

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040120\
 Data File : VU037526.D
 Acq On : 01 Apr 2020 15:27
 Operator : JC/MD
 Sample : VSTD02002
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02002

Quant Time: Apr 01 15:45:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR040120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Apr 01 15:22:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	90199	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	85133	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	43234	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	143994	18.83	ug/L	0.00
7) Chloroethane-d5	1.93	69	99639	16.53	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	256611	18.90	ug/L	0.00
20) 2-Butanone-d5	4.67	46	390976	188.49	ug/L	0.00
24) Chloroform-d	5.10	84	245611	18.76	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	132675	18.21	ug/L	0.00
32) Benzene-d6	5.76	84	496116	18.61	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	163010	18.66	ug/L	0.00
41) Toluene-d8	7.92	98	458910	18.82	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	76629	19.70	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	356281	187.28	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	133905	18.80	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	159696	17.47	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	131396	18.58	ug/L	99
3) Chloromethane	1.53	50	139543	19.16	ug/L	99
5) Vinyl chloride	1.62	62	141578	19.23	ug/L	99
6) Bromomethane	1.87	94	64869	18.24	ug/L	97
8) Chloroethane	1.94	64	79129	17.24	ug/L	96
9) Trichlorofluoromethane	2.15	101	205215	18.86	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	117926	18.89	ug/L	98
12) 1,1-Dichloroethene	2.60	96	115826	19.28	ug/L	91
13) Acetone	2.66	43	203063	170.51	ug/L	98
14) Carbon disulfide	2.82	76	379654	19.23	ug/L	97
15) Methyl Acetate	2.98	43	55377	15.43	ug/L	93
16) Methylene chloride	3.08	84	127767	17.86	ug/L	92
17) Methyl tert-butyl Ether	3.40	73	319420	18.83	ug/L	98
18) trans-1,2-Dichloroethene	3.38	96	122203	18.58	ug/L	97
19) 1,1-Dichloroethane	3.91	63	229058	18.56	ug/L	95
21) 2-Butanone	4.75	43	379304	183.47	ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	136007	19.06	ug/L	98
23) Bromochloromethane	5.02	128	57092	18.20	ug/L	95
25) Chloroform	5.13	83	235242	18.49	ug/L	100
27) 1,2-Dichloroethane	5.83	62	154095	18.97	ug/L	97
29) 1,1,1-Trichloroethane	5.35	97	206496	18.58	ug/L	98
30) Cyclohexane	5.42	56	221542	18.30	ug/L	99
31) Carbon tetrachloride	5.56	117	175319	19.60	ug/L	99
33) Benzene	5.81	78	507635	18.50	ug/L	100
34) Trichloroethene	6.57	95	135865	18.83	ug/L	99
35) Methylcyclohexane	6.79	83	223315	18.41	ug/L	99
37) 1,2-Dichloropropane	6.82	63	136794	18.47	ug/L	100
38) Bromodichloromethane	7.13	83	178403	18.97	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	214882	19.08	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	969483	188.68	ug/L	98

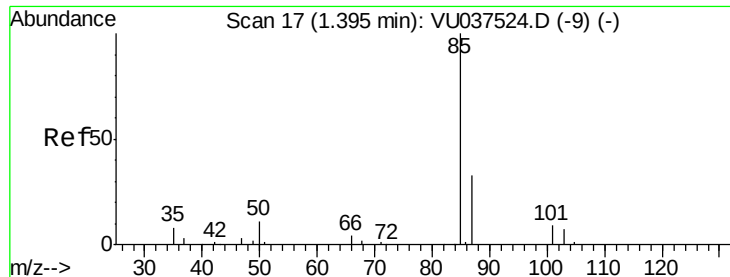
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040120\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	547934	18.86	ug/L	97
44) trans-1,3-Dichloropropene	8.23	75	191389	19.44	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	97556	18.92	ug/L	98
47) Tetrachloroethene	8.57	164	90806	19.34	ug/L	96
48) 2-Hexanone	8.71	43	694853	186.25	ug/L	97
49) Dibromochloromethane	8.83	129	118382	19.36	ug/L	97
50) 1,2-Dibromoethane	8.95	107	94188	18.74	ug/L	99
51) Chlorobenzene	9.47	112	339071	18.92	ug/L	98
52) Ethylbenzene	9.59	91	631202	19.12	ug/L	99
53) m,p-Xylene	9.71	106	232317	18.63	ug/L	97
54) o-Xylene	10.12	106	224478	18.70	ug/L	97
55) Styrene	10.13	104	395361	19.16	ug/L	99
56) Isopropylbenzene	10.50	105	616066	18.88	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	130617	18.81	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	93153	19.35	ug/L	99
61) Bromoform	10.31	173	68880	19.21	ug/L	97
62) 1,3-Dichlorobenzene	11.76	146	268071	18.47	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	266631	17.98	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	251641	18.04	ug/L	96
66) 1,2-Dibromo-3-chloropropan	13.02	75	26548	20.26	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	195748	18.74	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	184482	19.04	ug/L	98
69) Naphthalene	14.11	128	401979	18.55	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	163972	19.08	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 18.58 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037526.D

Acq: 01 Apr 2020 15:27

Instrument :

MSVOA_U

ClientSampleId :

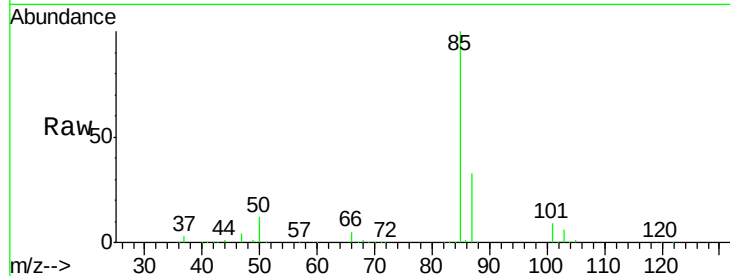
VSTD02002

Tgt Ion: 85 Resp: 131396

Ion Ratio Lower Upper

85 100

87 32.6 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU037526.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU037526.D (-1) (-)

1.39

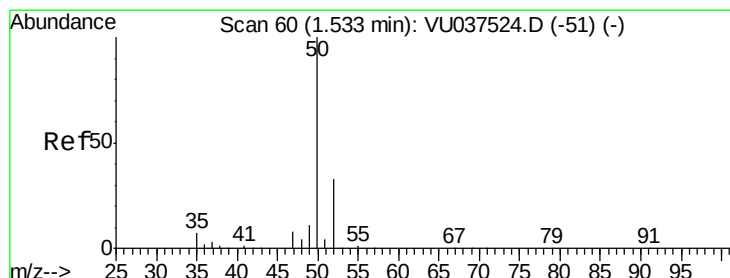
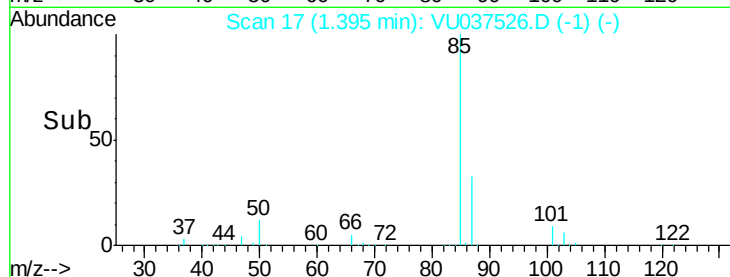
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 19.16 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU037526.D

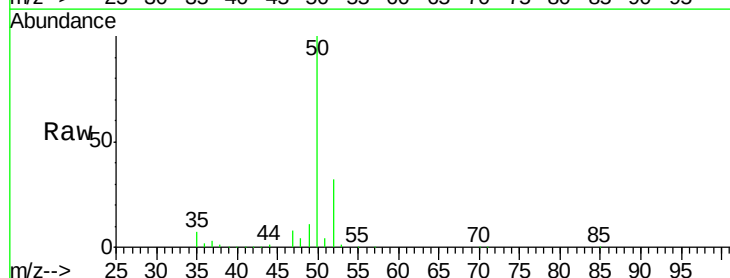
Acq: 01 Apr 2020 15:27

Tgt Ion: 50 Resp: 139543

Ion Ratio Lower Upper

50 100

52 32.2 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU037526.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU037526.D (-1) (-)

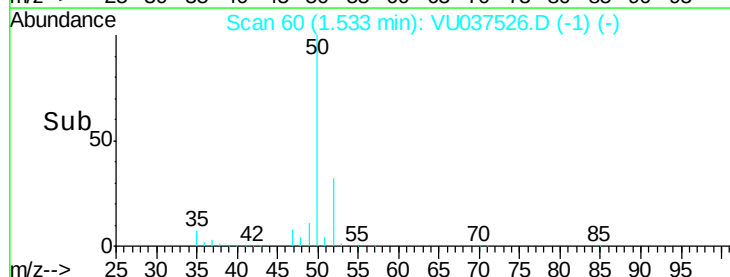
1.53

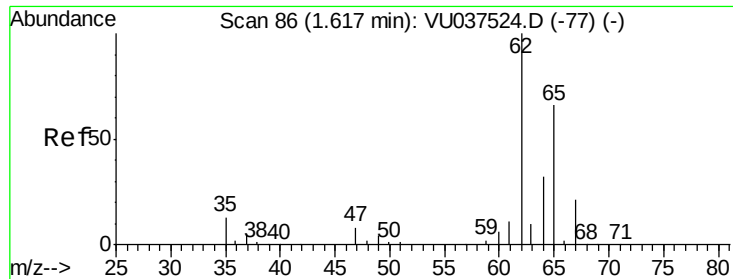
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 19.23 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037526.D

Acq: 01 Apr 2020 15:27

Instrument :

MSVOA_U

ClientSampleId :

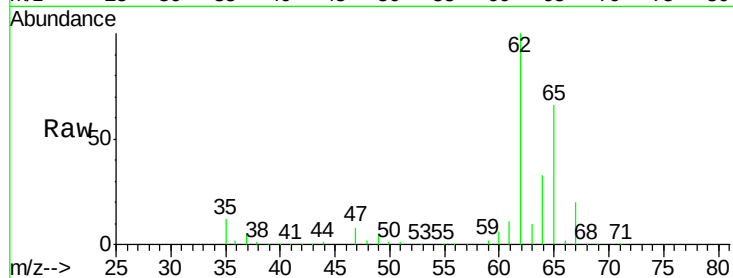
VSTD02002

Tgt Ion: 62 Resp: 141578

Ion Ratio Lower Upper

62 100

64 32.7 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VU037526.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU037526.D (-77) (-)

150000

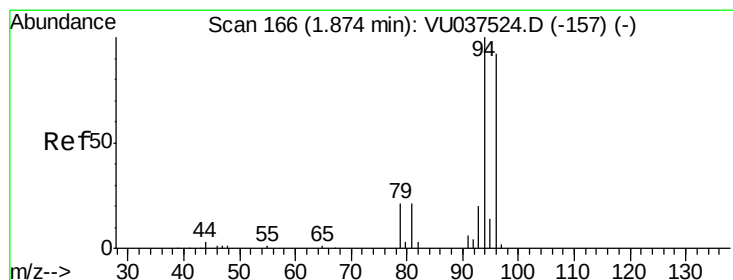
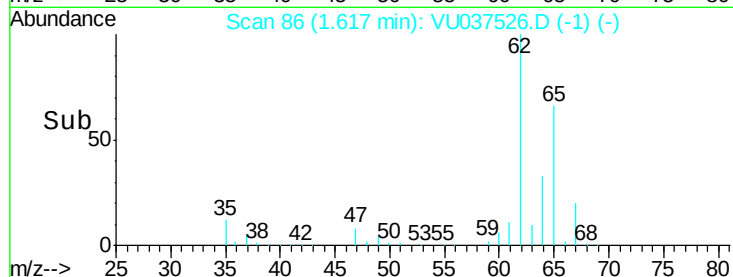
100000

50000

0

Time-->

1.55 1.60 1.65 1.70



#6

Bromomethane

Concen: 18.24 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU037526.D

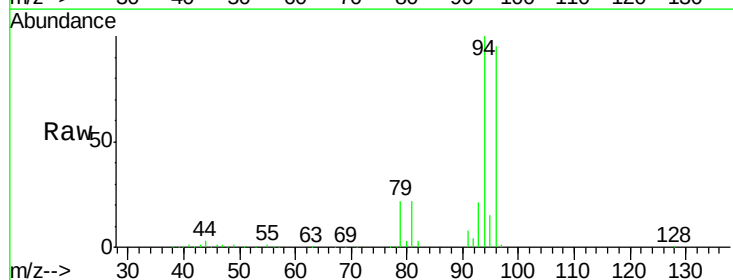
Acq: 01 Apr 2020 15:27

Tgt Ion: 94 Resp: 64869

Ion Ratio Lower Upper

94 100

96 94.7 64.3 119.5



Abundance Ion 94.00 (93.70 to 94.70): VU037526.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU037526.D (-157) (-)

60000

50000

40000

30000

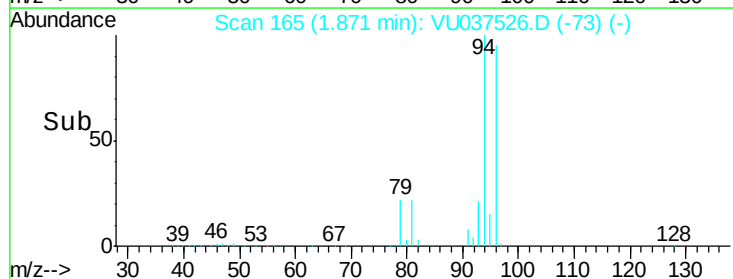
20000

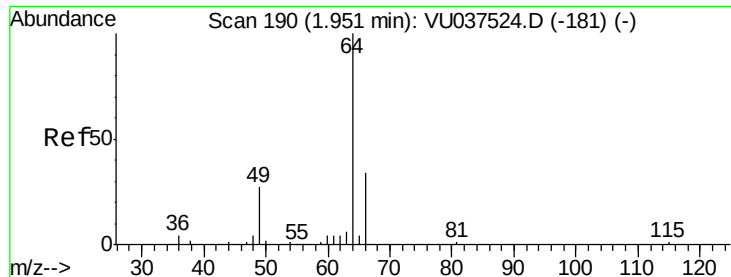
10000

0

Time-->

1.80 1.85 1.90 1.95





#8

Chloroethane

Concen: 17.24 ug/L

RT: 1.94 min Scan# 188

Delta R.T. -0.01 min

Lab File: VU037526.D

Acq: 01 Apr 2020 15:27

Instrument :

MSVOA_U

ClientSampleId :

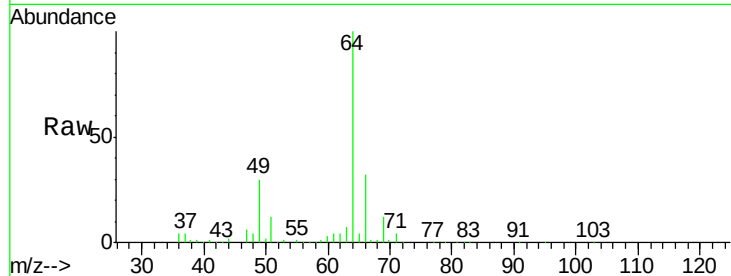
VSTD02002

Tgt Ion: 64 Resp: 79129

Ion Ratio Lower Upper

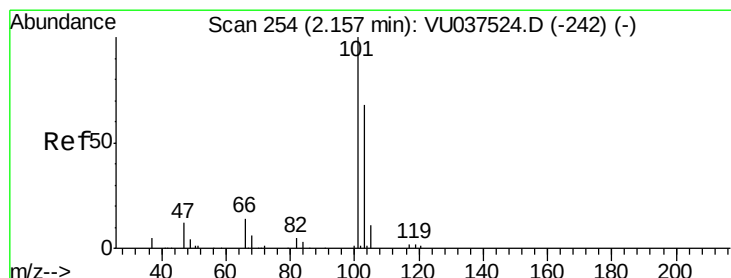
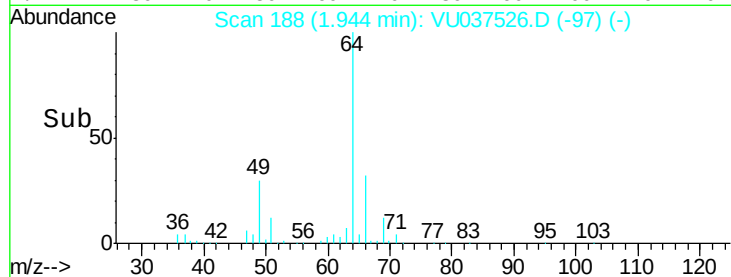
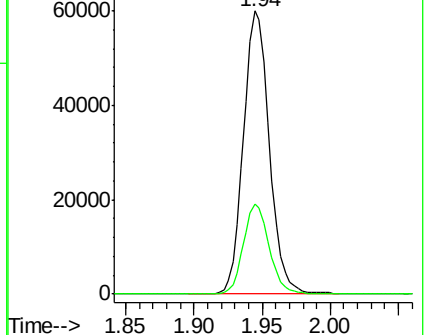
64 100

66 32.0 24.1 44.7



Abundance Ion 64.10 (63.80 to 64.80): VU037526.D (-181) (-)

Ion 66.05 (65.75 to 66.75): VU037526.D (-181) (-)



#9

Trichlorofluoromethane

Concen: 18.86 ug/L

RT: 2.15 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU037526.D

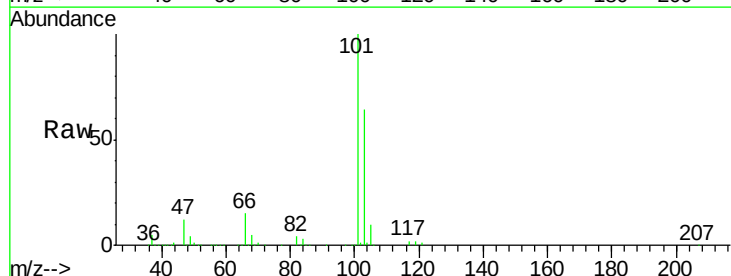
Acq: 01 Apr 2020 15:27

Tgt Ion: 101 Resp: 205215

Ion Ratio Lower Upper

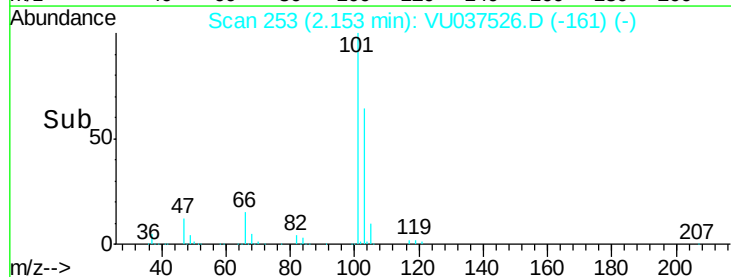
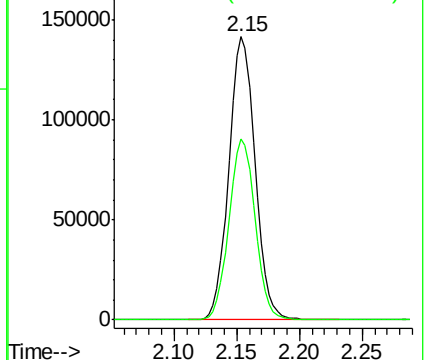
101 100

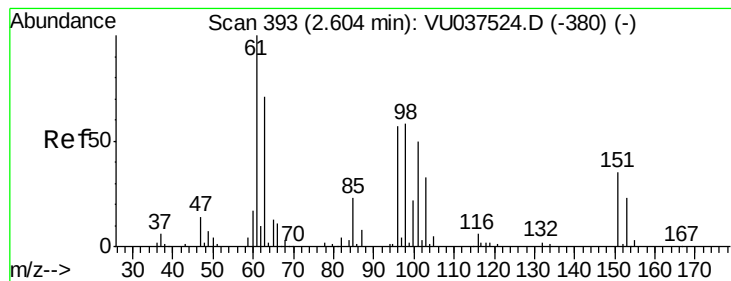
103 64.1 53.2 79.8



Abundance Ion 101.00 (100.70 to 101.70): VU037526.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU037526.D (-242) (-)





#10

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

Concen: 18.89 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037526.D

Acq: 01 Apr 2020 15:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD02002

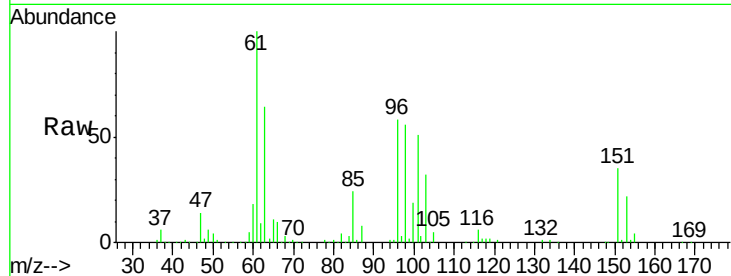
Tgt Ion: 101 Resp: 117926

Ion Ratio Lower Upper

101 100

85 46.7 35.8 53.8

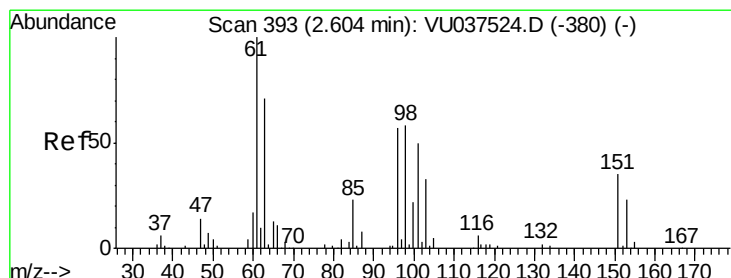
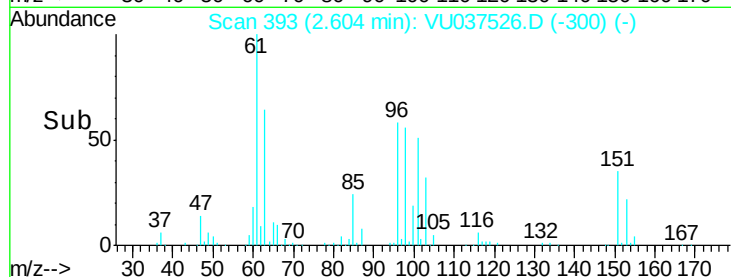
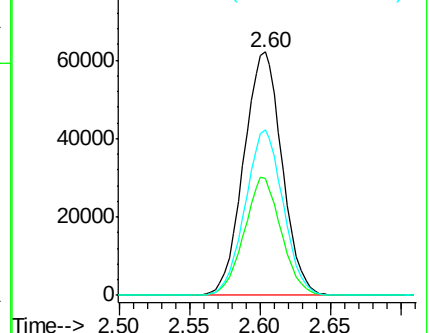
151 67.2 54.7 82.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 19.28 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037526.D

Acq: 01 Apr 2020 15:27

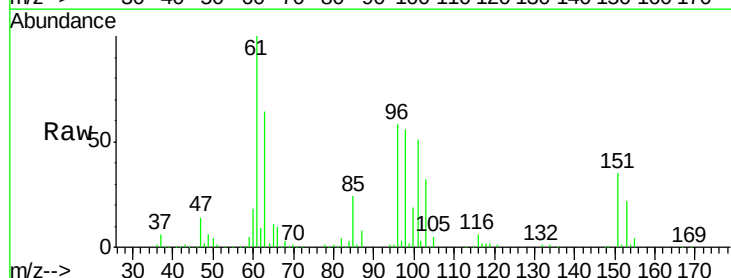
Tgt Ion: 96 Resp: 115826

Ion Ratio Lower Upper

96 100

61 172.4 123.4 229.2

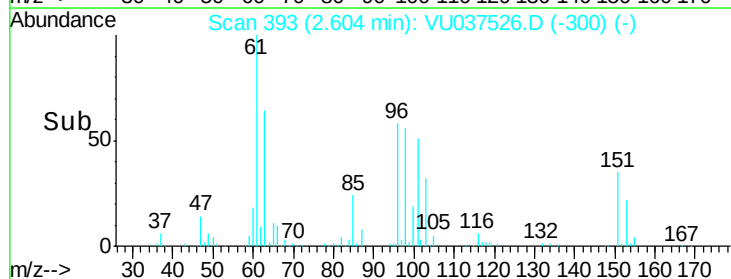
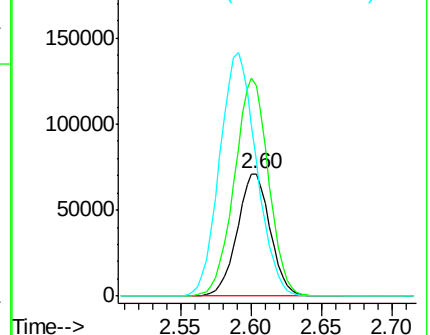
63 110.0 90.4 168.0

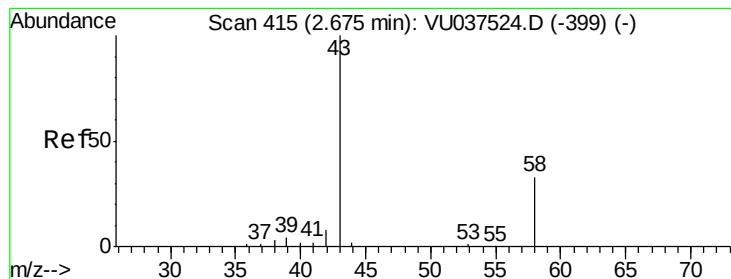


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 170.51 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.01 min

Lab File: VU037526.D

Acq: 01 Apr 2020 15:27

Instrument :

MSVOA_U

ClientSampleId :

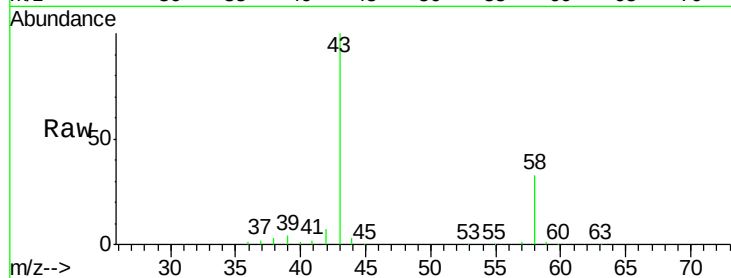
VSTD02002

Tgt Ion: 43 Resp: 203063

Ion Ratio Lower Upper

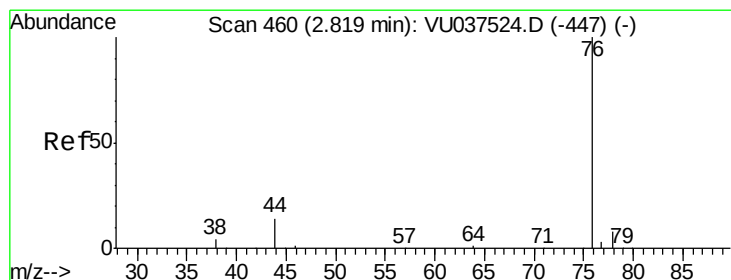
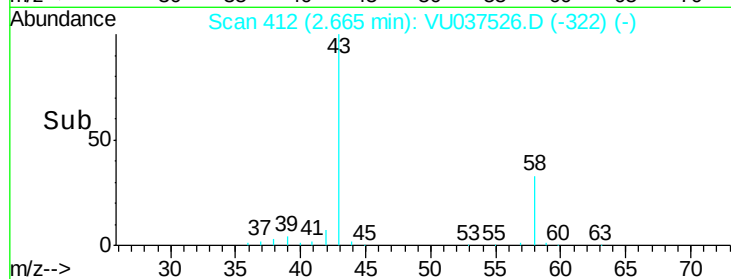
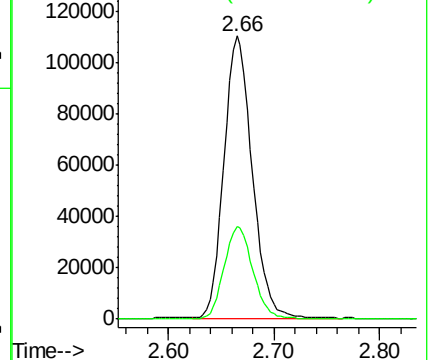
43 100

58 33.2 0.0 68.2



Abundance Ion 43.05 (42.75 to 43.75): VU037526.D (-322) (-)

Ion 58.05 (57.75 to 58.75): VU037526.D (-322) (-)



#14

Carbon disulfide

Concen: 19.23 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037526.D

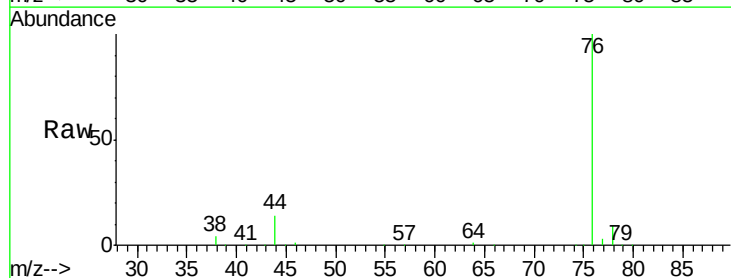
Acq: 01 Apr 2020 15:27

Tgt Ion: 76 Resp: 379654

Ion Ratio Lower Upper

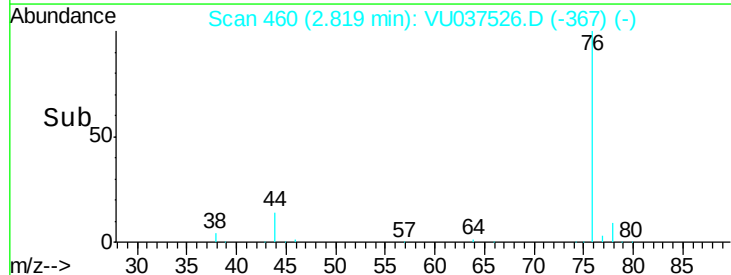
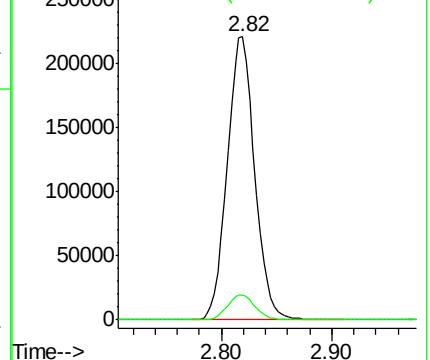
76 100

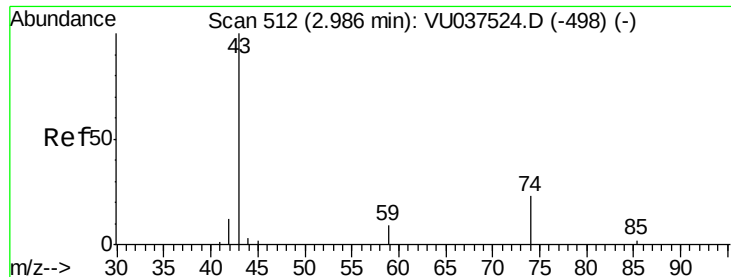
78 8.9 6.3 9.5



Abundance Ion 76.05 (75.75 to 76.75): VU037526.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU037526.D (-367) (-)

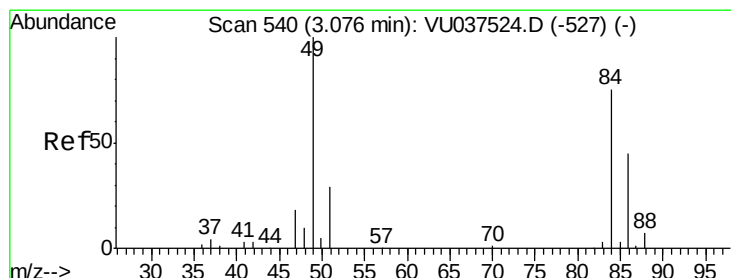
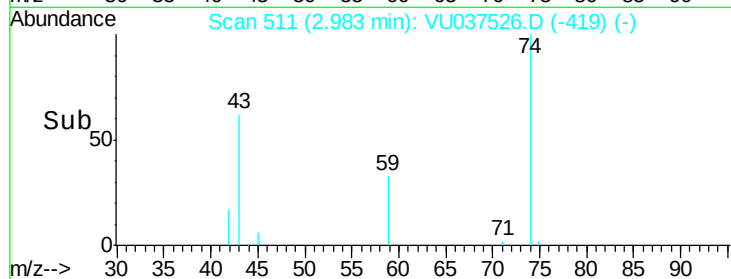
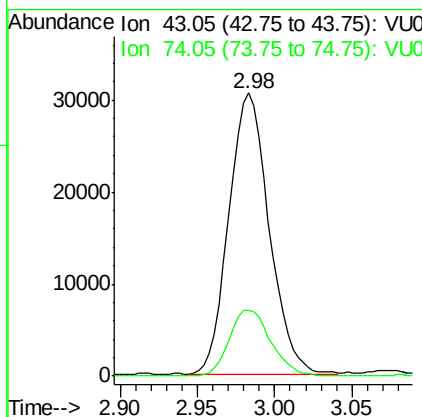
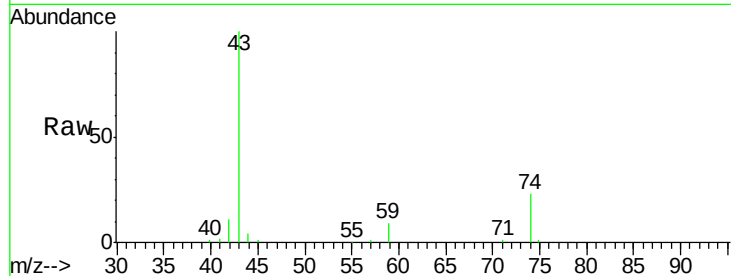




#15
Methyl Acetate
Concen: 15.43 ug/L
RT: 2.98 min Scan# 511
Delta R.T. -0.00 min
Lab File: VU037526.D
Acq: 01 Apr 2020 15:27

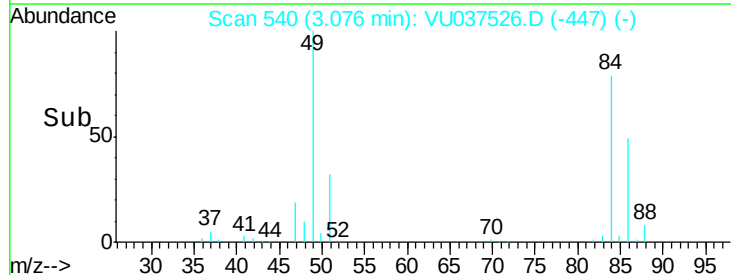
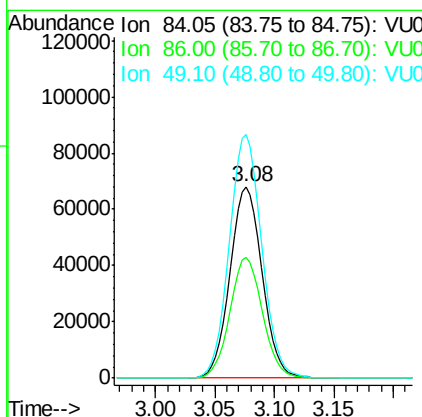
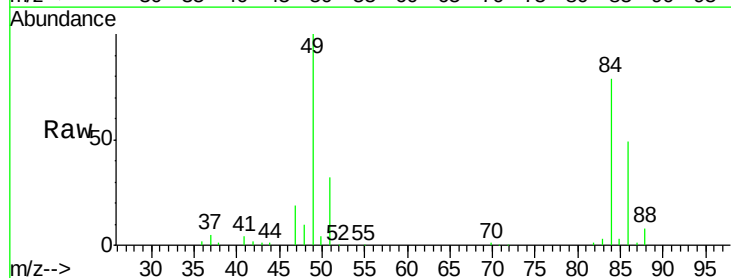
Instrument :
MSVOA_U
ClientSampleId :
VSTD02002

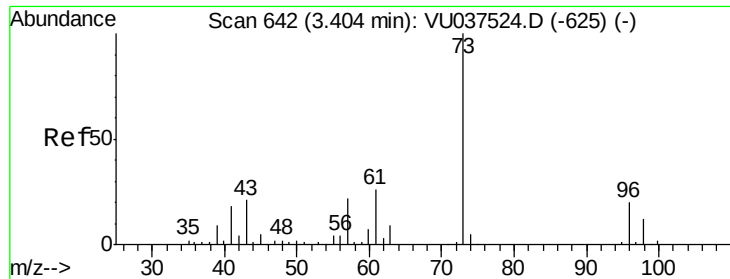
Tgt Ion: 43 Resp: 55377
Ion Ratio Lower Upper
43 100
74 24.2 16.8 25.2



#16
Methylene chloride
Concen: 17.86 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037526.D
Acq: 01 Apr 2020 15:27

Tgt Ion: 84 Resp: 127767
Ion Ratio Lower Upper
84 100
86 63.0 41.6 77.3
49 127.2 97.0 180.2

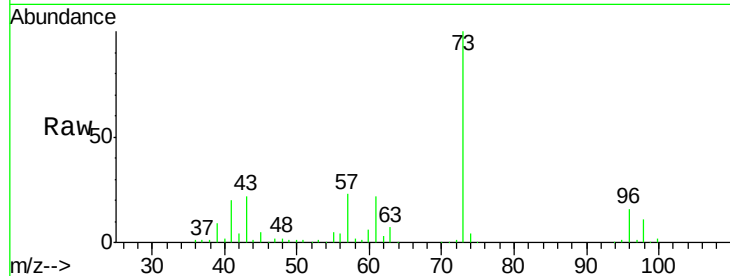




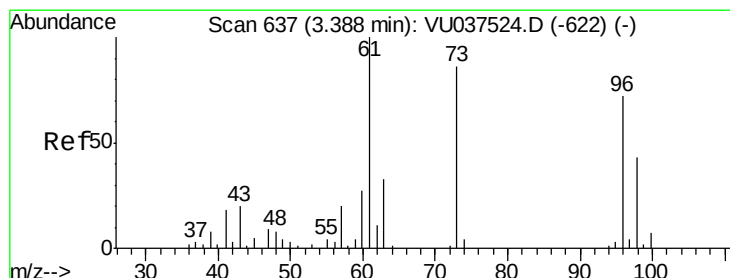
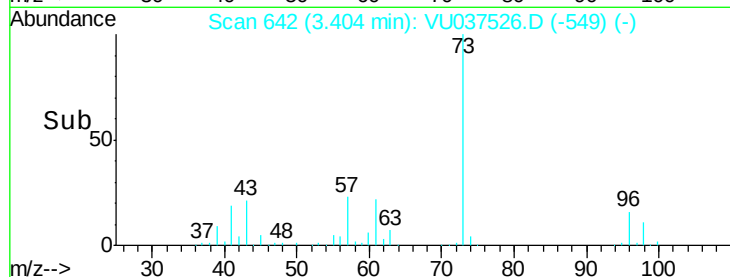
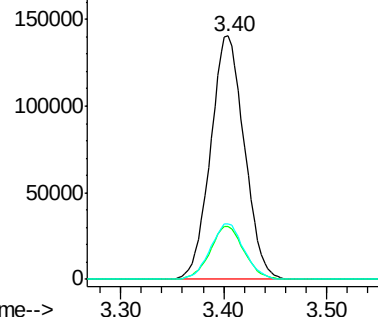
#17
Methyl tert-butyl Ether
Concen: 18.83 ug/L
RT: 3.40 min Scan# 642
Delta R.T. -0.00 min
Lab File: VU037526.D
Acq: 01 Apr 2020 15:27

Instrument :
MSVOA_U
ClientSampleId :
VSTD02002

Tgt Ion: 73 Resp: 319420
Ion Ratio Lower Upper
73 100
43 21.6 18.0 27.0
57 22.7 19.0 28.6

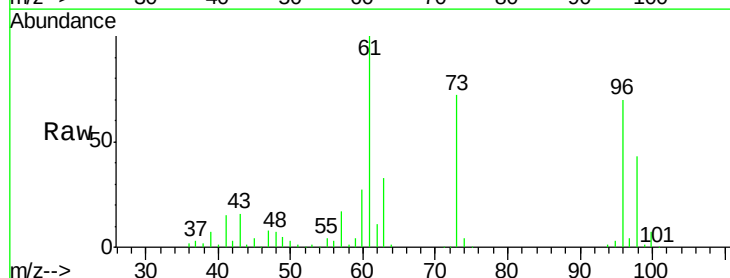


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

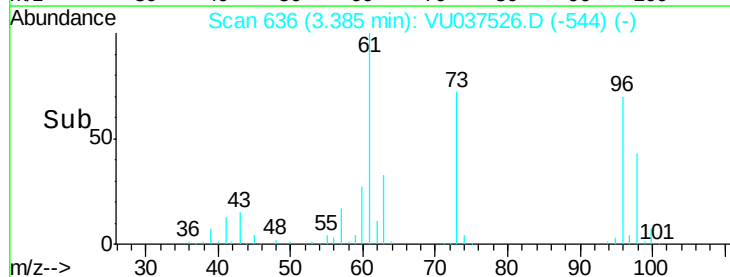
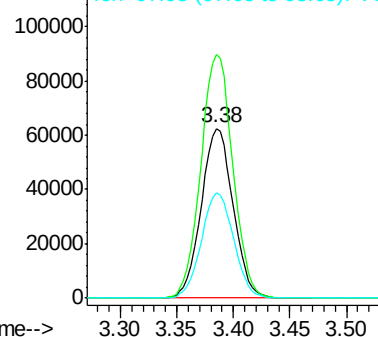


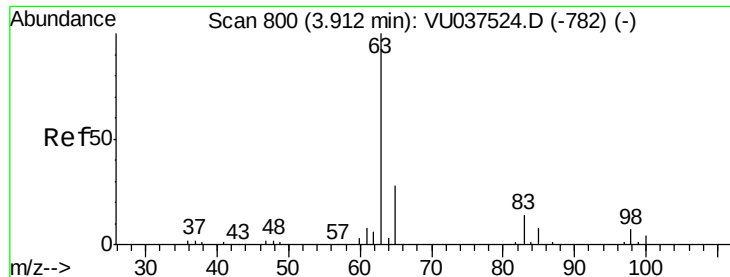
#18
trans-1,2-Dichloroethene
Concen: 18.58 ug/L
RT: 3.38 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU037526.D
Acq: 01 Apr 2020 15:27

Tgt Ion: 96 Resp: 122203
Ion Ratio Lower Upper
96 100
61 143.8 97.4 181.0
98 62.2 42.4 78.6



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

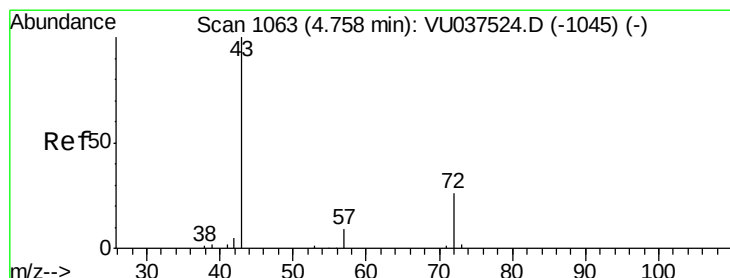
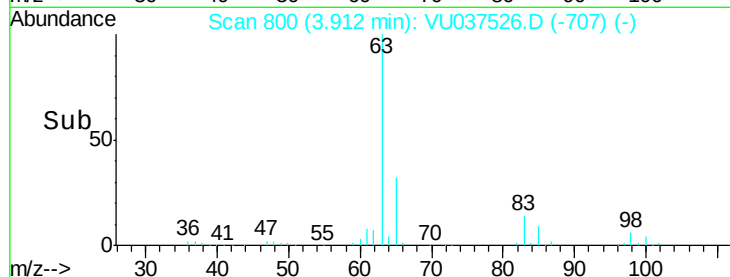
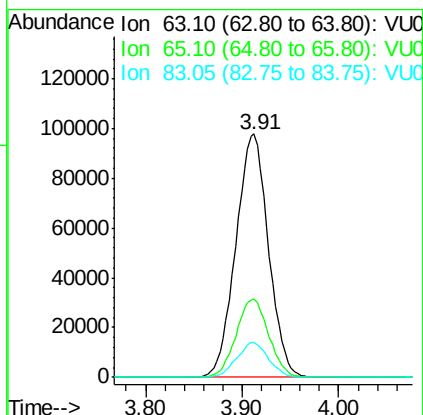
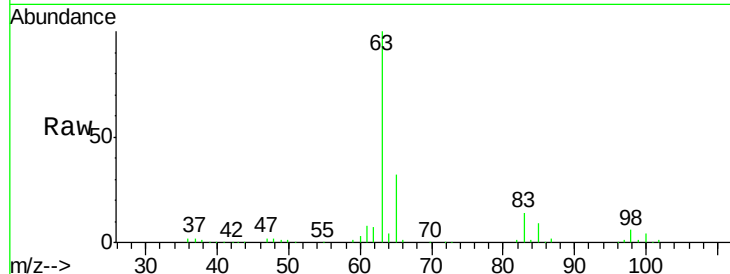




#19
 1,1-Dichloroethane
 Concen: 18.56 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: VU037526.D
 Acq: 01 Apr 2020 15:27

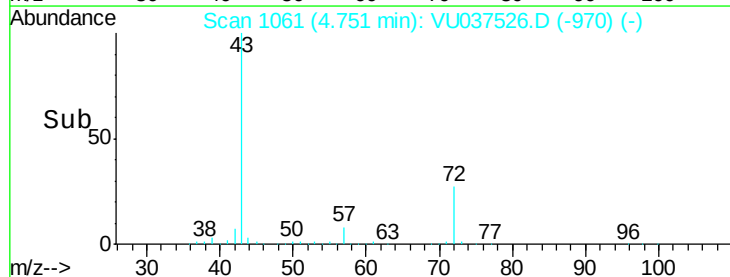
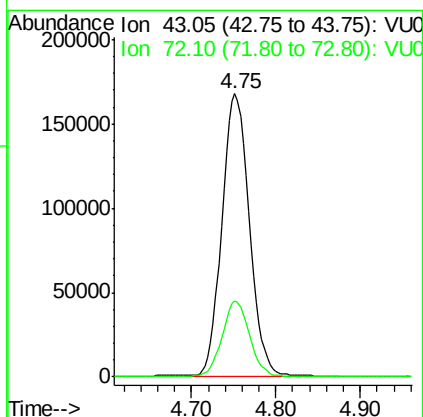
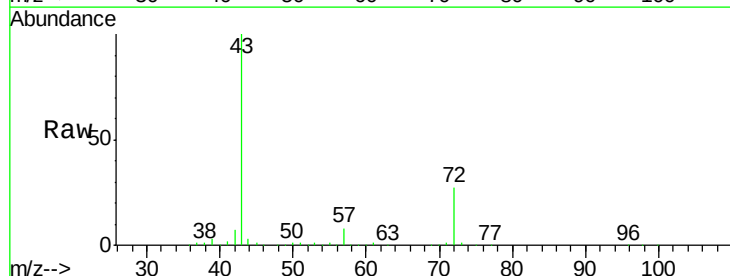
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02002

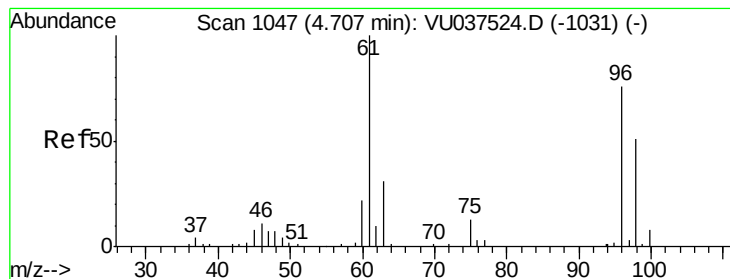
Tgt Ion: 63 Resp: 229058
 Ion Ratio Lower Upper
 63 100
 65 32.1 19.9 36.9
 83 14.2 10.1 18.7



#21
 2-Butanone
 Concen: 183.47 ug/L
 RT: 4.75 min Scan# 1061
 Delta R.T. -0.01 min
 Lab File: VU037526.D
 Acq: 01 Apr 2020 15:27

Tgt Ion: 43 Resp: 379304
 Ion Ratio Lower Upper
 43 100
 72 27.2 13.1 39.1





#22

cis-1,2-Dichloroethene

Concen: 19.06 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037526.D

Acq: 01 Apr 2020 15:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD02002

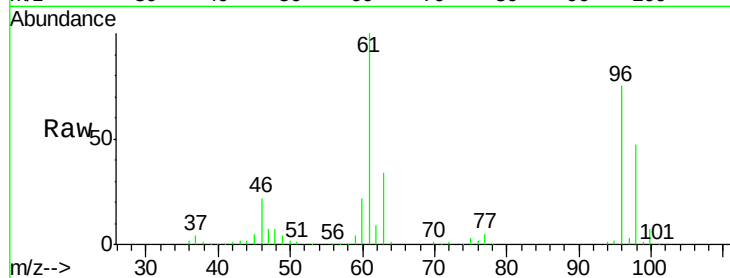
Tgt Ion: 96 Resp: 136007

Ion Ratio Lower Upper

96 100

61 133.4 92.0 170.9

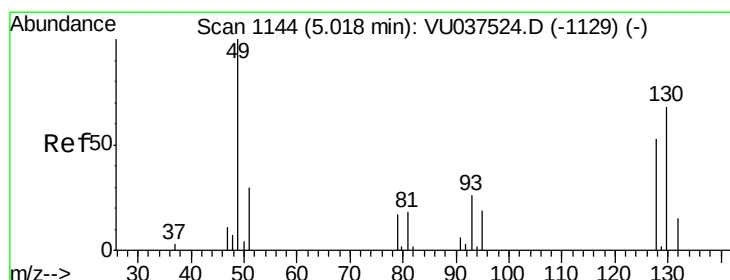
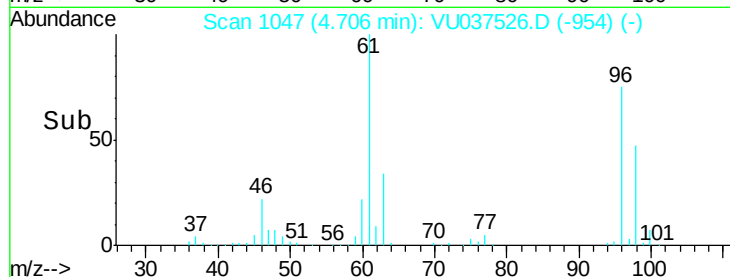
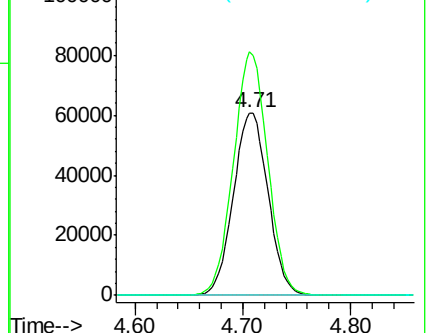
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037526.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU037526.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU037526.D (-954) (-)



#23

Bromochloromethane

Concen: 18.20 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU037526.D

Acq: 01 Apr 2020 15:27

Tgt Ion: 128 Resp: 57092

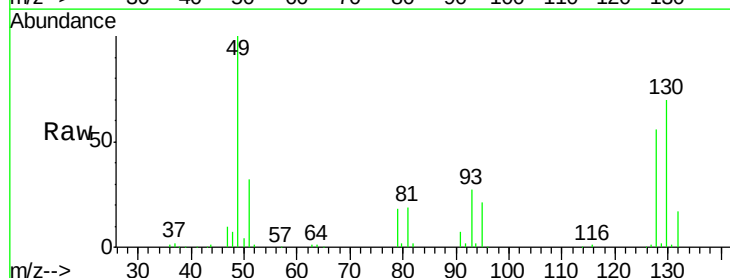
Ion Ratio Lower Upper

128 100

49 179.1 133.7 248.3

130 124.9 90.6 168.2

51 56.6 45.2 67.8

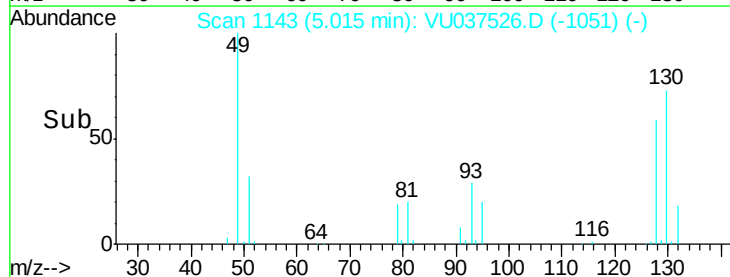
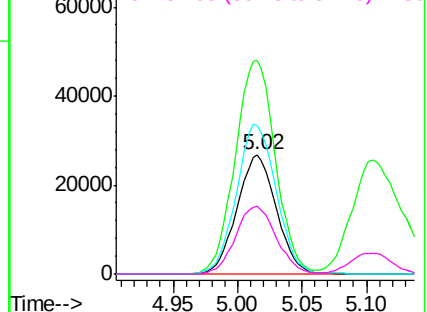


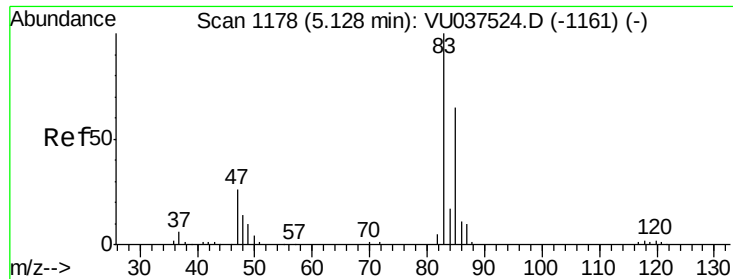
Abundance Ion 127.90 (127.60 to 128.60): VU037526.D (-1051) (-)

Ion 49.10 (48.80 to 49.80): VU037526.D (-1051) (-)

Ion 129.95 (129.65 to 130.65): VU037526.D (-1051) (-)

Ion 51.05 (50.75 to 51.75): VU037526.D (-1051) (-)

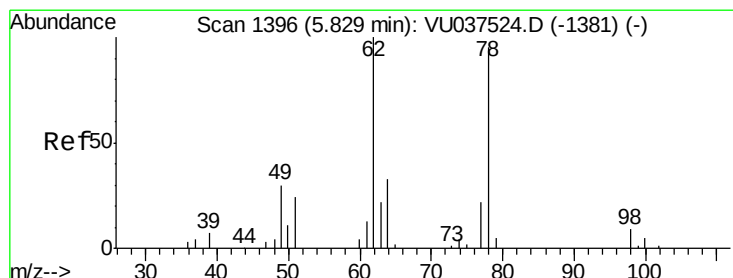
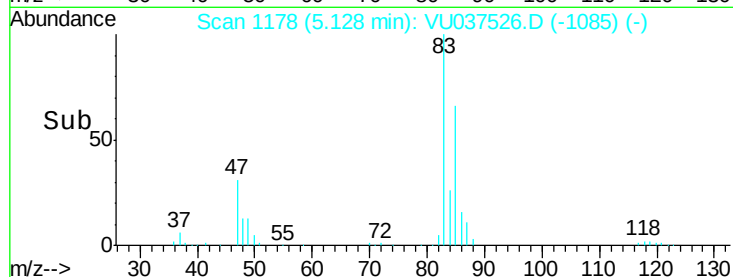
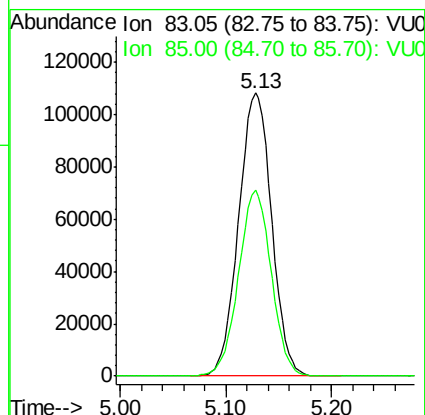
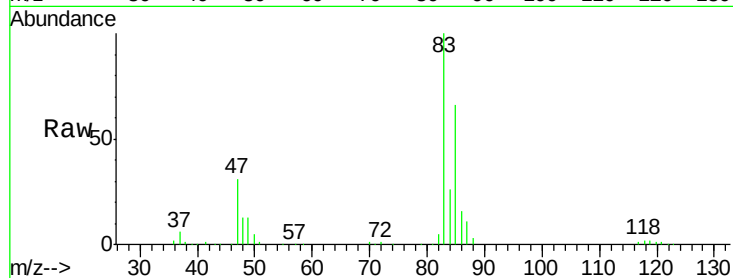




#25
Chloroform
Concen: 18.49 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037526.D
Acq: 01 Apr 2020 15:27

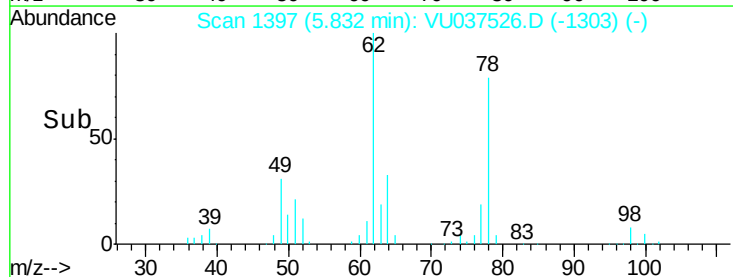
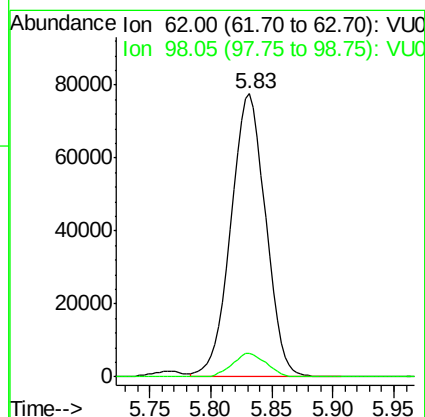
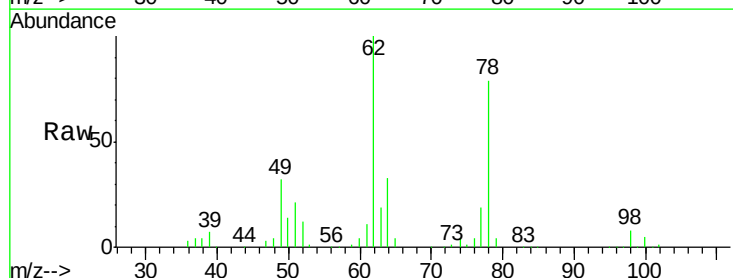
Instrument :
MSVOA_U
ClientSampleId :
VSTD02002

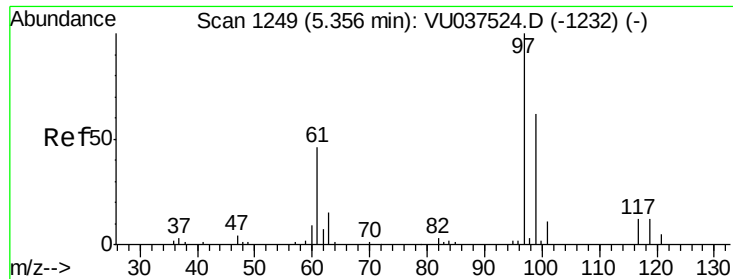
Tgt Ion: 83 Resp: 235242
Ion Ratio Lower Upper
83 100
85 65.6 45.8 85.2



#27
1,2-Dichloroethane
Concen: 18.97 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037526.D
Acq: 01 Apr 2020 15:27

Tgt Ion: 62 Resp: 154095
Ion Ratio Lower Upper
62 100
98 8.1 7.3 10.9

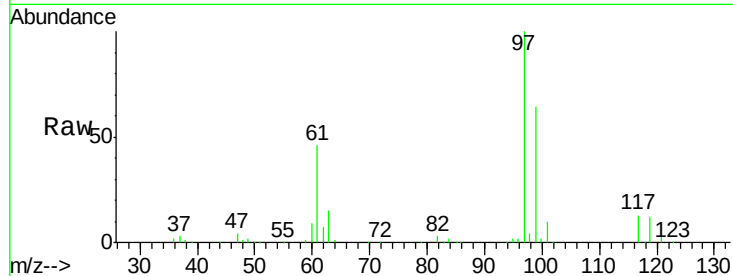




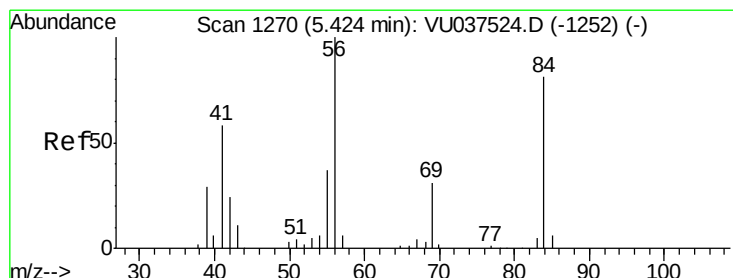
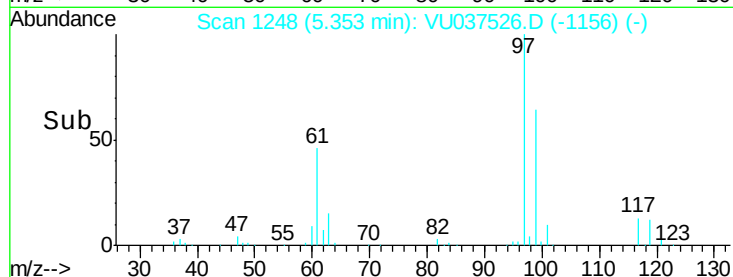
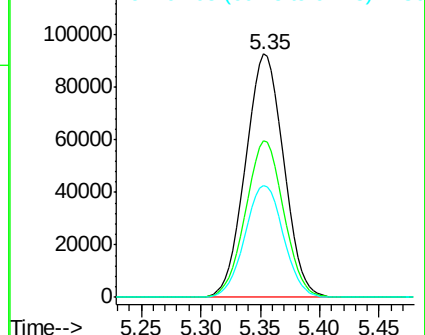
#29
 1,1,1-Trichloroethane
 Concen: 18.58 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU037526.D
 Acq: 01 Apr 2020 15:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02002

Tgt Ion: 97 Resp: 206496
 Ion Ratio Lower Upper
 97 100
 99 64.2 50.6 76.0
 61 46.4 35.2 52.8

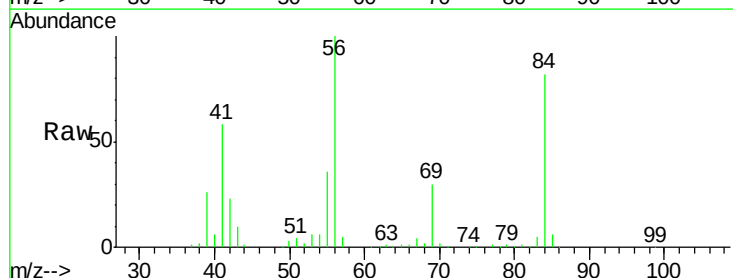


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

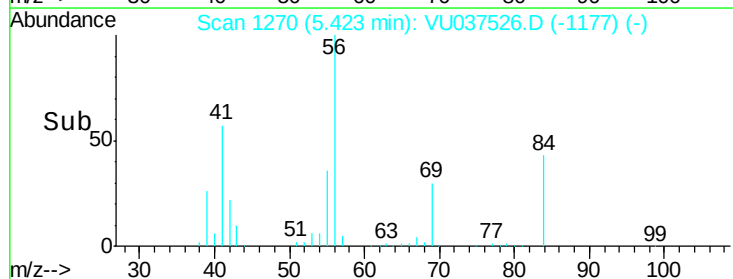
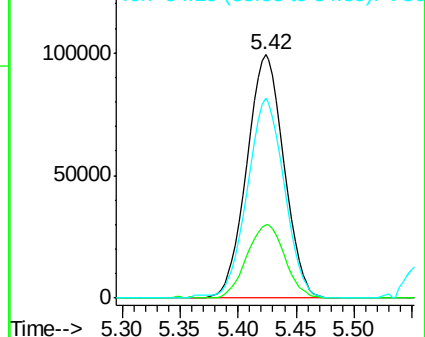


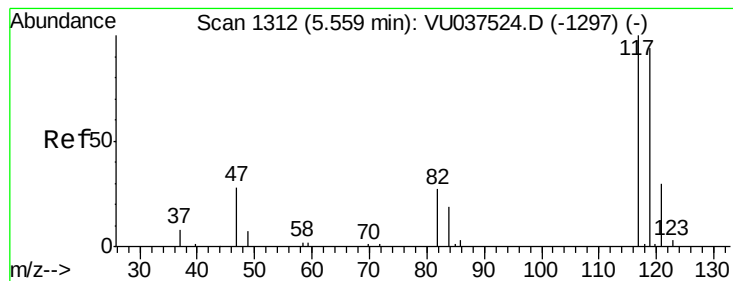
#30
 Cyclohexane
 Concen: 18.30 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU037526.D
 Acq: 01 Apr 2020 15:27

Tgt Ion: 56 Resp: 221542
 Ion Ratio Lower Upper
 56 100
 69 30.9 23.9 35.9
 84 81.7 65.6 98.4



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 19.60 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU037526.D

Acq: 01 Apr 2020 15:27

Instrument :

MSVOA_U

ClientSampleId :

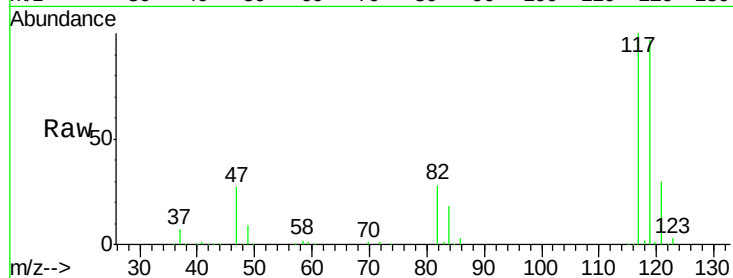
VSTD02002

Tgt Ion:117 Resp: 175319

Ion Ratio Lower Upper

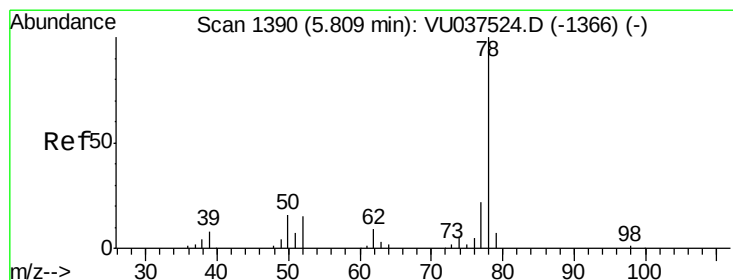
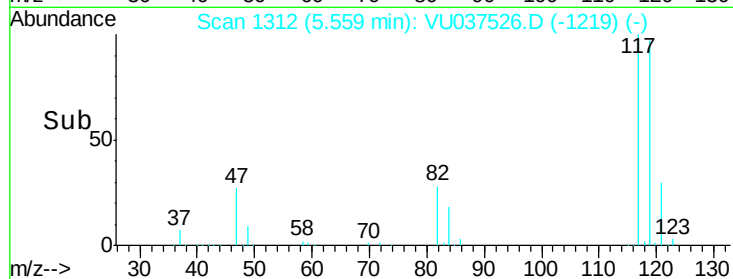
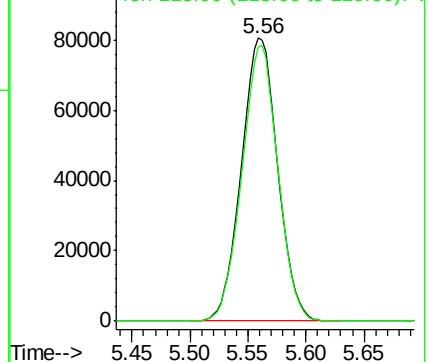
117 100

119 96.3 76.6 114.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 18.50 ug/L

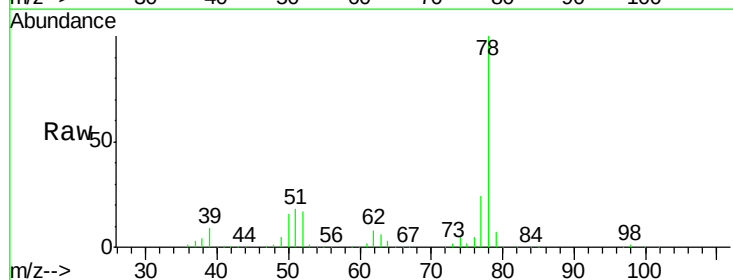
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

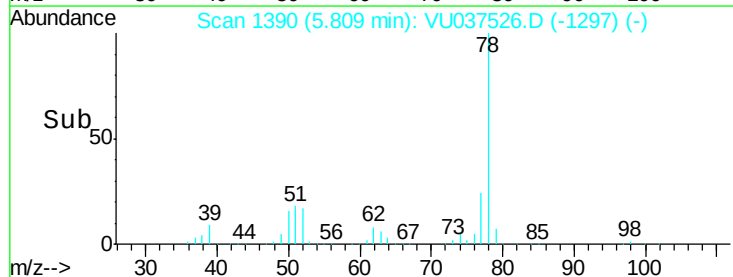
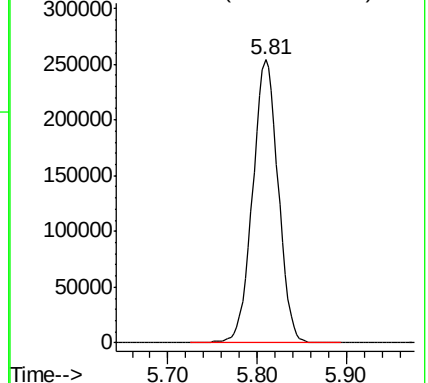
Lab File: VU037526.D

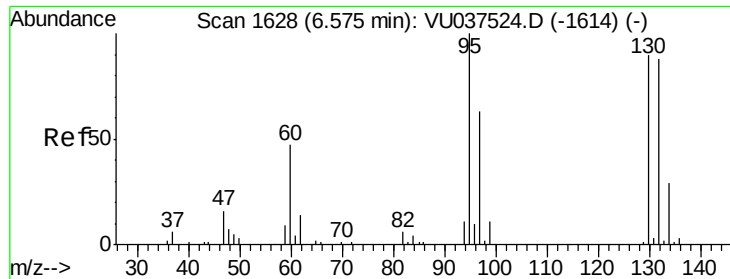
Acq: 01 Apr 2020 15:27

Tgt Ion: 78 Resp: 507635



Abundance Ion 78.10 (77.80 to 78.80): VU0

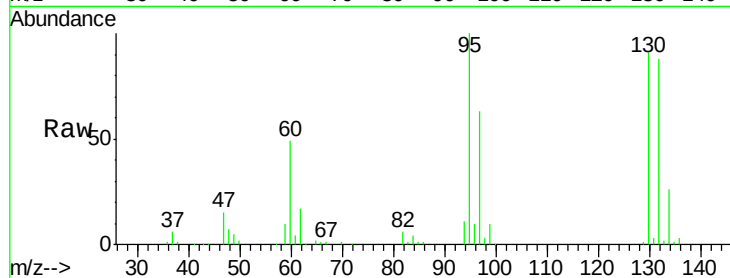




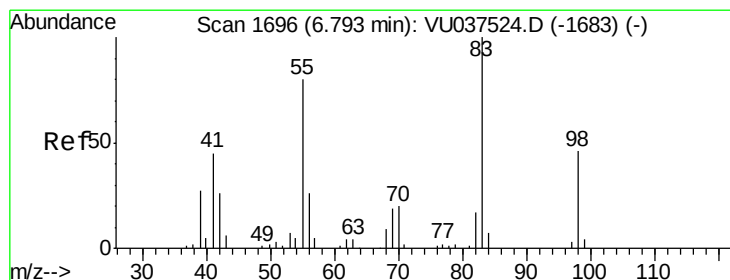
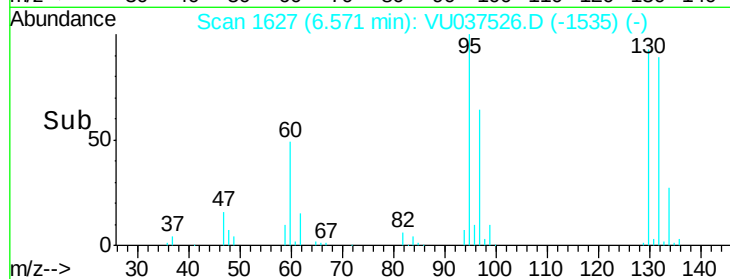
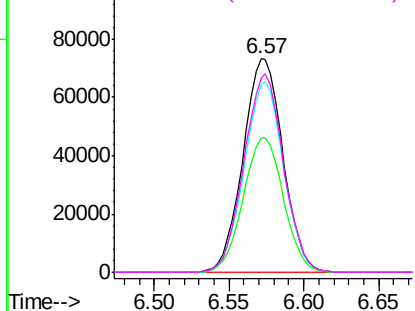
#34
 Trichloroethene
 Concen: 18.83 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU037526.D
 Acq: 01 Apr 2020 15:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02002

Tgt Ion: 95 Resp: 135865
 Ion Ratio Lower Upper
 95 100
 97 62.8 44.0 81.8
 132 87.9 61.9 114.9
 130 91.0 62.7 116.5

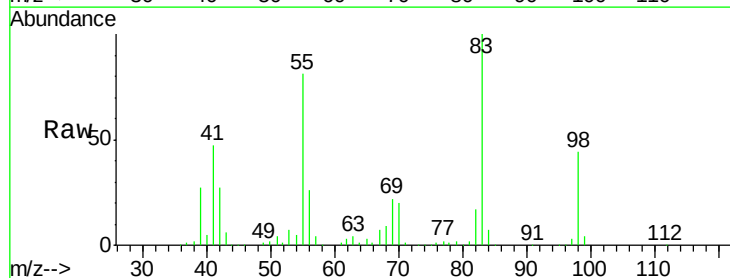


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

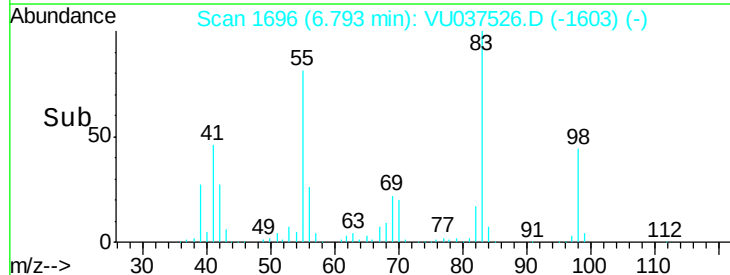
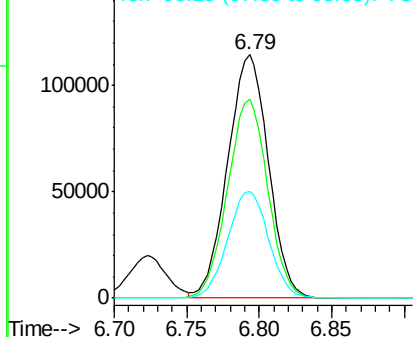


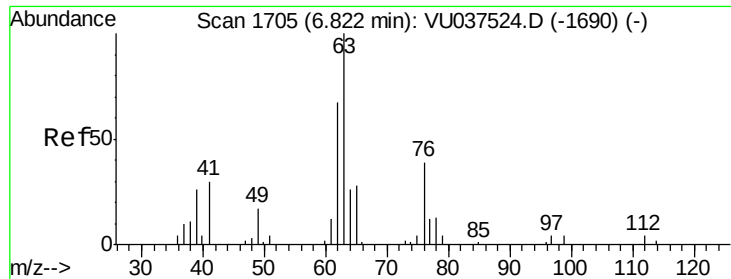
#35
 Methylcyclohexane
 Concen: 18.41 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. -0.00 min
 Lab File: VU037526.D
 Acq: 01 Apr 2020 15:27

Tgt Ion: 83 Resp: 223315
 Ion Ratio Lower Upper
 83 100
 55 80.3 63.0 94.6
 98 44.2 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

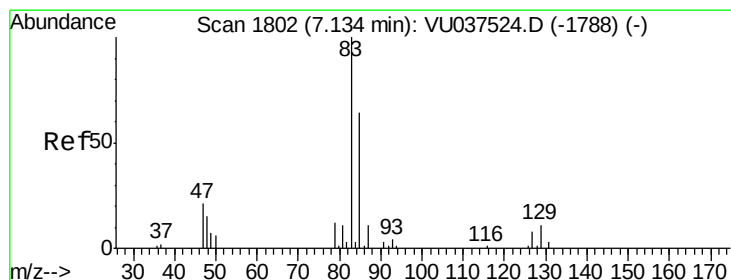
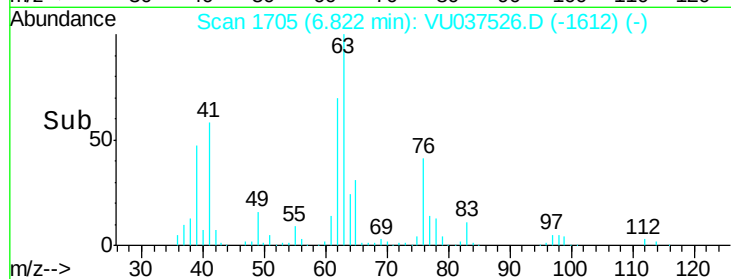
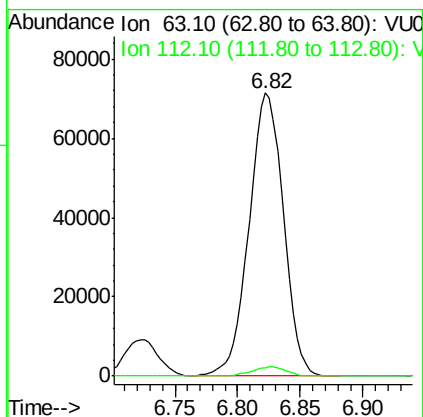
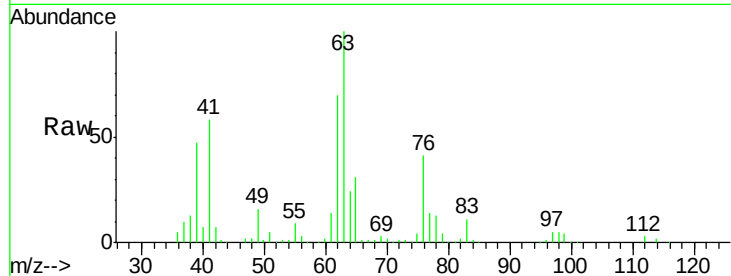




#37
 1,2-Dichloropropane
 Concen: 18.47 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. -0.00 min
 Lab File: VU037526.D
 Acq: 01 Apr 2020 15:27

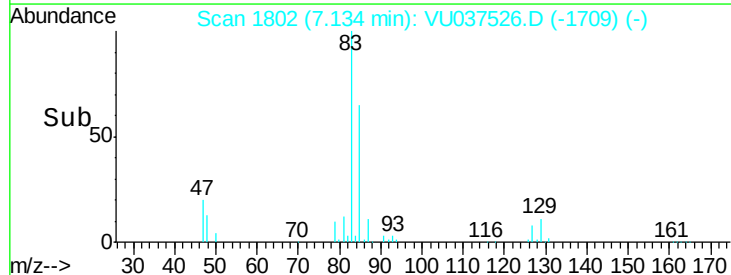
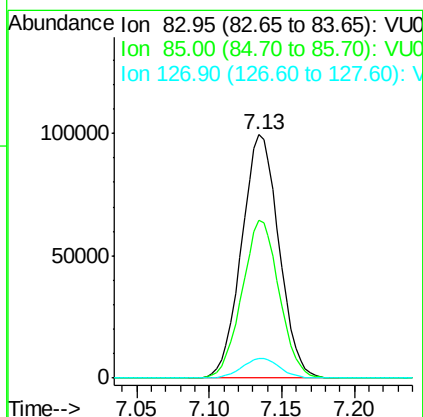
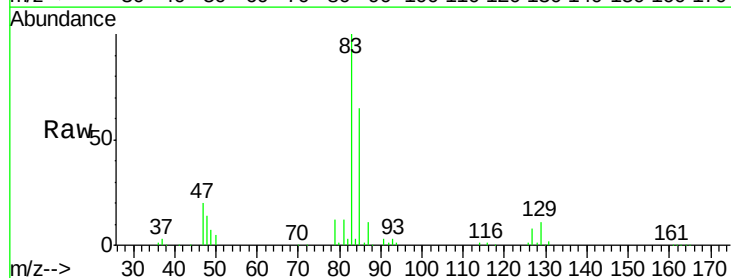
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02002

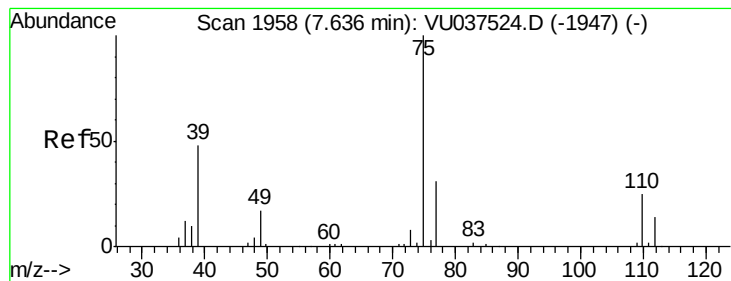
Tgt Ion: 63 Resp: 136794
 Ion Ratio Lower Upper
 63 100
 112 3.3 2.6 3.8



#38
 Bromodichloromethane
 Concen: 18.97 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VU037526.D
 Acq: 01 Apr 2020 15:27

Tgt Ion: 83 Resp: 178403
 Ion Ratio Lower Upper
 83 100
 85 64.7 44.4 82.5
 127 7.9 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 19.08 ug/L

RT: 7.64 min Scan# 1958

Delta R.T. -0.00 min

Lab File: VU037526.D

Acq: 01 Apr 2020 15:27

Instrument :

MSVOA_U

ClientSampleId :

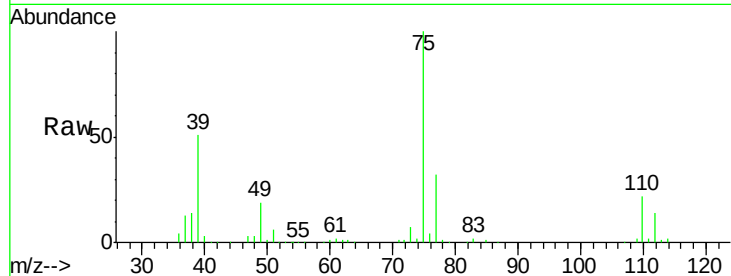
VSTD02002

Tgt Ion: 75 Resp: 214882

Ion Ratio Lower Upper

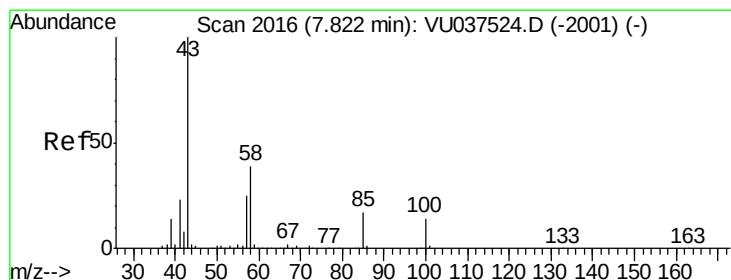
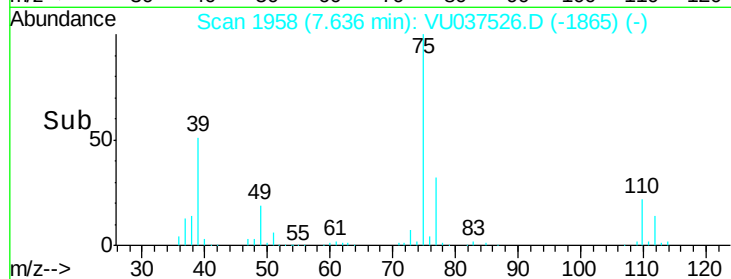
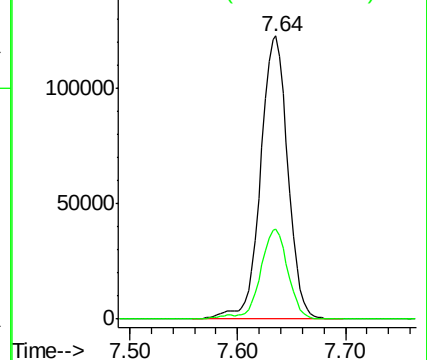
75 100

77 31.7 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#40

4-Methyl-2-pentanone

Concen: 188.68 ug/L

RT: 7.82 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VU037526.D

Acq: 01 Apr 2020 15:27

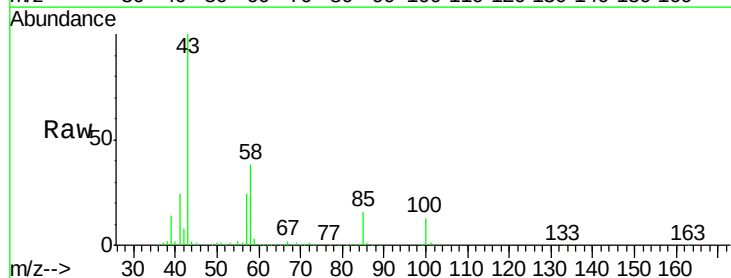
Tgt Ion: 43 Resp: 969483

Ion Ratio Lower Upper

43 100

58 38.2 31.7 47.5

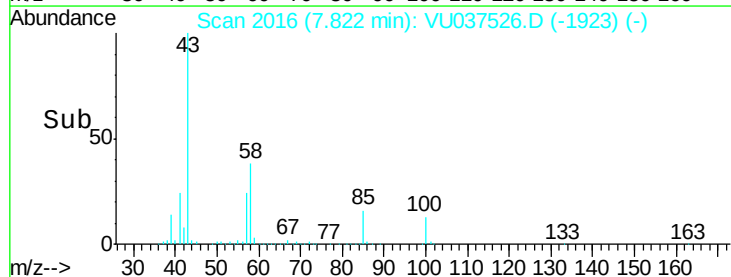
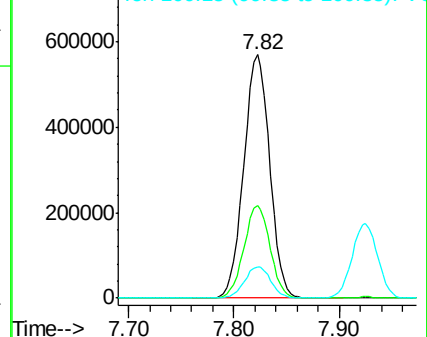
100 13.2 11.0 16.6

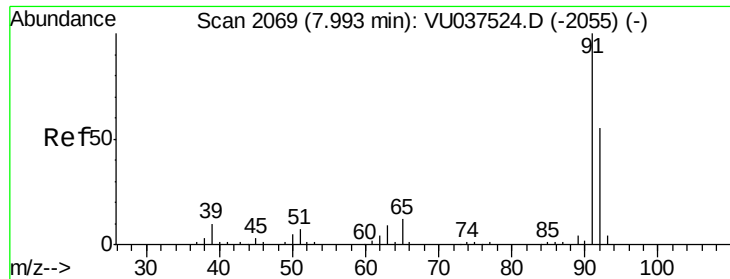


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 100.15 (99.85 to 100.85): VU0





#42

Toluene

Concen: 18.86 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037526.D

Acq: 01 Apr 2020 15:27

Instrument :

MSVOA_U

ClientSampleId :

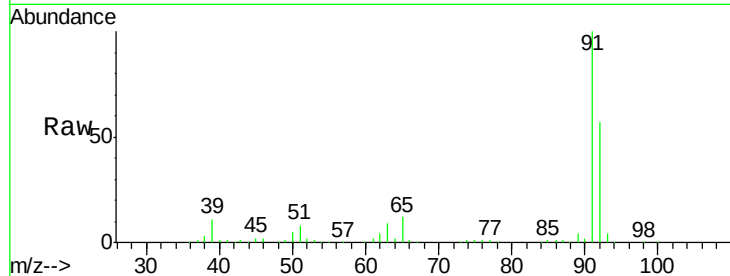
VSTD02002

Tgt Ion: 91 Resp: 547934

Ion Ratio Lower Upper

91 100

92 57.1 38.6 71.8



Abundance Ion 91.15 (90.85 to 91.85): VU037526.D (-1976) (-)

Ion 92.15 (91.85 to 92.85): VU037526.D (-1976) (-)

8.00

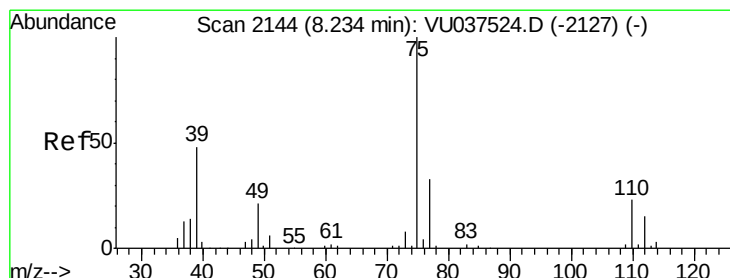
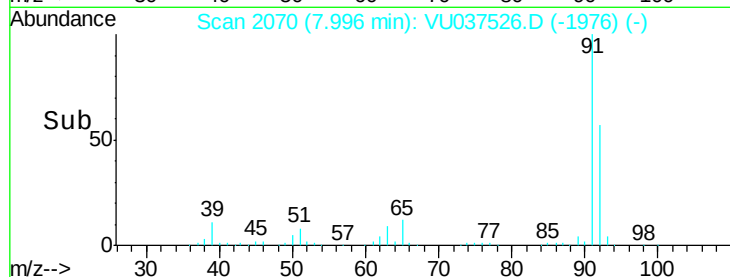
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 19.44 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU037526.D

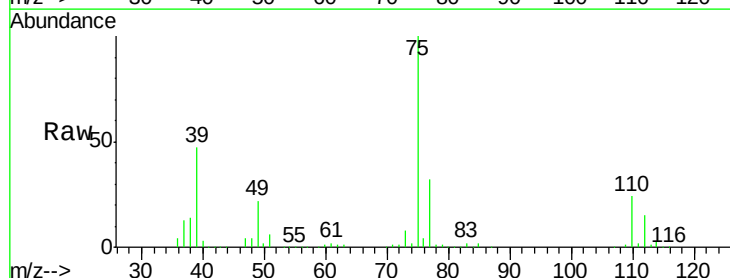
Acq: 01 Apr 2020 15:27

Tgt Ion: 75 Resp: 191389

Ion Ratio Lower Upper

75 100

77 32.5 22.9 42.5



Abundance Ion 75.05 (74.75 to 75.75): VU037526.D (-2051) (-)

Ion 77.05 (76.75 to 77.75): VU037526.D (-2051) (-)

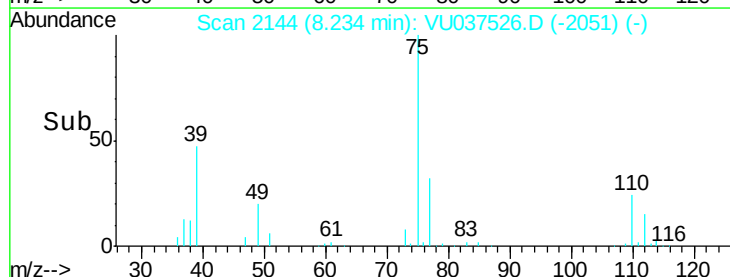
8.23

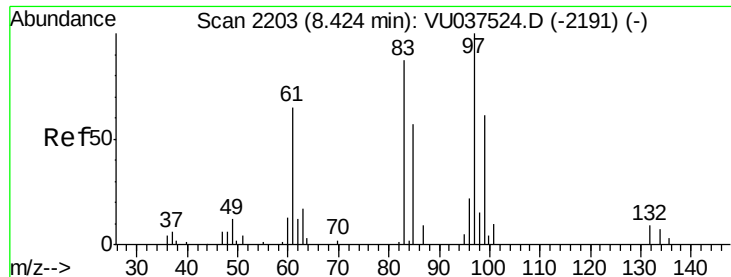
100000

50000

0

Time-->

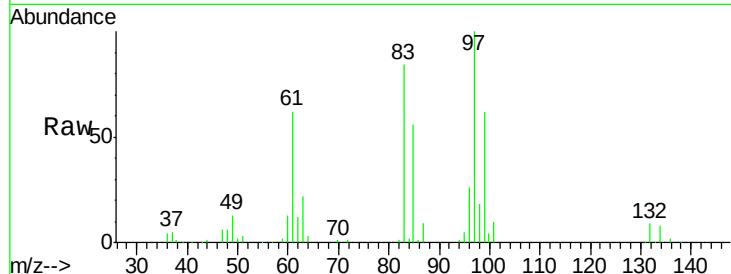




#45
 1,1,2-Trichloroethane
 Concen: 18.92 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VU037526.D
 Acq: 01 Apr 2020 15:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02002

Tgt Ion:	97	Resp:	97556
Ion	Ratio	Lower	Upper
97	100		
99	61.7	42.8	79.4
83	84.4	61.0	113.4
85	56.3	39.8	73.8

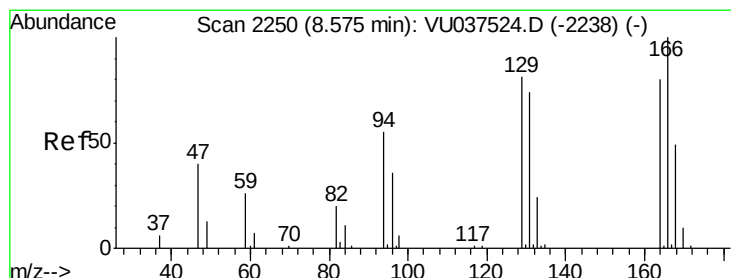
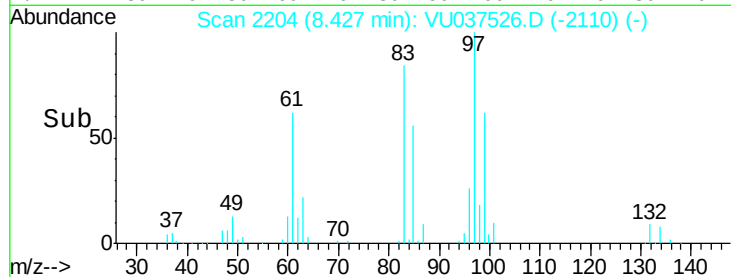
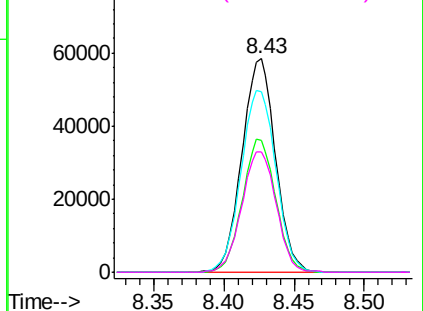


Abundance Ion 96.95 (96.65 to 97.65): VU037526.D (-2110) (-)

Ion 99.05 (98.75 to 99.75): VU037526.D (-2110) (-)

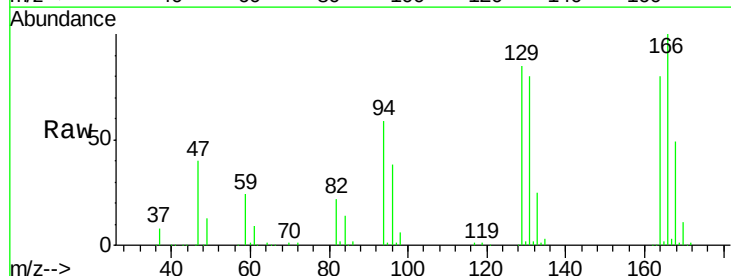
Ion 82.95 (82.65 to 83.65): VU037526.D (-2110) (-)

Ion 85.00 (84.70 to 85.70): VU037526.D (-2110) (-)



#47
 Tetrachloroethene
 Concen: 19.34 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU037526.D
 Acq: 01 Apr 2020 15:27

Tgt Ion:	164	Resp:	90806
Ion	Ratio	Lower	Upper
164	100		
129	105.7	70.4	130.8
131	98.9	64.4	119.6
166	124.3	87.1	161.7

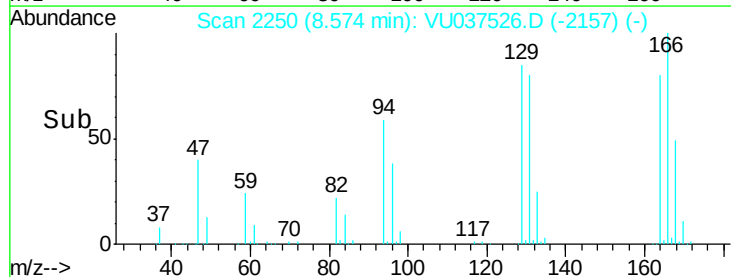
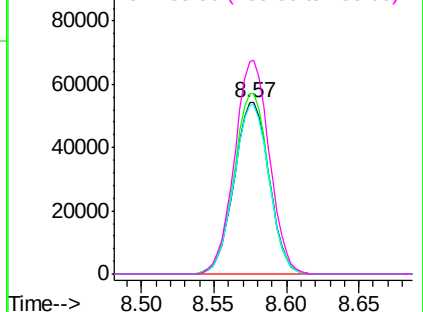


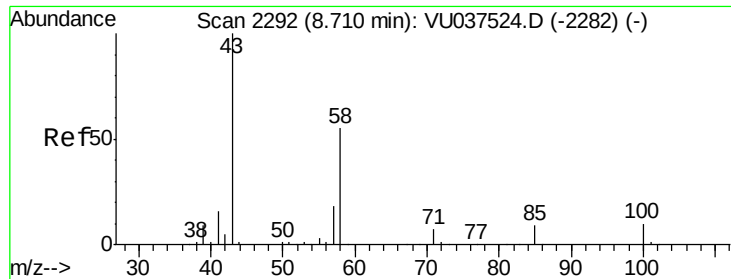
Abundance Ion 163.90 (163.60 to 164.60): VU037526.D (-2157) (-)

Ion 128.95 (128.65 to 129.65): VU037526.D (-2157) (-)

Ion 130.95 (130.65 to 131.65): VU037526.D (-2157) (-)

Ion 165.90 (165.60 to 166.60): VU037526.D (-2157) (-)

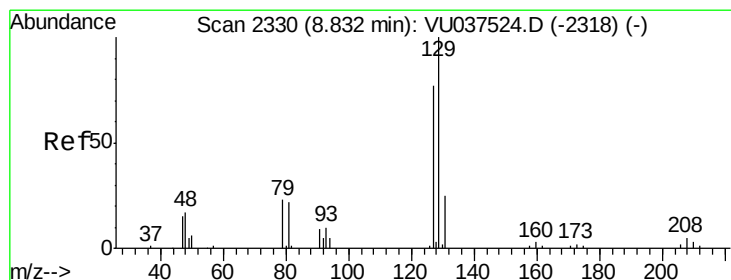
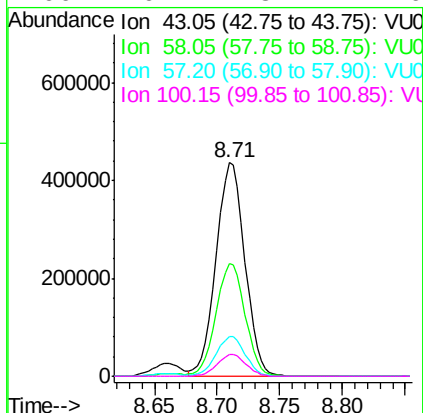
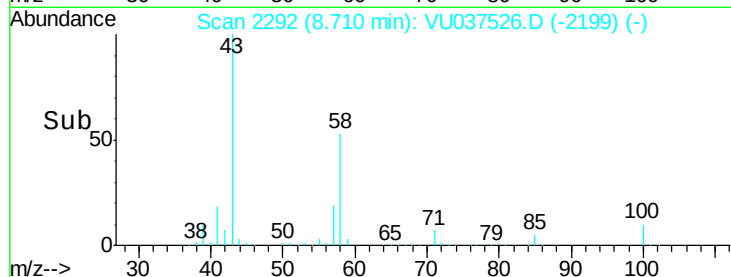
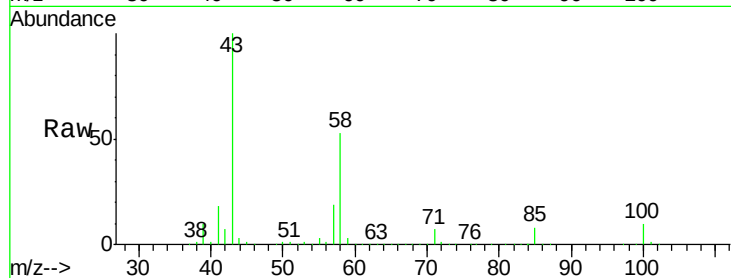




#48
2-Hexanone
Concen: 186.25 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU037526.D
Acq: 01 Apr 2020 15:27

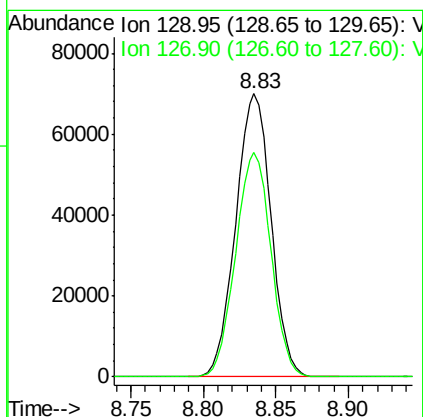
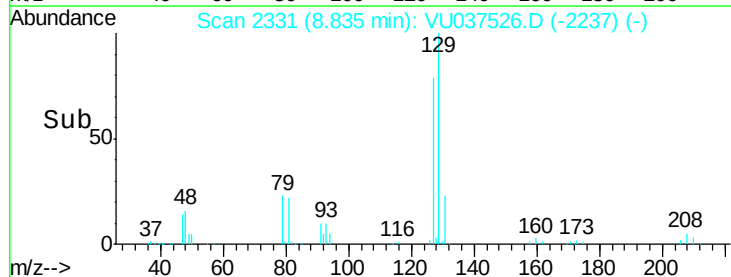
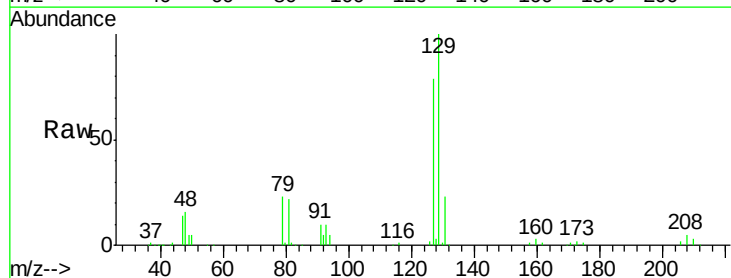
Instrument :
MSVOA_U
ClientSampleId :
VSTD02002

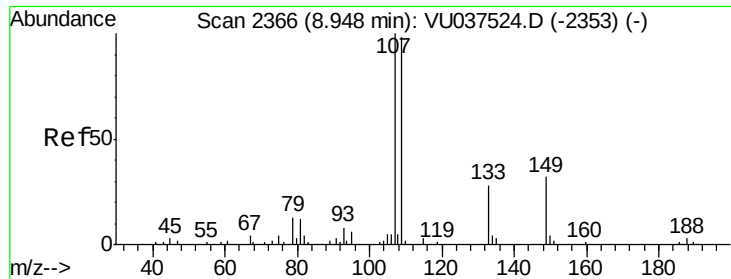
Tgt Ion:	43	Resp:	694853
Ion	Ratio	Lower	Upper
43	100		
58	53.4	45.0	67.6
57	18.9	14.9	22.3
100	10.2	8.4	12.6



#49
Dibromochloromethane
Concen: 19.36 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU037526.D
Acq: 01 Apr 2020 15:27

Tgt Ion:	129	Resp:	118382
Ion	Ratio	Lower	Upper
129	100		
127	79.2	53.6	99.6

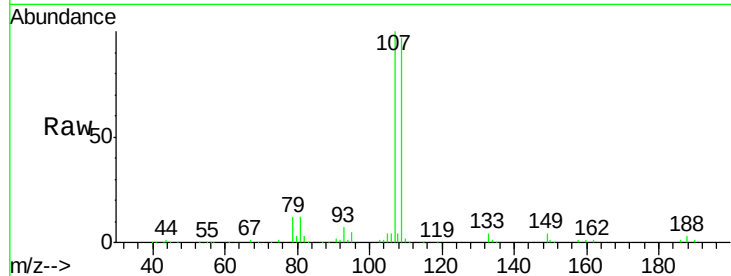




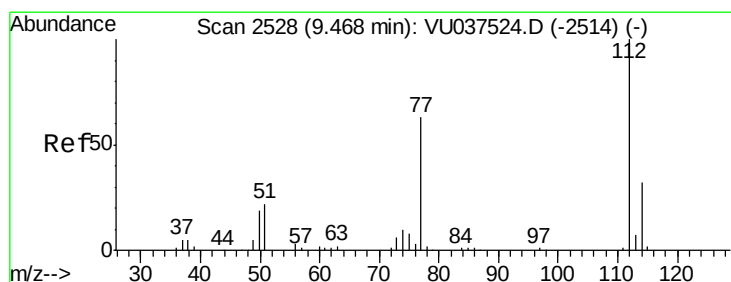
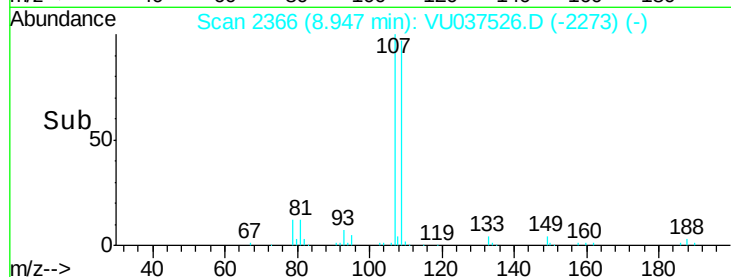
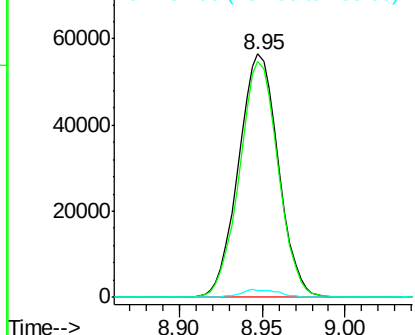
#50
1,2-Dibromoethane
Concen: 18.74 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. -0.00 min
Lab File: VU037526.D
Acq: 01 Apr 2020 15:27

Instrument :
MSVOA_U
ClientSampleId :
VSTD02002

Tgt Ion:107 Resp: 94188
Ion Ratio Lower Upper
107 100
109 97.0 68.9 127.9
188 3.0 2.2 3.4

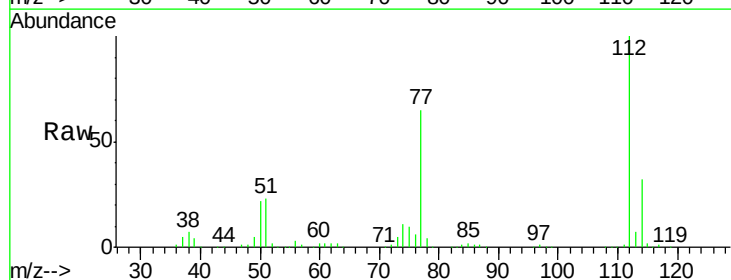


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

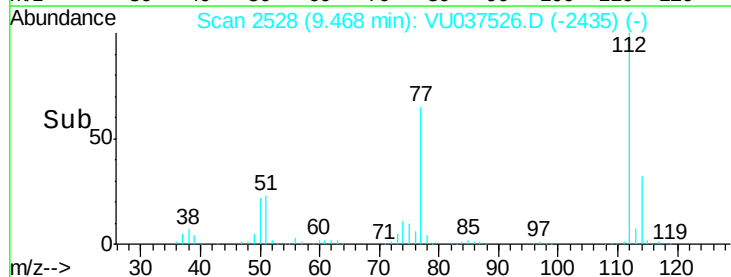
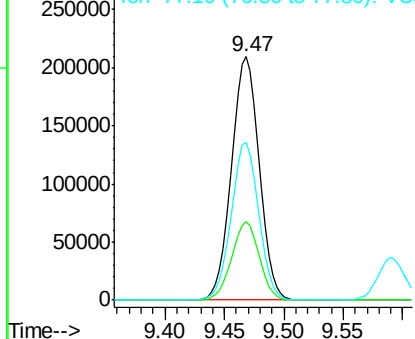


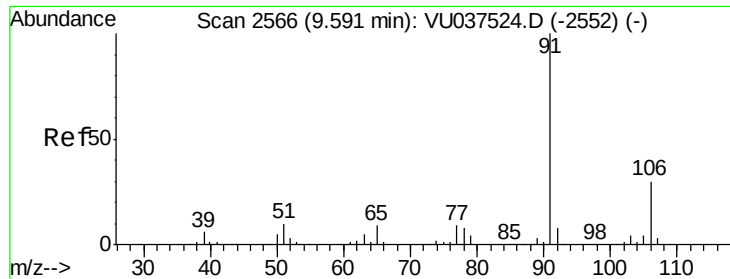
#51
Chlorobenzene
Concen: 18.92 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. -0.00 min
Lab File: VU037526.D
Acq: 01 Apr 2020 15:27

Tgt Ion:112 Resp: 339071
Ion Ratio Lower Upper
112 100
114 32.4 22.4 41.6
77 65.0 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: 19.12 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VU037526.D

Acq: 01 Apr 2020 15:27

Instrument :

MSVOA_U

ClientSampleId :

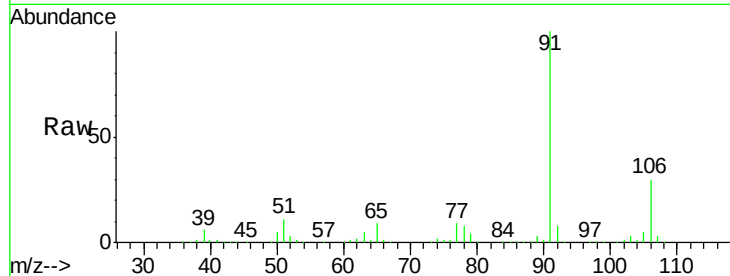
VSTD02002

Tgt Ion: 91 Resp: 631202

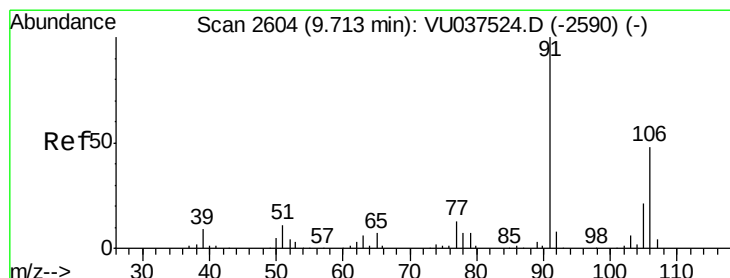
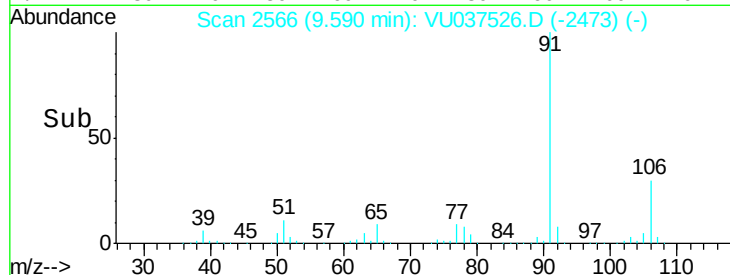
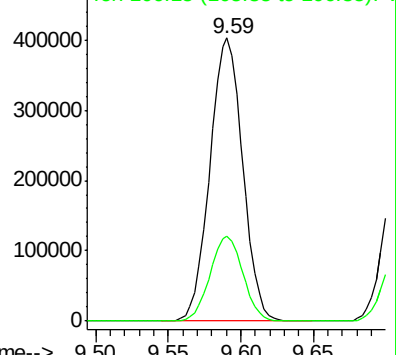
Ion Ratio Lower Upper

91 100

106 30.1 21.3 39.5



Abundance Ion 91.15 (90.85 to 91.85): VU037526.D (-2552) (-)



#53

m,p-Xylene

Concen: 18.63 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU037526.D

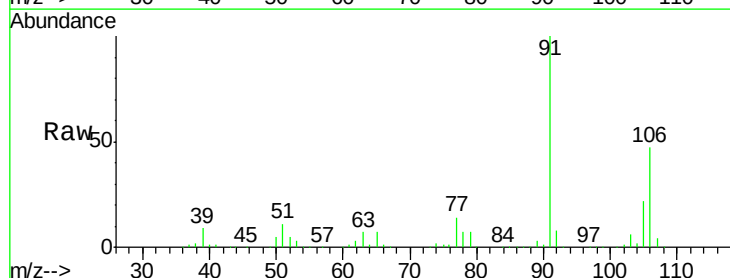
Acq: 01 Apr 2020 15:27

Tgt Ion: 106 Resp: 232317

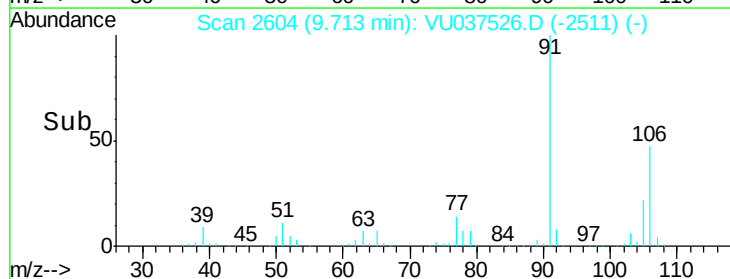
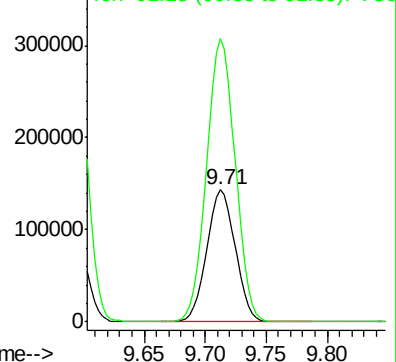
Ion Ratio Lower Upper

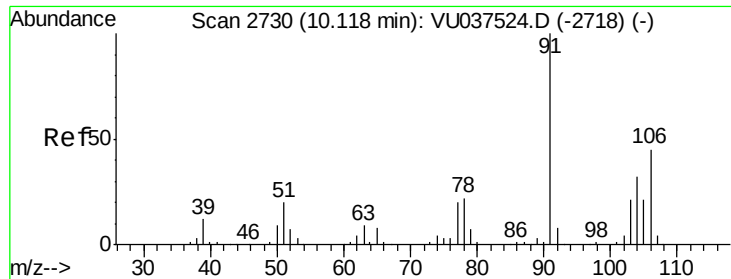
106 100

91 214.7 147.4 273.8



Abundance Ion 106.15 (105.85 to 106.85): VU037526.D (-2590) (-)

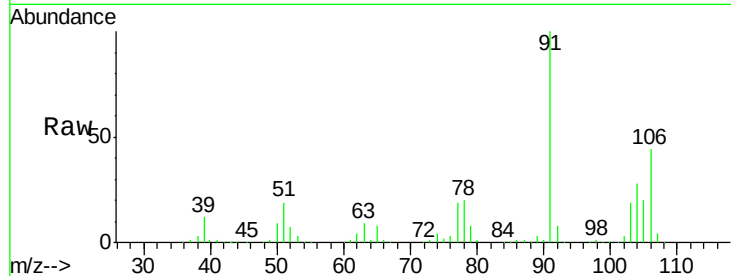




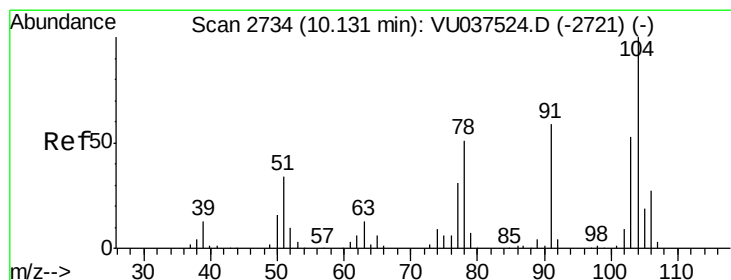
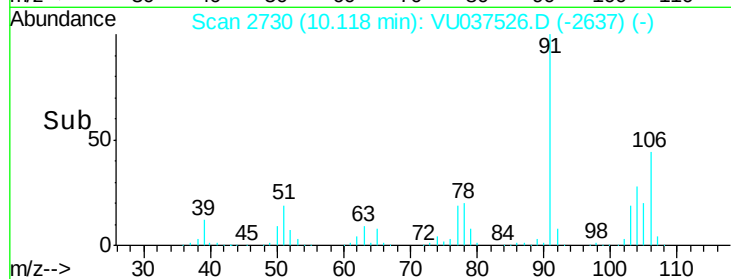
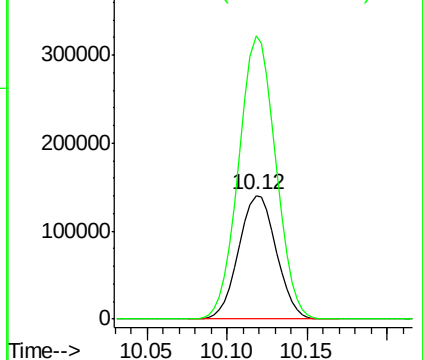
#54
o-Xylene
Concen: 18.70 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU037526.D
Acq: 01 Apr 2020 15:27

Instrument :
MSVOA_U
ClientSampleId :
VSTD02002

Tgt Ion:106 Resp: 224478
Ion Ratio Lower Upper
106 100
91 228.7 156.8 291.2

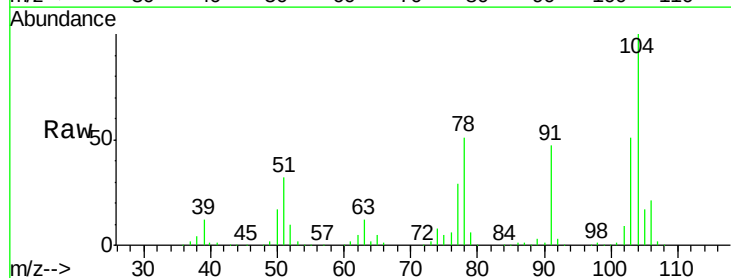


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

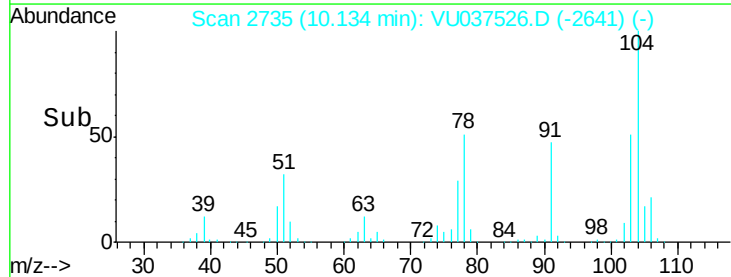
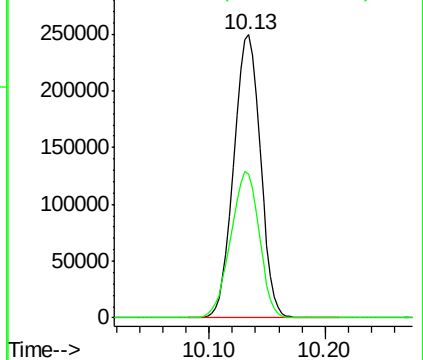


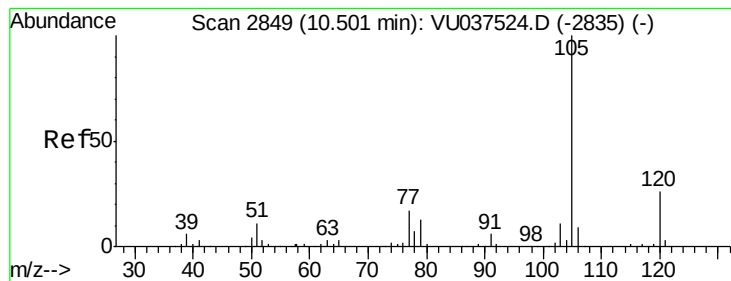
#55
Styrene
Concen: 19.16 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU037526.D
Acq: 01 Apr 2020 15:27

Tgt Ion:104 Resp: 395361
Ion Ratio Lower Upper
104 100
78 51.0 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: 18.88 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU037526.D

Acq: 01 Apr 2020 15:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD02002

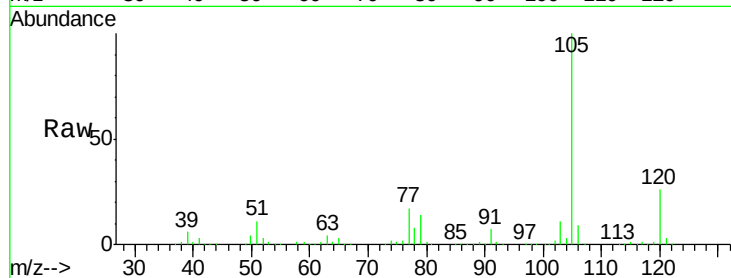
Tgt Ion: 105 Resp: 616066

Ion Ratio Lower Upper

105 100

120 25.8 20.6 31.0

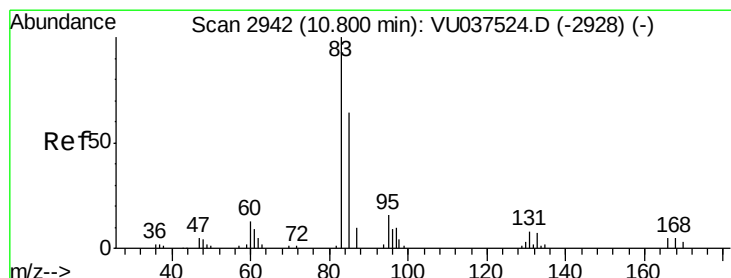
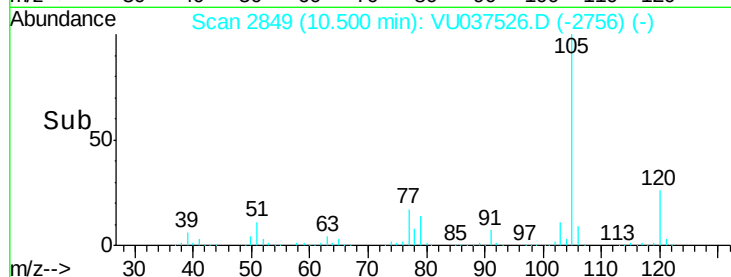
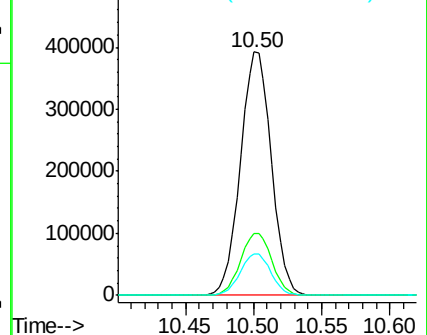
77 17.1 13.5 20.3



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: 18.81 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. -0.00 min

Lab File: VU037526.D

Acq: 01 Apr 2020 15:27

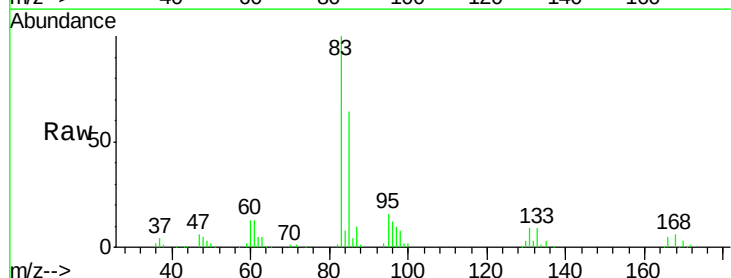
Tgt Ion: 83 Resp: 130617

Ion Ratio Lower Upper

83 100

85 64.0 45.2 84.0

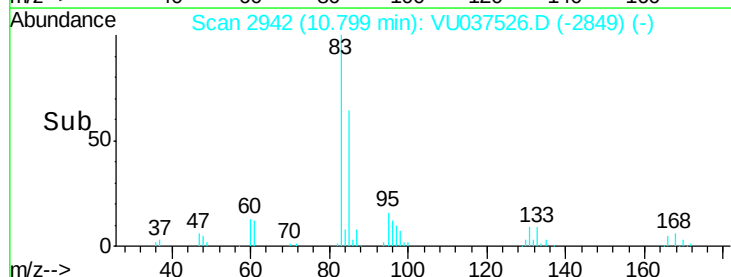
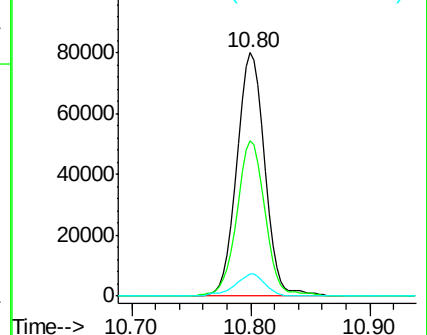
131 9.1 6.6 9.8

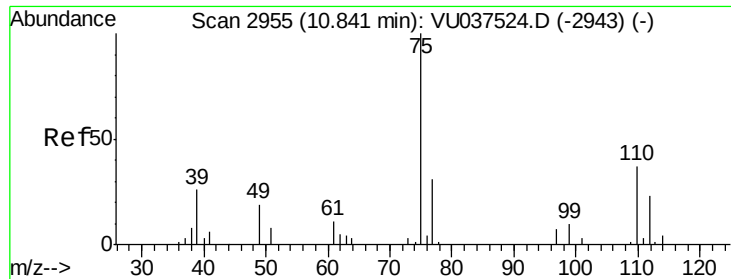


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 19.35 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. -0.00 min

Lab File: VU037526.D

Acq: 01 Apr 2020 15:27

Instrument :

MSVOA_U

ClientSampleId :

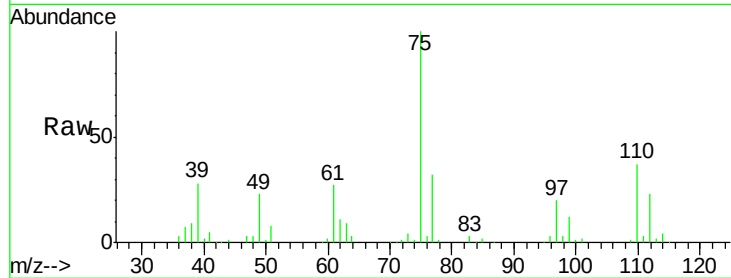
VSTD02002

Tgt Ion: 75 Resp: 93153

Ion Ratio Lower Upper

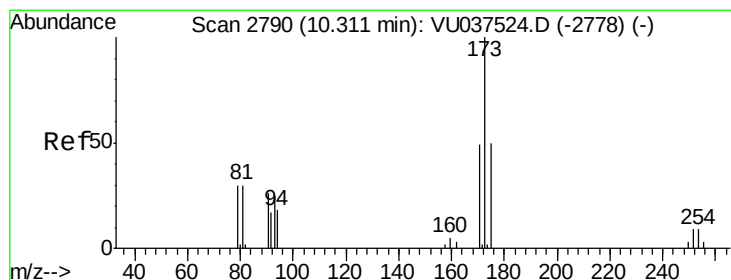
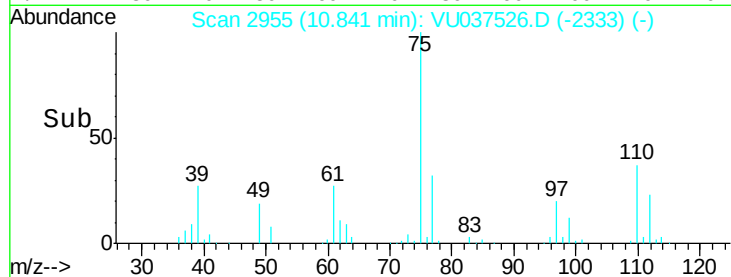
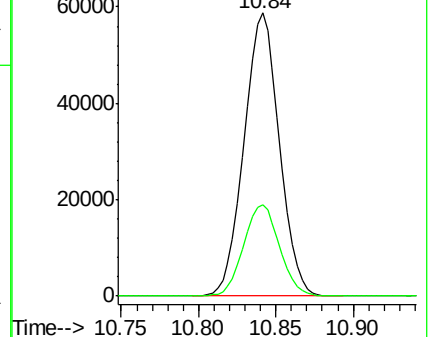
75 100

77 32.7 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) (-)



#61

Bromoform

Concen: 19.21 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. -0.00 min

Lab File: VU037526.D

Acq: 01 Apr 2020 15:27

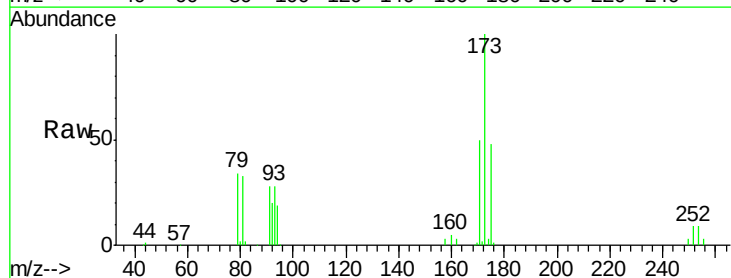
Tgt Ion: 173 Resp: 68880

Ion Ratio Lower Upper

173 100

175 48.3 37.2 55.8

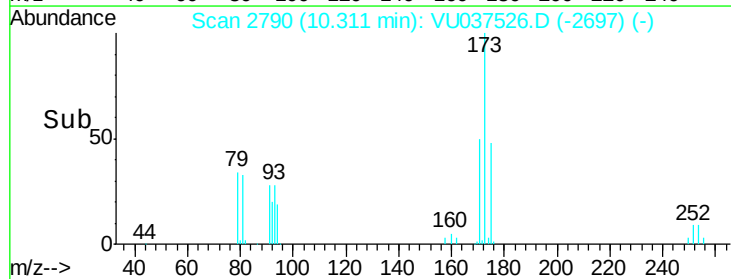
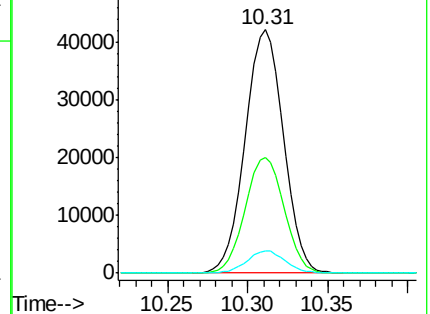
254 9.1 7.7 11.5

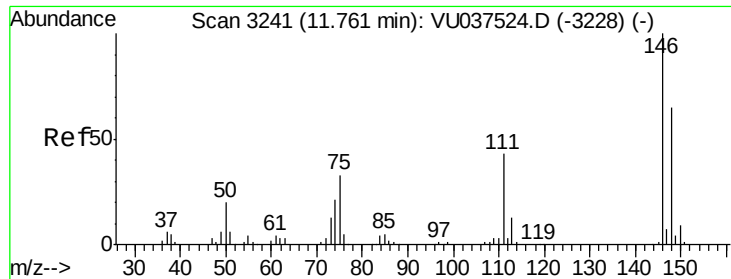


Abundance Ion 172.90 (172.60 to 173.60): VU037524.D (-2778) (-)

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

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

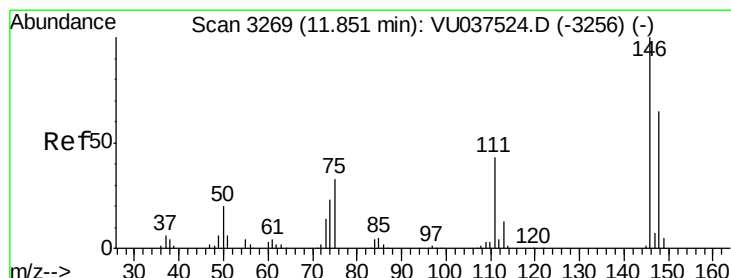
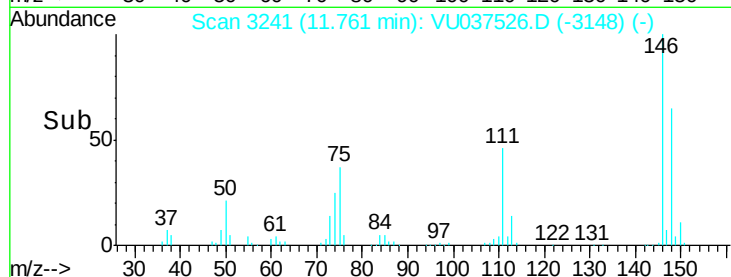
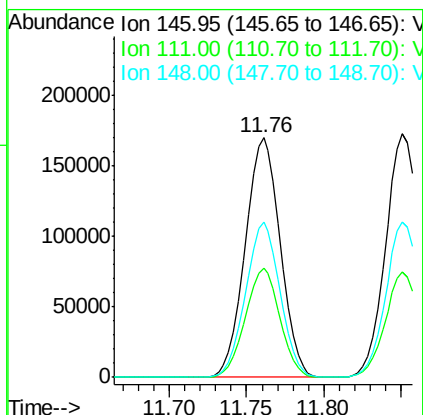
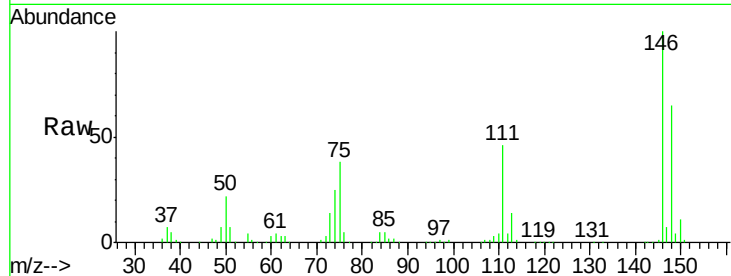




#62
 1,3-Dichlorobenzene
 Concen: 18.47 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. -0.00 min
 Lab File: VU037526.D
 Acq: 01 Apr 2020 15:27

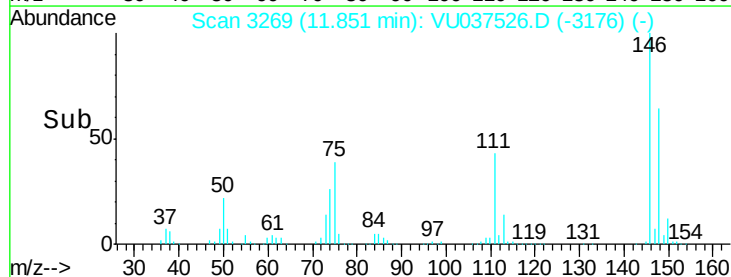
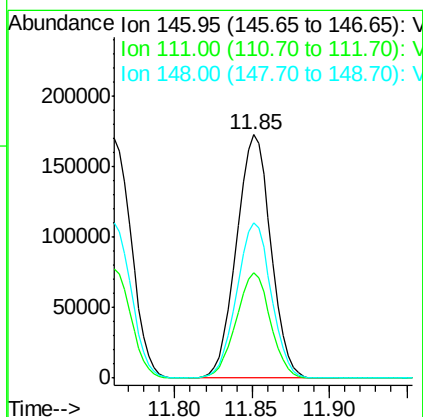
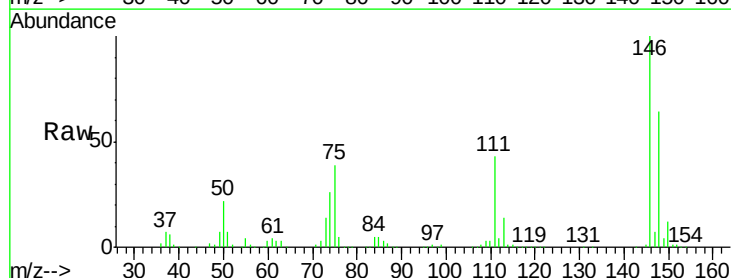
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02002

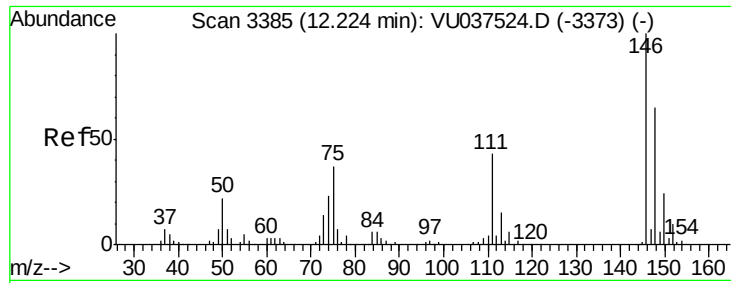
Tgt Ion:146 Resp: 268071
 Ion Ratio Lower Upper
 146 100
 111 45.7 29.8 55.4
 148 64.7 45.2 84.0



#63
 1,4-Dichlorobenzene
 Concen: 17.98 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU037526.D
 Acq: 01 Apr 2020 15:27

Tgt Ion:146 Resp: 266631
 Ion Ratio Lower Upper
 146 100
 111 43.3 29.9 55.5
 148 63.8 45.6 84.8





#65

1,2-Dichlorobenzene

Concen: 18.04 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU037526.D

Acq: 01 Apr 2020 15:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD02002

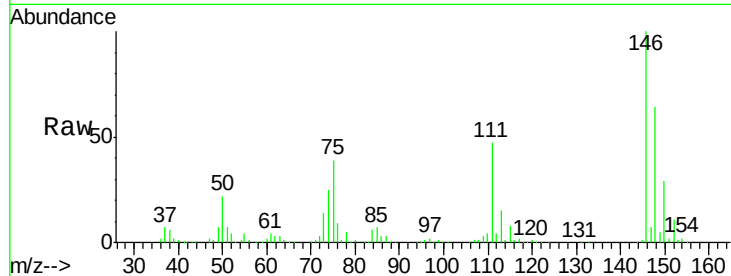
Tgt Ion:146 Resp: 251641

Ion Ratio Lower Upper

146 100

111 46.6 34.2 51.4

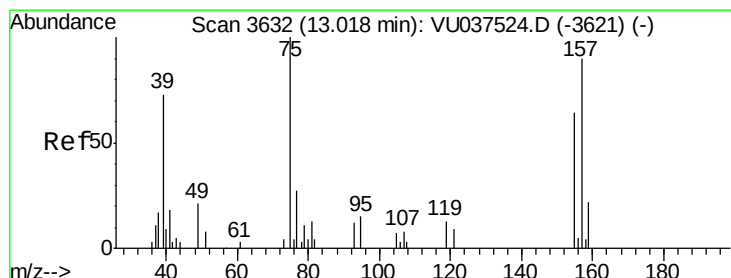
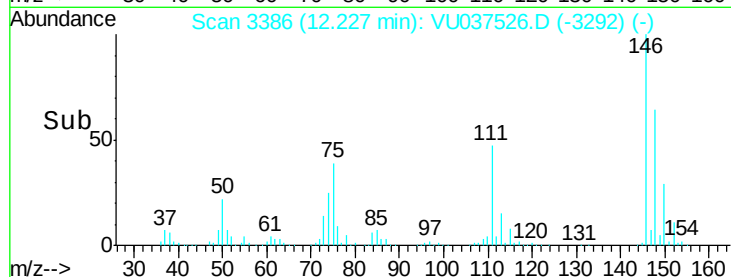
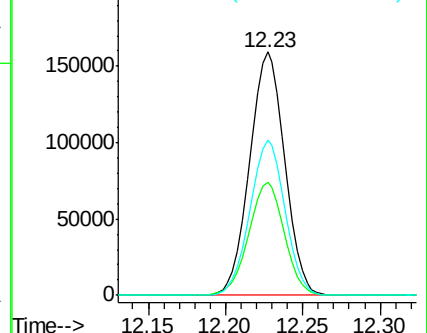
148 63.8 52.2 78.4



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: 20.26 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. -0.00 min

Lab File: VU037526.D

Acq: 01 Apr 2020 15:27

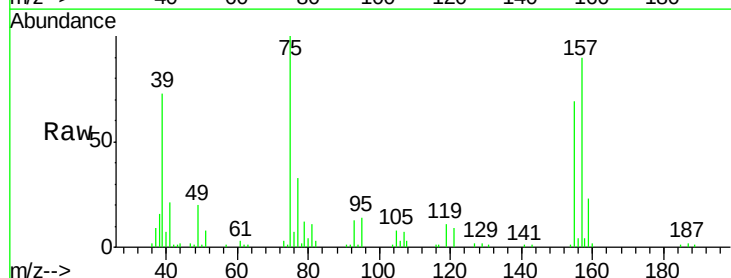
Tgt Ion: 75 Resp: 26548

Ion Ratio Lower Upper

75 100

155 68.6 51.0 76.4

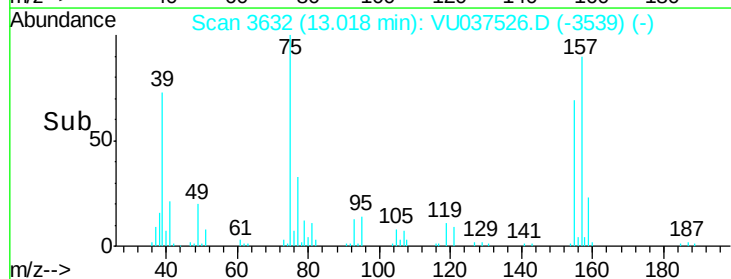
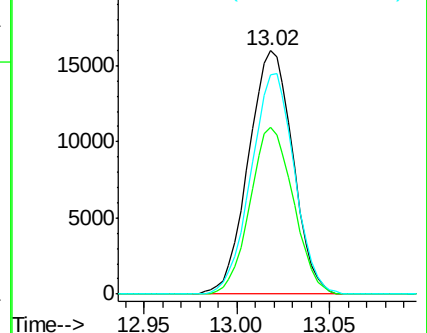
157 90.3 72.0 108.0

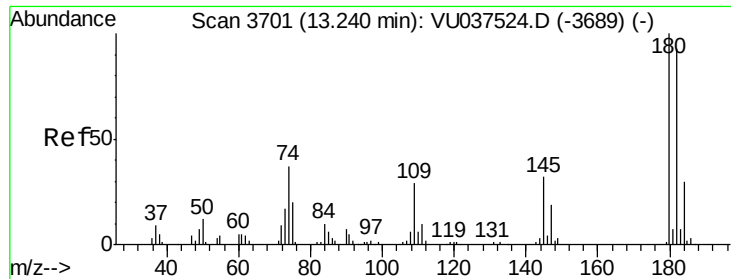


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

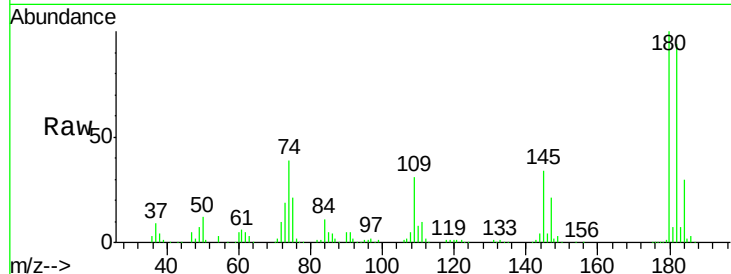




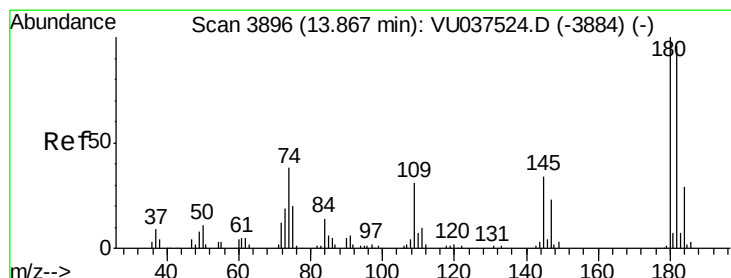
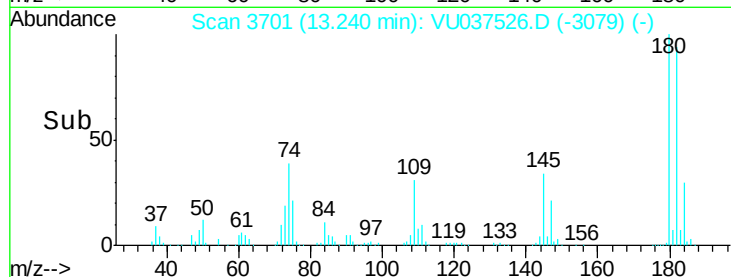
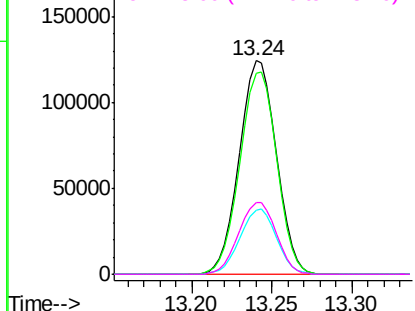
#67
 1,3,5-Trichlorobenzene
 Concen: 18.74 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU037526.D
 Acq: 01 Apr 2020 15:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02002

Tgt Ion:180 Resp: 195748
 Ion Ratio Lower Upper
 180 100
 182 94.4 77.9 116.9
 184 30.1 25.0 37.6
 145 34.0 27.0 40.4

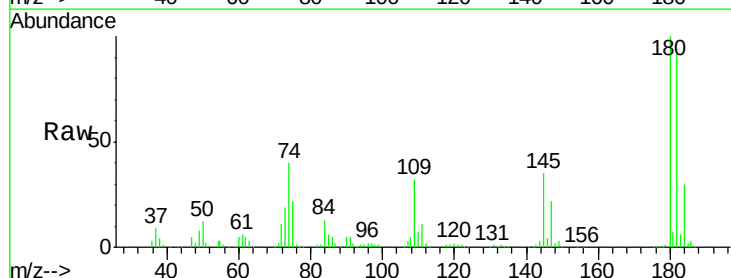


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

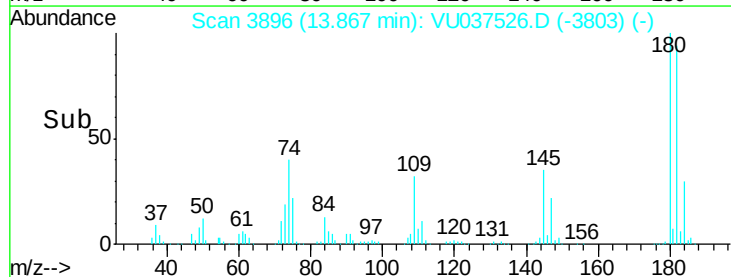
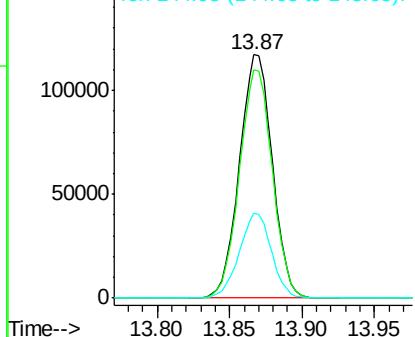


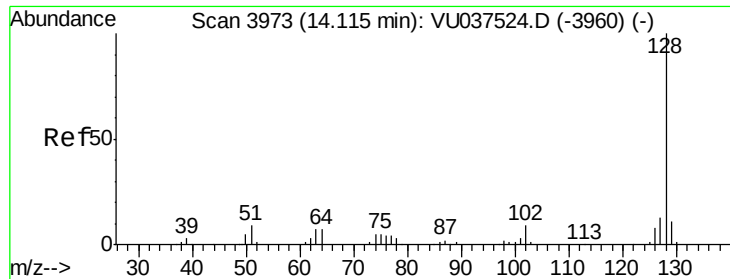
#68
 1,2,4-trichlorobenzene
 Concen: 19.04 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU037526.D
 Acq: 01 Apr 2020 15:27

Tgt Ion:180 Resp: 184482
 Ion Ratio Lower Upper
 180 100
 182 93.9 77.4 116.2
 145 34.1 27.5 41.3



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: 18.55 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU037526.D

Acq: 01 Apr 2020 15:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD02002

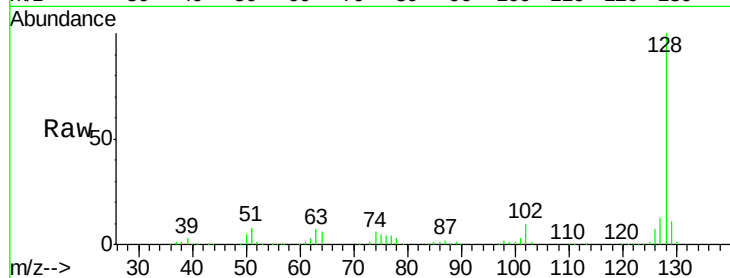
Tgt Ion:128 Resp: 401979

Ion Ratio Lower Upper

128 100

129 10.9 8.4 12.6

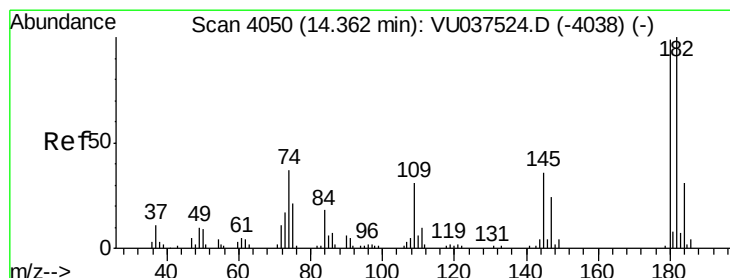
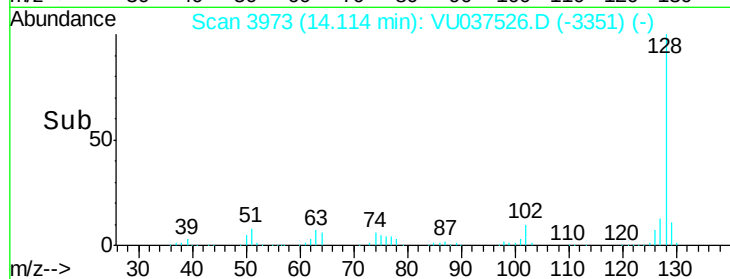
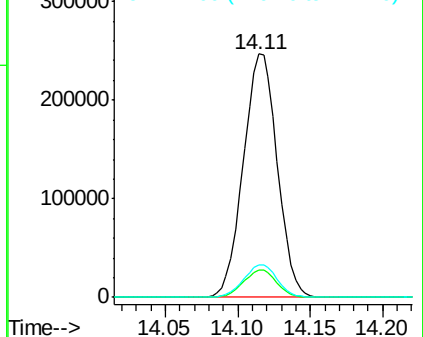
127 13.2 10.4 15.6



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: 19.08 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. -0.00 min

Lab File: VU037526.D

Acq: 01 Apr 2020 15:27

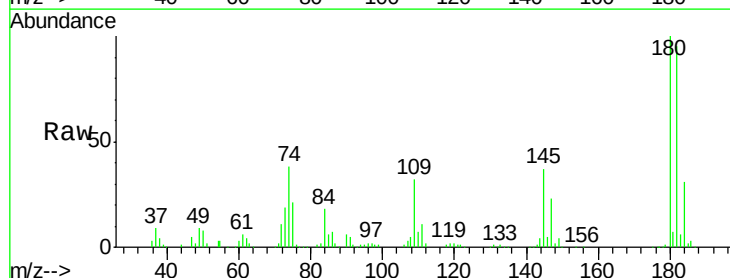
Tgt Ion:180 Resp: 163972

Ion Ratio Lower Upper

180 100

182 95.2 78.7 118.1

145 37.1 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

