

Data File : VV014428.D
Acq On : 29 Jan 2020 16:44
Operator : SY/MD
Sample : VSTD02034
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02034

Quant Time: Jan 30 00:57:05 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR012920WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jan 30 00:51:26 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	218492	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	198266	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	95530	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	260358	17.56	ug/L	0.00
7) Chloroethane-d5	1.58	69	164761	14.70	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	388772	17.97	ug/L	0.00
20) 2-Butanone-d5	3.94	46	666676	193.15	ug/L	0.00
24) Chloroform-d	4.40	84	580107	19.82	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	262081	18.22	ug/L	0.00
32) Benzene-d6	5.10	84	1220154	20.72	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	368323	20.29	ug/L	0.00
41) Toluene-d8	7.36	98	1121373	20.70	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	154973	19.54	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	574305	174.55	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.25	84	247700	19.61	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	355389	19.80	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	409472	24.700	ug/L	100
3) Chloromethane	1.25	50	301116	19.197	ug/L	99
5) Vinyl chloride	1.32	62	312234	21.135	ug/L	97
6) Bromomethane	1.54	94	121097	15.529	ug/L	99
8) Chloroethane	1.60	64	138988	16.874	ug/L	97
9) Trichlorofluoromethane	1.77	101	384867	21.526	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	211373	22.011	ug/L	97
12) 1,1-Dichloroethene	2.14	96	197905	20.965	ug/L	98
13) Acetone	2.21	43	449664	186.521	ug/L	78
14) Carbon disulfide	2.32	76	1034540	23.765	ug/L	100
15) Methyl Acetate	2.47	43	121280	22.007	ug/L	98
16) Methylene chloride	2.53	84	345033	21.609	ug/L	98
17) Methyl tert-butyl Ether	2.80	73	767295	21.894	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	354918	24.129	ug/L	99
19) 1,1-Dichloroethane	3.23	63	647395	22.658	ug/L	100
21) 2-Butanone	4.03	43	811922	223.982	ug/L	82
22) cis-1,2-Dichloroethene	3.96	96	390811	24.200	ug/L	99
23) Bromochloromethane	4.30	128	148071	24.298	ug/L	96
25) Chloroform	4.42	83	635142	23.024	ug/L	99
27) 1,2-Dichloroethane	5.18	62	353530	21.910	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	555161	23.549	ug/L	100
30) Cyclohexane	4.72	56	642858	24.687	ug/L	99
31) Carbon tetrachloride	4.87	117	484393	24.102	ug/L	98
33) Benzene	5.14	78	1461949	23.824	ug/L	100
34) Trichloroethene	5.96	95	378879	23.976	ug/L	97
35) Methylcyclohexane	6.17	83	659362	25.538	ug/L	99
37) 1,2-Dichloropropane	6.22	63	359399	23.376	ug/L	100
38) Bromodichloromethane	6.55	83	450665	22.907	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	564933	22.974	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	1951109	206.144	ug/L	99

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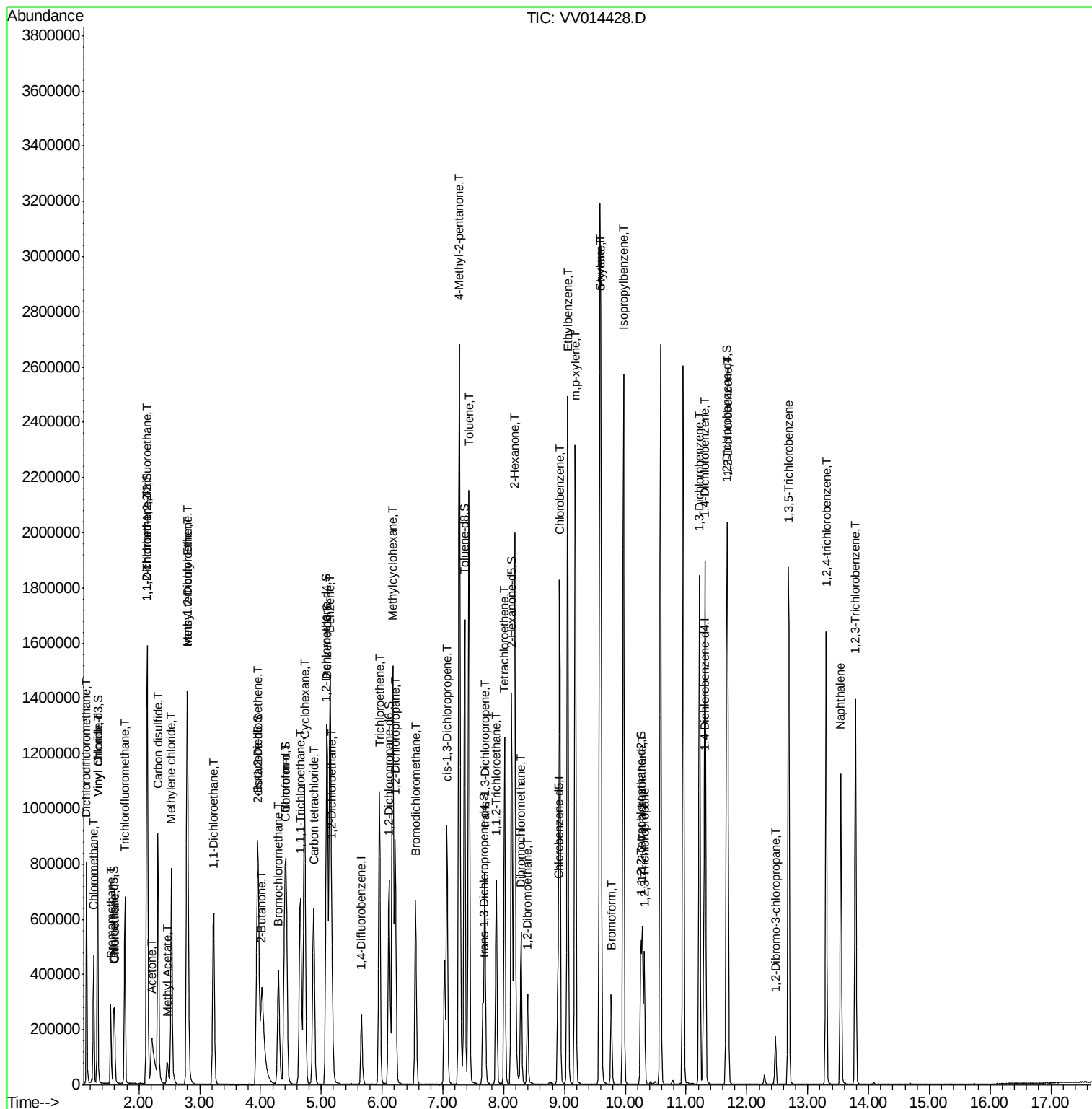
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	1545612	23.869	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	424140	22.659	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	230477	23.329	ug/L	98
47) Tetrachloroethene	8.02	164	273763	25.196	ug/L	98
48) 2-Hexanone	8.18	43	1364192	208.631	ug/L	99
49) Dibromochloromethane	8.29	129	283628	22.996	ug/L	99
50) 1,2-Dibromoethane	8.39	107	216144	22.816	ug/L	98
51) Chlorobenzene	8.92	112	953270	23.911	ug/L	99
52) Ethylbenzene	9.05	91	1736820	24.018	ug/L	99
53) m,p-xylene	9.18	106	654437	24.397	ug/L	97
54) o-xylene	9.58	106	625205	23.731	ug/L	94
55) Styrene	9.60	104	1058172	23.846	ug/L	99
56) Isopropylbenzene	9.97	105	1662062	24.255	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	273573	22.735	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	192895	21.271	ug/L	100
61) Bromoform	9.77	173	140859	22.222	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	723247	24.043	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	720901	24.119	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	644631	23.706	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	45858	19.030	ug/L	95
67) 1,3,5-Trichlorobenzene	12.68	180	547335	25.030	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	465034	24.358	ug/L	99
69) Naphthalene	13.54	128	848774	22.476	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	396436	23.707	ug/L	100

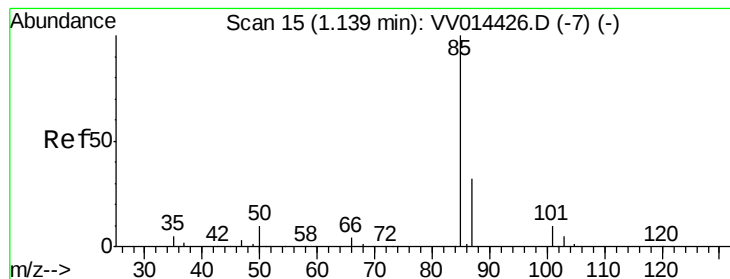
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.700 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

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Acq: 29 Jan 2020 16:44

Instrument :

MSVOA_V

ClientSampleId :

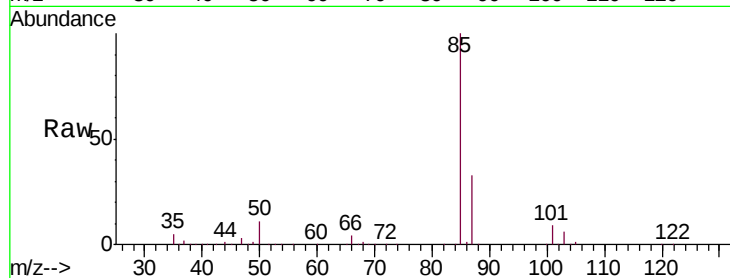
VSTD02034

Tgt Ion: 85 Resp: 409472

Ion Ratio Lower Upper

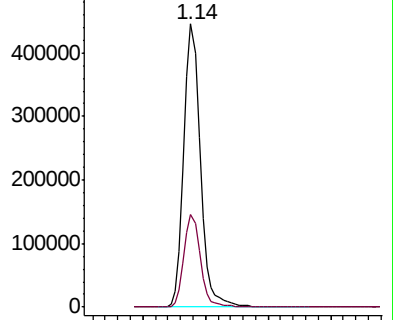
85 100

87 32.6 26.2 39.2

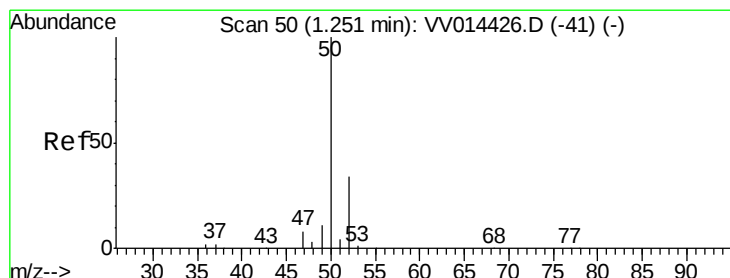
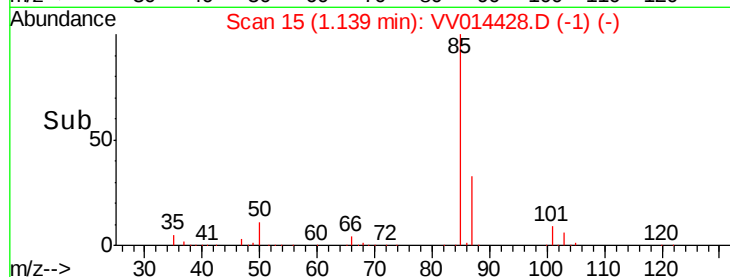


Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



Time-->



#3

Chloromethane

Concen: 19.197 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV014428.D

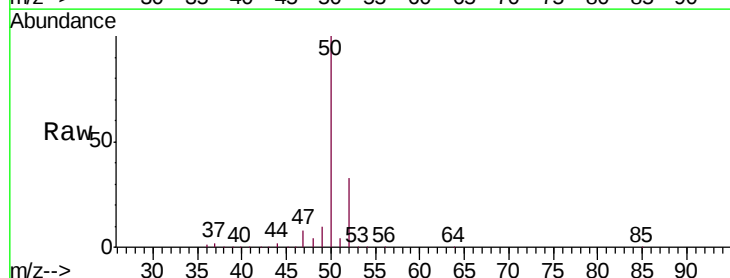
Acq: 29 Jan 2020 16:44

Tgt Ion: 50 Resp: 301116

Ion Ratio Lower Upper

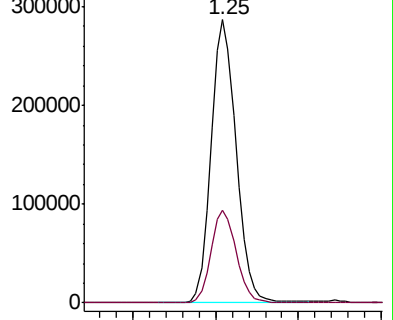
50 100

52 32.9 23.4 43.6

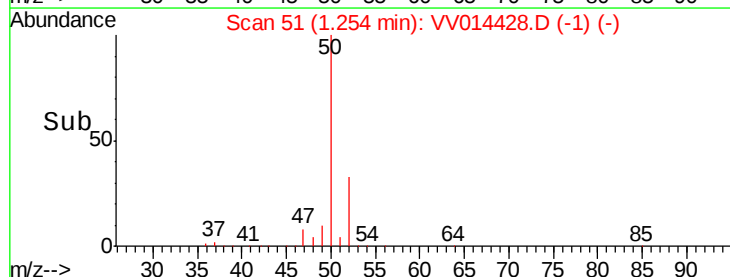


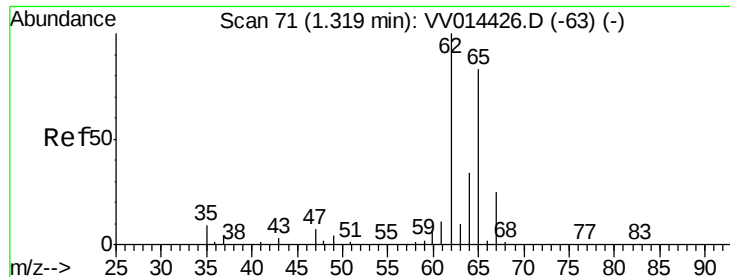
Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



Time-->





#5

Vinyl chloride

Concen: 21.135 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV014428.D

Acq: 29 Jan 2020 16:44

Instrument :

MSVOA_V

ClientSampleId :

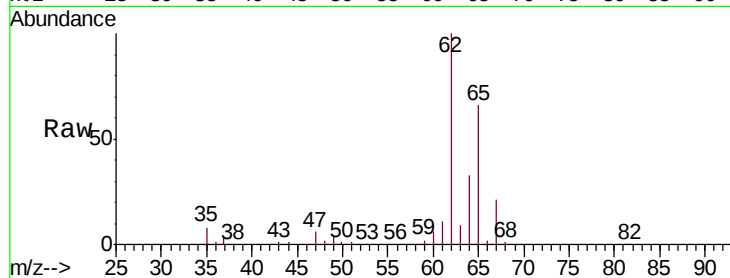
VSTD02034

Tgt Ion: 62 Resp: 312234

Ion Ratio Lower Upper

62 100

64 32.7 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VV014428.D (-63) (-)

Ion 64.10 (63.80 to 64.80): VV014428.D (-63) (-)

1.32

300000

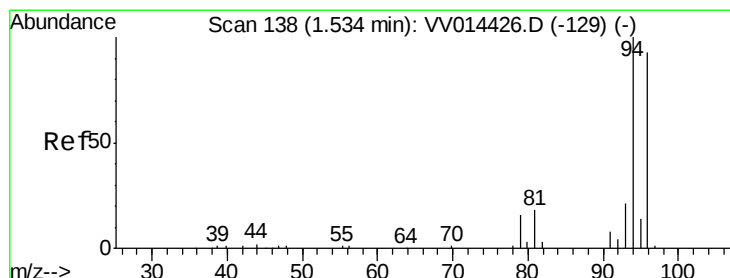
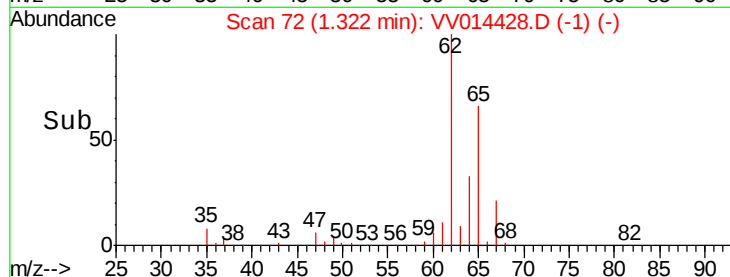
200000

100000

0

1.25 1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 15.529 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014428.D

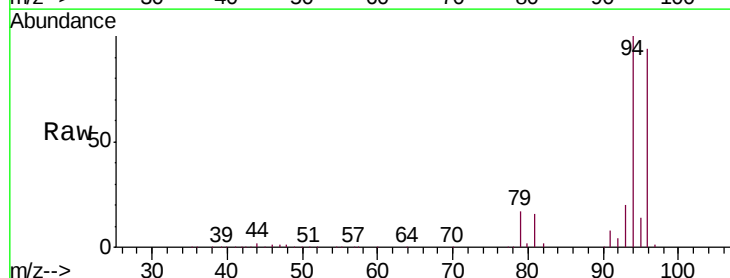
Acq: 29 Jan 2020 16:44

Tgt Ion: 94 Resp: 121097

Ion Ratio Lower Upper

94 100

96 94.1 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VV014428.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV014428.D (-129) (-)

120000

100000

80000

60000

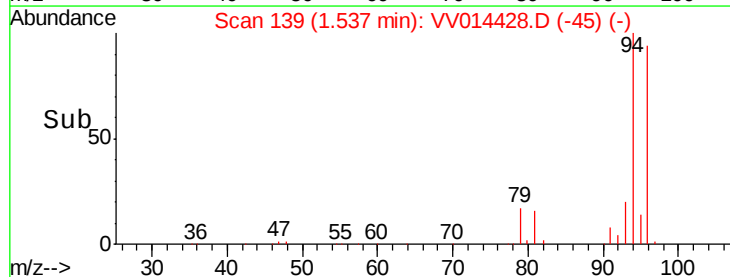
40000

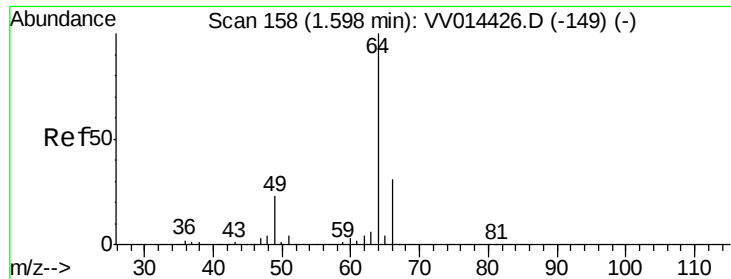
20000

0

1.45 1.50 1.55 1.60 1.65

Time-->





#8

Chloroethane

Concen: 16.874 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV014428.D

Acq: 29 Jan 2020 16:44

Instrument :

MSVOA_V

ClientSampleId :

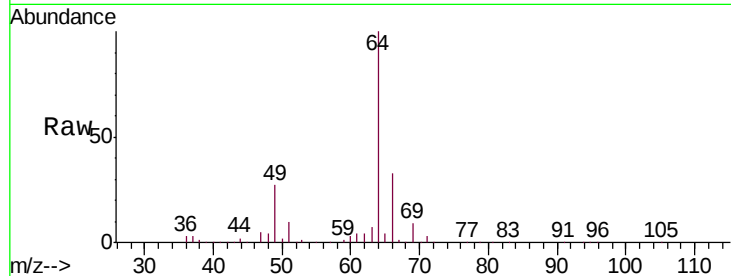
VSTD02034

Tgt Ion: 64 Resp: 138988

Ion Ratio Lower Upper

64 100

66 32.7 21.7 40.3



Abundance Ion 64.10 (63.80 to 64.80): VV014428.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV014428.D (-149) (-)

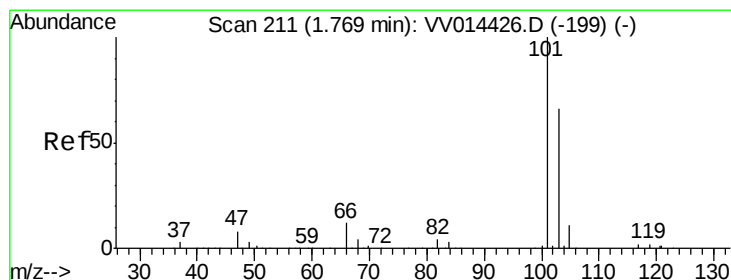
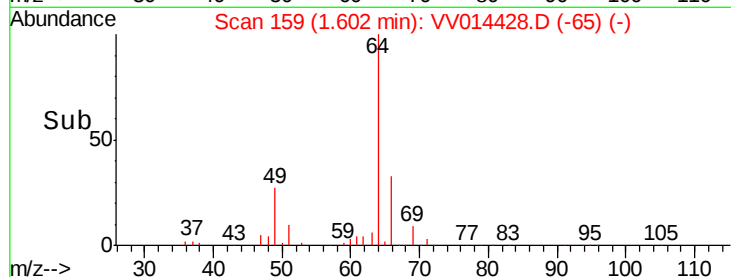
1.60

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 21.526 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV014428.D

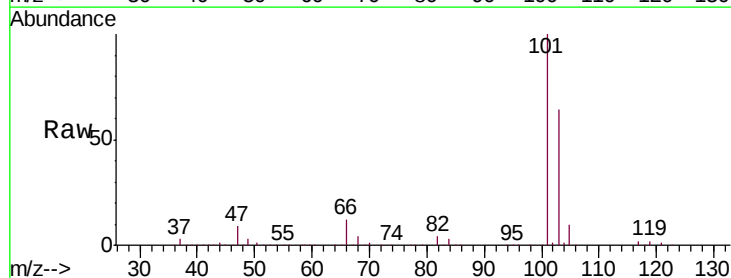
Acq: 29 Jan 2020 16:44

Tgt Ion: 101 Resp: 384867

Ion Ratio Lower Upper

101 100

103 64.6 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VV014428.D (-118) (-)

Ion 103.00 (102.70 to 103.70): VV014428.D (-118) (-)

1.77

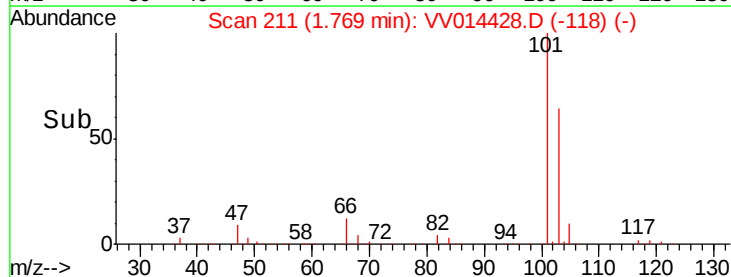
300000

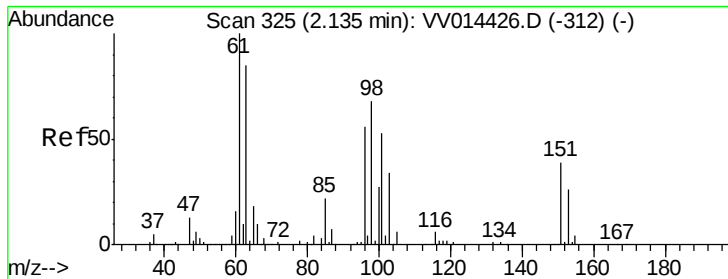
200000

100000

0

Time-->





#10

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

Concen: 22.011 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014428.D

Acq: 29 Jan 2020 16:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD02034

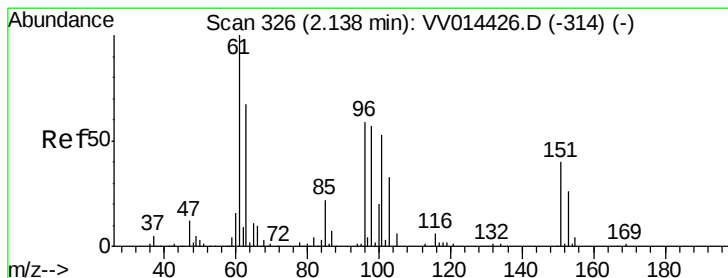
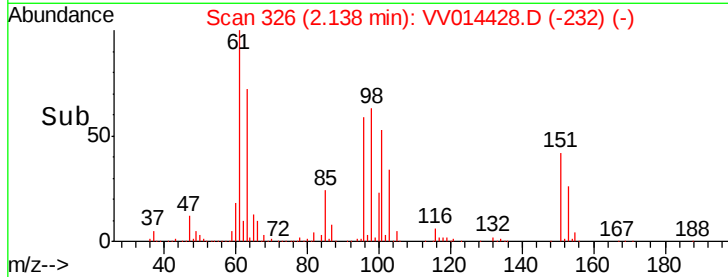
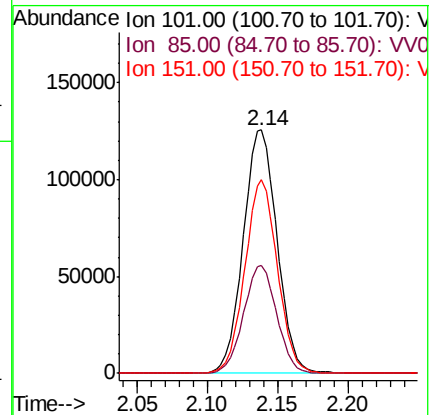
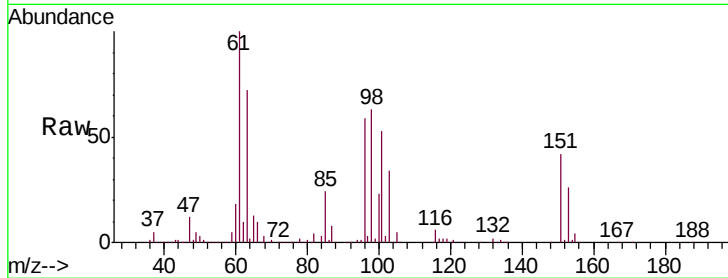
Tgt Ion: 101 Resp: 211373

Ion Ratio Lower Upper

101 100

85 43.6 33.2 49.8

151 77.0 59.6 89.4



#12

1,1-Dichloroethene

Concen: 20.965 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014428.D

Acq: 29 Jan 2020 16:44

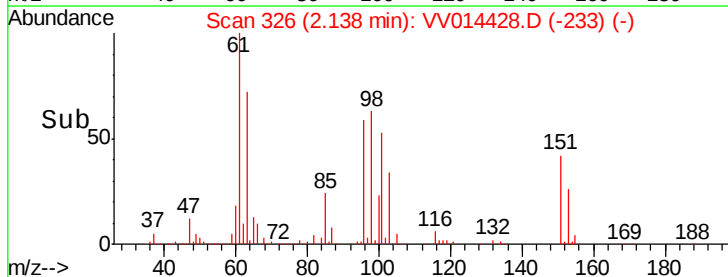
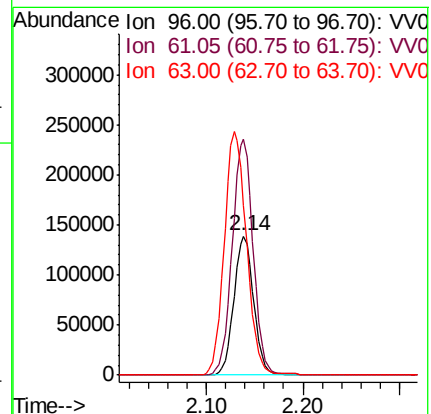
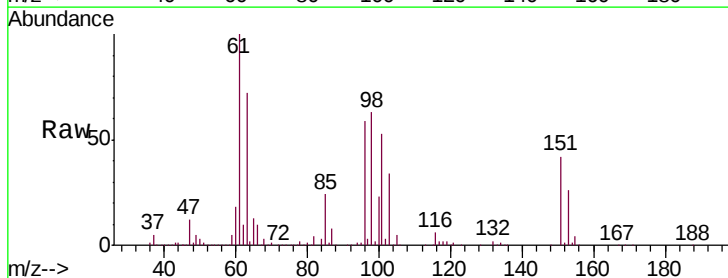
Tgt Ion: 96 Resp: 197905

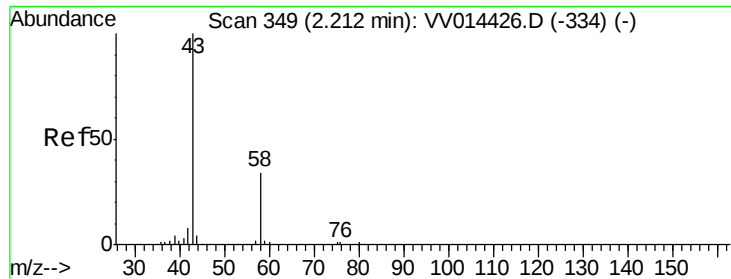
Ion Ratio Lower Upper

96 100

61 170.0 120.0 223.0

63 122.1 82.4 153.0





#13

Acetone

Concen: 186.521 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.00 min

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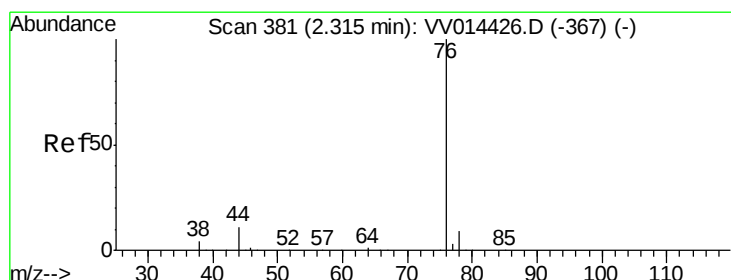
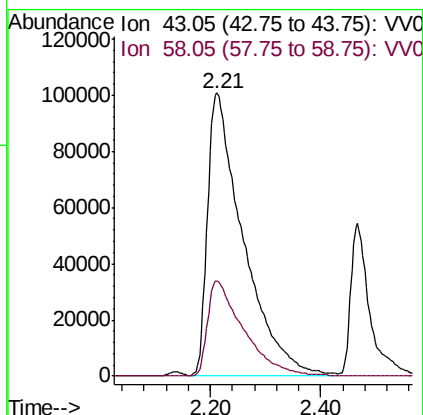
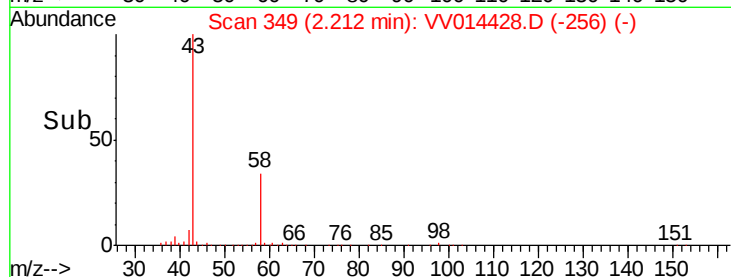
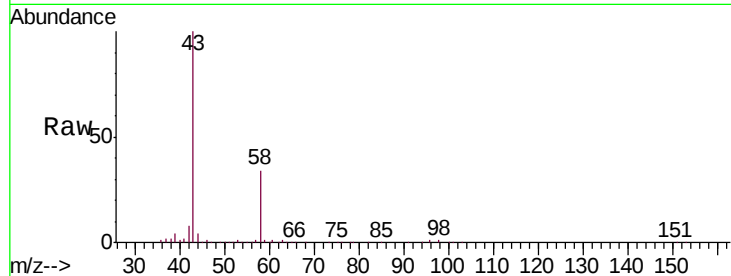
VSTD02034

Tgt Ion: 43 Resp: 449664

Ion Ratio Lower Upper

43 100

58 34.2 0.0 47.0



#14

Carbon disulfide

Concen: 23.765 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV014428.D

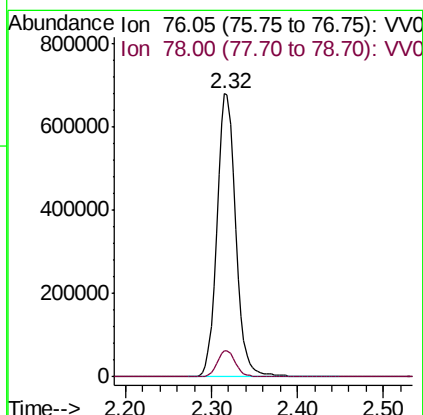
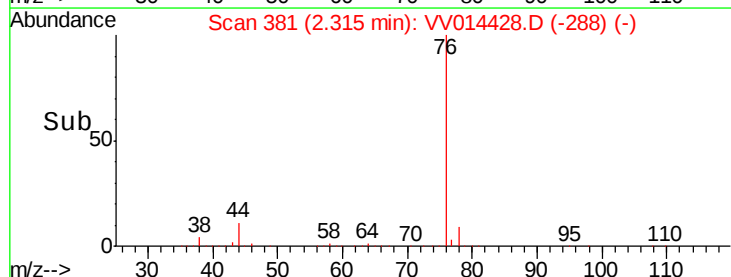
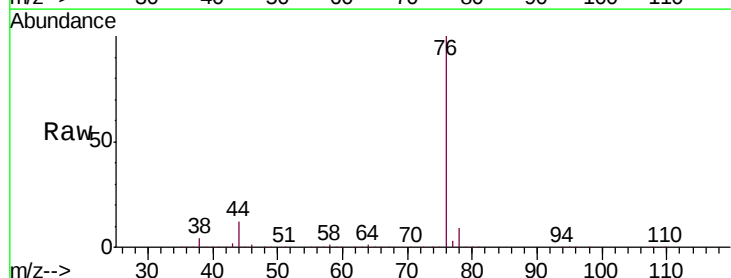
Acq: 29 Jan 2020 16:44

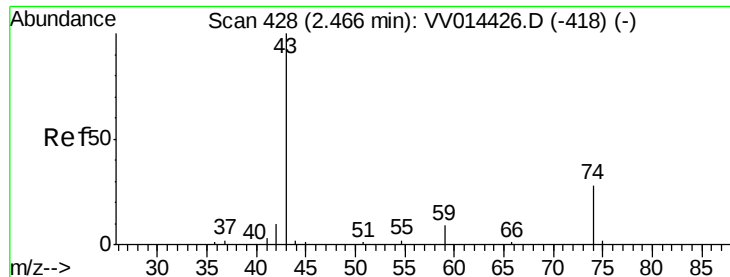
Tgt Ion: 76 Resp: 1034540

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

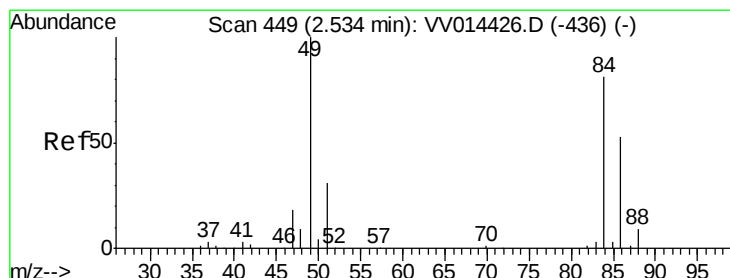
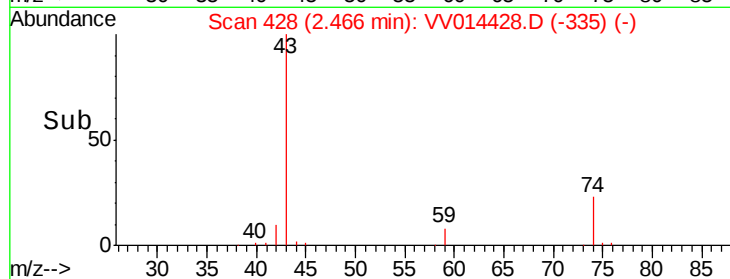
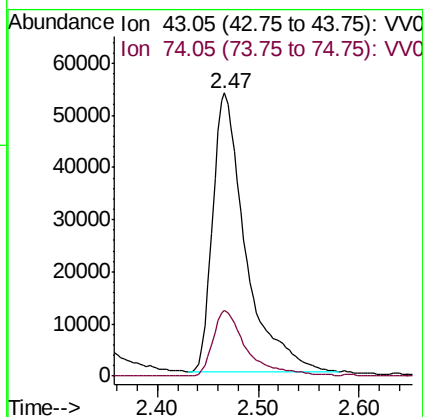
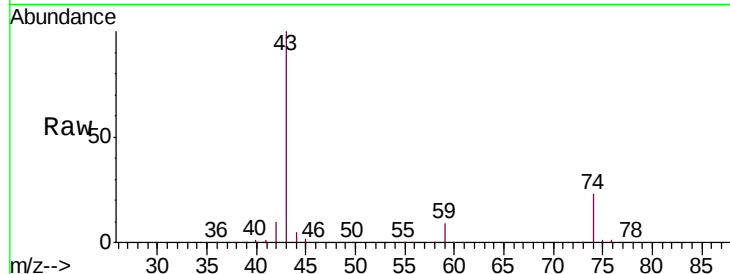




#15
Methyl Acetate
Concen: 22.007 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VV014428.D
Acq: 29 Jan 2020 16:44

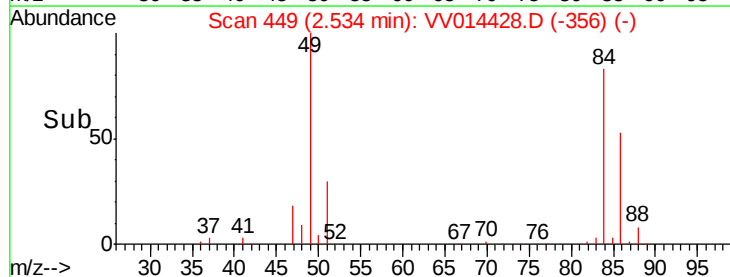
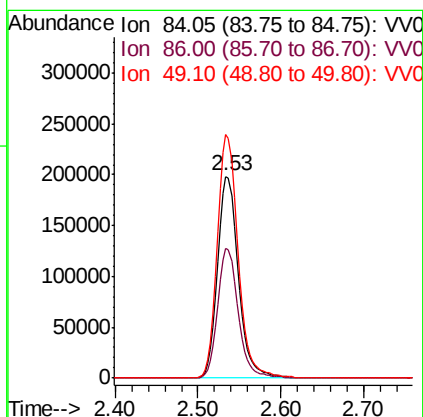
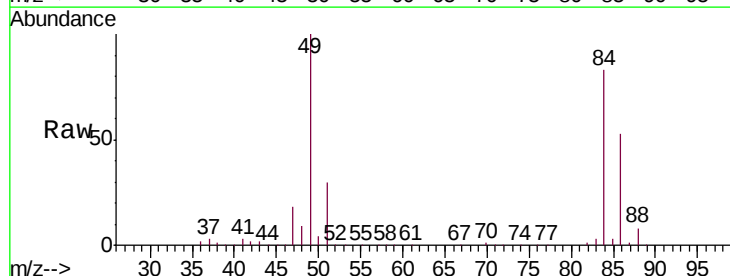
Instrument :
MSVOA_V
ClientSampleId :
VSTD02034

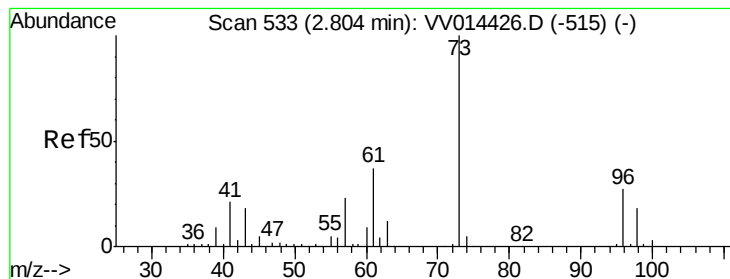
Tgt Ion: 43 Resp: 121280
Ion Ratio Lower Upper
43 100
74 24.3 18.8 28.2



#16
Methylene chloride
Concen: 21.609 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV014428.D
Acq: 29 Jan 2020 16:44

Tgt Ion: 84 Resp: 345033
Ion Ratio Lower Upper
84 100
86 64.3 45.6 84.6
49 120.7 86.1 159.9



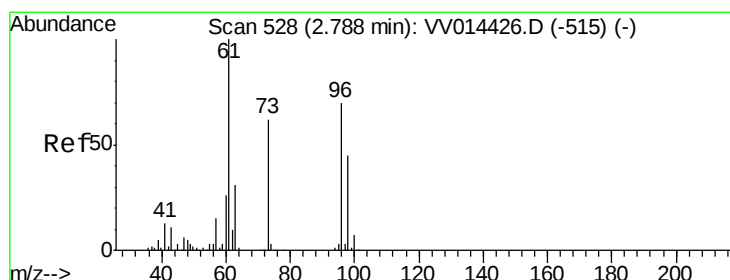
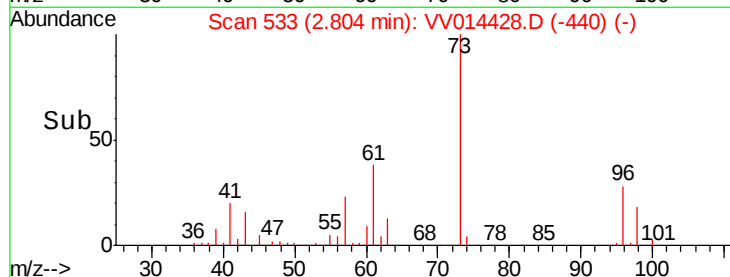
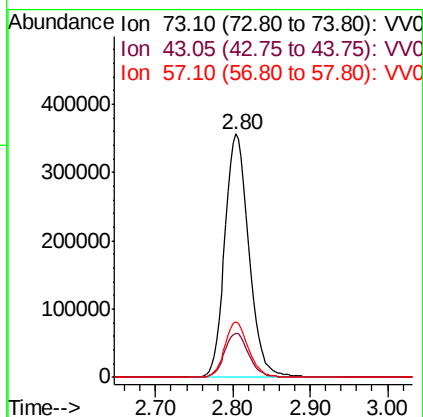
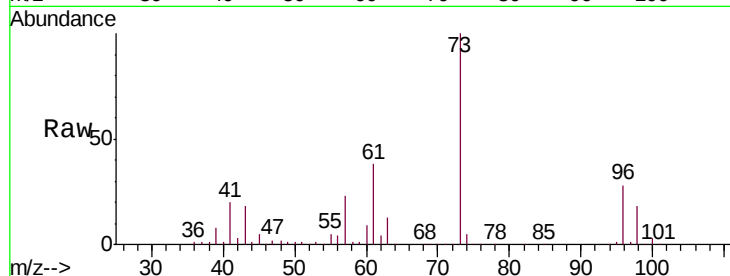


#17

Methyl tert-butyl Ether
 Concen: 21.894 ug/L
 RT: 2.80 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: VV014428.D
 Acq: 29 Jan 2020 16:44

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

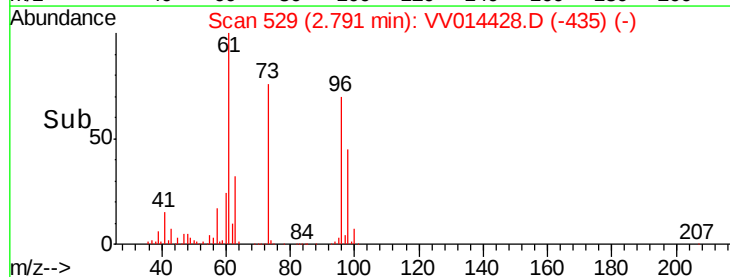
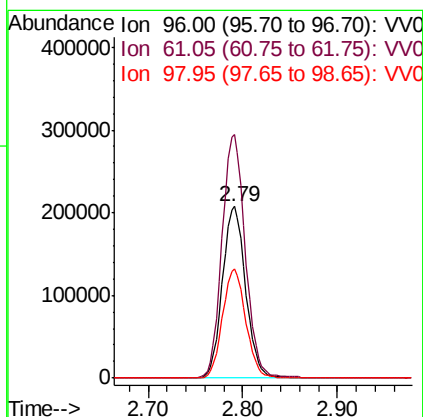
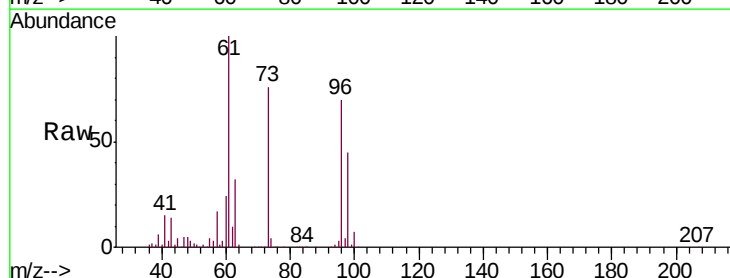
Tgt Ion:	73	Resp:	767295
Ion	Ratio	Lower	Upper
73	100		
43	18.1	14.2	21.2
57	22.6	18.5	27.7

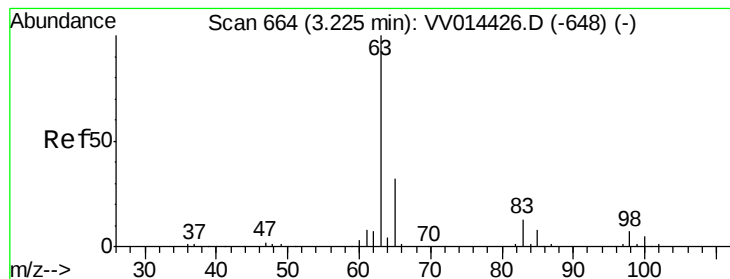


#18

trans-1,2-Dichloroethene
 Concen: 24.129 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VV014428.D
 Acq: 29 Jan 2020 16:44

Tgt Ion:	96	Resp:	354918
Ion	Ratio	Lower	Upper
96	100		
61	142.0	99.9	185.5
98	63.7	45.4	84.4





#19

1,1-Dichloroethane

Concen: 22.658 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV014428.D

Acq: 29 Jan 2020 16:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD02034

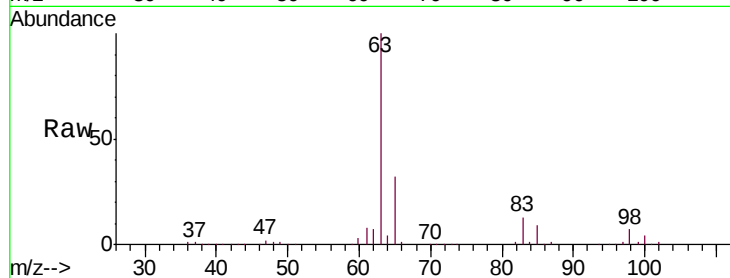
Tgt Ion: 63 Resp: 647395

Ion Ratio Lower Upper

63 100

65 32.0 22.4 41.6

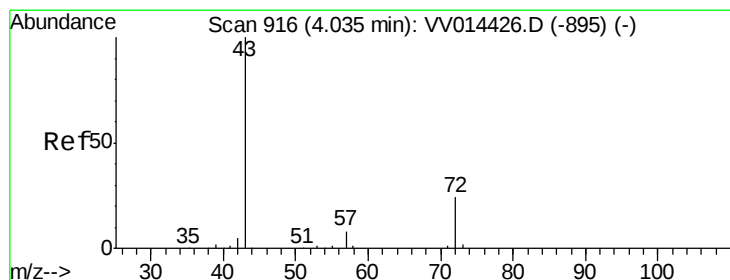
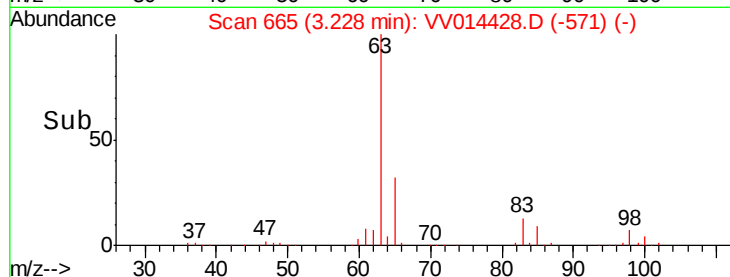
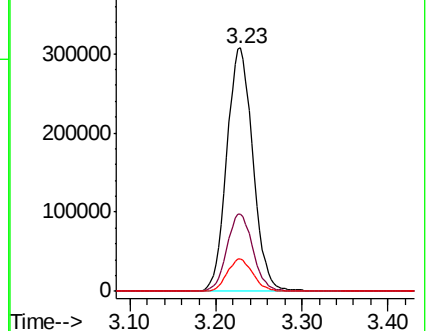
83 13.3 9.2 17.2



Abundance Ion 63.10 (62.80 to 63.80): VV014426.D (-648) (-)

Ion 65.10 (64.80 to 65.80): VV014426.D (-648) (-)

Ion 83.05 (82.75 to 83.75): VV014426.D (-648) (-)



#21

2-Butanone

Concen: 223.982 ug/L

RT: 4.03 min Scan# 913

Delta R.T. -0.01 min

Lab File: VV014428.D

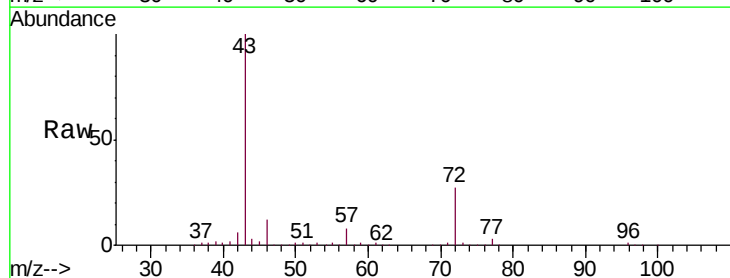
Acq: 29 Jan 2020 16:44

Tgt Ion: 43 Resp: 811922

Ion Ratio Lower Upper

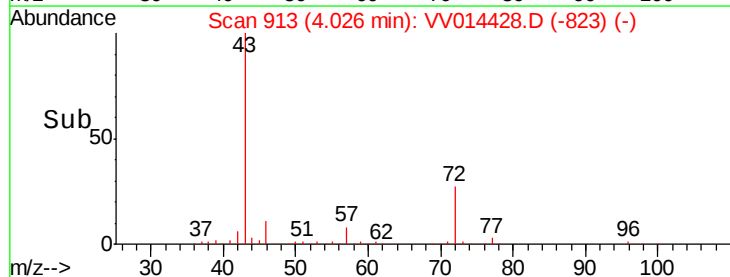
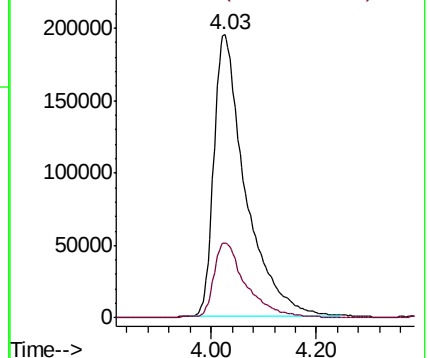
43 100

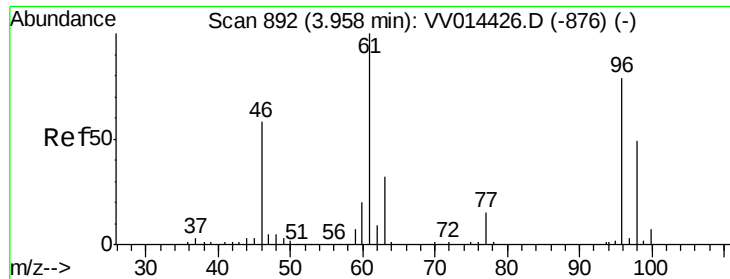
72 26.5 9.2 27.6



Abundance Ion 43.00 (42.70 to 43.70): VV014426.D (-895) (-)

Ion 72.00 (71.70 to 72.70): VV014426.D (-895) (-)



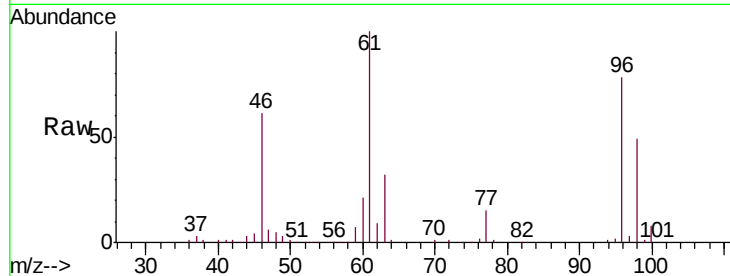


#22

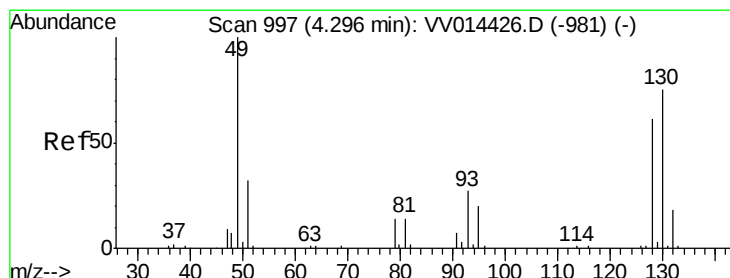
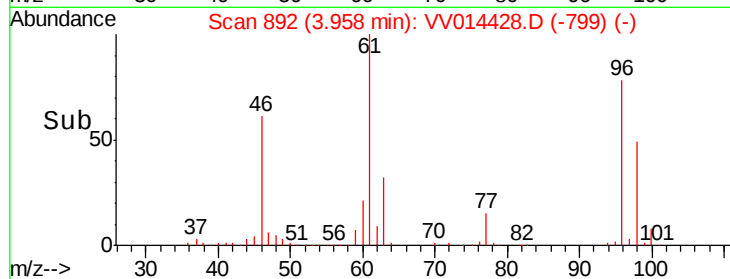
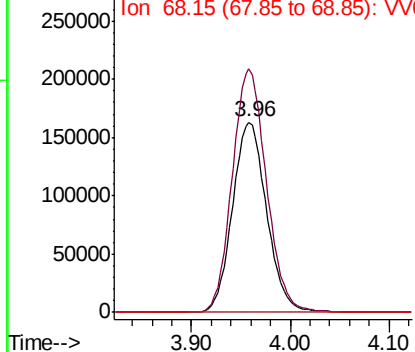
cis-1,2-Dichloroethene
 Concen: 24.200 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV014428.D
 Acq: 29 Jan 2020 16:44

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

Tgt Ion: 96 Resp: 390811
 Ion Ratio Lower Upper
 96 100
 61 128.0 88.5 164.4
 68 0.0 0.0 0.0



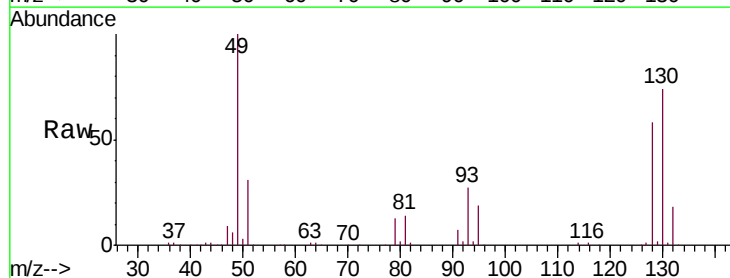
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



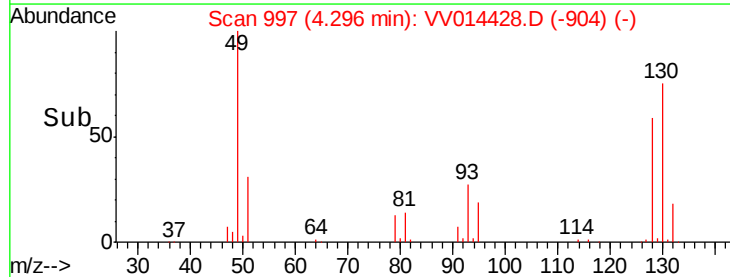
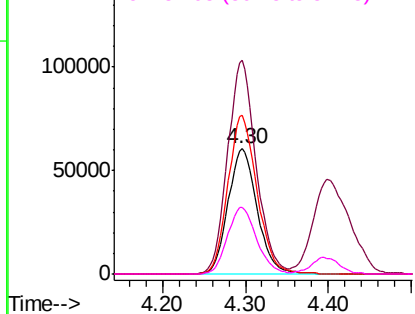
#23

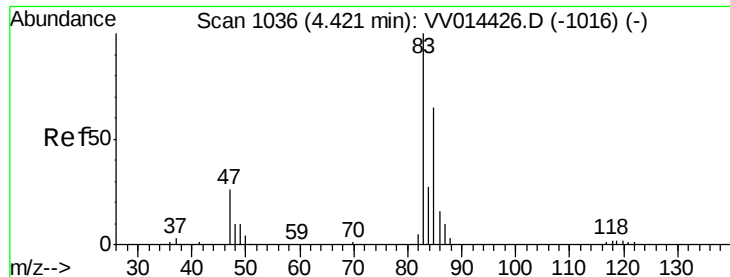
Bromochloromethane
 Concen: 24.298 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV014428.D
 Acq: 29 Jan 2020 16:44

Tgt Ion: 128 Resp: 148071
 Ion Ratio Lower Upper
 128 100
 49 171.0 114.9 213.5
 130 126.7 85.7 159.1
 51 53.3 42.6 64.0



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

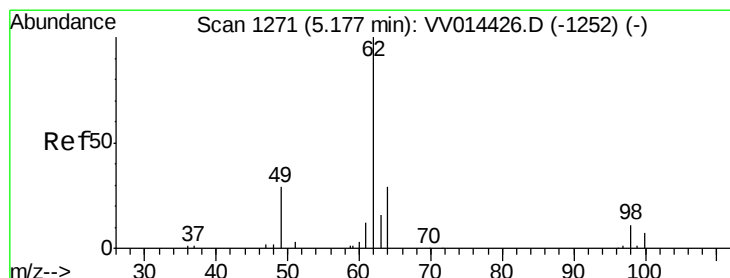
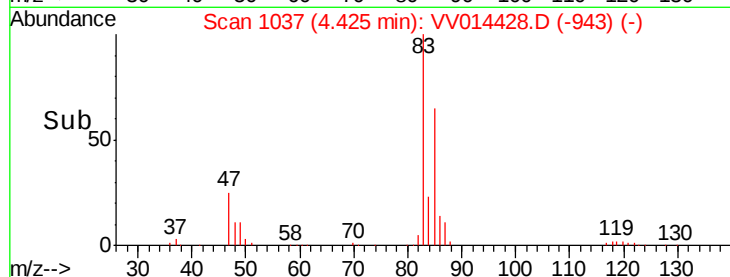
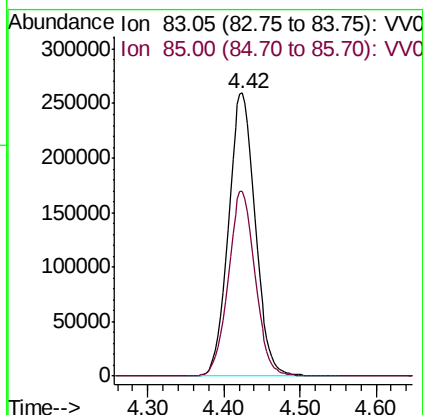
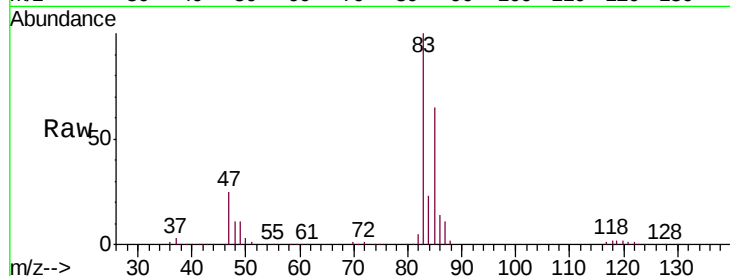




#25
Chloroform
Concen: 23.024 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV014428.D
Acq: 29 Jan 2020 16:44

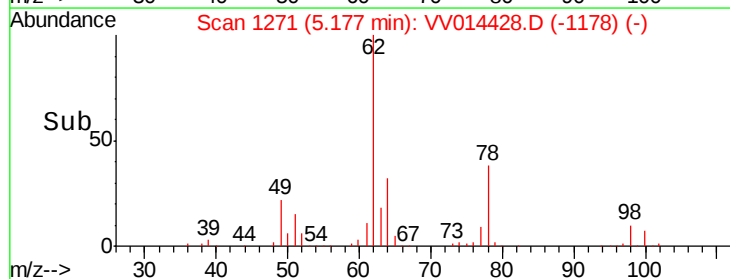
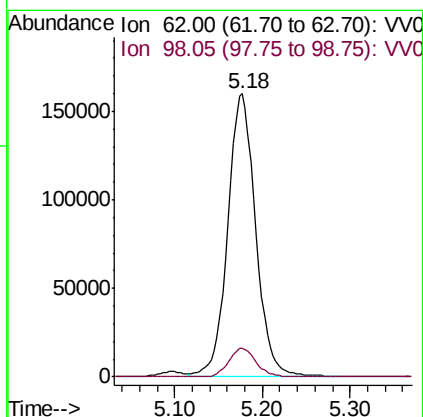
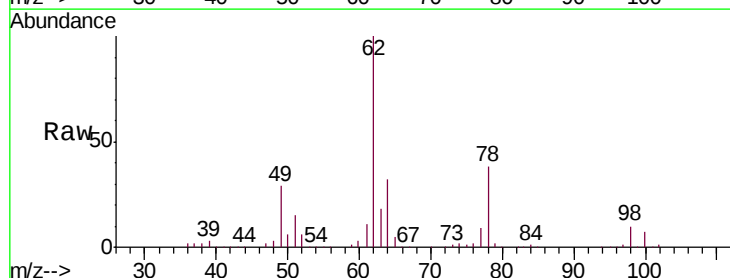
Instrument :
MSVOA_V
ClientSampleId :
VSTD02034

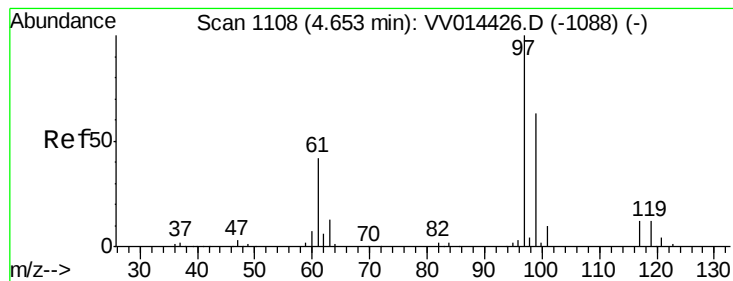
Tgt Ion: 83 Resp: 635142
Ion Ratio Lower Upper
83 100
85 65.1 45.9 85.3



#27
1,2-Dichloroethane
Concen: 21.910 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV014428.D
Acq: 29 Jan 2020 16:44

Tgt Ion: 62 Resp: 353530
Ion Ratio Lower Upper
62 100
98 10.1 8.5 12.7





#29

1,1,1-Trichloroethane

Concen: 23.549 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV014428.D

Acq: 29 Jan 2020 16:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD02034

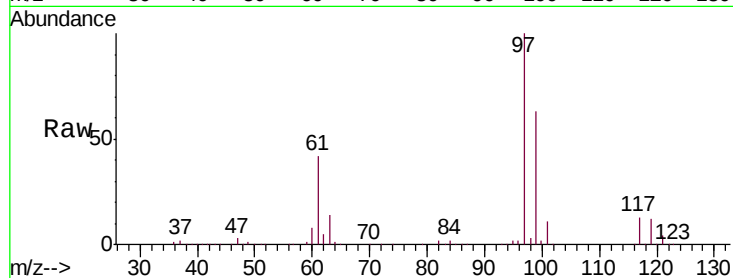
Tgt Ion: 97 Resp: 555161

Ion Ratio Lower Upper

97 100

99 64.1 51.1 76.7

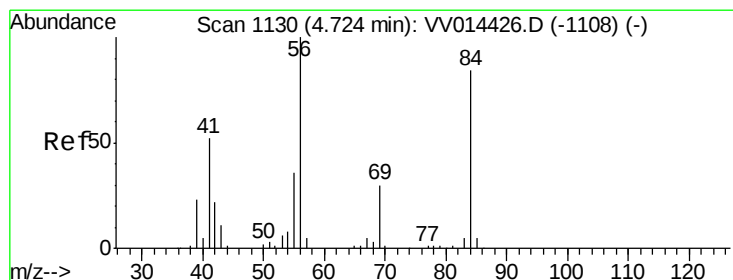
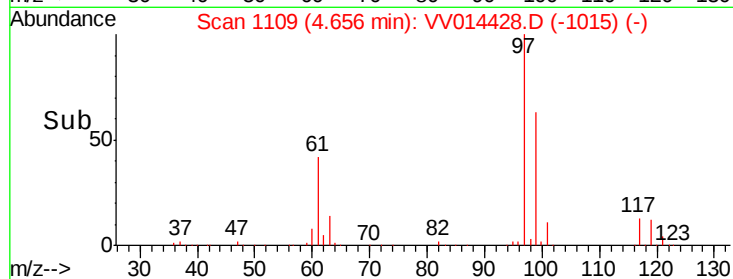
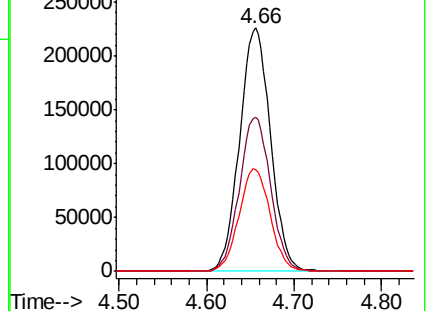
61 42.5 34.2 51.2



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 24.687 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV014428.D

Acq: 29 Jan 2020 16:44

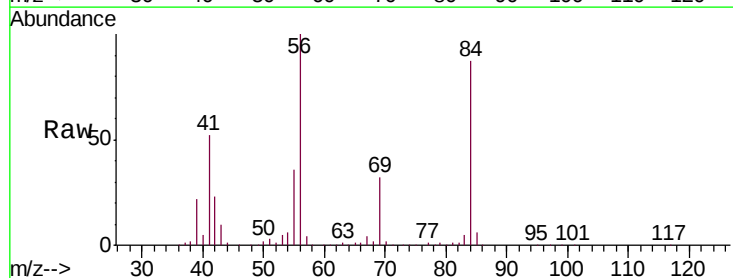
Tgt Ion: 56 Resp: 642858

Ion Ratio Lower Upper

56 100

69 31.1 24.1 36.1

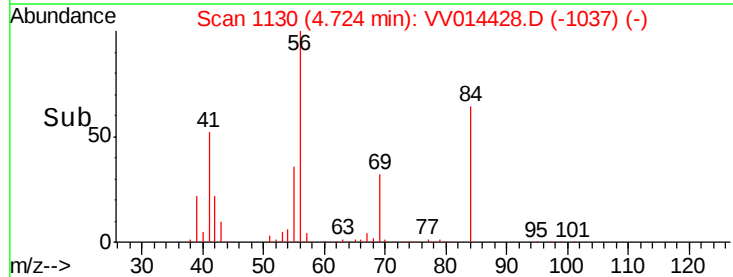
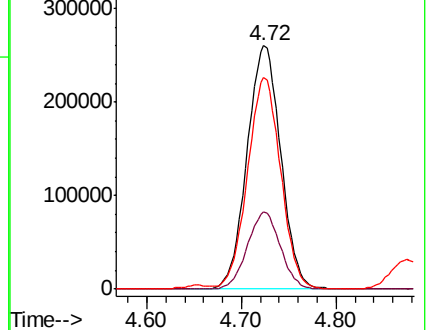
84 86.0 68.8 103.2

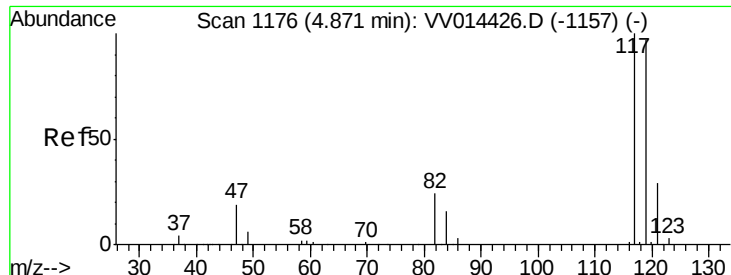


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 24.102 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV014428.D

Acq: 29 Jan 2020 16:44

Instrument :

MSVOA_V

ClientSampleId :

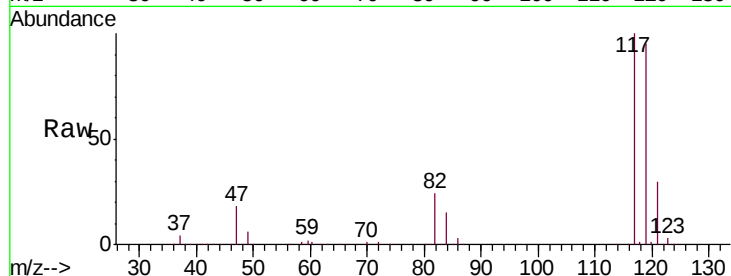
VSTD02034

Tgt Ion:117 Resp: 484393

Ion Ratio Lower Upper

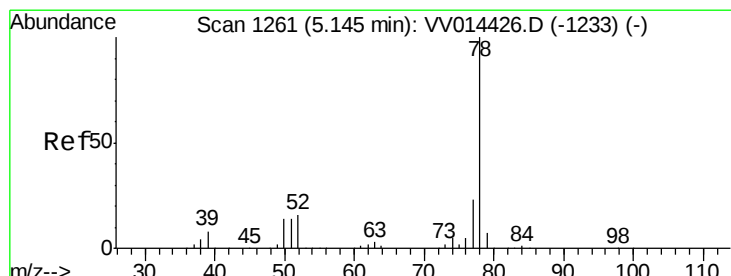
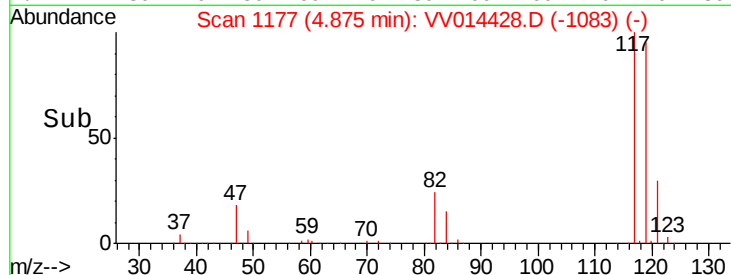
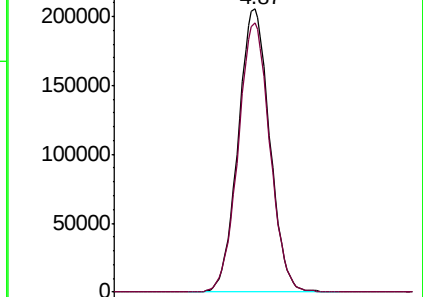
117 100

119 95.3 77.5 116.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 23.824 ug/L

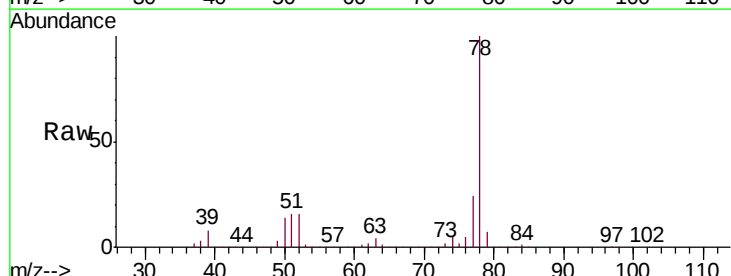
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV014428.D

Acq: 29 Jan 2020 16:44

Tgt Ion: 78 Resp: 1461949



Abundance Ion 78.10 (77.80 to 78.80): VV0

800000

600000

400000

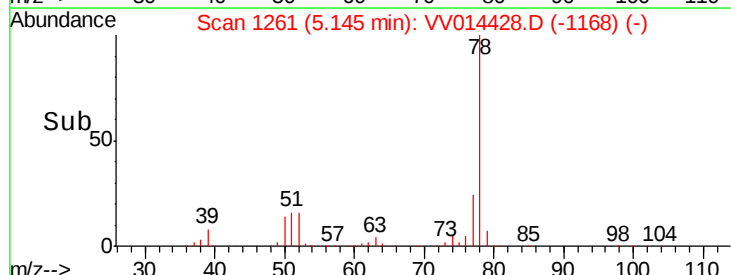
200000

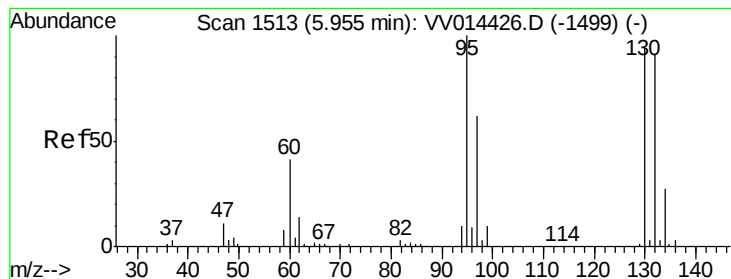
0

5.00 5.10 5.20 5.30

Time-->

Chromatogram showing abundance (0 to 800,000) versus time (5.00 to 5.30 minutes). A single sharp peak is labeled at 5.14 minutes.





#34

Trichloroethene

Concen: 23.976 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV014428.D

Acq: 29 Jan 2020 16:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD02034

Tgt Ion: 95 Resp: 378879

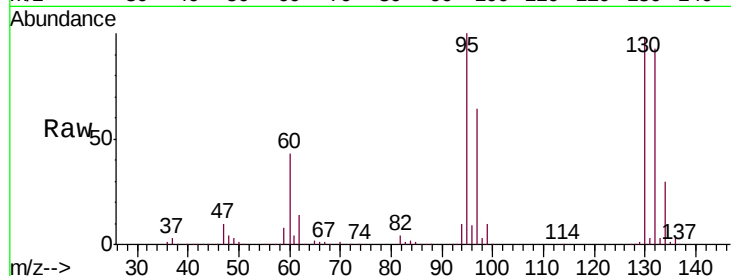
Ion Ratio Lower Upper

95 100

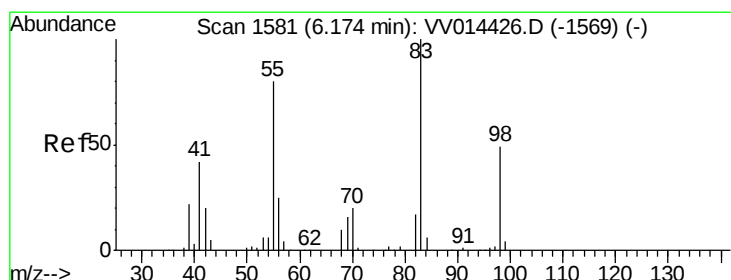
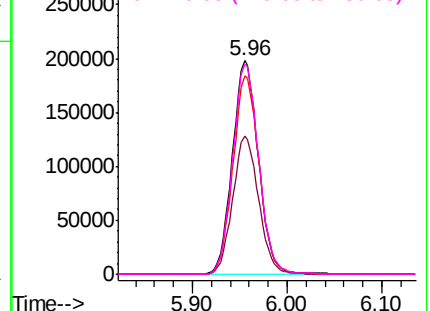
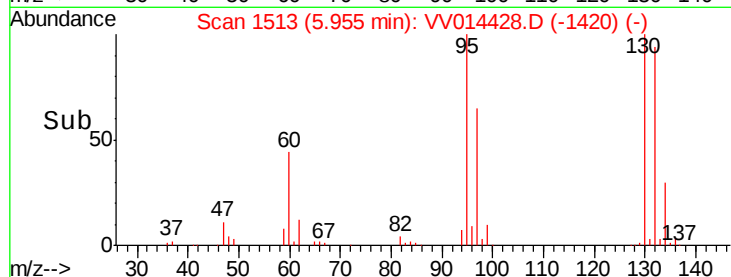
97 64.5 43.6 81.0

132 92.9 63.3 117.7

130 98.4 66.0 122.6



Abundance Ion 95.00 (94.70 to 95.70): VV014428.D (-1420) (-)



#35

Methylcyclohexane

Concen: 25.538 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV014428.D

Acq: 29 Jan 2020 16:44

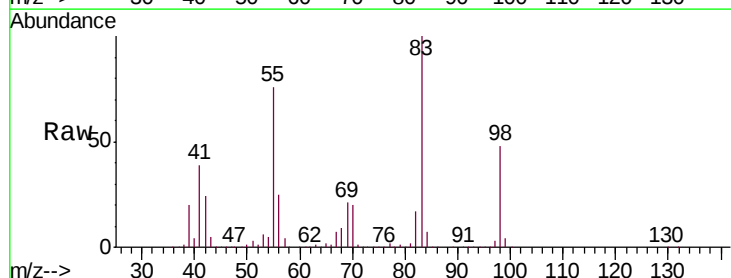
Tgt Ion: 83 Resp: 659362

Ion Ratio Lower Upper

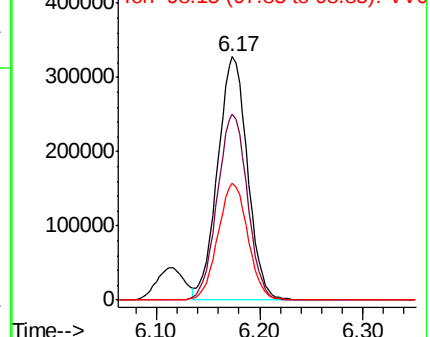
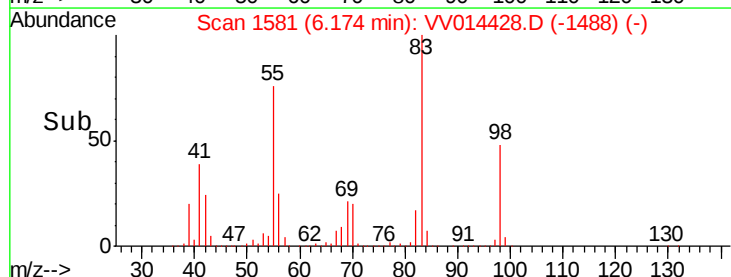
83 100

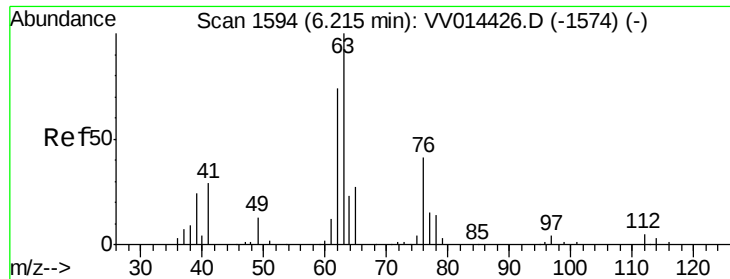
55 76.9 61.3 91.9

98 48.3 37.5 56.3



Abundance Ion 83.15 (82.85 to 83.85): VV014428.D (-1488) (-)

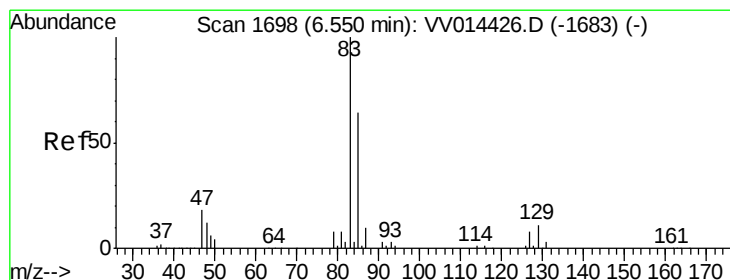
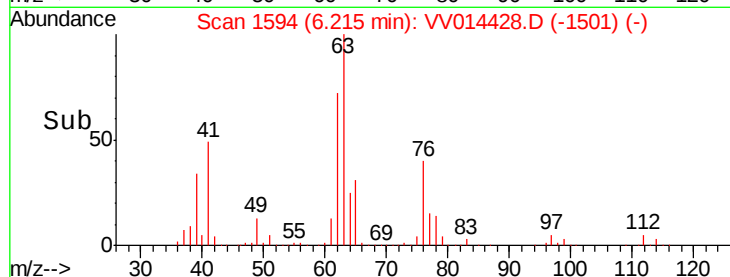
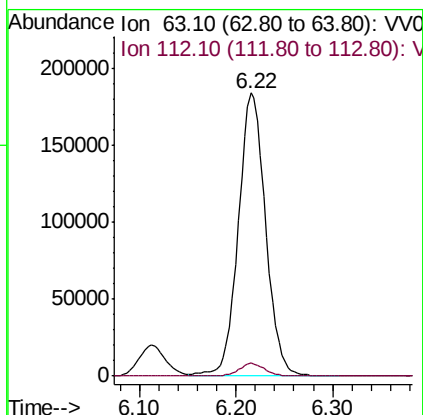
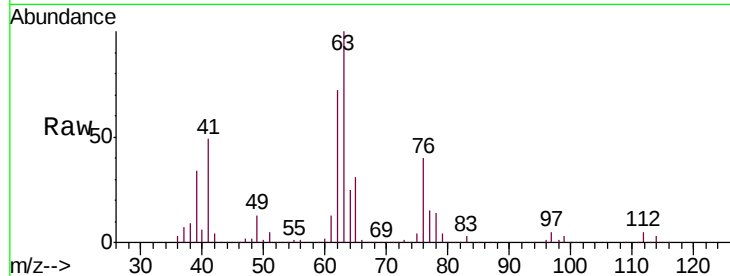




#37
 1,2-Dichloropropane
 Concen: 23.376 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: VV014428.D
 Acq: 29 Jan 2020 16:44

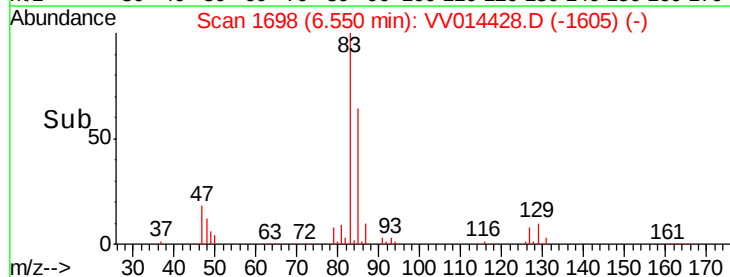
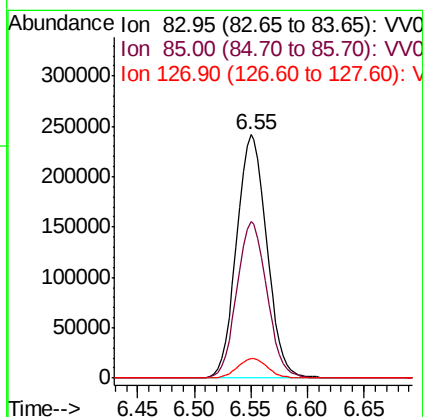
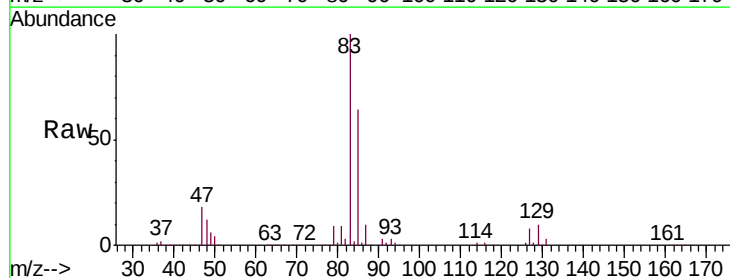
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

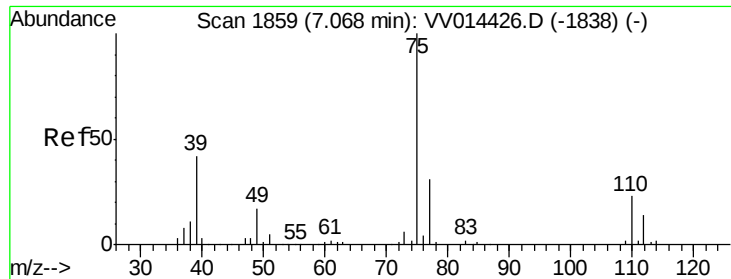
Tgt Ion: 63 Resp: 359399
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.5 5.3



#38
 Bromodichloromethane
 Concen: 22.907 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV014428.D
 Acq: 29 Jan 2020 16:44

Tgt Ion: 83 Resp: 450665
 Ion Ratio Lower Upper
 83 100
 85 64.4 44.5 82.7
 127 8.2 6.6 10.0

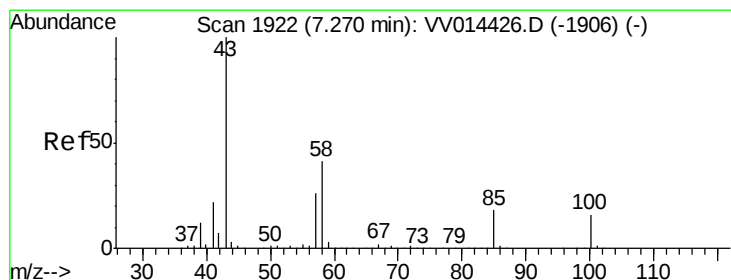
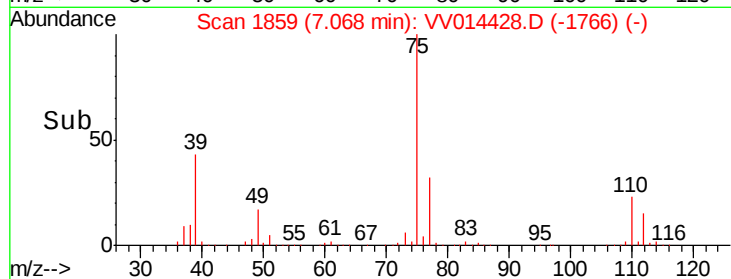
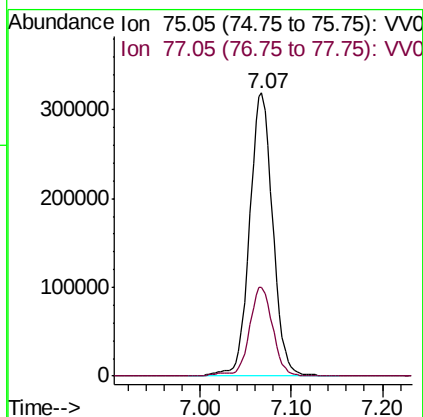
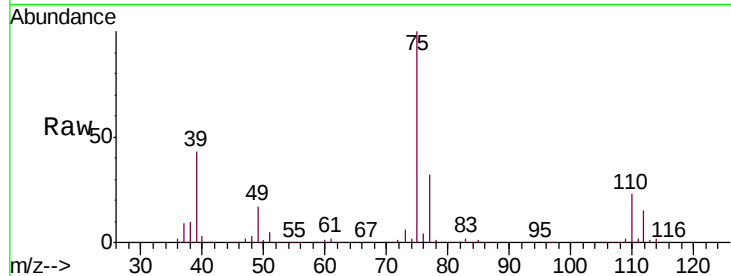




#39
 cis-1,3-Dichloropropene
 Concen: 22.974 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV014428.D
 Acq: 29 Jan 2020 16:44

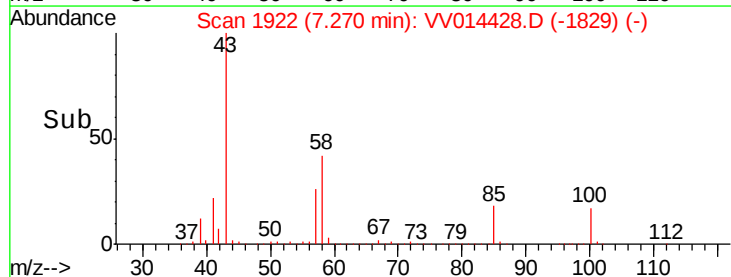
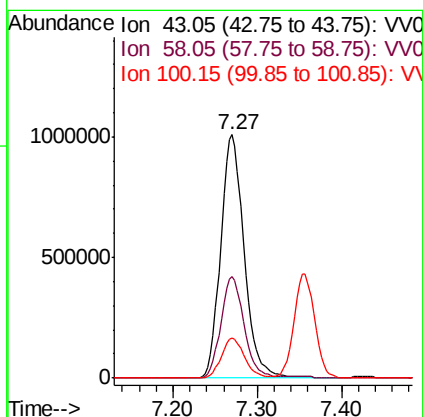
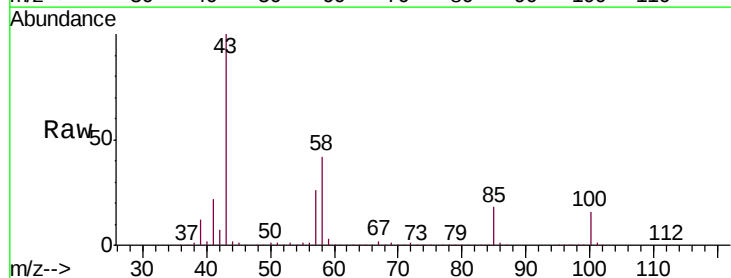
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

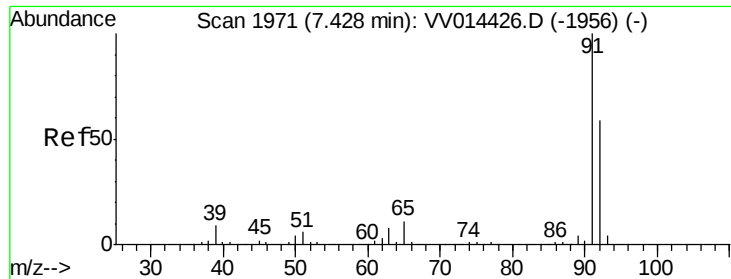
Tgt Ion: 75 Resp: 564933
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 206.144 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VV014428.D
 Acq: 29 Jan 2020 16:44

Tgt Ion: 43 Resp: 1951109
 Ion Ratio Lower Upper
 43 100
 58 41.3 33.1 49.7
 100 16.2 12.1 18.1





#42

Toluene

Concen: 23.869 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014428.D

Acq: 29 Jan 2020 16:44

Instrument :

MSVOA_V

ClientSampleId :

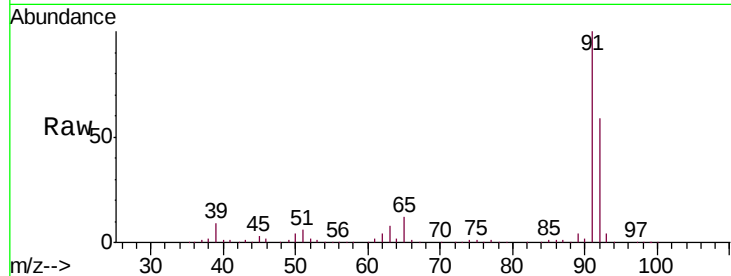
VSTD02034

Tgt Ion: 91 Resp: 1545612

Ion Ratio Lower Upper

91 100

92 59.1 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV014426.D (-1956) (-)

Ion 92.15 (91.85 to 92.85): VV014426.D (-1956) (-)

7.43

800000

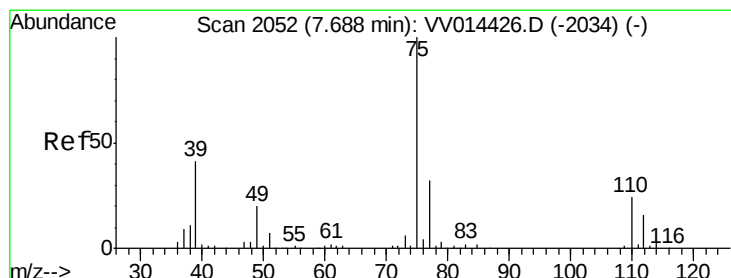
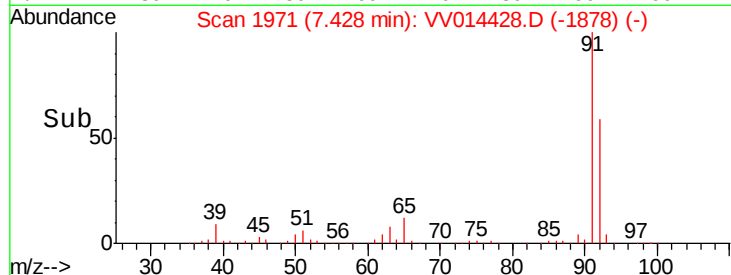
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 22.659 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014428.D

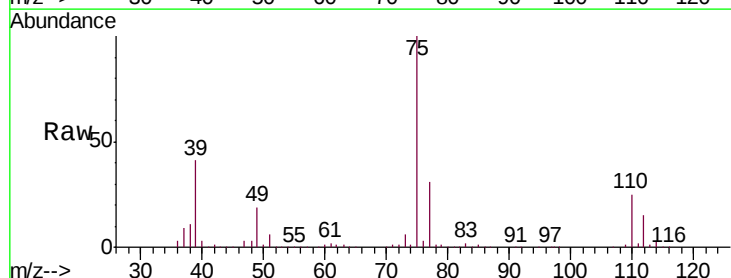
Acq: 29 Jan 2020 16:44

Tgt Ion: 75 Resp: 424140

Ion Ratio Lower Upper

75 100

77 31.4 22.0 41.0



Abundance Ion 75.05 (74.75 to 75.75): VV014426.D (-2034) (-)

Ion 77.05 (76.75 to 77.75): VV014426.D (-2034) (-)

7.69

300000

250000

200000

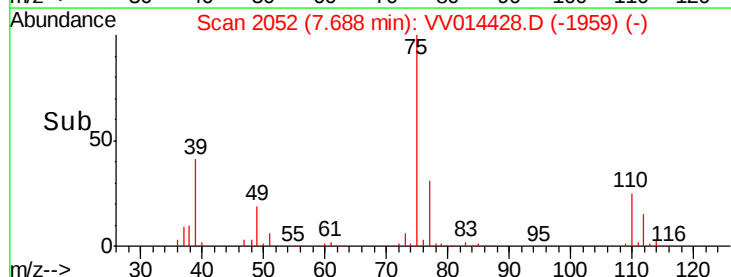
150000

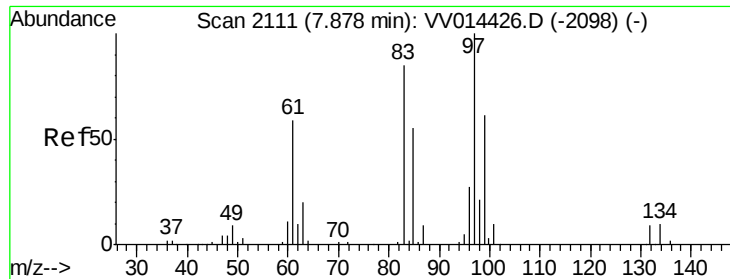
100000

50000

0

Time-->

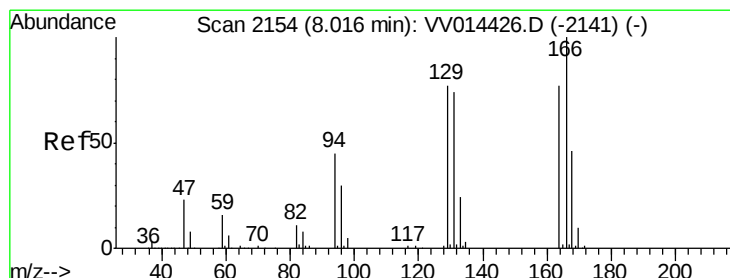
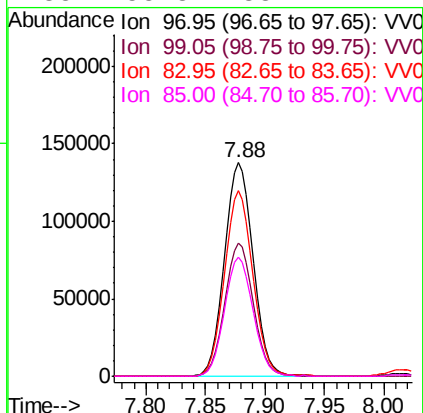
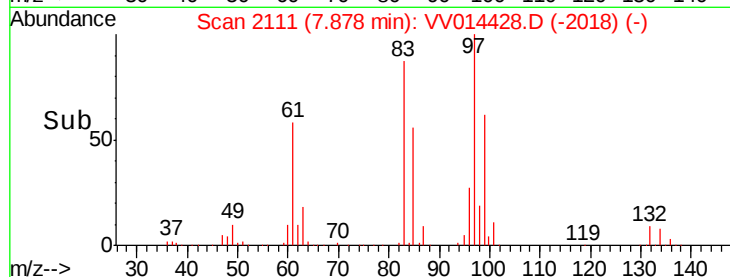
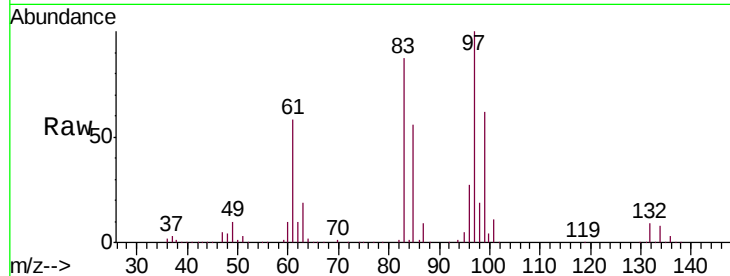




#45
 1,1,2-Trichloroethane
 Concen: 23.329 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VV014428.D
 Acq: 29 Jan 2020 16:44

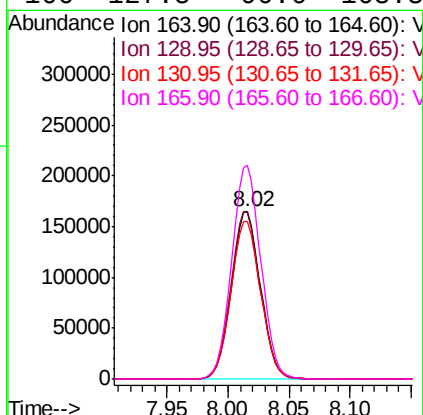
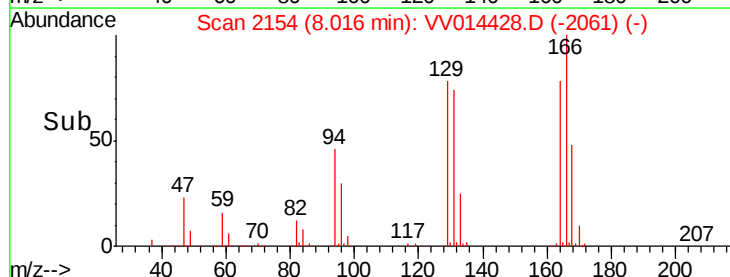
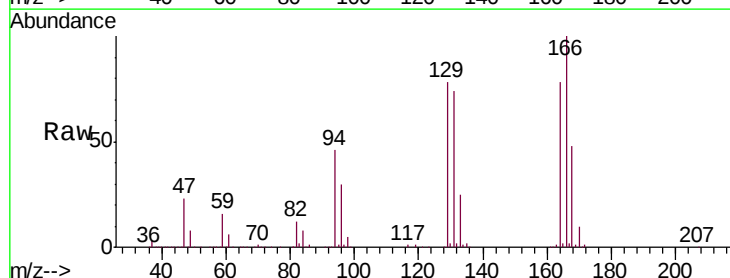
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

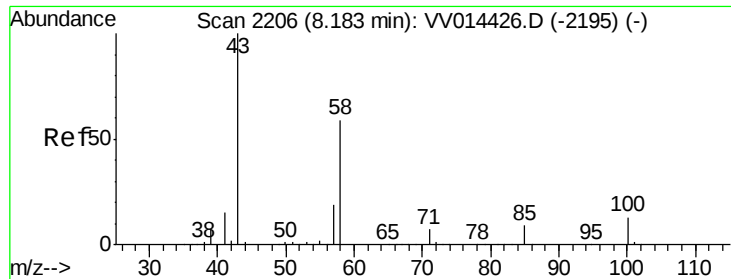
Tgt Ion:	97	Resp:	230477
Ion	Ratio	Lower	Upper
97	100		
99	62.2	42.5	78.9
83	86.9	59.8	111.0
85	55.8	38.4	71.4



#47
 Tetrachloroethene
 Concen: 25.196 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV014428.D
 Acq: 29 Jan 2020 16:44

Tgt Ion:	164	Resp:	273763
Ion	Ratio	Lower	Upper
164	100		
129	99.1	69.9	129.7
131	94.2	67.5	125.3
166	127.5	90.6	168.3



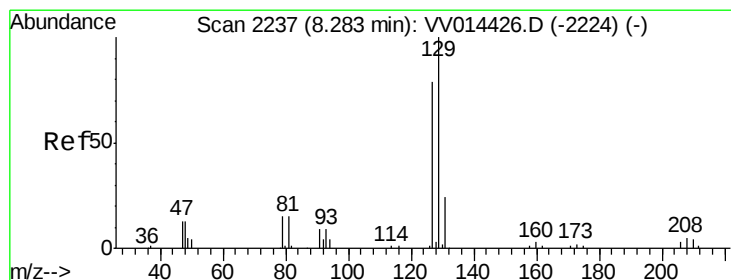
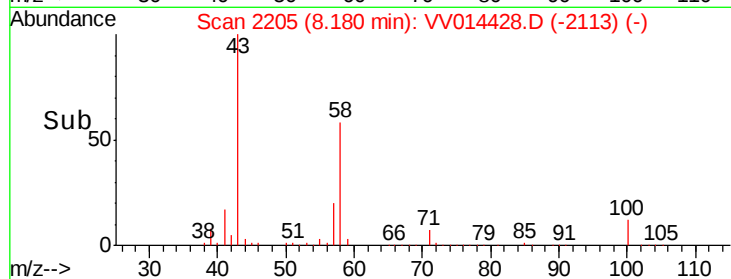
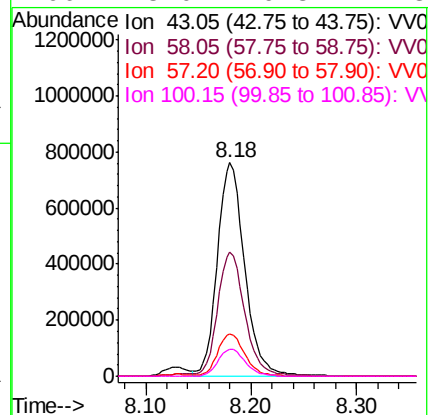
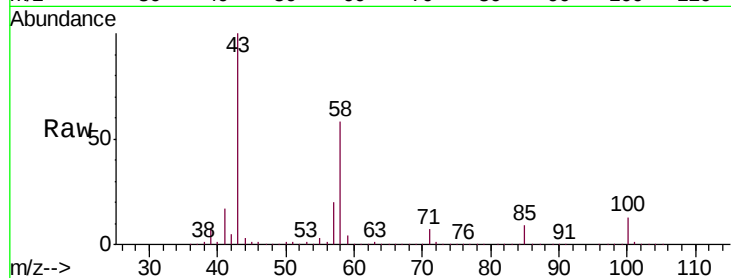


#48
2-Hexanone
Concen: 208.631 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV014428.D
Acq: 29 Jan 2020 16:44

Instrument :
MSVOA_V
ClientSampleId :
VSTD02034

Tgt Ion: 43 Resp: 1364192

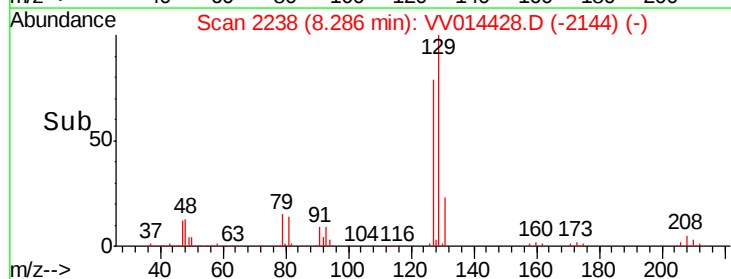
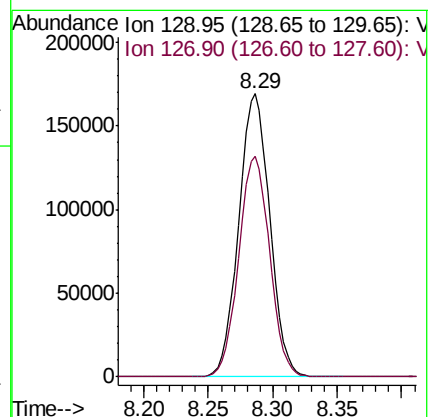
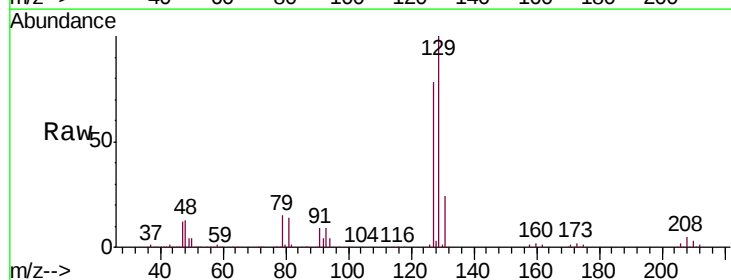
Ion	Ratio	Lower	Upper
43	100		
58	58.1	45.8	68.6
57	19.9	15.4	23.0
100	13.0	9.8	14.8

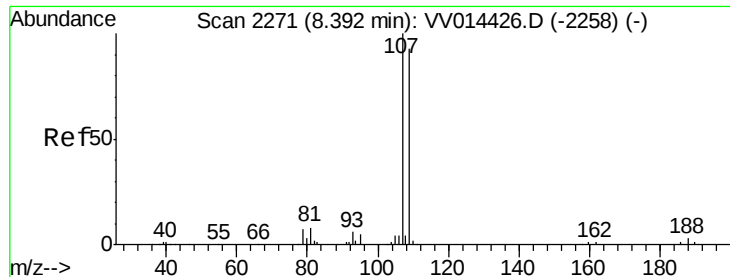


#49
Dibromochloromethane
Concen: 22.996 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014428.D
Acq: 29 Jan 2020 16:44

Tgt Ion: 129 Resp: 283628

Ion	Ratio	Lower	Upper
129	100		
127	77.9	54.9	102.1

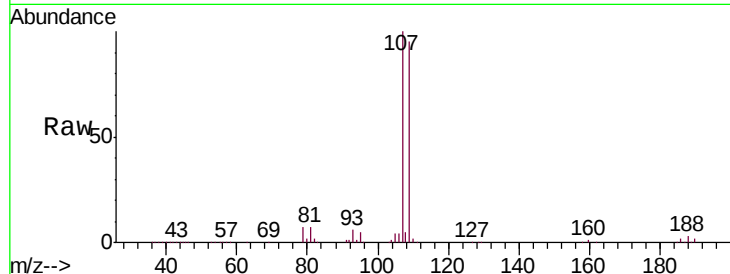




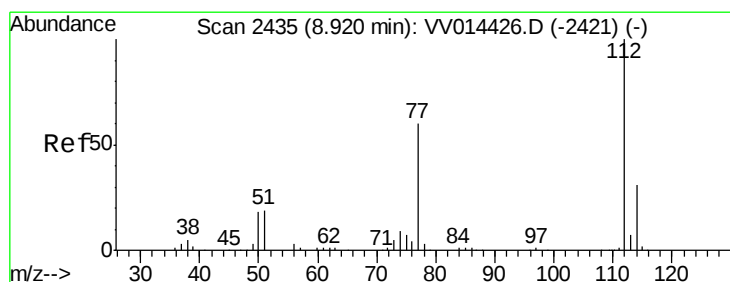
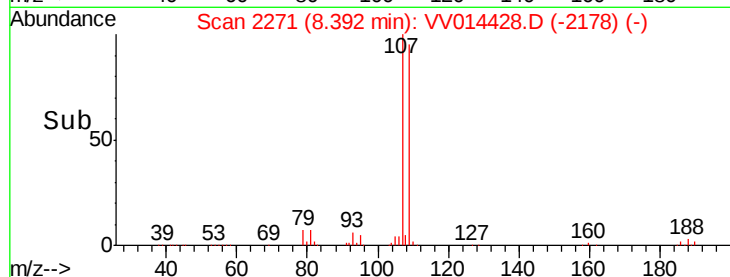
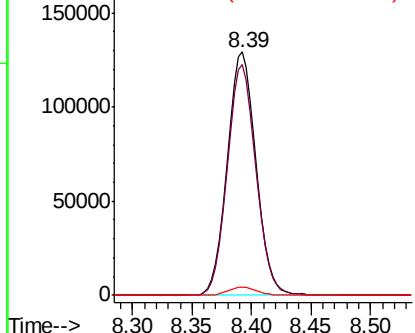
#50
1,2-Dibromoethane
Concen: 22.816 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV014428.D
Acq: 29 Jan 2020 16:44

Instrument :
MSVOA_V
ClientSampleId :
VSTD02034

Tgt Ion:107 Resp: 216144
Ion Ratio Lower Upper
107 100
109 94.8 65.0 120.6
188 3.4 2.7 4.1

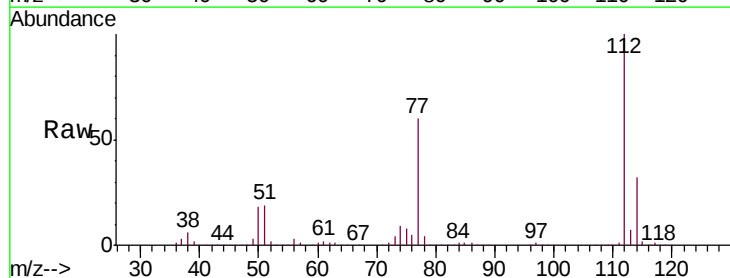


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

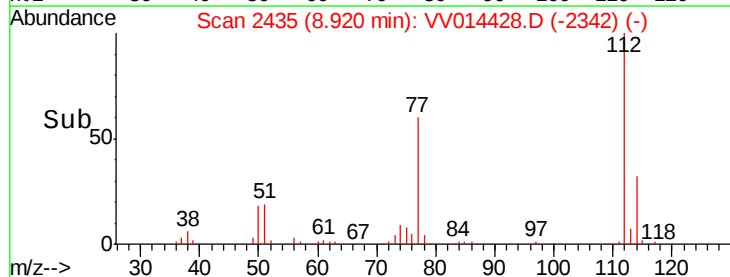
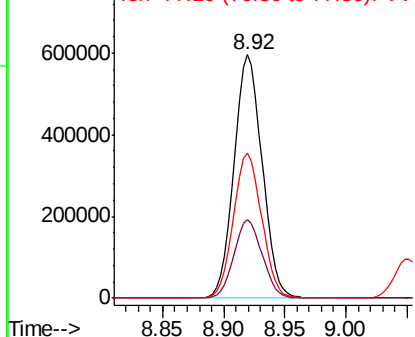


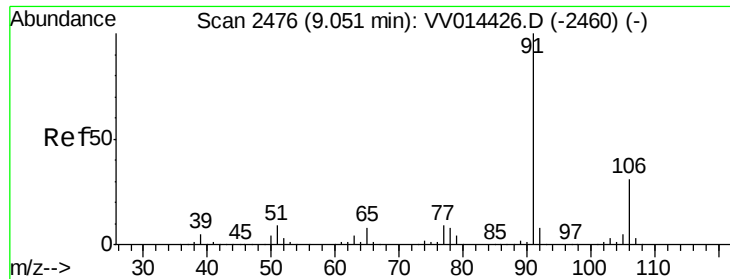
#51
Chlorobenzene
Concen: 23.911 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014428.D
Acq: 29 Jan 2020 16:44

Tgt Ion:112 Resp: 953270
Ion Ratio Lower Upper
112 100
114 32.1 21.8 40.6
77 59.7 48.5 72.7



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: 24.018 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014428.D

Acq: 29 Jan 2020 16:44

Instrument :

MSVOA_V

ClientSampleId :

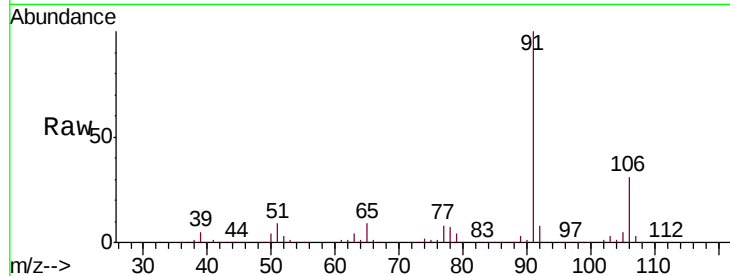
VSTD02034

Tgt Ion: 91 Resp: 1736820

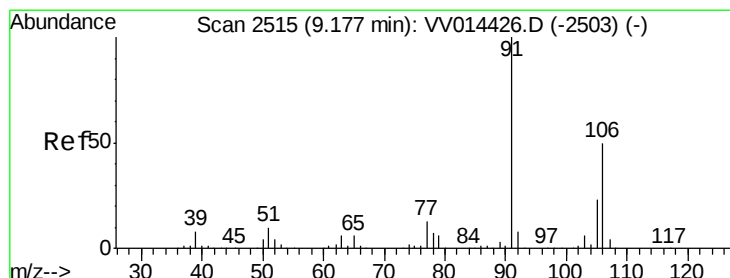
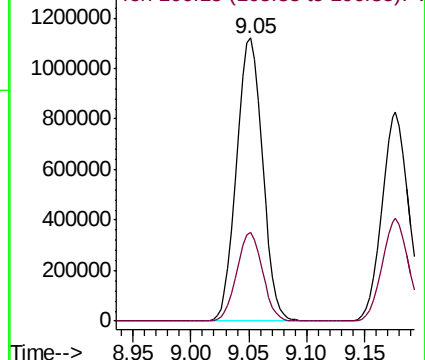
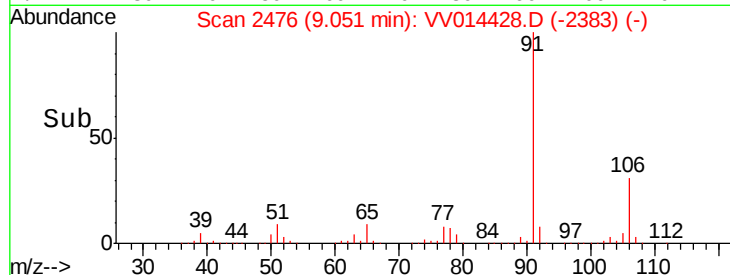
Ion Ratio Lower Upper

91 100

106 31.2 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VV014428.D (-2383) (-)



#53

m,p-xylene

Concen: 24.397 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014428.D

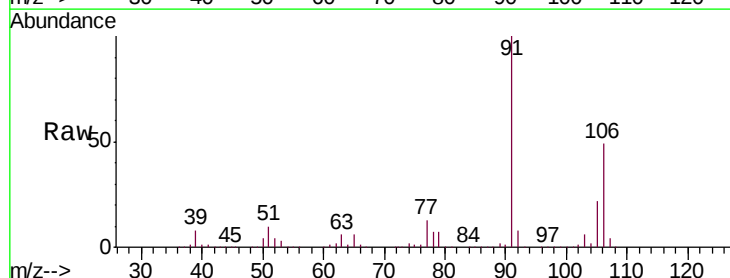
Acq: 29 Jan 2020 16:44

Tgt Ion: 106 Resp: 654437

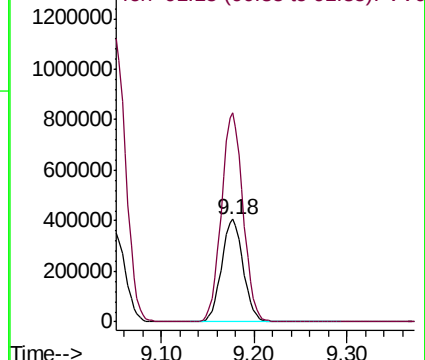
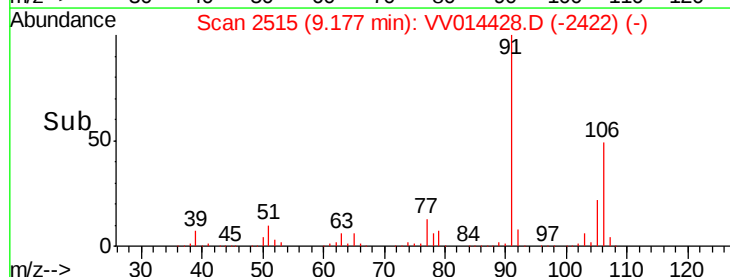
Ion Ratio Lower Upper

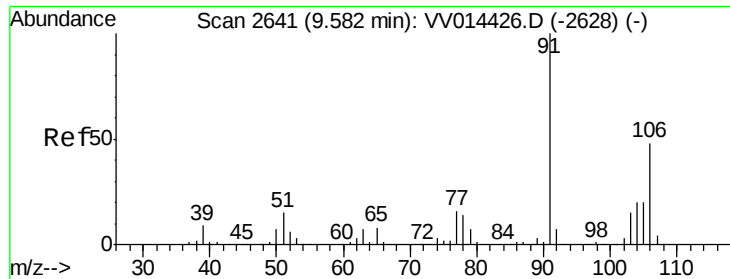
106 100

91 204.6 139.9 259.9



Abundance Ion 106.15 (105.85 to 106.85): VV014428.D (-2422) (-)

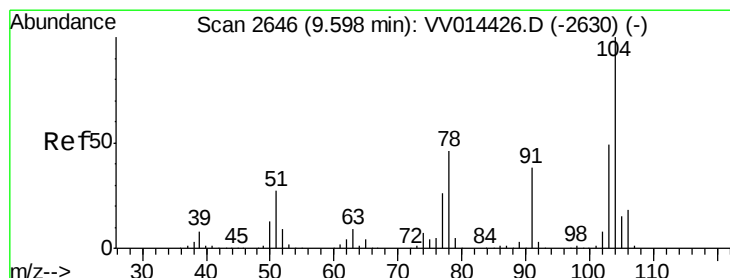
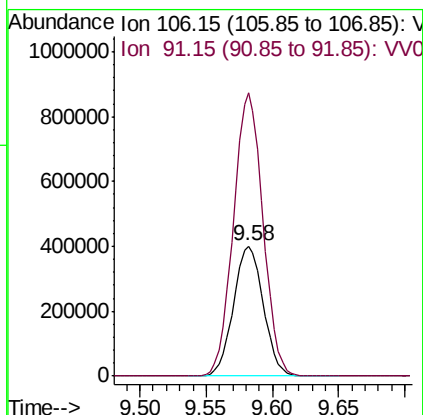
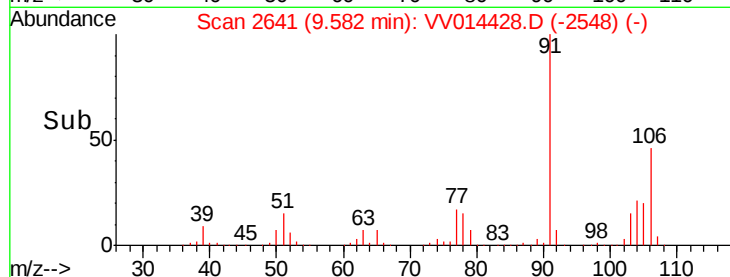
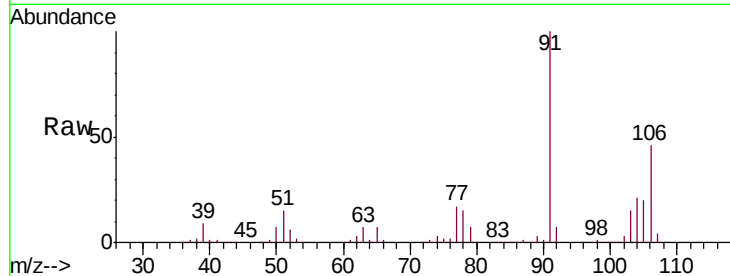




#54
o-xylene
Concen: 23.731 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV014428.D
Acq: 29 Jan 2020 16:44

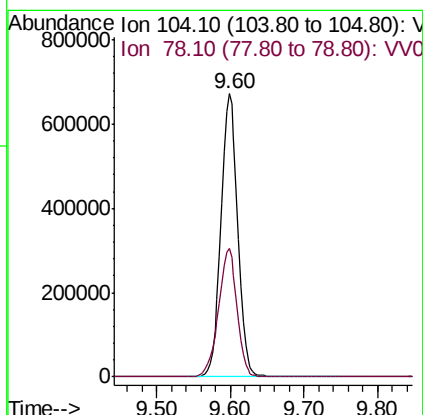
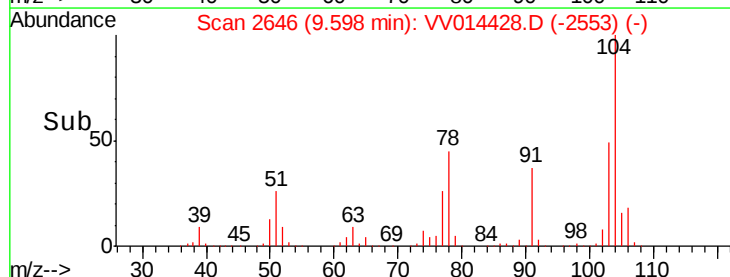
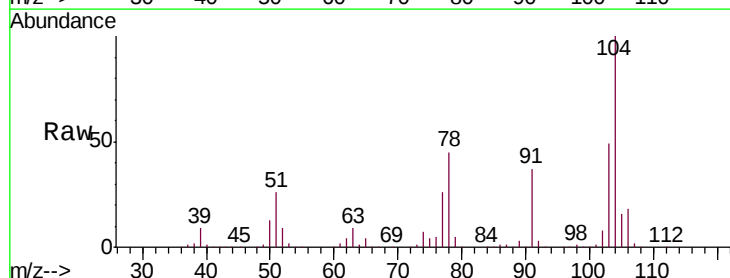
Instrument :
MSVOA_V
ClientSampleId :
VSTD02034

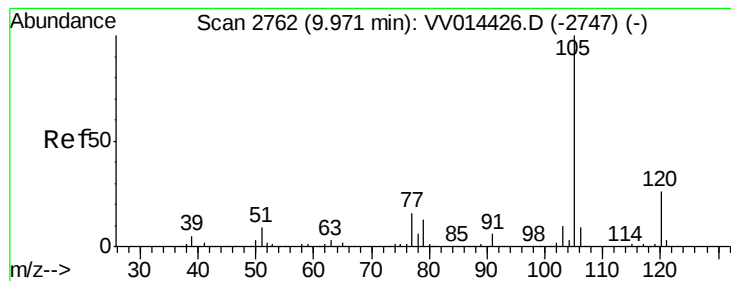
Tgt Ion:106 Resp: 625205
Ion Ratio Lower Upper
106 100
91 217.3 145.9 271.1



#55
Styrene
Concen: 23.846 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VV014428.D
Acq: 29 Jan 2020 16:44

Tgt Ion:104 Resp: 1058172
Ion Ratio Lower Upper
104 100
78 45.3 32.3 60.1





#56

Isopropylbenzene

Concen: 24.255 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. -0.00 min

Lab File: VV014428.D

Acq: 29 Jan 2020 16:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD02034

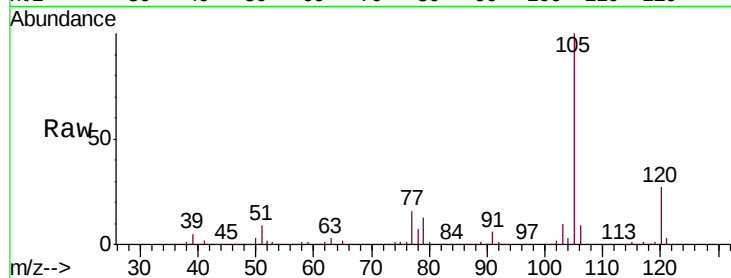
Tgt Ion:105 Resp: 1662062

Ion Ratio Lower Upper

105 100

120 26.7 21.3 31.9

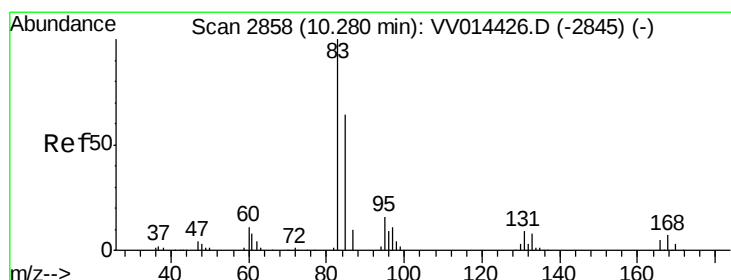
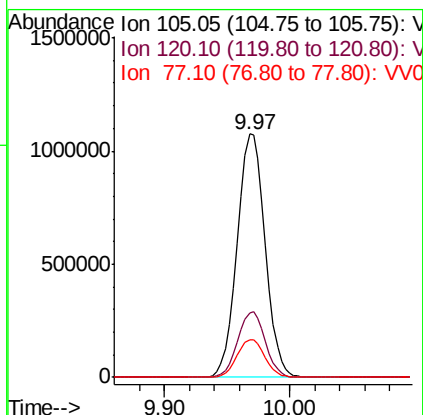
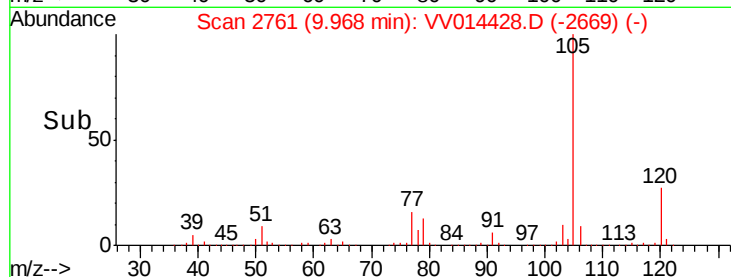
77 15.6 12.8 19.2



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: 22.735 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014428.D

Acq: 29 Jan 2020 16:44

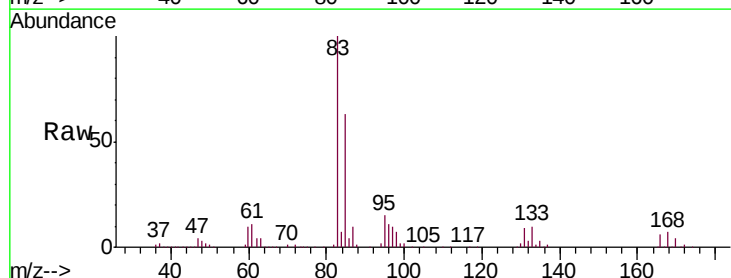
Tgt Ion: 83 Resp: 273573

Ion Ratio Lower Upper

83 100

85 63.1 45.3 84.1

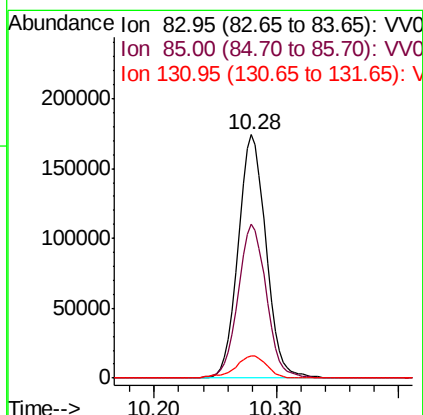
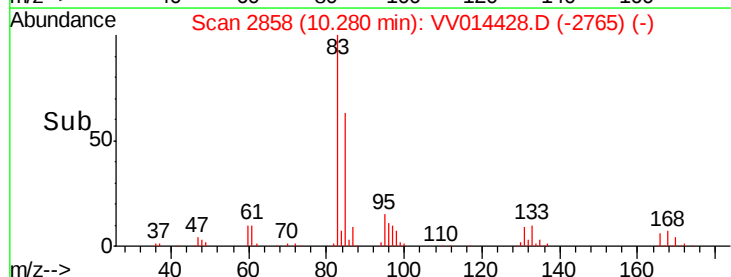
131 9.3 7.9 11.9

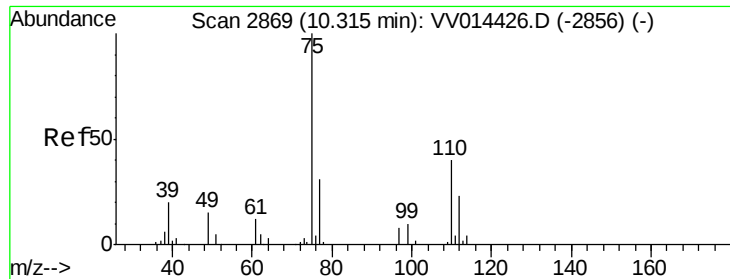


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 21.271 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV014428.D

Acq: 29 Jan 2020 16:44

Instrument :

MSVOA_V

ClientSampleId :

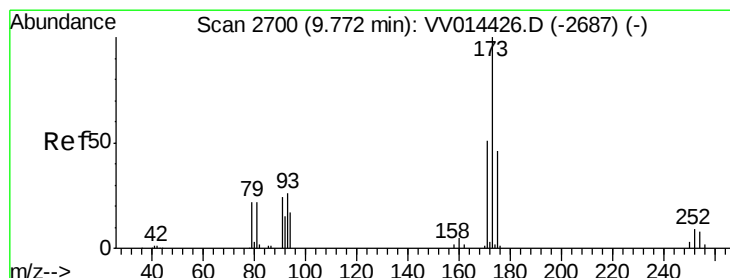
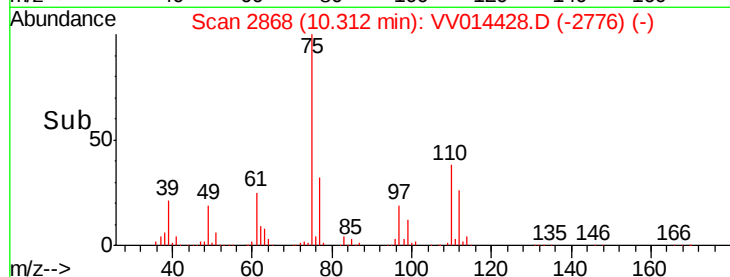
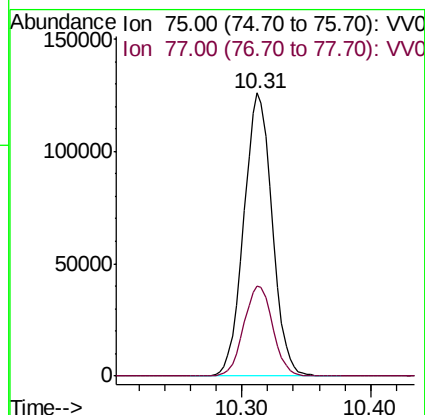
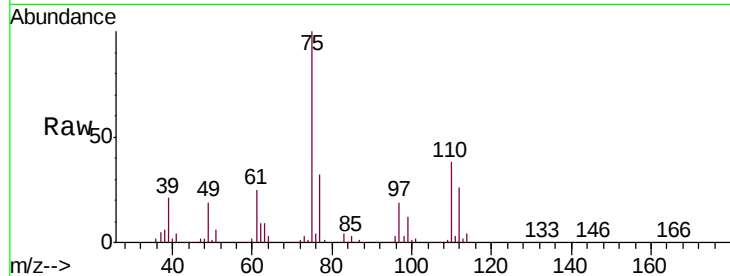
VSTD02034

Tgt Ion: 75 Resp: 192895

Ion Ratio Lower Upper

75 100

77 32.2 26.0 39.0



#61

Bromoform

Concen: 22.222 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV014428.D

Acq: 29 Jan 2020 16:44

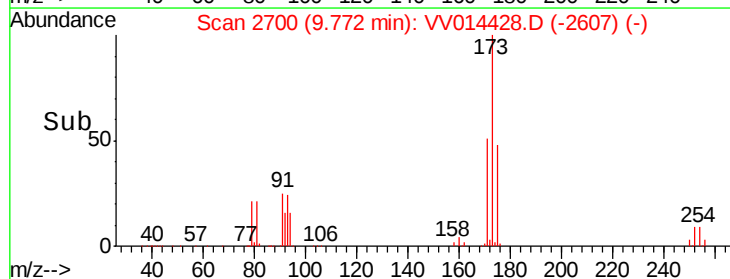
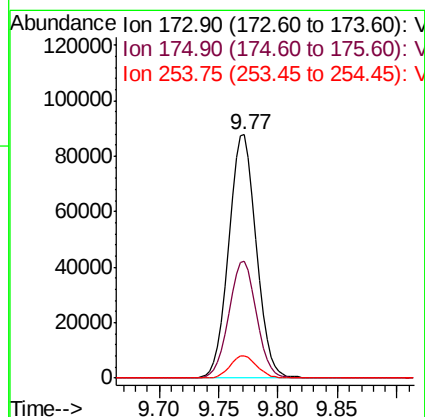
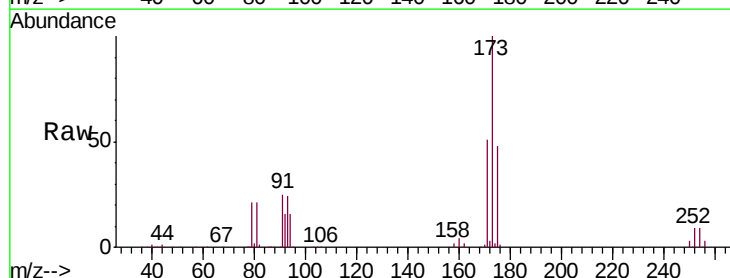
Tgt Ion: 173 Resp: 140859

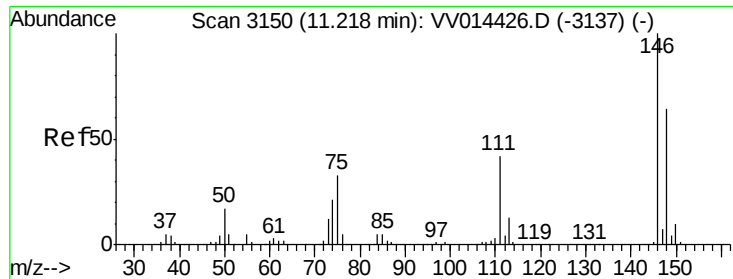
Ion Ratio Lower Upper

173 100

175 48.1 38.9 58.3

254 8.9 7.0 10.4





#62

1,3-Dichlorobenzene

Concen: 24.043 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. 0.00 min

Lab File: VV014428.D

Acq: 29 Jan 2020 16:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD02034

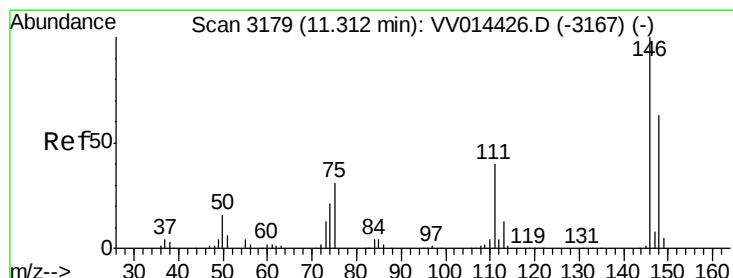
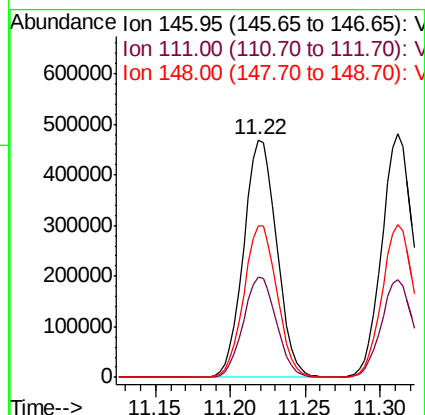
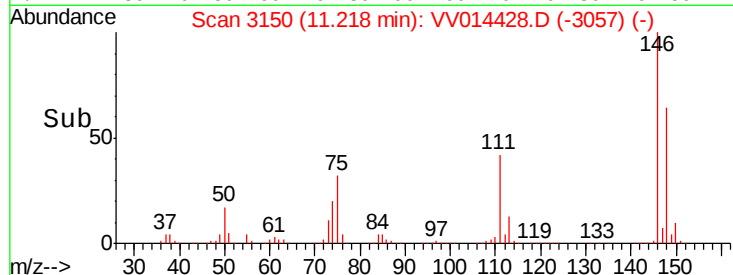
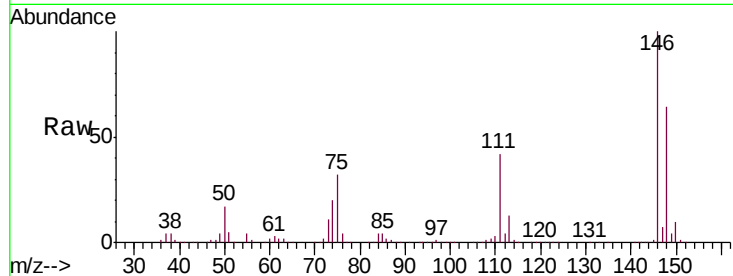
Tgt Ion:146 Resp: 723247

Ion Ratio Lower Upper

146 100

111 42.2 29.5 54.7

148 63.9 44.7 83.1



#63

1,4-Dichlorobenzene

Concen: 24.119 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV014428.D

Acq: 29 Jan 2020 16:44

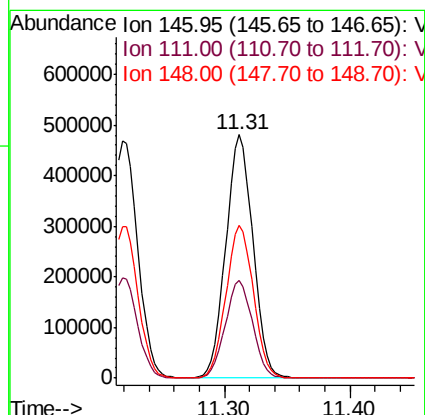
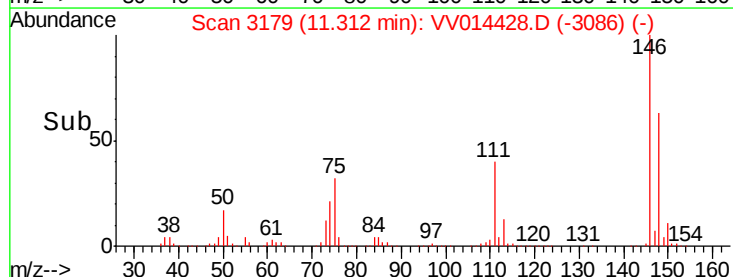
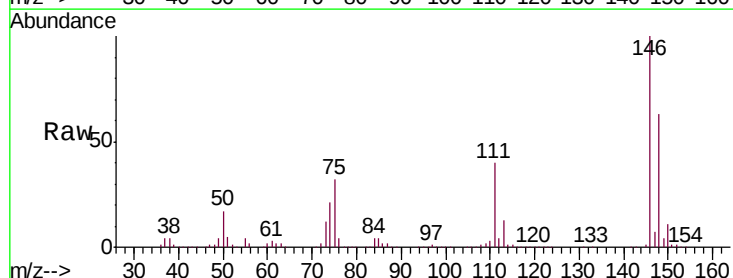
Tgt Ion:146 Resp: 720901

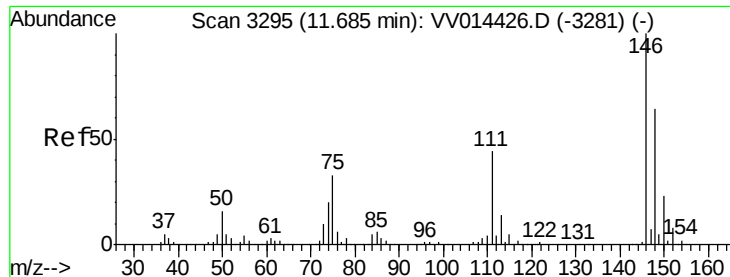
Ion Ratio Lower Upper

146 100

111 39.9 27.9 51.7

148 63.0 44.3 82.3





#65

1,2-Dichlorobenzene

Concen: 23.706 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV014428.D

Acq: 29 Jan 2020 16:44

Instrument :

MSVOA_V

ClientSampled :

VSTD02034

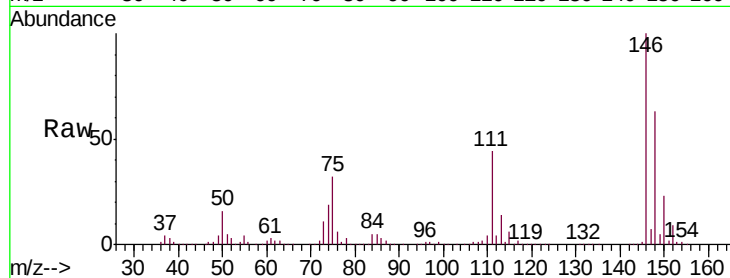
Tgt Ion:146 Resp: 644631

Ion Ratio Lower Upper

146 100

111 43.7 35.0 52.6

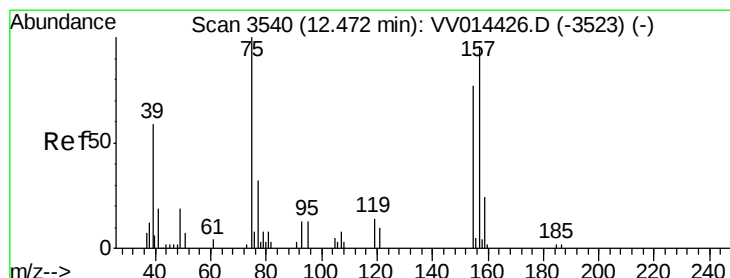
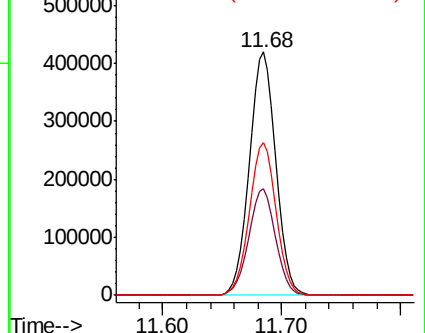
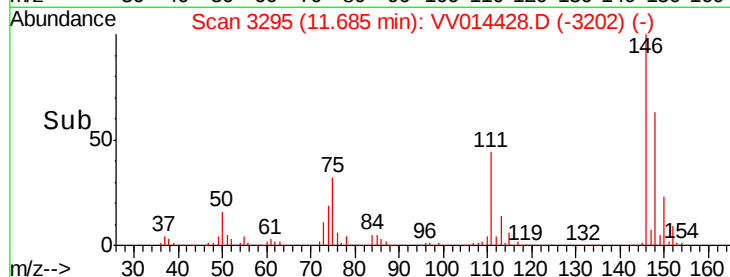
148 62.9 50.9 76.3



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: 19.030 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. -0.00 min

Lab File: VV014428.D

Acq: 29 Jan 2020 16:44

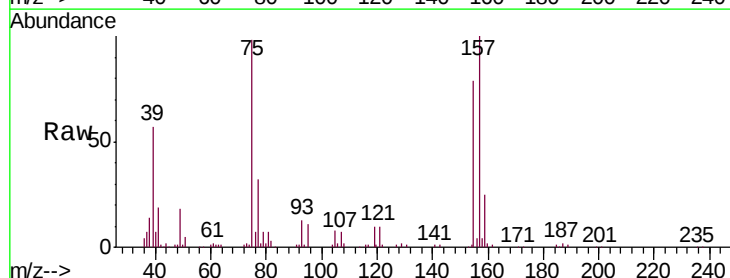
Tgt Ion: 75 Resp: 45858

Ion Ratio Lower Upper

75 100

155 80.5 61.8 92.8

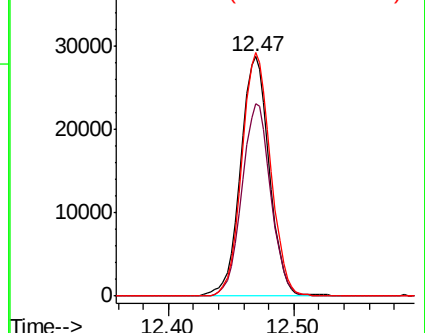
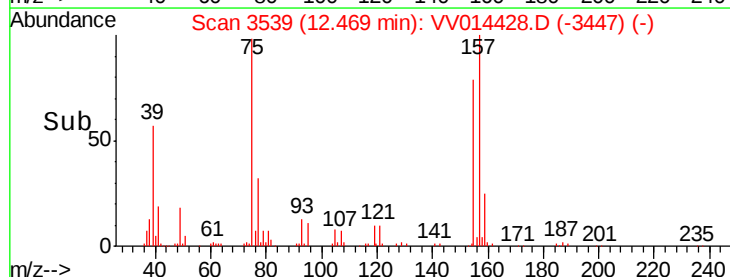
157 101.7 76.6 114.8

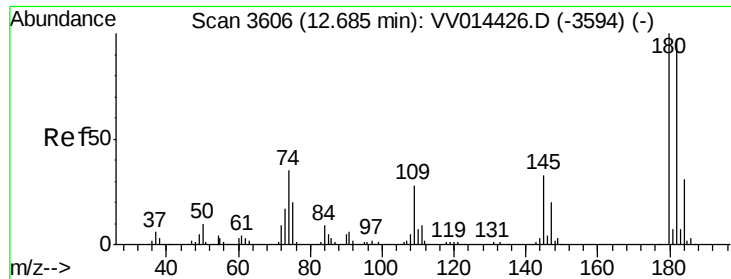


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

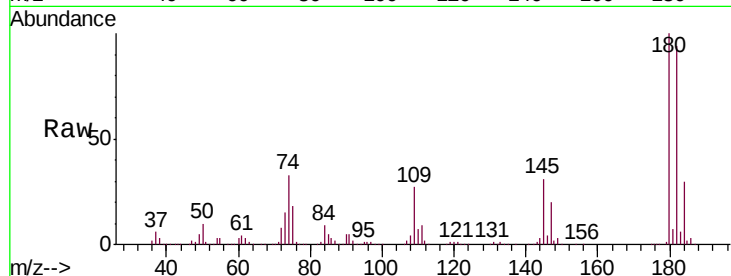




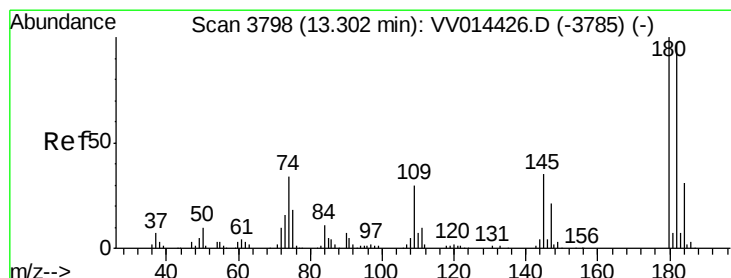
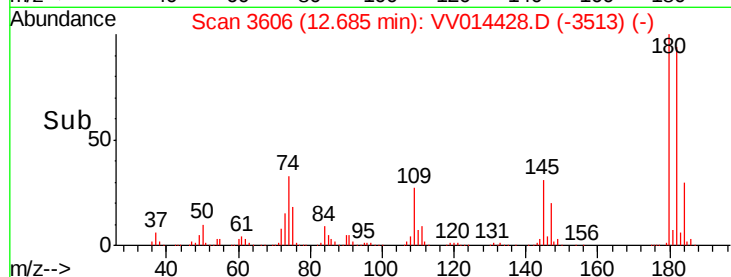
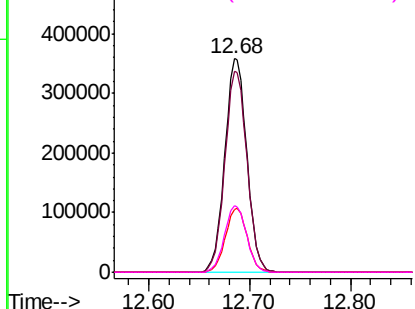
#67
 1,3,5-Trichlorobenzene
 Concen: 25.030 ug/L
 RT: 12.68 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VV014428.D
 Acq: 29 Jan 2020 16:44

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD02034

Tgt Ion:180 Resp: 547335
 Ion Ratio Lower Upper
 180 100
 182 94.6 76.5 114.7
 184 29.8 23.7 35.5
 145 31.4 25.8 38.6

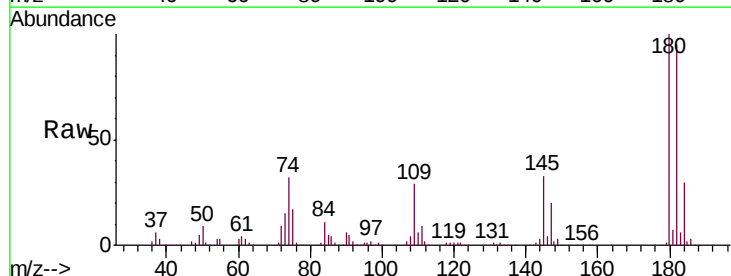


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

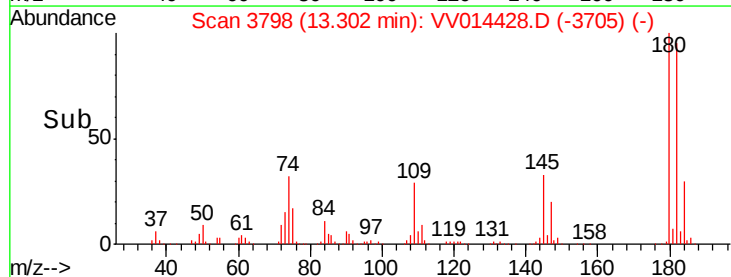
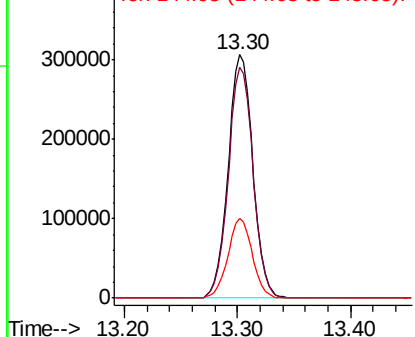


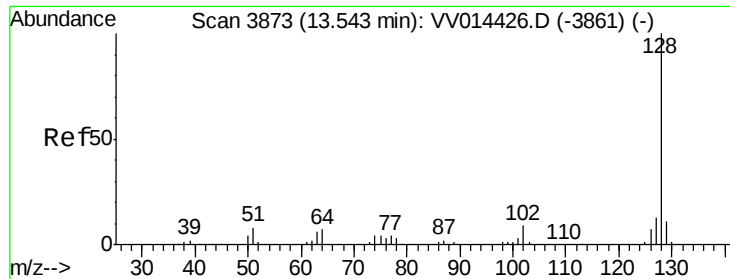
#68
 1,2,4-trichlorobenzene
 Concen: 24.358 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014428.D
 Acq: 29 Jan 2020 16:44

Tgt Ion:180 Resp: 465034
 Ion Ratio Lower Upper
 180 100
 182 95.2 75.5 113.3
 145 32.4 26.8 40.2



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: 22.476 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. 0.00 min

Lab File: VV014428.D

Acq: 29 Jan 2020 16:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD02034

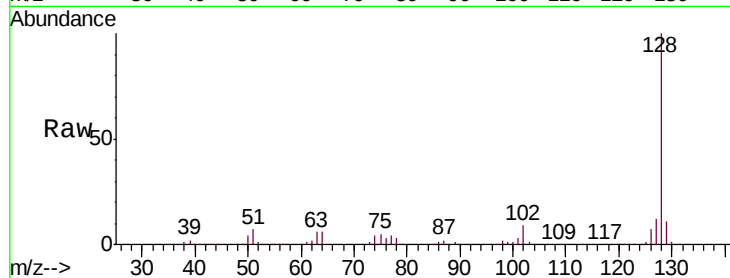
Tgt Ion:128 Resp: 848774

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.6

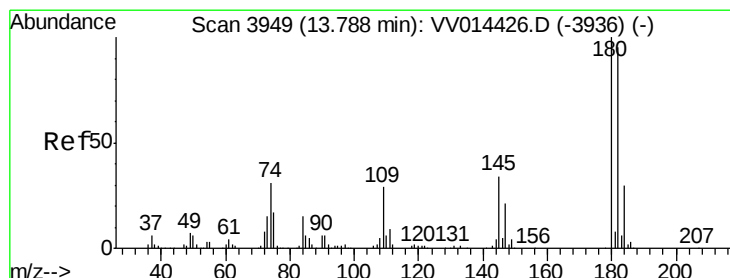
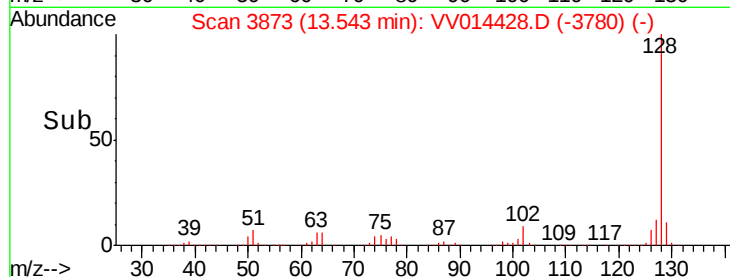
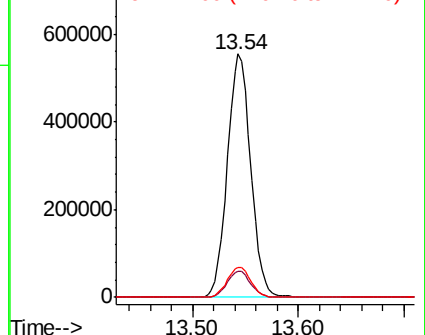
127 12.6 10.3 15.5



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: 23.707 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014428.D

Acq: 29 Jan 2020 16:44

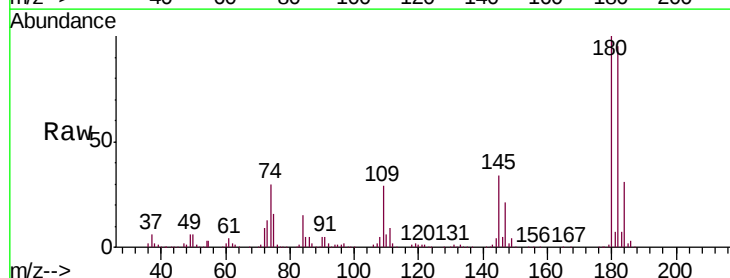
Tgt Ion:180 Resp: 396436

Ion Ratio Lower Upper

180 100

182 95.3 76.0 114.0

145 34.4 27.6 41.4



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

