

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050520\
 Data File : VV015897.D
 Acq On : 05 May 2020 12:34
 Operator : SY/MD
 Sample : VSTD02034
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

Quant Time: May 05 17:46:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050520WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue May 05 17:39:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	154675	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	151306	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	78669	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	205086	24.50	ug/L	0.00
7) Chloroethane-d5	1.58	69	181659	23.02	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	405599	22.52	ug/L	0.00
20) 2-Butanone-d5	3.94	46	583857	227.34	ug/L	-0.01
24) Chloroform-d	4.37	84	426429	22.72	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	234685	22.03	ug/L	0.00
32) Benzene-d6	5.07	84	831699	22.90	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	253045	22.06	ug/L	0.00
41) Toluene-d8	7.34	98	798227	23.17	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	110350	24.40	ug/L	0.00
46) 2-Hexanone-d5	8.11	63	501017	234.88	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	186668	21.95	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	285423	21.41	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	257902	19.739	ug/L 99
3) Chloromethane	1.24	50	249956	21.561	ug/L 100
5) Vinyl chloride	1.32	62	247681	20.360	ug/L 99
6) Bromomethane	1.53	94	139645	25.281	ug/L 100
8) Chloroethane	1.59	64	148521	19.184	ug/L 96
9) Trichlorofluoromethane	1.76	101	329685	19.398	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	187096	19.591	ug/L 99
12) 1,1-Dichloroethene	2.13	96	175734	19.812	ug/L 97
13) Acetone	2.24	43	347384	197.879	ug/L 70
14) Carbon disulfide	2.30	76	624352	23.893	ug/L 100
15) Methyl Acetate	2.46	43	87015	21.001	ug/L 95
16) Methylene chloride	2.52	84	204796	18.485	ug/L 98
17) Methyl tert-butyl Ether	2.79	73	487974	19.684	ug/L 100
18) trans-1,2-Dichloroethene	2.78	96	206439	20.596	ug/L 98
19) 1,1-Dichloroethane	3.21	63	388632	19.912	ug/L 99
21) 2-Butanone	4.02	43	589166	216.681	ug/L 98
22) cis-1,2-Dichloroethene	3.94	96	216649	19.833	ug/L 100
23) Bromochloromethane	4.27	128	90220	20.052	ug/L 98
25) Chloroform	4.40	83	409935	19.606	ug/L 98
27) 1,2-Dichloroethane	5.16	62	265923	19.594	ug/L 100
29) 1,1,1-Trichloroethane	4.63	97	364519	19.457	ug/L 99
30) Cyclohexane	4.70	56	380765	21.017	ug/L 98
31) Carbon tetrachloride	4.85	117	315955	20.244	ug/L 98
33) Benzene	5.12	78	839505	19.777	ug/L 100
34) Trichloroethene	5.94	95	226271	19.287	ug/L 96
35) Methylcyclohexane	6.15	83	381169	21.032	ug/L 99
37) 1,2-Dichloropropane	6.20	63	210868	19.539	ug/L 100
38) Bromodichloromethane	6.53	83	273630	20.014	ug/L 99
39) cis-1,3-Dichloropropene	7.05	75	327771	21.710	ug/L 98
40) 4-Methyl-2-pentanone	7.25	43	1409422	201.347	ug/L 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050520\
 Data File : VV015897.D
 Acq On : 05 May 2020 12:34
 Operator : SY/MD
 Sample : VSTD02034
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

Quant Time: May 05 17:46:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050520WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue May 05 17:39:09 2020
 Response via : Initial Calibration

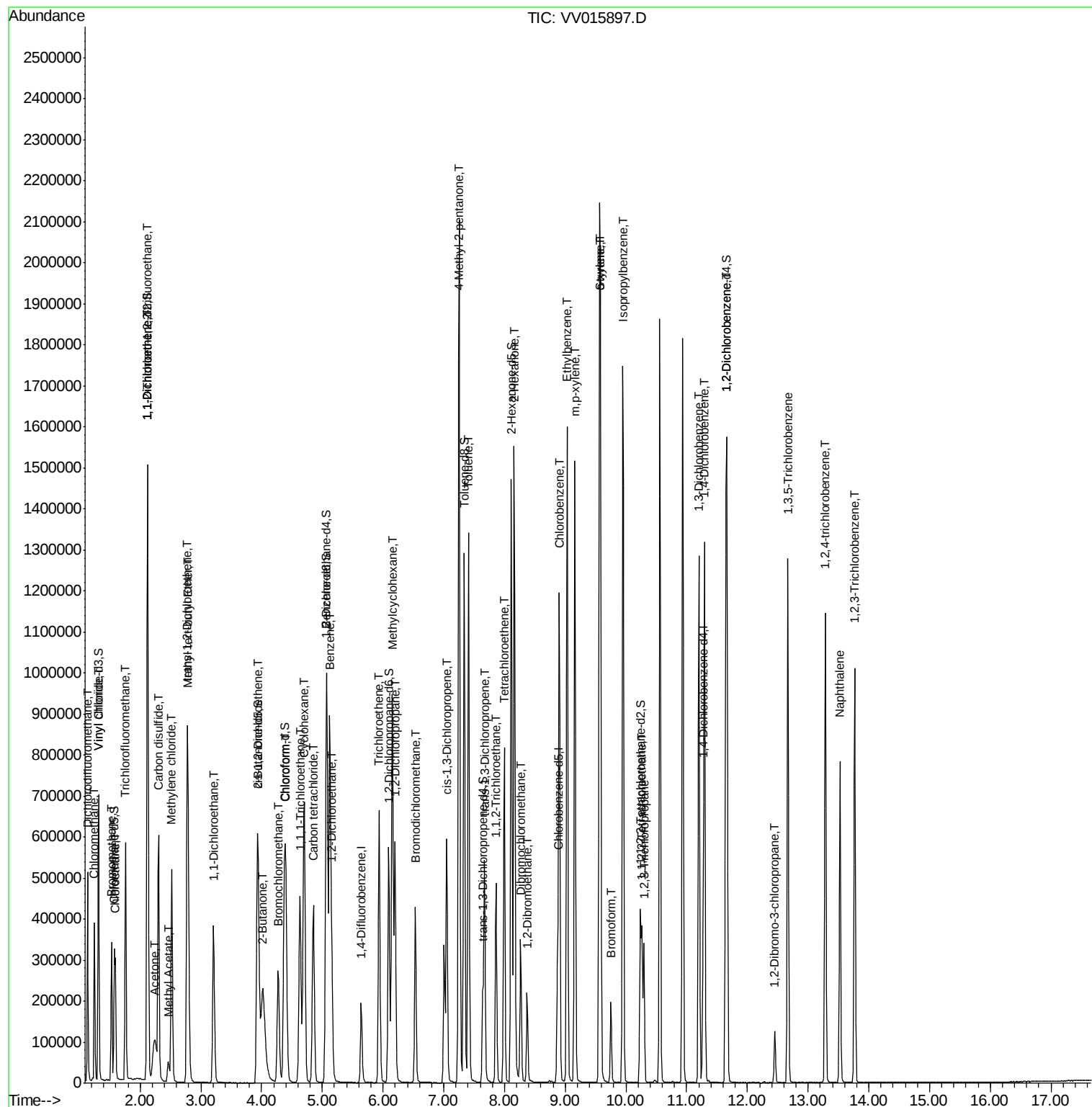
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	912874	20.129	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	278007	22.004	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	139225	19.057	ug/L	98
47) Tetrachloroethene	8.00	164	166374	19.703	ug/L	98
48) 2-Hexanone	8.16	43	1021933	205.680	ug/L	100
49) Dibromochloromethane	8.27	129	166734	21.720	ug/L	96
50) 1,2-Dibromoethane	8.37	107	135591	20.053	ug/L	96
51) Chlorobenzene	8.90	112	568263	19.134	ug/L	98
52) Ethylbenzene	9.03	91	1053708	20.111	ug/L	99
53) m,p-xylene	9.16	106	400672	20.822	ug/L	97
54) o-xylene	9.56	106	380954	20.553	ug/L	97
55) Styrene	9.58	104	656742	20.933	ug/L	99
56) Isopropylbenzene	9.95	105	1051632	20.250	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	168870	19.769	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	129359	18.938	ug/L	98
61) Bromoform	9.75	173	80326	24.243	ug/L	97
62) 1,3-Dichlorobenzene	11.20	146	466456	19.135	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	467794	19.043	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	421137	19.130	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	29996	20.926	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	354628	19.604	ug/L	100
68) 1,2,4-trichlorobenzene	13.29	180	310417	18.971	ug/L	99
69) Naphthalene	13.53	128	564609	19.226	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	272338	18.745	ug/L	99

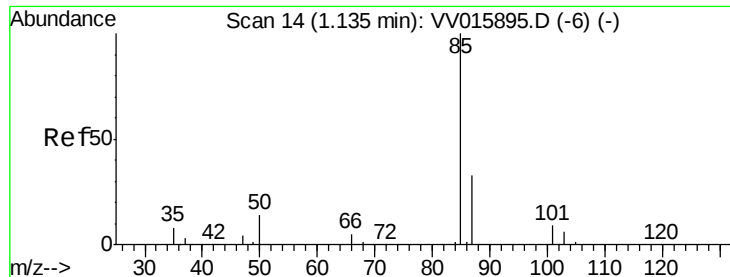
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050520\
Data File : VV015897.D
Acq On : 05 May 2020 12:34
Operator : SY/MD
Sample : VSTD02034
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02034

Quant Time: May 05 17:46:43 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050520WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue May 05 17:39:09 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 19.739 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV015897.D

Acq: 05 May 2020 12:34

Instrument :

MSVOA_V

ClientSampleId :

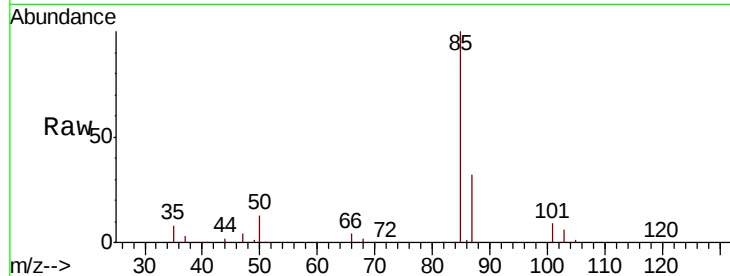
VSTD02034

Tot Ion: 85 Resp: 257902

Ion Ratio Lower Upper

85 100

87 32.4 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

250000

200000

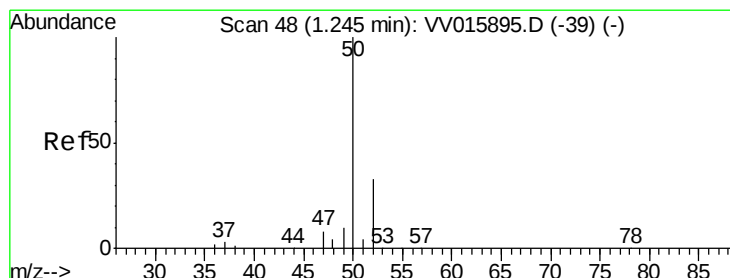
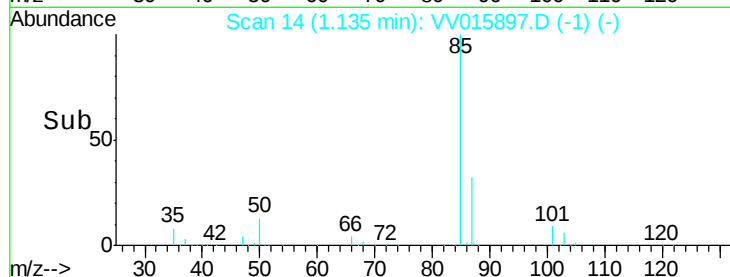
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 21.561 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV015897.D

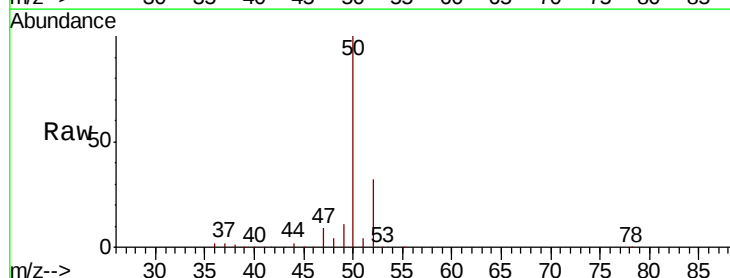
Acq: 05 May 2020 12:34

Tgt Ion: 50 Resp: 249956

Ion Ratio Lower Upper

50 100

52 32.3 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

1.24

250000

200000

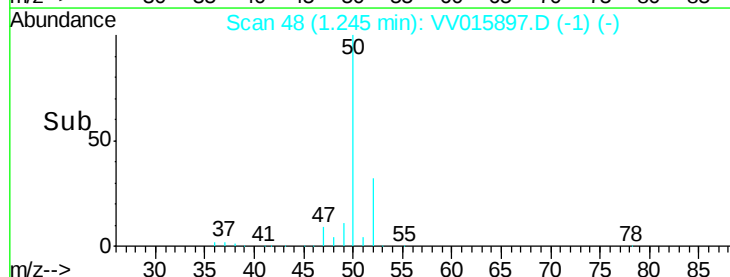
150000

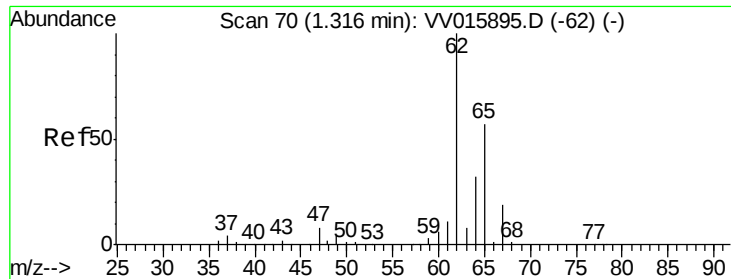
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 20.360 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015897.D

Acq: 05 May 2020 12:34

Instrument :

MSVOA_V

ClientSampleId :

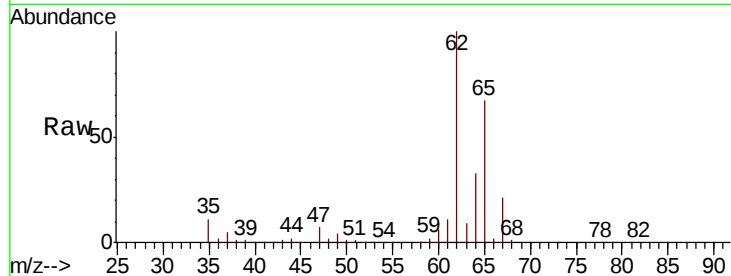
VSTD02034

Tot Ion: 62 Resp: 247681

Ion Ratio Lower Upper

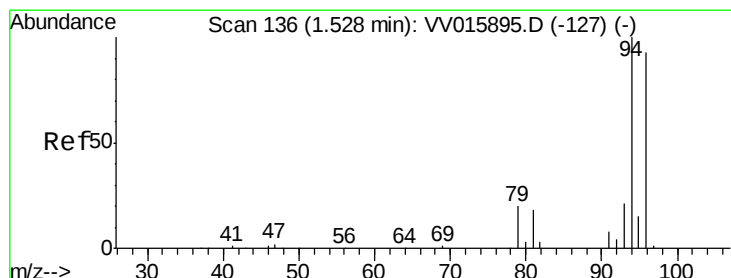
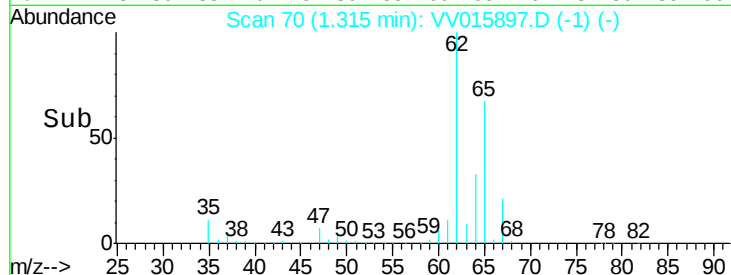
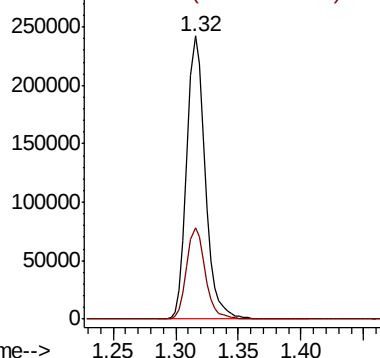
62 100

64 32.5 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 25.281 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV015897.D

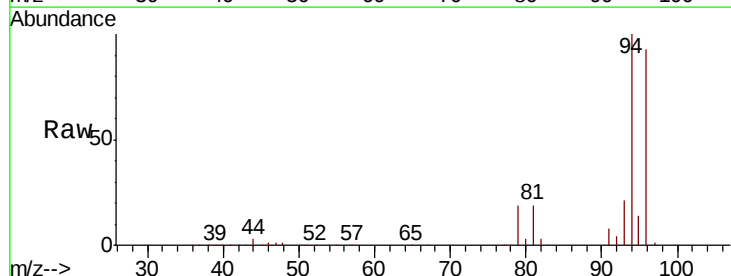
Acq: 05 May 2020 12:34

Tgt Ion: 94 Resp: 139645

Ion Ratio Lower Upper

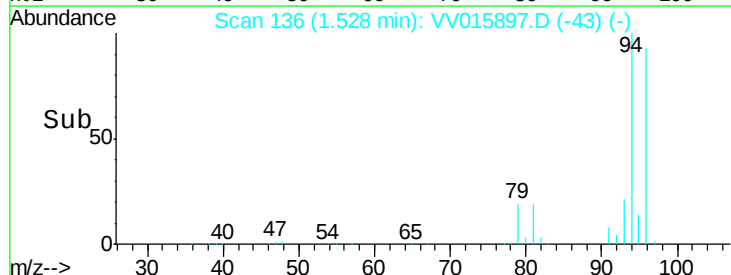
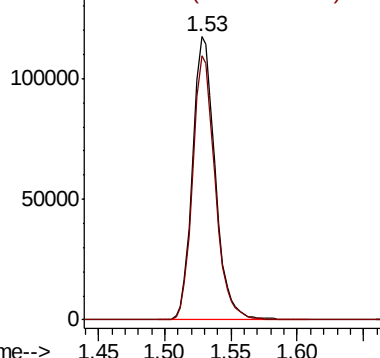
94 100

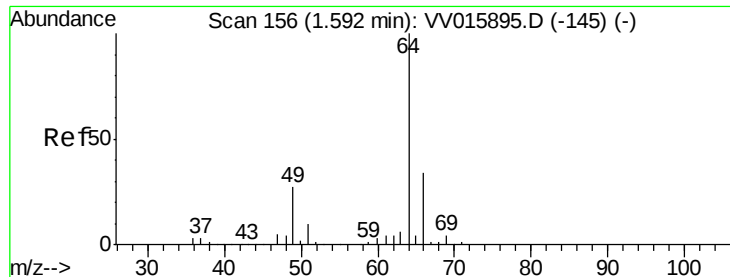
96 93.4 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

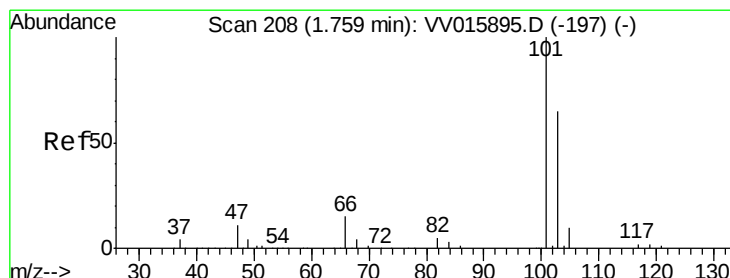
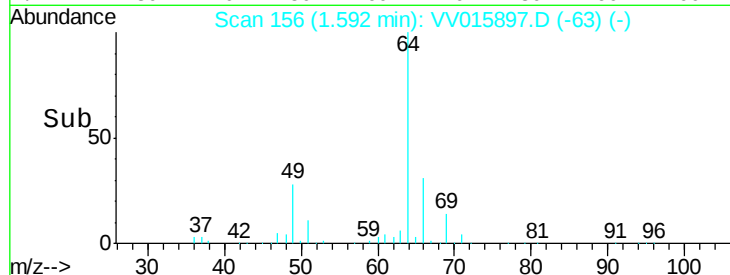
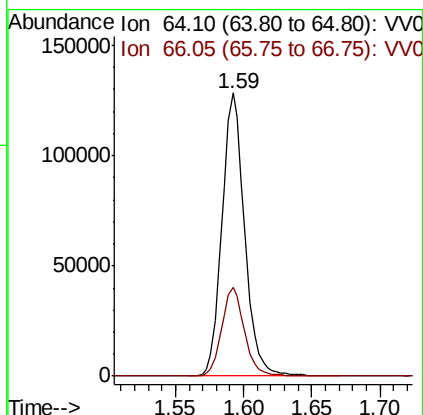
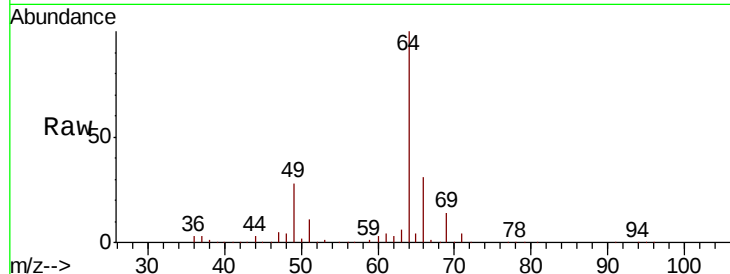




#8
Chloroethane
Concen: 19.184 ug/L
RT: 1.59 min Scan# 156
Delta R.T. -0.00 min
Lab File: VV015897.D
Acq: 05 May 2020 12:34

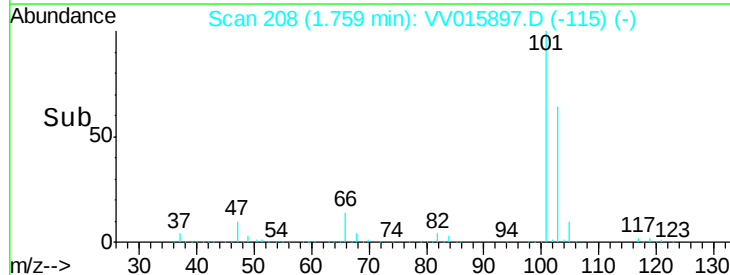
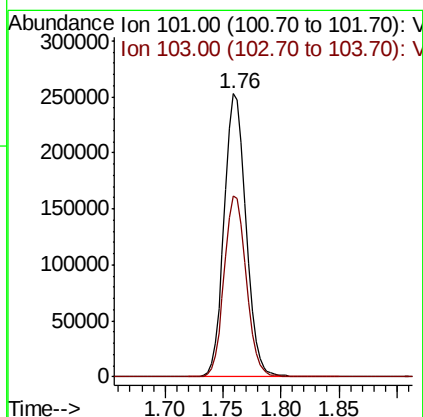
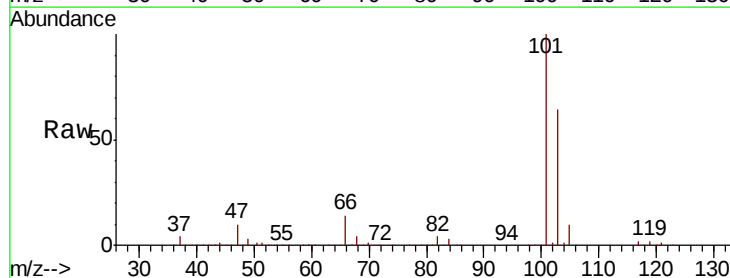
Instrument :
MSVOA_V
ClientSampled :
VSTD02034

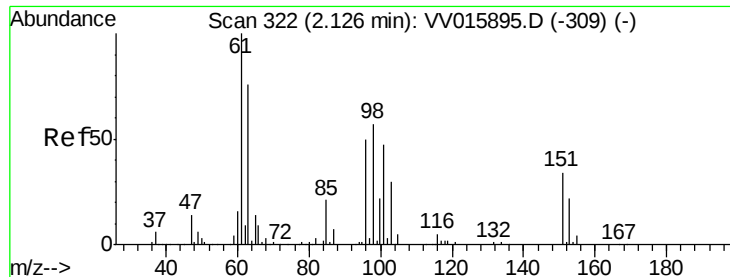
Tot Ion: 64 Resp: 148521
Ion Ratio Lower Upper
64 100
66 31.3 23.6 43.8



#9
Trichlorofluoromethane
Concen: 19.398 ug/L
RT: 1.76 min Scan# 208
Delta R.T. -0.00 min
Lab File: VV015897.D
Acq: 05 May 2020 12:34

Tgt Ion:101 Resp: 329685
Ion Ratio Lower Upper
101 100
103 64.6 51.4 77.2





#10

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

Concen: 19.591 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015897.D

Acq: 05 May 2020 12:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD02034

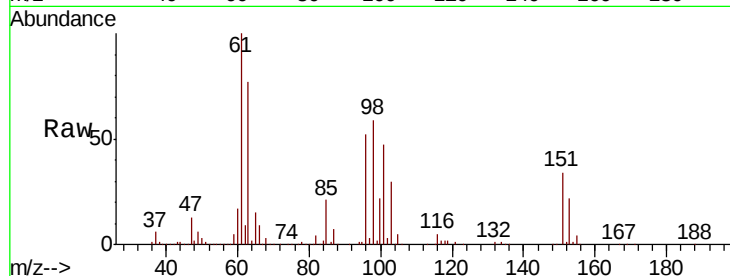
Tot Ion:101 Resp: 187096

Ion Ratio Lower Upper

101 100

85 44.5 35.7 53.5

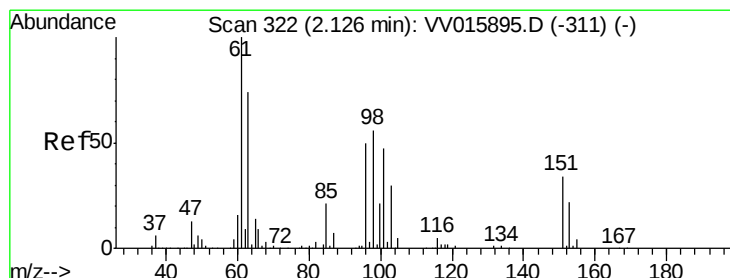
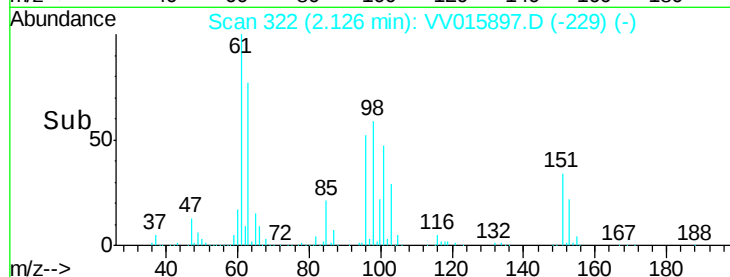
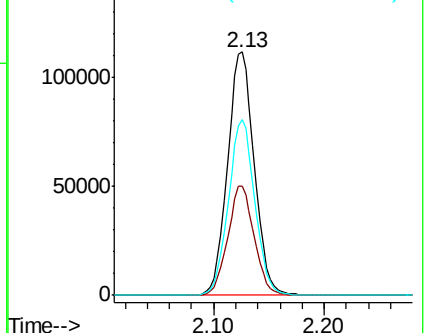
151 71.5 58.0 87.0



Abundance Ion 101.00 (100.70 to 101.70): VV015897.D (-229) (-)

Ion 85.00 (84.70 to 85.70): VV015897.D (-229) (-)

Ion 151.00 (150.70 to 151.70): VV015897.D (-229) (-)



#12

1,1-Dichloroethene

Concen: 19.812 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015897.D

Acq: 05 May 2020 12:34

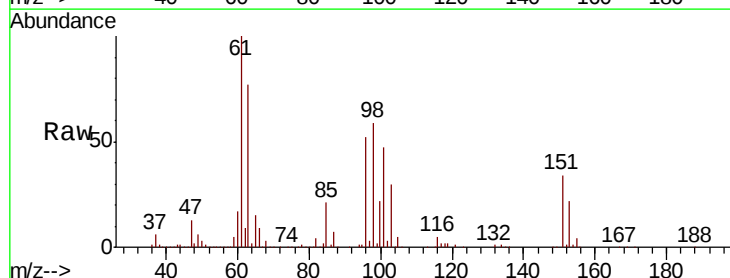
Tgt Ion: 96 Resp: 175734

Ion Ratio Lower Upper

96 100

61 193.7 139.9 259.7

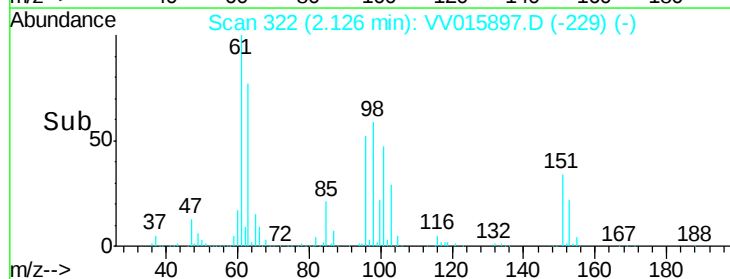
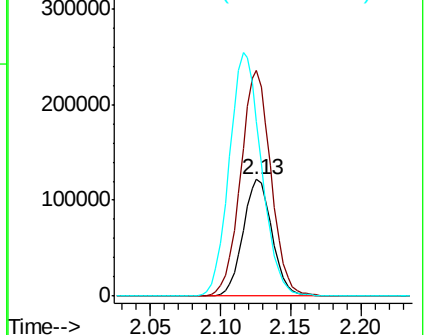
63 149.2 106.4 197.6

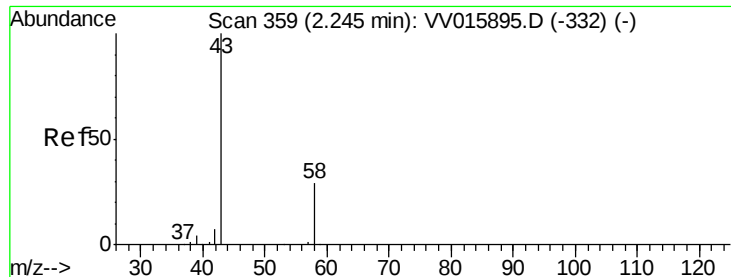


Abundance Ion 96.00 (95.70 to 96.70): VV015897.D (-229) (-)

Ion 61.05 (60.75 to 61.75): VV015897.D (-229) (-)

Ion 63.00 (62.70 to 63.70): VV015897.D (-229) (-)





#13

Acetone

Concen: 197.879 ug/L

RT: 2.24 min Scan# 358

Delta R.T. -0.00 min

Lab File: VV015897.D

Acq: 05 May 2020 12:34

Instrument :

MSVOA_V

ClientSampleId :

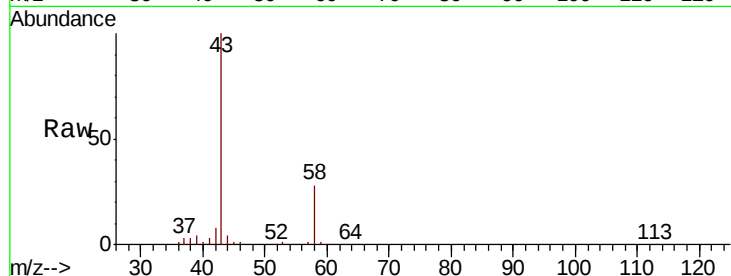
VSTD02034

Tot Ion: 43 Resp: 347384

Ion Ratio Lower Upper

43 100

58 27.8 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VV015895.D (-332) (-)

Ion 58.05 (57.75 to 58.75): VV015895.D (-332) (-)

2.24

60000

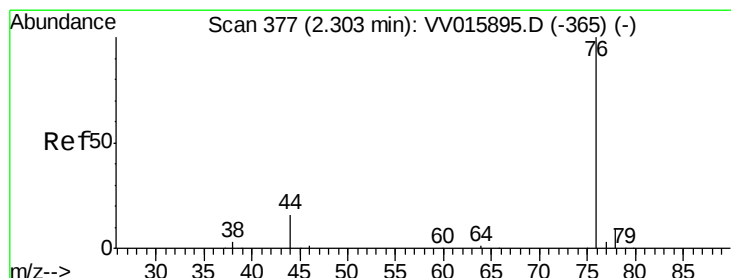
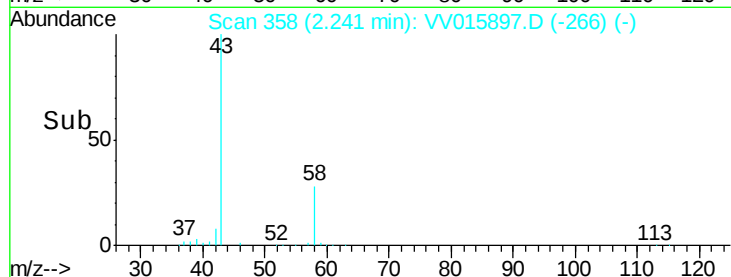
40000

20000

0

2.10 2.20 2.30 2.40 2.50

Time-->



#14

Carbon disulfide

Concen: 23.893 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VV015897.D

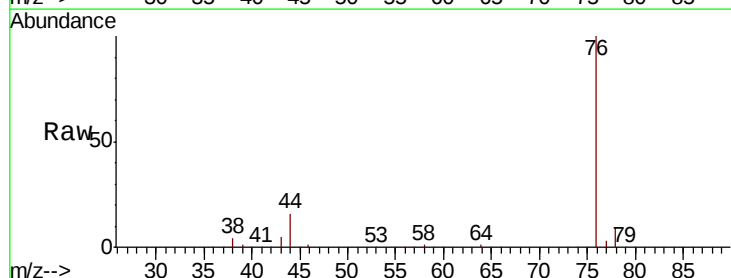
Acq: 05 May 2020 12:34

Tgt Ion: 76 Resp: 624352

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VV015895.D (-365) (-)

Ion 78.00 (77.70 to 78.70): VV015895.D (-365) (-)

2.30

500000

400000

300000

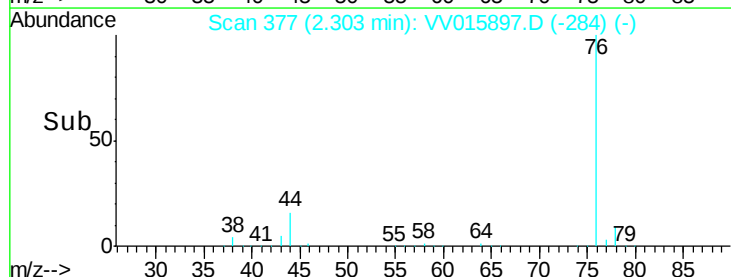
200000

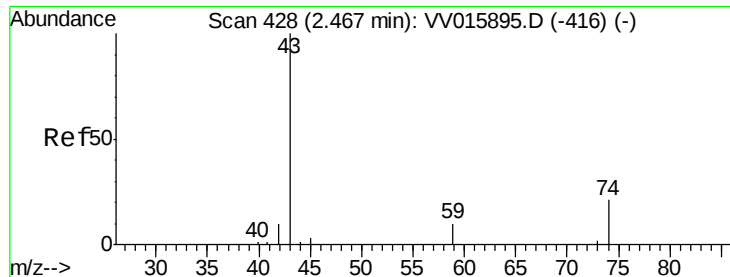
100000

0

2.20 2.30 2.40

Time-->





#15

Methvl Acetate

Concen: 21.001 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VV015897.D

Acq: 05 May 2020 12:34

Instrument :

MSVOA_V

ClientSampleId :

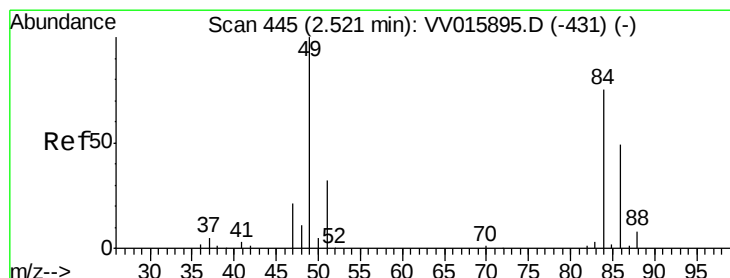
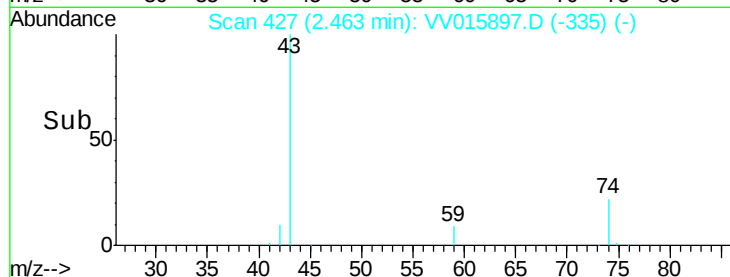
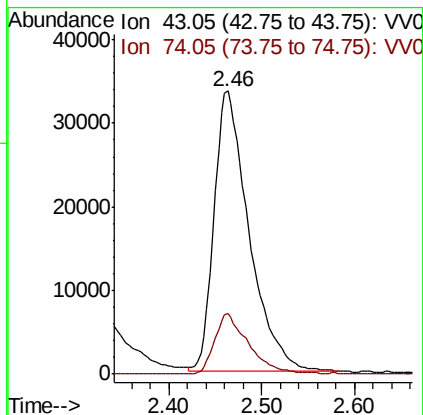
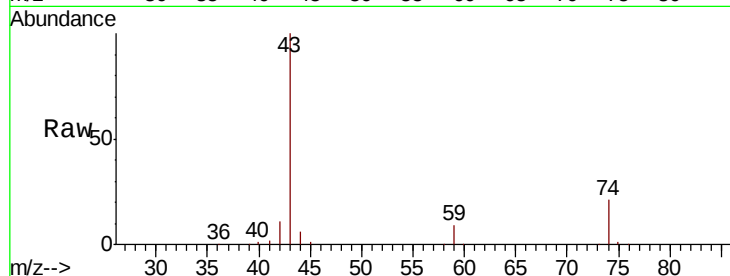
VSTD02034

Tot Ion: 43 Resp: 87015

Ion Ratio Lower Upper

43 100

74 21.3 19.2 28.8



#16

Methylene chloride

Concen: 18.485 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV015897.D

Acq: 05 May 2020 12:34

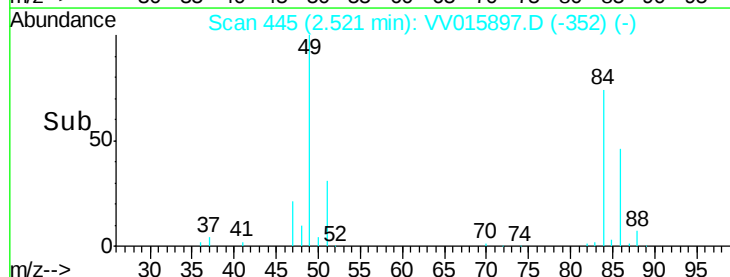
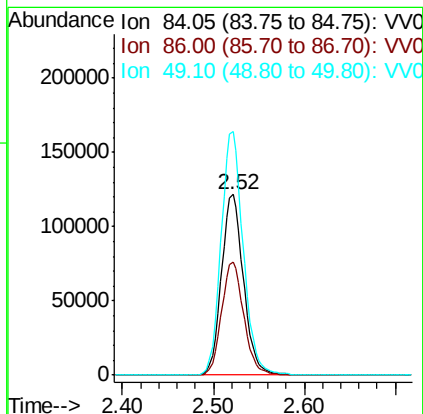
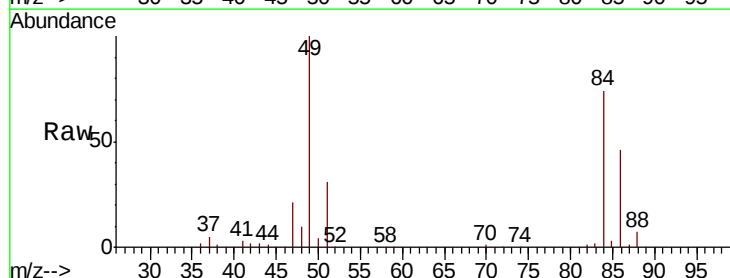
Tgt Ion: 84 Resp: 204796

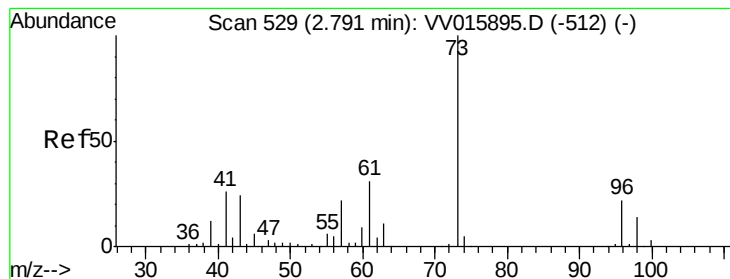
Ion Ratio Lower Upper

84 100

86 62.7 45.6 84.8

49 135.0 93.6 173.8



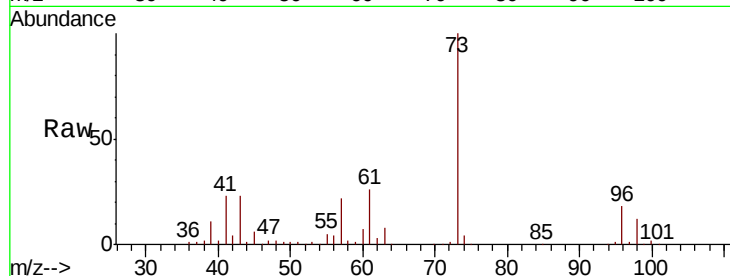


#17

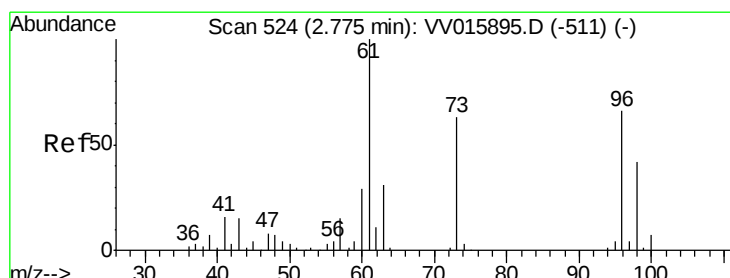
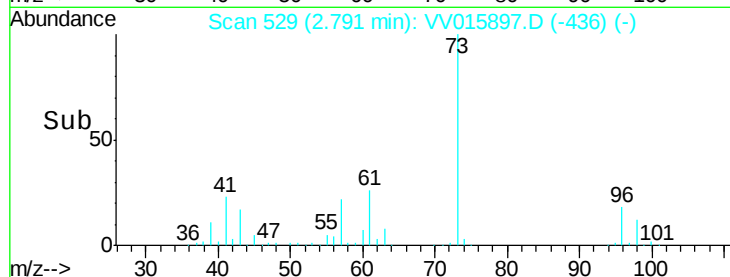
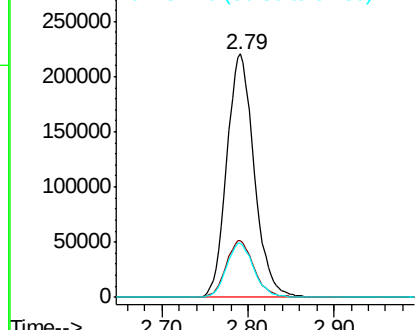
Methvl tert-butvl Ether
 Concen: 19.684 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: VV015897.D
 Acq: 05 May 2020 12:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

Tot Ion: 73 Resp: 487974
 Ion Ratio Lower Upper
 73 100
 43 23.4 18.8 28.2
 57 22.3 17.8 26.6



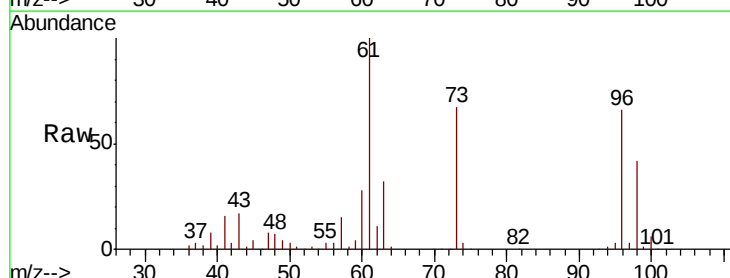
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



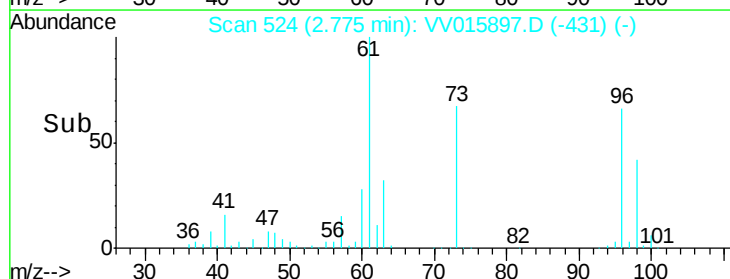
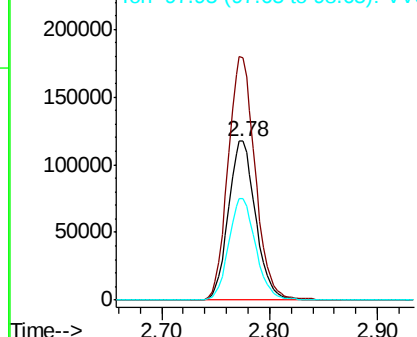
#18

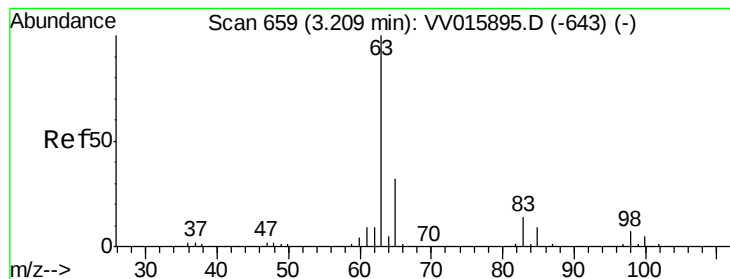
trans-1,2-Dichloroethene
 Concen: 20.596 ug/L
 RT: 2.78 min Scan# 524
 Delta R.T. -0.00 min
 Lab File: VV015897.D
 Acq: 05 May 2020 12:34

Tgt Ion: 96 Resp: 206439
 Ion Ratio Lower Upper
 96 100
 61 152.6 105.3 195.5
 98 64.1 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 19.912 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV015897.D

Acq: 05 May 2020 12:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD02034

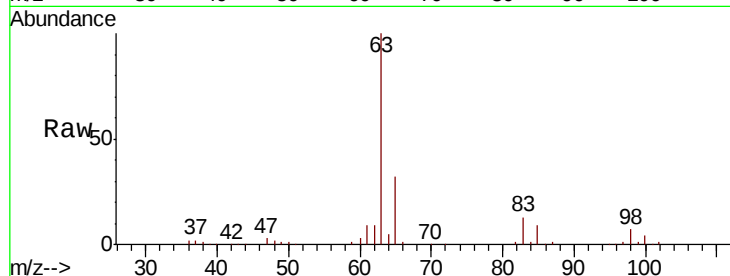
Tot Ion: 63 Resp: 388632

Ion Ratio Lower Upper

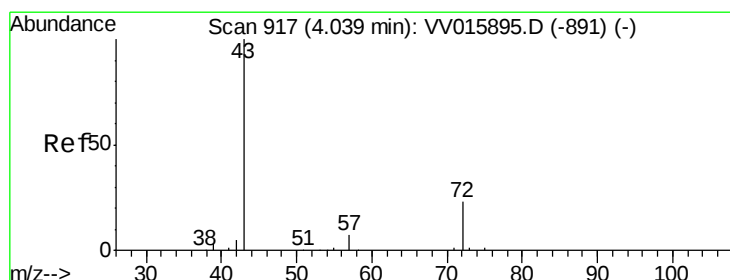
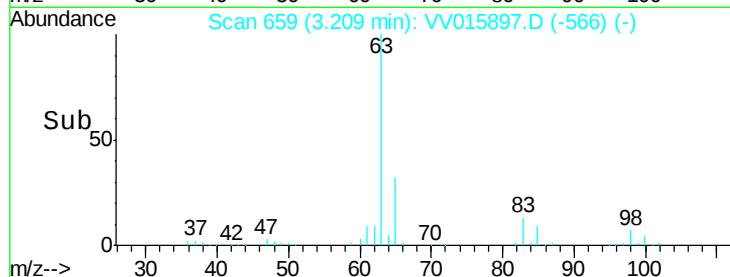
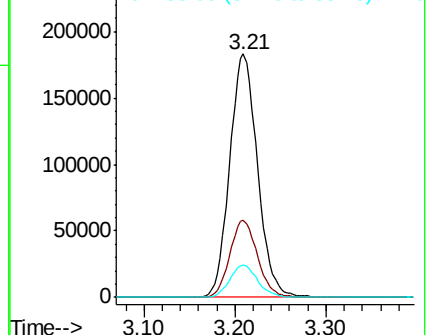
63 100

65 31.6 22.0 41.0

83 13.2 9.8 18.2



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 65.10 (64.80 to 65.80): VV0
Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 216.681 ug/L

RT: 4.02 min Scan# 912

Delta R.T. -0.02 min

Lab File: VV015897.D

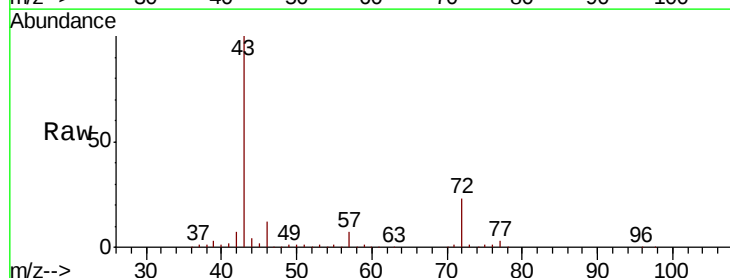
Acq: 05 May 2020 12:34

Tgt Ion: 43 Resp: 589166

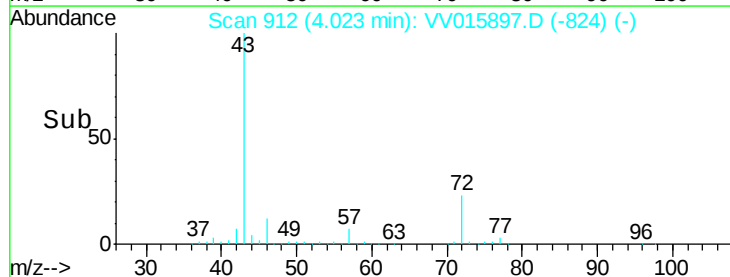
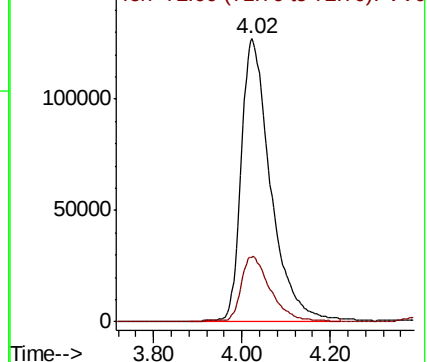
Ion Ratio Lower Upper

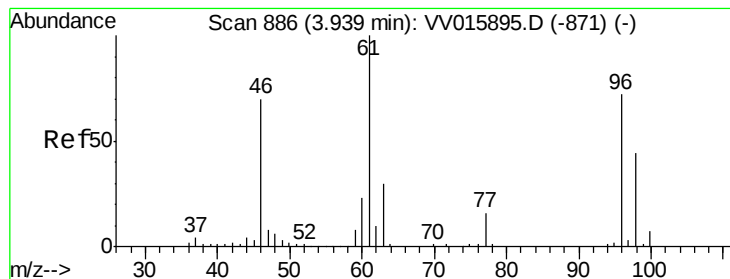
43 100

72 22.2 10.5 31.5



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 72.00 (71.70 to 72.70): VV0



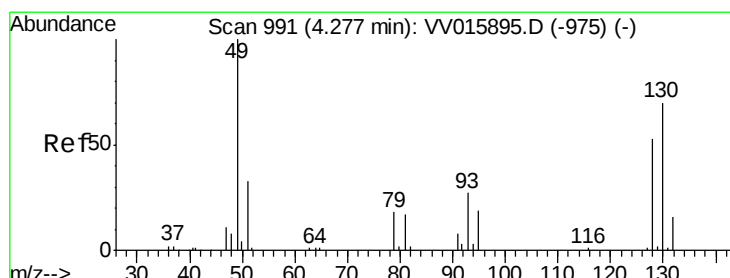
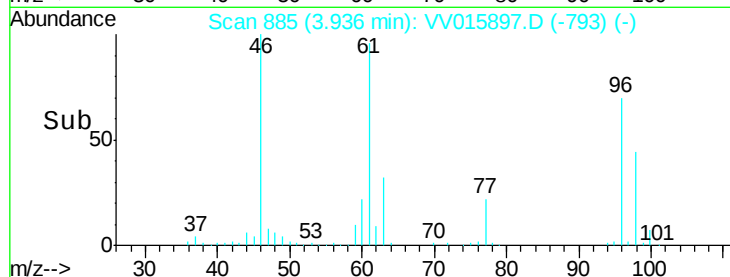
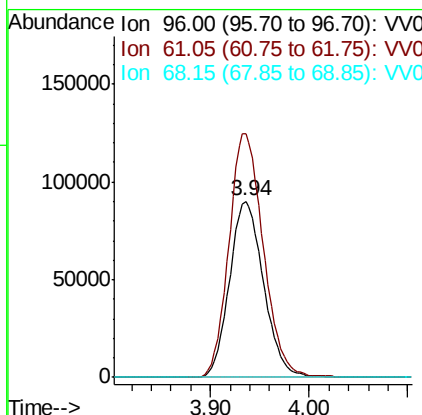
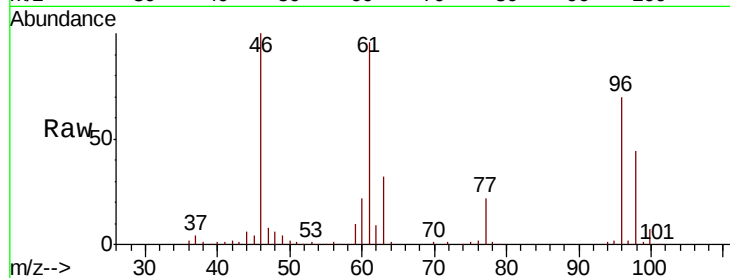


#22

cis-1,2-Dichloroethene
 Concen: 19.833 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV015897.D
 Acq: 05 May 2020 12:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

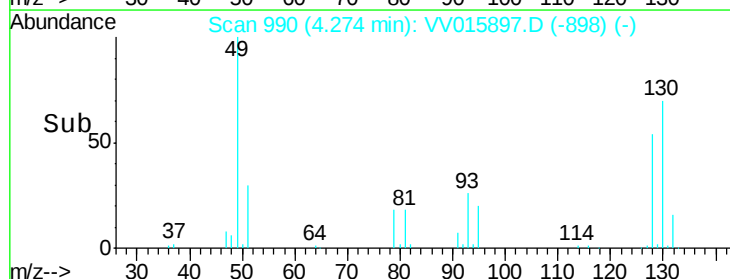
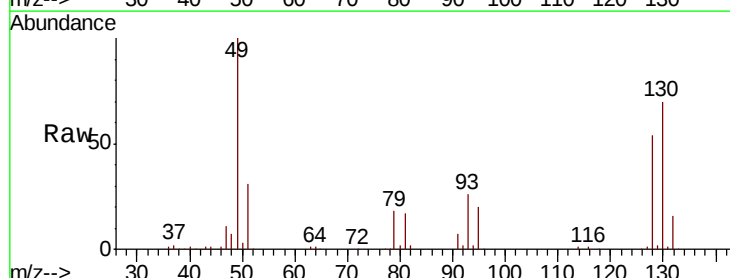
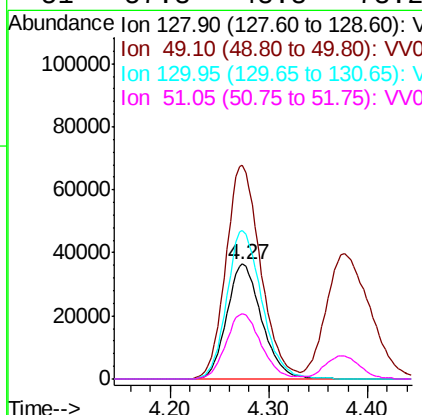
Tot Ion: 96 Resp: 216649
 Ion Ratio Lower Upper
 96 100
 61 138.3 97.2 180.6
 68 0.0 0.0 0.0

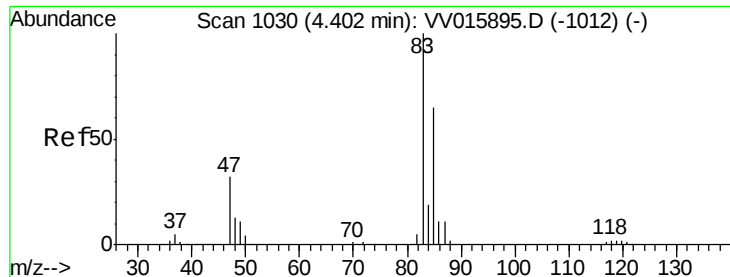


#23

Bromochloromethane
 Concen: 20.052 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: VV015897.D
 Acq: 05 May 2020 12:34

Tgt Ion: 128 Resp: 90220
 Ion Ratio Lower Upper
 128 100
 49 186.1 131.3 243.8
 130 129.5 91.8 170.4
 51 57.3 48.8 73.2

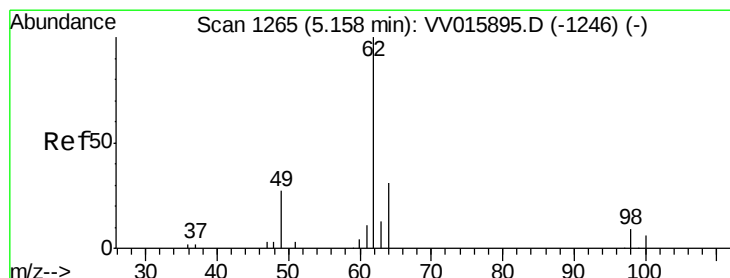
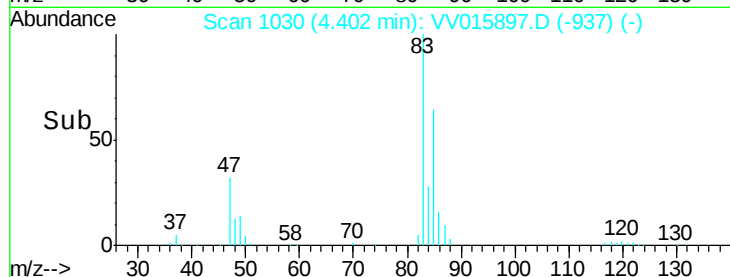
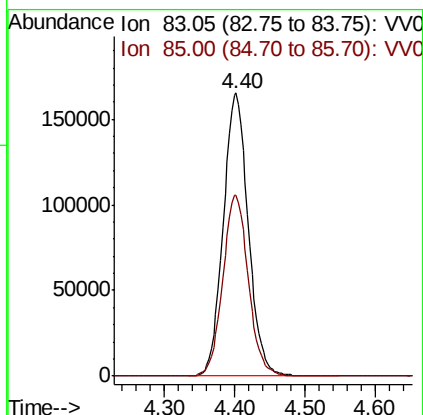
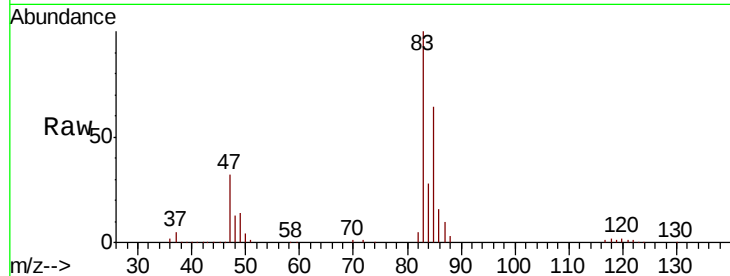




#25
Chloroform
Concen: 19.606 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV015897.D
Acq: 05 May 2020 12:34

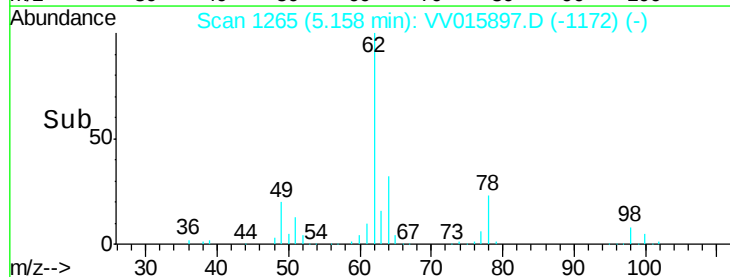
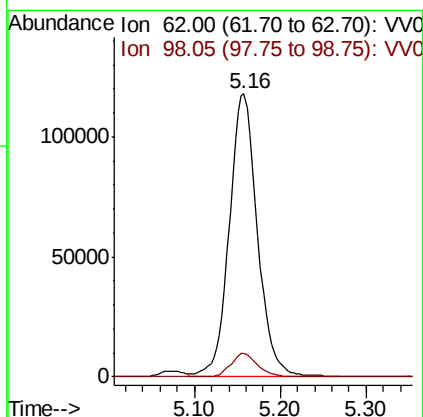
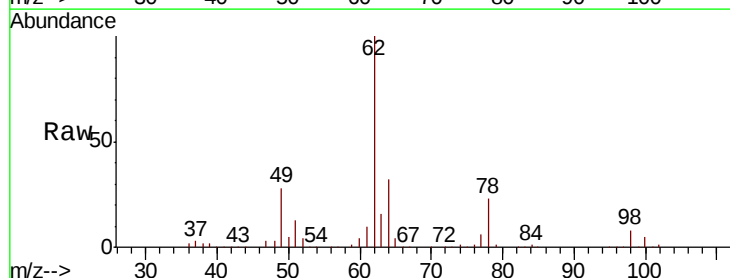
Instrument :
MSVOA_V
ClientSampleId :
VSTD02034

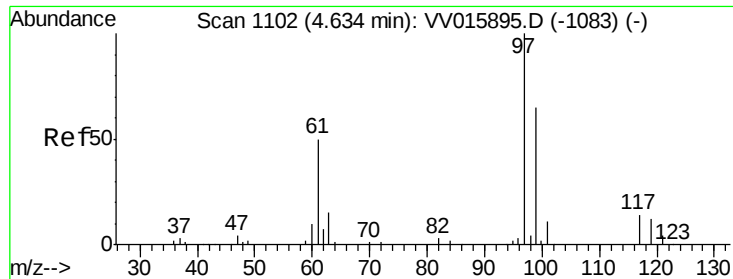
Tot Ion: 83 Resp: 409935
Ion Ratio Lower Upper
83 100
85 63.8 45.7 84.9



#27
1,2-Dichloroethane
Concen: 19.594 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VV015897.D
Acq: 05 May 2020 12:34

Tgt Ion: 62 Resp: 265923
Ion Ratio Lower Upper
62 100
98 8.2 6.7 10.1

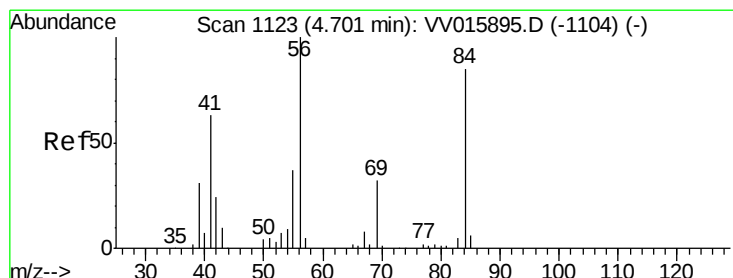
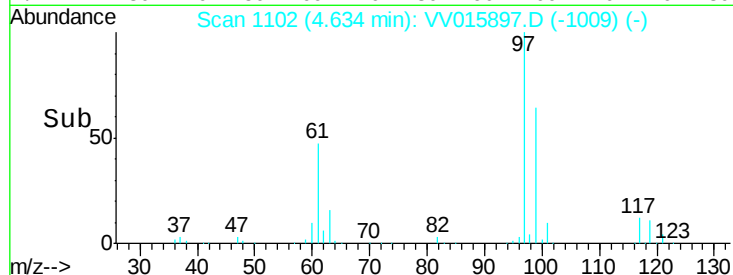
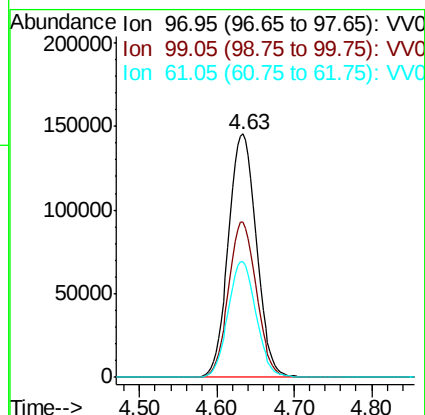
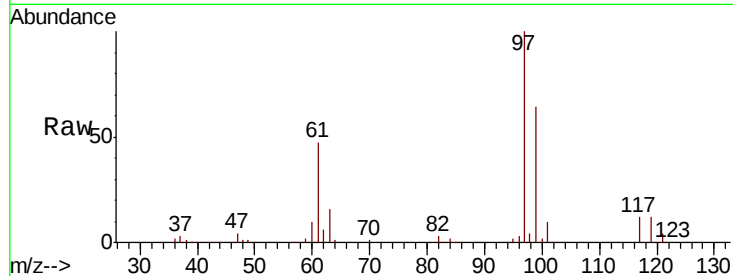




#29
 1,1,1-Trichloroethane
 Concen: 19.457 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VV015897.D
 Acq: 05 May 2020 12:34

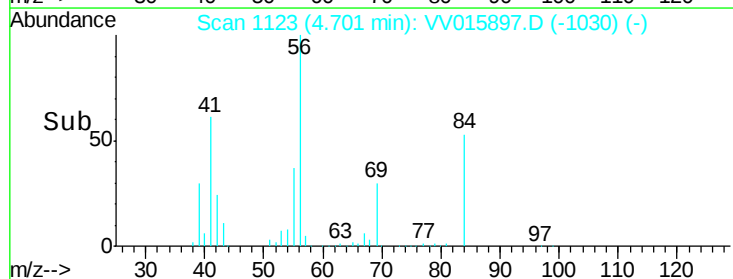
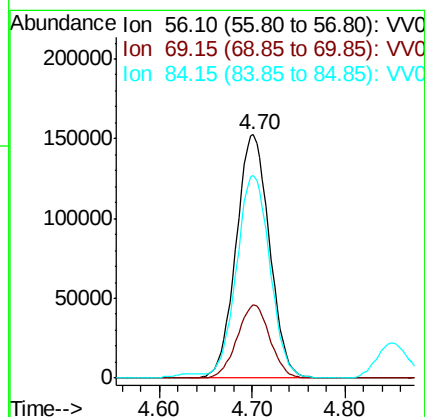
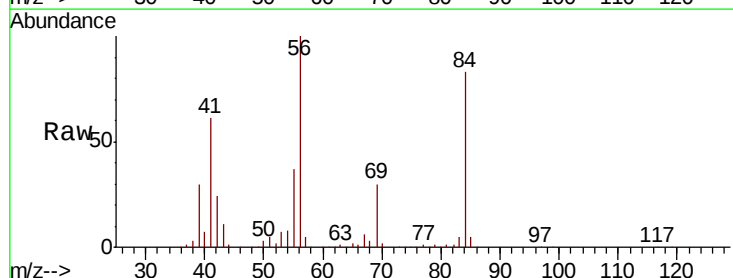
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

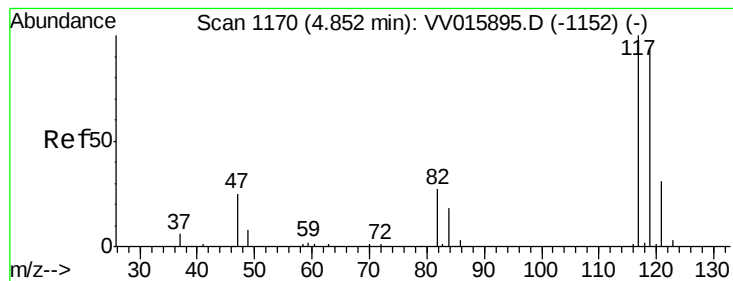
Tot Ion: 97 Resp: 364519
 Ion Ratio Lower Upper
 97 100
 99 63.7 50.7 76.1
 61 47.6 38.8 58.2



#30
 Cyclohexane
 Concen: 21.017 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: VV015897.D
 Acq: 05 May 2020 12:34

Tgt Ion: 56 Resp: 380765
 Ion Ratio Lower Upper
 56 100
 69 29.5 24.2 36.2
 84 83.7 68.3 102.5





#31

Carbon tetrachloride

Concen: 20.244 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV015897.D

Acq: 05 May 2020 12:34

Instrument :

MSVOA_V

ClientSampleId :

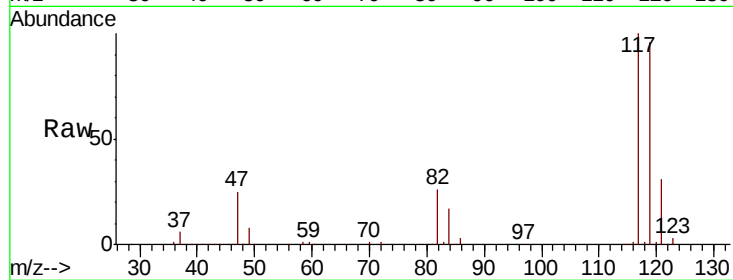
VSTD02034

Tot Ion:117 Resp: 315955

Ion Ratio Lower Upper

117 100

119 95.0 77.3 115.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.85

150000

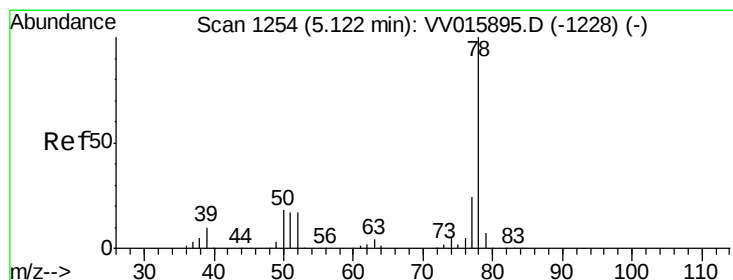
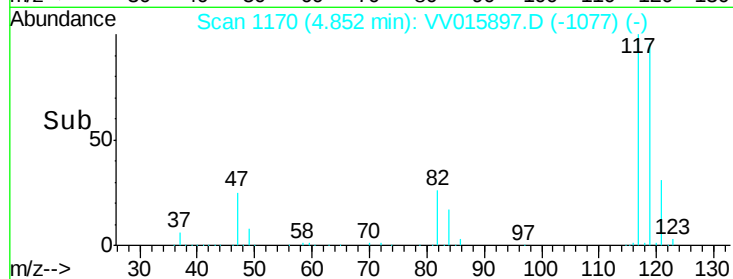
100000

50000

0

Time-->

4.80 4.90 5.00



#33

Benzene

Concen: 19.777 ug/L

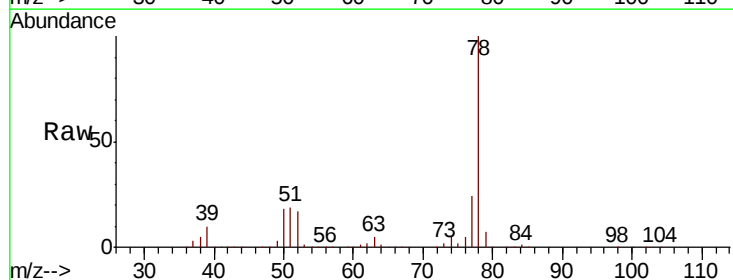
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VV015897.D

Acq: 05 May 2020 12:34

Tgt Ion: 78 Resp: 839505



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.12

400000

300000

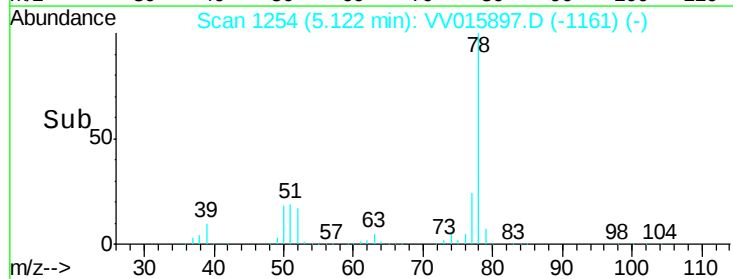
200000

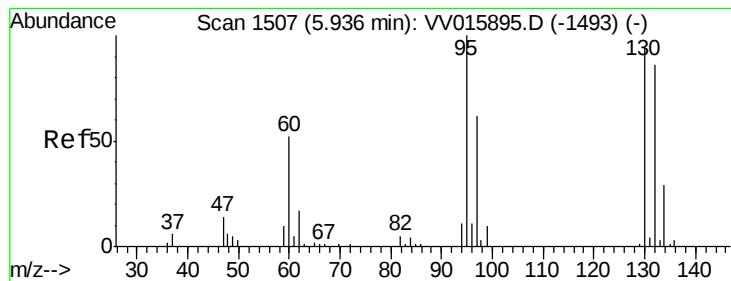
100000

0

Time-->

5.00 5.10 5.20 5.30





#34

Trichloroethene

Concen: 19.287 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV015897.D

Acq: 05 May 2020 12:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD02034

Tot Ion: 95 Resp: 226271

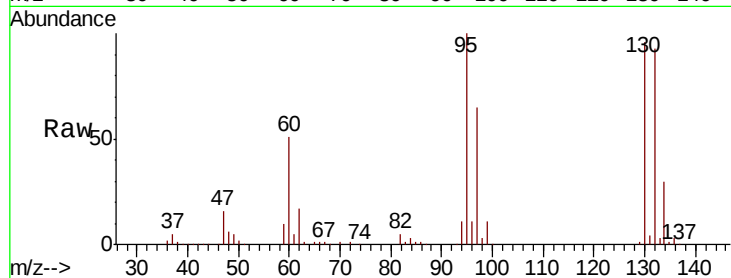
Ion Ratio Lower Upper

95 100

97 64.7 43.3 80.5

132 93.5 60.3 112.1

130 95.9 66.0 122.6

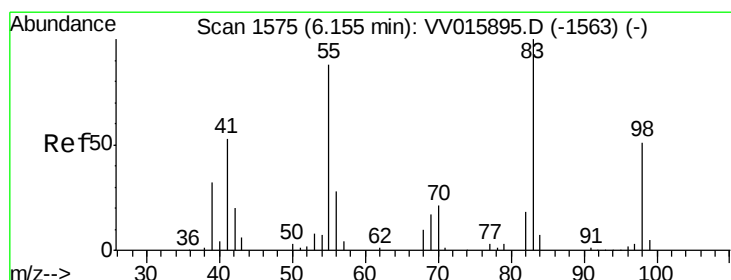
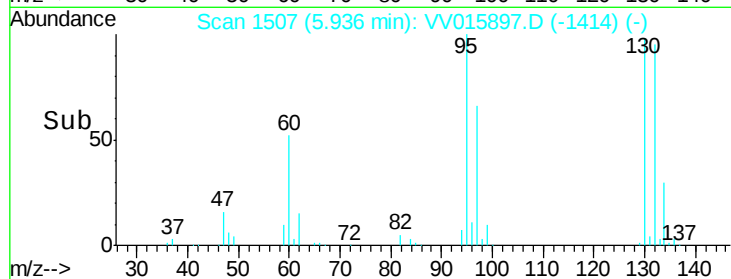
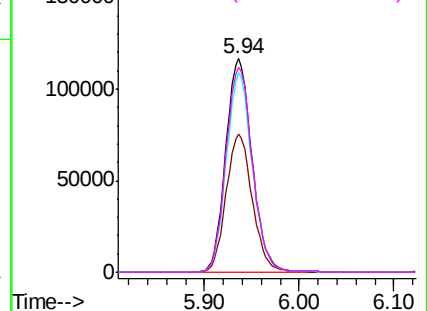


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 21.032 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV015897.D

Acq: 05 May 2020 12:34

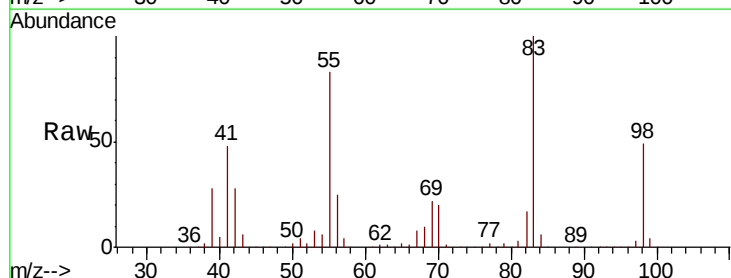
Tgt Ion: 83 Resp: 381169

Ion Ratio Lower Upper

83 100

55 82.3 66.2 99.2

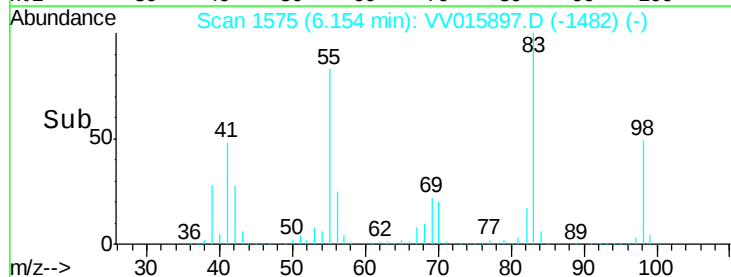
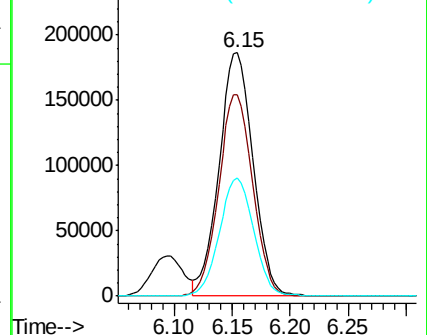
98 48.5 37.9 56.9

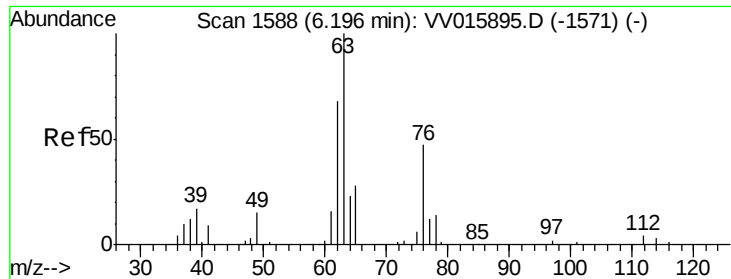


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 19.539 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VV015897.D

Acq: 05 May 2020 12:34

Instrument :

MSVOA_V

ClientSampleId :

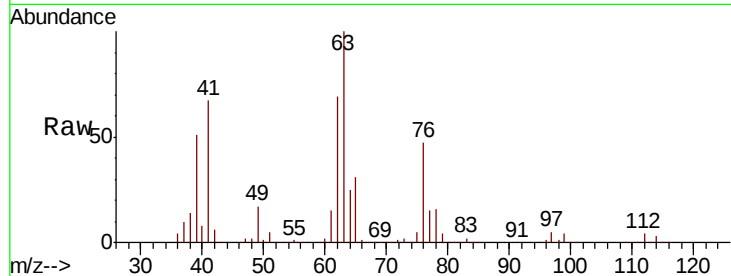
VSTD02034

Tot Ion: 63 Resp: 210868

Ion Ratio Lower Upper

63 100

112 4.2 3.4 5.0



Abundance Ion 63.10 (62.80 to 63.80): VV015897.D (-1495) (-)

Ion 112.10 (111.80 to 112.80): VV015897.D (-1495) (-)

6.20

120000

100000

80000

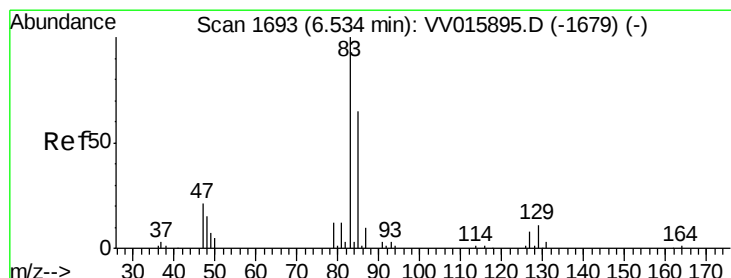
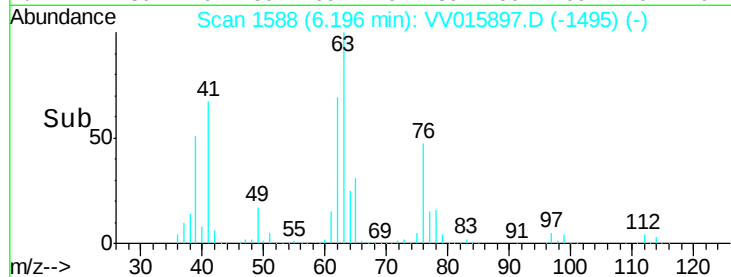
60000

40000

20000

0

Time-->



#38

Bromodichloromethane

Concen: 20.014 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV015897.D

Acq: 05 May 2020 12:34

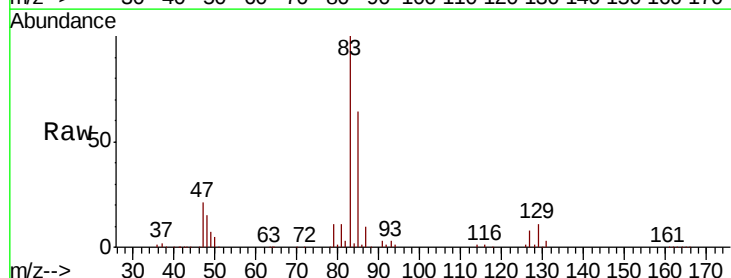
Tgt Ion: 83 Resp: 273630

Ion Ratio Lower Upper

83 100

85 63.8 45.5 84.5

127 8.0 6.2 9.4



Abundance Ion 82.95 (82.65 to 83.65): VV015897.D (-1600) (-)

Ion 85.00 (84.70 to 85.70): VV015897.D (-1600) (-)

Ion 126.90 (126.60 to 127.60): VV015897.D (-1600) (-)

6.53

200000

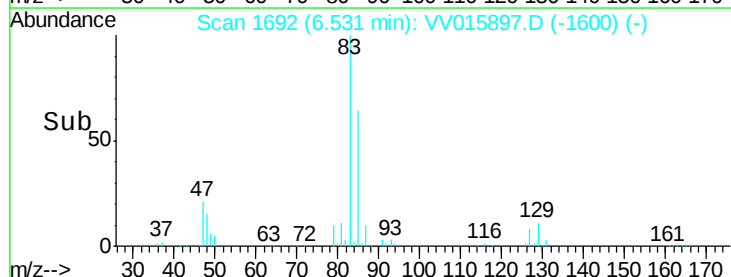
150000

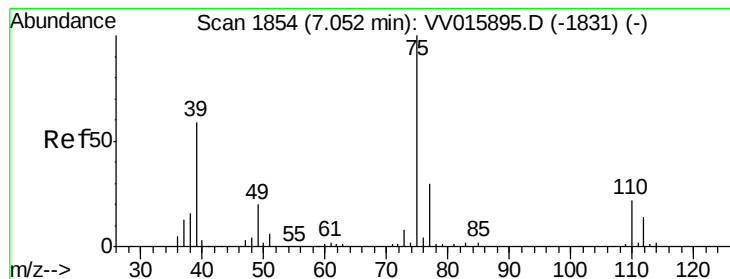
100000

50000

0

Time-->





#39

cis-1,3-Dichloropropene

Concen: 21.710 ug/L

RT: 7.05 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VV015897.D

Acq: 05 May 2020 12:34

Instrument :

MSVOA_V

ClientSampleId :

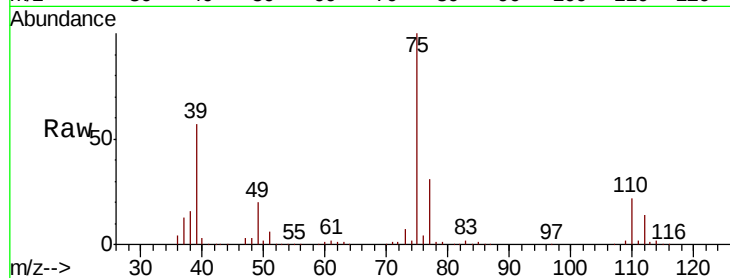
VSTD02034

Tot Ion: 75 Resp: 327771

Ion Ratio Lower Upper

75 100

77 31.3 21.3 39.5



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.05

200000

150000

100000

50000

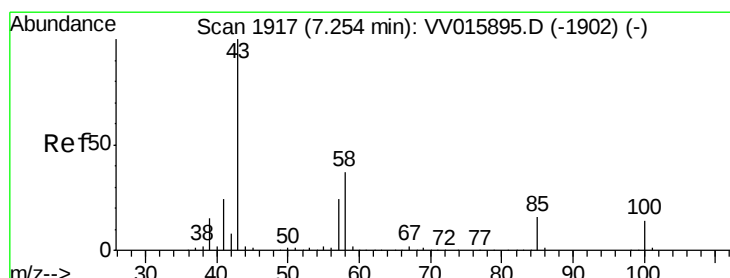
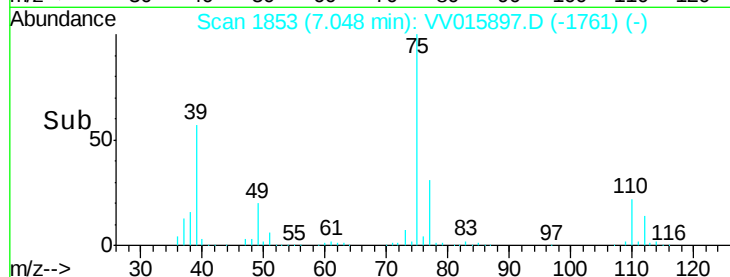
0

6.90

7.00

7.10

Time-->



#40

4-Methyl-2-pentanone

Concen: 201.347 ug/L

RT: 7.25 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VV015897.D

Acq: 05 May 2020 12:34

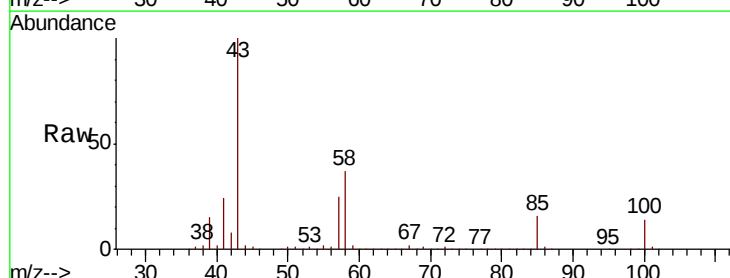
Tgt Ion: 43 Resp: 1409422

Ion Ratio Lower Upper

43 100

58 37.1 29.0 43.4

100 14.3 10.9 16.3



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0

7.25

1000000

800000

600000

400000

200000

0

7.15

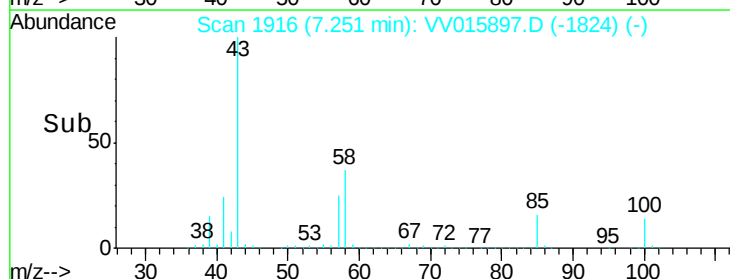
7.20

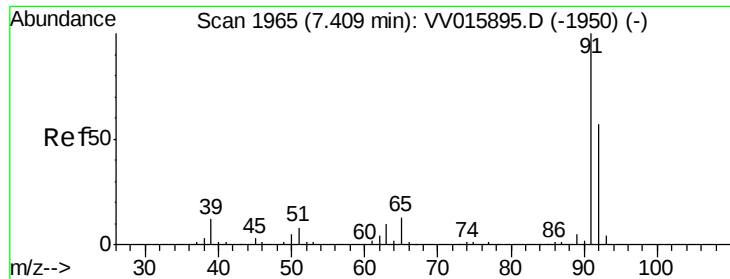
7.25

7.30

7.35

Time-->





#42

Toluene

Concen: 20.129 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV015897.D

Acq: 05 May 2020 12:34

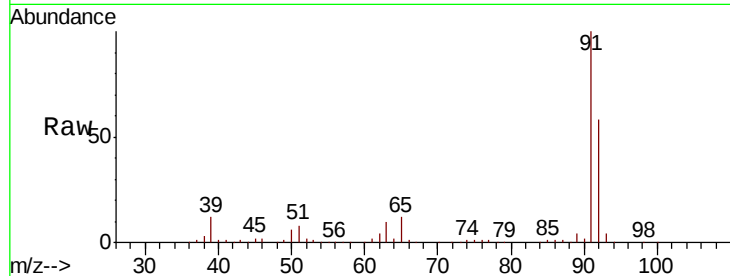
Instrument :
MSVOA_V
ClientSampleId :
VSTD02034

Tot Ion: 91 Resp: 912874

Ion Ratio Lower Upper

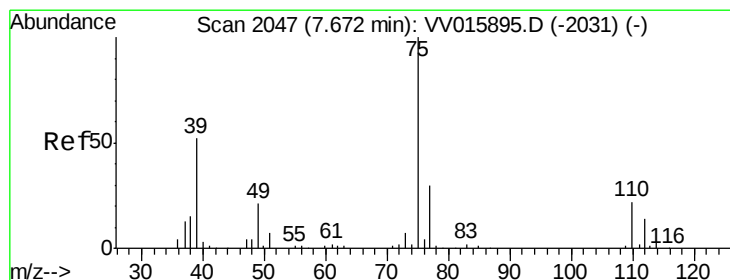
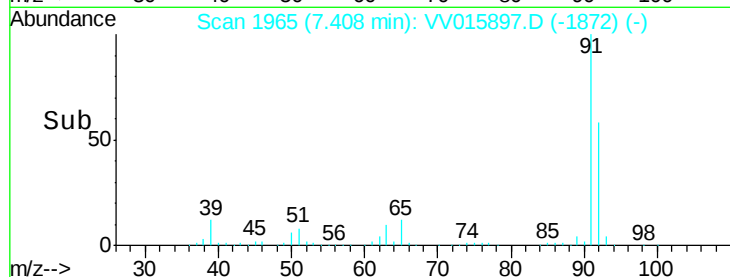
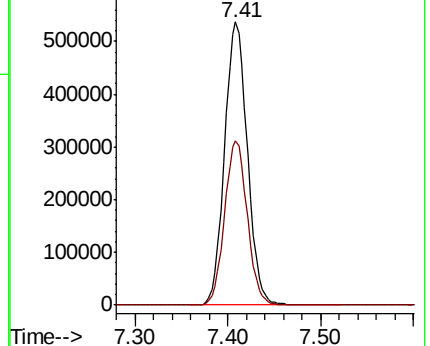
91 100

92 58.3 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VV015897.D (-1872) (-)

Ion 92.15 (91.85 to 92.85): VV015897.D (-1872) (-)



#44

trans-1,3-Dichloropropene

Concen: 22.004 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV015897.D

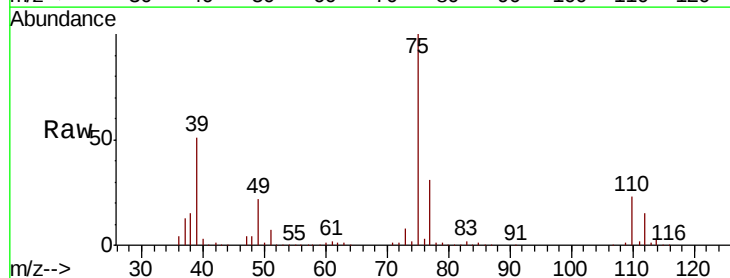
Acq: 05 May 2020 12:34

Tgt Ion: 75 Resp: 278007

Ion Ratio Lower Upper

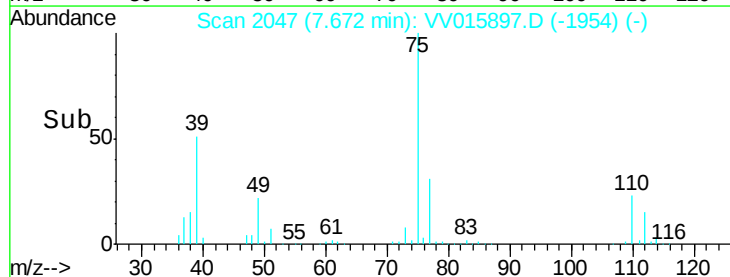
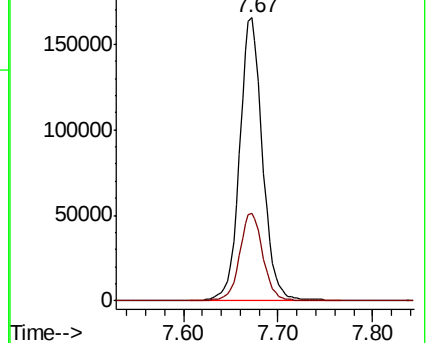
75 100

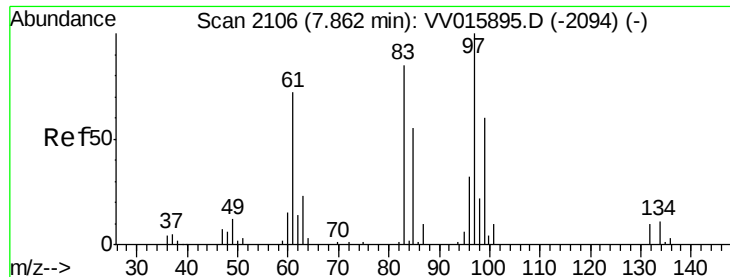
77 31.0 21.3 39.6



Abundance Ion 75.05 (74.75 to 75.75): VV015897.D (-1954) (-)

Ion 77.05 (76.75 to 77.75): VV015897.D (-1954) (-)





#45

1,1,2-Trichloroethane

Concen: 19.057 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VV015897.D

Acq: 05 May 2020 12:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD02034

Tot Ion: 97 Resp: 139225

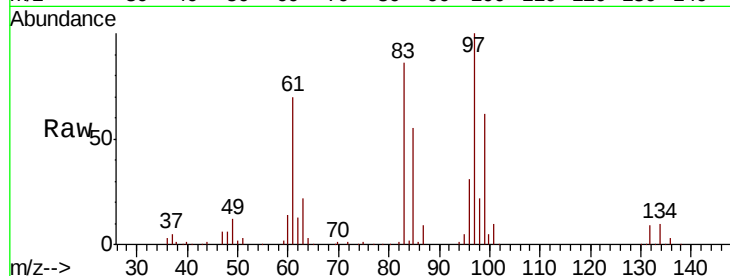
Ion Ratio Lower Upper

97 100

99 62.1 42.1 78.1

83 86.2 59.2 110.0

85 54.6 38.6 71.8

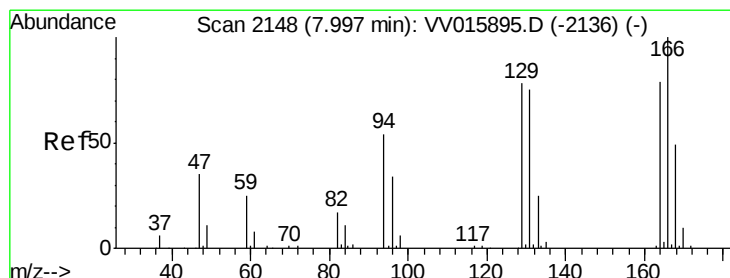
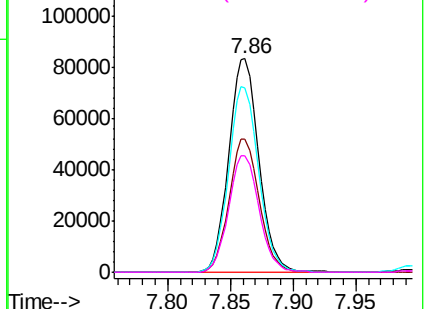
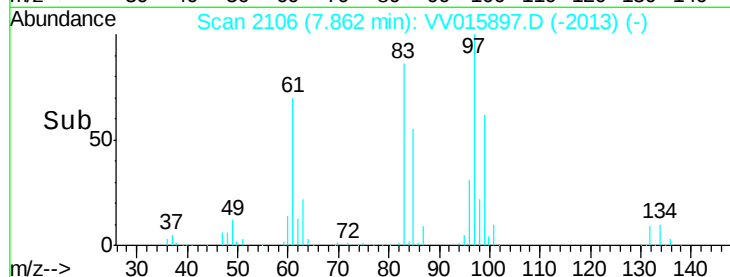


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 19.703 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV015897.D

Acq: 05 May 2020 12:34

Tgt Ion: 164 Resp: 166374

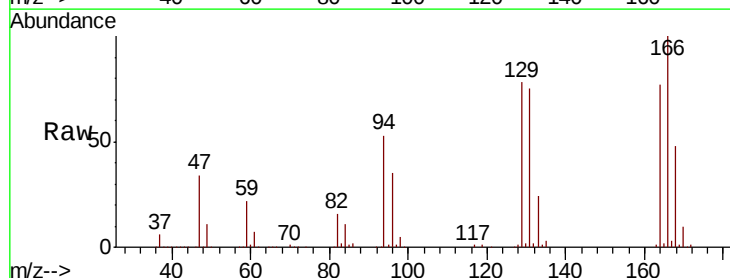
Ion Ratio Lower Upper

164 100

129 100.7 69.7 129.4

131 96.7 66.8 124.2

166 129.6 89.1 165.5

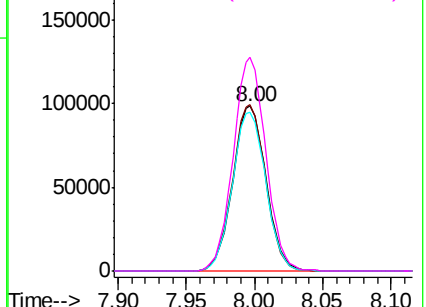
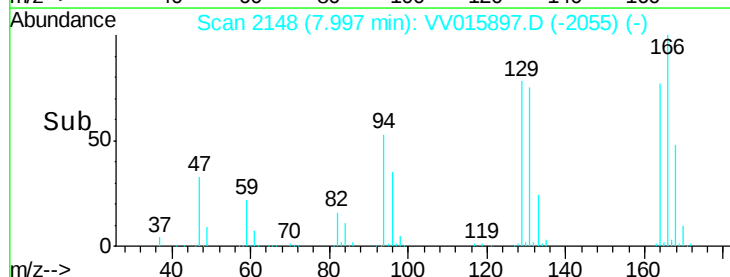


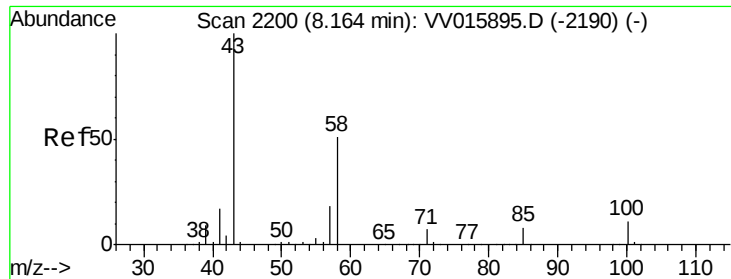
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



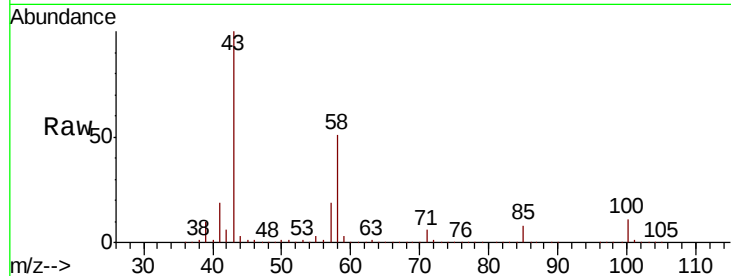


#48
2-Hexanone
Concen: 205.680 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VV015897.D
Acq: 05 May 2020 12:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD02034

Tot Ion: 43 Resp: 1021933

Ion	Ratio	Lower	Upper
43	100		
58	50.9	40.8	61.2
57	18.7	14.7	22.1
100	11.2	9.0	13.6

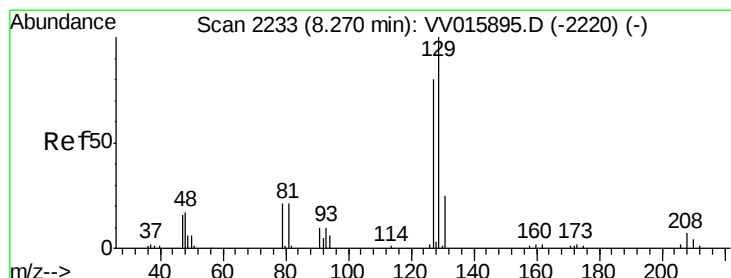
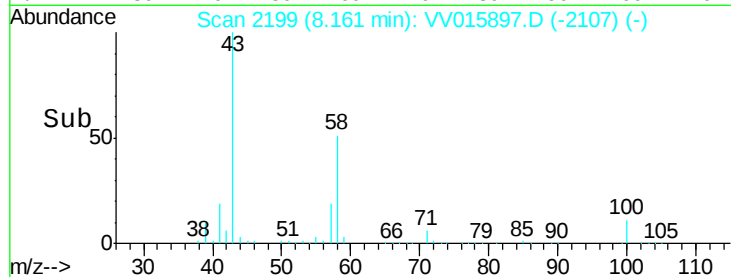
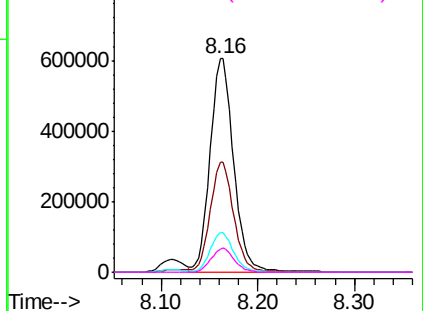


Abundance Ion 43.05 (42.75 to 43.75): VV015897.D (-2107) (-)

Ion 58.05 (57.75 to 58.75): VV015897.D (-2107) (-)

Ion 57.20 (56.90 to 57.90): VV015897.D (-2107) (-)

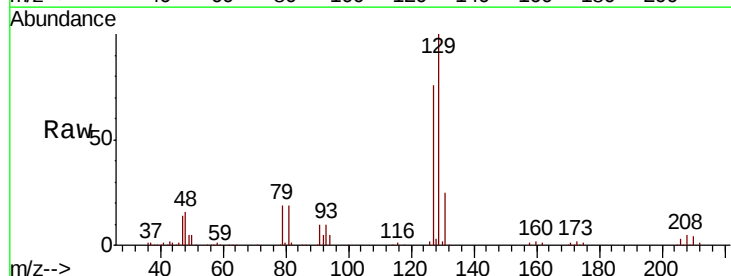
Ion 100.15 (99.85 to 100.85): VV015897.D (-2107) (-)



#49
Dibromochloromethane
Concen: 21.720 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV015897.D
Acq: 05 May 2020 12:34

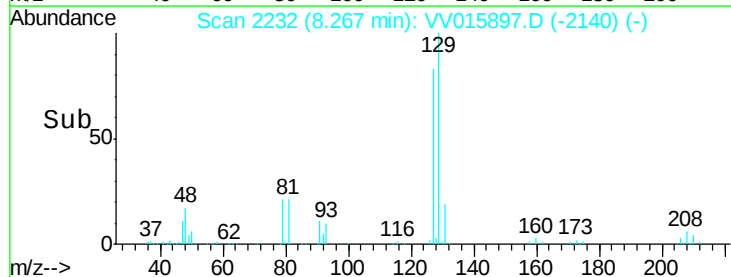
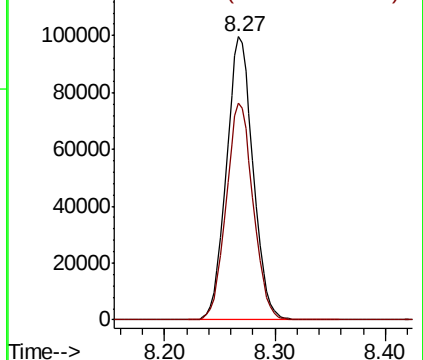
Tgt Ion: 129 Resp: 166734

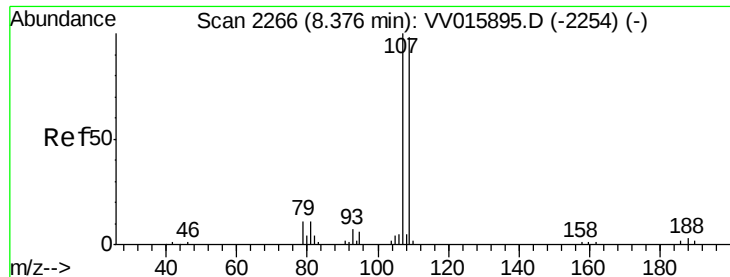
Ion	Ratio	Lower	Upper
129	100		
127	76.4	56.0	104.0



Abundance Ion 128.95 (128.65 to 129.65): VV015897.D (-2140) (-)

Ion 126.90 (126.60 to 127.60): VV015897.D (-2140) (-)

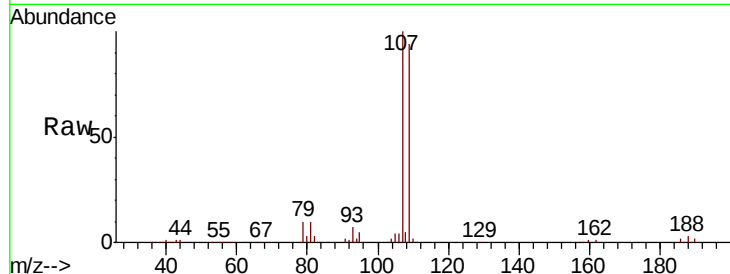




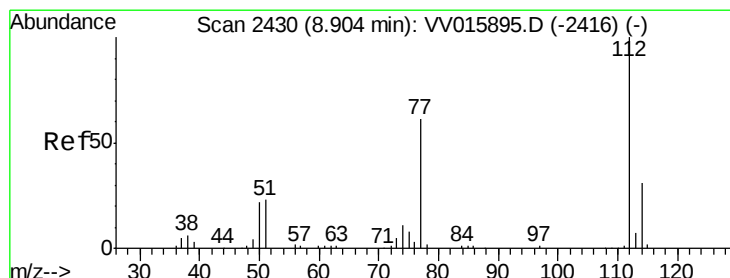
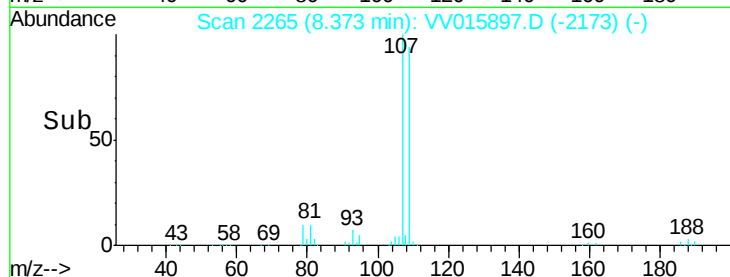
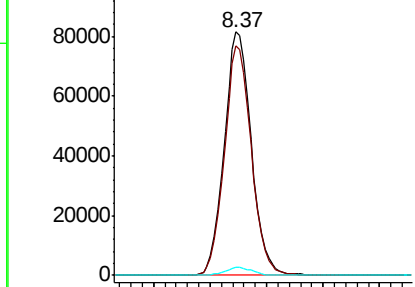
#50
 1,2-Dibromoethane
 Concen: 20.053 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV015897.D
 Acq: 05 May 2020 12:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	68.9	127.9
188	3.4	2.7	4.1

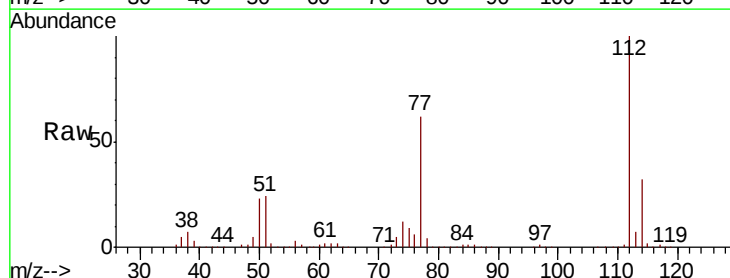


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

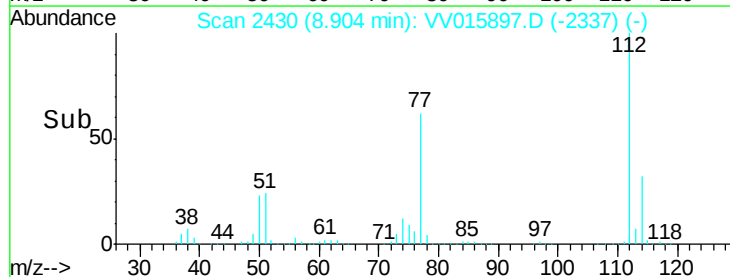
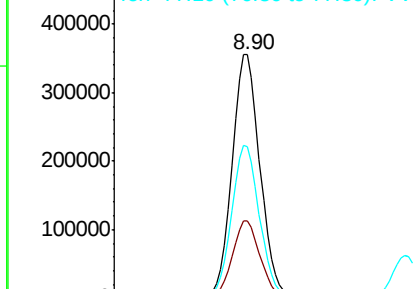


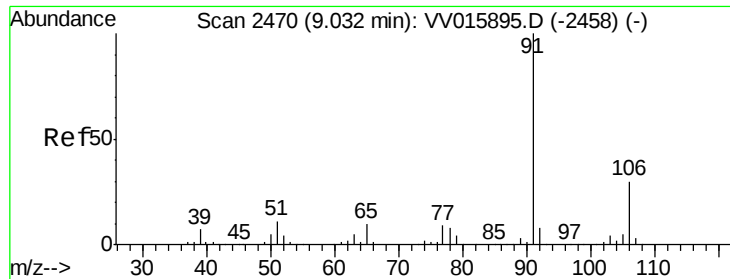
#51
 Chlorobenzene
 Concen: 19.134 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VV015897.D
 Acq: 05 May 2020 12:34

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	21.6	40.0
77	62.2	48.6	73.0



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: 20.111 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV015897.D

Acq: 05 May 2020 12:34

Instrument :

MSVOA_V

ClientSampleId :

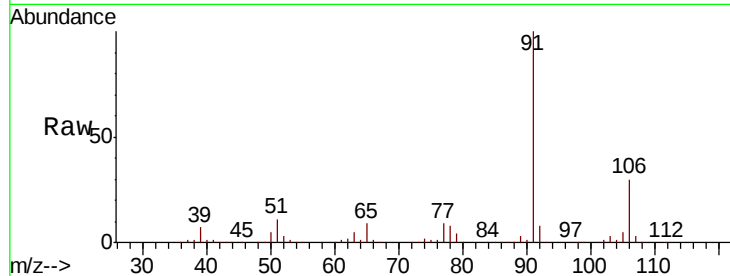
VSTD02034

Tot Ion: 91 Resp: 1053708

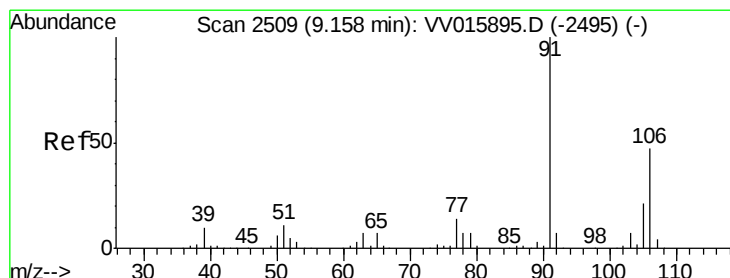
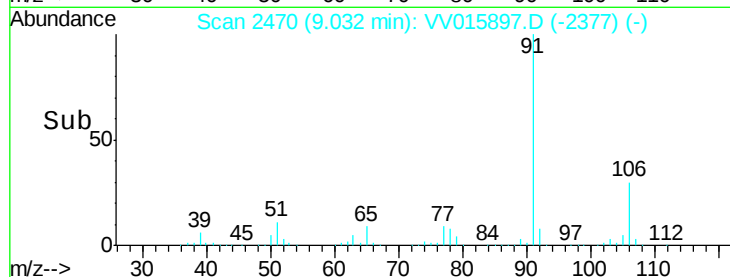
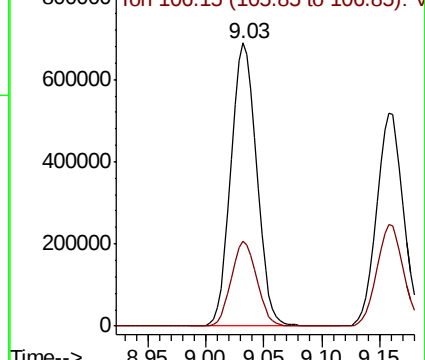
Ion Ratio Lower Upper

91 100

106 29.8 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): VV015897.D (-2377) (-)



#53

m,p-xylene

Concen: 20.822 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV015897.D

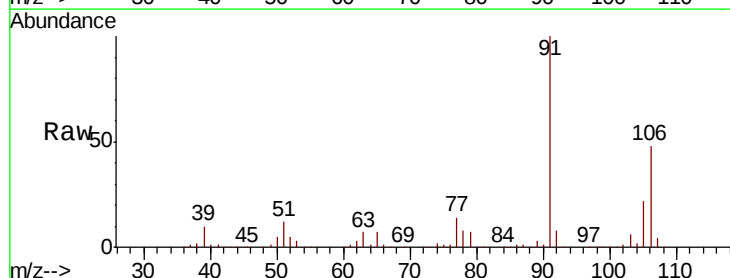
Acq: 05 May 2020 12:34

Tgt Ion: 106 Resp: 400672

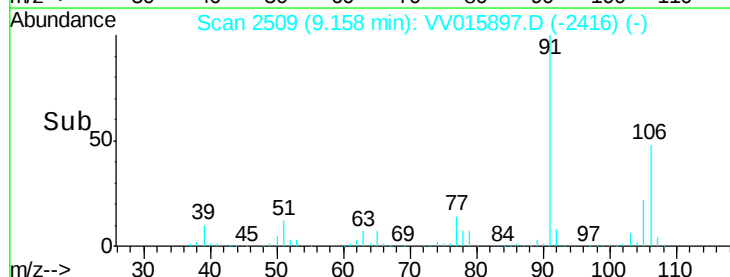
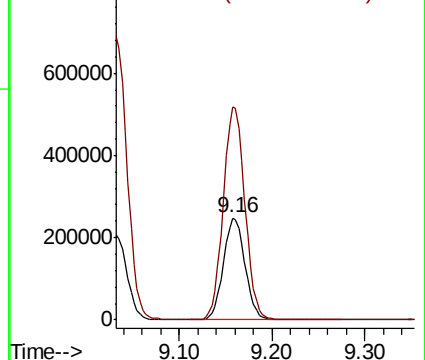
Ion Ratio Lower Upper

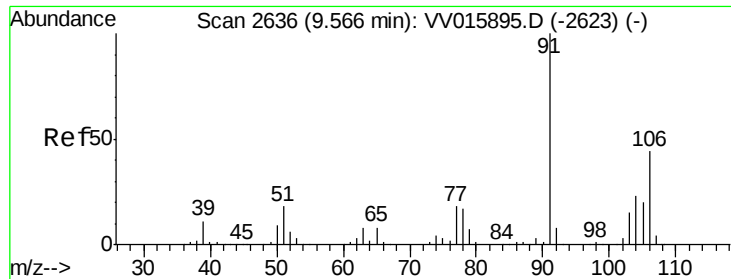
106 100

91 209.4 149.9 278.3



Abundance Ion 106.15 (105.85 to 106.85): VV015897.D (-2416) (-)

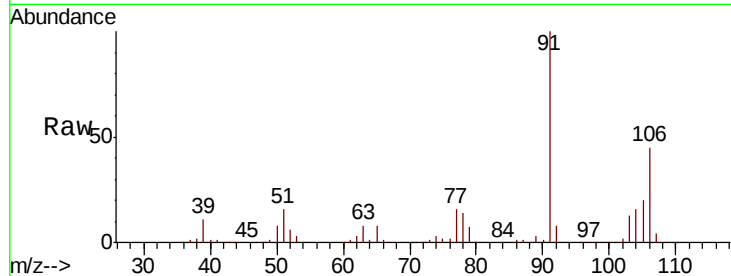




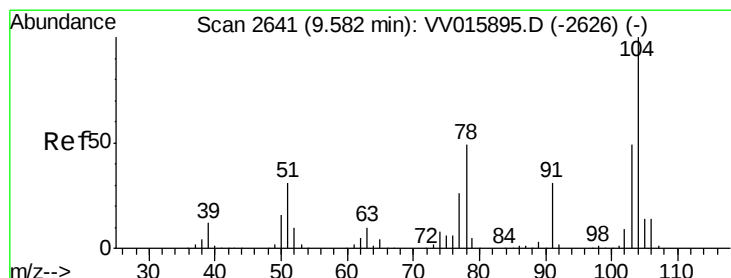
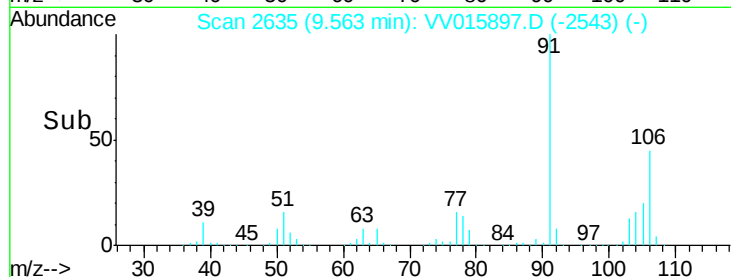
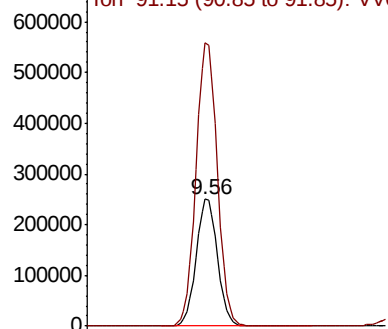
#54
o-xylene
Concen: 20.553 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV015897.D
Acq: 05 May 2020 12:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD02034

Tot Ion:106 Resp: 380954
Ion Ratio Lower Upper
106 100
91 223.5 159.7 296.5

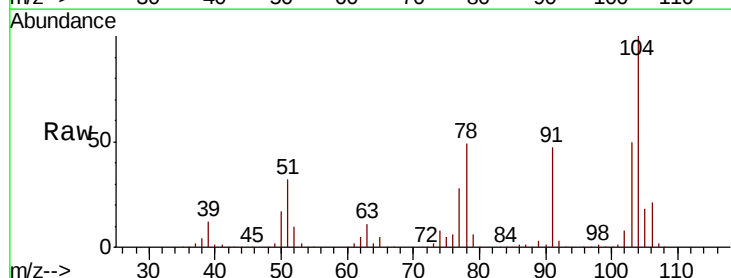


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

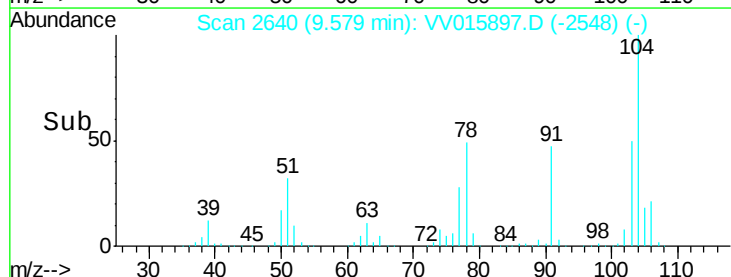
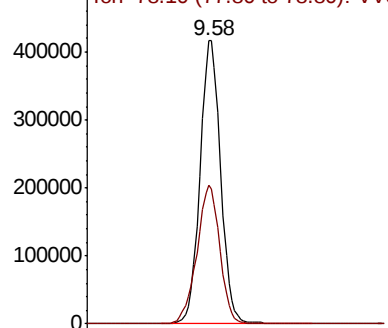


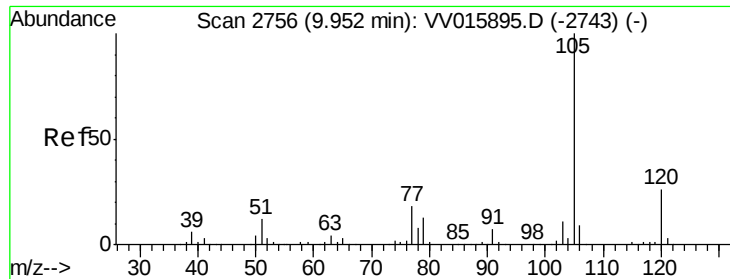
#55
Styrene
Concen: 20.933 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV015897.D
Acq: 05 May 2020 12:34

Tgt Ion:104 Resp: 656742
Ion Ratio Lower Upper
104 100
78 48.9 33.9 63.0



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 20.250 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV015897.D

Acq: 05 May 2020 12:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD02034

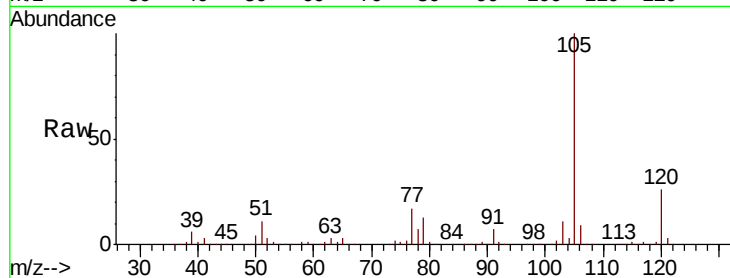
Tot Ion:105 Resp: 1051632

Ion Ratio Lower Upper

105 100

120 25.8 20.8 31.2

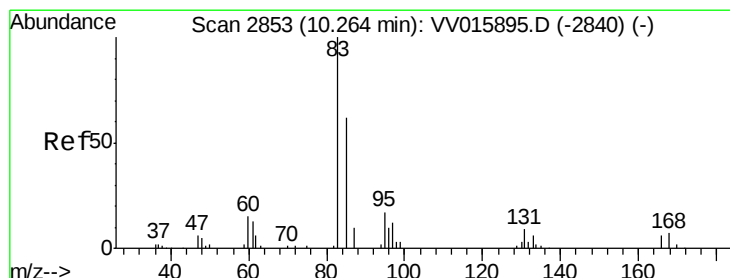
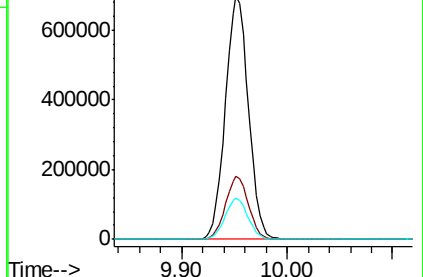
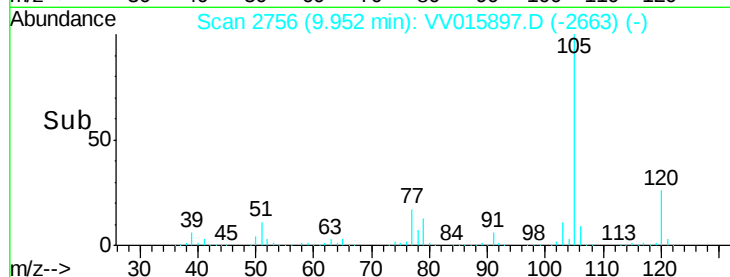
77 16.8 14.1 21.1



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: 19.769 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV015897.D

Acq: 05 May 2020 12:34

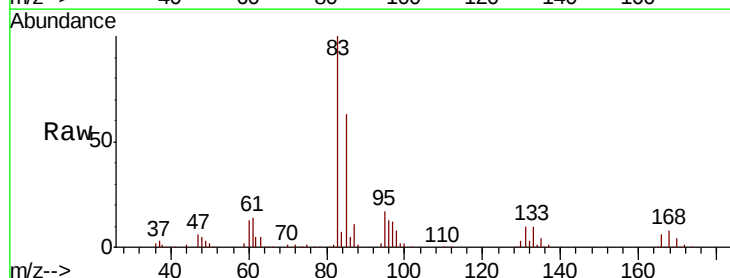
Tgt Ion: 83 Resp: 168870

Ion Ratio Lower Upper

83 100

85 63.1 44.0 81.6

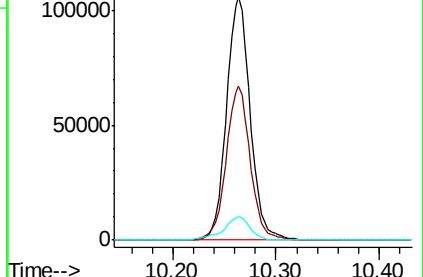
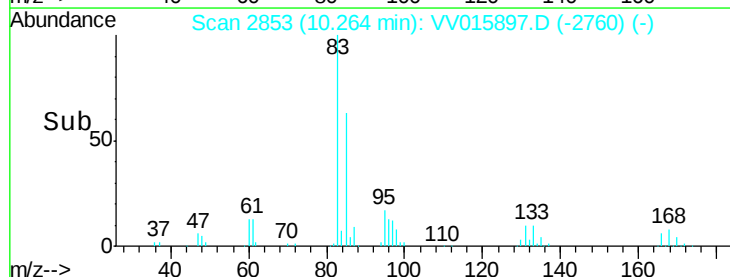
131 9.5 7.7 11.5

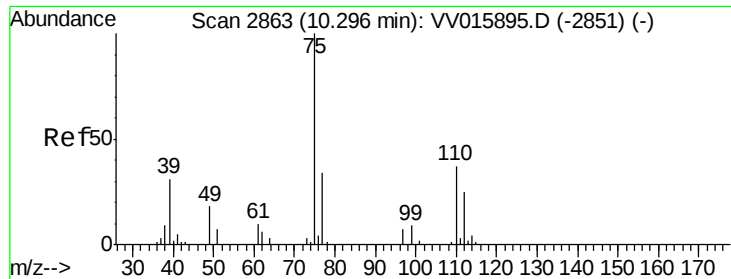


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 18.938 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV015897.D

Acq: 05 May 2020 12:34

Instrument :

MSVOA_V

ClientSampleId :

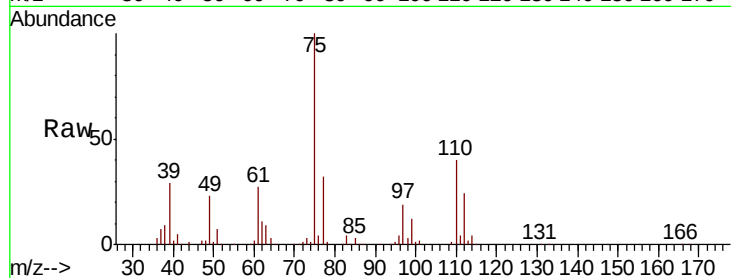
VSTD02034

Tot Ion: 75 Resp: 129359

Ion Ratio Lower Upper

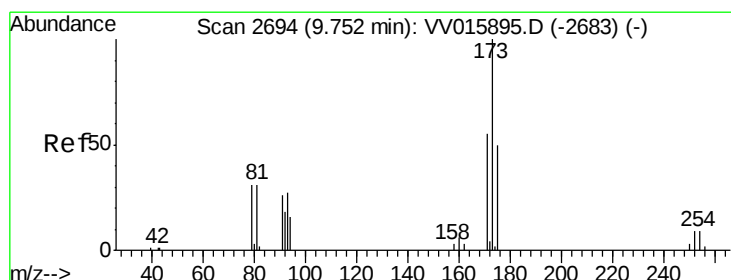
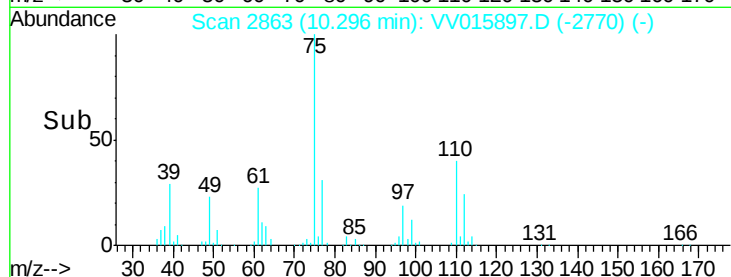
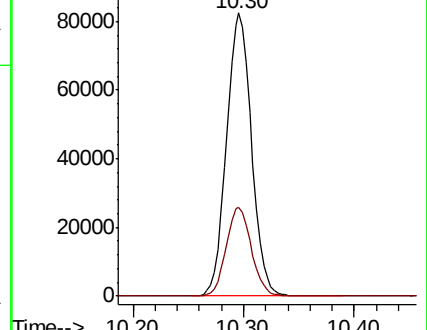
75 100

77 31.8 26.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VV015897.D (-2851) (-)

Ion 77.00 (76.70 to 77.70): VV015897.D (-2851) (-)



#61

Bromoform

Concen: 24.243 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV015897.D

Acq: 05 May 2020 12:34

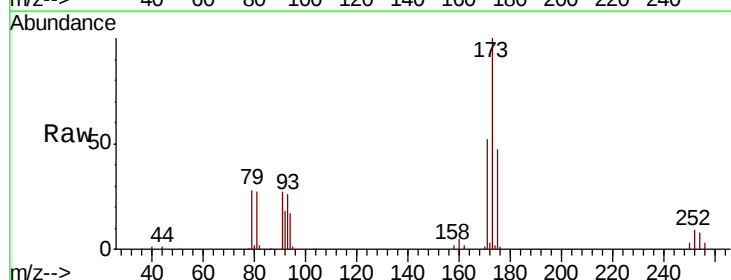
Tgt Ion:173 Resp: 80326

Ion Ratio Lower Upper

173 100

175 47.6 39.8 59.8

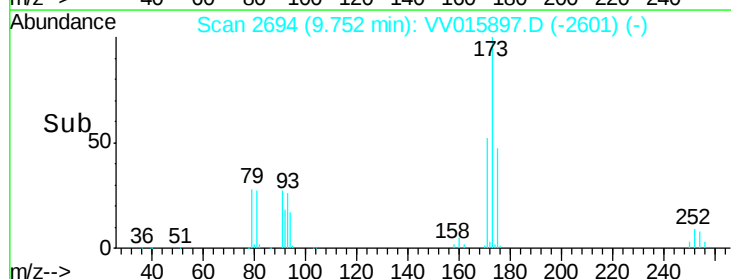
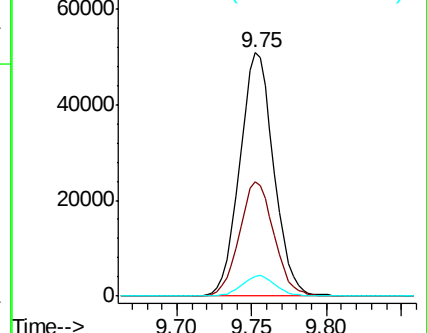
254 8.2 7.1 10.7

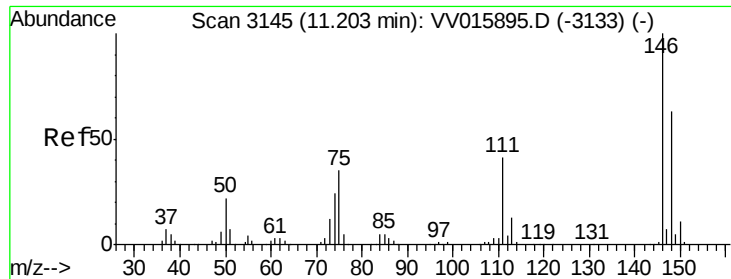


Abundance Ion 172.90 (172.60 to 173.60): VV015897.D (-2683) (-)

Ion 174.90 (174.60 to 175.60): VV015897.D (-2683) (-)

Ion 253.75 (253.45 to 254.45): VV015897.D (-2683) (-)





#62

1,3-Dichlorobenzene

Concen: 19.135 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV015897.D

Acq: 05 May 2020 12:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD02034

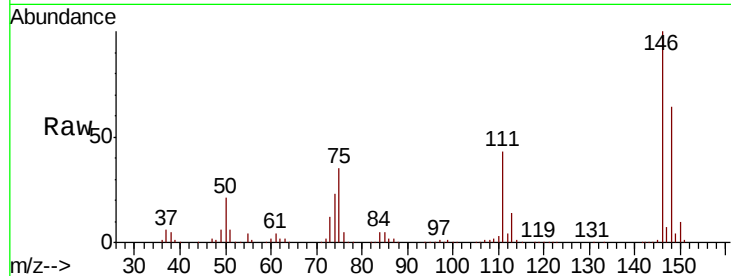
Tot Ion:146 Resp: 466456

Ion Ratio Lower Upper

146 100

111 42.7 28.7 53.3

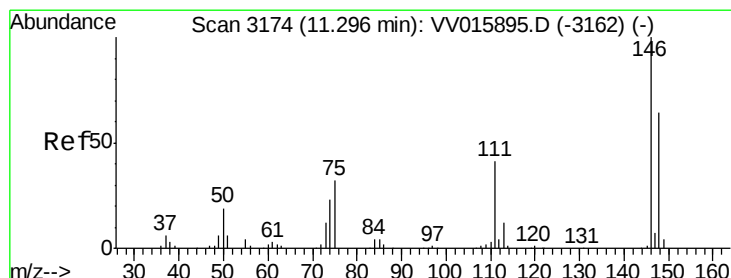
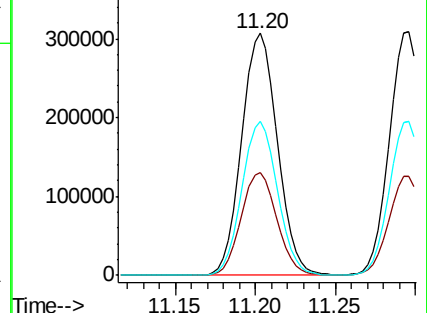
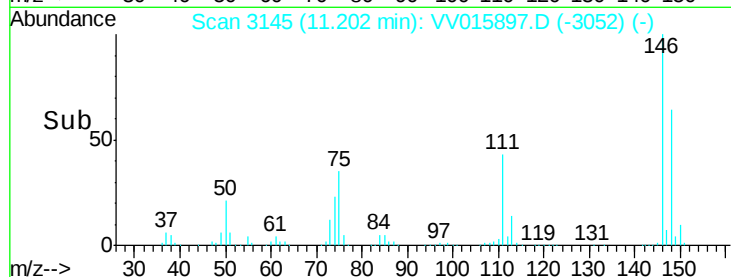
148 63.5 44.0 81.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 19.043 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV015897.D

Acq: 05 May 2020 12:34

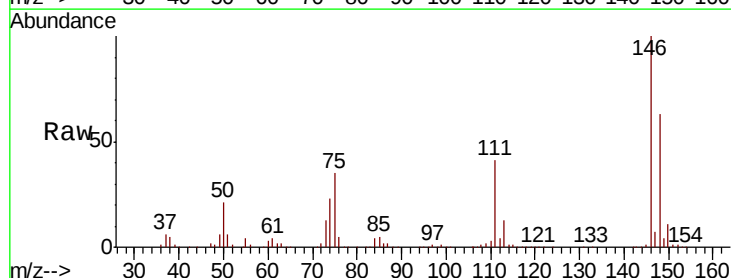
Tgt Ion:146 Resp: 467794

Ion Ratio Lower Upper

146 100

111 40.6 28.9 53.7

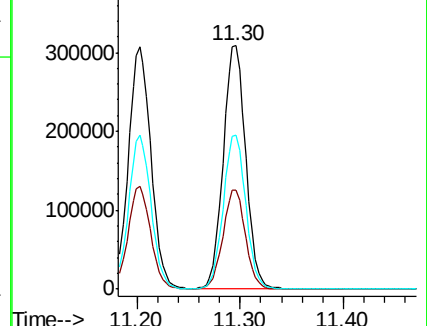
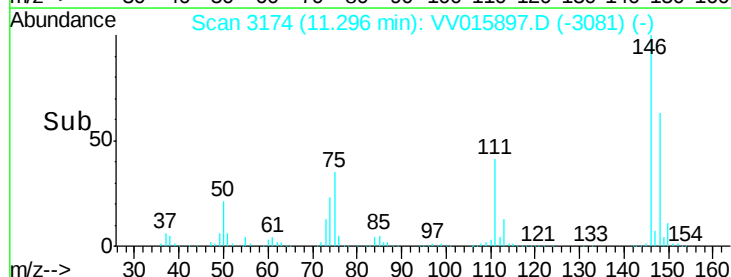
148 63.1 44.6 82.8

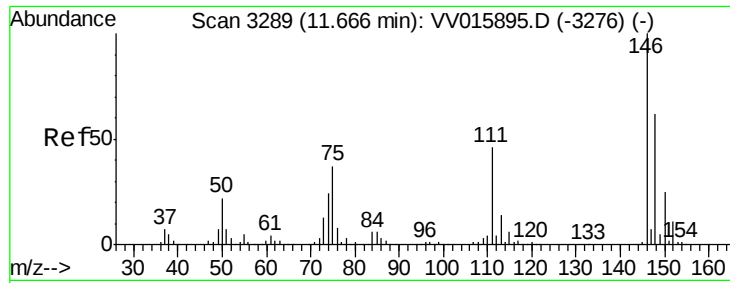


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 19.130 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV015897.D

Acq: 05 May 2020 12:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD02034

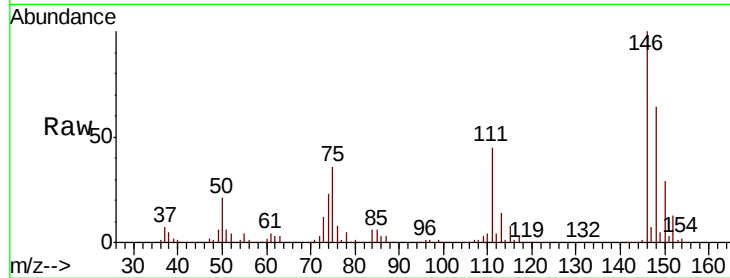
Tot Ion:146 Resp: 421137

Ion Ratio Lower Upper

146 100

111 44.5 37.0 55.4

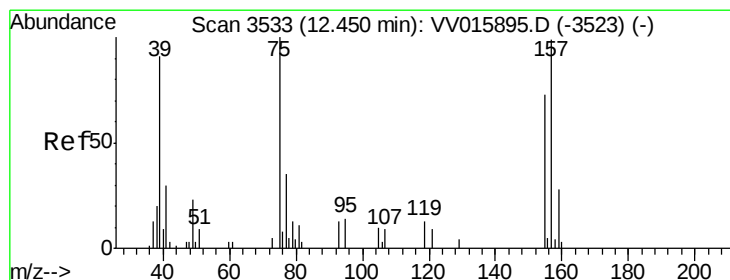
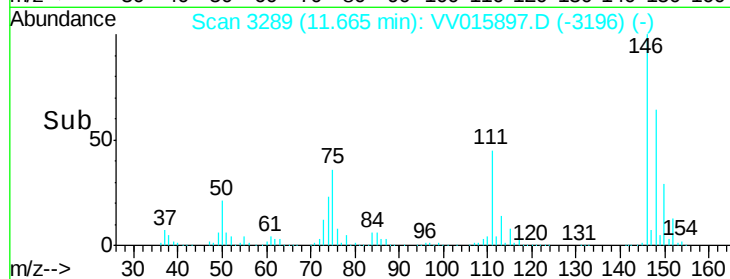
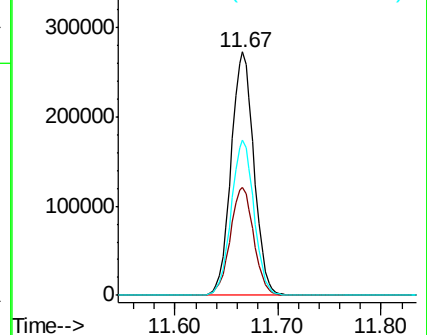
148 63.7 49.8 74.6



Abundance Ion 145.95 (145.65 to 146.65): 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: 20.926 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV015897.D

Acq: 05 May 2020 12:34

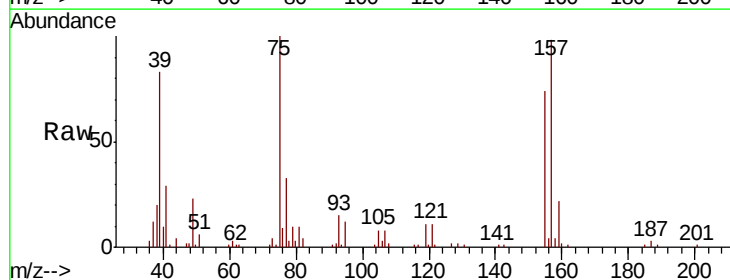
Tgt Ion: 75 Resp: 29996

Ion Ratio Lower Upper

75 100

155 73.6 58.2 87.4

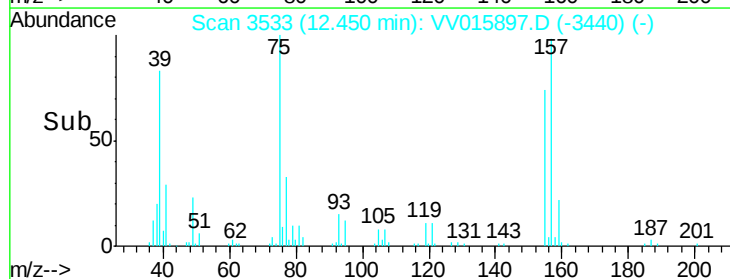
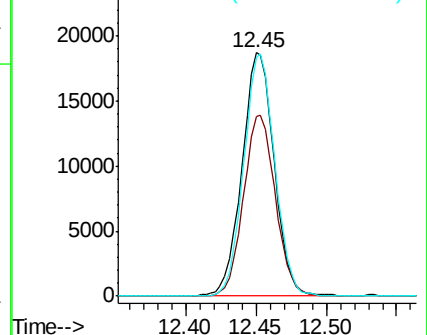
157 97.8 79.4 119.2

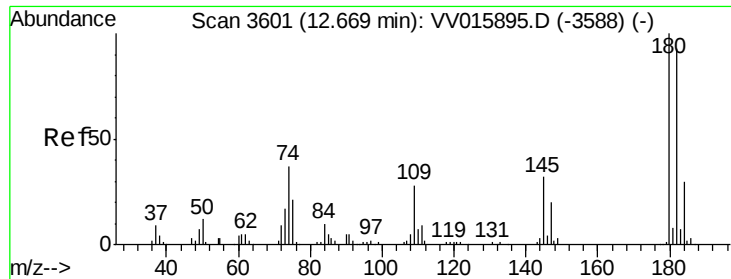


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

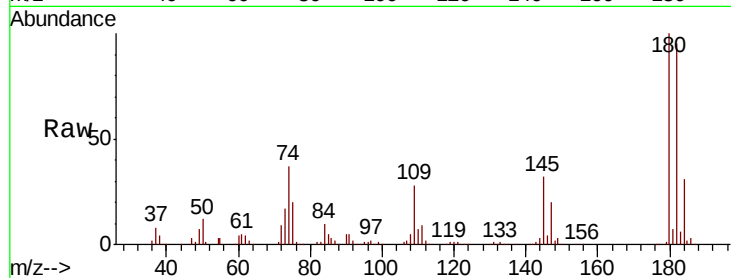




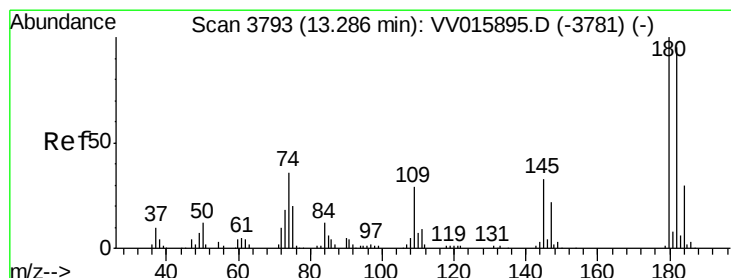
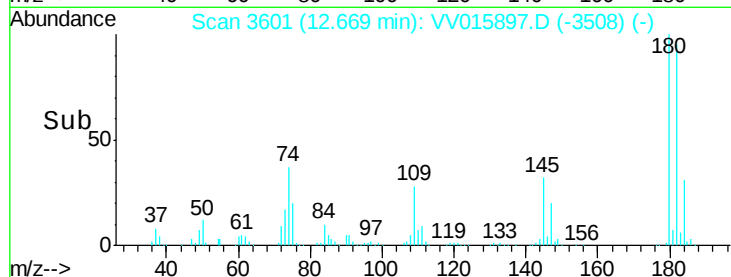
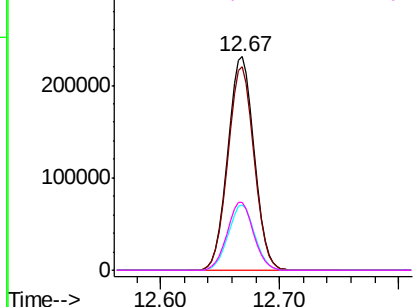
#67
 1,3,5-Trichlorobenzene
 Concen: 19.604 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015897.D
 Acq: 05 May 2020 12:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

Tot Ion:180 Resp: 354628
 Ion Ratio Lower Upper
 180 100
 182 94.7 75.8 113.6
 184 30.3 24.6 36.8
 145 31.9 26.0 39.0

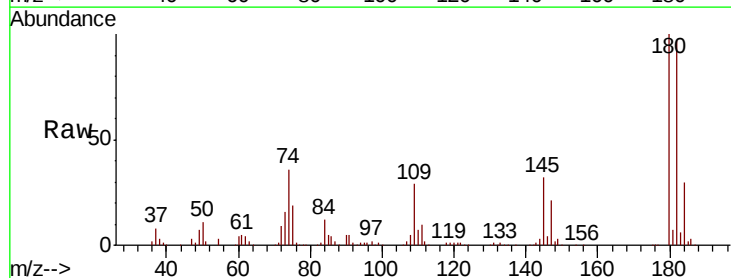


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

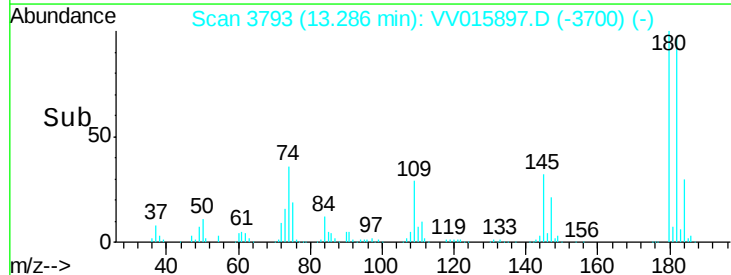
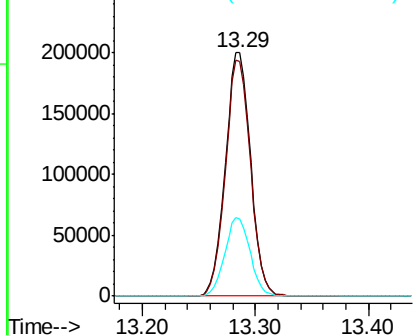


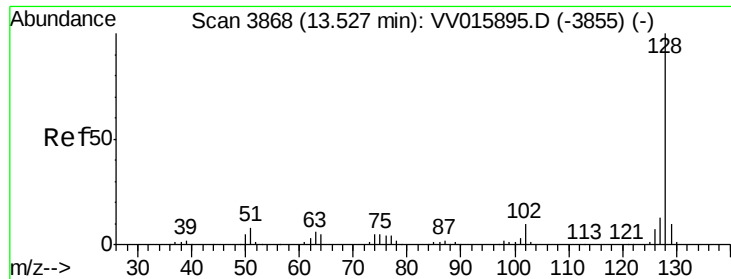
#68
 1,2,4-trichlorobenzene
 Concen: 18.971 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015897.D
 Acq: 05 May 2020 12:34

Tgt Ion:180 Resp: 310417
 Ion Ratio Lower Upper
 180 100
 182 96.2 76.7 115.1
 145 32.3 26.4 39.6



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 19.226 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV015897.D

Acq: 05 May 2020 12:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD02034

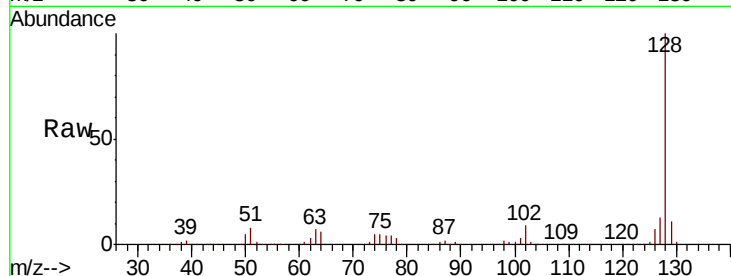
Tot Ion:128 Resp: 564609

Ion Ratio Lower Upper

128 100

129 10.8 8.5 12.7

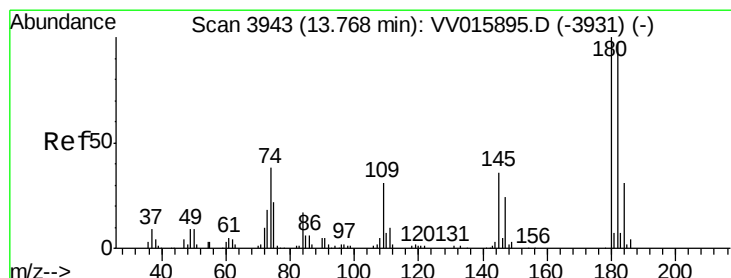
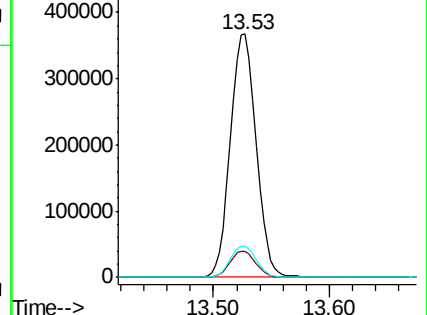
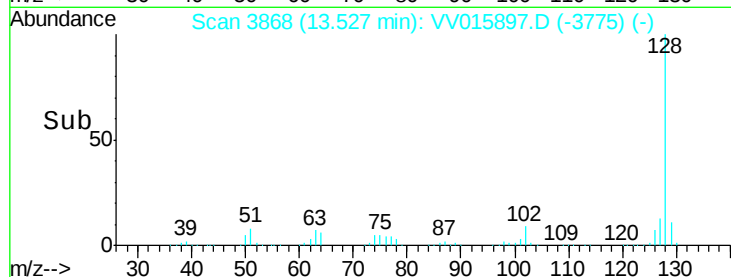
127 12.9 10.2 15.2



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: 18.745 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV015897.D

Acq: 05 May 2020 12:34

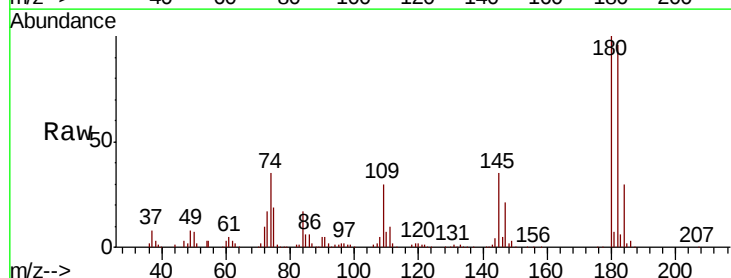
Tgt Ion:180 Resp: 272338

Ion Ratio Lower Upper

180 100

182 97.0 77.0 115.6

145 35.4 28.3 42.5



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

