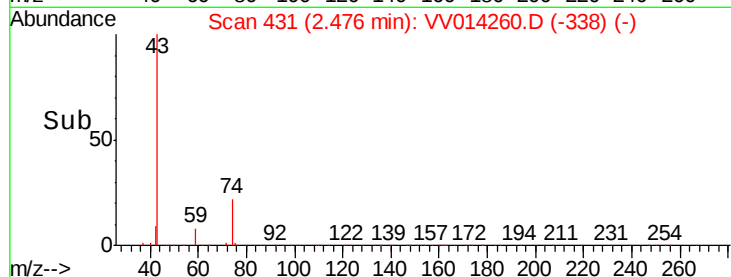
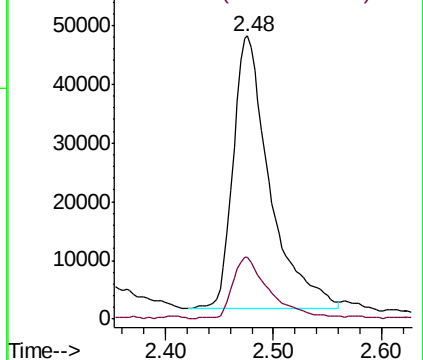
43 100

74 22.5 18.6 28.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 4.977 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV014260.D

Acq: 03 Jan 2020 17:04

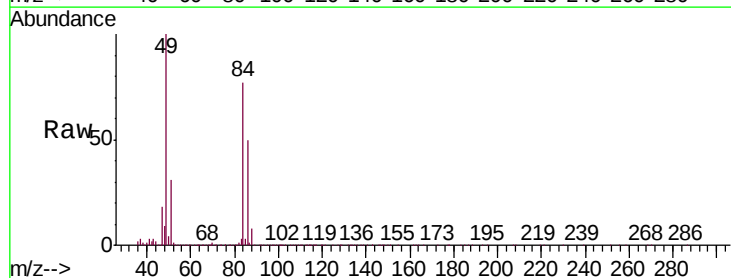
Tgt Ion: 84 Resp: 289170

Ion Ratio Lower Upper

84 100

86 64.5 43.1 80.1

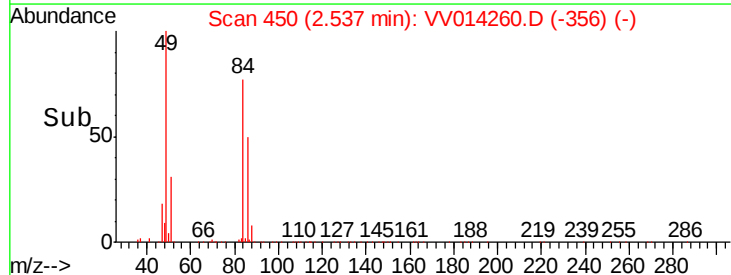
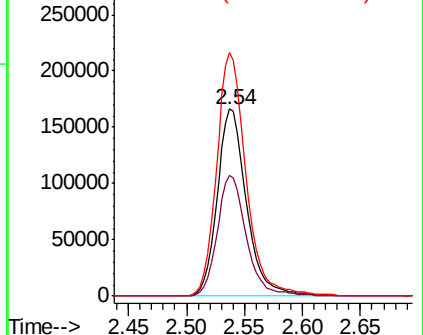
49 130.3 82.1 152.5

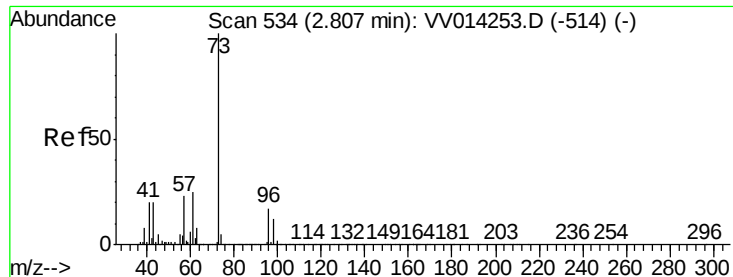


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

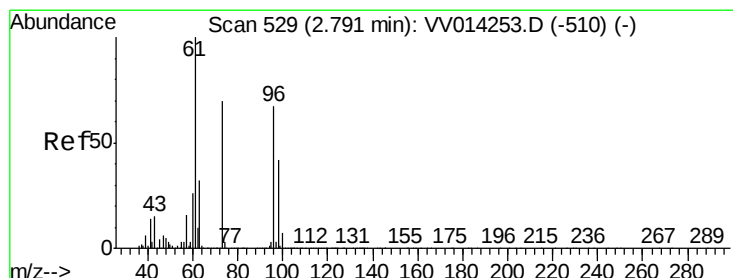
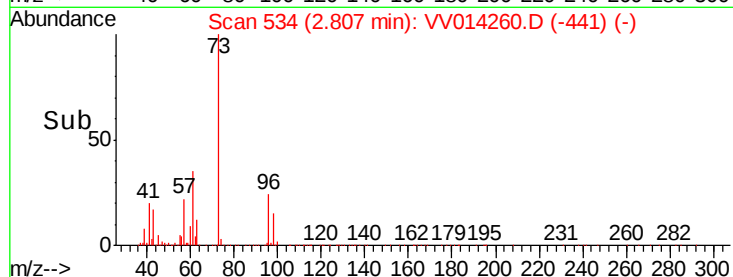
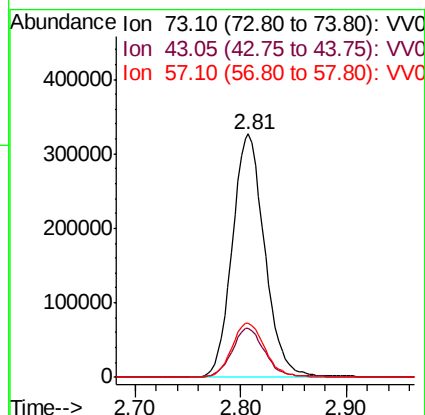
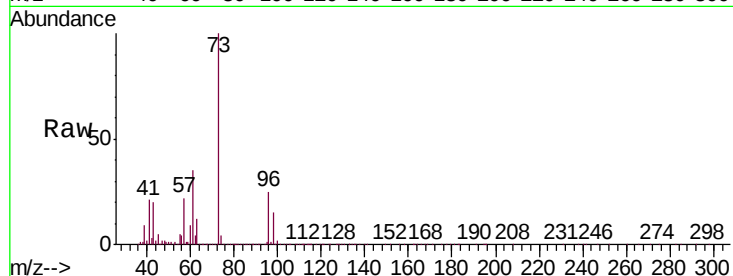




#17
Methyl tert-butyl Ether
Concen: 5.248 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV014260.D
Acq: 03 Jan 2020 17:04

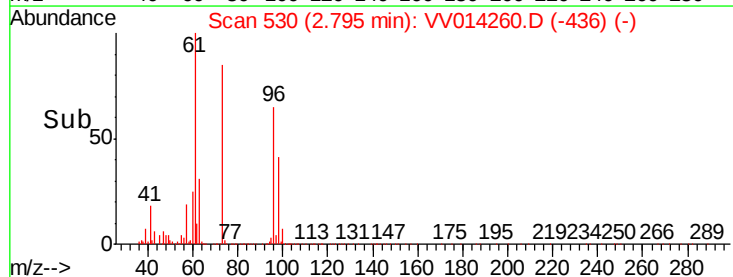
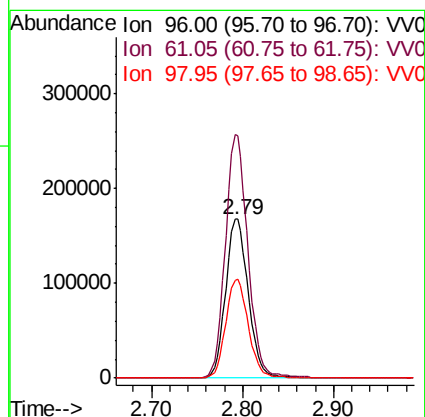
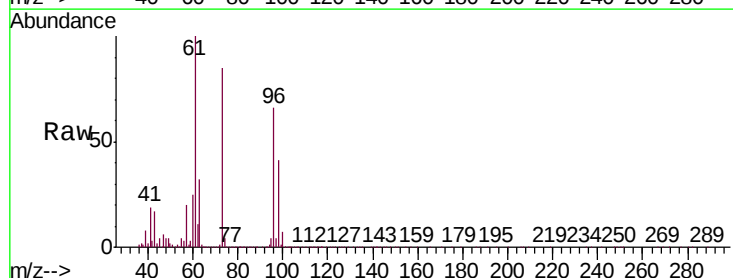
Instrument :
MSVOA_V
ClientSampleId :
VSTD00549

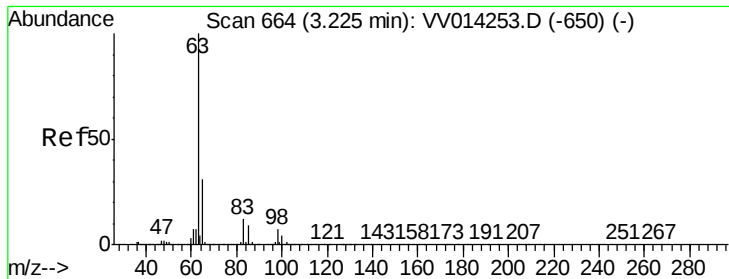
Tgt Ion: 73 Resp: 693284
Ion Ratio Lower Upper
73 100
43 19.8 14.7 22.1
57 22.4 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 5.401 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV014260.D
Acq: 03 Jan 2020 17:04

Tgt Ion: 96 Resp: 289803
Ion Ratio Lower Upper
96 100
61 152.6 99.2 184.2
98 62.2 43.1 80.1

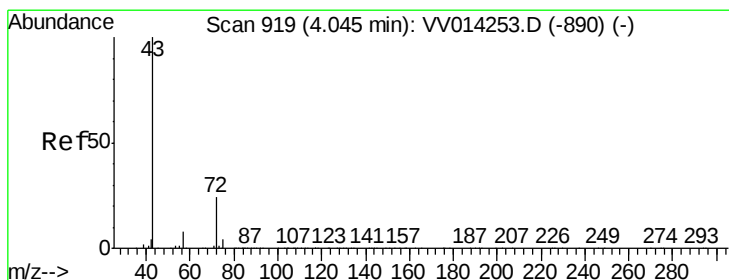
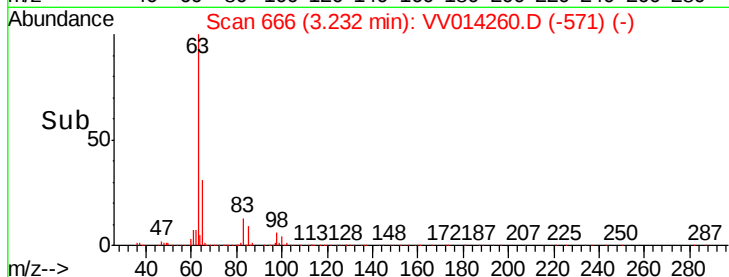
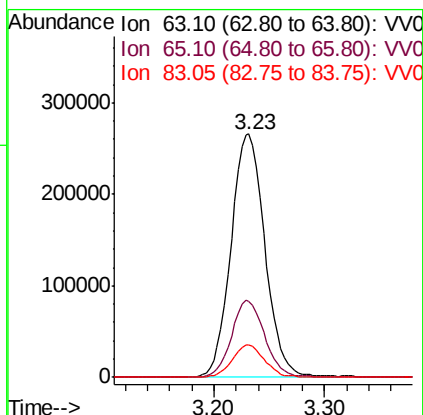
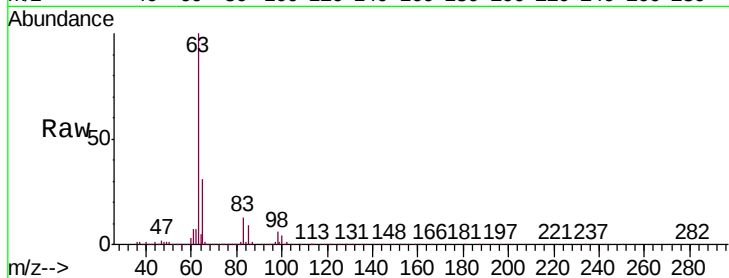




#19
 1,1-Dichloroethane
 Concen: 5.355 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.01 min
 Lab File: VV014260.D
 Acq: 03 Jan 2020 17:04

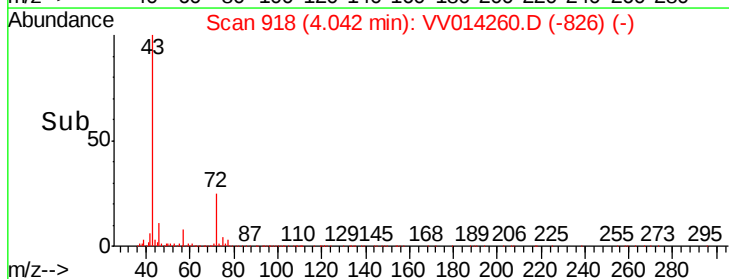
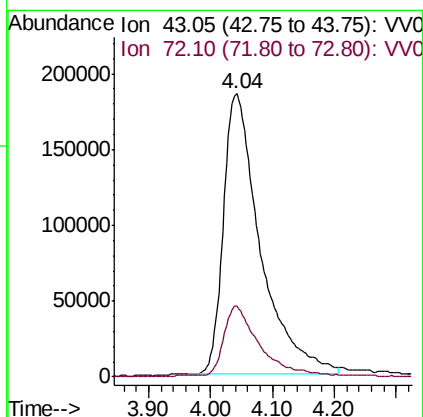
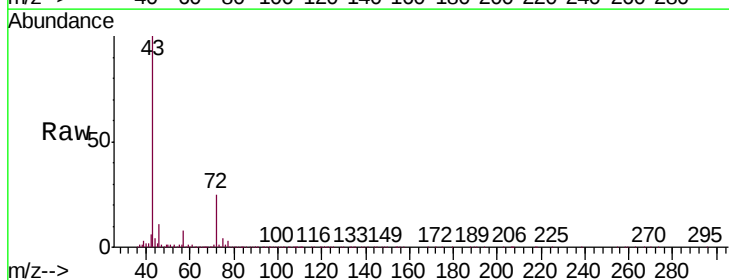
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00549

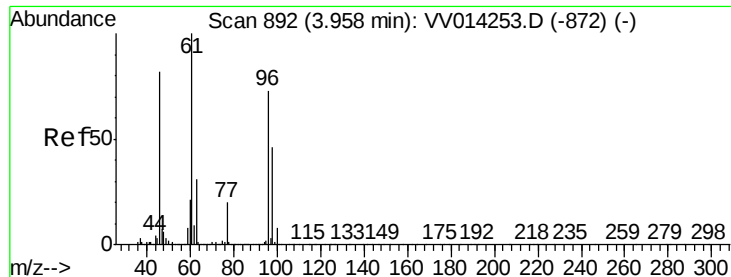
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.4	22.7	42.3
83	13.2	10.0	18.6



#21
 2-Butanone
 Concen: 55.588 ug/L
 RT: 4.04 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VV014260.D
 Acq: 03 Jan 2020 17:04

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.7	12.4	37.2



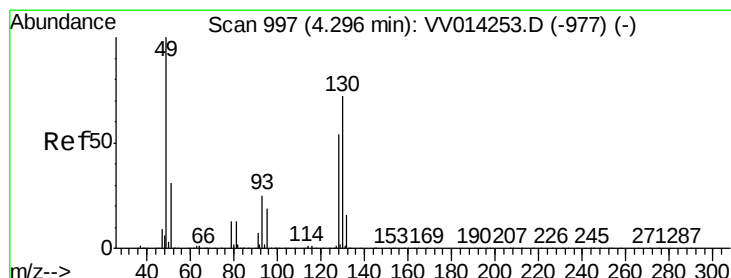
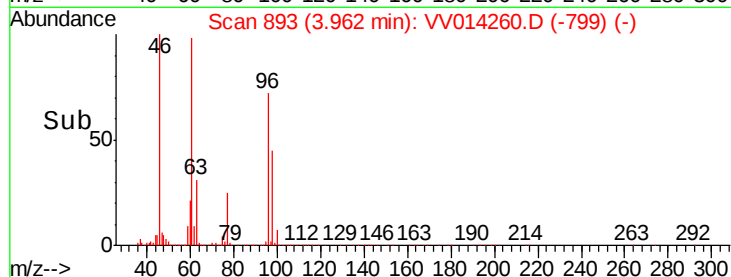
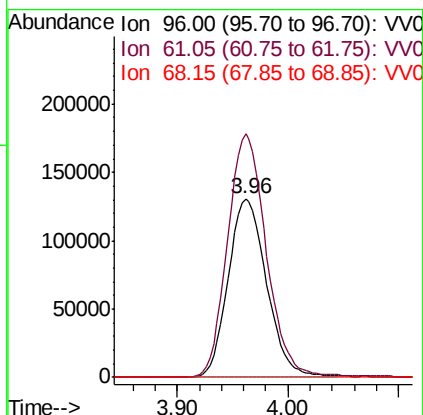
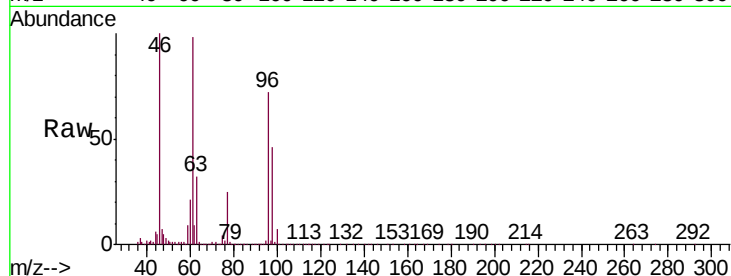


#22

cis-1,2-Dichloroethene
 Concen: 5.341 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV014260.D
 Acq: 03 Jan 2020 17:04

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00549

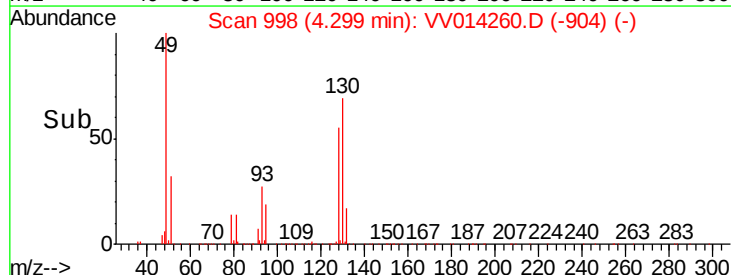
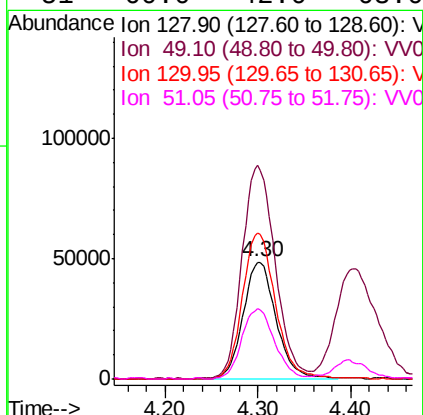
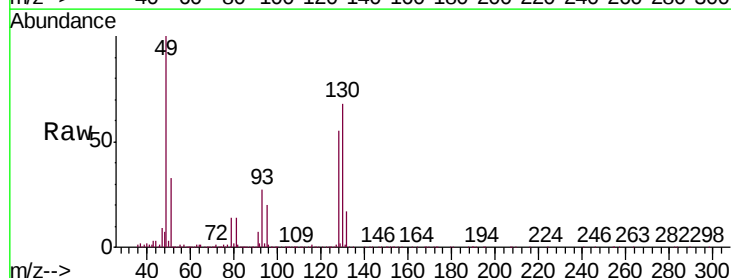
Tgt Ion: 96 Resp: 314094
 Ion Ratio Lower Upper
 96 100
 61 136.4 90.6 168.3
 68 0.1 0.3 0.7#

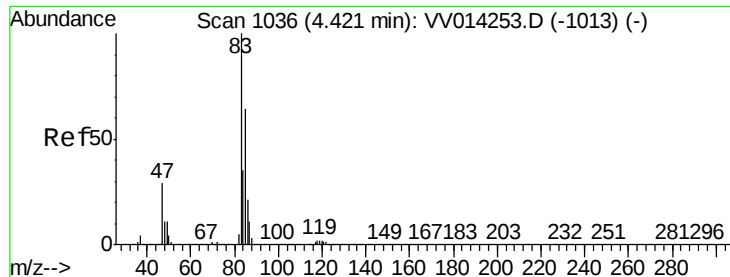


#23

Bromochloromethane
 Concen: 5.394 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV014260.D
 Acq: 03 Jan 2020 17:04

Tgt Ion: 128 Resp: 120605
 Ion Ratio Lower Upper
 128 100
 49 183.2 117.5 218.1
 130 125.4 93.7 173.9
 51 60.0 42.0 63.0





#25

Chloroform

Concen: 5.354 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VV014260.D

Acq: 03 Jan 2020 17:04

Instrument :

MSVOA_V

ClientSampleId :

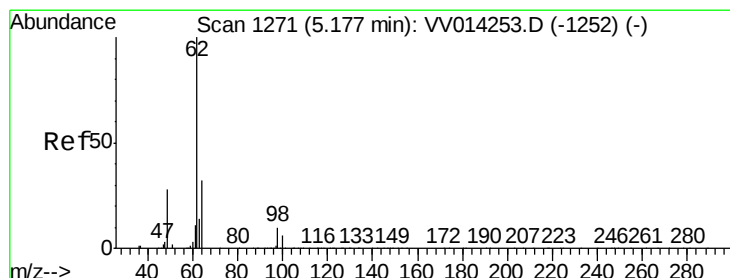
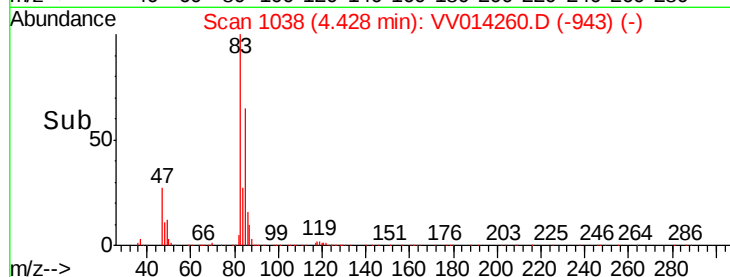
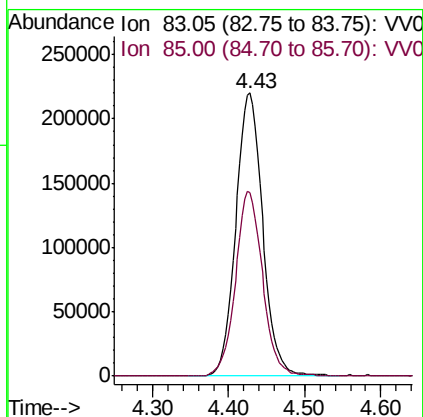
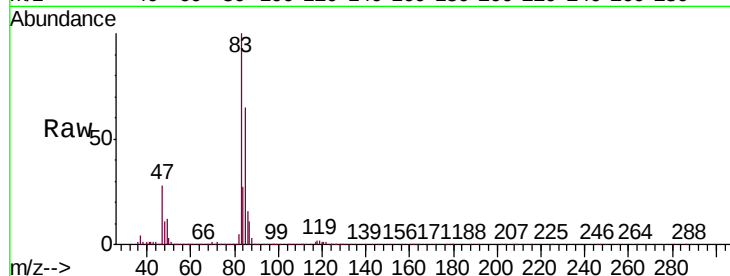
VSTD00549

Tgt Ion: 83 Resp: 538983

Ion Ratio Lower Upper

83 100

85 64.6 46.2 85.8



#27

1,2-Dichloroethane

Concen: 5.436 ug/L

RT: 5.18 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VV014260.D

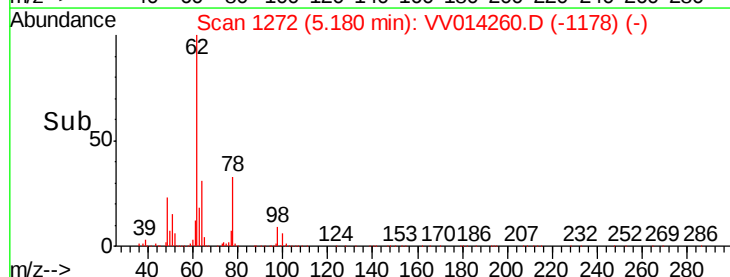
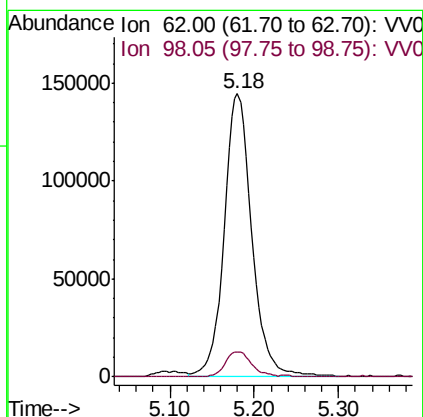
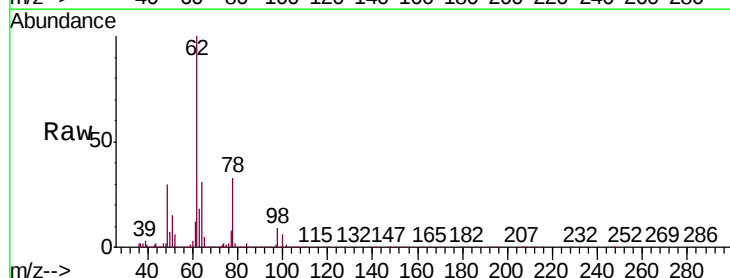
Acq: 03 Jan 2020 17:04

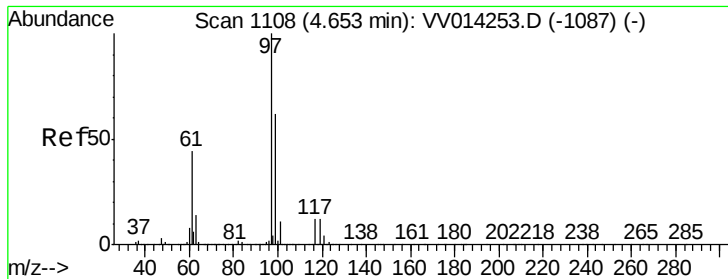
Tgt Ion: 62 Resp: 327386

Ion Ratio Lower Upper

62 100

98 8.9 9.2 13.8#

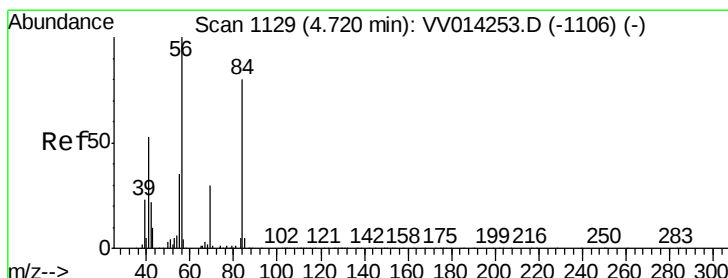
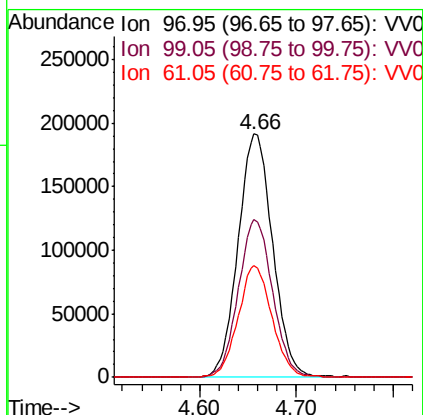
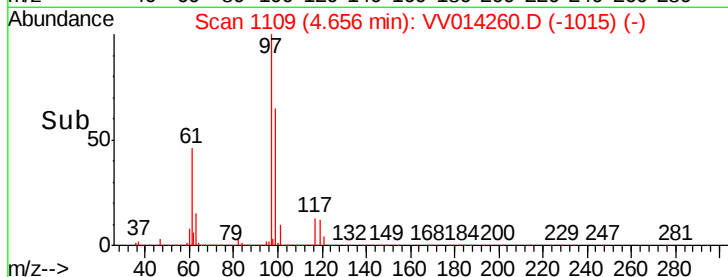
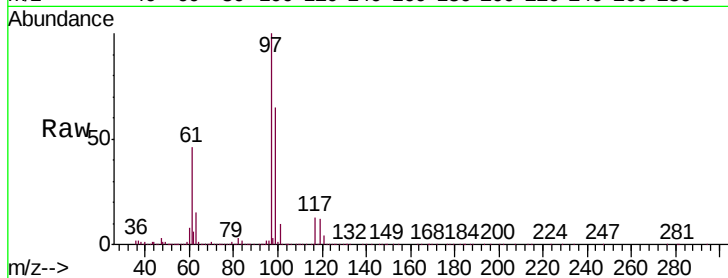




#29
 1,1,1-Trichloroethane
 Concen: 5.448 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV014260.D
 Acq: 03 Jan 2020 17:04

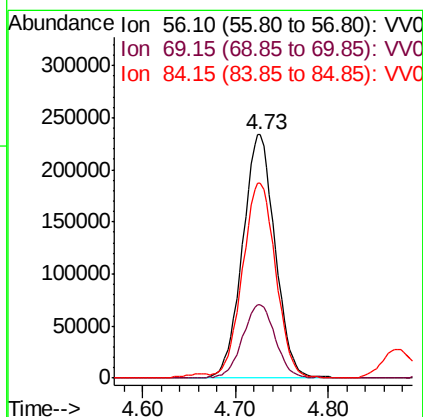
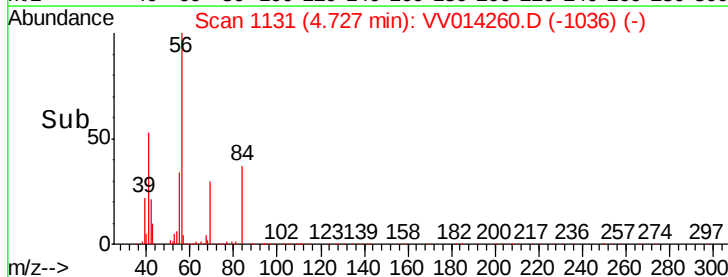
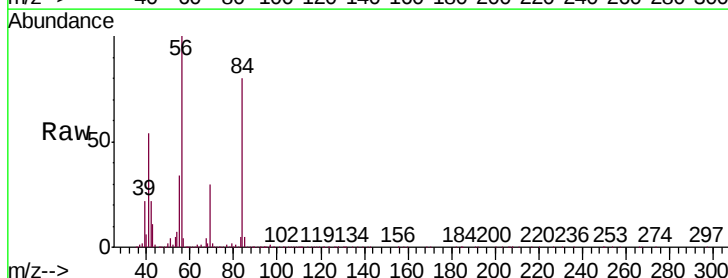
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00549

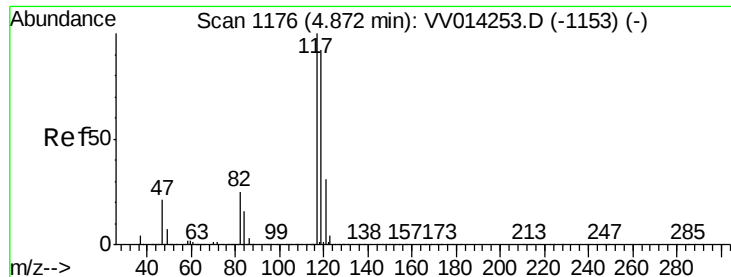
Tgt Ion: 97 Resp: 474683
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.1 76.7
 61 45.0 33.9 50.9



#30
 Cyclohexane
 Concen: 5.877 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. 0.01 min
 Lab File: VV014260.D
 Acq: 03 Jan 2020 17:04

Tgt Ion: 56 Resp: 565311
 Ion Ratio Lower Upper
 56 100
 69 30.1 23.9 35.9
 84 81.8 68.9 103.3





#31

Carbon tetrachloride

Concen: 5.410 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV014260.D

Acq: 03 Jan 2020 17:04

Instrument :

MSVOA_V

ClientSampleId :

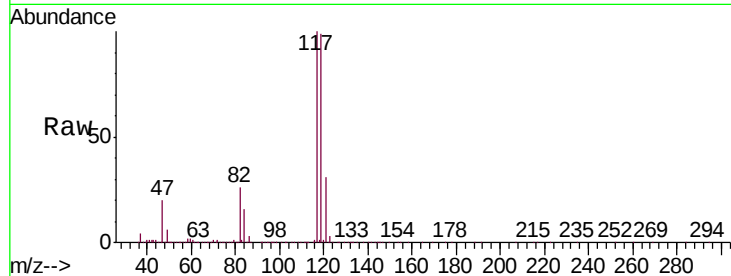
VSTD00549

Tgt Ion:117 Resp: 403641

Ion Ratio Lower Upper

117 100

119 97.1 76.8 115.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

200000

150000

100000

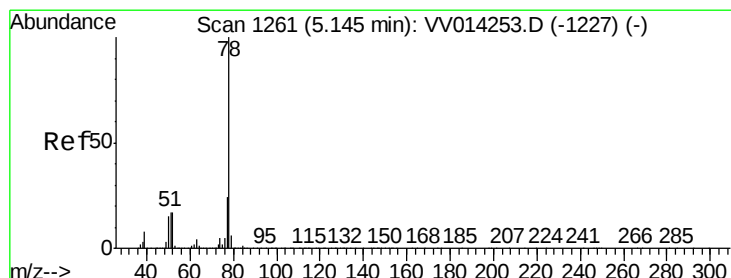
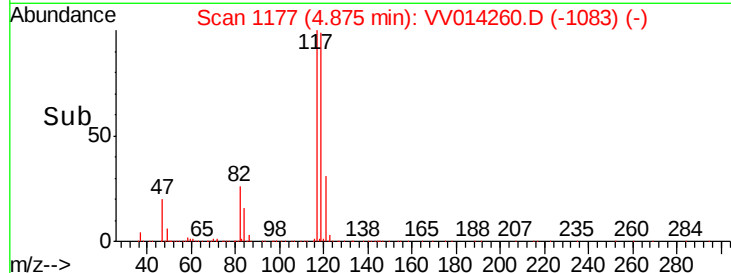
50000

0

4.87

4.80 4.85 4.90 4.95

Time-->



#33

Benzene

Concen: 5.444 ug/L

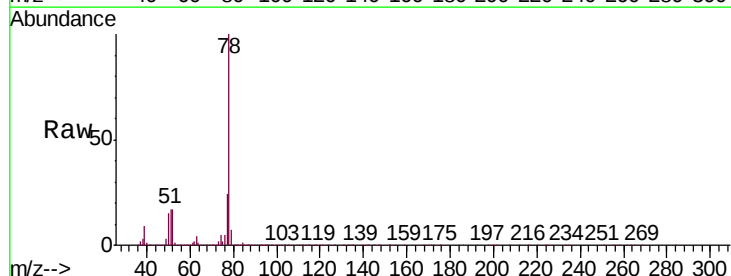
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV014260.D

Acq: 03 Jan 2020 17:04

Tgt Ion: 78 Resp: 1227094



Abundance Ion 78.10 (77.80 to 78.80): VV0

600000

500000

400000

300000

200000

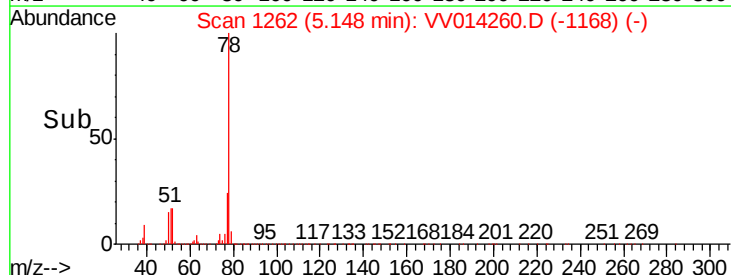
100000

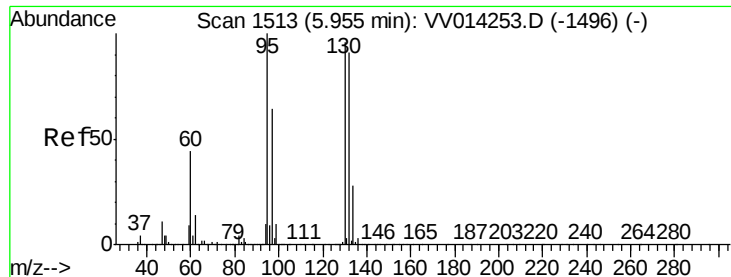
0

5.15

5.00 5.10 5.20 5.30

Time-->





#34

Trichloroethene

Concen: 5.637 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV014260.D

Acq: 03 Jan 2020 17:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD00549

Tgt Ion: 95 Resp: 326554

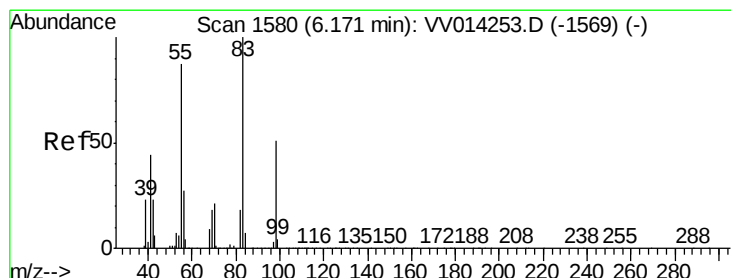
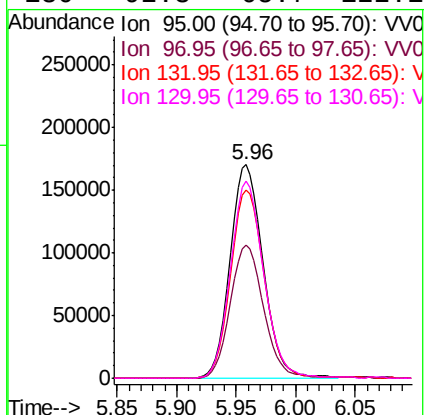
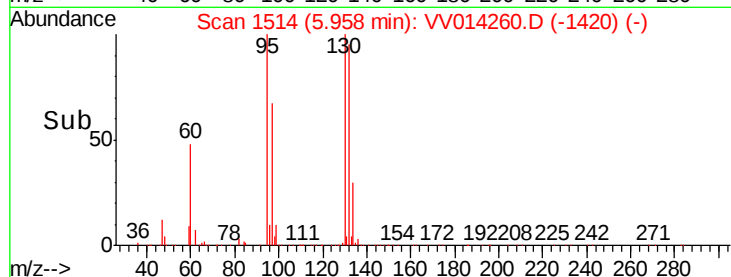
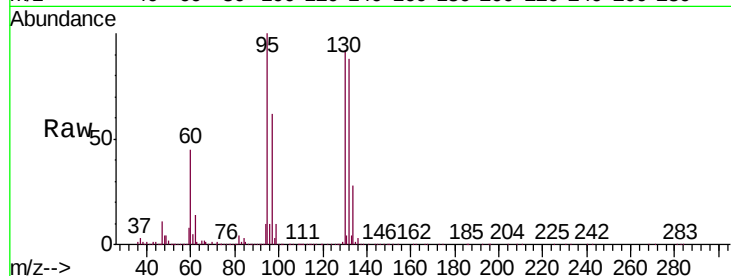
Ion Ratio Lower Upper

95 100

97 62.3 43.8 81.3

132 88.4 63.4 117.8

130 92.3 65.7 122.1



#35

Methylcyclohexane

Concen: 5.780 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.01 min

Lab File: VV014260.D

Acq: 03 Jan 2020 17:04

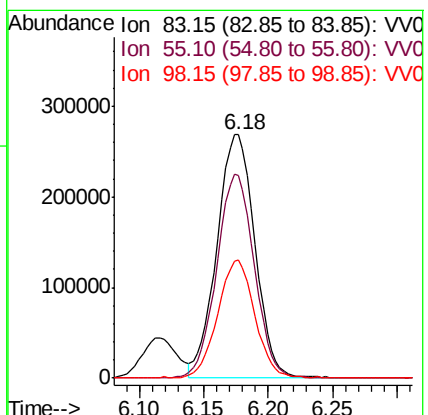
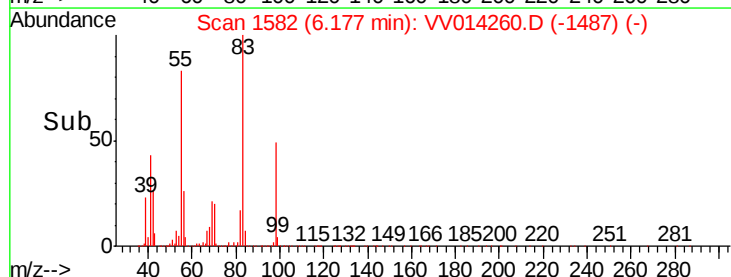
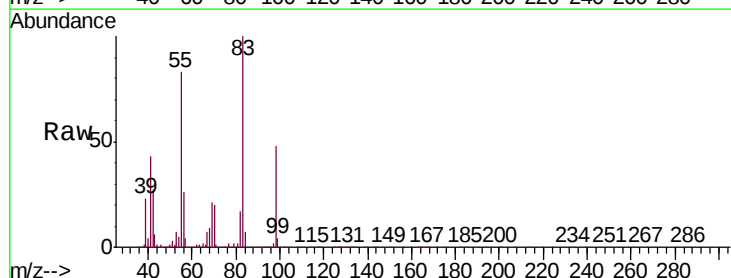
Tgt Ion: 83 Resp: 547395

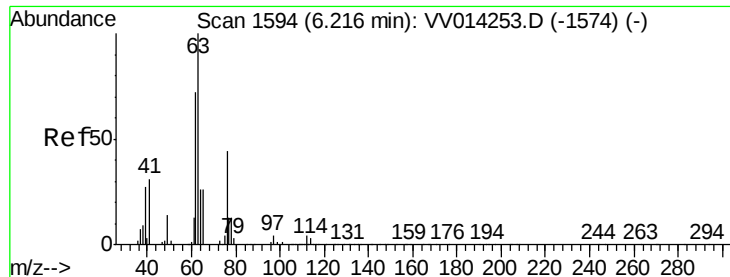
Ion Ratio Lower Upper

83 100

55 82.6 61.7 92.5

98 46.7 38.1 57.1

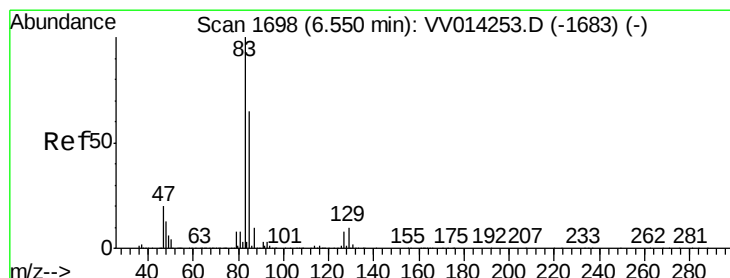
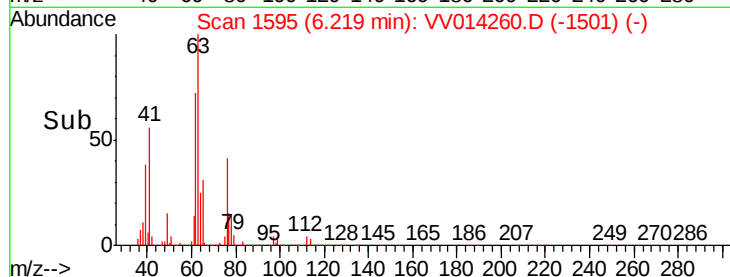
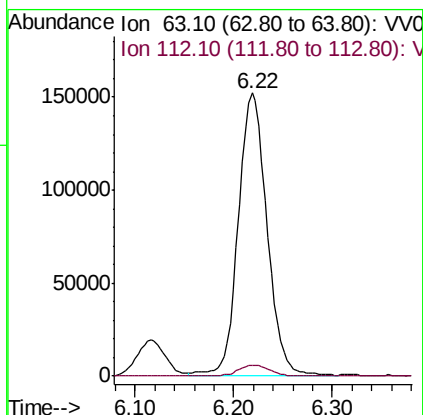
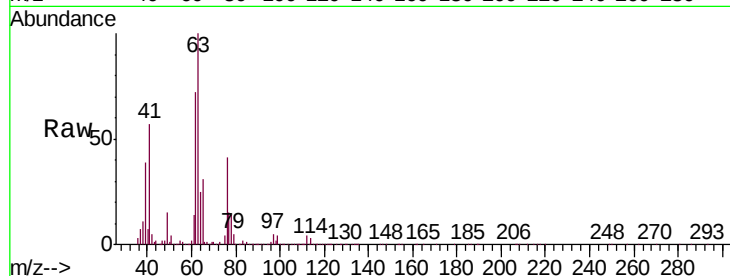




#37
 1,2-Dichloropropane
 Concen: 5.358 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV014260.D
 Acq: 03 Jan 2020 17:04

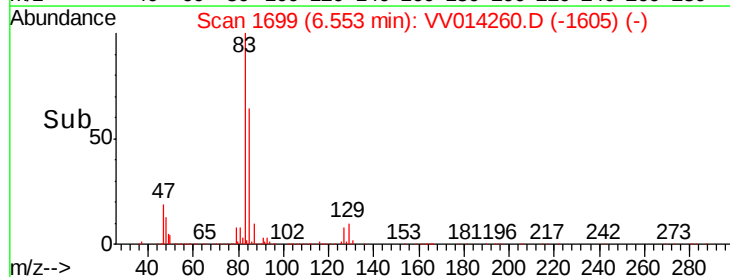
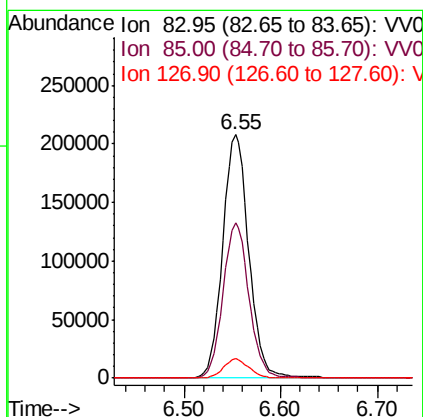
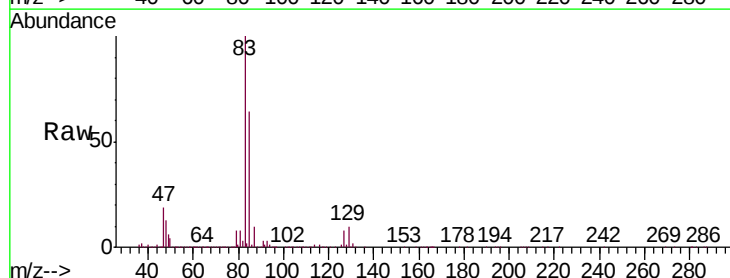
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00549

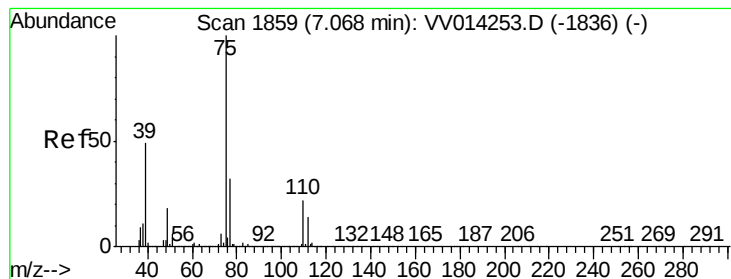
Tgt Ion: 63 Resp: 304870
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.7 5.5



#38
 Bromodichloromethane
 Concen: 5.280 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV014260.D
 Acq: 03 Jan 2020 17:04

Tgt Ion: 83 Resp: 387363
 Ion Ratio Lower Upper
 83 100
 85 63.5 46.4 86.2
 127 7.9 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 5.223 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VV014260.D

Acq: 03 Jan 2020 17:04

Instrument :

MSVOA_V

ClientSampleId :

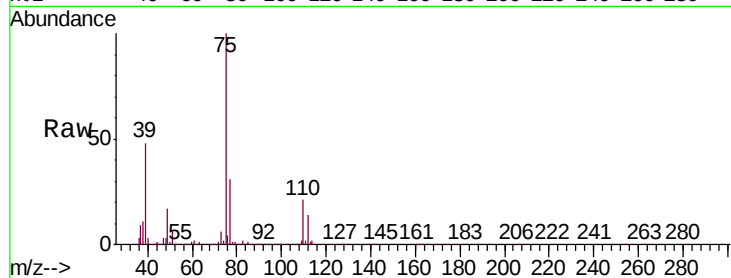
VSTD00549

Tgt Ion: 75 Resp: 481143

Ion Ratio Lower Upper

75 100

77 30.8 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VV014260.D (-1766) (-)

Ion 77.05 (76.75 to 77.75): VV014260.D (-1766) (-)

7.07

300000

250000

200000

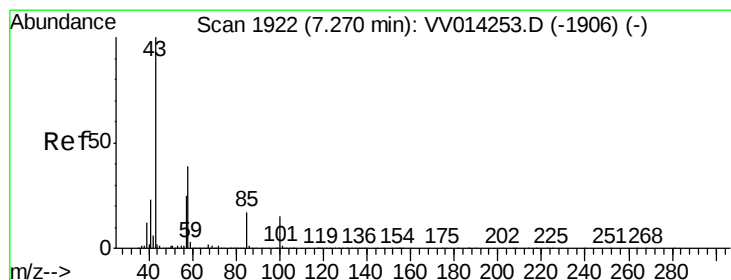
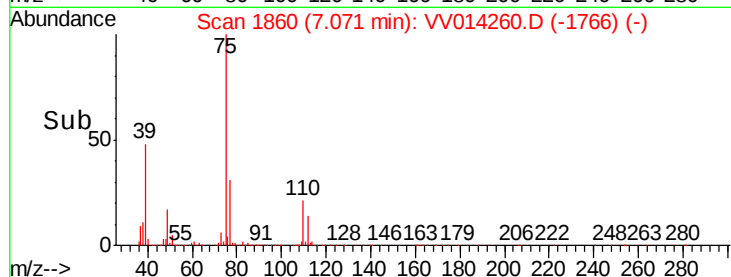
150000

100000

50000

0

Time-->



#40

4-Methyl-2-pentanone

Concen: 52.989 ug/L

RT: 7.27 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VV014260.D

Acq: 03 Jan 2020 17:04

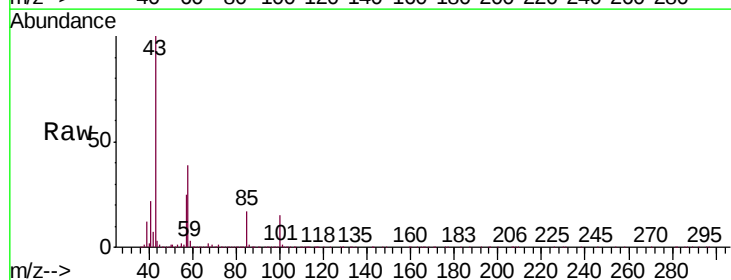
Tgt Ion: 43 Resp: 1900479

Ion Ratio Lower Upper

43 100

58 38.8 31.5 47.3

100 14.5 12.2 18.2



Abundance Ion 43.05 (42.75 to 43.75): VV014260.D (-1829) (-)

Ion 58.05 (57.75 to 58.75): VV014260.D (-1829) (-)

Ion 100.15 (99.85 to 100.85): VV014260.D (-1829) (-)

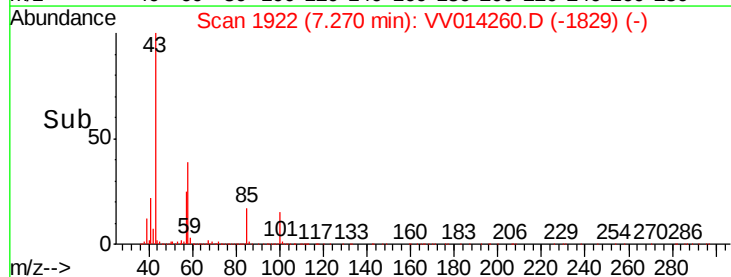
7.27

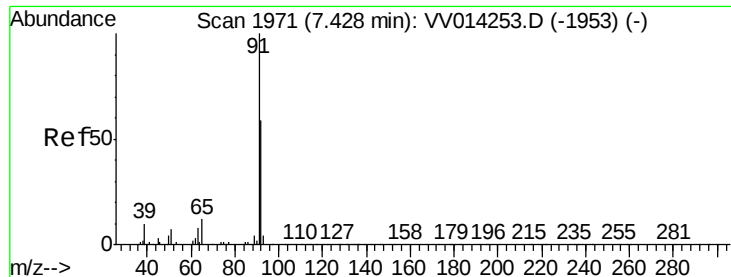
1000000

500000

0

Time-->





#42

Toluene

Concen: 5.440 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014260.D

Acq: 03 Jan 2020 17:04

Instrument :

MSVOA_V

ClientSampleId :

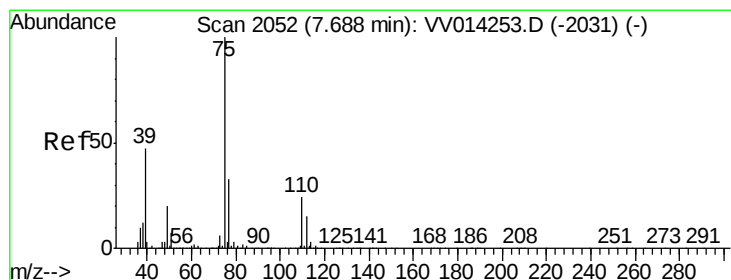
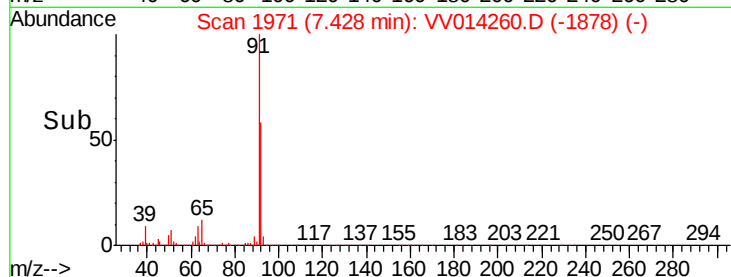
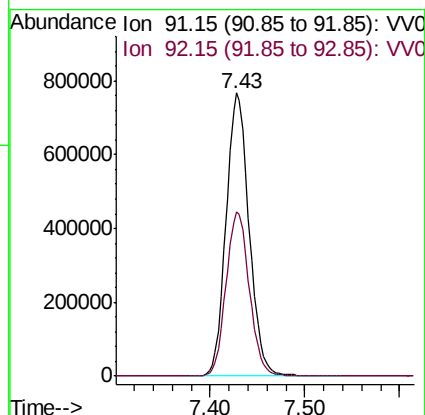
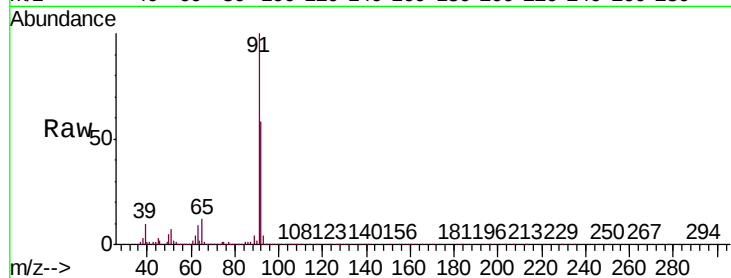
VSTD00549

Tgt Ion: 91 Resp: 1294378

Ion Ratio Lower Upper

91 100

92 57.9 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 5.229 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV014260.D

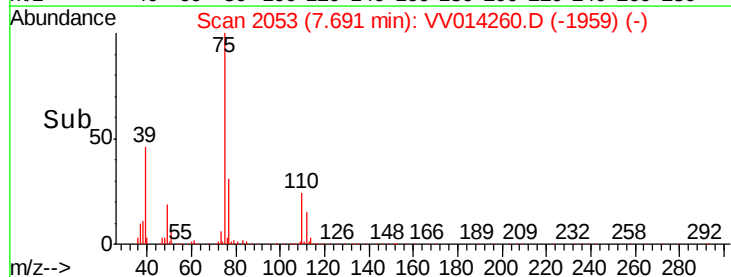
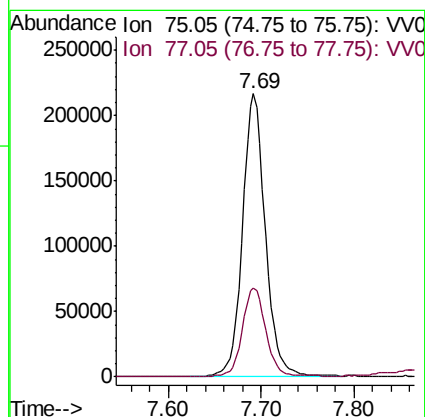
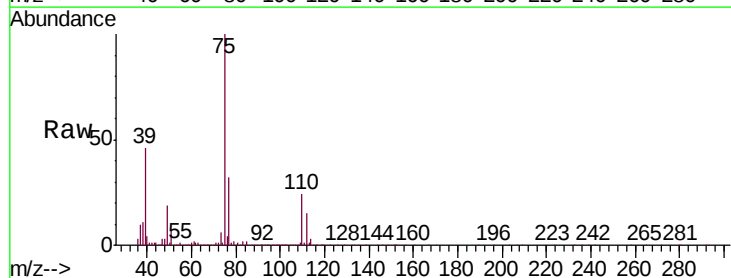
Acq: 03 Jan 2020 17:04

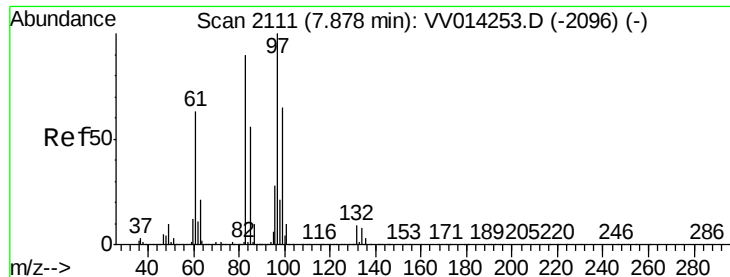
Tgt Ion: 75 Resp: 369903

Ion Ratio Lower Upper

75 100

77 31.5 22.0 41.0

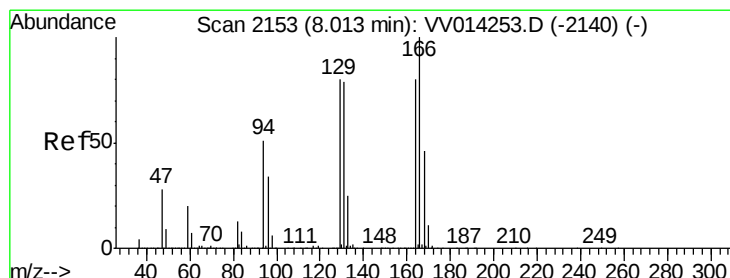
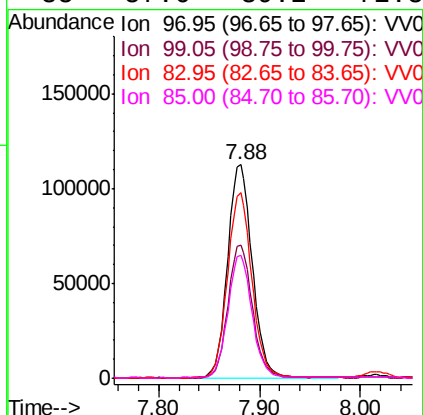
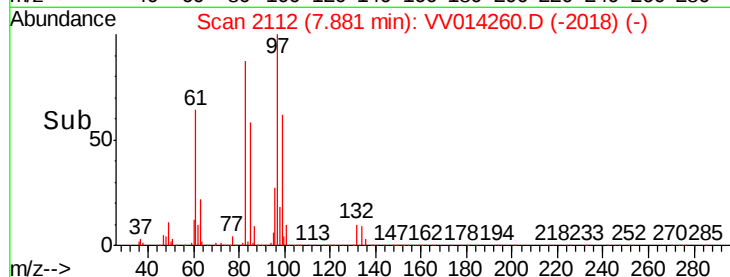
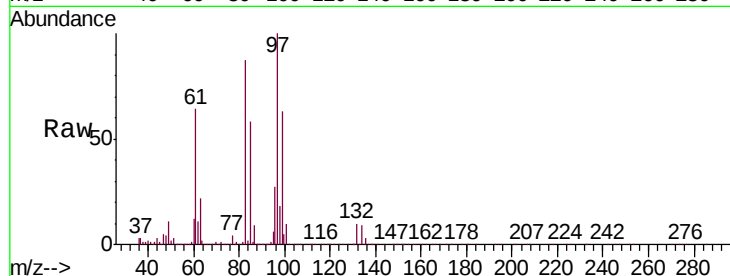




#45
 1,1,2-Trichloroethane
 Concen: 5.309 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV014260.D
 Acq: 03 Jan 2020 17:04

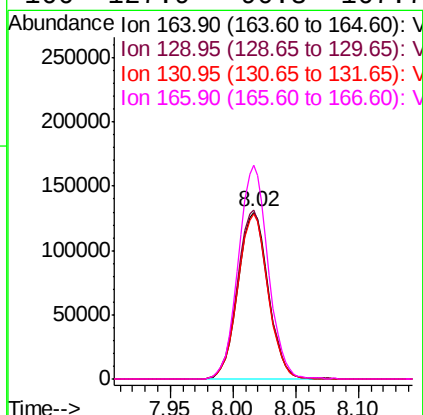
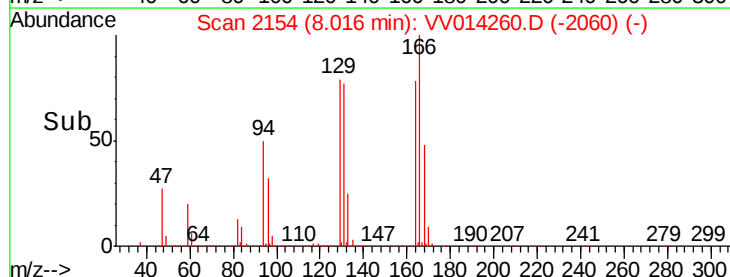
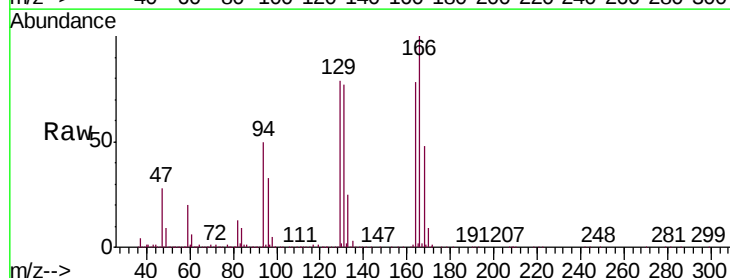
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00549

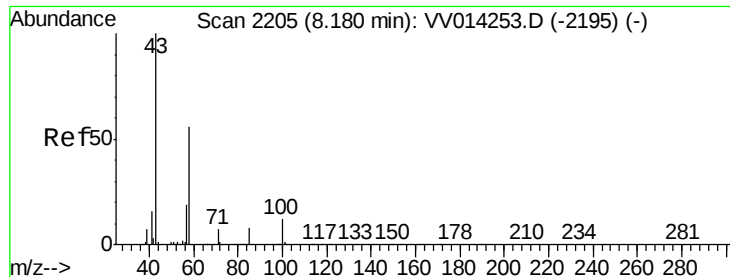
Tgt Ion:	97	Resp:	192971
Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.7	81.1
83	86.8	60.0	111.4
85	57.6	39.2	72.8



#47
 Tetrachloroethene
 Concen: 5.501 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV014260.D
 Acq: 03 Jan 2020 17:04

Tgt Ion:	164	Resp:	217683
Ion	Ratio	Lower	Upper
164	100		
129	101.0	71.7	133.3
131	98.8	70.4	130.8
166	127.9	90.3	167.7



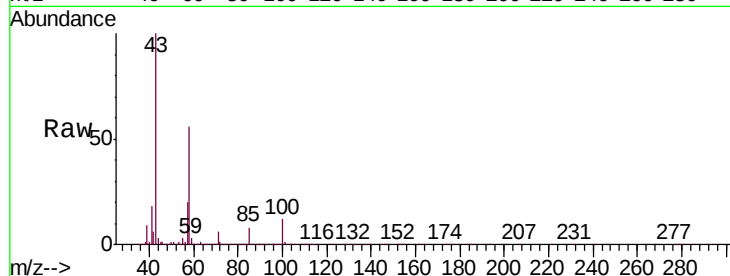


#48
2-Hexanone
Concen: 54.708 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV014260.D
Acq: 03 Jan 2020 17:04

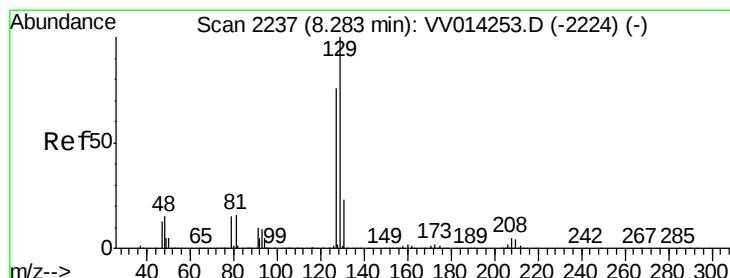
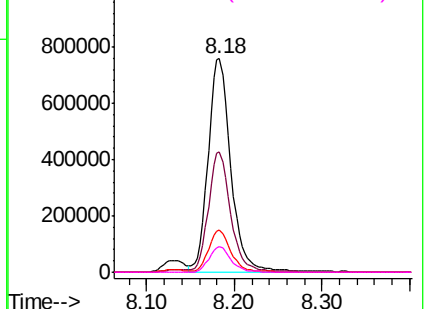
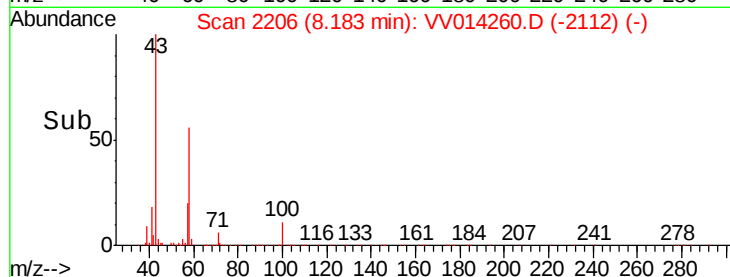
Instrument :
MSVOA_V
ClientSampleId :
VSTD00549

Tgt Ion: 43 Resp: 1357158

Ion	Ratio	Lower	Upper
43	100		
58	55.7	45.4	68.0
57	19.3	15.8	23.8
100	11.6	10.2	15.4



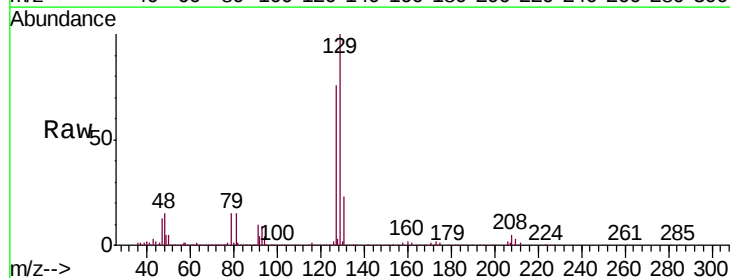
Abundance Ion 43.05 (42.75 to 43.75): VV014260.D (-2112) (-)



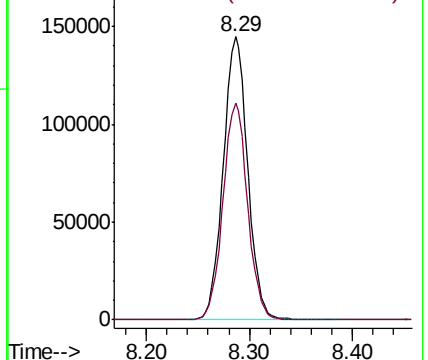
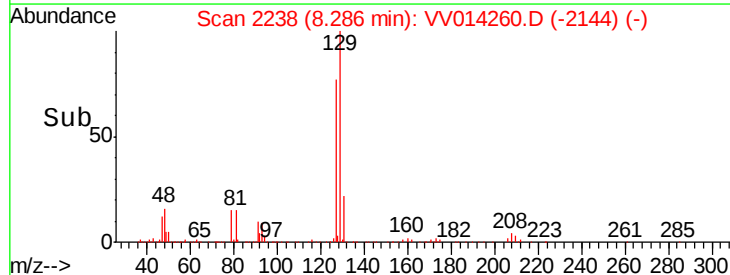
#49
Dibromochloromethane
Concen: 5.209 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014260.D
Acq: 03 Jan 2020 17:04

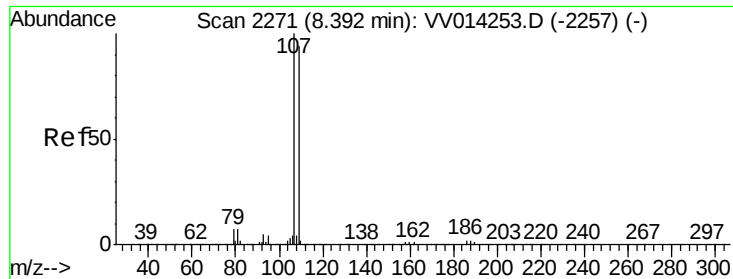
Tgt Ion: 129 Resp: 239337

Ion	Ratio	Lower	Upper
129	100		
127	76.4	55.7	103.5



Abundance Ion 128.95 (128.65 to 129.65): VV014260.D (-2144) (-)

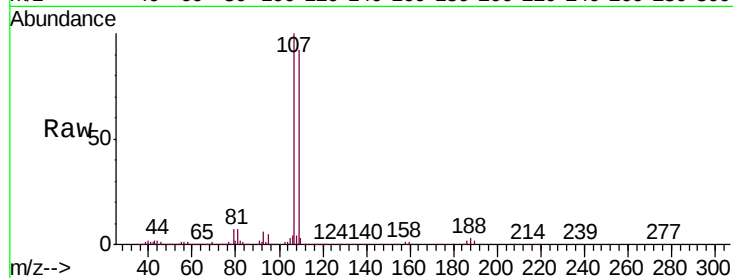




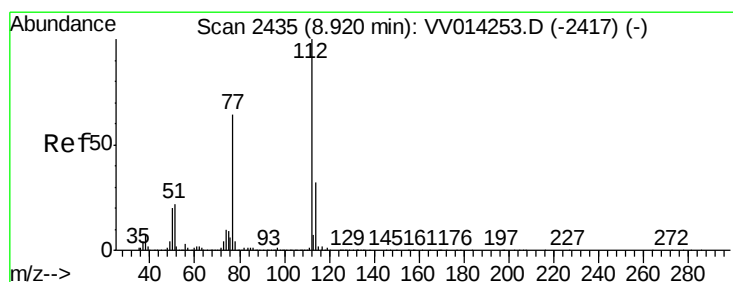
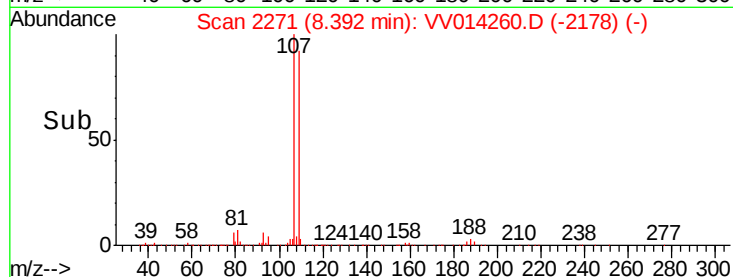
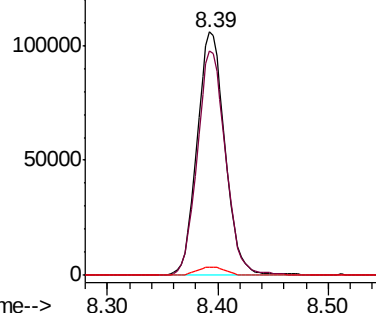
#50
1,2-Dibromoethane
Concen: 5.215 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV014260.D
Acq: 03 Jan 2020 17:04

Instrument :
MSVOA_V
ClientSampleId :
VSTD00549

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.3	63.0	117.0
188	3.2	3.0	4.4

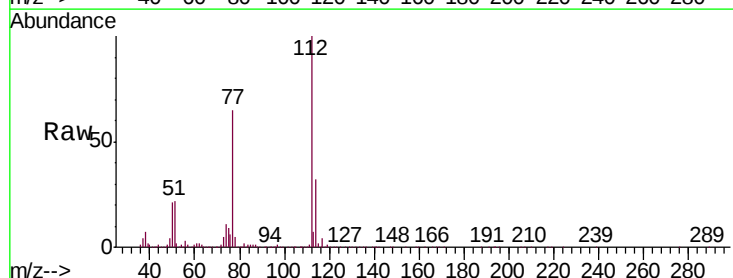


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

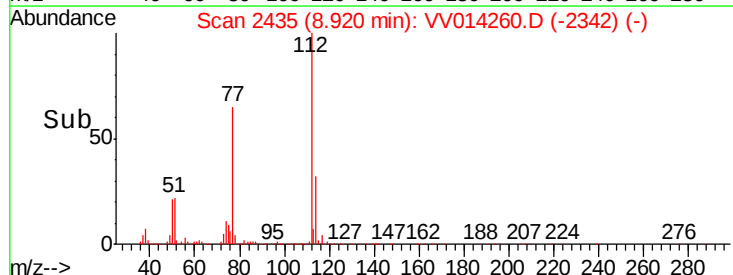
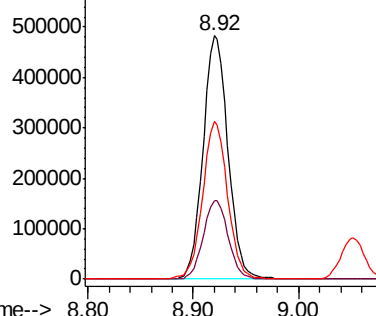


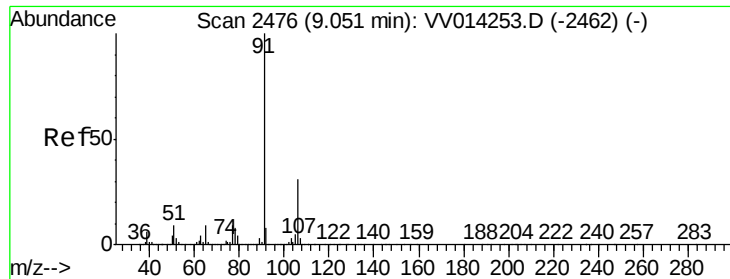
#51
Chlorobenzene
Concen: 5.378 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014260.D
Acq: 03 Jan 2020 17:04

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.5	41.7
77	64.8	49.3	73.9



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 5.547 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014260.D

Acq: 03 Jan 2020 17:04

Instrument :

MSVOA_V

ClientSampleId :

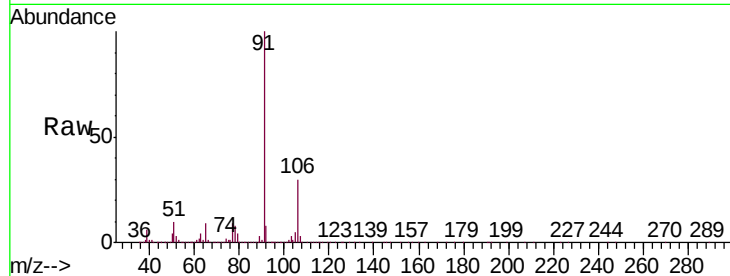
VSTD00549

Tgt Ion: 91 Resp: 1476637

Ion Ratio Lower Upper

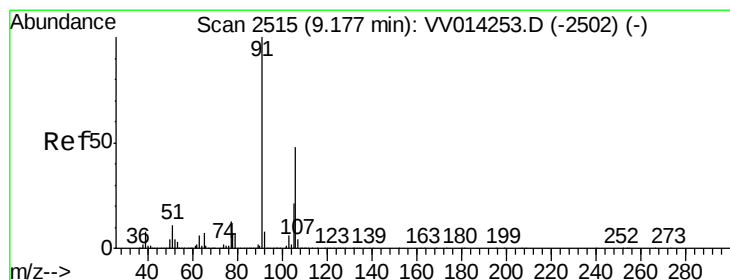
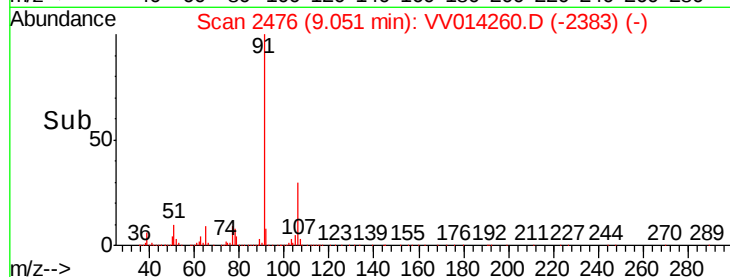
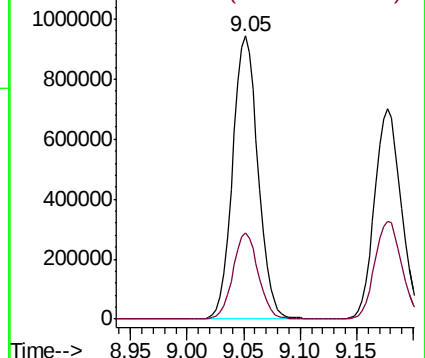
91 100

106 30.3 21.6 40.0



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): V



#53

m,p-xylene

Concen: 5.521 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014260.D

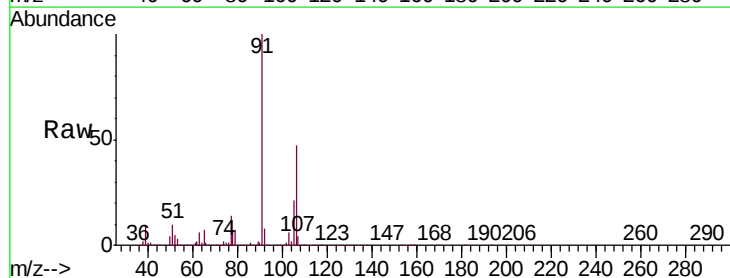
Acq: 03 Jan 2020 17:04

Tgt Ion: 106 Resp: 542165

Ion Ratio Lower Upper

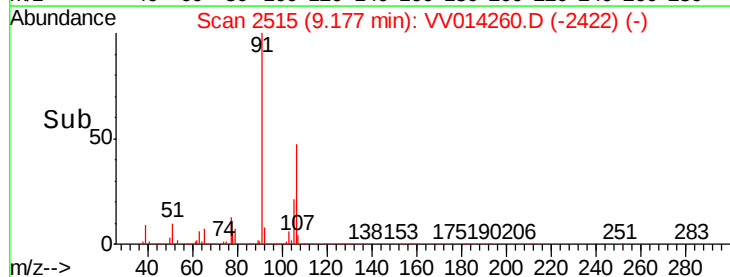
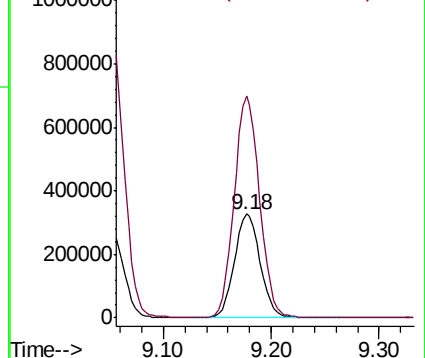
106 100

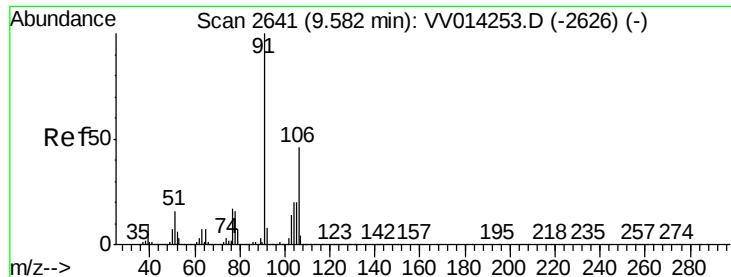
91 213.7 146.8 272.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#54

o-xylene

Concen: 5.451 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014260.D

Acq: 03 Jan 2020 17:04

Instrument :

MSVOA_V

ClientSampleId :

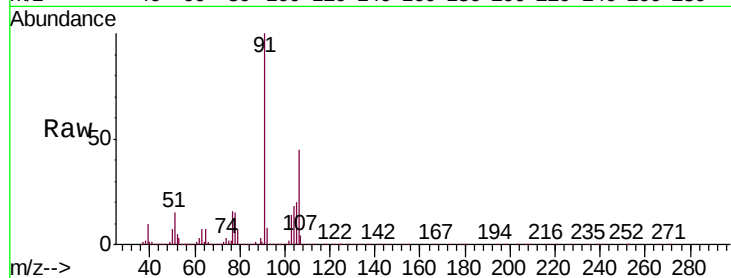
VSTD00549

Tgt Ion:106 Resp: 526427

Ion Ratio Lower Upper

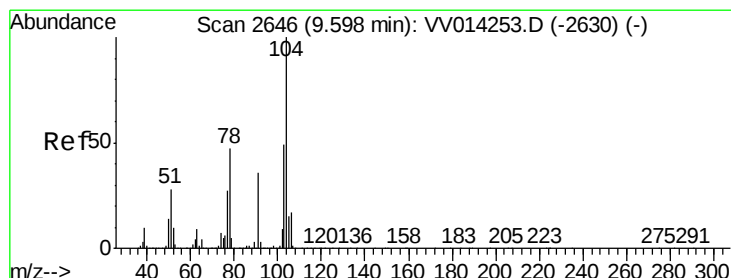
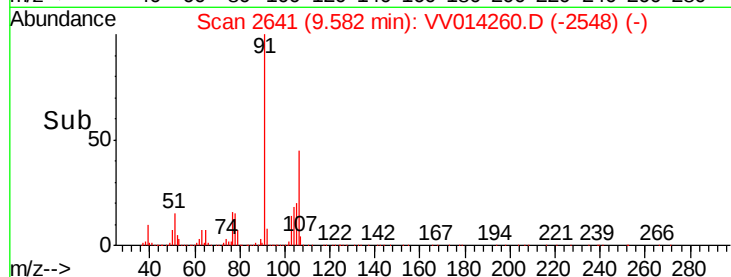
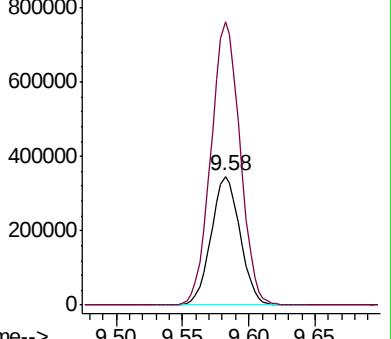
106 100

91 219.8 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.406 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV014260.D

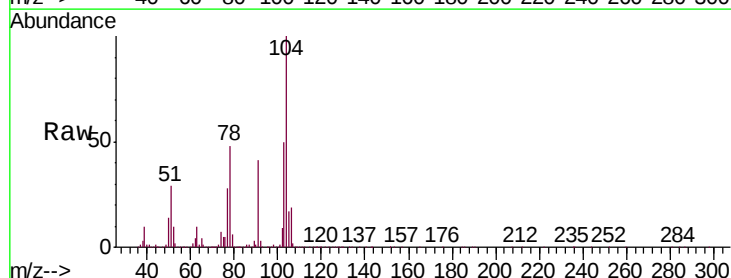
Acq: 03 Jan 2020 17:04

Tgt Ion:104 Resp: 884383

Ion Ratio Lower Upper

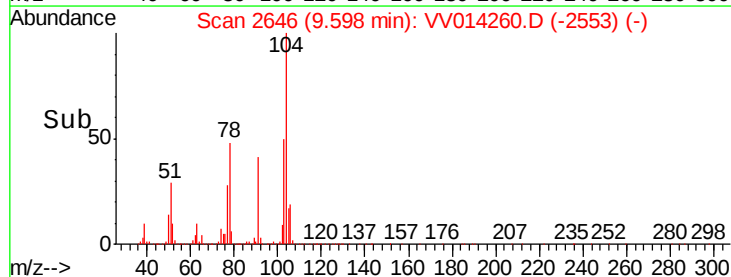
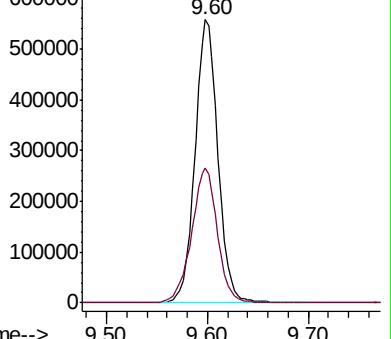
104 100

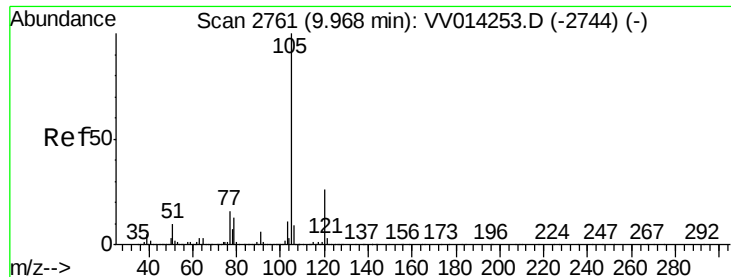
78 47.6 31.7 58.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.641 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014260.D

Acq: 03 Jan 2020 17:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD00549

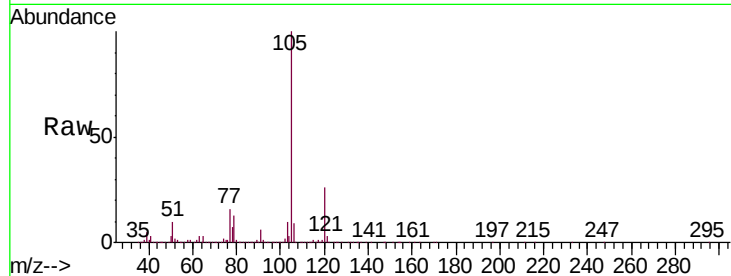
Tgt Ion:105 Resp: 1420914

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.4

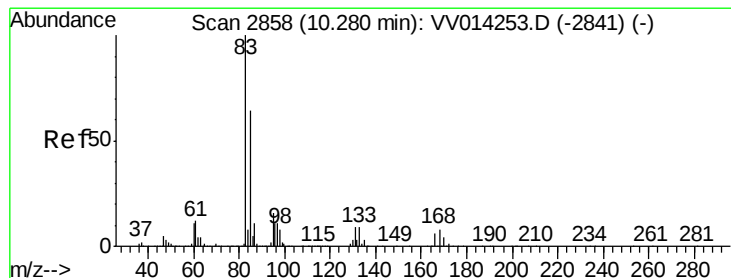
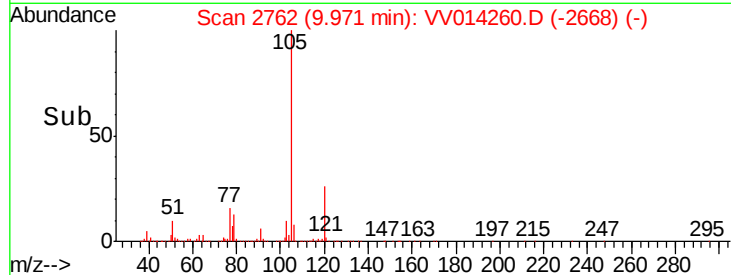
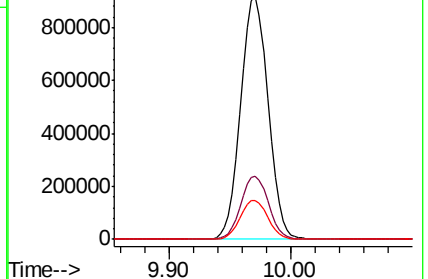
77 16.1 12.5 18.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.139 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV014260.D

Acq: 03 Jan 2020 17:04

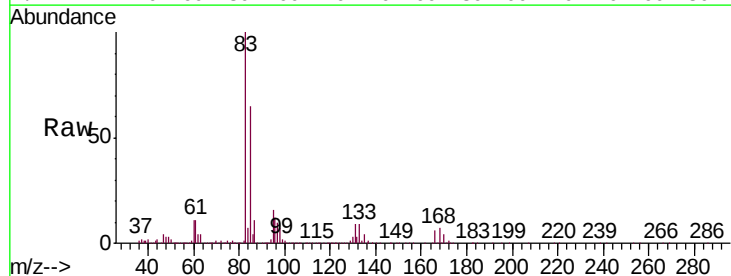
Tgt Ion: 83 Resp: 230316

Ion Ratio Lower Upper

83 100

85 64.9 45.9 85.3

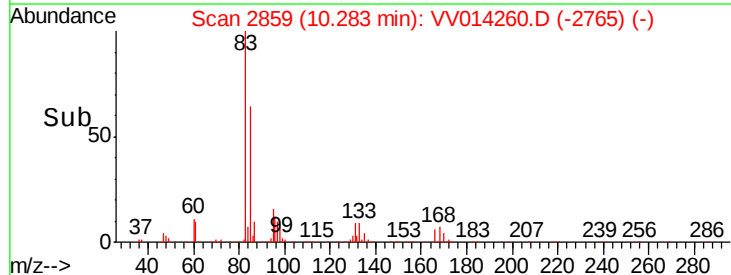
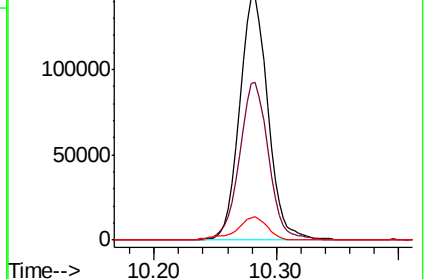
131 9.4 7.8 11.8

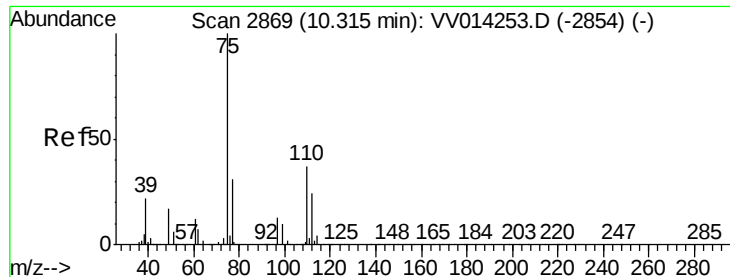


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.265 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV014260.D

Acq: 03 Jan 2020 17:04

Instrument :

MSVOA_V

ClientSampleId :

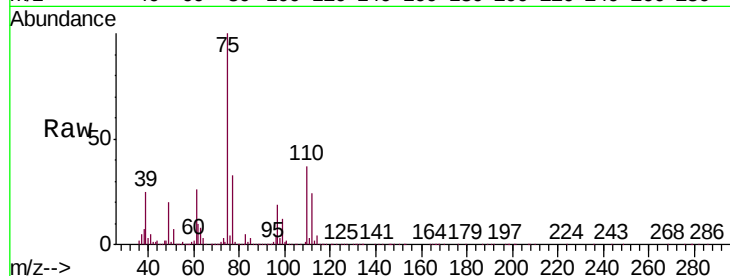
VSTD00549

Tgt Ion: 75 Resp: 178482

Ion Ratio Lower Upper

75 100

77 32.9 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

10.32

120000

100000

80000

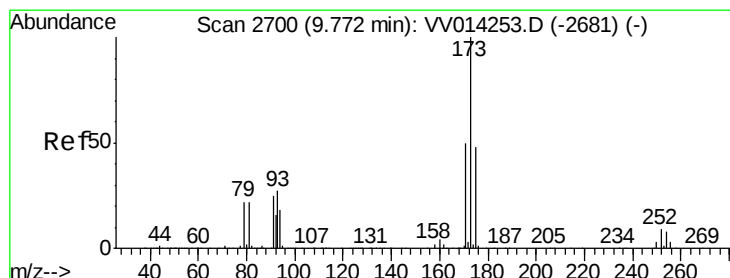
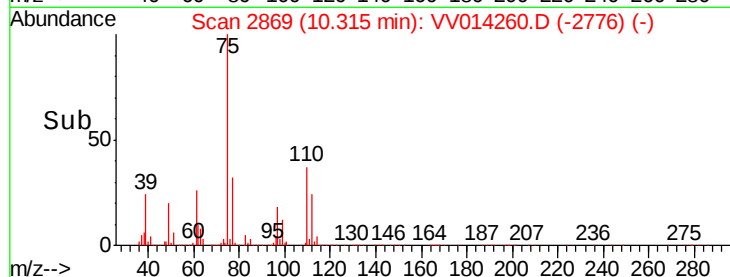
60000

40000

20000

0

Time-->



#61

Bromoform

Concen: 5.302 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV014260.D

Acq: 03 Jan 2020 17:04

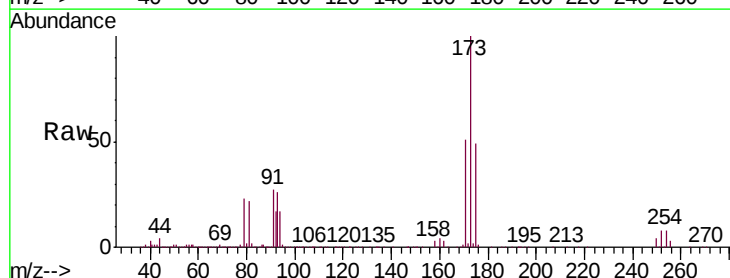
Tgt Ion: 173 Resp: 122062

Ion Ratio Lower Upper

173 100

175 47.9 37.9 56.9

254 8.8 7.6 11.4



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V

9.77

100000

80000

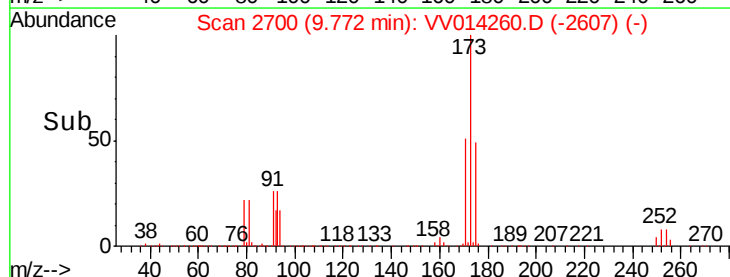
60000

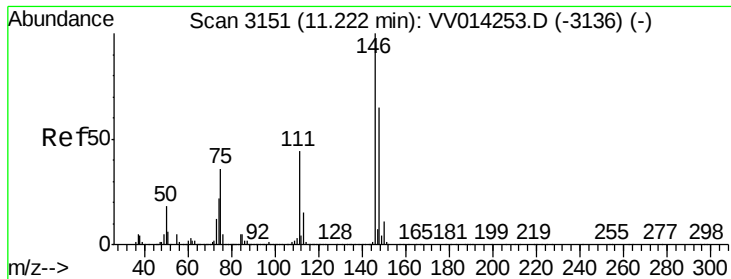
40000

20000

0

Time-->

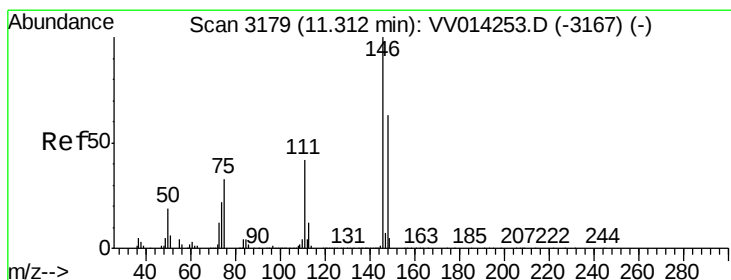
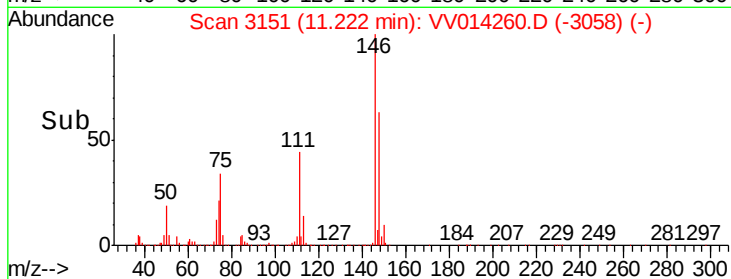
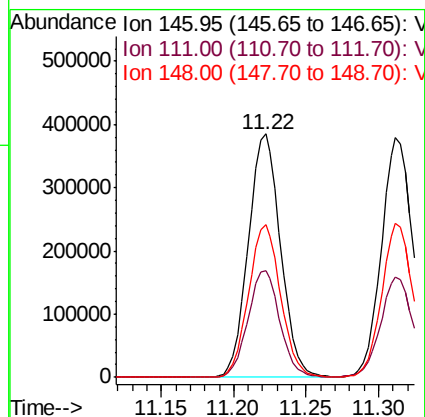
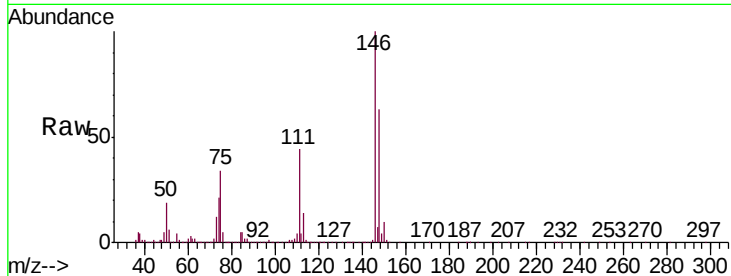




#62
 1,3-Dichlorobenzene
 Concen: 5.606 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV014260.D
 Acq: 03 Jan 2020 17:04

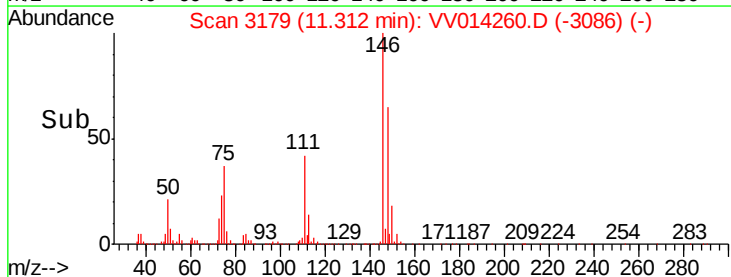
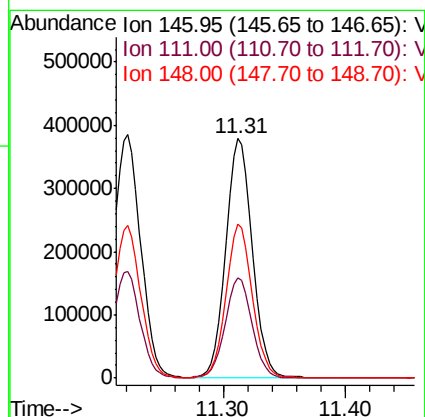
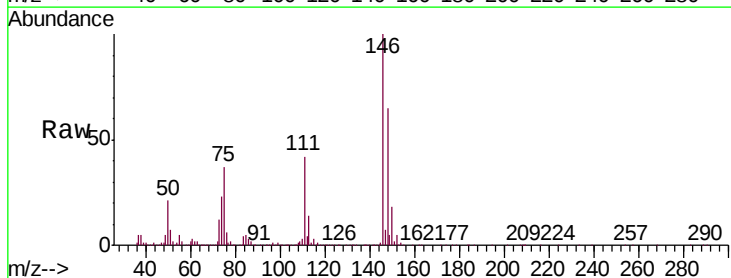
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00549

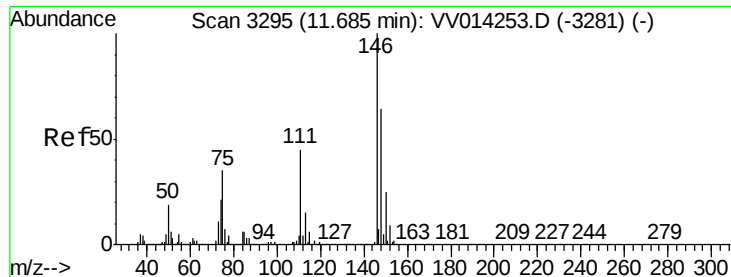
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.1	30.7	57.1
148	62.6	44.4	82.5



#63
 1,4-Dichlorobenzene
 Concen: 5.505 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV014260.D
 Acq: 03 Jan 2020 17:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	28.8	53.4
148	64.6	44.5	82.7

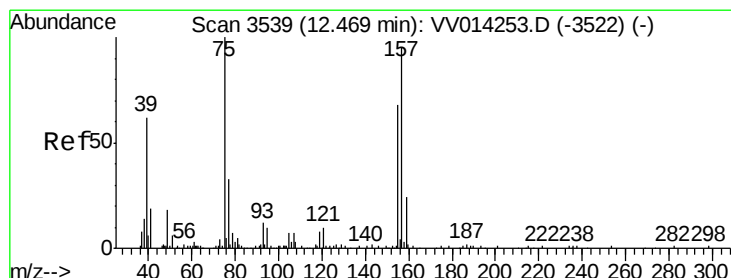
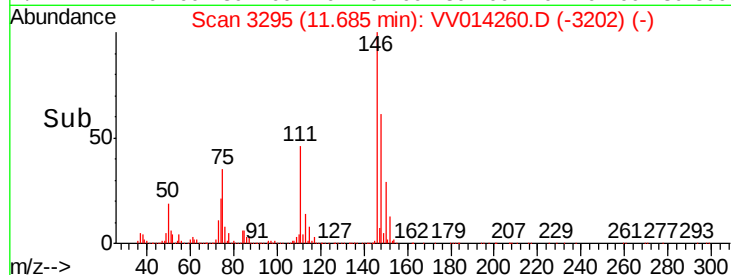
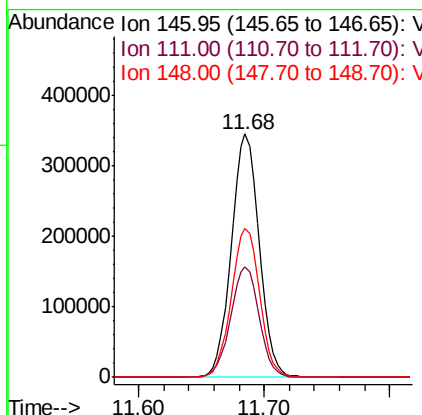
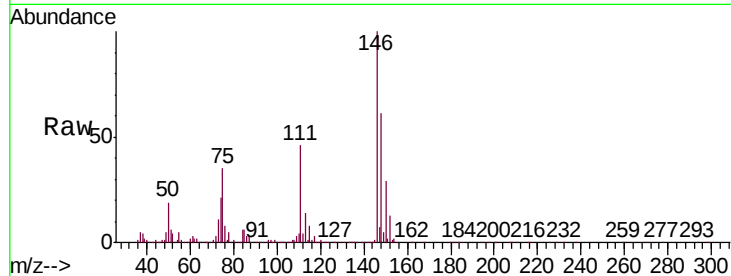




#65
1,2-Dichlorobenzene
Concen: 5.543 ug/L
RT: 11.68 min Scan# 3295
Delta R.T. 0.00 min
Lab File: VV014260.D
Acq: 03 Jan 2020 17:04

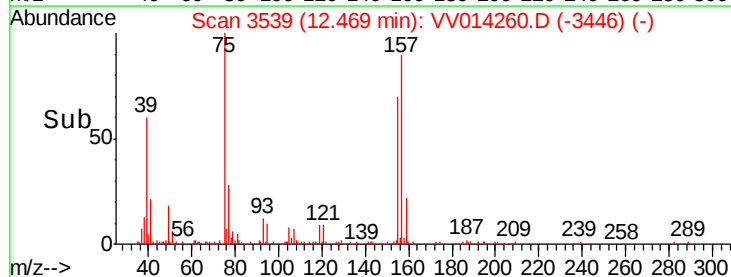
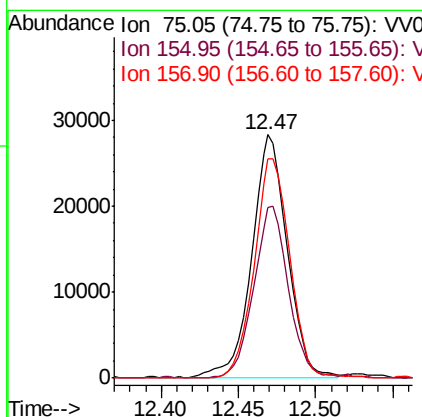
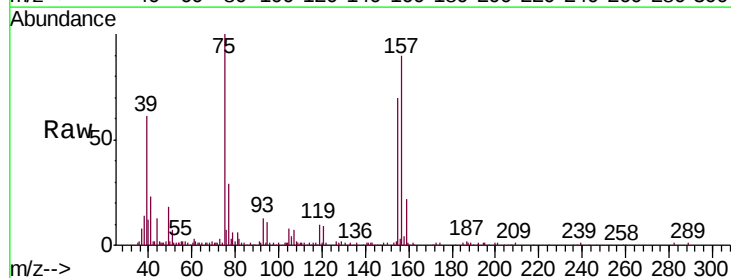
Instrument :
MSVOA_V
ClientSampleId :
VSTD00549

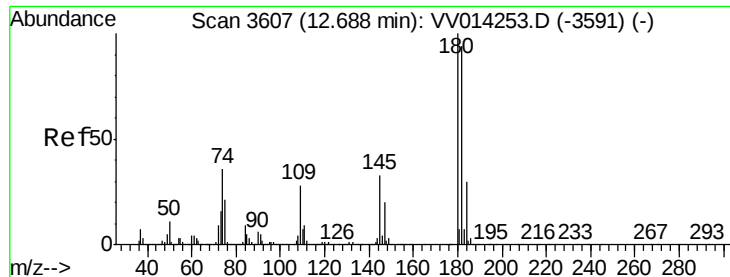
Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.6	36.4	54.6
148	61.3	51.3	76.9



#66
1,2-Dibromo-3-chloropropane
Concen: 5.147 ug/L
RT: 12.47 min Scan# 3539
Delta R.T. 0.00 min
Lab File: VV014260.D
Acq: 03 Jan 2020 17:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.2	56.9	85.3
157	90.1	82.0	123.0

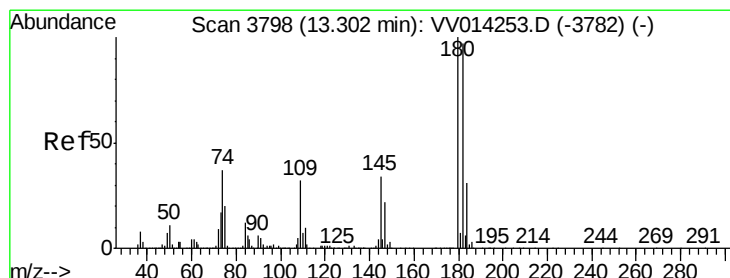
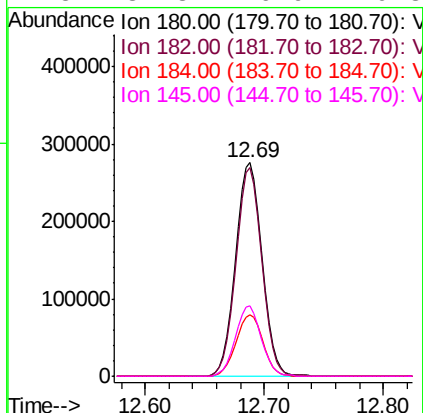
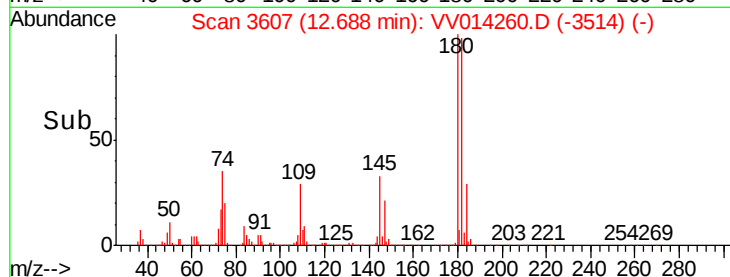
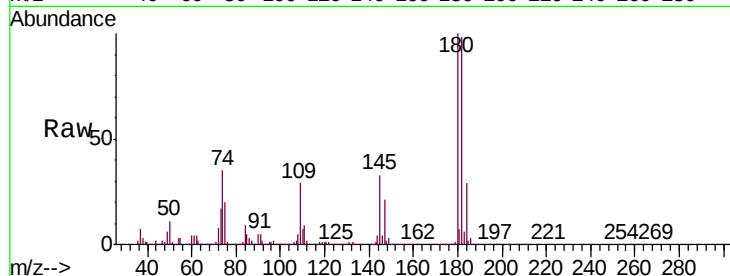




#67
 1,3,5-Trichlorobenzene
 Concen: 5.513 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014260.D
 Acq: 03 Jan 2020 17:04

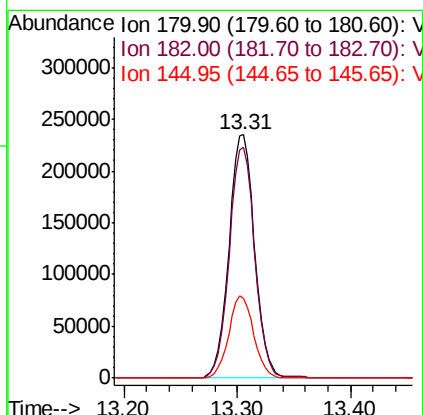
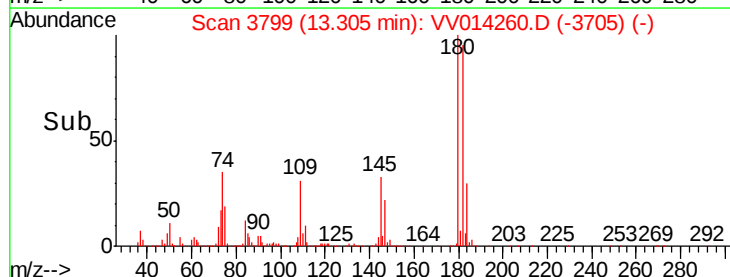
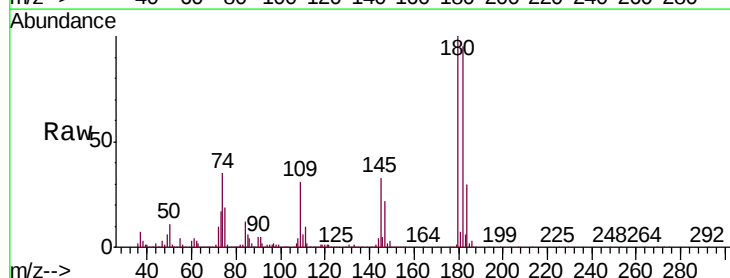
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00549

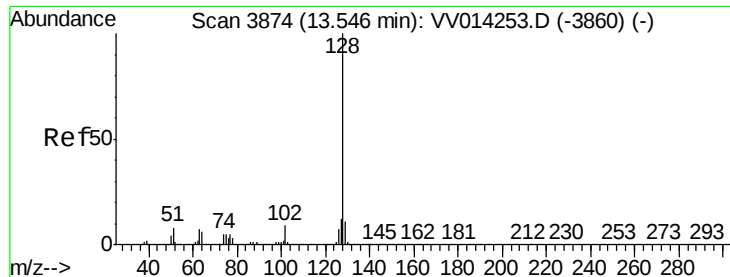
Tgt Ion:	180	Resp:	425714
Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.2	115.8
184	29.3	24.6	36.8
145	32.3	26.9	40.3



#68
 1,2,4-trichlorobenzene
 Concen: 5.466 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV014260.D
 Acq: 03 Jan 2020 17:04

Tgt Ion:	180	Resp:	370235
Ion	Ratio	Lower	Upper
180	100		
182	93.9	75.2	112.8
145	32.9	26.2	39.4





#69

Naphthalene

Concen: 5.182 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV014260.D

Acq: 03 Jan 2020 17:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD00549

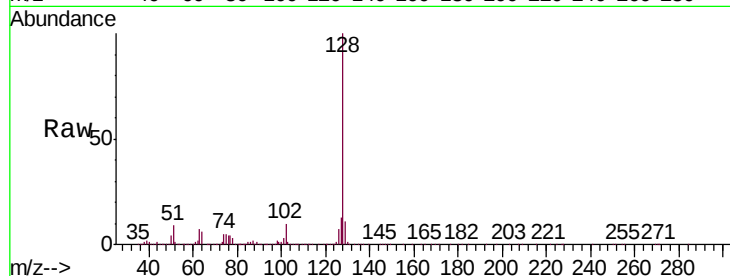
Tgt Ion:128 Resp: 713131

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

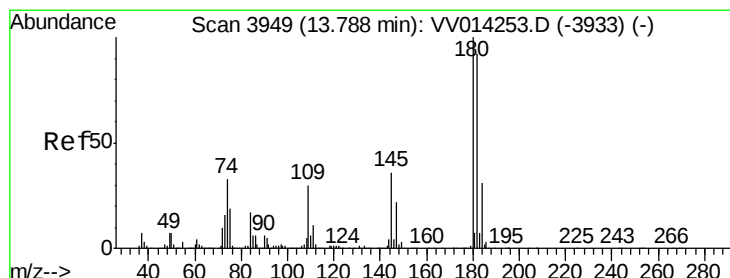
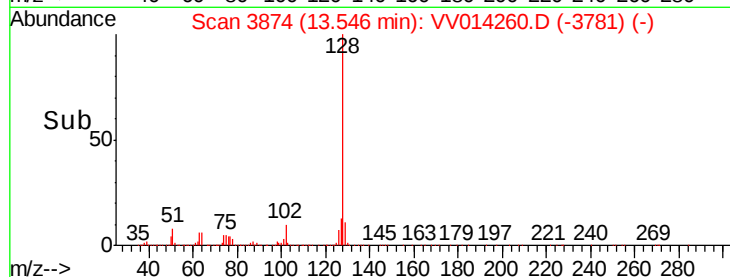
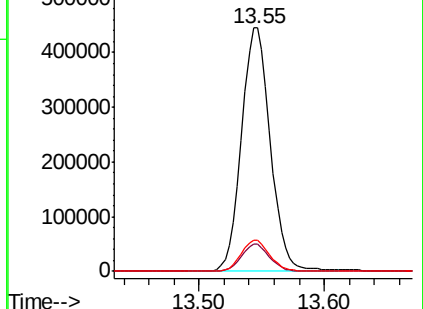
127 12.7 10.2 15.2



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: 5.400 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014260.D

Acq: 03 Jan 2020 17:04

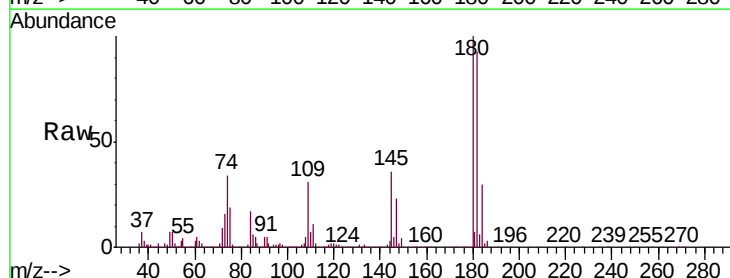
Tgt Ion:180 Resp: 321848

Ion Ratio Lower Upper

180 100

182 93.2 74.8 112.2

145 35.7 29.0 43.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

