

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040120\
 Data File : VU037525.D
 Acq On : 01 Apr 2020 15:03
 Operator : JC/MD
 Sample : VSTD01001
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01001

Quant Time: Apr 01 15:20:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR040120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Apr 01 15:03:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	88418	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	83198	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	40270	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	69011	10.55	ug/L	0.00
7) Chloroethane-d5	1.93	69	53110	9.42	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	125810	9.92	ug/L	0.00
20) 2-Butanone-d5	4.67	46	191567	96.31	ug/L	0.00
24) Chloroform-d	5.10	84	121282	9.82	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	64578	9.34	ug/L	0.00
32) Benzene-d6	5.76	84	242185	9.97	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	80919	10.13	ug/L	0.00
41) Toluene-d8	7.93	98	224499	10.03	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	36381	10.12	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	173984	104.30	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	64796	9.81	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	78468	10.11	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	64148	9.48	ug/L	99
3) Chloromethane	1.53	50	68841	10.12	ug/L	98
5) Vinyl chloride	1.62	62	70015	9.61	ug/L	98
6) Bromomethane	1.87	94	30948	8.41	ug/L	90
8) Chloroethane	1.95	64	40481	9.81	ug/L	97
9) Trichlorofluoromethane	2.16	101	99941	9.84	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	57856	9.75	ug/L	98
12) 1,1-Dichloroethene	2.60	96	56658	9.54	ug/L	98
13) Acetone	2.66	43	101377	90.45	ug/L	99
14) Carbon disulfide	2.82	76	183791	9.33	ug/L	96
15) Methyl Acetate	2.98	43	27172	8.77	ug/L	95
16) Methylene chloride	3.08	84	62705	9.40	ug/L	92
17) Methyl tert-butyl Ether	3.40	73	156482	9.55	ug/L	98
18) trans-1,2-Dichloroethene	3.38	96	59502	9.56	ug/L	96
19) 1,1-Dichloroethane	3.91	63	113145	9.64	ug/L	95
21) 2-Butanone	4.75	43	184191	92.92	ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	67134	9.70	ug/L	99
23) Bromochloromethane	5.02	128	27317	9.55	ug/L	95
25) Chloroform	5.13	83	112912	9.46	ug/L	98
27) 1,2-Dichloroethane	5.83	62	74739	9.32	ug/L	98
29) 1,1,1-Trichloroethane	5.36	97	100992	9.56	ug/L	98
30) Cyclohexane	5.43	56	108658	9.53	ug/L	99
31) Carbon tetrachloride	5.56	117	84310	9.64	ug/L	100
33) Benzene	5.81	78	249169	9.59	ug/L	100
34) Trichloroethene	6.57	95	66202	9.64	ug/L	98
35) Methylcyclohexane	6.79	83	111084	9.77	ug/L	99
37) 1,2-Dichloropropane	6.82	63	66290	9.58	ug/L	99
38) Bromodichloromethane	7.13	83	85846	9.53	ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	106471	10.02	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	469212	92.54	ug/L	99

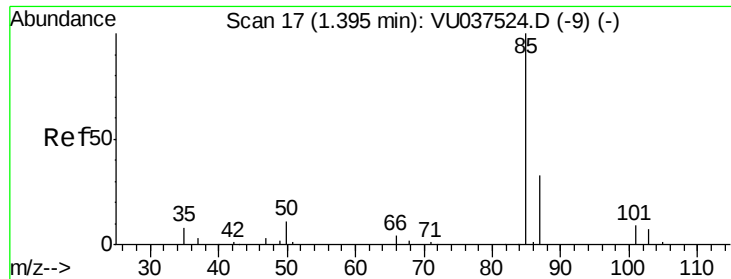
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040120\
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Quant Time: Apr 01 15:20:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR040120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Apr 01 15:03:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	270691	9.87	ug/L	96
44) trans-1,3-Dichloropropene	8.23	75	93790	9.88	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	47889	9.78	ug/L	96
47) Tetrachloroethene	8.57	164	44678	9.79	ug/L	96
48) 2-Hexanone	8.71	43	340007	92.90	ug/L	98
49) Dibromochloromethane	8.83	129	57695	9.69	ug/L	98
50) 1,2-Dibromoethane	8.95	107	46529	9.60	ug/L	96
51) Chlorobenzene	9.47	112	165551	9.73	ug/L	99
52) Ethylbenzene	9.59	91	308347	9.71	ug/L	100
53) m,p-Xylene	9.71	106	114520	9.70	ug/L	100
54) o-Xylene	10.12	106	109934	9.80	ug/L	98
55) Styrene	10.13	104	193352	9.90	ug/L	98
56) Isopropylbenzene	10.50	105	303856	10.03	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	65182	9.85	ug/L	96
59) 1,2,3-Trichloropropane	10.84	75	44157	9.37	ug/L	99
61) Bromoform	10.31	173	32419	9.56	ug/L	94
62) 1,3-Dichlorobenzene	11.76	146	131645	9.78	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	131541	9.72	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	122573	9.78	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	11786	9.12	ug/L	86
67) 1,3,5-Trichlorobenzene	13.24	180	96273	10.28	ug/L	96
68) 1,2,4-trichlorobenzene	13.87	180	90111	9.95	ug/L	98
69) Naphthalene	14.11	128	197870	9.67	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	80383	10.14	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 9.48 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037525.D

Acq: 01 Apr 2020 15:03

Instrument :

MSVOA_U

ClientSampleId :

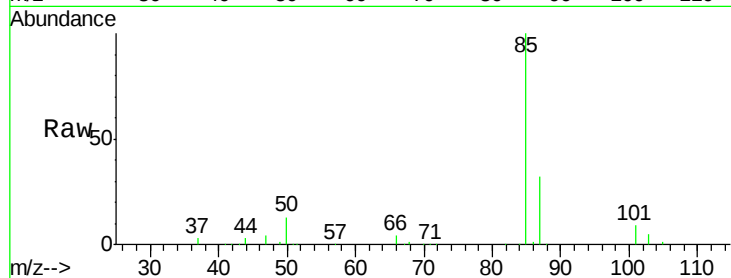
VSTD01001

Tgt Ion: 85 Resp: 64148

Ion Ratio Lower Upper

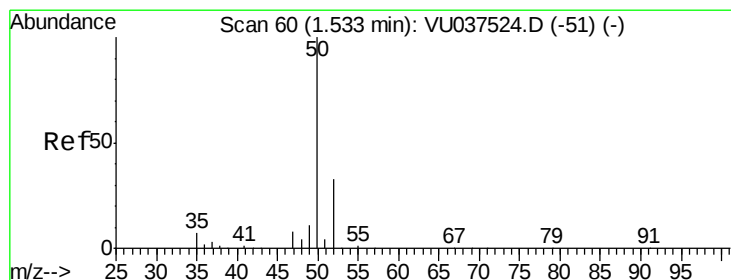
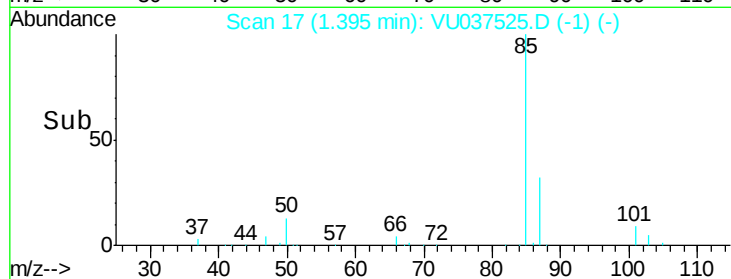
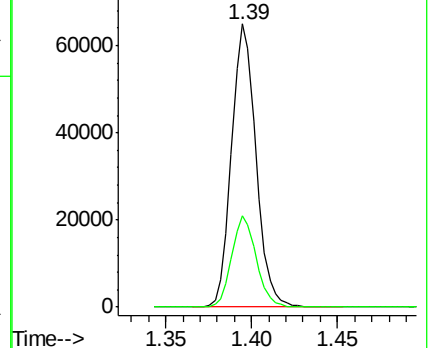
85 100

87 32.3 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU037524.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037524.D (-9) (-)



#3

Chloromethane

Concen: 10.12 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU037525.D

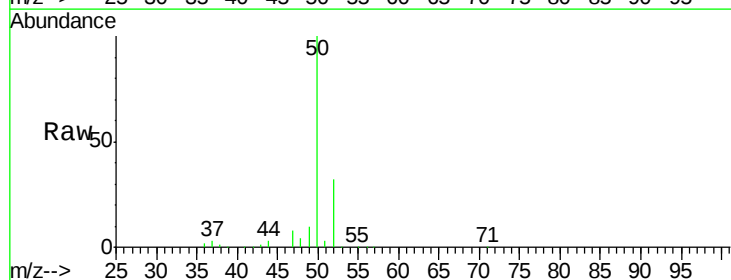
Acq: 01 Apr 2020 15:03

Tgt Ion: 50 Resp: 68841

Ion Ratio Lower Upper

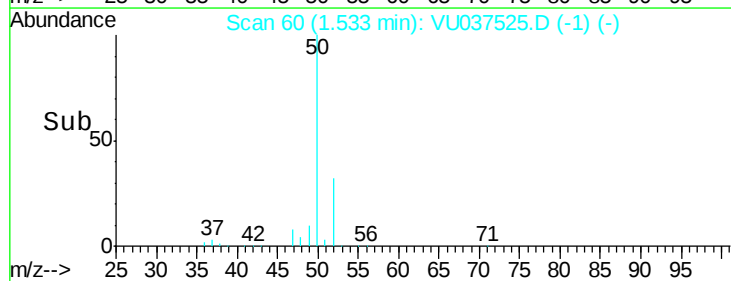
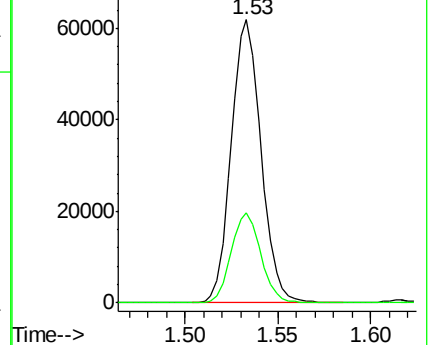
50 100

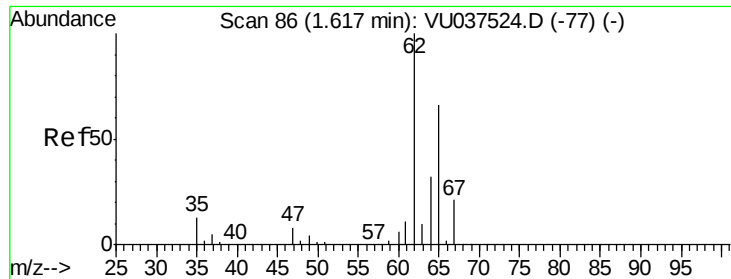
52 31.7 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU037524.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU037524.D (-51) (-)





#5

Vinyl chloride

Concen: 9.61 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037525.D

Acq: 01 Apr 2020 15:03

Instrument :

MSVOA_U

ClientSampleId :

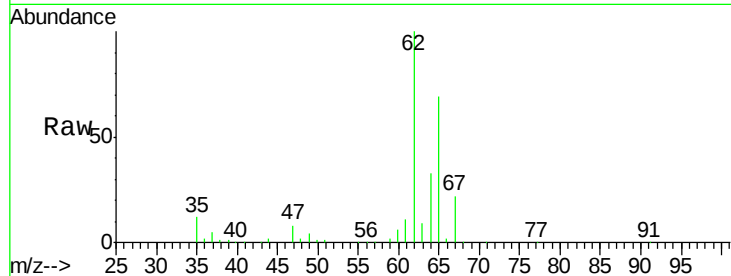
VSTD01001

Tgt Ion: 62 Resp: 70015

Ion Ratio Lower Upper

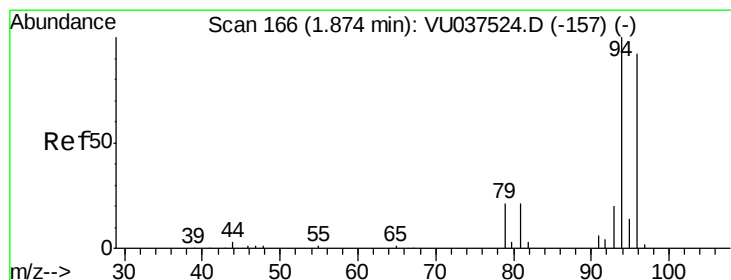
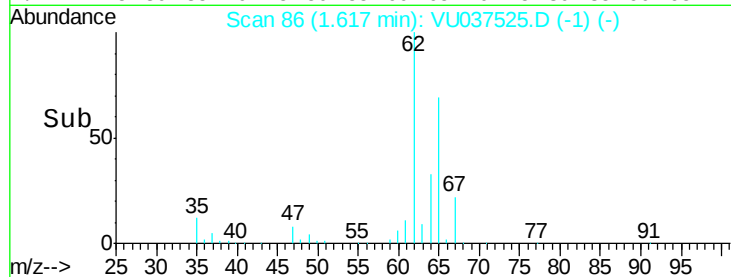
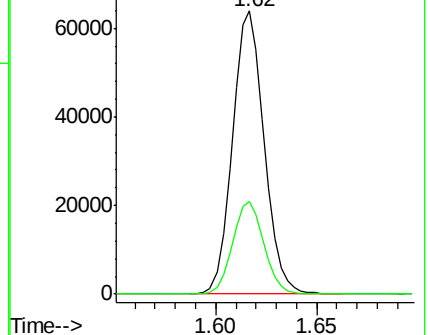
62 100

64 32.9 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VU037525.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU037525.D (-77) (-)



#6

Bromomethane

Concen: 8.41 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU037525.D

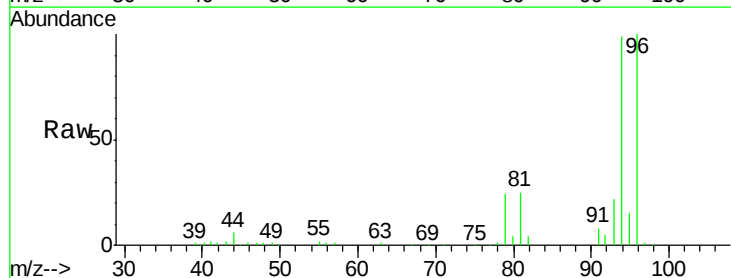
Acq: 01 Apr 2020 15:03

Tgt Ion: 94 Resp: 30948

Ion Ratio Lower Upper

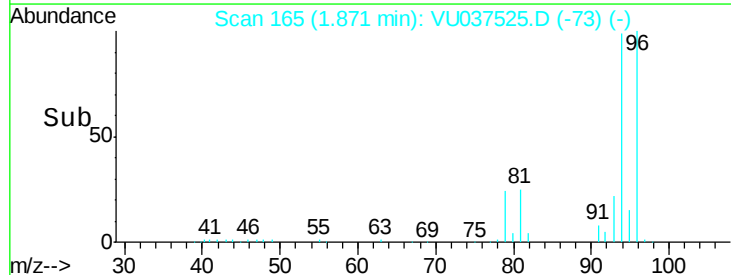
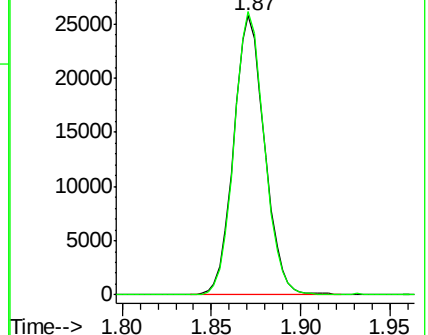
94 100

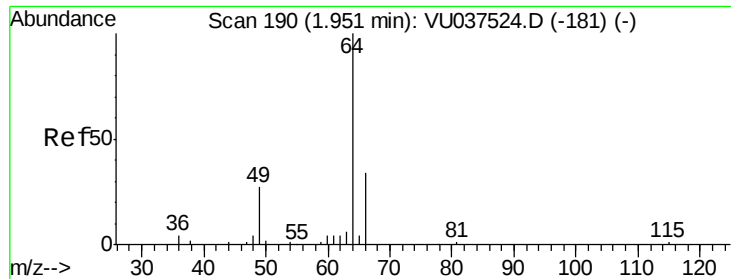
96 101.4 64.3 119.5



Abundance Ion 94.00 (93.70 to 94.70): VU037525.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU037525.D (-157) (-)

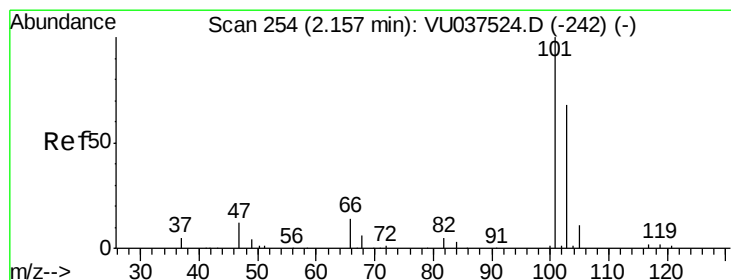
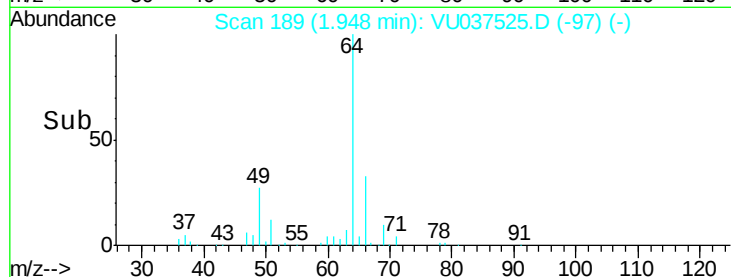
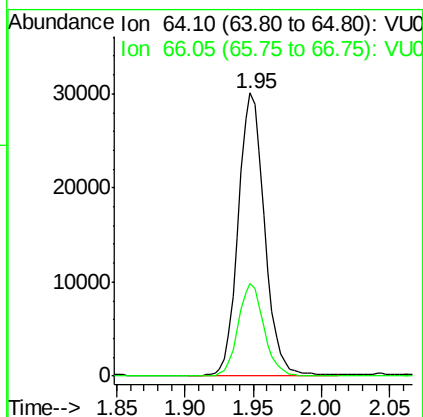
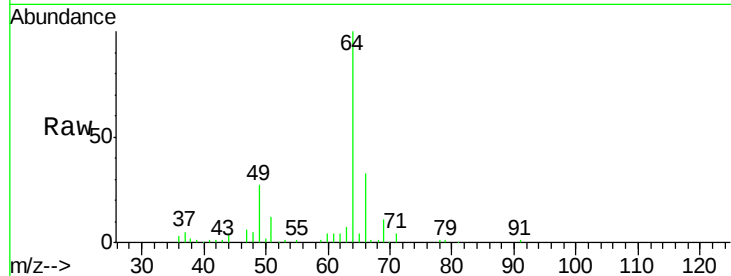




#8
Chloroethane
Concen: 9.81 ug/L
RT: 1.95 min Scan# 189
Delta R.T. -0.00 min
Lab File: VU037525.D
Acq: 01 Apr 2020 15:03

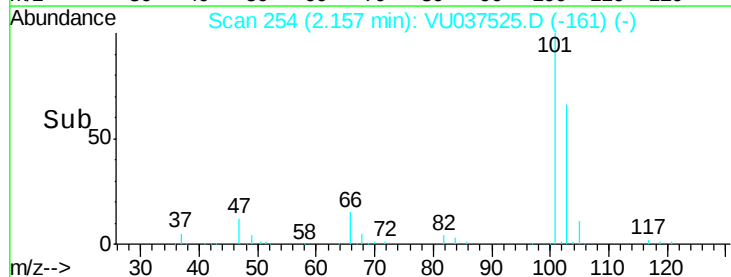
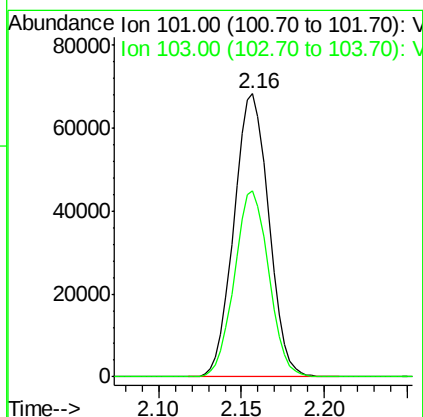
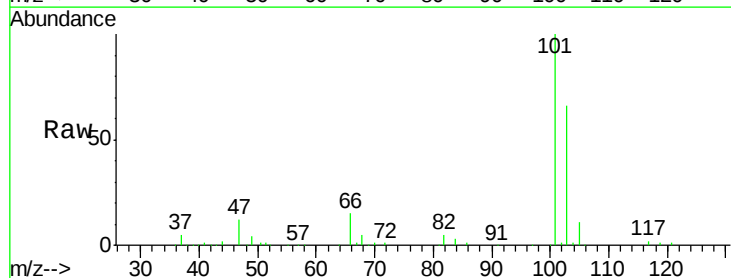
Instrument :
MSVOA_U
ClientSampleId :
VSTD01001

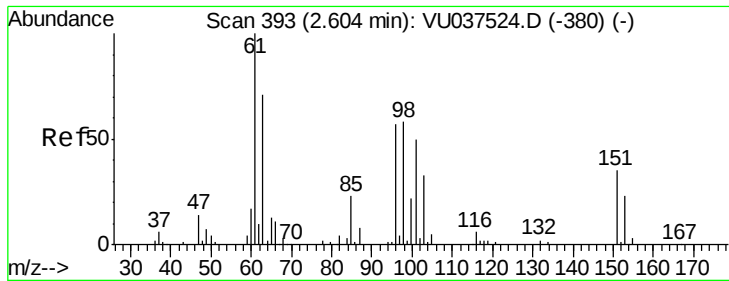
Tgt Ion: 64 Resp: 40481
Ion Ratio Lower Upper
64 100
66 32.6 24.1 44.7



#9
Trichlorofluoromethane
Concen: 9.84 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU037525.D
Acq: 01 Apr 2020 15:03

Tgt Ion: 101 Resp: 99941
Ion Ratio Lower Upper
101 100
103 64.6 53.2 79.8





#10

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

Concen: 9.75 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037525.D

Acq: 01 Apr 2020 15:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD01001

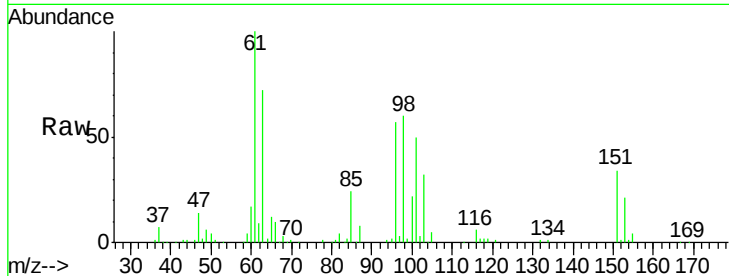
Tgt Ion:101 Resp: 57856

Ion Ratio Lower Upper

101 100

85 46.2 35.8 53.8

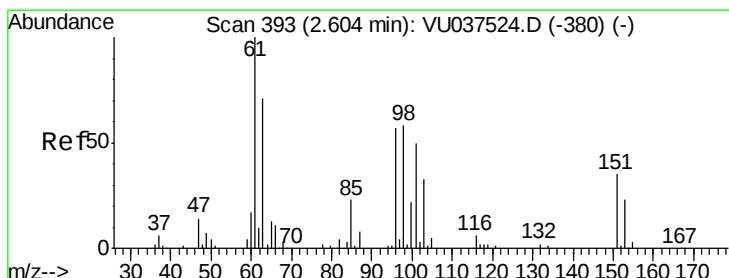
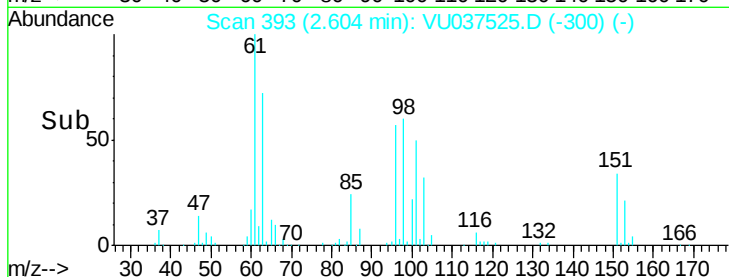
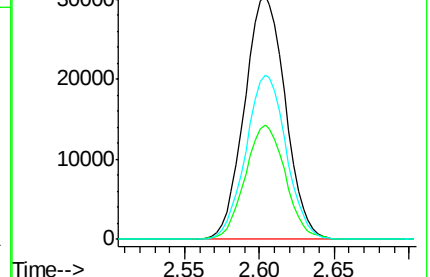
151 66.7 54.7 82.1



Abundance Ion 101.00 (100.70 to 101.70): VU037524.D (-380) (-)

Ion 85.00 (84.70 to 85.70): VU037524.D (-380) (-)

Ion 151.00 (150.70 to 151.70): VU037524.D (-380) (-)



#12

1,1-Dichloroethene

Concen: 9.54 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037525.D

Acq: 01 Apr 2020 15:03

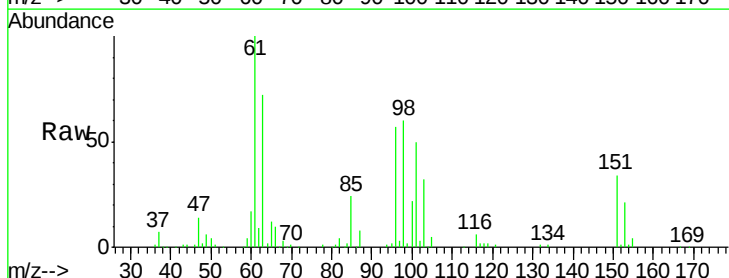
Tgt Ion: 96 Resp: 56658

Ion Ratio Lower Upper

96 100

61 174.8 123.4 229.2

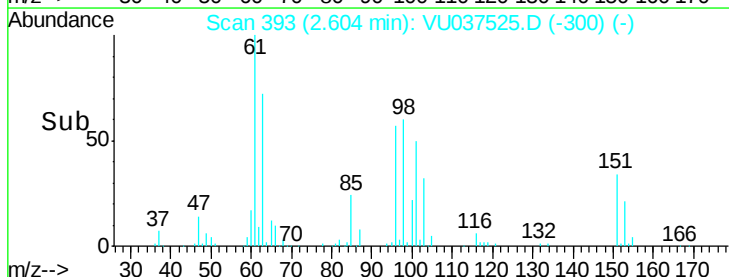
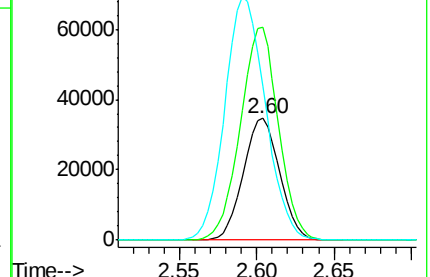
63 126.5 90.4 168.0

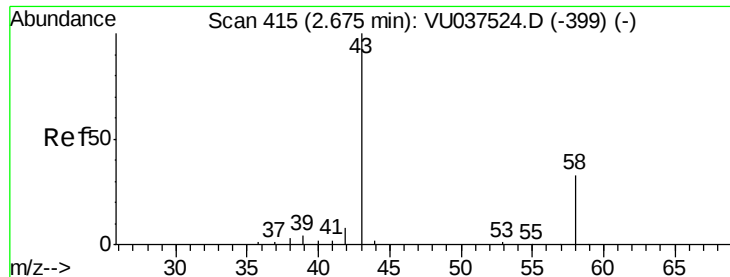


Abundance Ion 96.00 (95.70 to 96.70): VU037524.D (-380) (-)

Ion 61.05 (60.75 to 61.75): VU037524.D (-380) (-)

Ion 63.00 (62.70 to 63.70): VU037524.D (-380) (-)





#13

Acetone

Concen: 90.45 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.01 min

Lab File: VU037525.D

Acq: 01 Apr 2020 15:03

Instrument :

MSVOA_U

ClientSampleId :

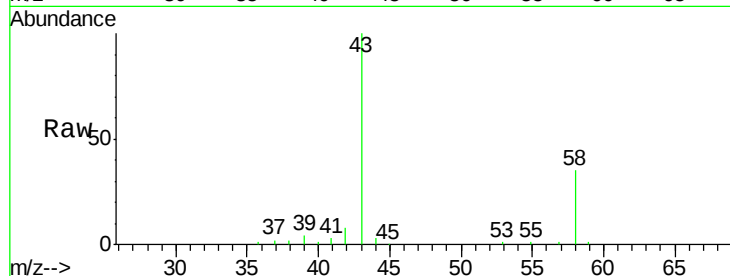
VSTD01001

Tgt Ion: 43 Resp: 101377

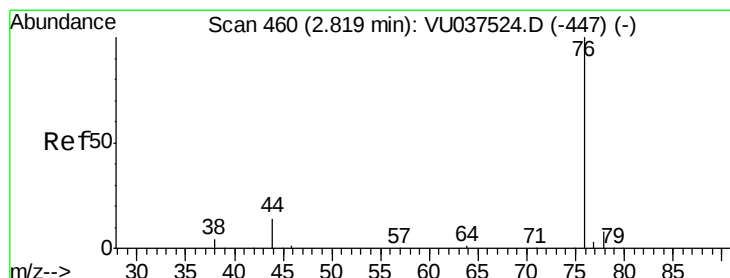
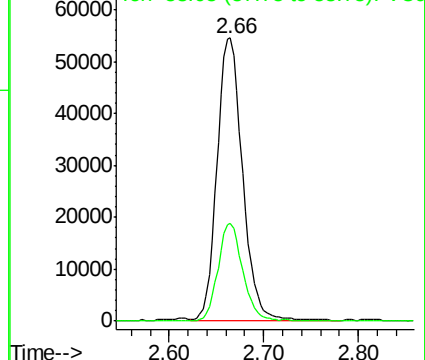
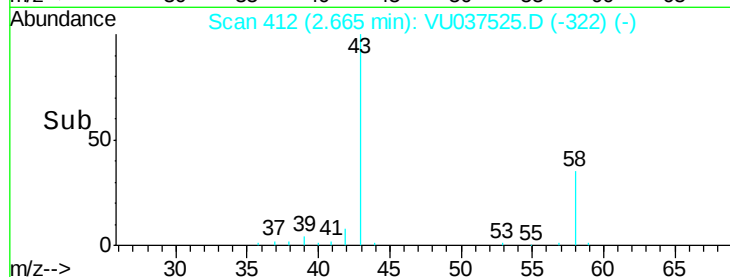
Ion Ratio Lower Upper

43 100

58 33.6 0.0 68.2



Abundance Ion 43.05 (42.75 to 43.75): VU037525.D (-322) (-)



#14

Carbon disulfide

Concen: 9.33 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037525.D

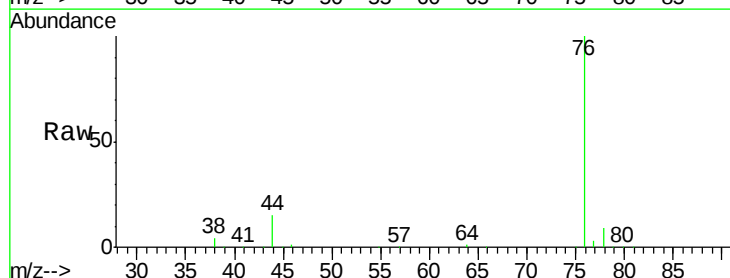
Acq: 01 Apr 2020 15:03

Tgt Ion: 76 Resp: 183791

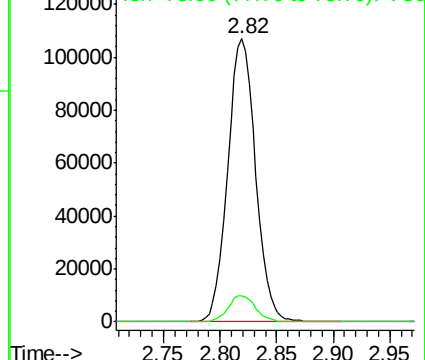
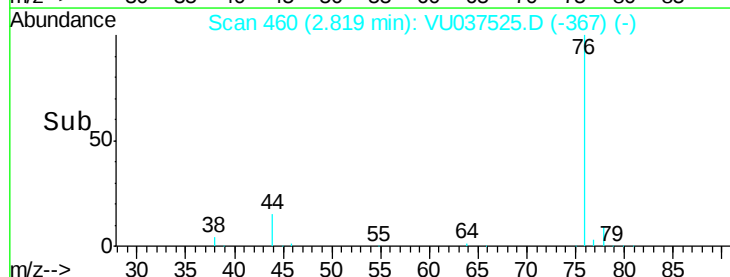
Ion Ratio Lower Upper

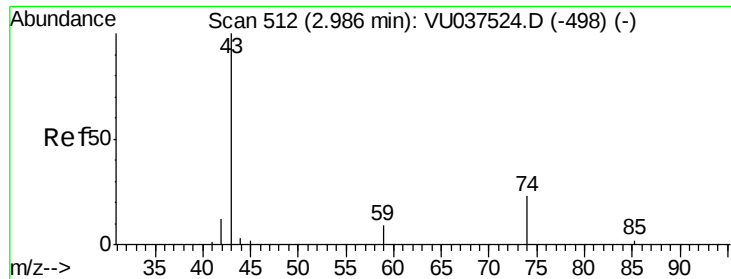
76 100

78 9.2 6.3 9.5



Abundance Ion 76.05 (75.75 to 76.75): VU037525.D (-367) (-)





#15

Methyl Acetate

Concen: 8.77 ug/L

RT: 2.98 min Scan# 511

Delta R.T. -0.00 min

Lab File: VU037525.D

Acq: 01 Apr 2020 15:03

Instrument :

MSVOA_U

ClientSampleId :

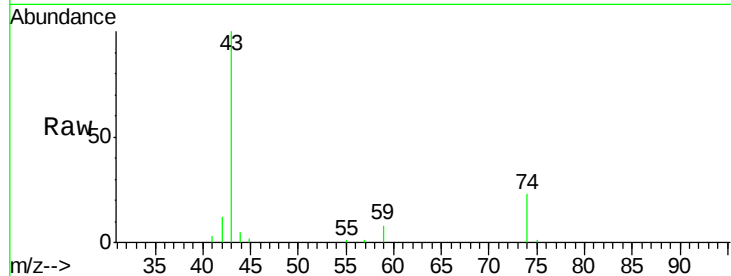
VSTD01001

Tgt Ion: 43 Resp: 27172

Ion Ratio Lower Upper

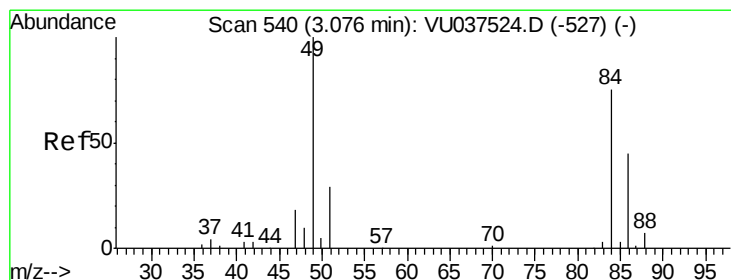
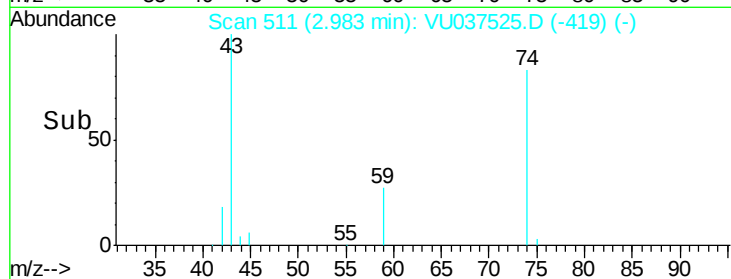
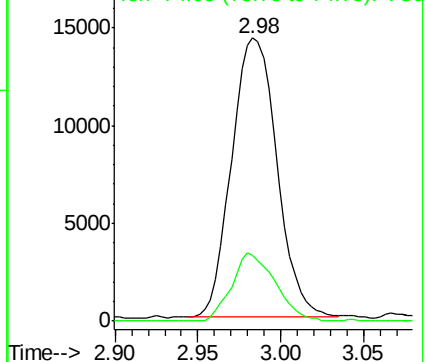
43 100

74 23.4 16.8 25.2



Abundance Ion 43.05 (42.75 to 43.75): VU037525.D (-419) (-)

Ion 74.05 (73.75 to 74.75): VU037525.D (-419) (-)



#16

Methylene chloride

Concen: 9.40 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU037525.D

Acq: 01 Apr 2020 15:03

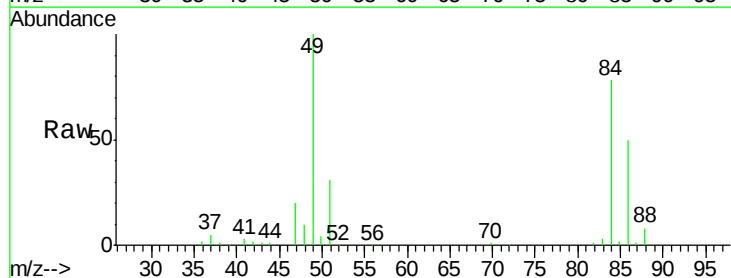
Tgt Ion: 84 Resp: 62705

Ion Ratio Lower Upper

84 100

86 63.3 41.6 77.3

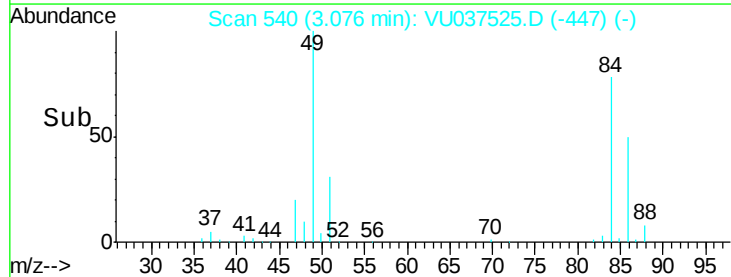
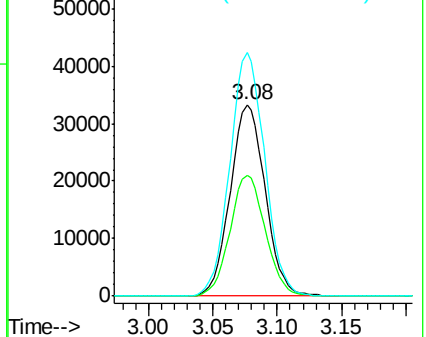
49 127.4 97.0 180.2

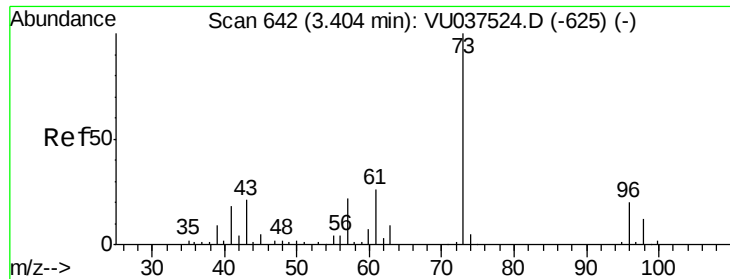


Abundance Ion 84.05 (83.75 to 84.75): VU037525.D (-447) (-)

Ion 86.00 (85.70 to 86.70): VU037525.D (-447) (-)

Ion 49.10 (48.80 to 49.80): VU037525.D (-447) (-)

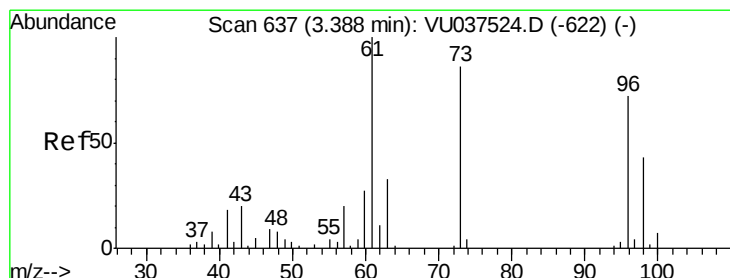
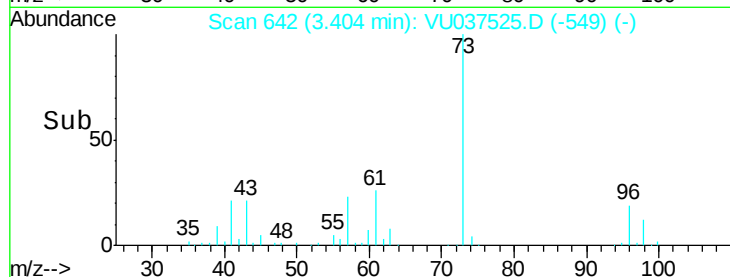
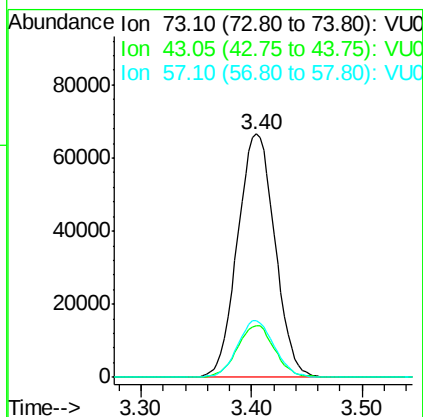
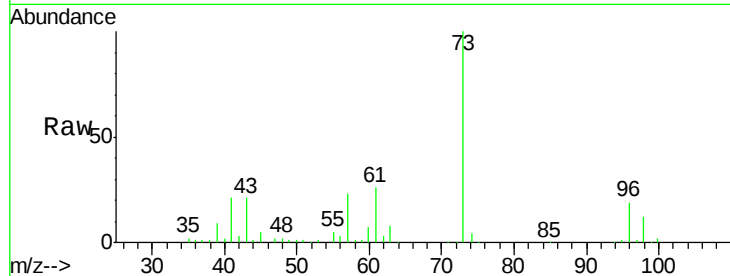




#17
Methyl tert-butyl Ether
Concen: 9.55 ug/L
RT: 3.40 min Scan# 642
Delta R.T. -0.00 min
Lab File: VU037525.D
Acq: 01 Apr 2020 15:03

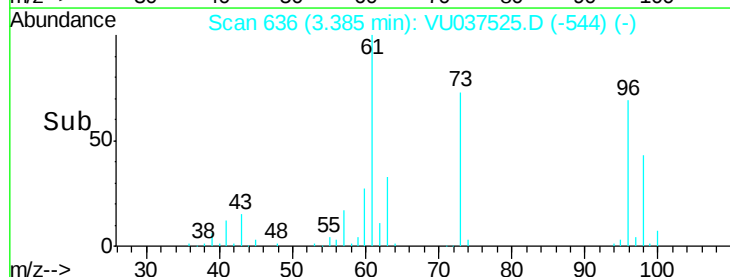
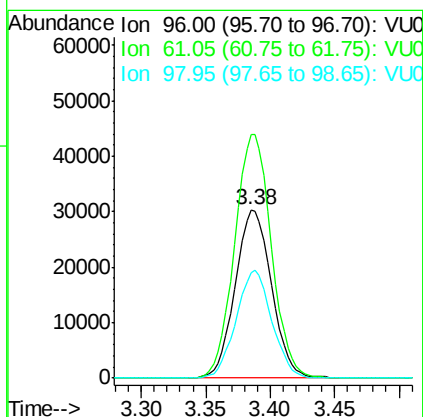
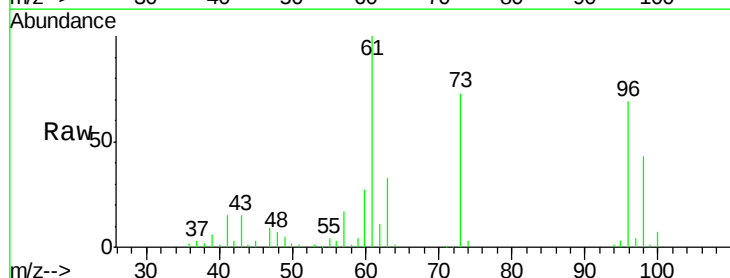
Instrument :
MSVOA_U
ClientSampleId :
VSTD01001

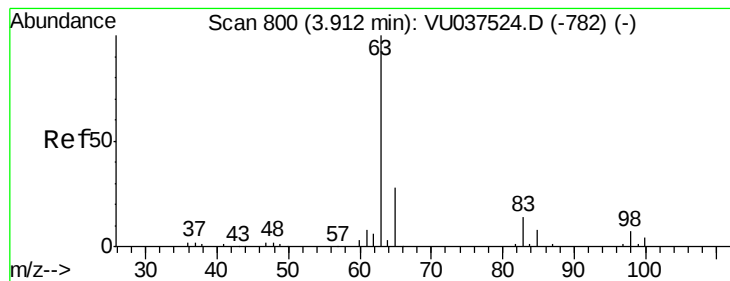
Tgt Ion: 73 Resp: 156482
Ion Ratio Lower Upper
73 100
43 20.9 18.0 27.0
57 23.1 19.0 28.6



#18
trans-1,2-Dichloroethene
Concen: 9.56 ug/L
RT: 3.38 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU037525.D
Acq: 01 Apr 2020 15:03

Tgt Ion: 96 Resp: 59502
Ion Ratio Lower Upper
96 100
61 144.2 97.4 181.0
98 62.2 42.4 78.6





#19

1,1-Dichloroethane

Concen: 9.64 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU037525.D

Acq: 01 Apr 2020 15:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD01001

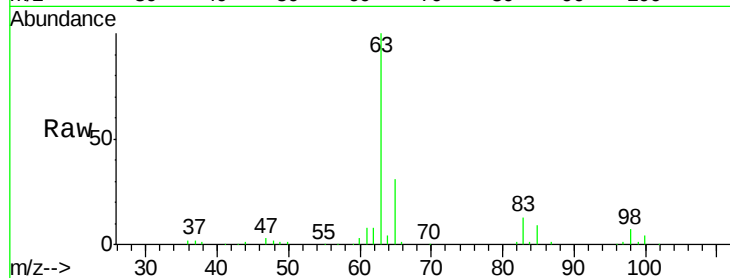
Tgt Ion: 63 Resp: 113145

Ion Ratio Lower Upper

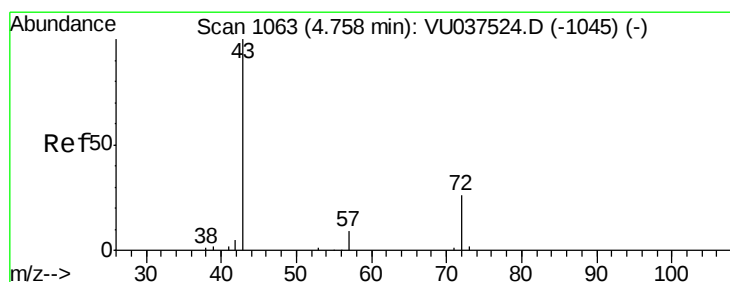
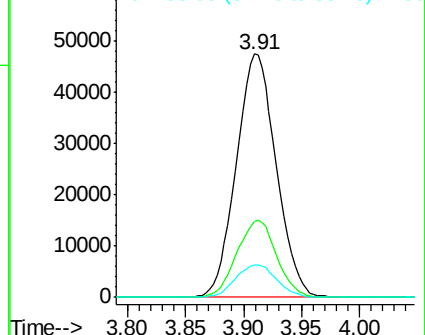
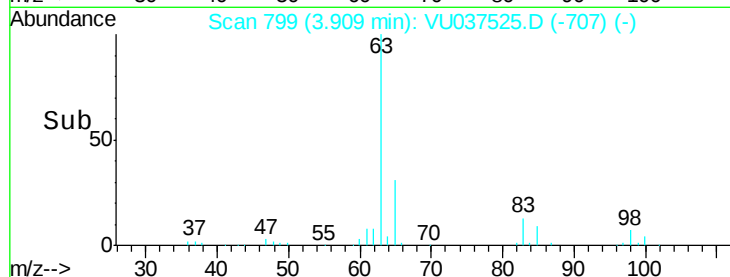
63 100

65 31.3 19.9 36.9

83 13.1 10.1 18.7



Abundance Ion 63.10 (62.80 to 63.80): VU037525.D (-707) (-)



#21

2-Butanone

Concen: 92.92 ug/L

RT: 4.75 min Scan# 1061

Delta R.T. -0.01 min

Lab File: VU037525.D

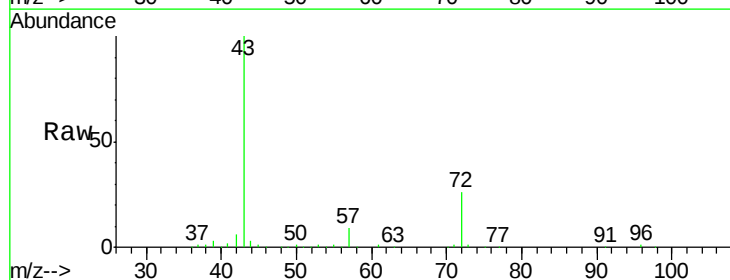
Acq: 01 Apr 2020 15:03

Tgt Ion: 43 Resp: 184191

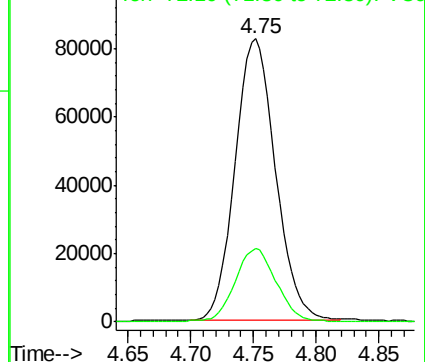
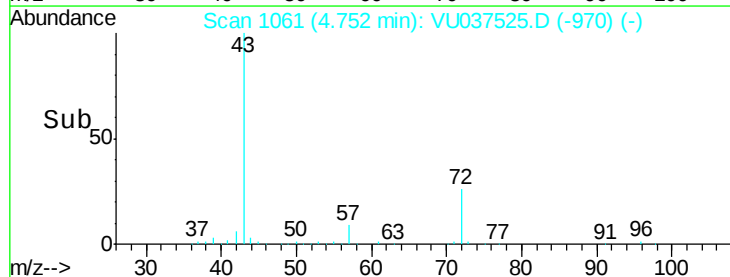
Ion Ratio Lower Upper

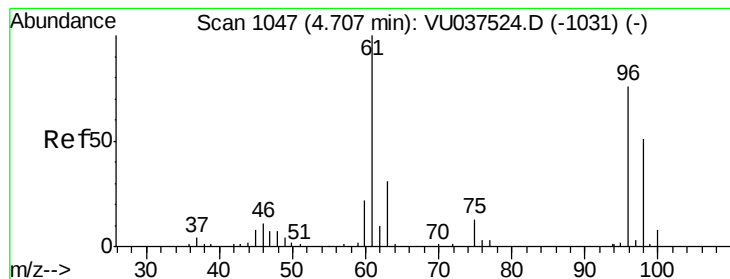
43 100

72 26.9 13.1 39.1



Abundance Ion 43.05 (42.75 to 43.75): VU037525.D (-970) (-)





#22

cis-1,2-Dichloroethene

Concen: 9.70 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037525.D

Acq: 01 Apr 2020 15:03

Instrument :

MSVOA_U

ClientSampled :

VSTD01001

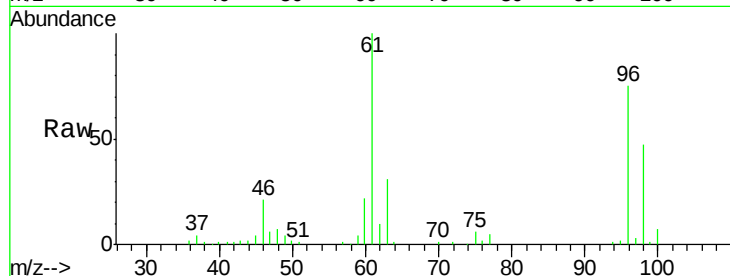
Tgt Ion: 96 Resp: 67134

Ion Ratio Lower Upper

96 100

61 132.5 92.0 170.9

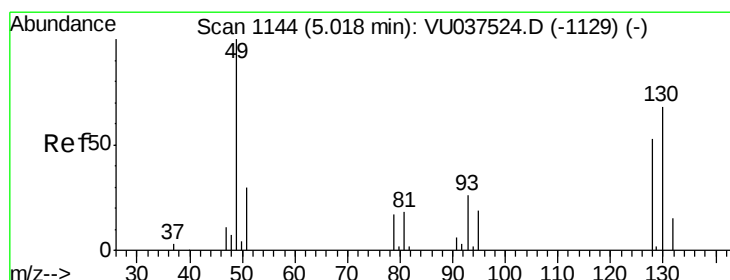
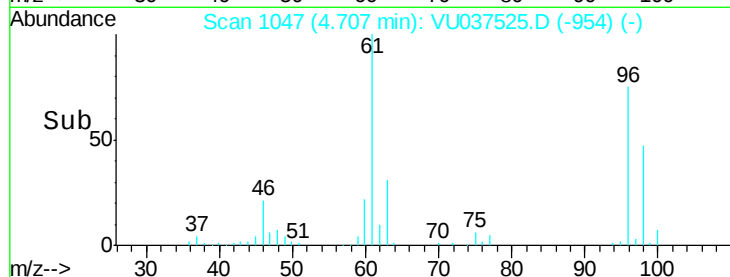
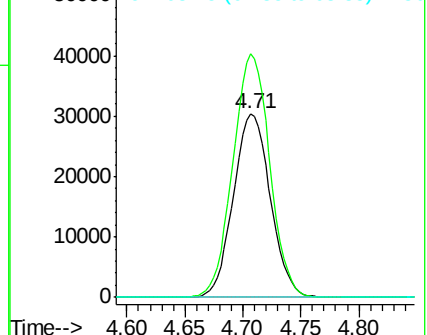
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037524.D (-1031) (-)

Ion 61.05 (60.75 to 61.75): VU037524.D (-1031) (-)

Ion 68.15 (67.85 to 68.85): VU037524.D (-1031) (-)



#23

Bromochloromethane

Concen: 9.55 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU037525.D

Acq: 01 Apr 2020 15:03

Tgt Ion: 128 Resp: 27317

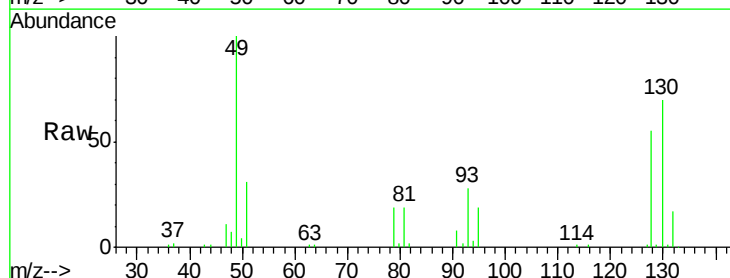
Ion Ratio Lower Upper

128 100

49 180.3 133.7 248.3

130 126.4 90.6 168.2

51 55.7 45.2 67.8

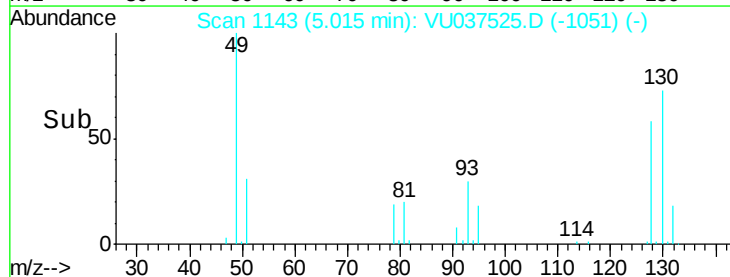
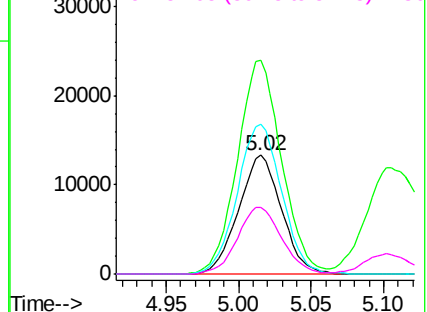


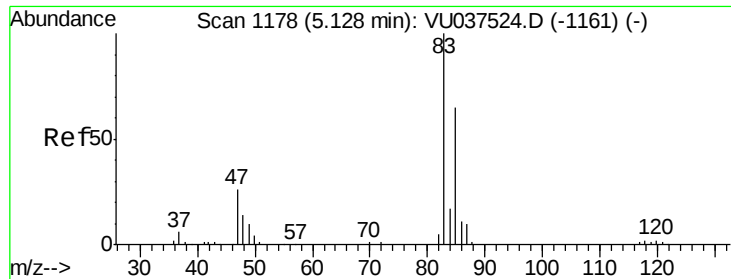
Abundance Ion 127.90 (127.60 to 128.60): VU037524.D (-1129) (-)

Ion 49.10 (48.80 to 49.80): VU037524.D (-1129) (-)

Ion 129.95 (129.65 to 130.65): VU037524.D (-1129) (-)

Ion 51.05 (50.75 to 51.75): VU037524.D (-1129) (-)

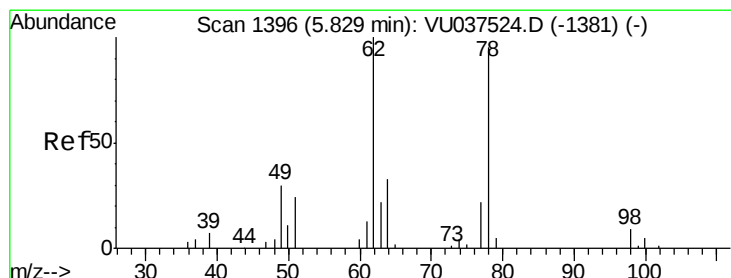
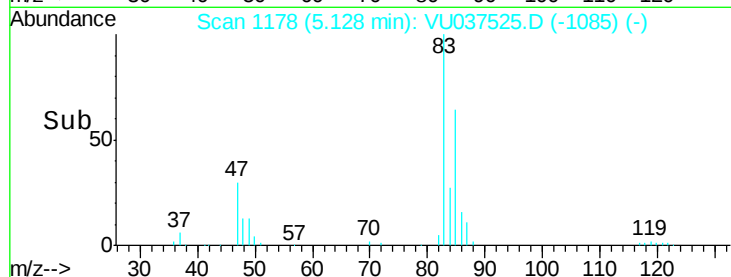
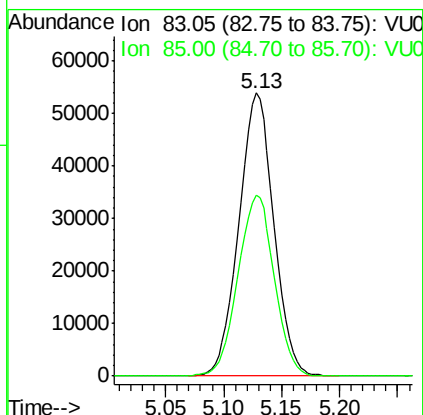
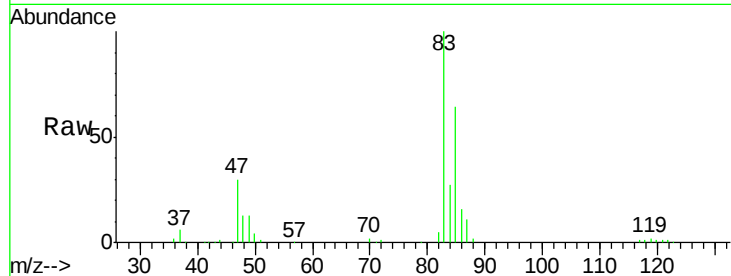




#25
Chloroform
Concen: 9.46 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037525.D
Acq: 01 Apr 2020 15:03

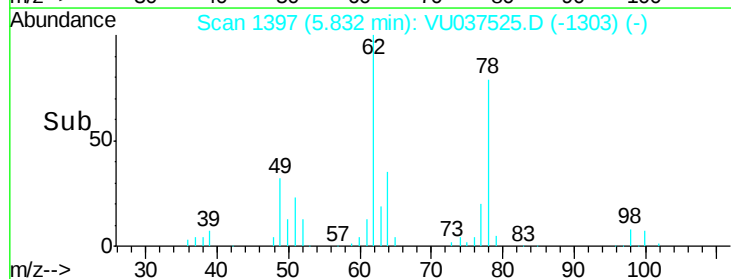
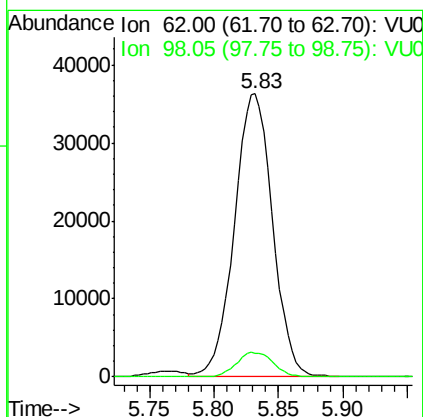
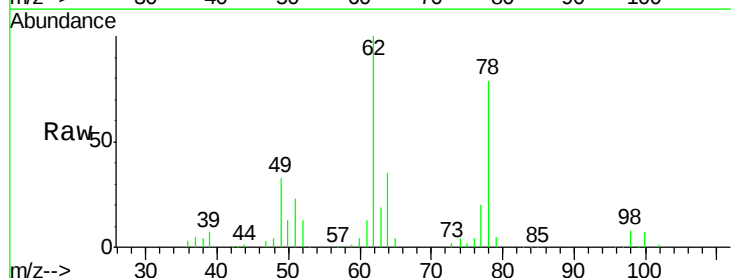
Instrument :
MSVOA_U
ClientSampleId :
VSTD01001

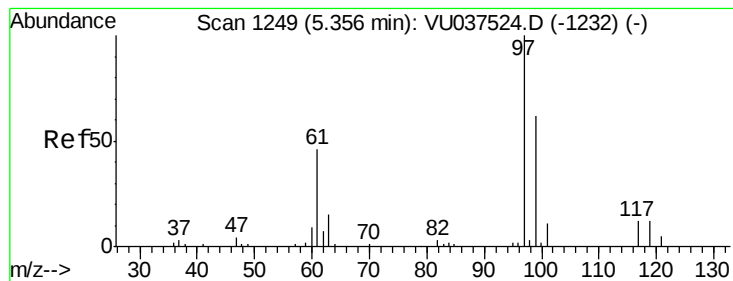
Tgt Ion: 83 Resp: 112912
Ion Ratio Lower Upper
83 100
85 63.9 45.8 85.2



#27
1,2-Dichloroethane
Concen: 9.32 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037525.D
Acq: 01 Apr 2020 15:03

Tgt Ion: 62 Resp: 74739
Ion Ratio Lower Upper
62 100
98 8.4 7.3 10.9





#29

1,1,1-Trichloroethane

Concen: 9.56 ug/L

RT: 5.36 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VU037525.D

Acq: 01 Apr 2020 15:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD01001

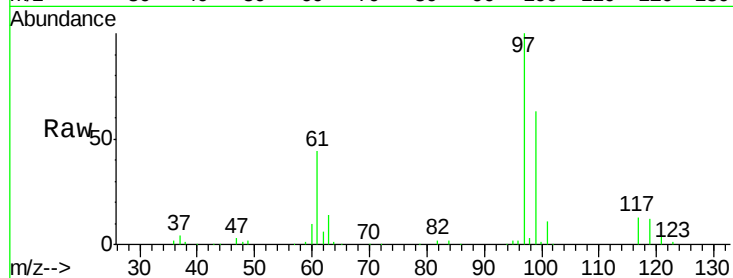
Tgt Ion: 97 Resp: 100992

Ion Ratio Lower Upper

97 100

99 64.3 50.6 76.0

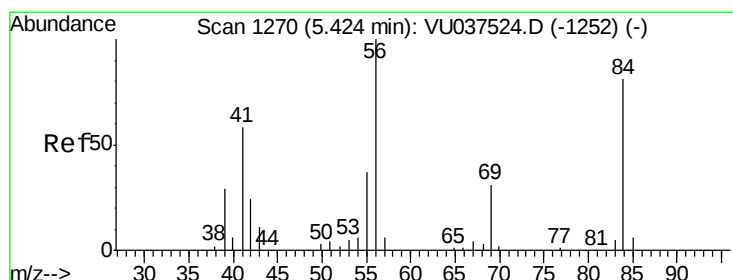
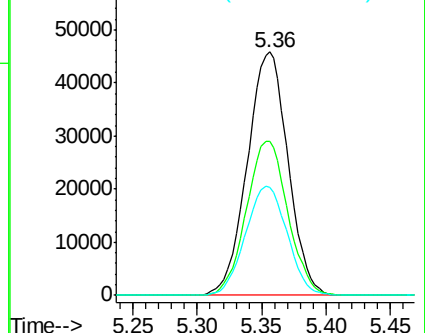
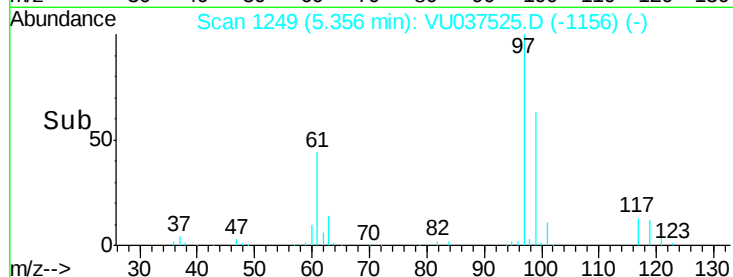
61 46.0 35.2 52.8



Abundance Ion 96.95 (96.65 to 97.65): VU037525.D (-1156) (-)

Ion 99.05 (98.75 to 99.75): VU037525.D (-1156) (-)

Ion 61.05 (60.75 to 61.75): VU037525.D (-1156) (-)



#30

Cyclohexane

Concen: 9.53 ug/L

RT: 5.43 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU037525.D

Acq: 01 Apr 2020 15:03

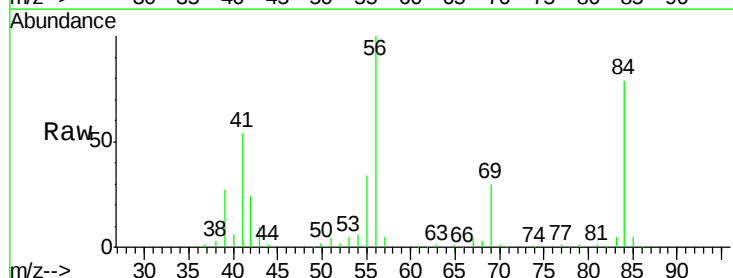
Tgt Ion: 56 Resp: 108658

Ion Ratio Lower Upper

56 100

69 30.3 23.9 35.9

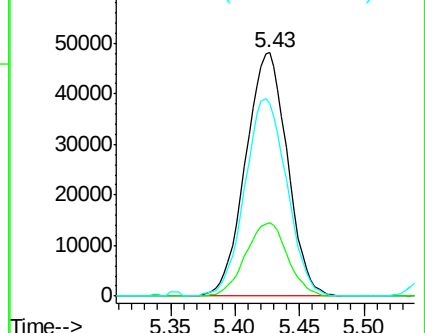
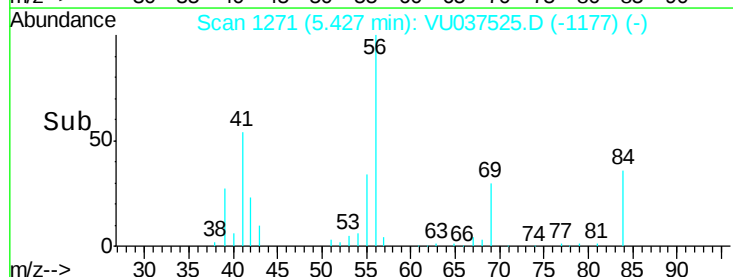
84 81.6 65.6 98.4

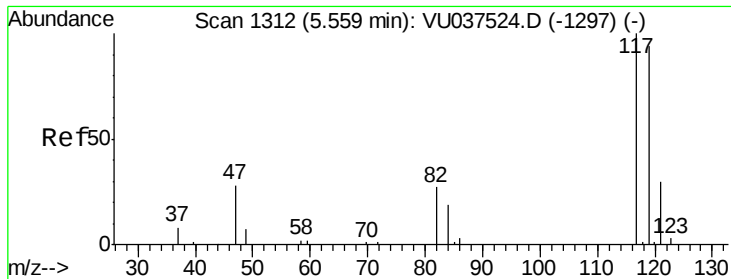


Abundance Ion 56.10 (55.80 to 56.80): VU037525.D (-1177) (-)

Ion 69.15 (68.85 to 69.85): VU037525.D (-1177) (-)

Ion 84.15 (83.85 to 84.85): VU037525.D (-1177) (-)

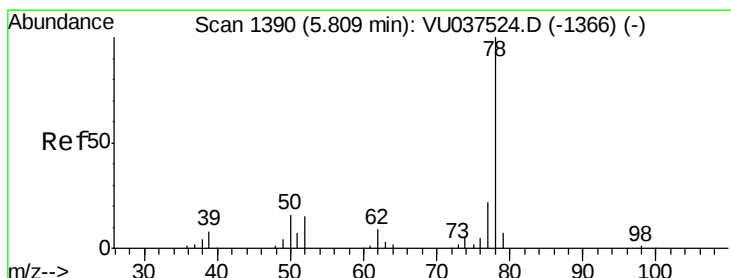
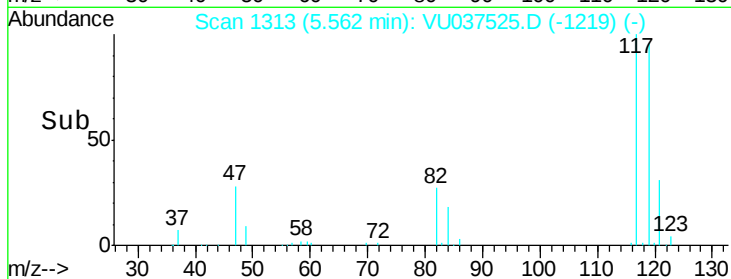
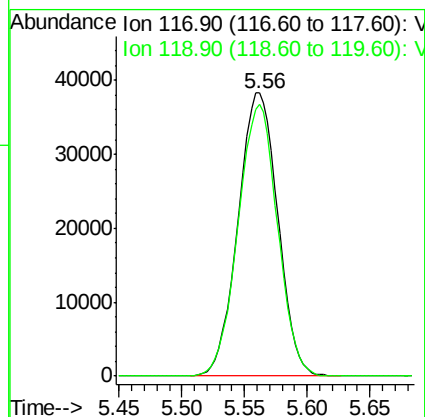
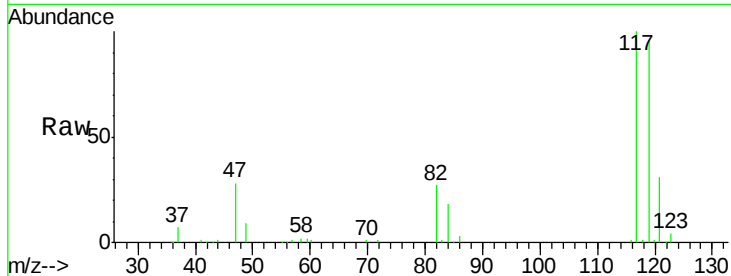




#31
Carbon tetrachloride
Concen: 9.64 ug/L
RT: 5.56 min Scan# 1313
Delta R.T. 0.00 min
Lab File: VU037525.D
Acq: 01 Apr 2020 15:03

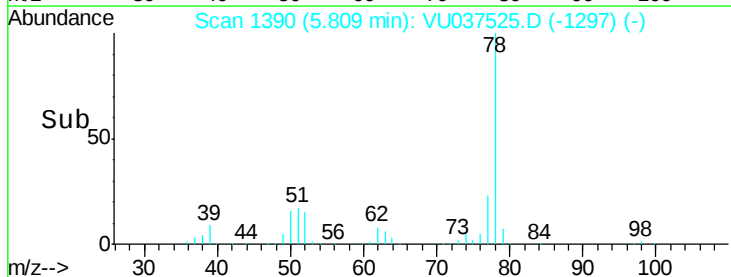
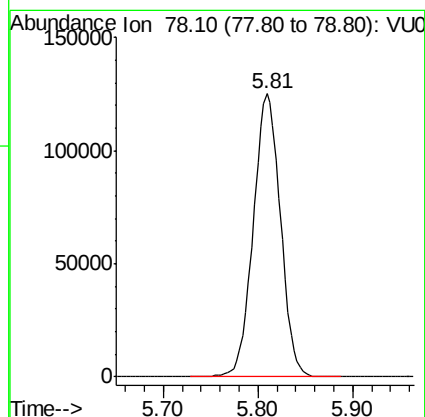
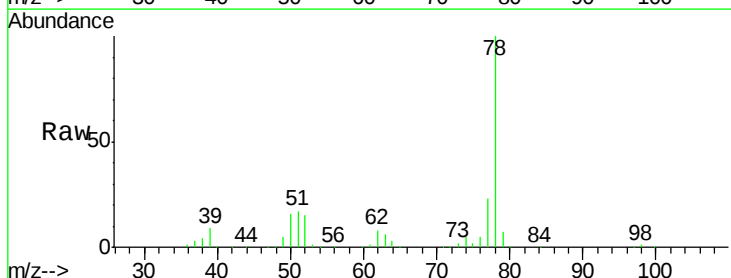
Instrument :
MSVOA_U
ClientSampleId :
VSTD01001

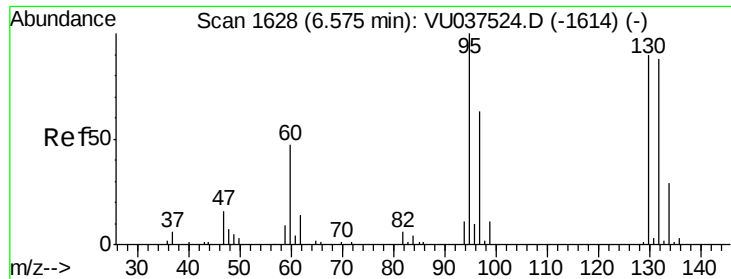
Tgt Ion:117 Resp: 84310
Ion Ratio Lower Upper
117 100
119 95.4 76.6 114.8



#33
Benzene
Concen: 9.59 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU037525.D
Acq: 01 Apr 2020 15:03

Tgt Ion: 78 Resp: 249169

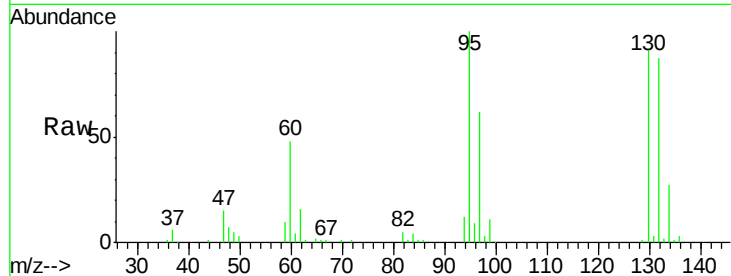




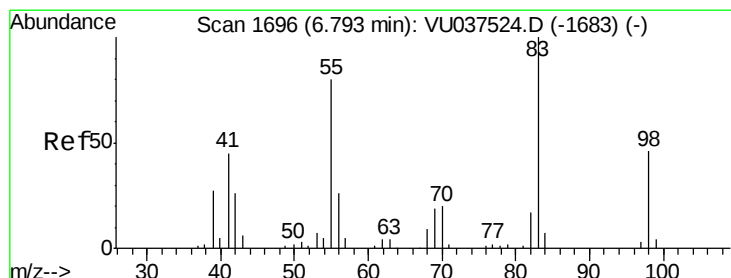
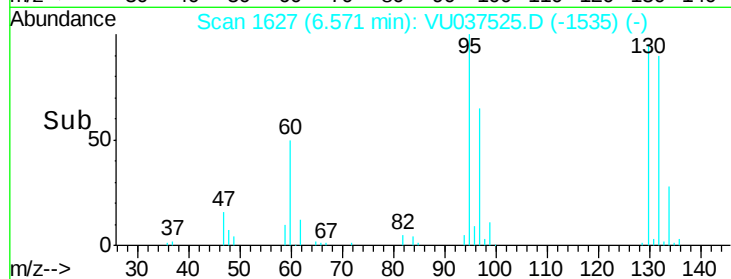
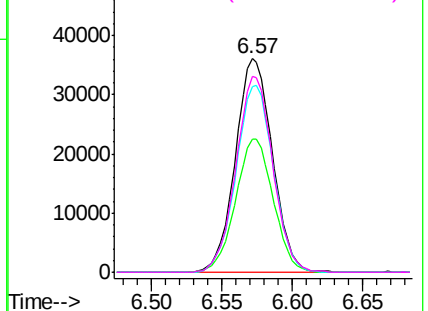
#34
 Trichloroethene
 Concen: 9.64 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU037525.D
 Acq: 01 Apr 2020 15:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01001

Tgt Ion: 95 Resp: 66202
 Ion Ratio Lower Upper
 95 100
 97 62.5 44.0 81.8
 132 86.8 61.9 114.9
 130 91.4 62.7 116.5

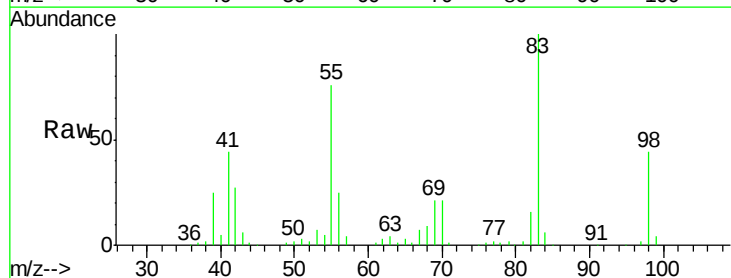


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

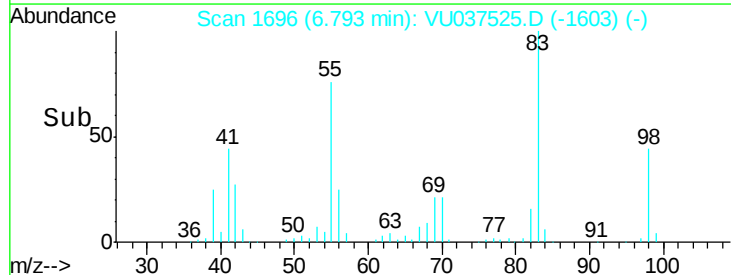
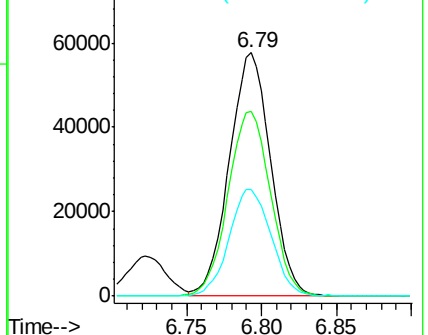


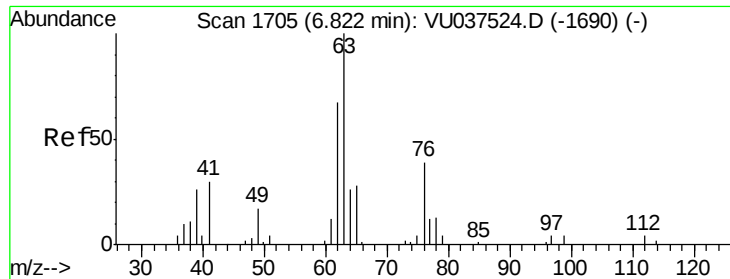
#35
 Methylcyclohexane
 Concen: 9.77 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. -0.00 min
 Lab File: VU037525.D
 Acq: 01 Apr 2020 15:03

Tgt Ion: 83 Resp: 111084
 Ion Ratio Lower Upper
 83 100
 55 78.1 63.0 94.6
 98 44.5 35.3 52.9



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

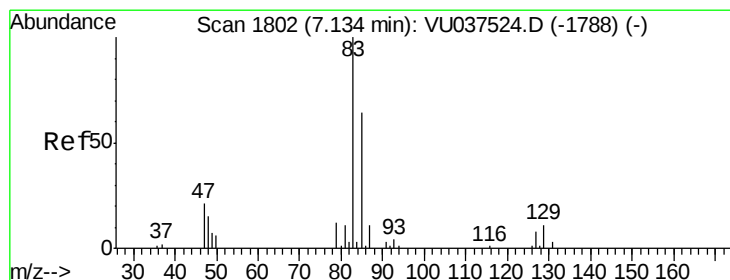
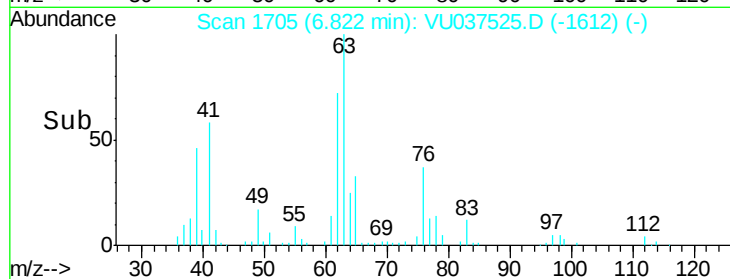
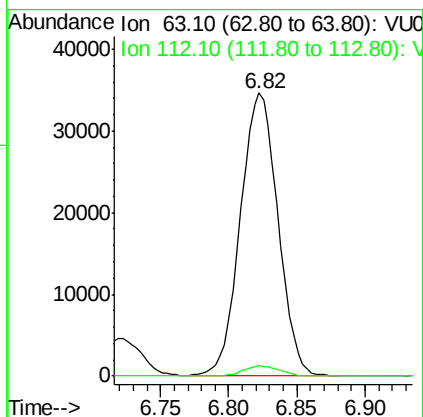
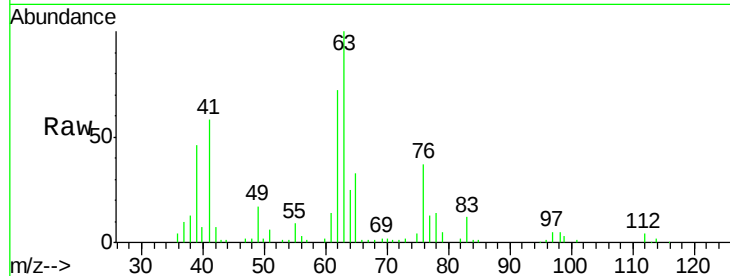




#37
 1,2-Dichloropropane
 Concen: 9.58 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. -0.00 min
 Lab File: VU037525.D
 Acq: 01 Apr 2020 15:03

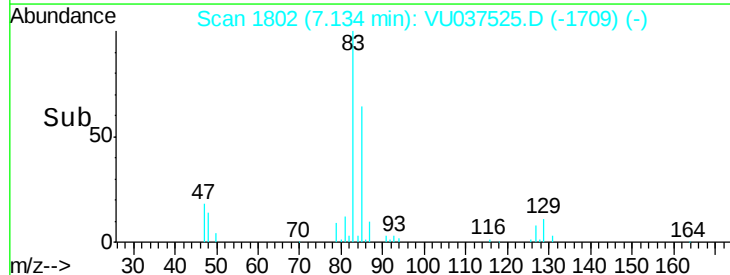
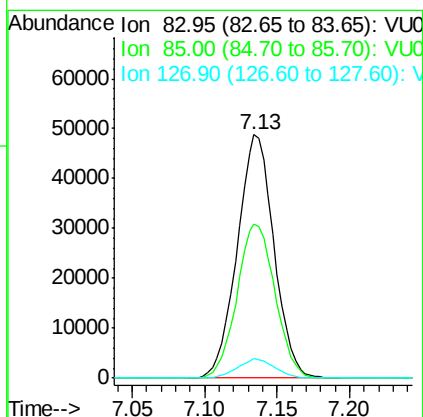
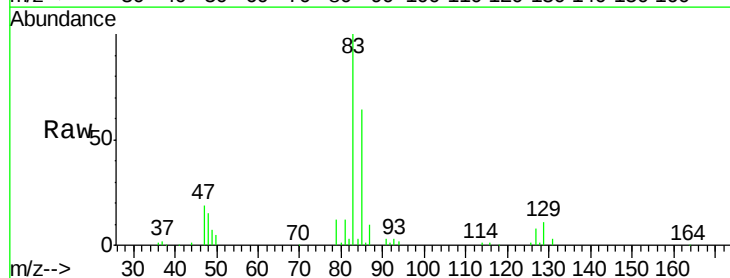
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01001

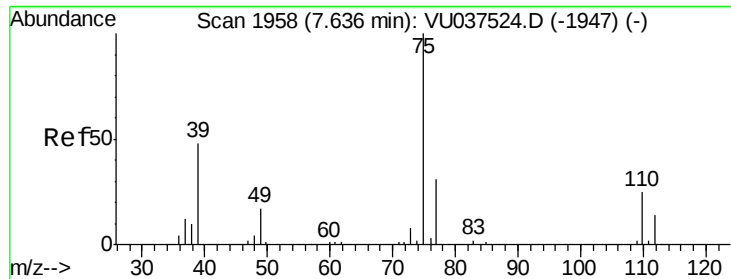
Tgt Ion: 63 Resp: 66290
 Ion Ratio Lower Upper
 63 100
 112 3.5 2.6 3.8



#38
 Bromodichloromethane
 Concen: 9.53 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VU037525.D
 Acq: 01 Apr 2020 15:03

Tgt Ion: 83 Resp: 85846
 Ion Ratio Lower Upper
 83 100
 85 63.5 44.4 82.5
 127 7.8 6.5 9.7

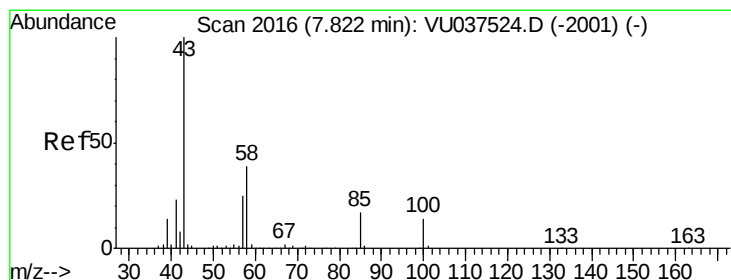
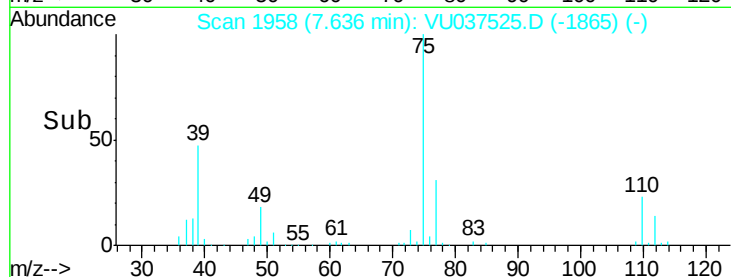
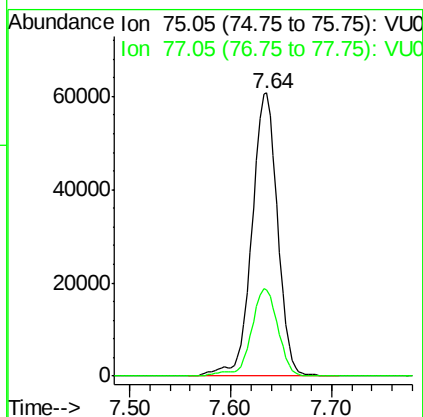
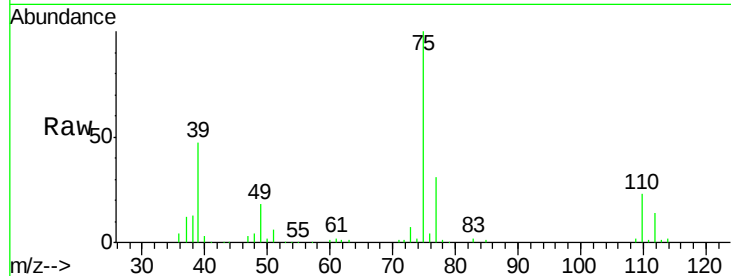




#39
 cis-1,3-Dichloropropene
 Concen: 10.02 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. -0.00 min
 Lab File: VU037525.D
 Acq: 01 Apr 2020 15:03

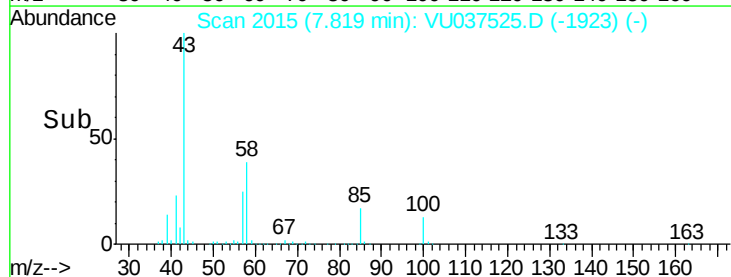
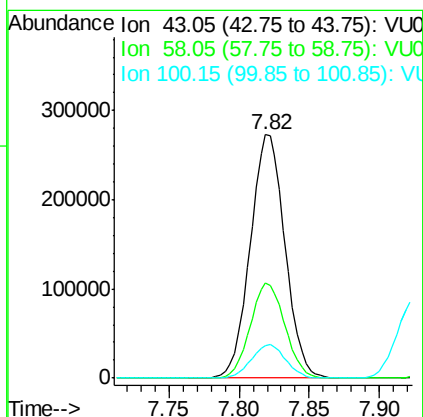
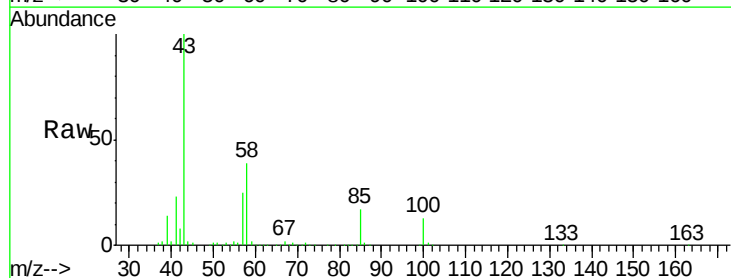
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01001

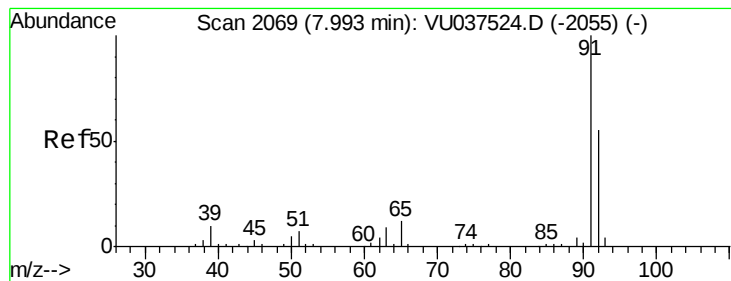
Tgt Ion: 75 Resp: 106471
 Ion Ratio Lower Upper
 75 100
 77 30.5 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 92.54 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VU037525.D
 Acq: 01 Apr 2020 15:03

Tgt Ion: 43 Resp: 469212
 Ion Ratio Lower Upper
 43 100
 58 39.2 31.7 47.5
 100 13.6 11.0 16.6





#42

Toluene

Concen: 9.87 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037525.D

Acq: 01 Apr 2020 15:03

Instrument :

MSVOA_U

ClientSampleId :

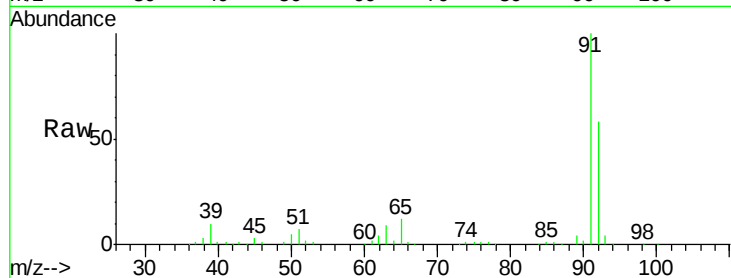
VSTD01001

Tgt Ion: 91 Resp: 270691

Ion Ratio Lower Upper

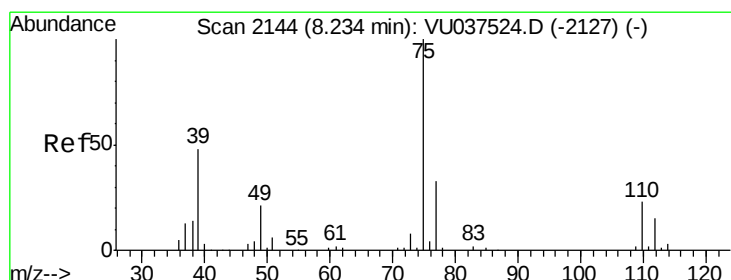
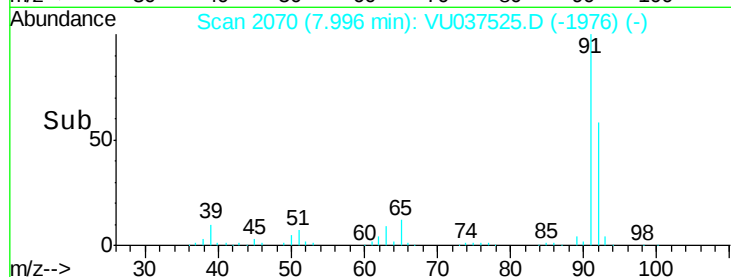
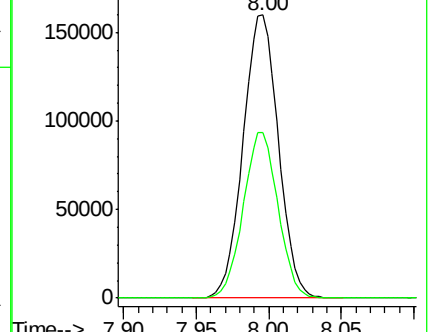
91 100

92 58.4 38.6 71.8



Abundance Ion 91.15 (90.85 to 91.85): VU037524.D (-2055) (-)

Ion 92.15 (91.85 to 92.85): VU037524.D (-2055) (-)



#44

trans-1,3-Dichloropropene

Concen: 9.88 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU037525.D

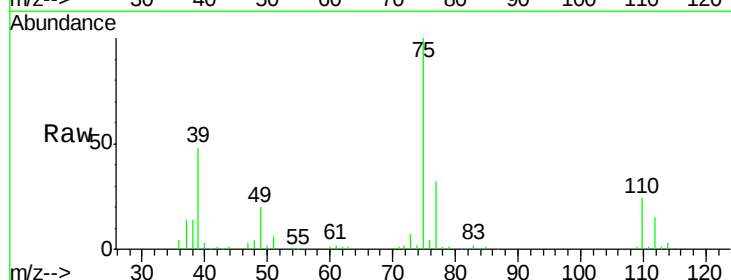
Acq: 01 Apr 2020 15:03

Tgt Ion: 75 Resp: 93790

Ion Ratio Lower Upper

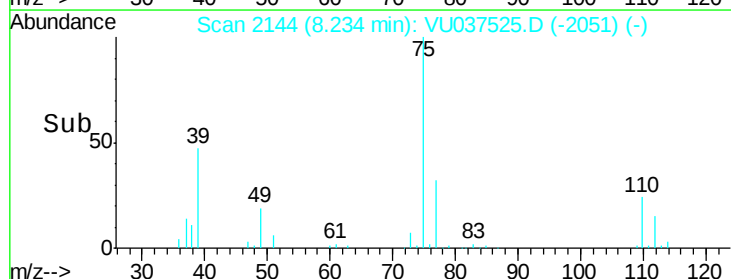
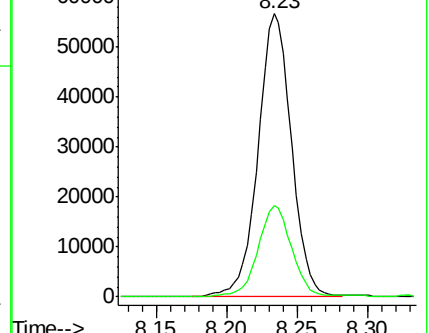
75 100

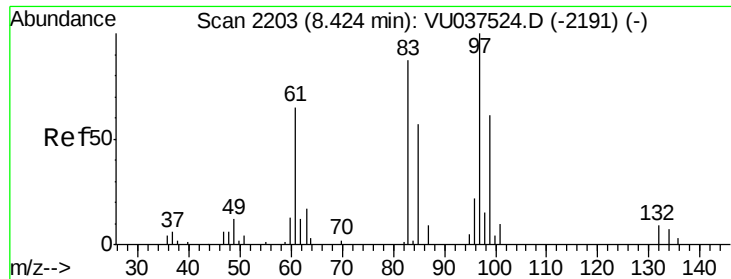
77 32.2 22.9 42.5



Abundance Ion 75.05 (74.75 to 75.75): VU037524.D (-2127) (-)

Ion 77.05 (76.75 to 77.75): VU037524.D (-2127) (-)

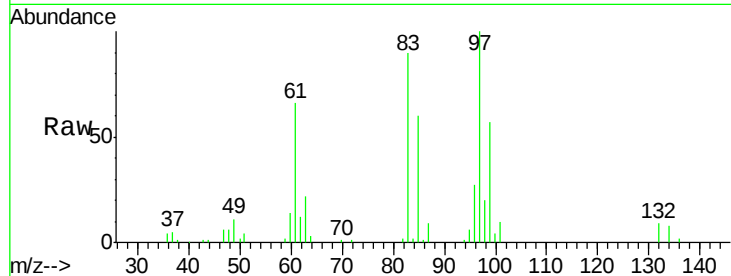




#45
 1,1,2-Trichloroethane
 Concen: 9.78 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. -0.00 min
 Lab File: VU037525.D
 Acq: 01 Apr 2020 15:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01001

Tgt Ion:	97	Resp:	47889
Ion	Ratio	Lower	Upper
97	100		
99	56.9	42.8	79.4
83	89.8	61.0	113.4
85	59.5	39.8	73.8

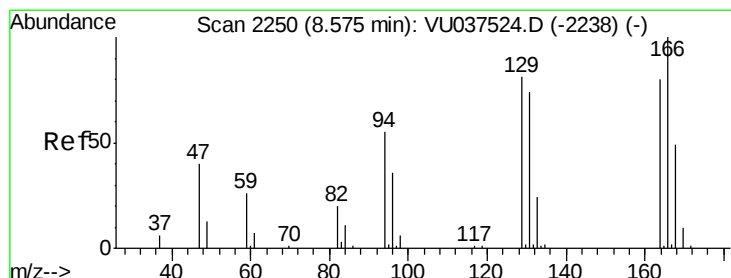
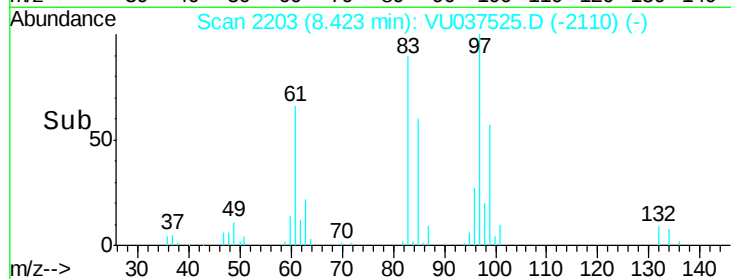
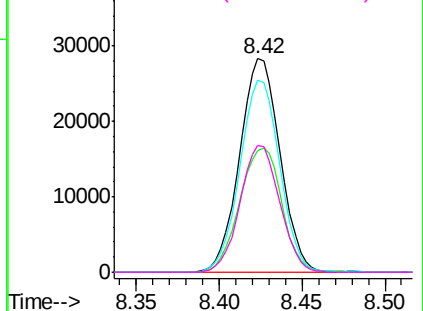


Abundance Ion 96.95 (96.65 to 97.65): VU037525.D (-2110) (-)

Ion 99.05 (98.75 to 99.75): VU037525.D (-2110) (-)

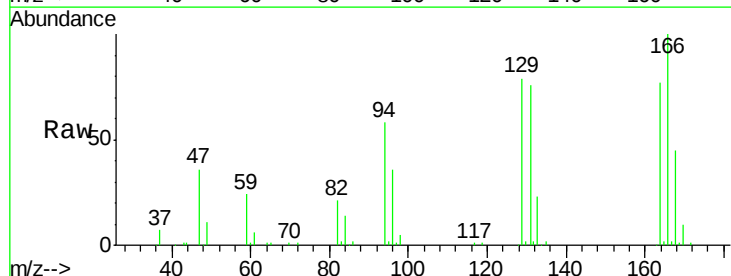
Ion 82.95 (82.65 to 83.65): VU037525.D (-2110) (-)

Ion 85.00 (84.70 to 85.70): VU037525.D (-2110) (-)



#47
 Tetrachloroethene
 Concen: 9.79 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU037525.D
 Acq: 01 Apr 2020 15:03

Tgt Ion:	164	Resp:	44678
Ion	Ratio	Lower	Upper
164	100		
129	102.4	70.4	130.8
131	97.6	64.4	119.6
166	129.2	87.1	161.7

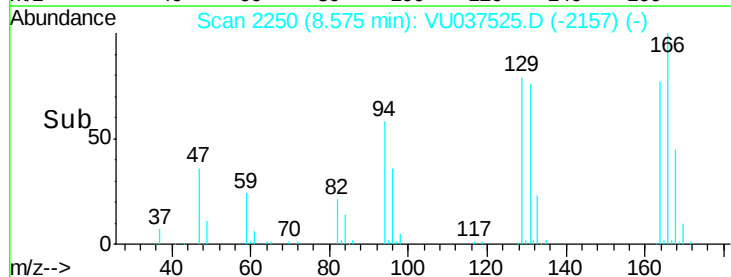
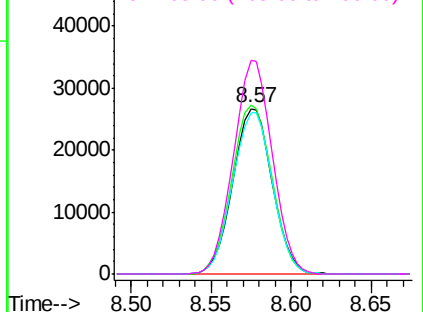


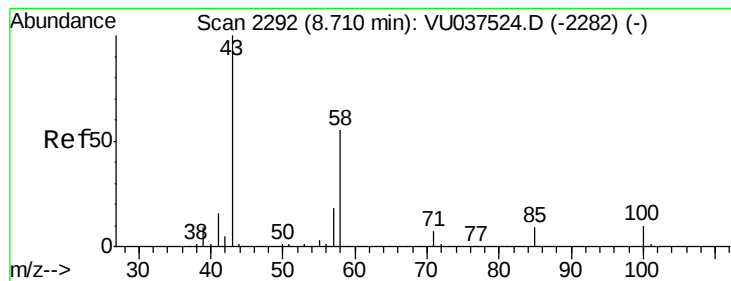
Abundance Ion 163.90 (163.60 to 164.60): VU037525.D (-2157) (-)

Ion 128.95 (128.65 to 129.65): VU037525.D (-2157) (-)

Ion 130.95 (130.65 to 131.65): VU037525.D (-2157) (-)

Ion 165.90 (165.60 to 166.60): VU037525.D (-2157) (-)





#48

2-Hexanone

Concen: 92.90 ug/L

RT: 8.71 min Scan# 2292

Delta R.T. -0.00 min

Lab File: VU037525.D

Acq: 01 Apr 2020 15:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD01001

Tgt Ion: 43 Resp: 340007

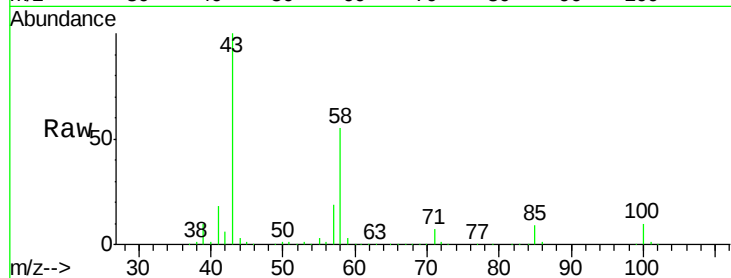
Ion Ratio Lower Upper

43 100

58 54.8 45.0 67.6

57 18.7 14.9 22.3

100 10.2 8.4 12.6

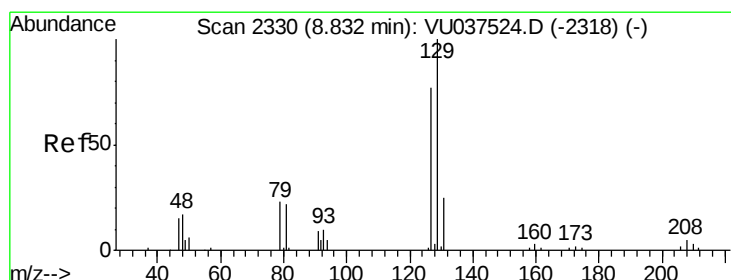
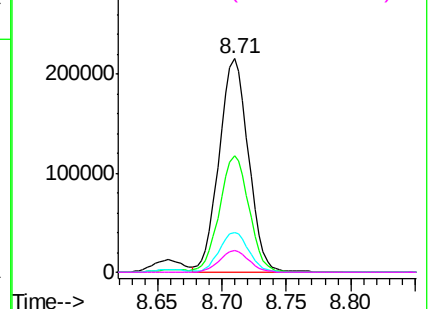
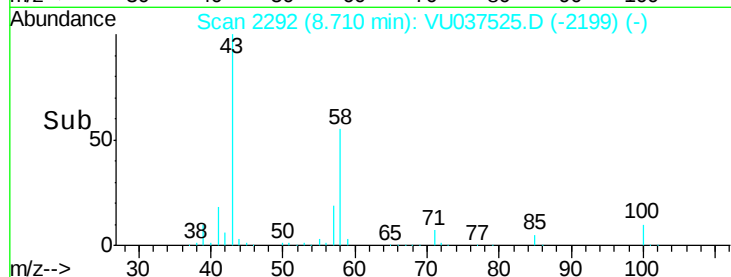


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0



#49

Dibromochloromethane

Concen: 9.69 ug/L

RT: 8.83 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VU037525.D

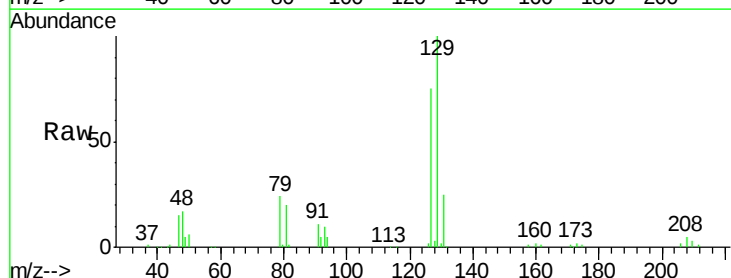
Acq: 01 Apr 2020 15:03

Tgt Ion: 129 Resp: 57695

Ion Ratio Lower Upper

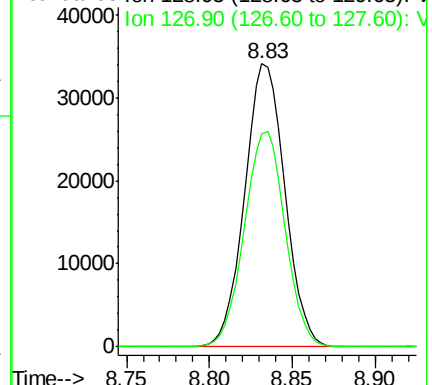
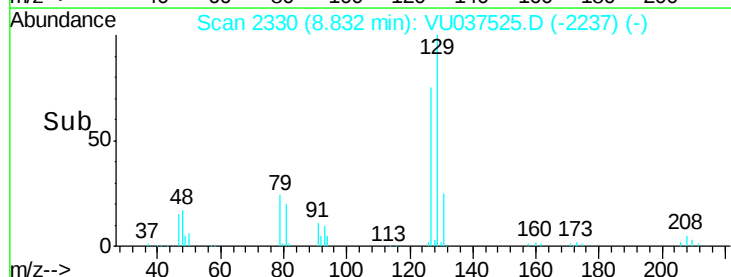
129 100

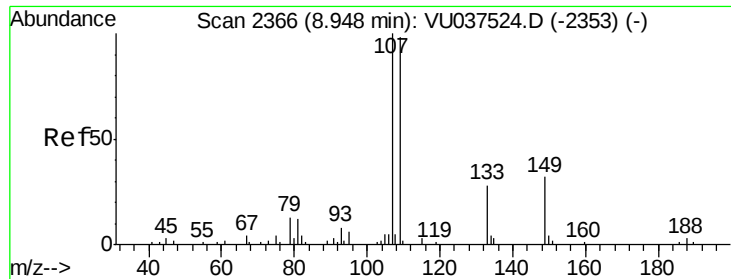
127 75.1 53.6 99.6



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

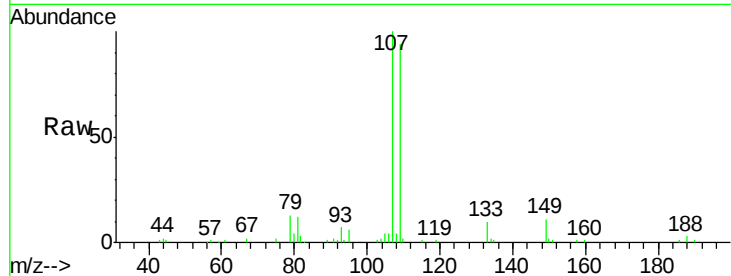




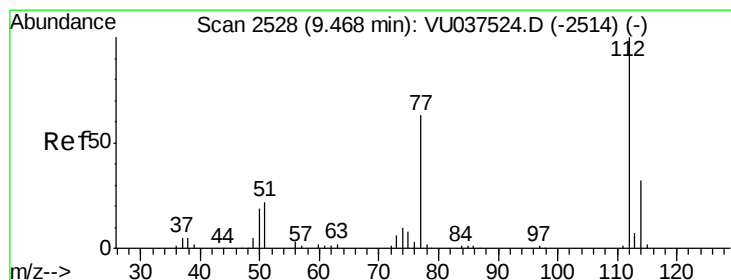
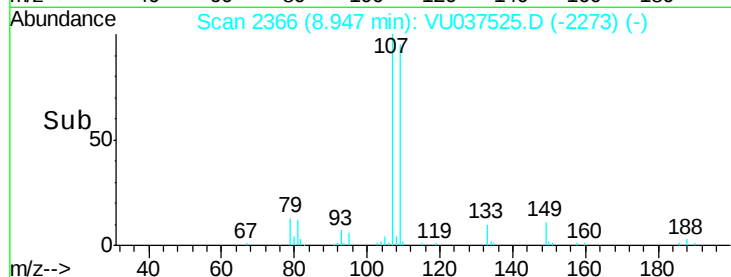
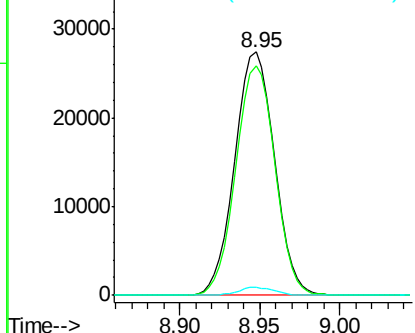
#50
1,2-Dibromoethane
Concen: 9.60 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. -0.00 min
Lab File: VU037525.D
Acq: 01 Apr 2020 15:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD01001

Tgt Ion:107 Resp: 46529
Ion Ratio Lower Upper
107 100
109 94.1 68.9 127.9
188 3.1 2.2 3.4

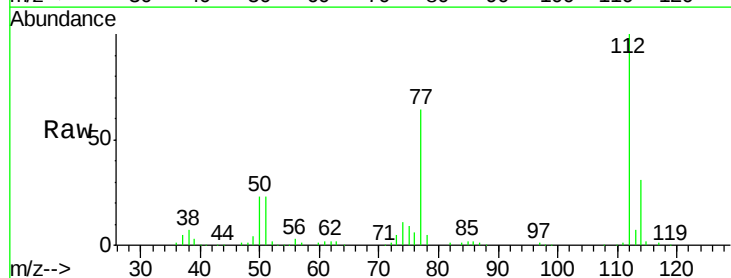


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

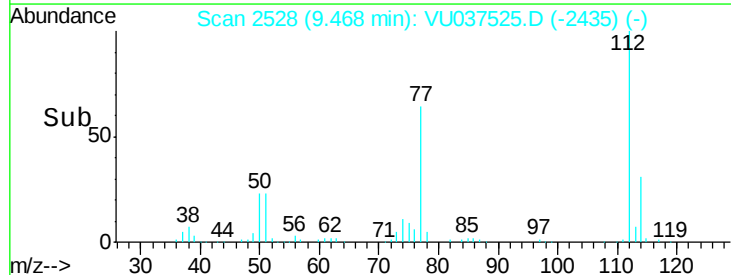
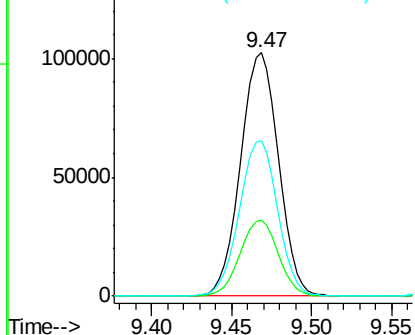


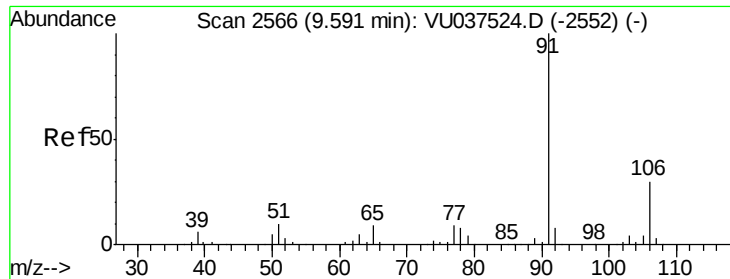
#51
Chlorobenzene
Concen: 9.73 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. -0.00 min
Lab File: VU037525.D
Acq: 01 Apr 2020 15:03

Tgt Ion:112 Resp: 165551
Ion Ratio Lower Upper
112 100
114 31.4 22.4 41.6
77 63.8 50.7 76.1



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): V





#52

Ethylbenzene

Concen: 9.71 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VU037525.D

Acq: 01 Apr 2020 15:03

Instrument :

MSVOA_U

ClientSampleId :

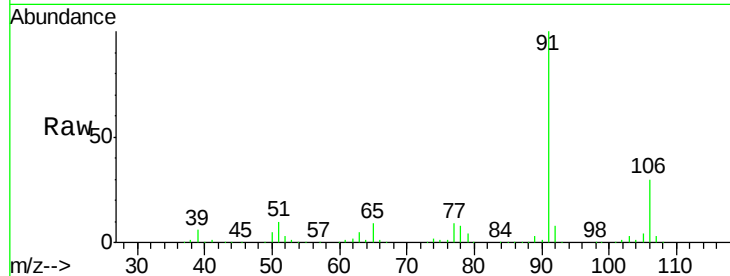
VSTD01001

Tgt Ion: 91 Resp: 308347

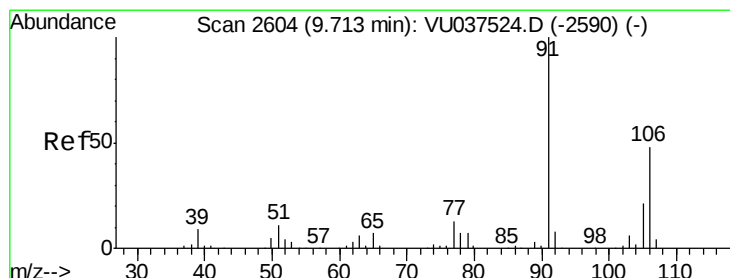
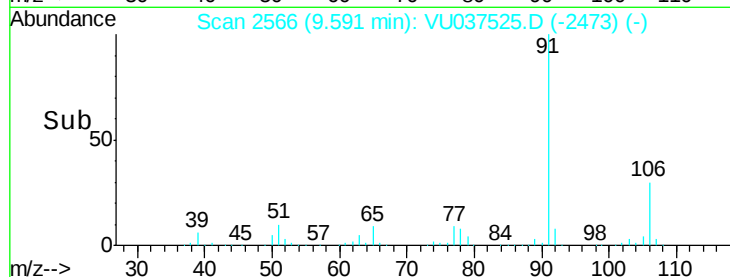
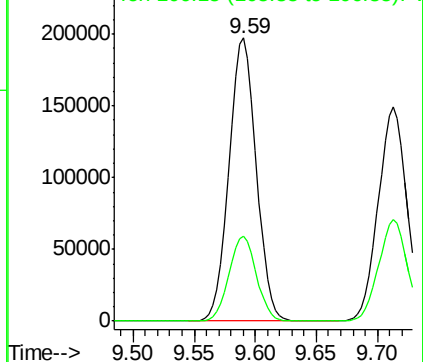
Ion Ratio Lower Upper

91 100

106 30.2 21.3 39.5



Abundance Ion 91.15 (90.85 to 91.85): VU037524.D (-2552) (-)



#53

m,p-Xylene

Concen: 9.70 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU037525.D

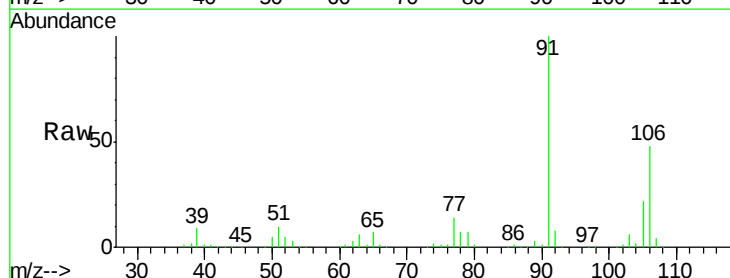
Acq: 01 Apr 2020 15:03

Tgt Ion: 106 Resp: 114520

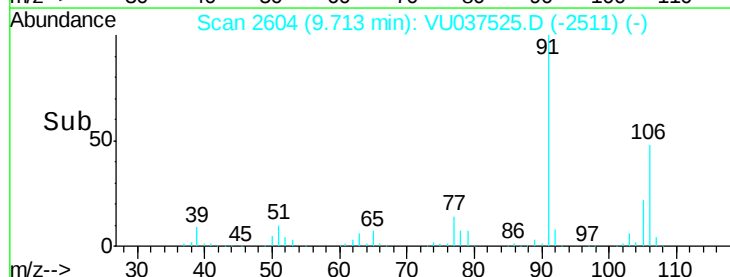
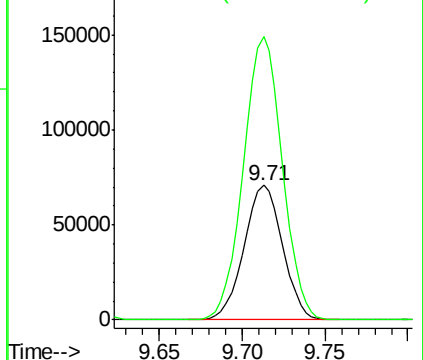
Ion Ratio Lower Upper

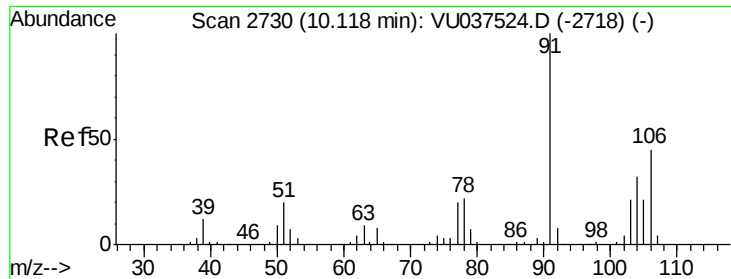
106 100

91 210.0 147.4 273.8



Abundance Ion 106.15 (105.85 to 106.85): VU037524.D (-2590) (-)

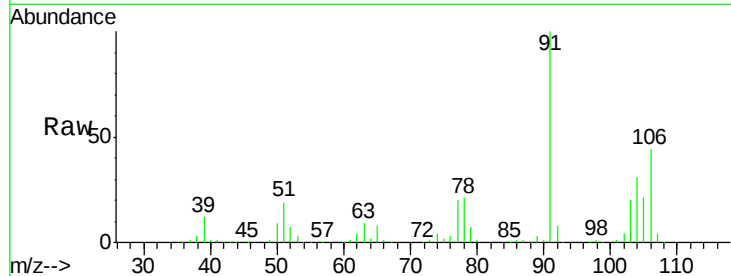




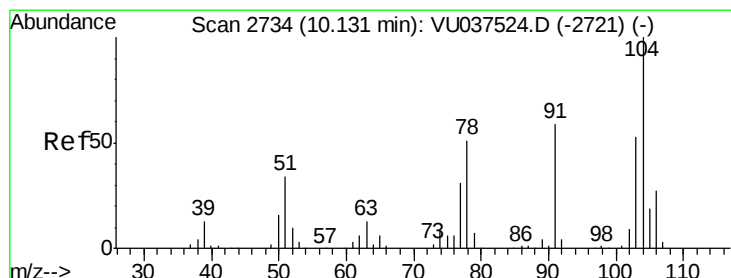
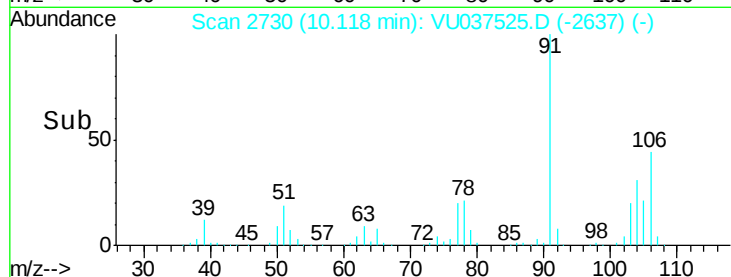
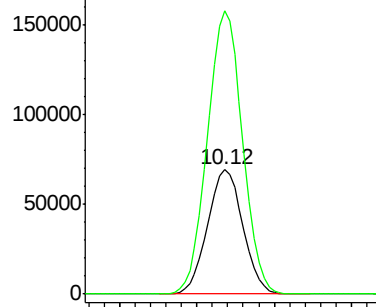
#54
o-Xylene
Concen: 9.80 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU037525.D
Acq: 01 Apr 2020 15:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD01001

Tgt Ion:106 Resp: 109934
Ion Ratio Lower Upper
106 100
91 227.6 156.8 291.2

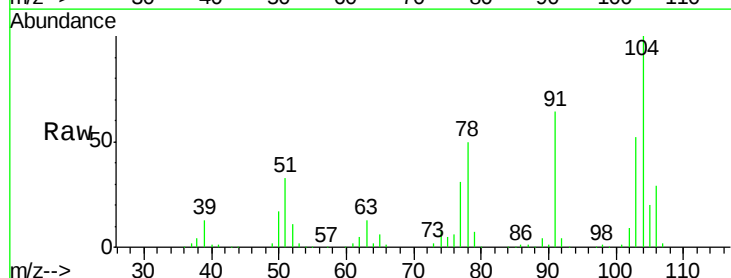


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

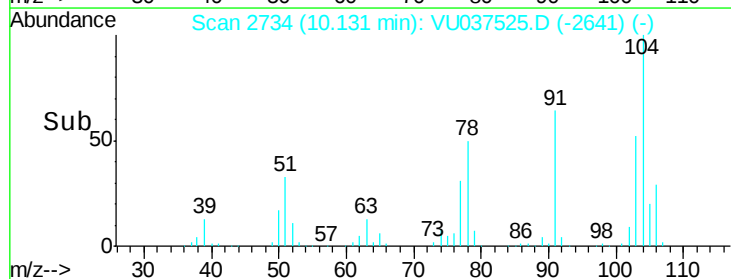
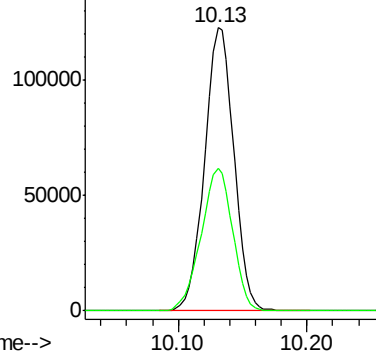


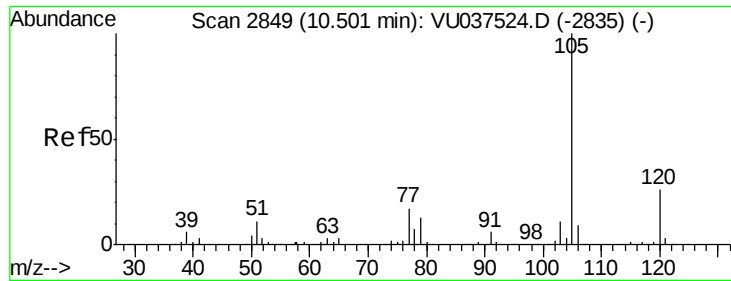
#55
Styrene
Concen: 9.90 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU037525.D
Acq: 01 Apr 2020 15:03

Tgt Ion:104 Resp: 193352
Ion Ratio Lower Upper
104 100
78 50.3 36.1 67.1



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 10.03 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU037525.D

Acq: 01 Apr 2020 15:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD01001

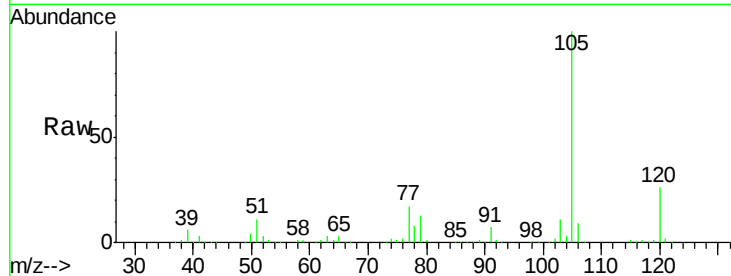
Tgt Ion: 105 Resp: 303856

Ion Ratio Lower Upper

105 100

120 25.6 20.6 31.0

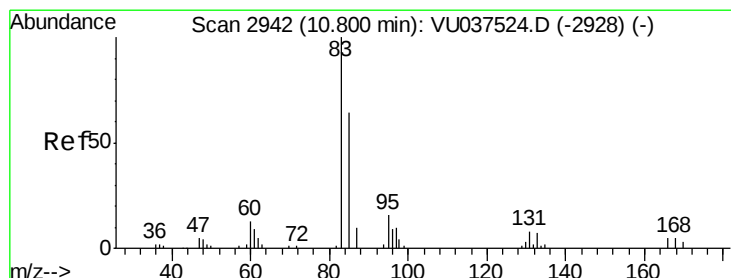
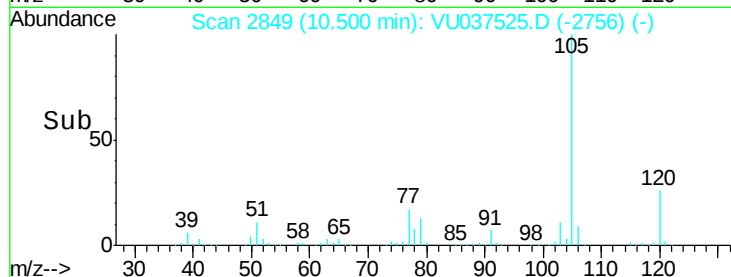
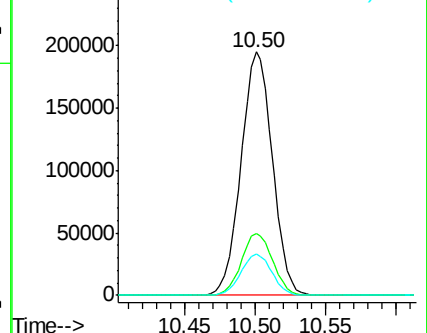
77 16.8 13.5 20.3



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: 9.85 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. -0.00 min

Lab File: VU037525.D

Acq: 01 Apr 2020 15:03

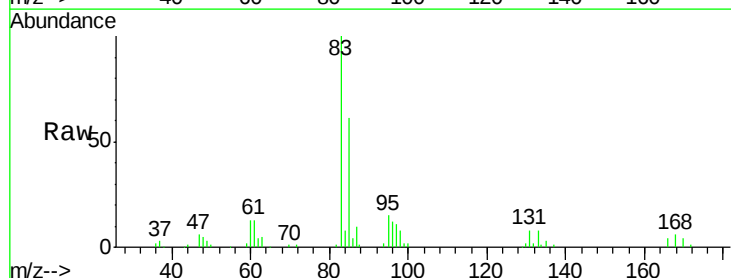
Tgt Ion: 83 Resp: 65182

Ion Ratio Lower Upper

83 100

85 61.0 45.2 84.0

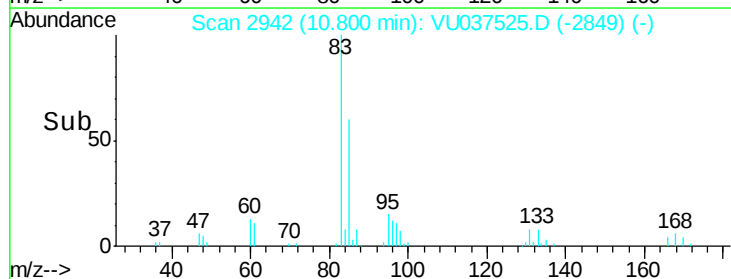
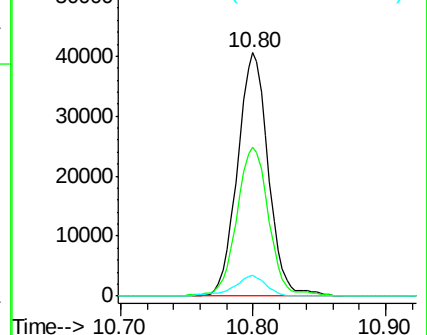
131 8.4 6.6 9.8

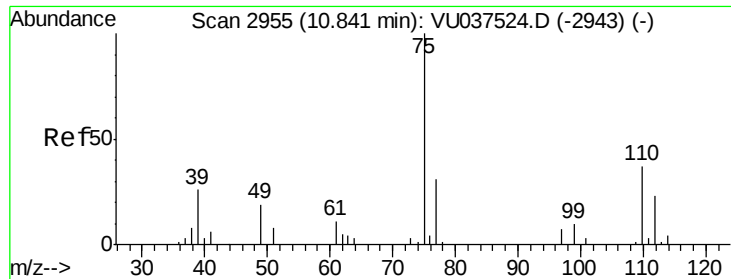


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 9.37 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. -0.00 min

Lab File: VU037525.D

Acq: 01 Apr 2020 15:03

Instrument :

MSVOA_U

ClientSampleId :

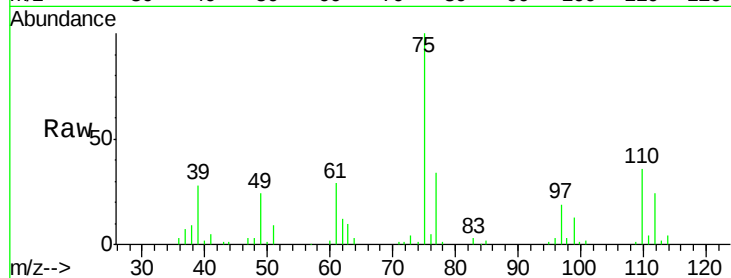
VSTD01001

Tgt Ion: 75 Resp: 44157

Ion Ratio Lower Upper

75 100

77 32.8 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VU037524.D (-2943) (-)

Ion 77.00 (76.70 to 77.70): VU037524.D (-2943) (-)

10.84

30000

25000

20000

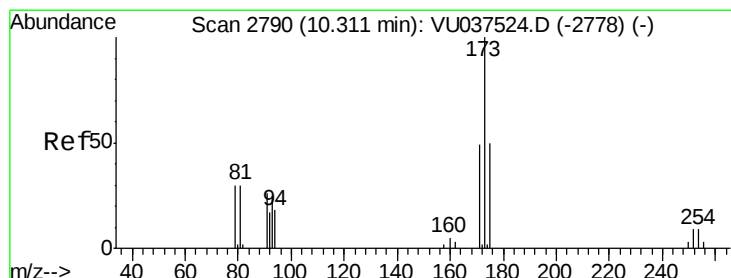
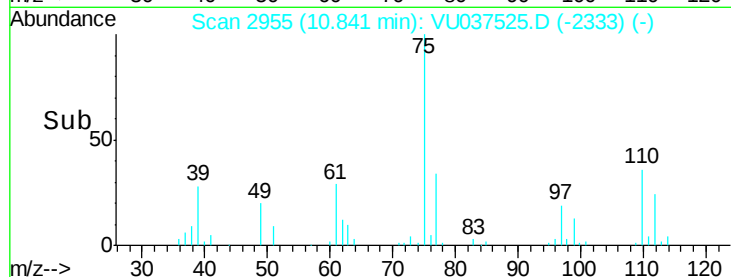
15000

10000

5000

0

Time-->



#61

Bromoform

Concen: 9.56 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. -0.00 min

Lab File: VU037525.D

Acq: 01 Apr 2020 15:03

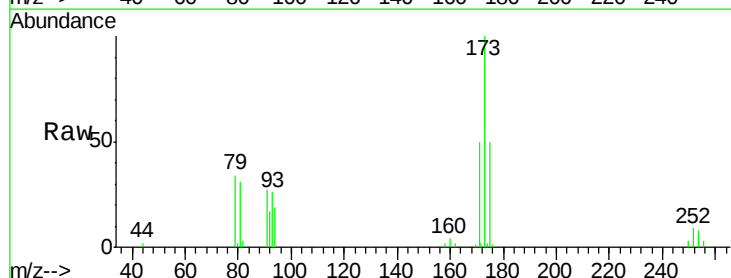
Tgt Ion: 173 Resp: 32419

Ion Ratio Lower Upper

173 100

175 50.7 37.2 55.8

254 8.5 7.7 11.5



Abundance Ion 172.90 (172.60 to 173.60): VU037524.D (-2778) (-)

Ion 174.90 (174.60 to 175.60): VU037524.D (-2778) (-)

Ion 253.75 (253.45 to 254.45): VU037524.D (-2778) (-)

10.31

25000

20000

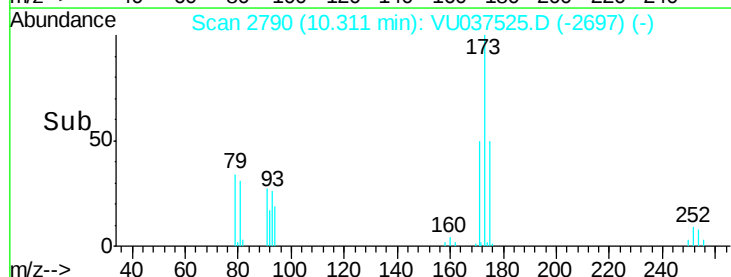
15000

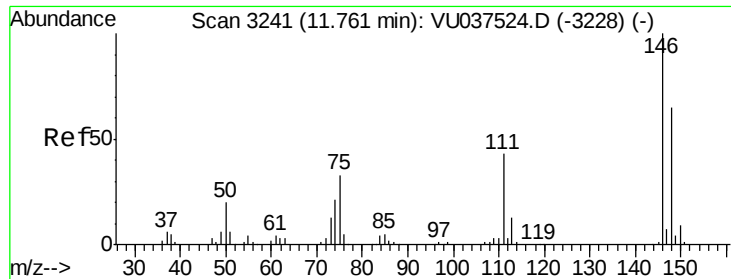
10000

5000

0

Time-->

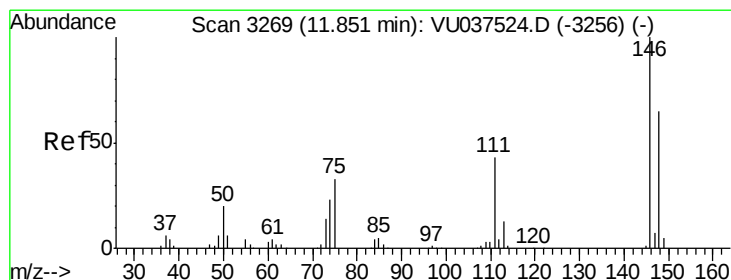
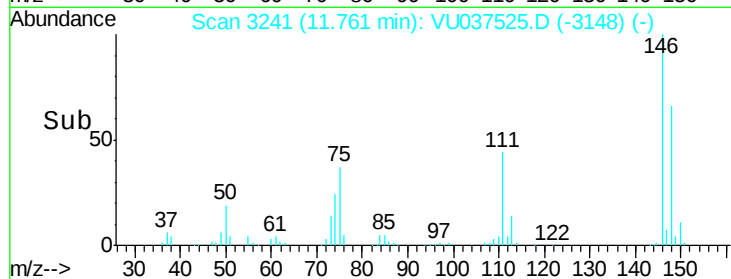
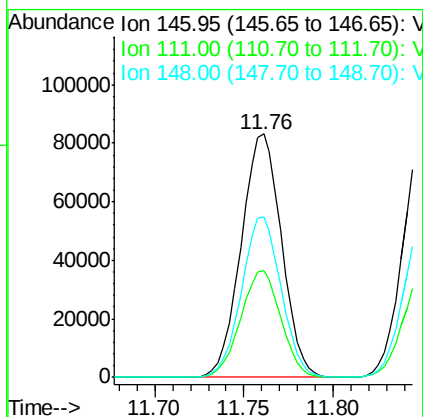
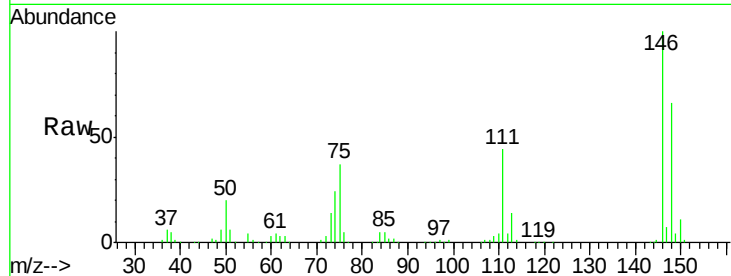




#62
 1,3-Dichlorobenzene
 Concen: 9.78 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. -0.00 min
 Lab File: VU037525.D
 Acq: 01 Apr 2020 15:03

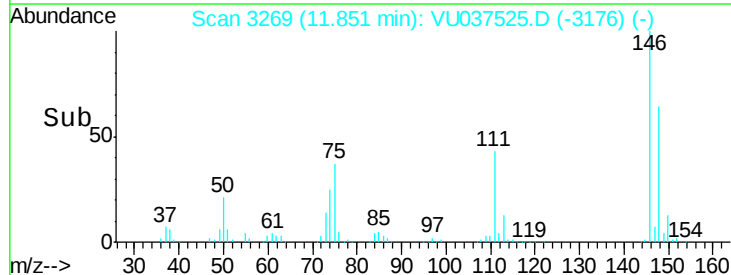
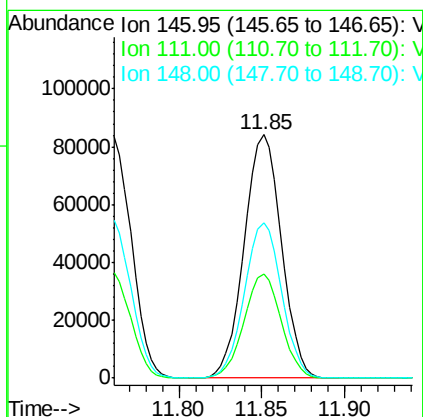
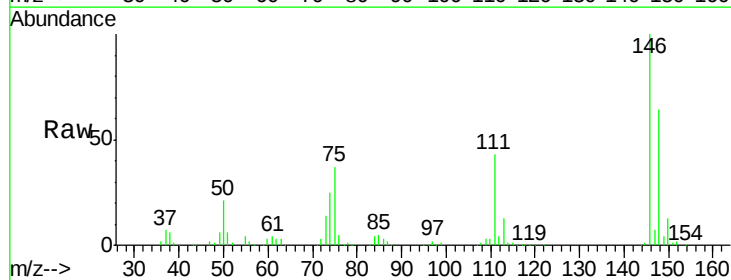
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01001

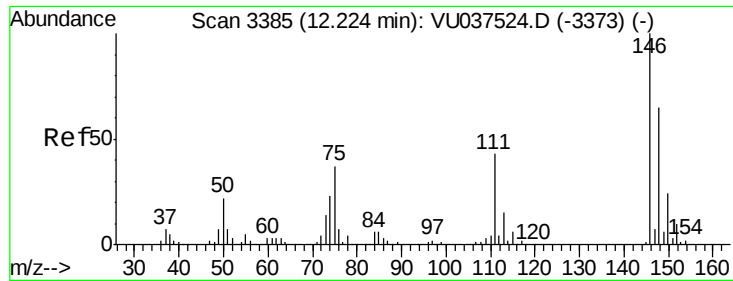
Tgt Ion:146 Resp: 131645
 Ion Ratio Lower Upper
 146 100
 111 44.0 29.8 55.4
 148 65.7 45.2 84.0



#63
 1,4-Dichlorobenzene
 Concen: 9.72 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU037525.D
 Acq: 01 Apr 2020 15:03

Tgt Ion:146 Resp: 131541
 Ion Ratio Lower Upper
 146 100
 111 42.7 29.9 55.5
 148 63.7 45.6 84.8





#65

1,2-Dichlorobenzene

Concen: 9.78 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU037525.D

Acq: 01 Apr 2020 15:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD01001

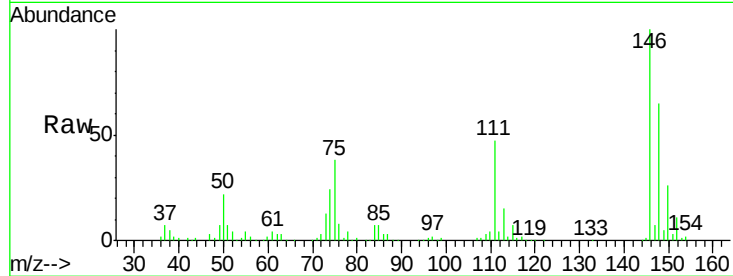
Tgt Ion:146 Resp: 122573

Ion Ratio Lower Upper

146 100

111 46.5 34.2 51.4

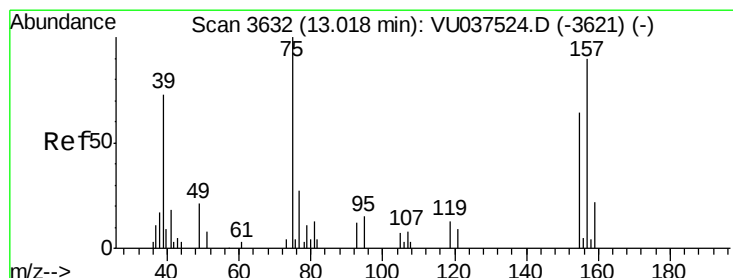
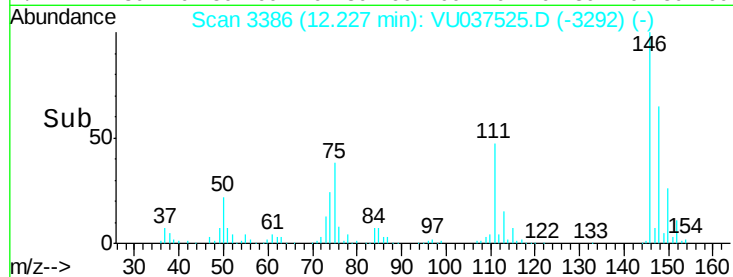
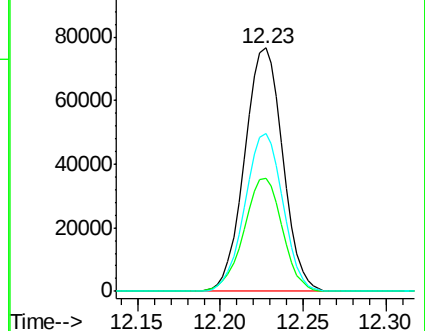
148 64.8 52.2 78.4



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: 9.12 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. -0.00 min

Lab File: VU037525.D

Acq: 01 Apr 2020 15:03

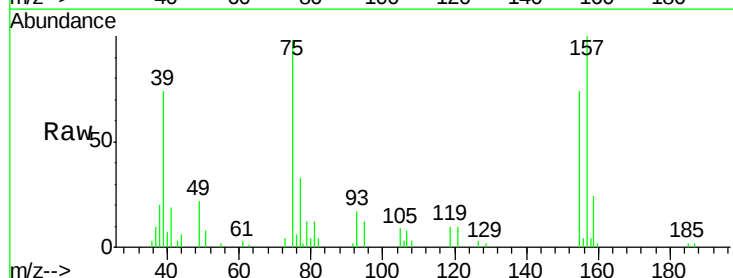
Tgt Ion: 75 Resp: 11786

Ion Ratio Lower Upper

75 100

155 75.3 51.0 76.4

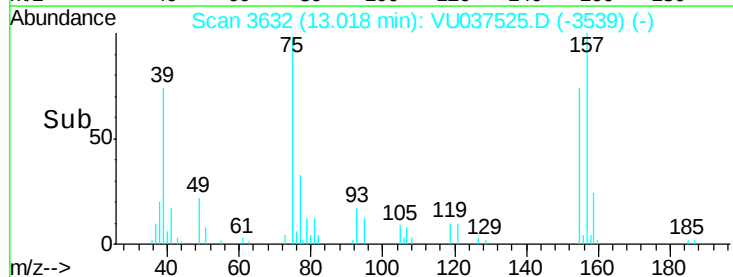
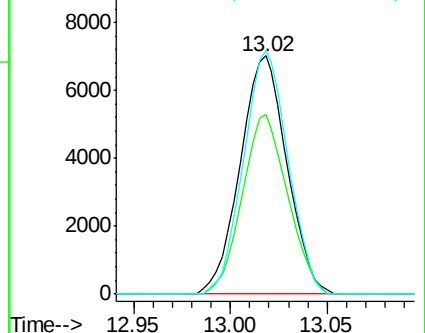
157 102.3 72.0 108.0

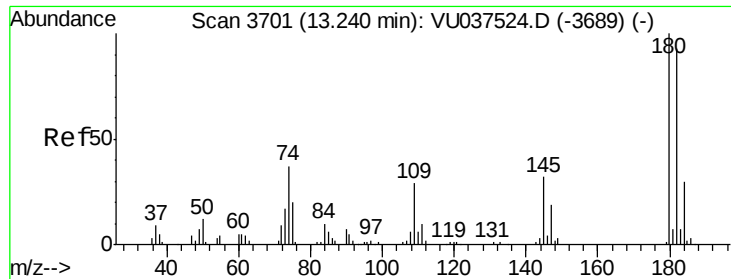


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

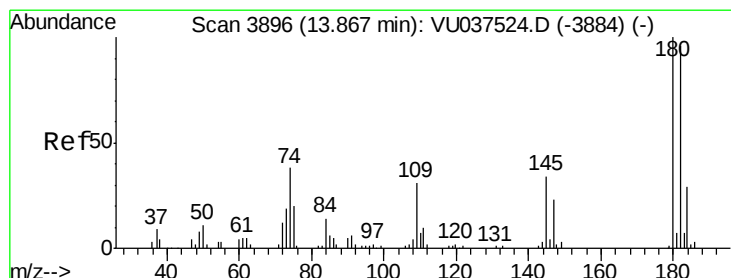
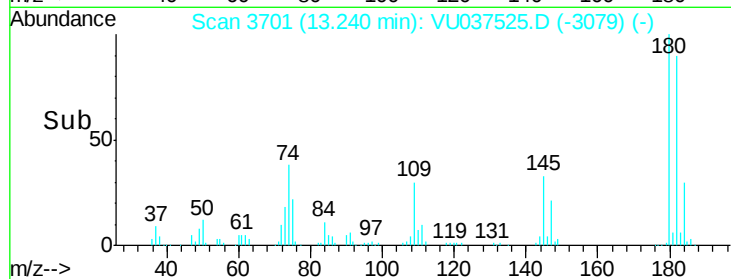
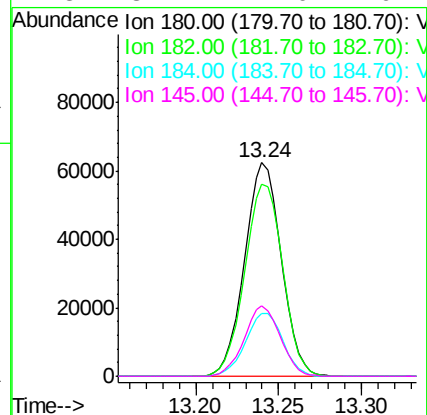
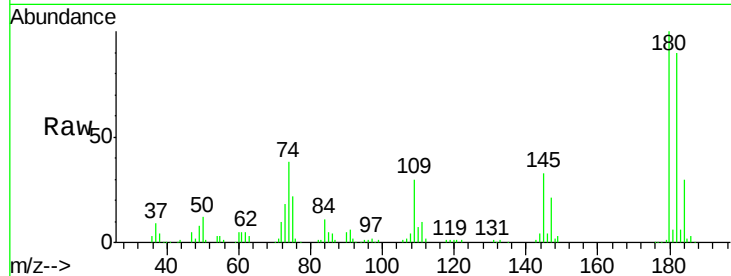




#67
 1,3,5-Trichlorobenzene
 Concen: 10.28 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU037525.D
 Acq: 01 Apr 2020 15:03

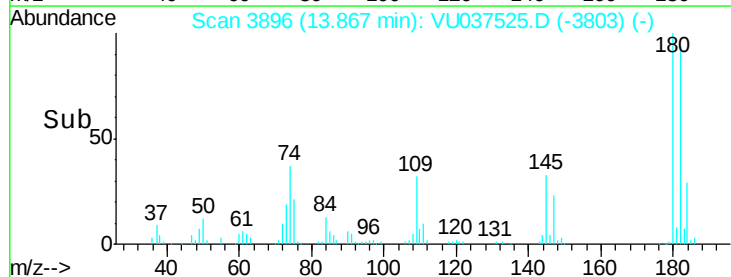
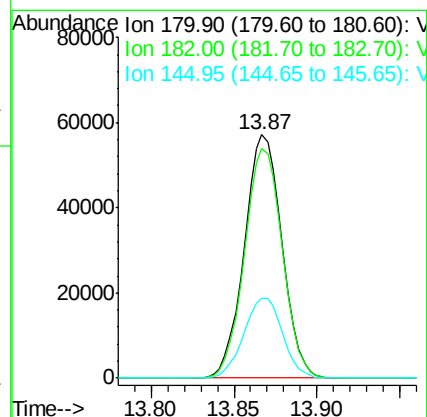
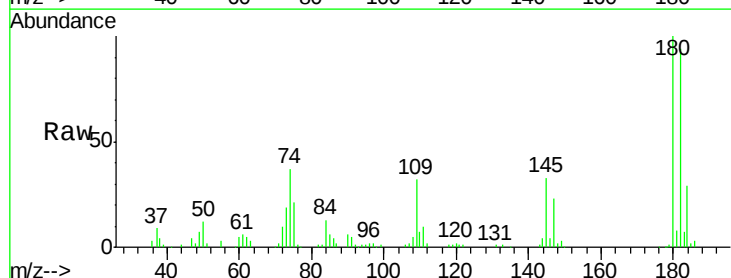
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01001

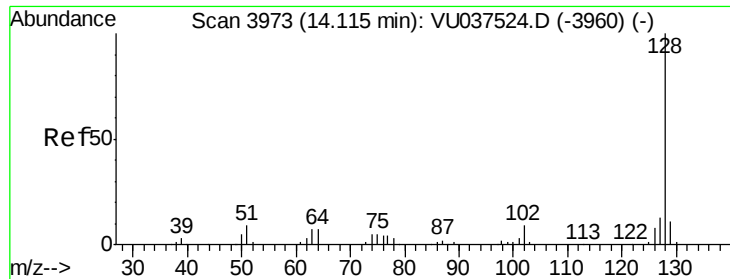
Tgt Ion:180 Resp: 96273
 Ion Ratio Lower Upper
 180 100
 182 92.9 77.9 116.9
 184 30.1 25.0 37.6
 145 32.4 27.0 40.4



#68
 1,2,4-trichlorobenzene
 Concen: 9.95 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU037525.D
 Acq: 01 Apr 2020 15:03

Tgt Ion:180 Resp: 90111
 Ion Ratio Lower Upper
 180 100
 182 95.1 77.4 116.2
 145 33.8 27.5 41.3





#69

Naphthalene

Concen: 9.67 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU037525.D

Acq: 01 Apr 2020 15:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD01001

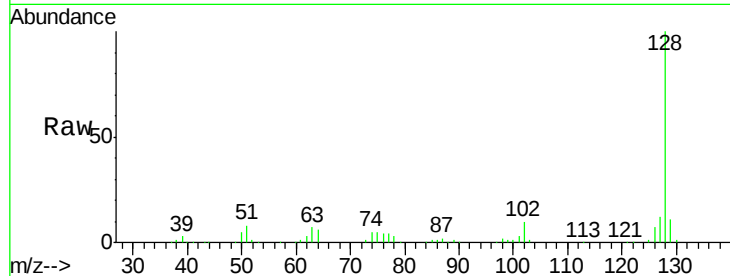
Tgt Ion:128 Resp: 197870

Ion Ratio Lower Upper

128 100

129 10.6 8.4 12.6

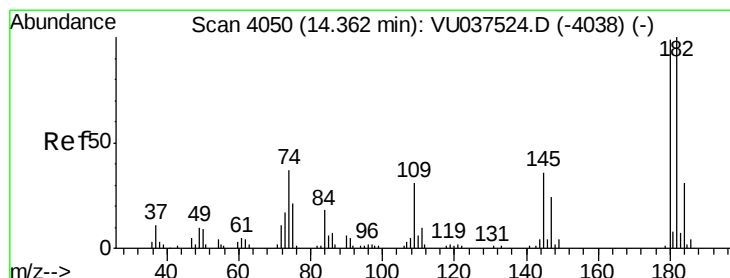
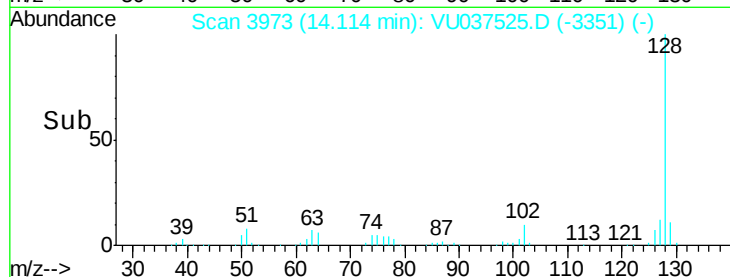
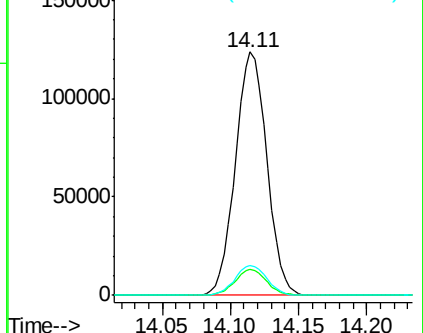
127 12.5 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 10.14 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. -0.00 min

Lab File: VU037525.D

Acq: 01 Apr 2020 15:03

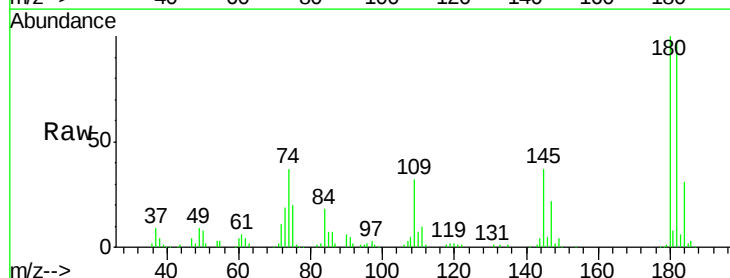
Tgt Ion:180 Resp: 80383

Ion Ratio Lower Upper

180 100

182 96.7 78.7 118.1

145 36.6 30.2 45.2



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

