

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040220\
 Data File : VU037546.D
 Acq On : 02 Apr 2020 10:25
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 03 00:55:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR040120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 02 13:38:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	113057	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	106147	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	53166	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	37721	3.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.60%
7) Chloroethane-d5	1.93	69	29635	4.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.20%
11) 1,1-Dichloroethene-d2	2.59	63	68636	4.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.60%
20) 2-Butanone-d5	4.67	46	113930	44.33	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.66%
24) Chloroform-d	5.10	84	70113	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.60%
26) 1,2-Dichloroethane-d4	5.74	65	37664	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.00%
32) Benzene-d6	5.76	84	132680	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.00%
36) 1,2-Dichloropropane-d6	6.72	67	44298	4.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.40%
41) Toluene-d8	7.93	98	124763	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.00%
43) trans-1,3-Dichloropropene-	8.20	79	21081	4.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.20%
46) 2-Hexanone-d5	8.66	63	103850	44.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.70%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	38749	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.40%
64) 1,2-Dichlorobenzene-d4	12.21	152	44969	4.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	39175	4.483	ug/L 99
3) Chloromethane	1.53	50	41229	4.555	ug/L 95
5) Vinyl chloride	1.62	62	42349	4.626	ug/L 99
6) Bromomethane	1.87	94	20117	4.594	ug/L 100
8) Chloroethane	1.95	64	23384	4.181	ug/L 94
9) Trichlorofluoromethane	2.16	101	61739	4.578	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	35422	4.578	ug/L 97
12) 1,1-Dichloroethene	2.60	96	32954	4.408	ug/L 99
13) Acetone	2.67	43	66903	46.183	ug/L 100
14) Carbon disulfide	2.82	76	109415	4.455	ug/L 97
15) Methyl Acetate	2.98	43	17899	4.169	ug/L 97
16) Methylene chloride	3.08	84	37782	4.306	ug/L 91
17) Methyl tert-butyl Ether	3.40	73	98195	4.673	ug/L 98
18) trans-1,2-Dichloroethene	3.39	96	35171	4.329	ug/L 98
19) 1,1-Dichloroethane	3.91	63	67244	4.411	ug/L 91
21) 2-Butanone	4.75	43	118342	46.437	ug/L 99
22) cis-1,2-Dichloroethene	4.71	96	38591	4.356	ug/L 100

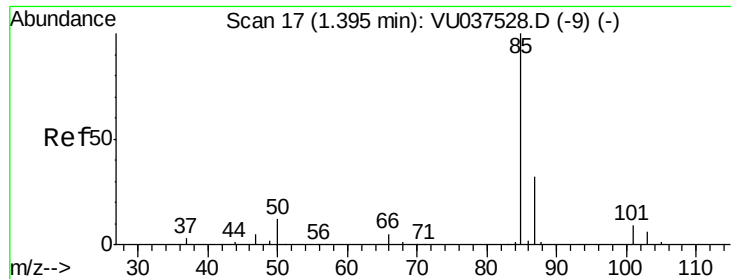
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040220\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	17206	4.457	ug/L	96
25) Chloroform	5.13	83	69913	4.452	ug/L	97
27) 1,2-Dichloroethane	5.83	62	44865	4.453	ug/L	98
29) 1,1,1-Trichloroethane	5.36	97	61384	4.493	ug/L	99
30) Cyclohexane	5.42	56	63978	4.312	ug/L	99
31) Carbon tetrachloride	5.56	117	51855	4.667	ug/L	100
33) Benzene	5.81	78	150410	4.464	ug/L	100
34) Trichloroethene	6.57	95	39288	4.419	ug/L	96
35) Methylcyclohexane	6.79	83	66444	4.465	ug/L	98
37) 1,2-Dichloropropane	6.83	63	39994	4.398	ug/L	100
38) Bromodichloromethane	7.14	83	51995	4.480	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	62621	4.500	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	285111	45.012	ug/L	99
42) Toluene	8.00	91	161993	4.523	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	55737	4.567	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	28997	4.559	ug/L	96
47) Tetrachloroethene	8.58	164	28320	4.869	ug/L	97
48) 2-Hexanone	8.71	43	208967	45.550	ug/L	99
49) Dibromochloromethane	8.84	129	36016	4.754	ug/L	98
50) 1,2-Dibromoethane	8.95	107	28414	4.593	ug/L	92
51) Chlorobenzene	9.47	112	97961	4.432	ug/L	100
52) Ethylbenzene	9.59	91	184489	4.521	ug/L	99
53) m,p-Xylene	9.72	106	68037	4.436	ug/L	99
54) o-Xylene	10.12	106	66208	4.482	ug/L	96
55) Styrene	10.13	104	114557	4.490	ug/L	96
56) Isopropylbenzene	10.50	105	180613	4.490	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	38171	4.461	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	27734	4.651	ug/L	99
61) Bromoform	10.31	173	20360	4.653	ug/L	97
62) 1,3-Dichlorobenzene	11.76	146	81749	4.651	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	82227	4.601	ug/L	96
65) 1,2-Dichlorobenzene	12.23	146	76054	4.523	ug/L	96
66) 1,2-Dibromo-3-chloropropan	13.02	75	7464	4.620	ug/L	94
67) 1,3,5-Trichlorobenzene	13.25	180	60018	4.731	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	56082	4.752	ug/L	99
69) Naphthalene	14.12	128	134408	5.119	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	49644	4.742	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 4.483 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037546.D

Acq: 02 Apr 2020 10:25

Instrument :

MSVOA_U

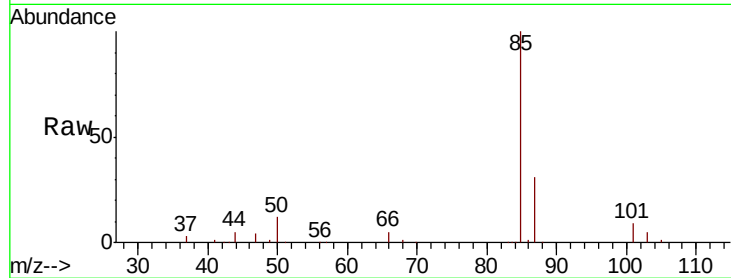
ClientSampleId :

Tot Ion: 85 Resp: 39175

Ion Ratio Lower Upper

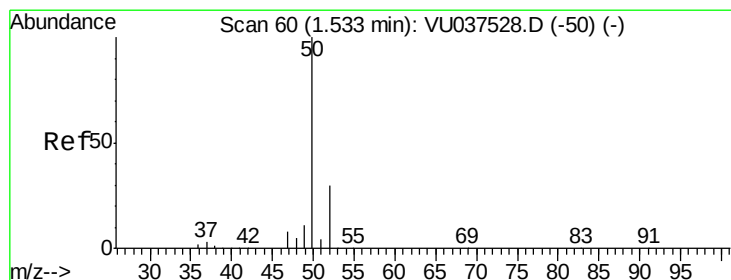
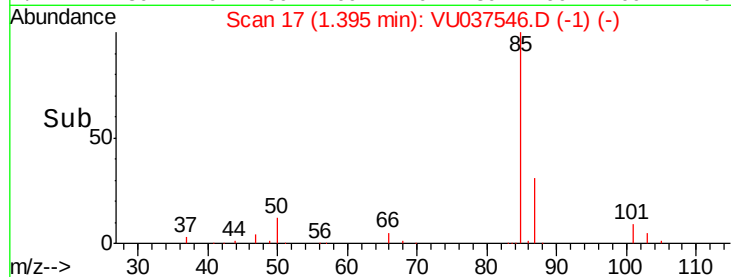
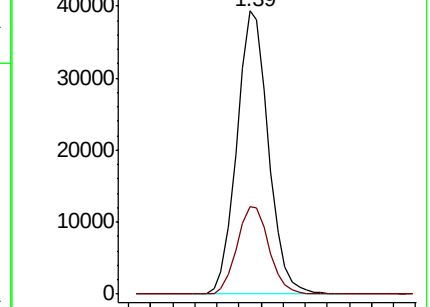
85 100

87 31.4 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU037528.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037528.D (-9) (-)



#3

Chloromethane

Concen: 4.555 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU037546.D

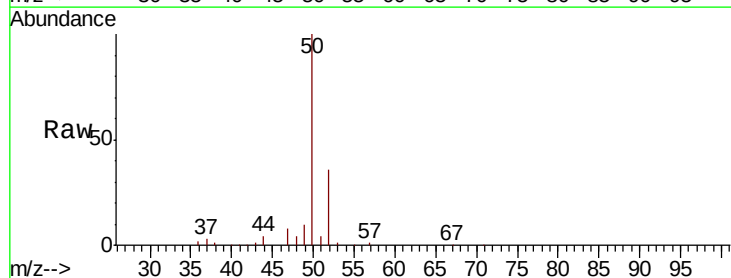
Acq: 02 Apr 2020 10:25

Tgt Ion: 50 Resp: 41229

Ion Ratio Lower Upper

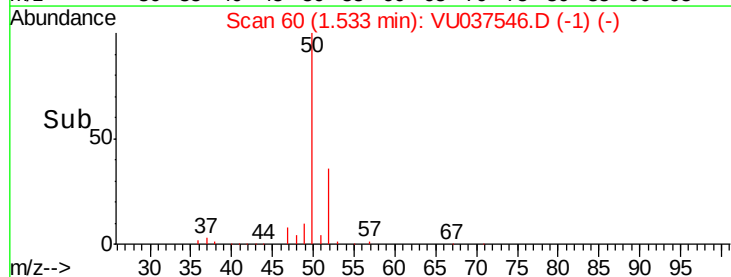
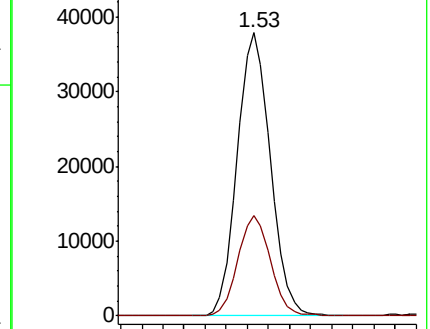
50 100

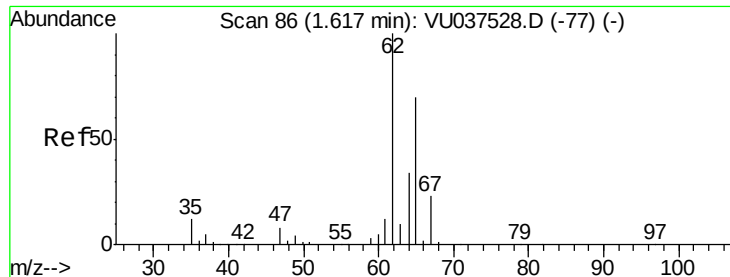
52 35.6 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU037528.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU037528.D (-50) (-)





#5

Vinyl chloride

Concen: 4.626 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037546.D

Acq: 02 Apr 2020 10:25

Instrument :

MSVOA_U

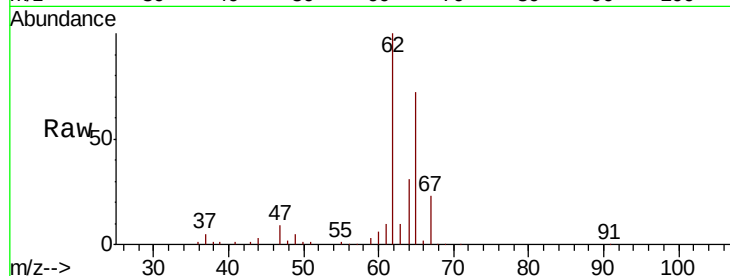
ClientSampled :

Tot Ion: 62 Resp: 42349

Ion Ratio Lower Upper

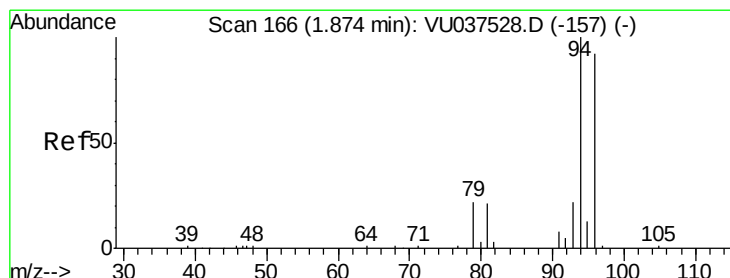
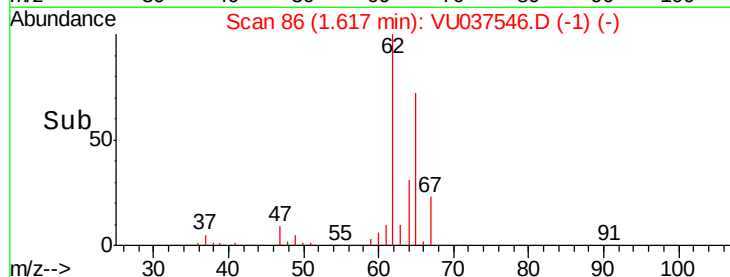
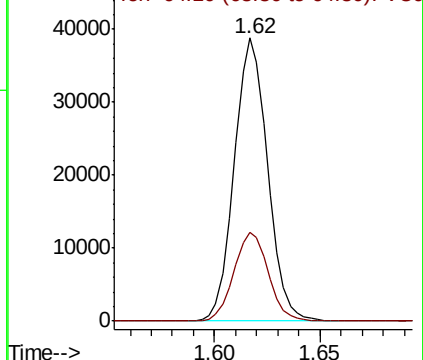
62 100

64 31.5 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VU037528.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU037528.D (-77) (-)



#6

Bromomethane

Concen: 4.594 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU037546.D

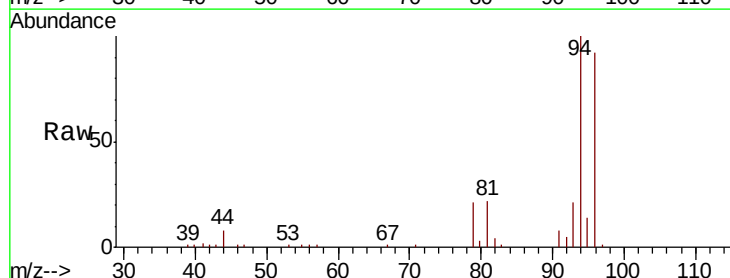
Acq: 02 Apr 2020 10:25

Tgt Ion: 94 Resp: 20117

Ion Ratio Lower Upper

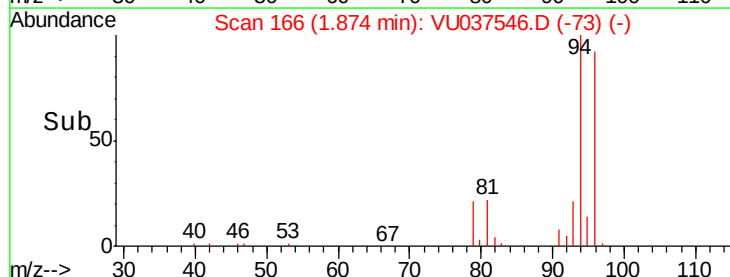
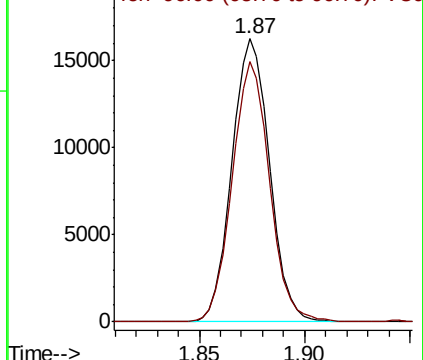
94 100

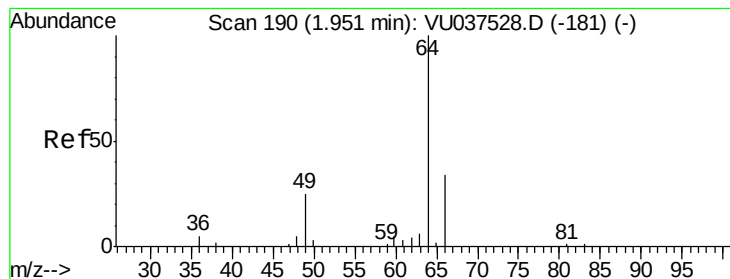
96 91.8 64.3 119.5



Abundance Ion 94.00 (93.70 to 94.70): VU037528.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU037528.D (-157) (-)





#8

Chloroethane

Concen: 4.181 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU037546.D

Acq: 02 Apr 2020 10:25

Instrument :

MSVOA_U

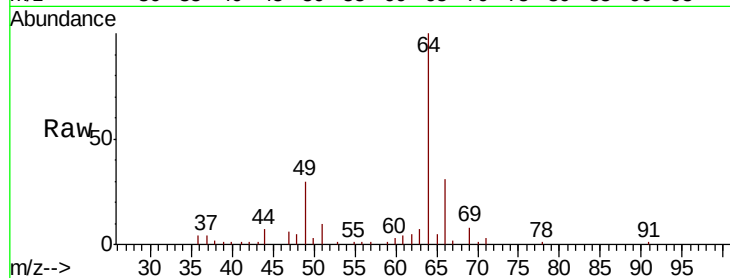
ClientSampleId :

Tot Ion: 64 Resp: 23384

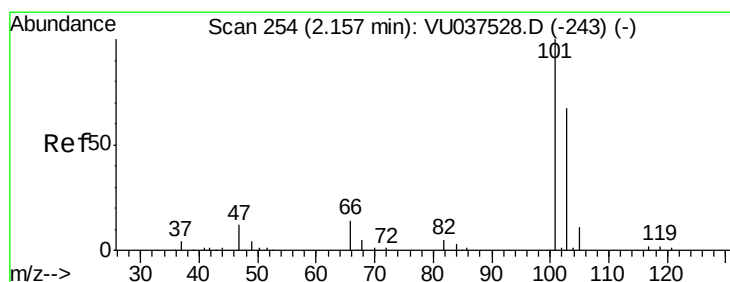
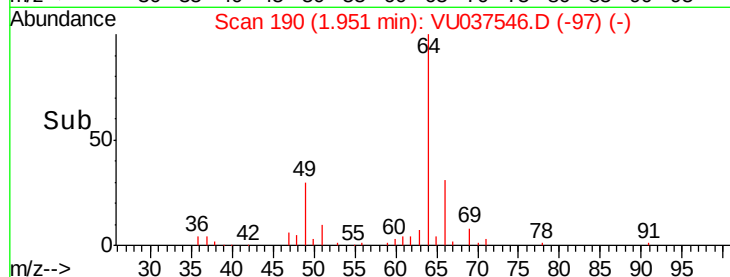
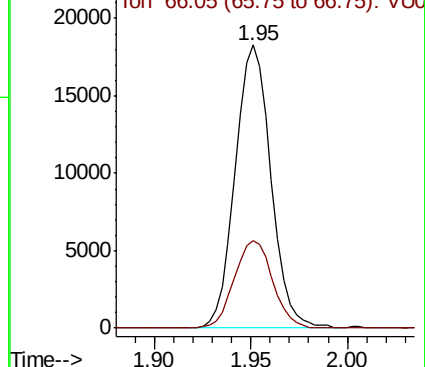
Ion Ratio Lower Upper

64 100

66 31.1 24.1 44.7



Abundance Ion 64.10 (63.80 to 64.80): VU037528.D (-181) (-)



#9

Trichlorofluoromethane

Concen: 4.578 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU037546.D

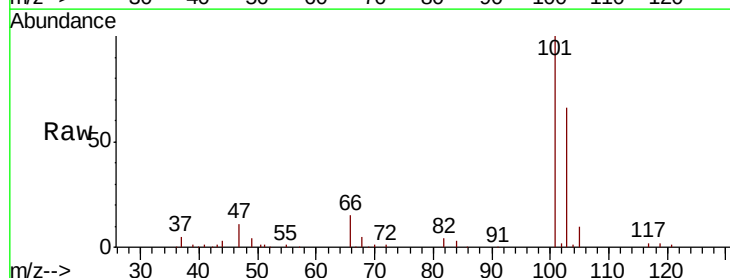
Acq: 02 Apr 2020 10:25

Tgt Ion:101 Resp: 61739

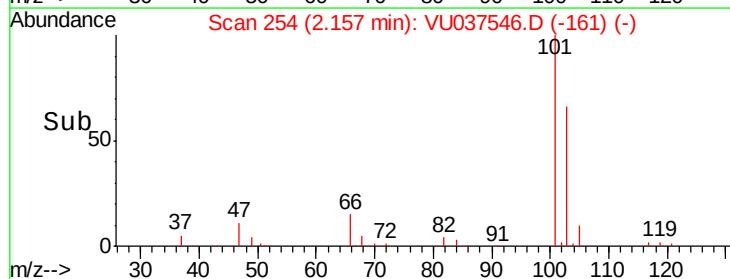
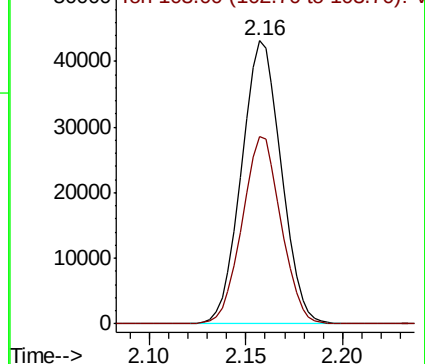
Ion Ratio Lower Upper

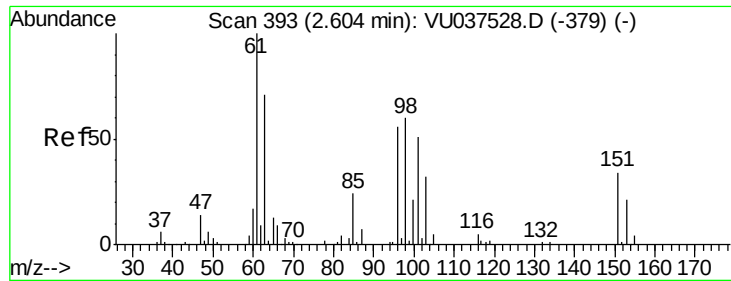
101 100

103 64.9 53.2 79.8



Abundance Ion 101.00 (100.70 to 101.70): VU037528.D (-243) (-)





#10

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

Concen: 4.578 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037546.D

Acq: 02 Apr 2020 10:25

Instrument :

MSVOA_U

ClientSampled :

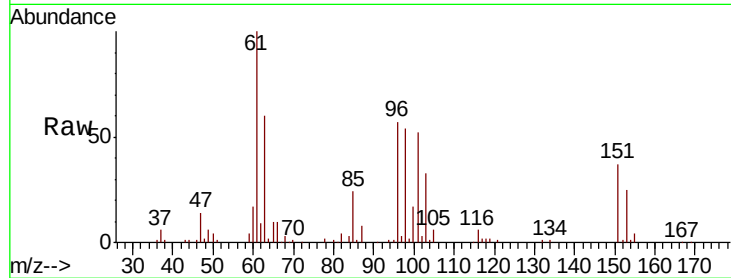
Tot Ion:101 Resp: 35422

Ion Ratio Lower Upper

101 100

85 46.2 35.8 53.8

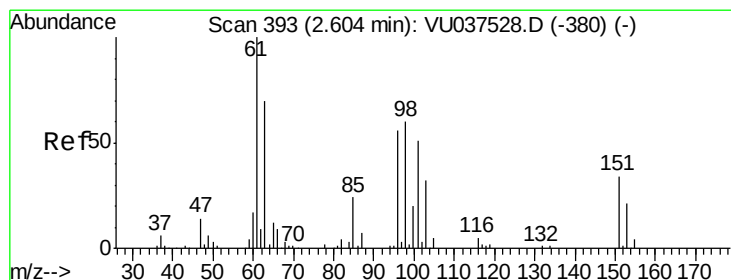
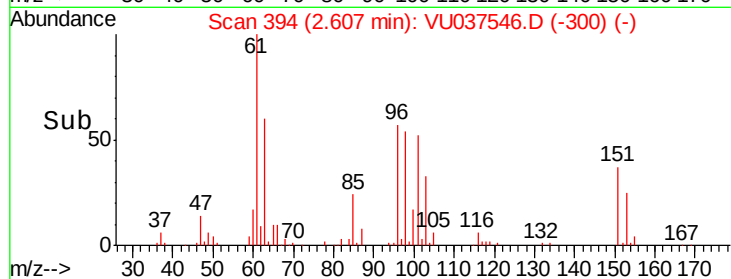
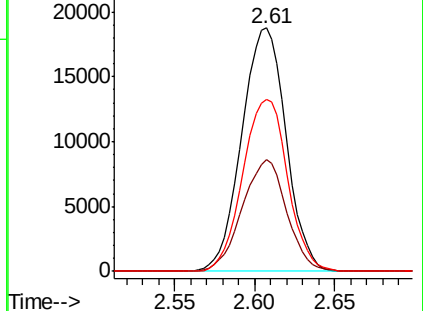
151 71.6 54.7 82.1



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: 4.408 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037546.D

Acq: 02 Apr 2020 10:25

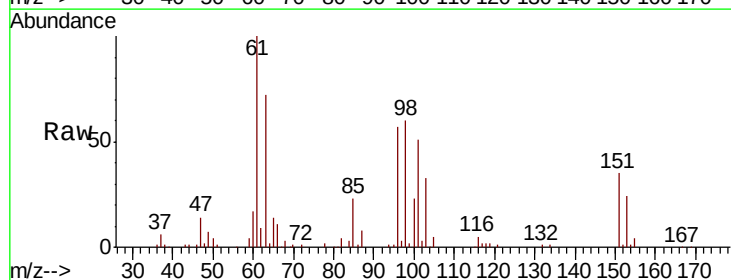
Tgt Ion: 96 Resp: 32954

Ion Ratio Lower Upper

96 100

61 175.6 123.4 229.2

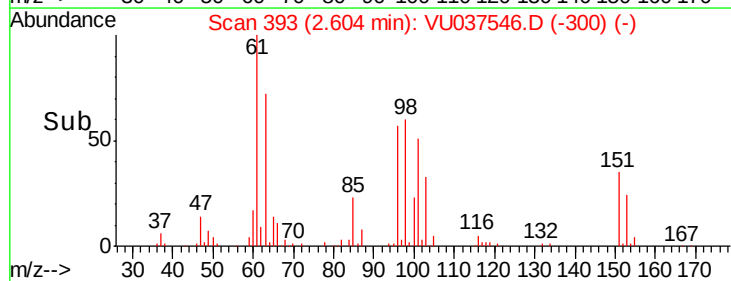
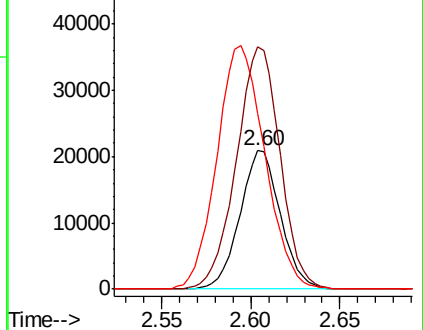
63 126.9 90.4 168.0

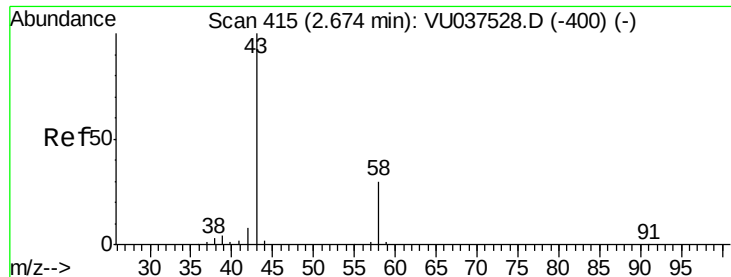


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 46.183 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.01 min

Lab File: VU037546.D

Acq: 02 Apr 2020 10:25

Instrument :

MSVOA_U

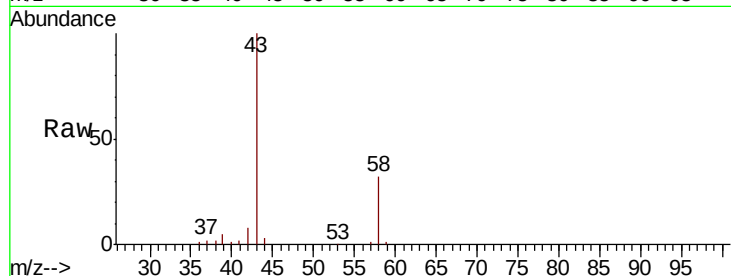
ClientSampled :

Tot Ion: 43 Resp: 66903

Ion Ratio Lower Upper

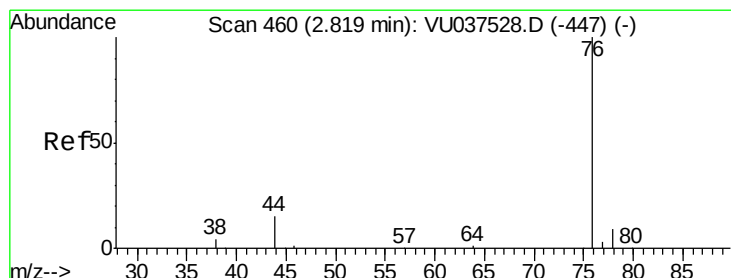
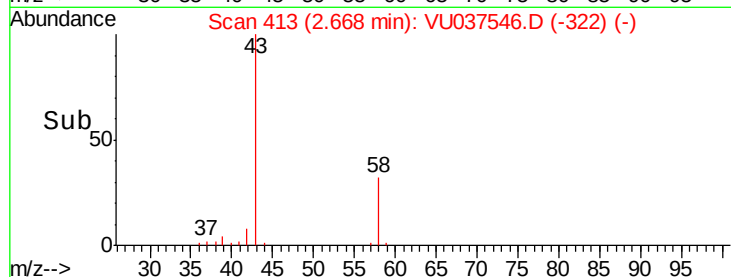
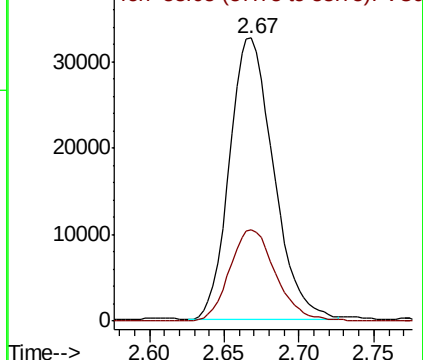
43 100

58 33.9 0.0 68.2



Abundance Ion 43.05 (42.75 to 43.75): VU037528.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU037528.D (-400) (-)



#14

Carbon disulfide

Concen: 4.455 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037546.D

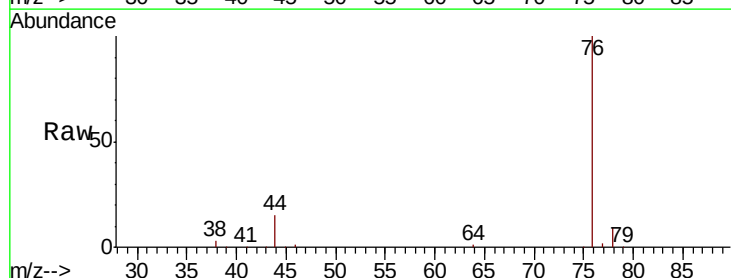
Acq: 02 Apr 2020 10:25

Tgt Ion: 76 Resp: 109415

Ion Ratio Lower Upper

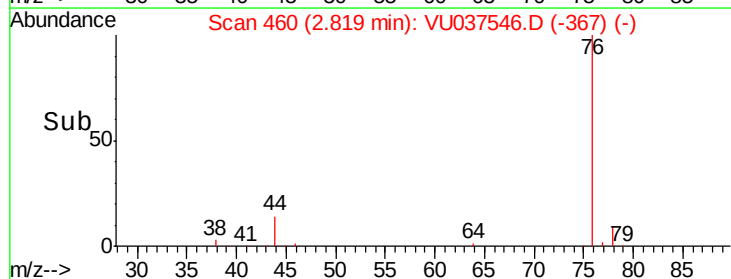
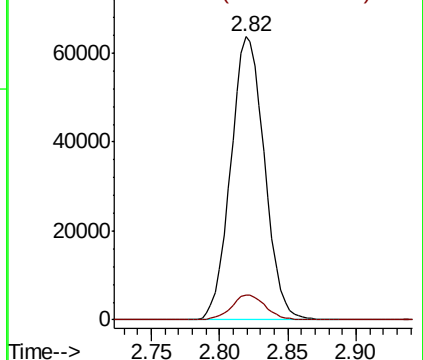
76 100

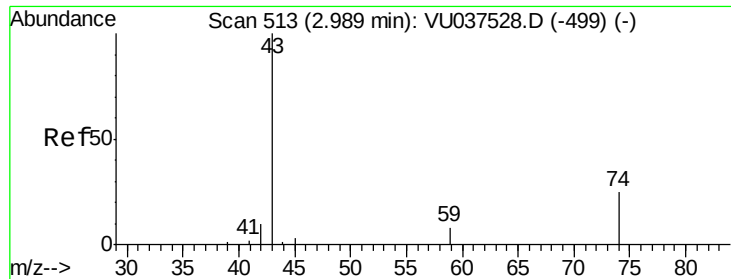
78 8.8 6.3 9.5



Abundance Ion 76.05 (75.75 to 76.75): VU037528.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU037528.D (-447) (-)

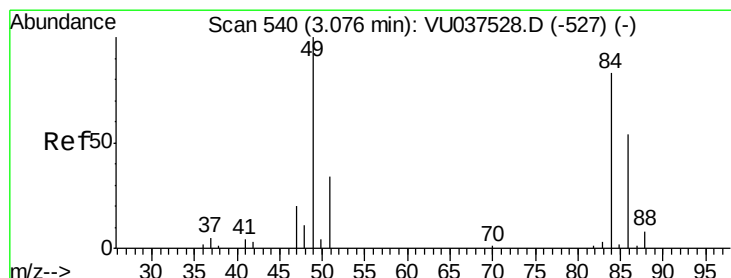
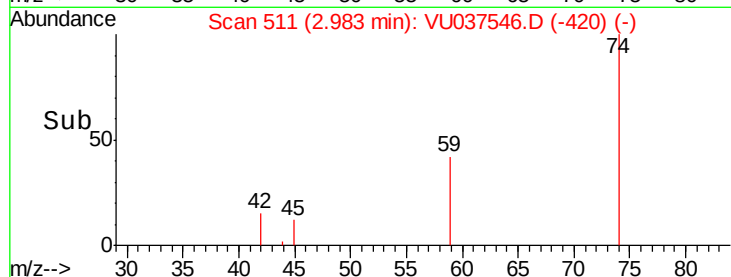
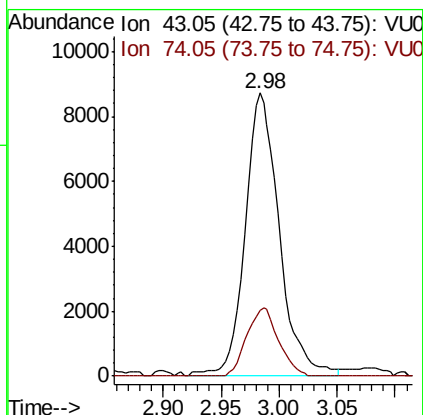
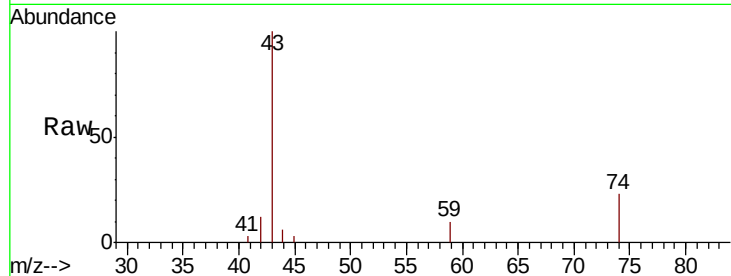




#15
Methvl Acetate
Concen: 4.169 ug/L
RT: 2.98 min Scan# 511
Delta R.T. -0.01 min
Lab File: VU037546.D
Acq: 02 Apr 2020 10:25

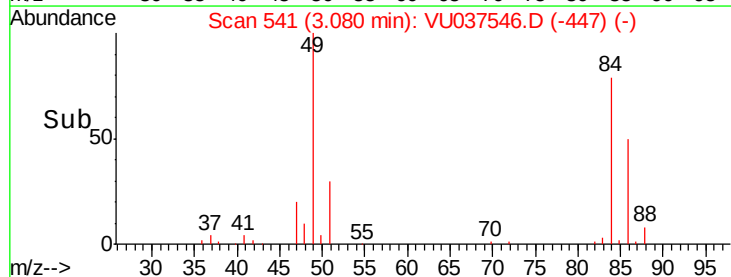
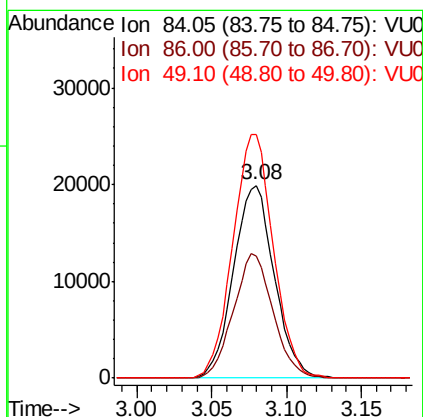
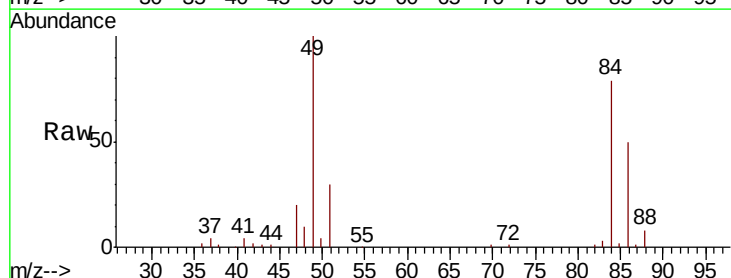
Instrument :
MSVOA_U
ClientSampleId :

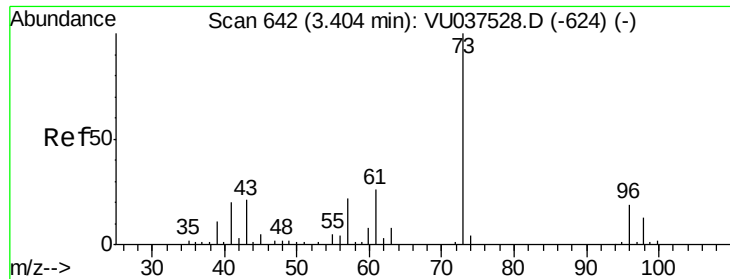
Tot Ion: 43 Resp: 17899
Ion Ratio Lower Upper
43 100
74 22.5 16.8 25.2



#16
Methylene chloride
Concen: 4.306 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU037546.D
Acq: 02 Apr 2020 10:25

Tgt Ion: 84 Resp: 37782
Ion Ratio Lower Upper
84 100
86 63.6 41.6 77.3
49 126.5 97.0 180.2

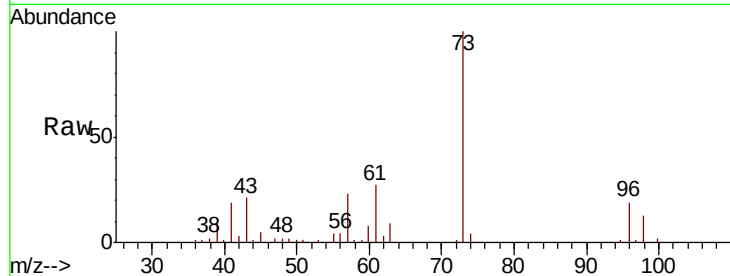




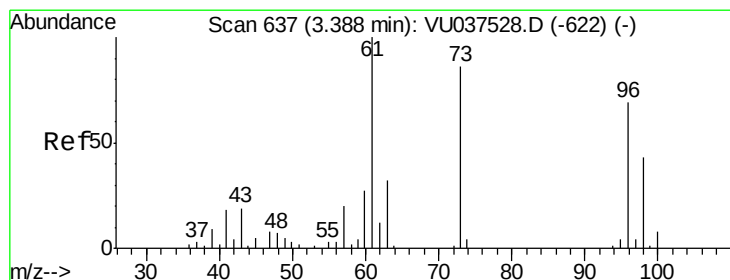
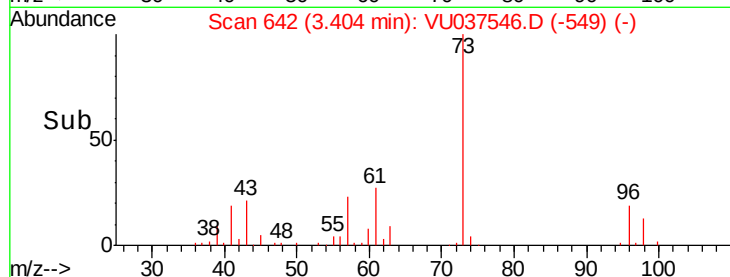
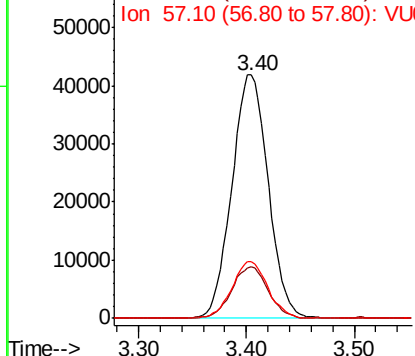
#17
Methyl tert-butyl Ether
Concen: 4.673 ug/L
RT: 3.40 min Scan# 642
Delta R.T. 0.00 min
Lab File: VU037546.D
Acq: 02 Apr 2020 10:25

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 73 Resp: 98195
Ion Ratio Lower Upper
73 100
43 21.3 18.0 27.0
57 23.2 19.0 28.6

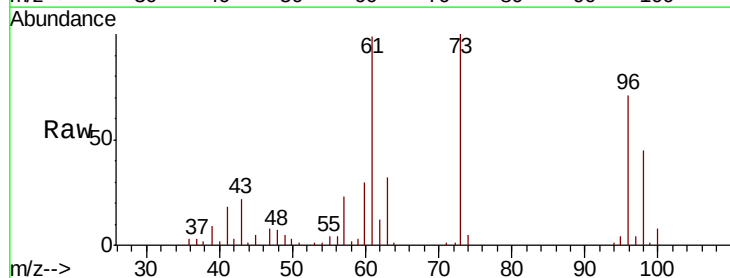


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

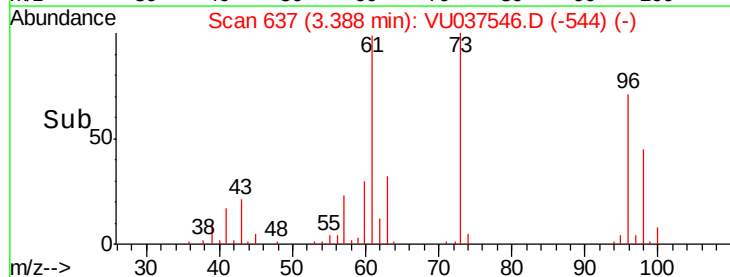
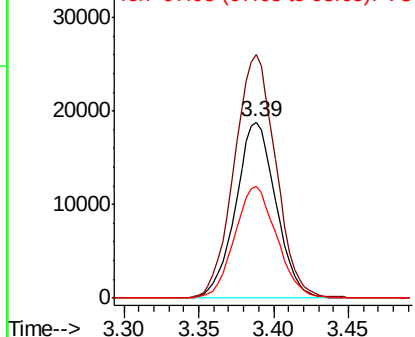


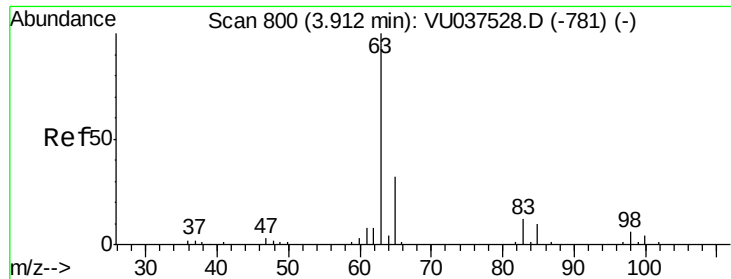
#18
trans-1,2-Dichloroethene
Concen: 4.329 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU037546.D
Acq: 02 Apr 2020 10:25

Tgt Ion: 96 Resp: 35171
Ion Ratio Lower Upper
96 100
61 138.5 97.4 181.0
98 63.3 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

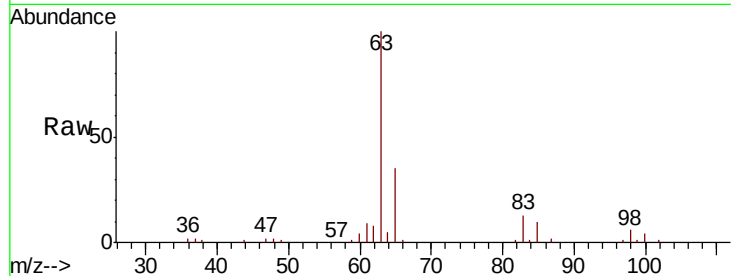




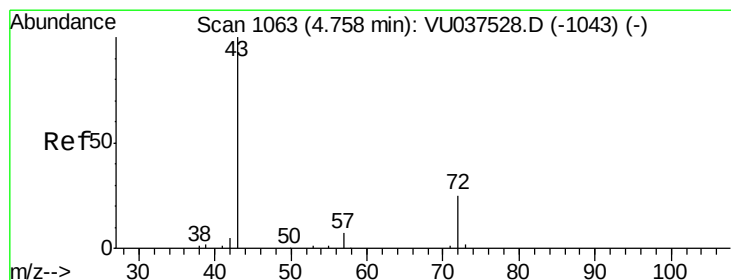
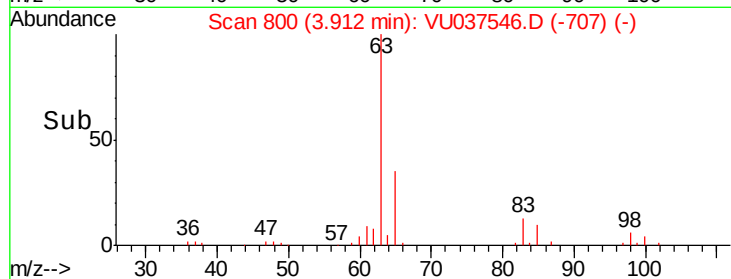
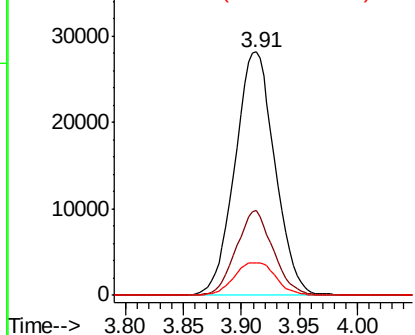
#19
 1,1-Dichloroethane
 Concen: 4.411 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU037546.D
 Acq: 02 Apr 2020 10:25

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 67244
 Ion Ratio Lower Upper
 63 100
 65 35.0 19.9 36.9
 83 13.4 10.1 18.7

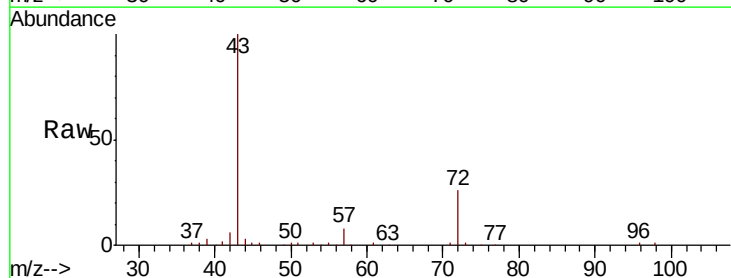


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

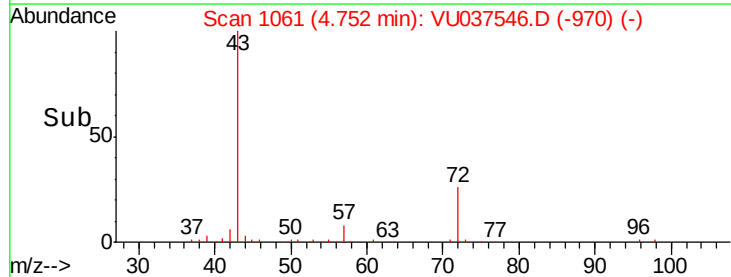
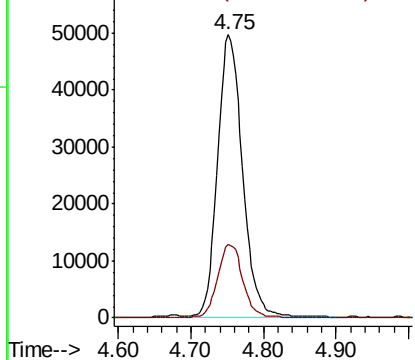


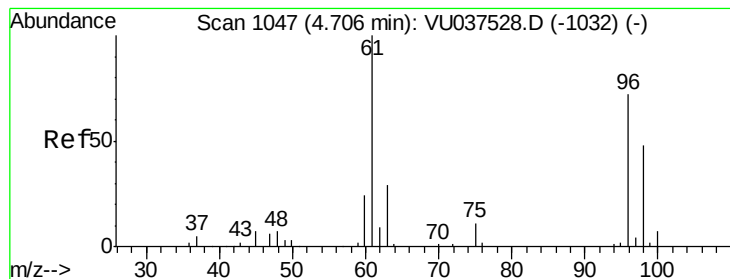
#21
 2-Butanone
 Concen: 46.437 ug/L
 RT: 4.75 min Scan# 1061
 Delta R.T. -0.01 min
 Lab File: VU037546.D
 Acq: 02 Apr 2020 10:25

Tgt Ion: 43 Resp: 118342
 Ion Ratio Lower Upper
 43 100
 72 26.5 13.1 39.1



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 4.356 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU037546.D

Acq: 02 Apr 2020 10:25

Instrument :
MSVOA_U
ClientSampleId :

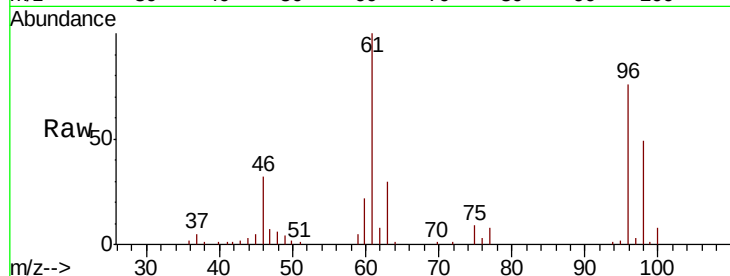
Tot Ion: 96 Resp: 38591

Ion Ratio Lower Upper

96 100

61 131.6 92.0 170.9

68 0.0 0.0 0.0

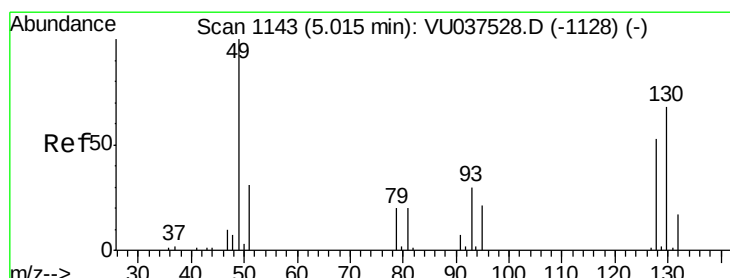
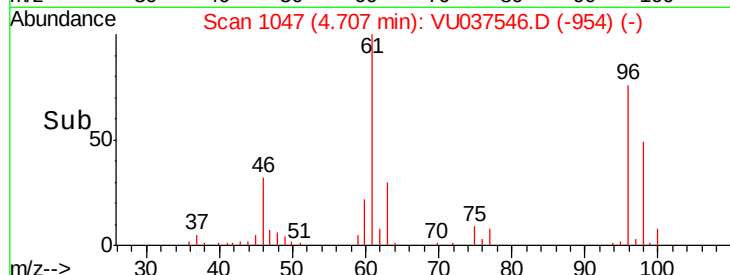
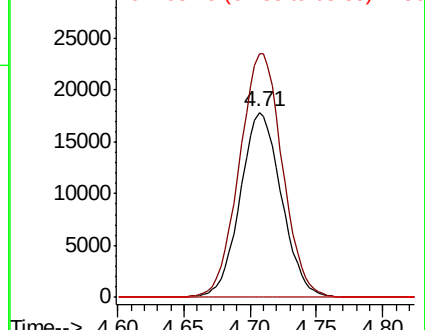


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 4.457 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU037546.D

Acq: 02 Apr 2020 10:25

Tgt Ion: 128 Resp: 17206

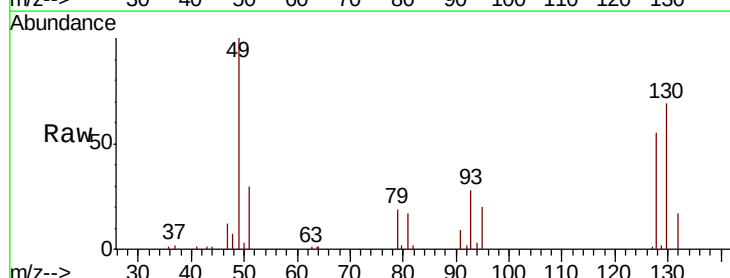
Ion Ratio Lower Upper

128 100

49 182.8 133.7 248.3

130 127.1 90.6 168.2

51 54.3 45.2 67.8



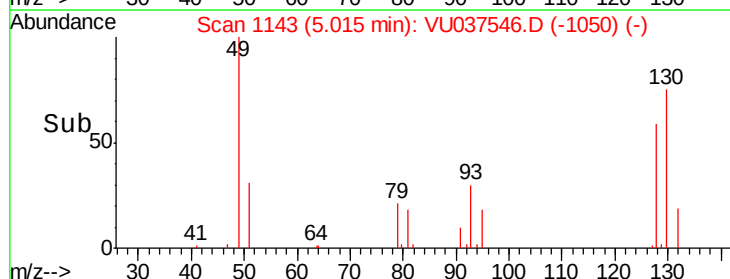
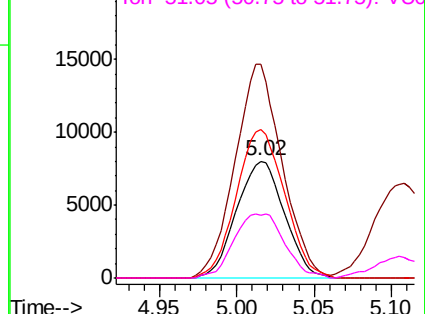
Abundance

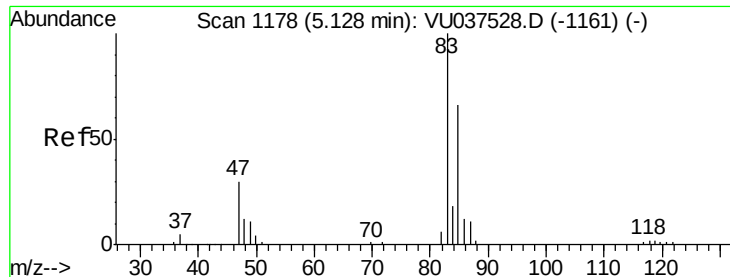
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

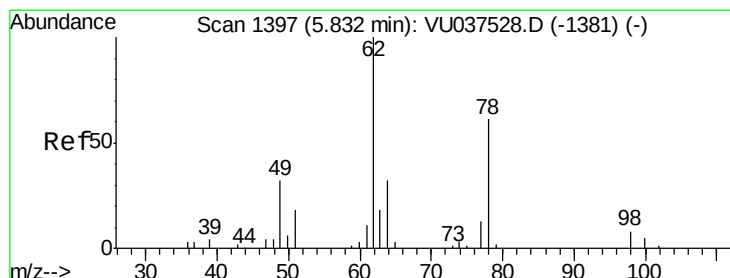
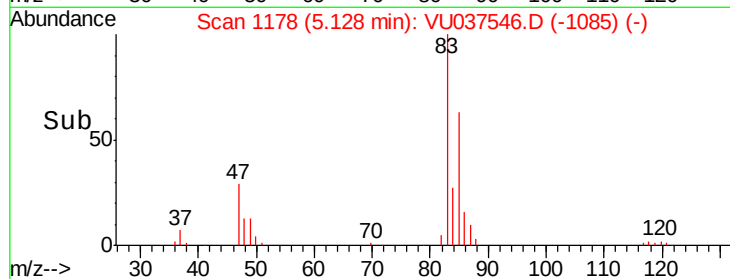
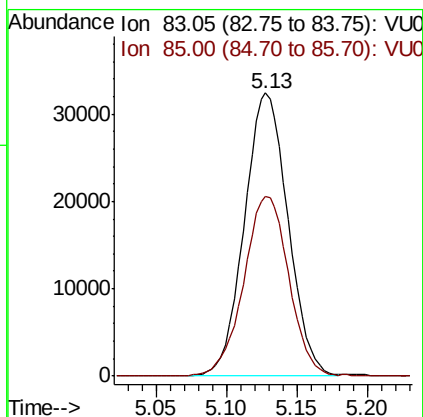
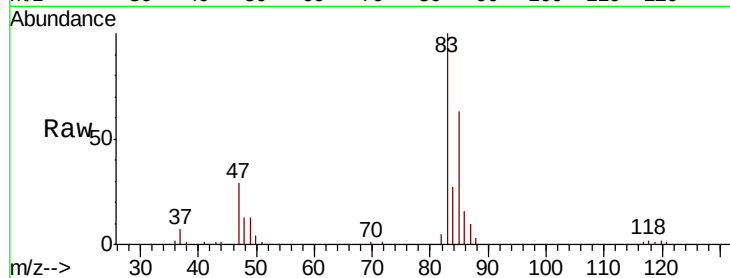




#25
Chloroform
Concen: 4.452 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037546.D
Acq: 02 Apr 2020 10:25

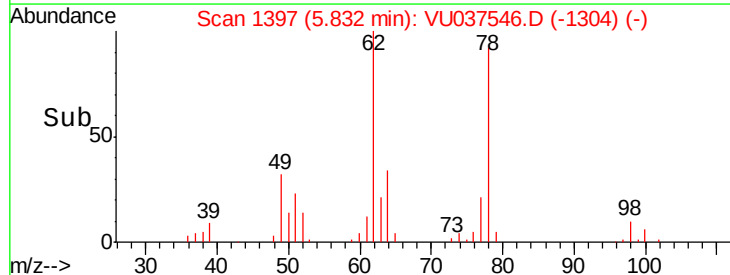
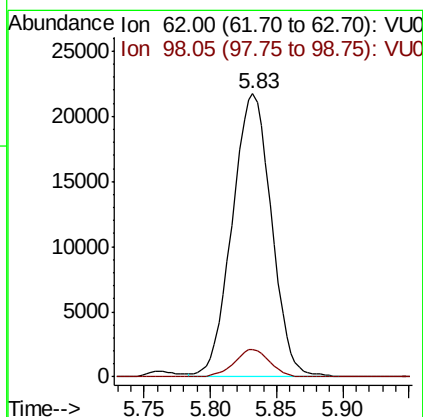
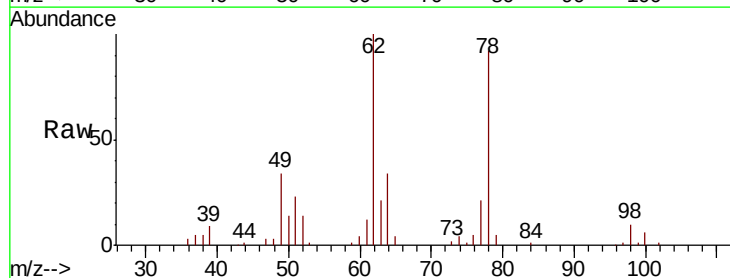
Instrument :
MSVOA_U
ClientSampleId :

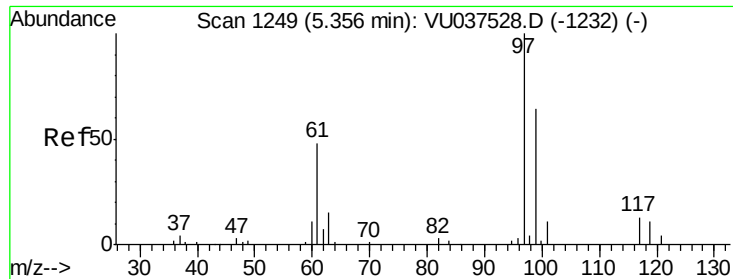
Tot Ion: 83 Resp: 69913
Ion Ratio Lower Upper
83 100
85 63.3 45.8 85.2



#27
1,2-Dichloroethane
Concen: 4.453 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037546.D
Acq: 02 Apr 2020 10:25

Tgt Ion: 62 Resp: 44865
Ion Ratio Lower Upper
62 100
98 9.7 7.3 10.9

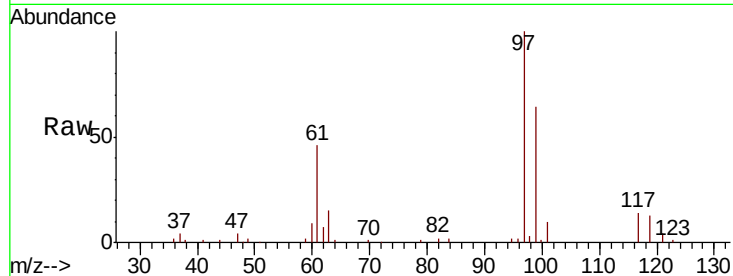




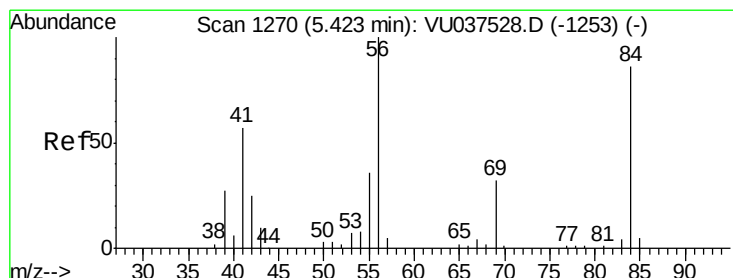
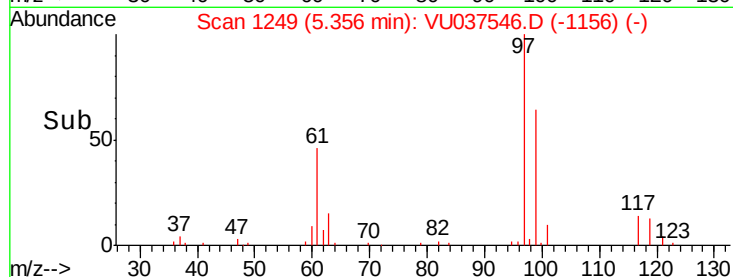
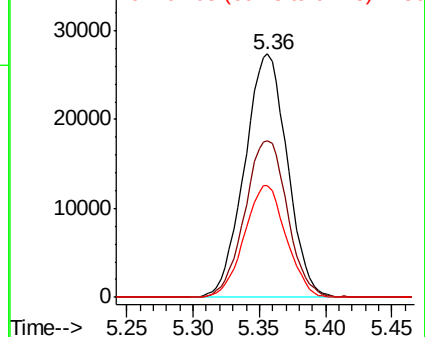
#29
 1,1,1-Trichloroethane
 Concen: 4.493 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VU037546.D
 Acq: 02 Apr 2020 10:25

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 61384
 Ion Ratio Lower Upper
 97 100
 99 64.3 50.6 76.0
 61 44.8 35.2 52.8

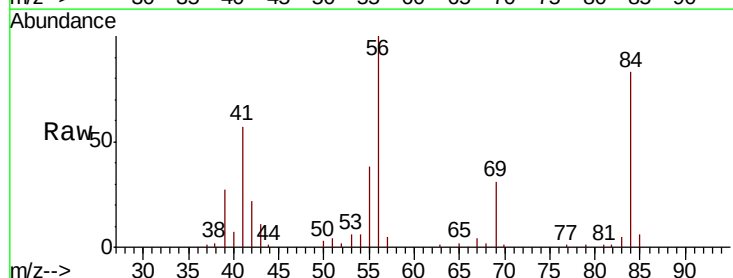


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

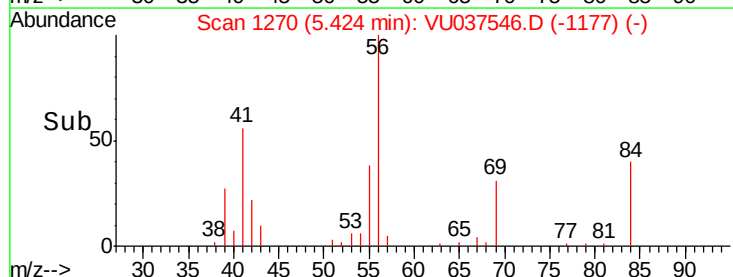
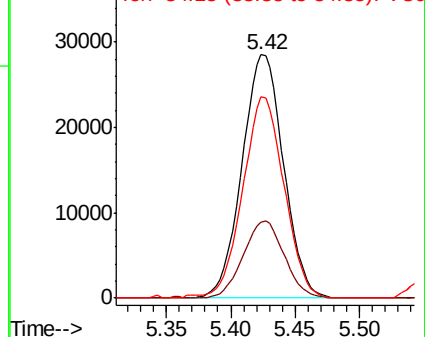


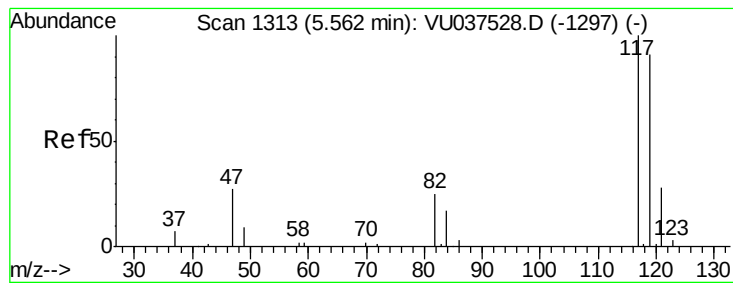
#30
 Cyclohexane
 Concen: 4.312 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU037546.D
 Acq: 02 Apr 2020 10:25

Tgt Ion: 56 Resp: 63978
 Ion Ratio Lower Upper
 56 100
 69 31.0 23.9 35.9
 84 82.6 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: 4.667 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037546.D

Acq: 02 Apr 2020 10:25

Instrument :

MSVOA_U

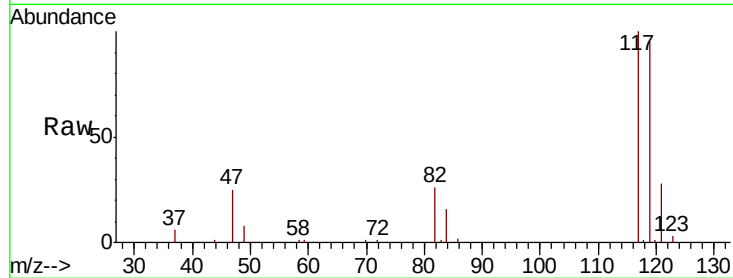
ClientSampleId :

Tot Ion:117 Resp: 51855

Ion Ratio Lower Upper

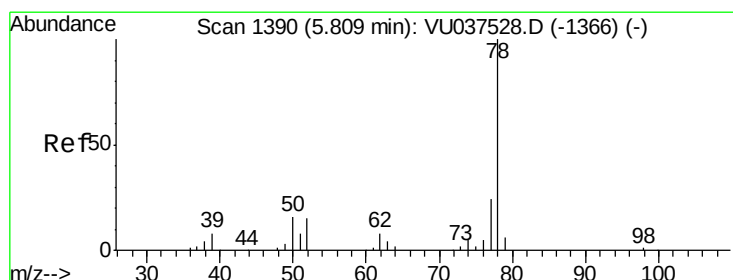
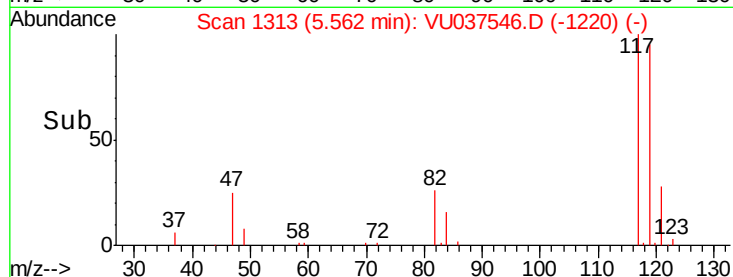
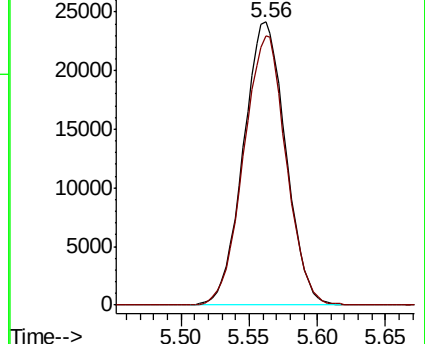
117 100

119 95.6 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: 4.464 ug/L

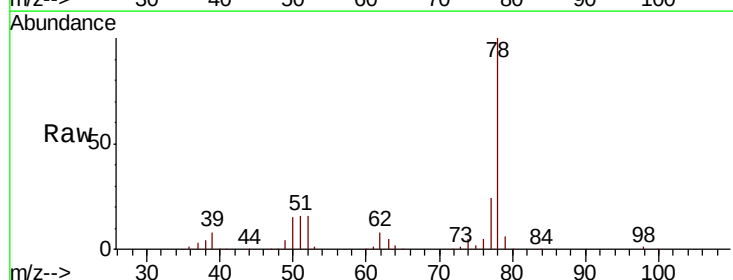
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

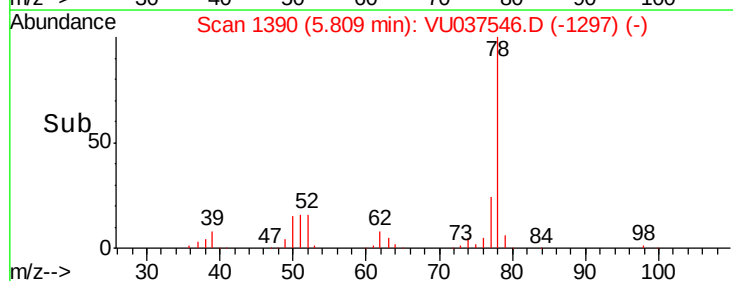
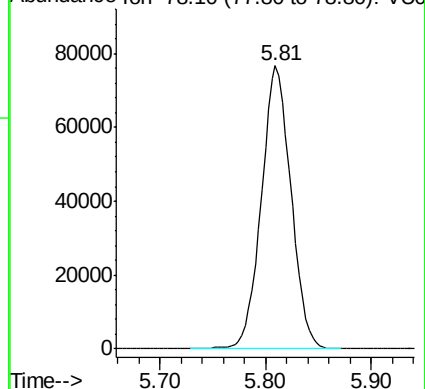
Lab File: VU037546.D

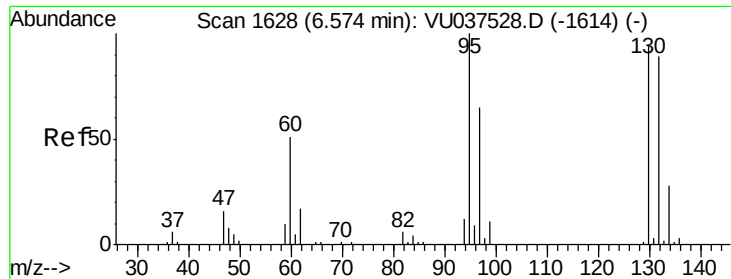
Acq: 02 Apr 2020 10:25

Tgt Ion: 78 Resp: 150410



Abundance Ion 78.10 (77.80 to 78.80): VU0

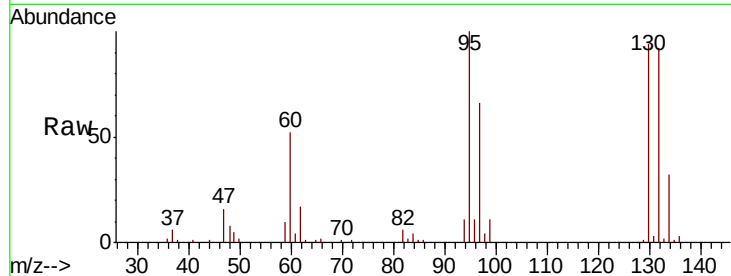




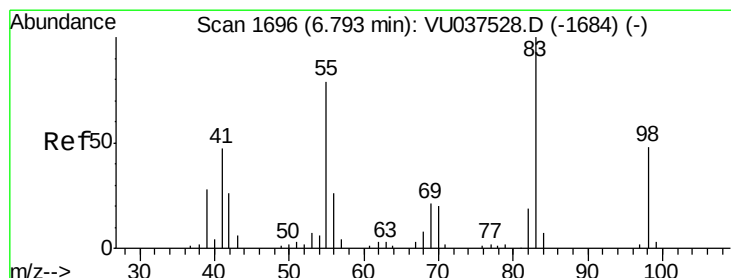
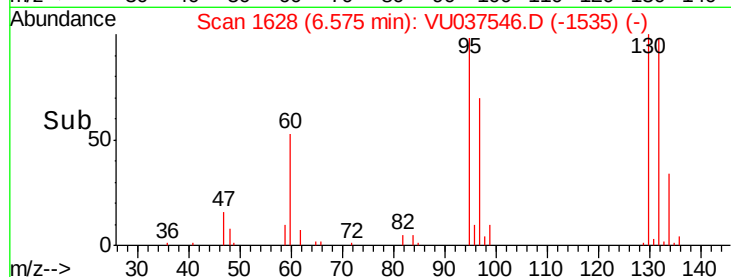
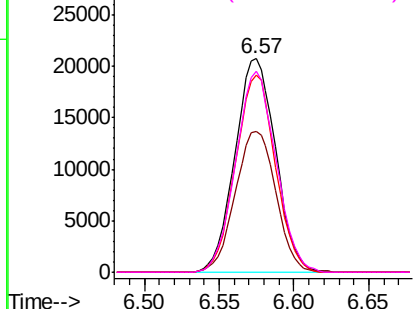
#34
 Trichloroethene
 Concen: 4.419 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VU037546.D
 Acq: 02 Apr 2020 10:25

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 39288
 Ion Ratio Lower Upper
 95 100
 97 66.2 44.0 81.8
 132 92.2 61.9 114.9
 130 94.2 62.7 116.5

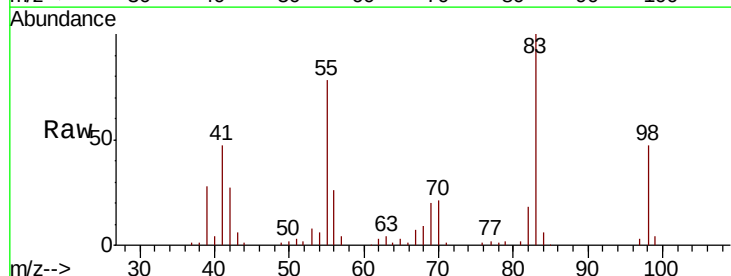


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

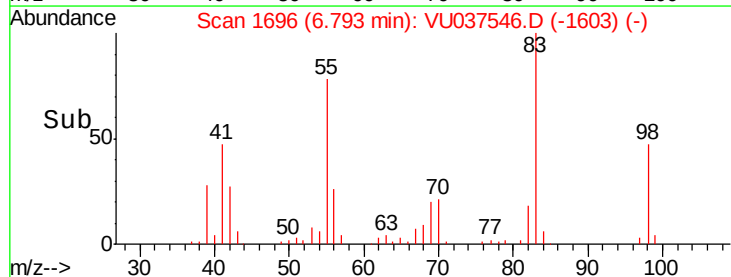
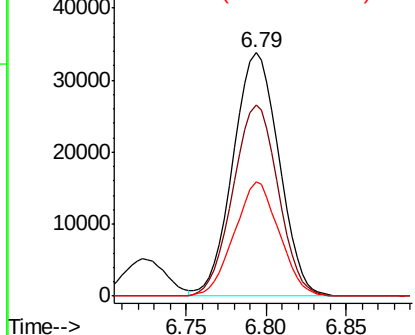


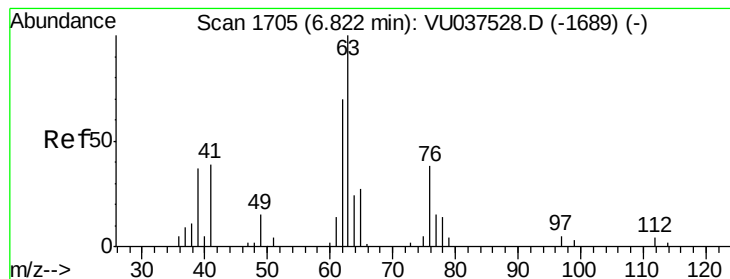
#35
 Methylcyclohexane
 Concen: 4.465 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU037546.D
 Acq: 02 Apr 2020 10:25

Tgt Ion: 83 Resp: 66444
 Ion Ratio Lower Upper
 83 100
 55 77.1 63.0 94.6
 98 45.8 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: 4.398 ug/L

RT: 6.83 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VU037546.D

Acq: 02 Apr 2020 10:25

Instrument :

MSVOA_U

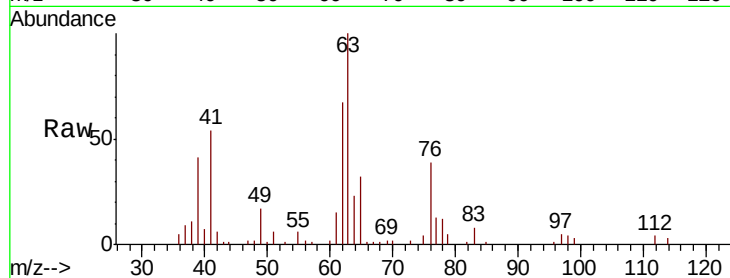
ClientSampled :

Tot Ion: 63 Resp: 39994

Ion Ratio Lower Upper

63 100

112 3.3 2.6 3.8



Abundance Ion 63.10 (62.80 to 63.80): VU037528.D (-1689) (-)

Ion 112.10 (111.80 to 112.80): VU037528.D (-1689) (-)

25000

20000

15000

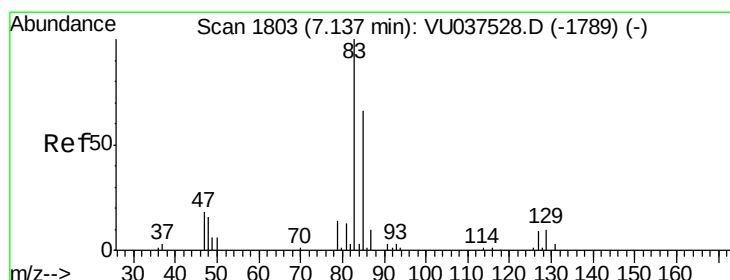
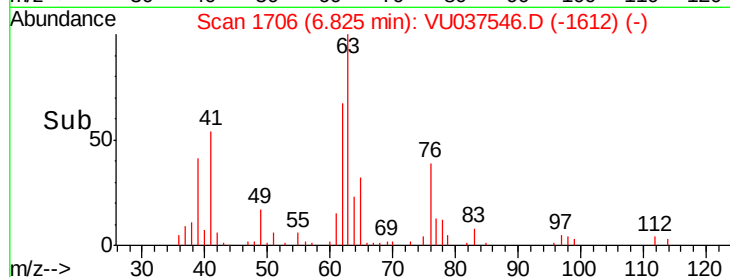
10000

5000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 4.480 ug/L

RT: 7.14 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VU037546.D

Acq: 02 Apr 2020 10:25

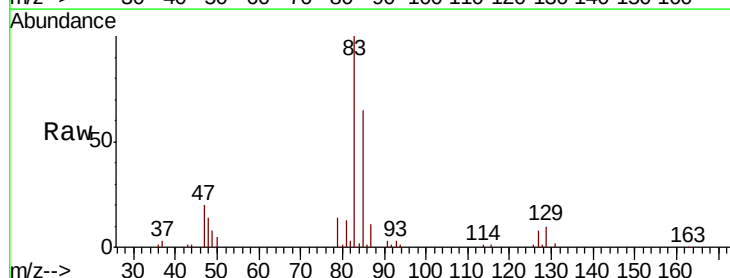
Tgt Ion: 83 Resp: 51995

Ion Ratio Lower Upper

83 100

85 64.5 44.4 82.5

127 8.5 6.5 9.7



Abundance Ion 82.95 (82.65 to 83.65): VU037528.D (-1789) (-)

Ion 85.00 (84.70 to 85.70): VU037528.D (-1789) (-)

Ion 126.90 (126.60 to 127.60): VU037528.D (-1789) (-)

40000

30000

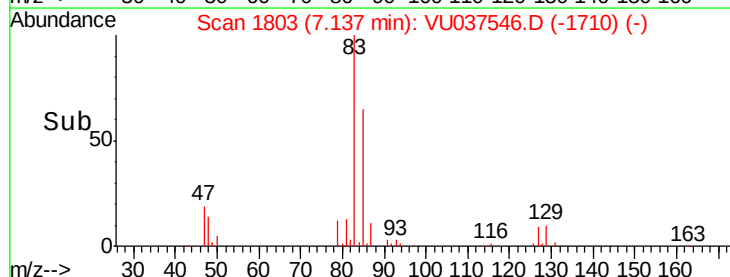
20000

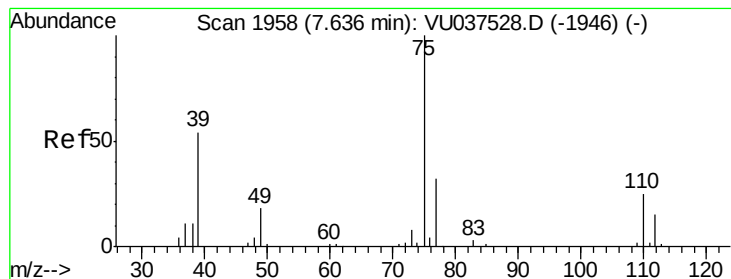
10000

0

7.05 7.10 7.15 7.20

Time-->



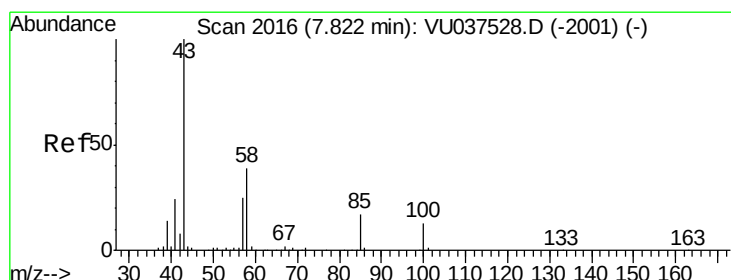
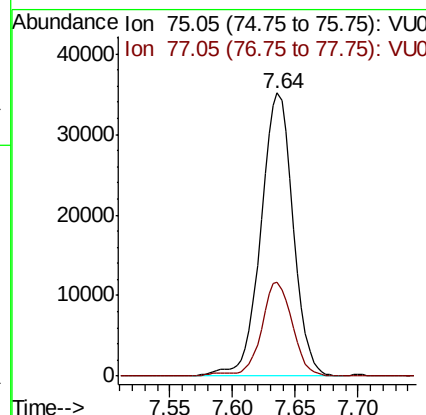
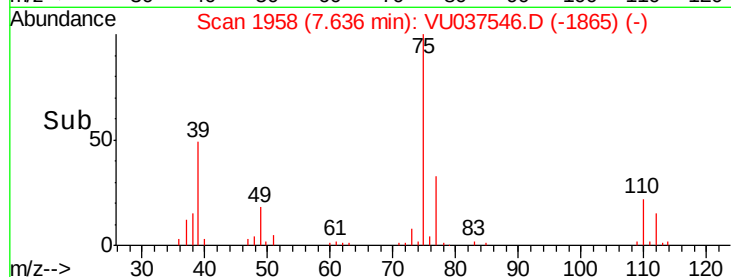
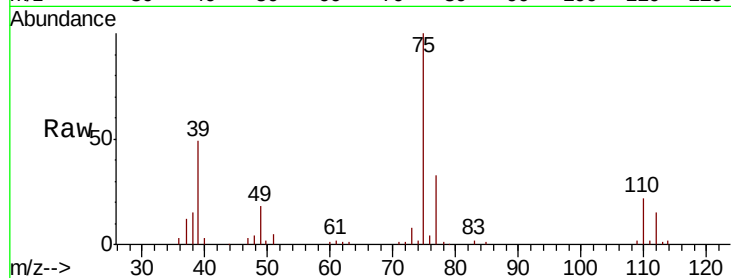


#39

cis-1,3-Dichloropropene
Concen: 4.500 ug/L
RT: 7.64 min Scan# 1958
Delta R.T. 0.00 min
Lab File: VU037546.D
Acq: 02 Apr 2020 10:25

Instrument :
MSVOA_U
ClientSampleId :

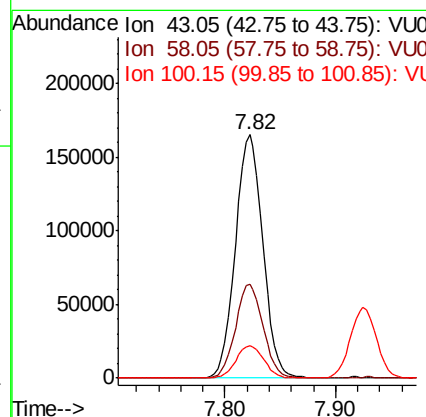
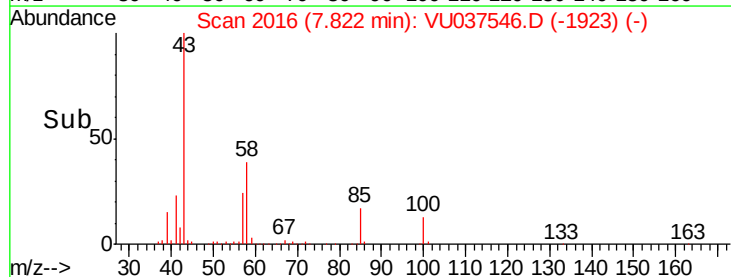
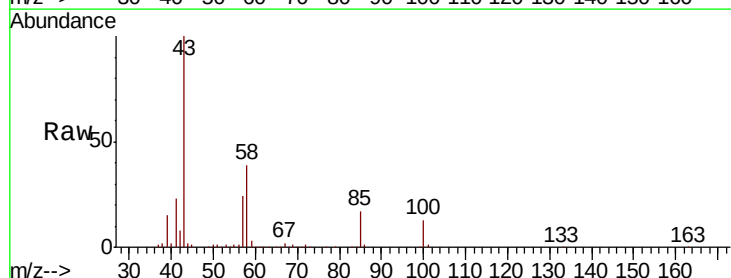
Tot Ion: 75 Resp: 62621
Ion Ratio Lower Upper
75 100
77 33.0 22.2 41.2

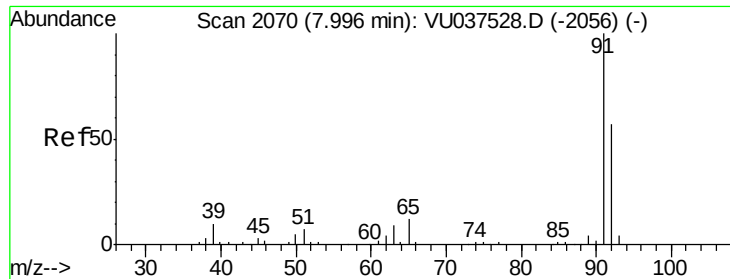


#40

4-Methyl-2-pentanone
Concen: 45.012 ug/L
RT: 7.82 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VU037546.D
Acq: 02 Apr 2020 10:25

Tgt Ion: 43 Resp: 285111
Ion Ratio Lower Upper
43 100
58 38.5 31.7 47.5
100 13.7 11.0 16.6





#42

Toluene

Concen: 4.523 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037546.D

Acq: 02 Apr 2020 10:25

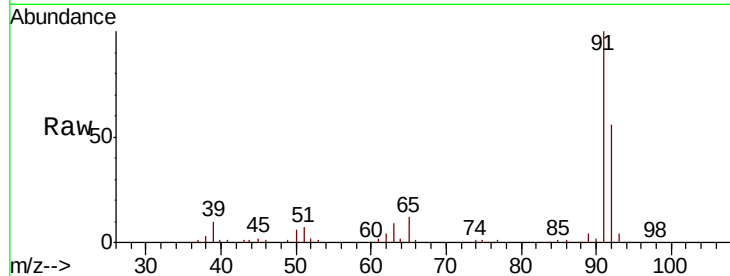
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 161993

Ion Ratio Lower Upper

91 100

92 56.1 38.6 71.8



Abundance Ion 91.15 (90.85 to 91.85): VU037528.D (-2056) (-)

Ion 92.15 (91.85 to 92.85): VU037528.D (-2056) (-)

8.00

100000

80000

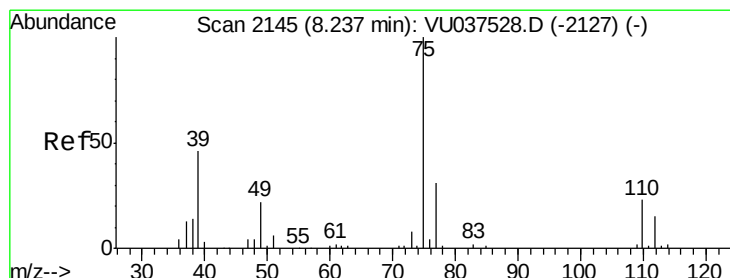
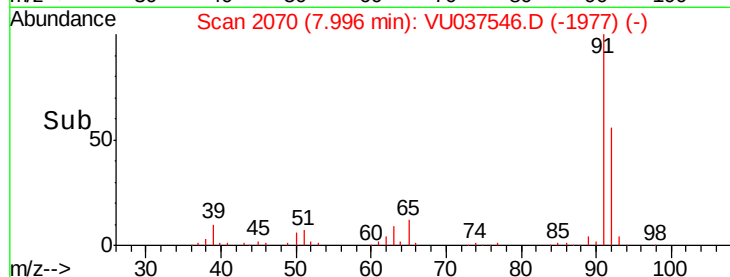
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.567 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU037546.D

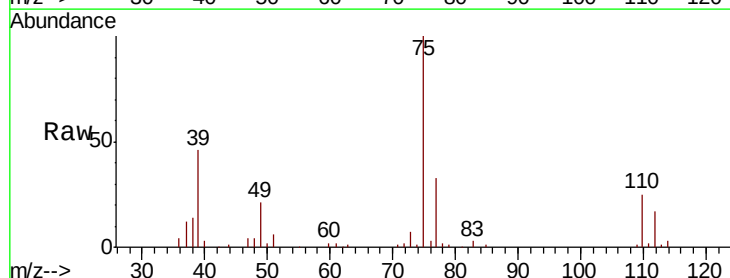
Acq: 02 Apr 2020 10:25

Tgt Ion: 75 Resp: 55737

Ion Ratio Lower Upper

75 100

77 32.8 22.9 42.5



Abundance Ion 75.05 (74.75 to 75.75): VU037528.D (-2127) (-)

Ion 77.05 (76.75 to 77.75): VU037528.D (-2127) (-)

8.24

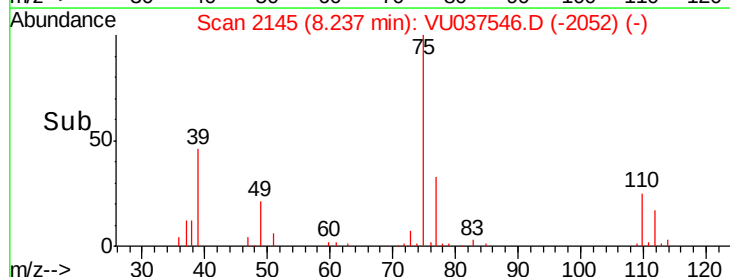
30000

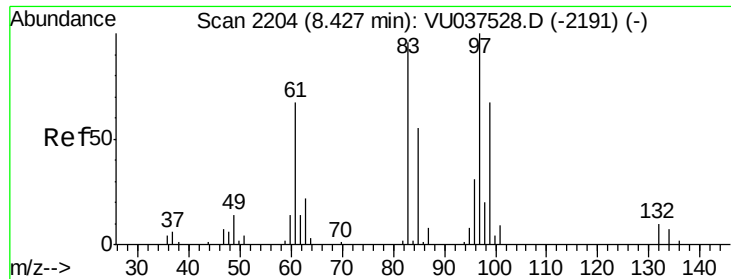
20000

10000

0

Time-->

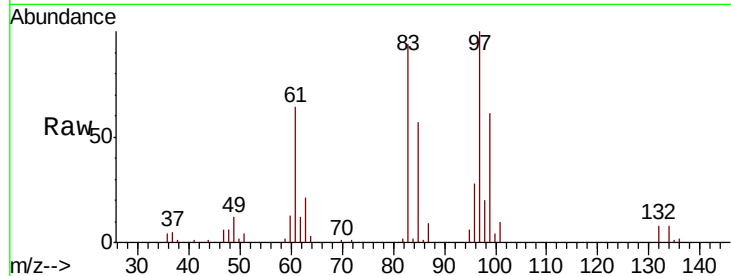




#45
1,1,2-Trichloroethane
Concen: 4.559 ug/L
RT: 8.43 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VU037546.D
Acq: 02 Apr 2020 10:25

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	97	Resp:	28997
Ion	Ratio	Lower	Upper
97	100		
99	60.5	42.8	79.4
83	94.1	61.0	113.4
85	57.3	39.8	73.8



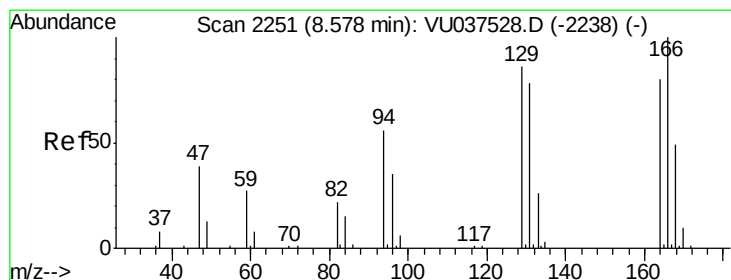
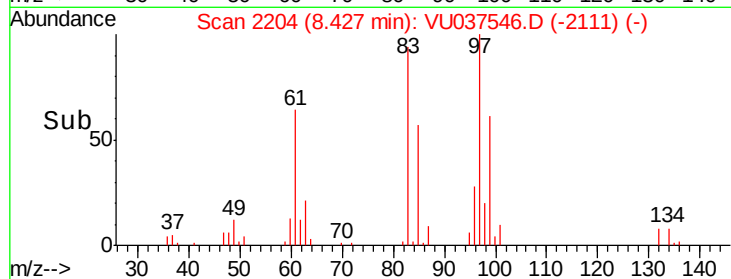
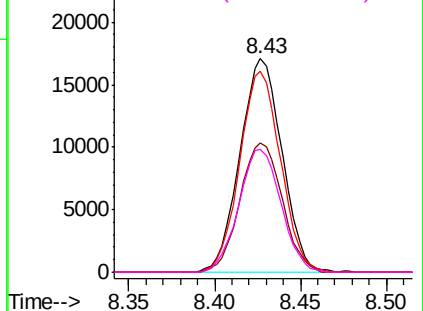
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

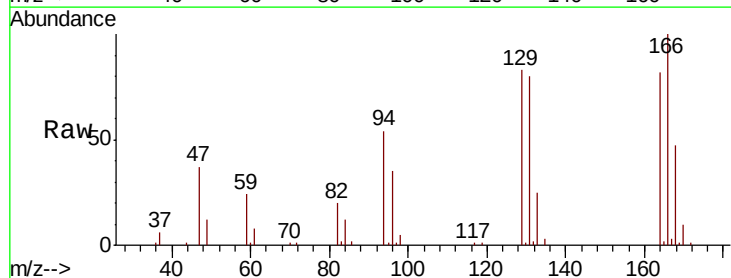
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
Tetrachloroethene
Concen: 4.869 ug/L
RT: 8.58 min Scan# 2251
Delta R.T. 0.00 min
Lab File: VU037546.D
Acq: 02 Apr 2020 10:25

Tgt Ion:	164	Resp:	28320
Ion	Ratio	Lower	Upper
164	100		
129	101.3	70.4	130.8
131	98.3	64.4	119.6
166	122.4	87.1	161.7



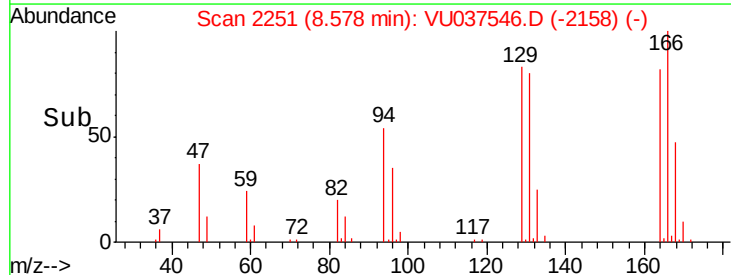
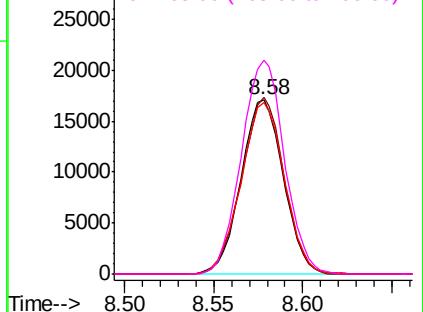
Abundance

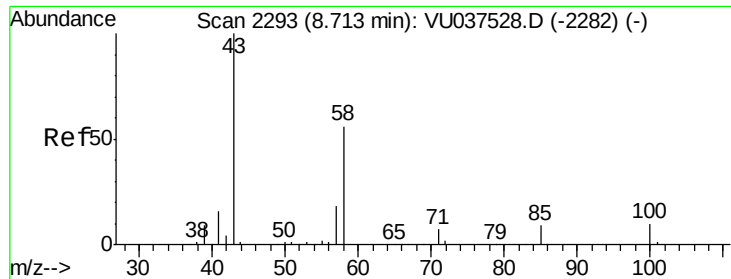
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

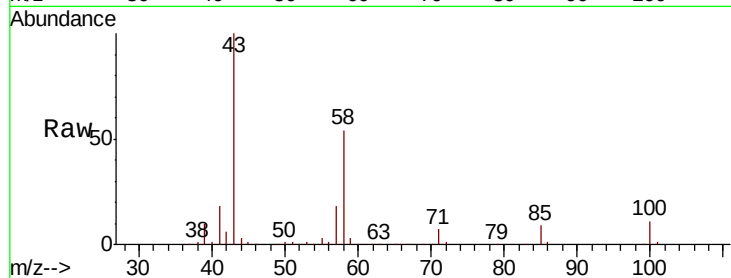




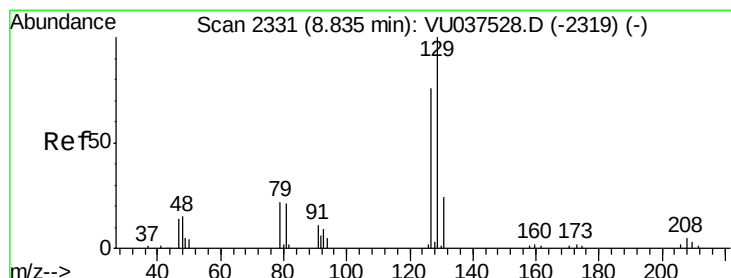
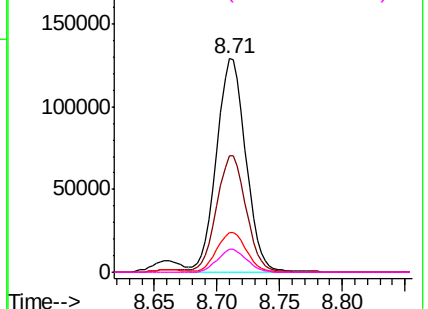
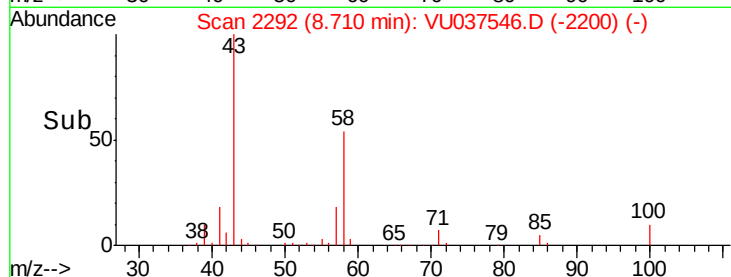
#48
2-Hexanone
Concen: 45.550 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU037546.D
Acq: 02 Apr 2020 10:25

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	43	Resp:	208967
Ion	Ratio	Lower	Upper
43	100		
58	55.0	45.0	67.6
57	18.8	14.9	22.3
100	10.7	8.4	12.6

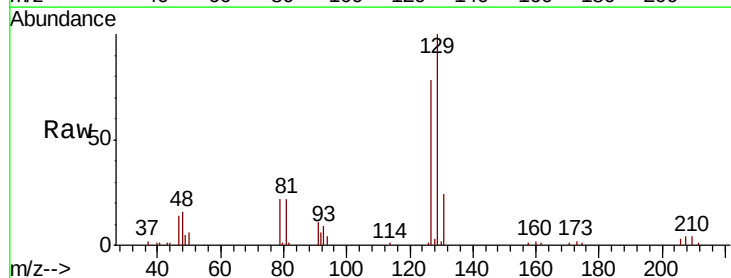


Abundance Ion 43.05 (42.75 to 43.75): VU037546.D (-2200) (-)
Ion 58.05 (57.75 to 58.75): VU037546.D (-2200) (-)
Ion 57.20 (56.90 to 57.90): VU037546.D (-2200) (-)
Ion 100.15 (99.85 to 100.85): VU037546.D (-2200) (-)

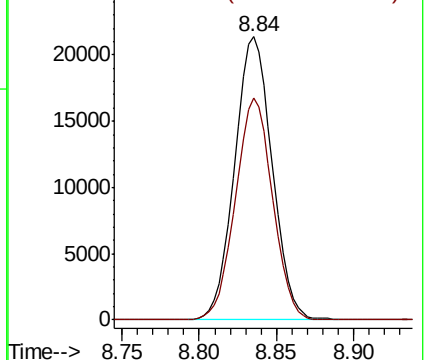
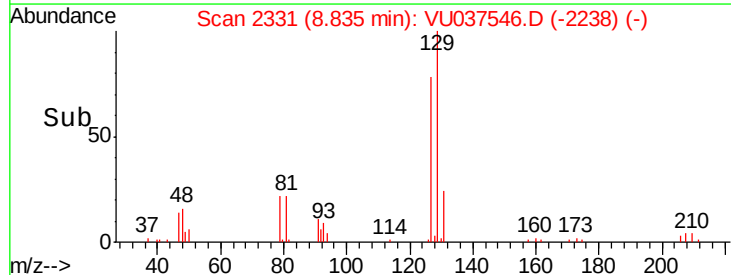


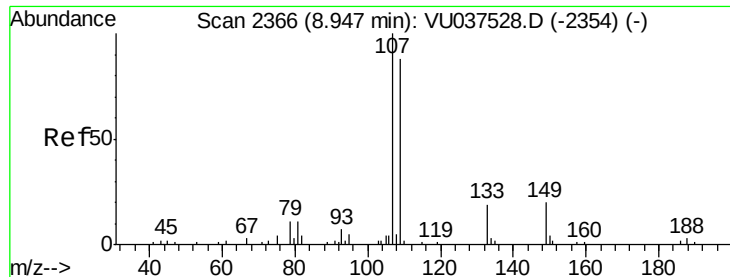
#49
Dibromochloromethane
Concen: 4.754 ug/L
RT: 8.84 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU037546.D
Acq: 02 Apr 2020 10:25

Tgt Ion:	129	Resp:	36016
Ion	Ratio	Lower	Upper
129	100		
127	78.4	53.6	99.6



Abundance Ion 128.95 (128.65 to 129.65): VU037546.D (-2238) (-)
Ion 126.90 (126.60 to 127.60): VU037546.D (-2238) (-)

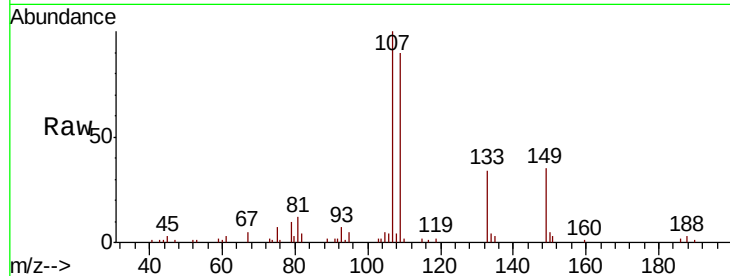




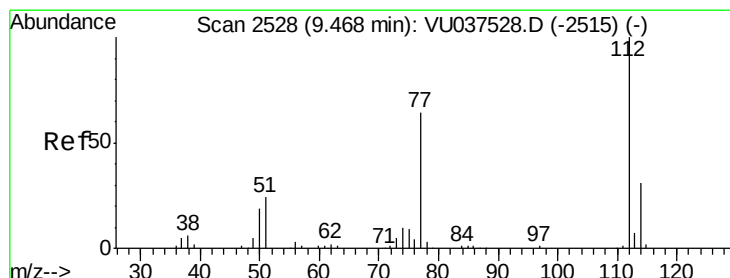
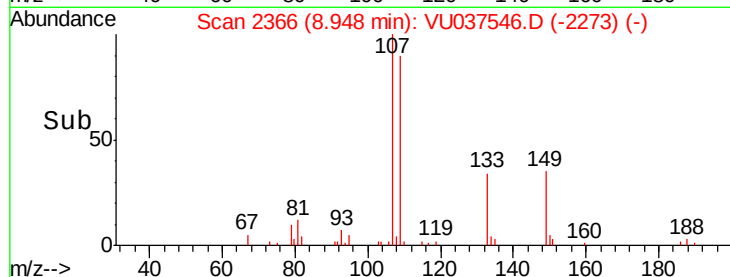
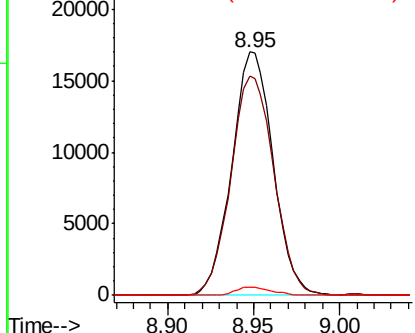
#50
1,2-Dibromoethane
Concen: 4.593 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU037546.D
Acq: 02 Apr 2020 10:25

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:107 Resp: 28414
Ion Ratio Lower Upper
107 100
109 90.0 68.9 127.9
188 3.3 2.2 3.4

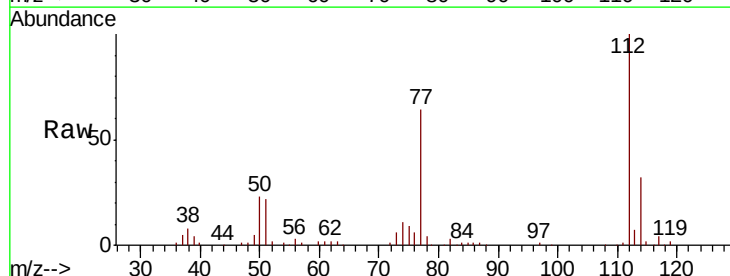


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

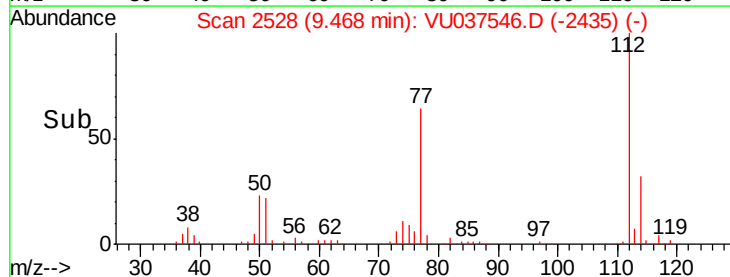
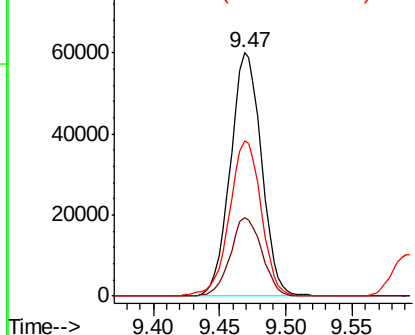


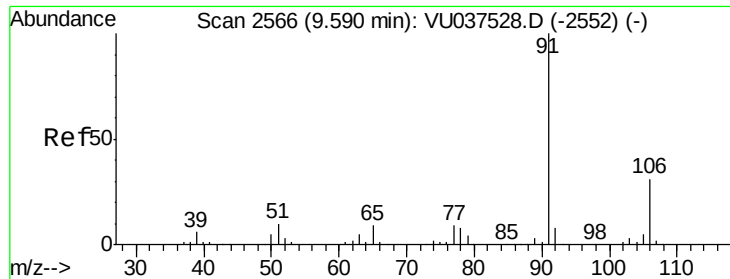
#51
Chlorobenzene
Concen: 4.432 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU037546.D
Acq: 02 Apr 2020 10:25

Tgt Ion:112 Resp: 97961
Ion Ratio Lower Upper
112 100
114 32.5 22.4 41.6
77 63.6 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: 4.521 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU037546.D

Acq: 02 Apr 2020 10:25

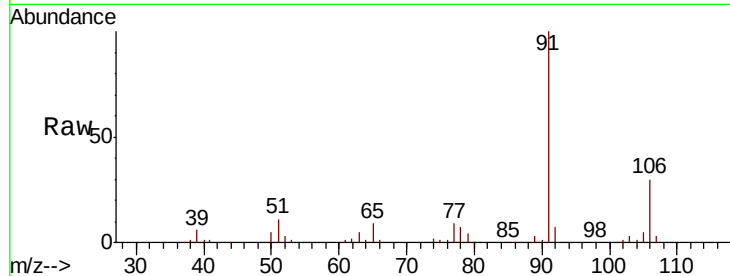
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 184489

Ion Ratio Lower Upper

91 100

106 29.9 21.3 39.5



Abundance Ion 91.15 (90.85 to 91.85): VU037528.D (-2552) (-)

Ion 106.15 (105.85 to 106.85): VU037528.D (-2552) (-)

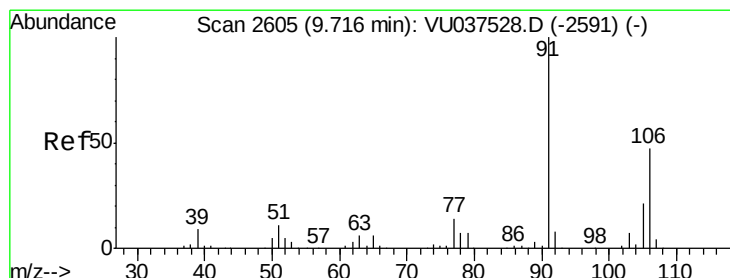
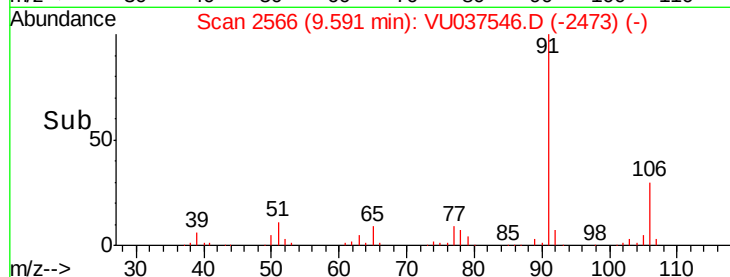
9.59

100000

50000

0

Time-->



#53

m,p-Xylene

Concen: 4.436 ug/L

RT: 9.72 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VU037546.D

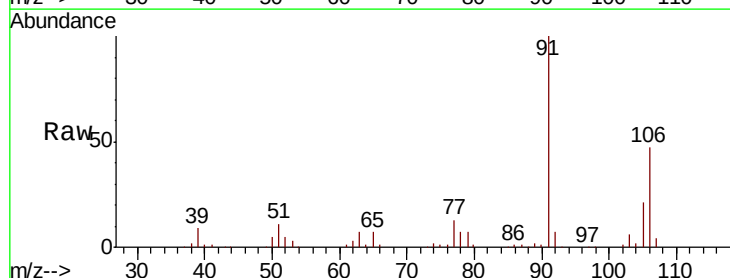
Acq: 02 Apr 2020 10:25

Tgt Ion: 106 Resp: 68037

Ion Ratio Lower Upper

106 100

91 212.3 147.4 273.8



Abundance Ion 106.15 (105.85 to 106.85): VU037528.D (-2591) (-)

Ion 91.15 (90.85 to 91.85): VU037528.D (-2591) (-)

9.72

100000

80000

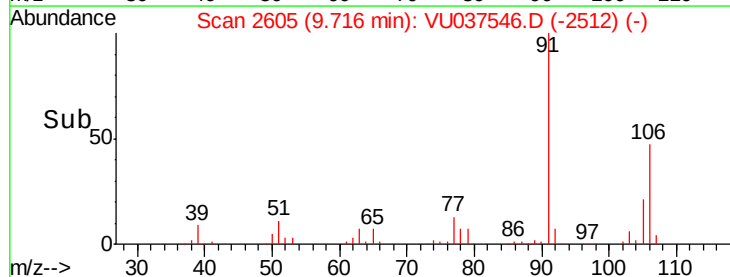
60000

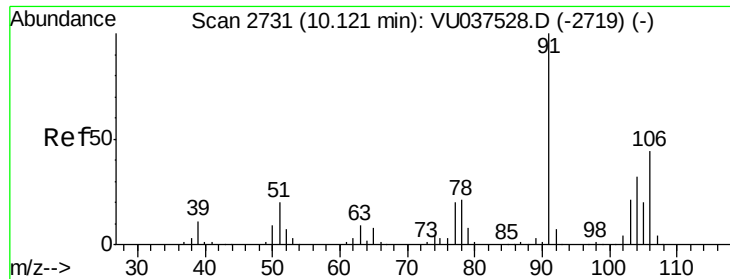
40000

20000

0

Time-->

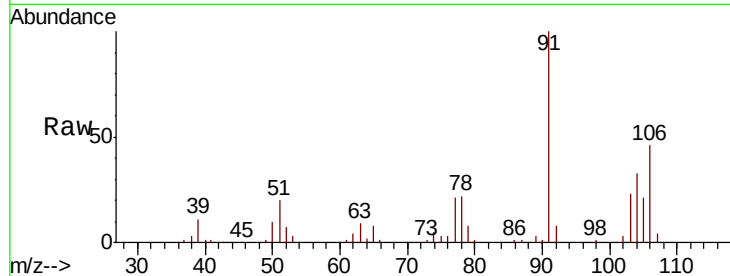




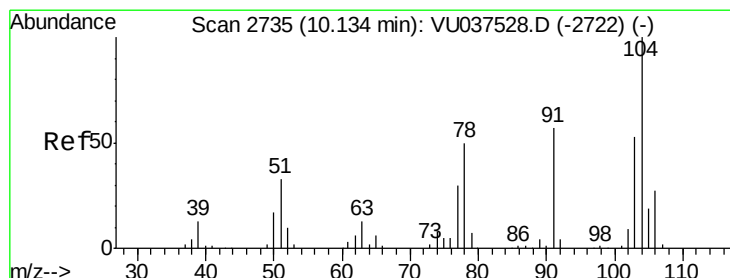
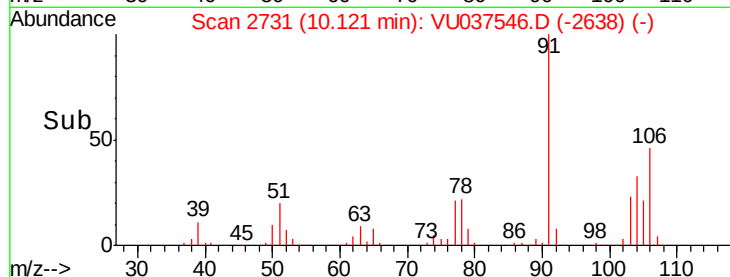
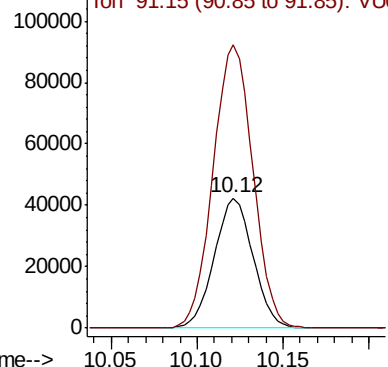
#54
o-Xylene
Concen: 4.482 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. 0.00 min
Lab File: VU037546.D
Acq: 02 Apr 2020 10:25

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 66208
Ion Ratio Lower Upper
106 100
91 217.2 156.8 291.2

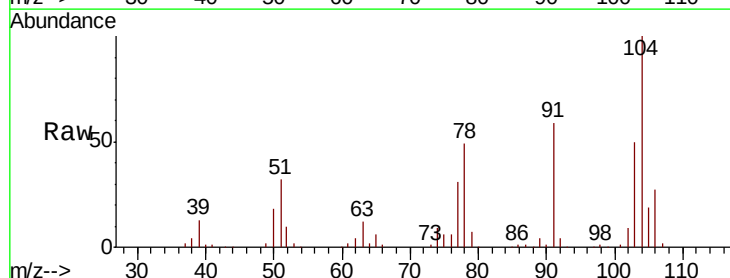


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

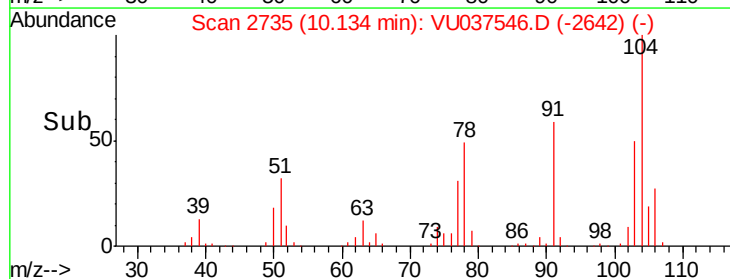
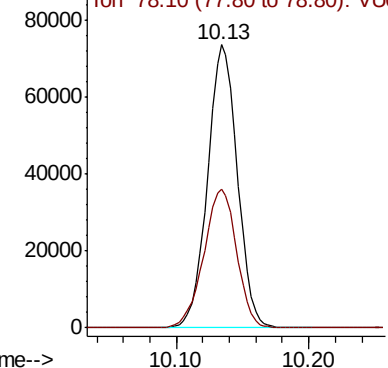


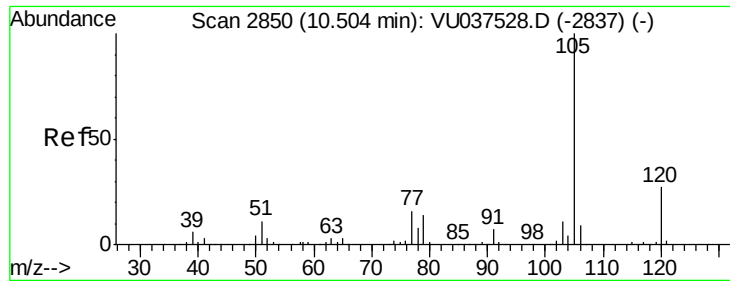
#55
Styrene
Concen: 4.490 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU037546.D
Acq: 02 Apr 2020 10:25

Tgt Ion:104 Resp: 114557
Ion Ratio Lower Upper
104 100
78 49.1 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: 4.490 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU037546.D

Acq: 02 Apr 2020 10:25

Instrument :

MSVOA_U

ClientSampleId :

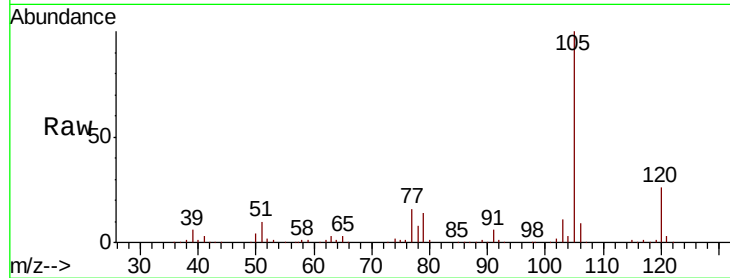
Tot Ion:105 Resp: 180613

Ion Ratio Lower Upper

105 100

120 26.8 20.6 31.0

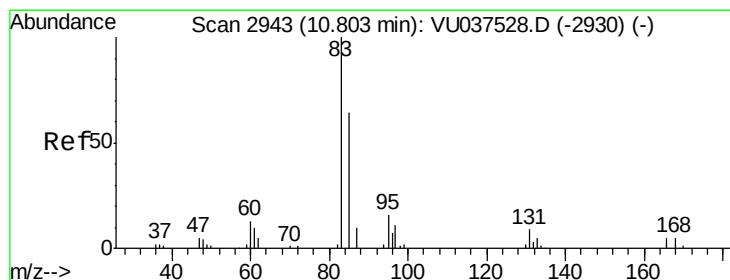
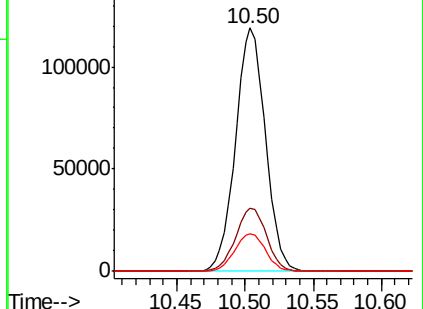
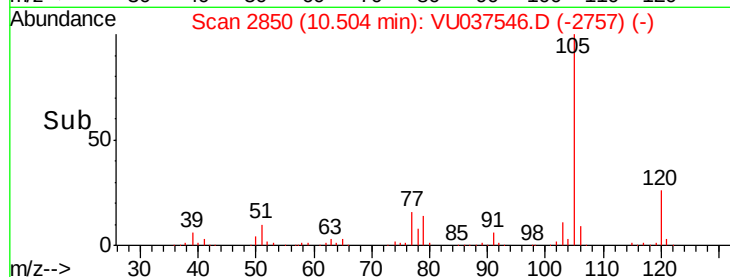
77 16.2 13.5 20.3



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: 4.461 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. 0.00 min

Lab File: VU037546.D

Acq: 02 Apr 2020 10:25

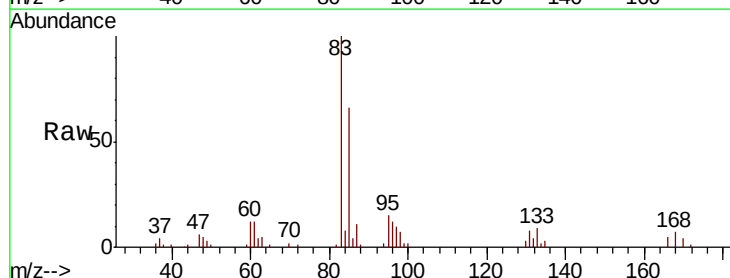
Tgt Ion: 83 Resp: 38171

Ion Ratio Lower Upper

83 100

85 66.2 45.2 84.0

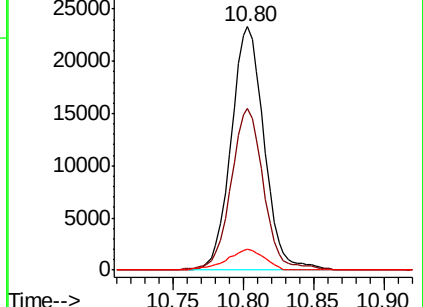
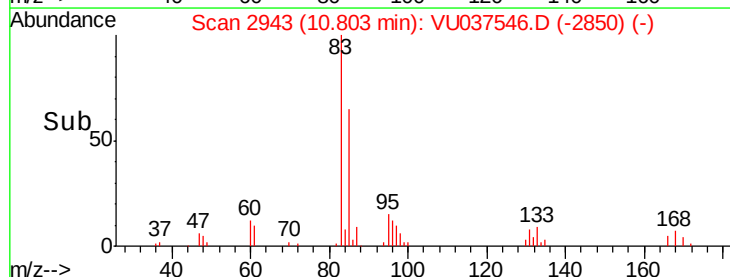
131 8.4 6.6 9.8

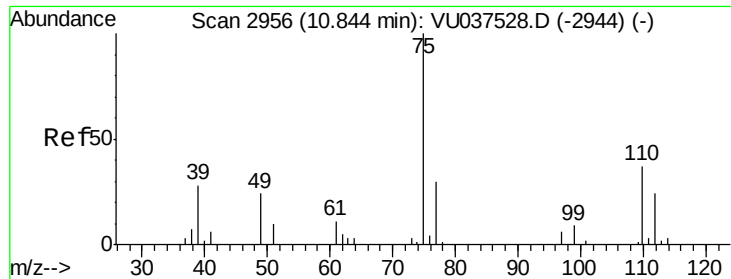


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.651 ug/L

RT: 10.84 min Scan# 2956

Delta R.T. 0.00 min

Lab File: VU037546.D

Acq: 02 Apr 2020 10:25

Instrument :

MSVOA_U

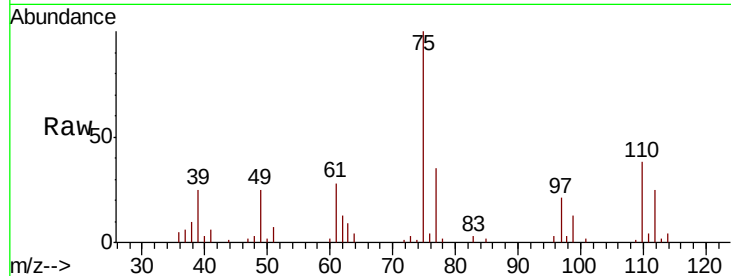
ClientSampleId :

Tot Ion: 75 Resp: 27734

Ion Ratio Lower Upper

75 100

77 32.9 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VU037528.D (-2944) (-)

Ion 77.00 (76.70 to 77.70): VU037528.D (-2944) (-)

10.84

15000

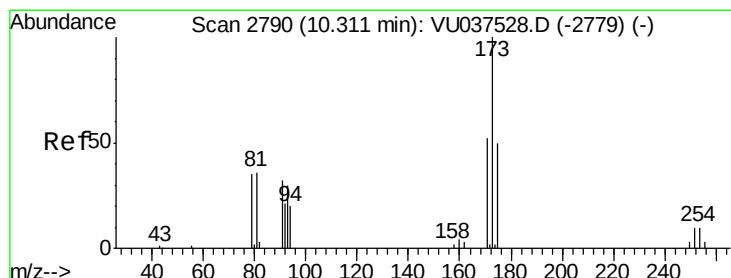
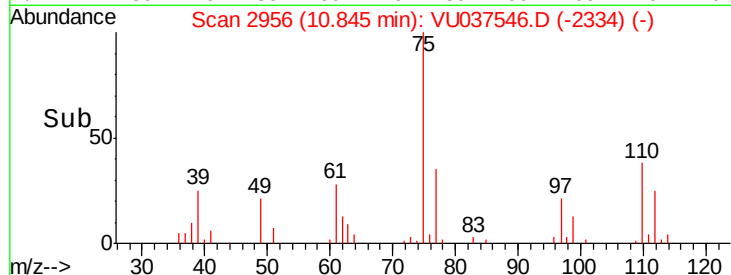
10000

5000

0

Time-->

10.80 10.85 10.90



#61

Bromoform

Concen: 4.653 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037546.D

Acq: 02 Apr 2020 10:25

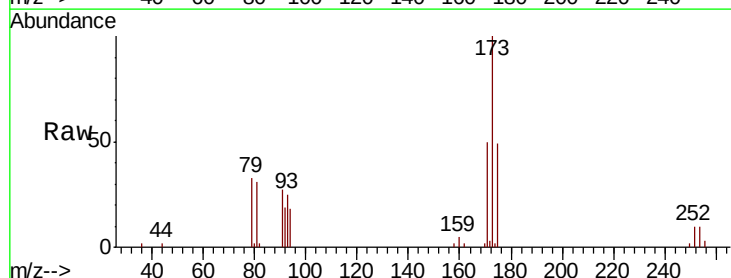
Tgt Ion: 173 Resp: 20360

Ion Ratio Lower Upper

173 100

175 49.1 37.2 55.8

254 10.0 7.7 11.5



Abundance Ion 172.90 (172.60 to 173.60): VU037528.D (-2779) (-)

Ion 174.90 (174.60 to 175.60): VU037528.D (-2779) (-)

Ion 253.75 (253.45 to 254.45): VU037528.D (-2779) (-)

10.31

15000

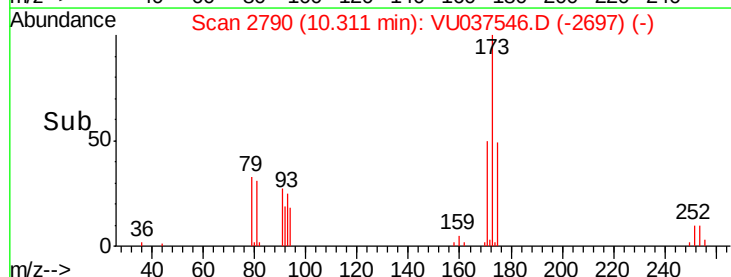
10000

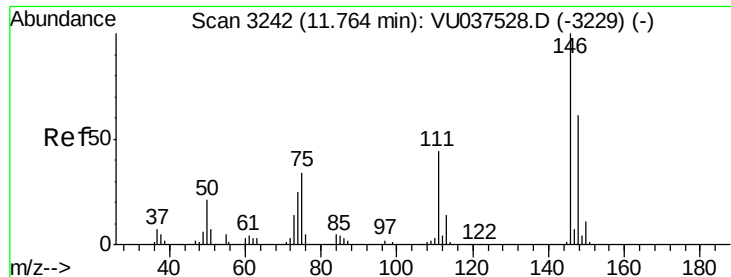
5000

0

Time-->

10.25 10.30 10.35

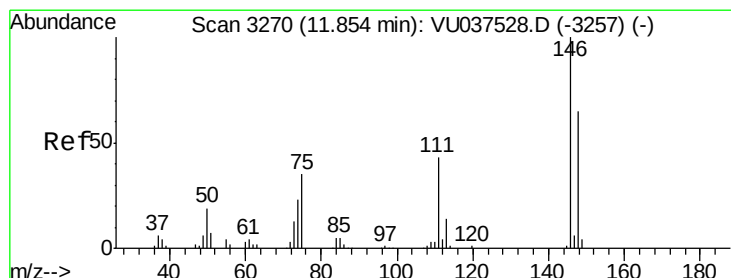
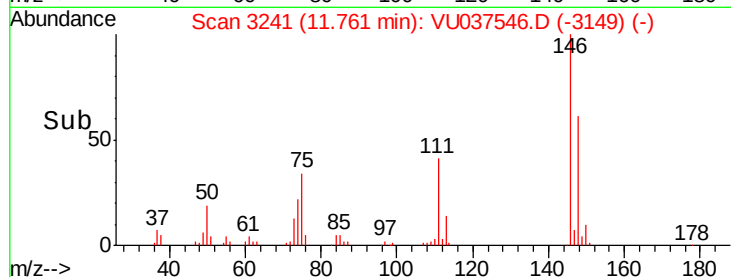
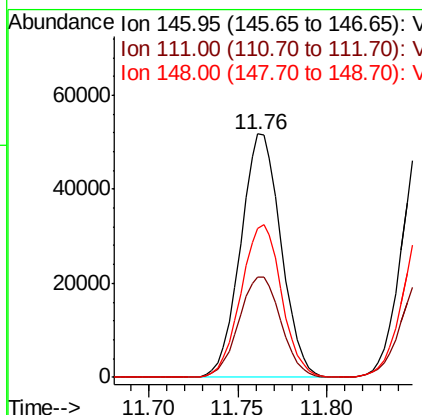
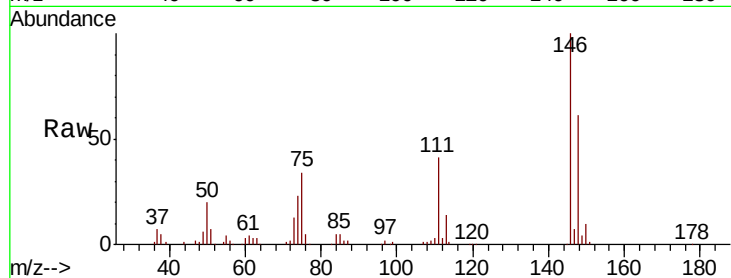




#62
 1,3-Dichlorobenzene
 Concen: 4.651 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. -0.00 min
 Lab File: VU037546.D
 Acq: 02 Apr 2020 10:25

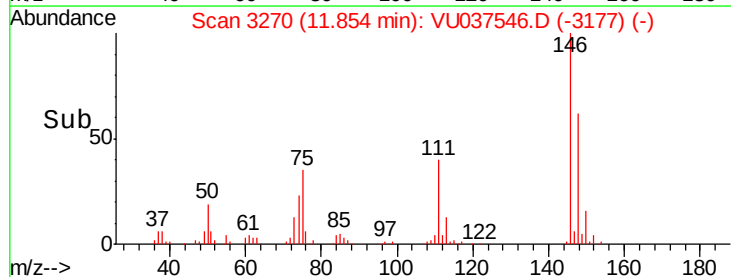
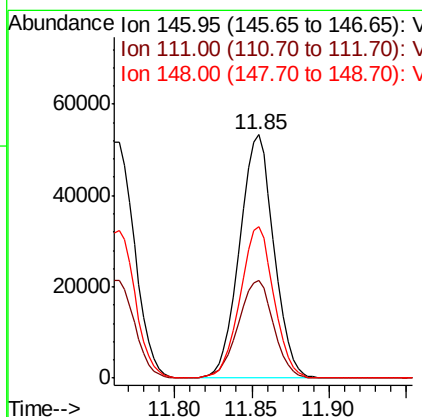
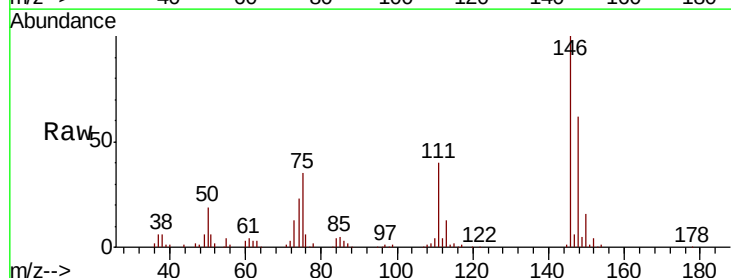
Instrument :
 MSVOA_U
 ClientSampleId :

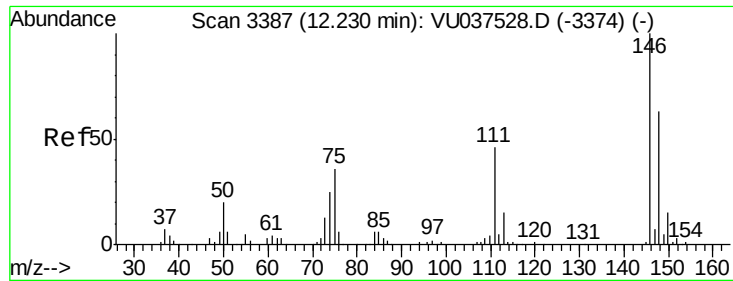
Tot Ion:146 Resp: 81749
 Ion Ratio Lower Upper
 146 100
 111 41.4 29.8 55.4
 148 61.4 45.2 84.0



#63
 1,4-Dichlorobenzene
 Concen: 4.601 ug/L
 RT: 11.85 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU037546.D
 Acq: 02 Apr 2020 10:25

Tgt Ion:146 Resp: 82227
 Ion Ratio Lower Upper
 146 100
 111 40.0 29.9 55.5
 148 62.3 45.6 84.8

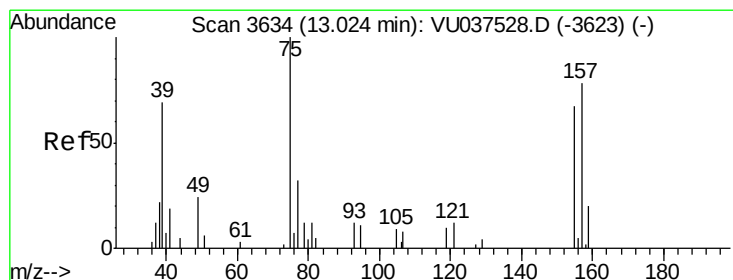
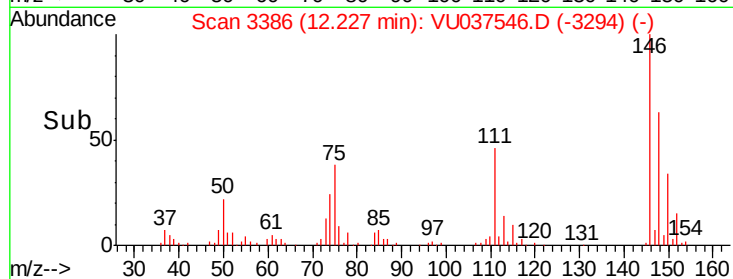
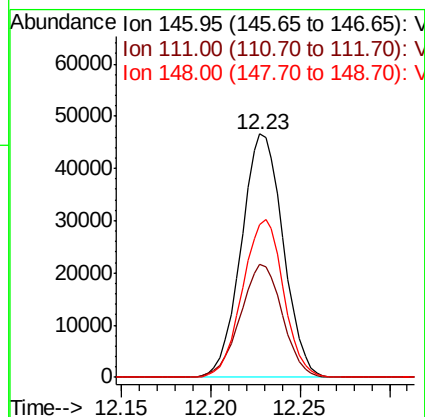
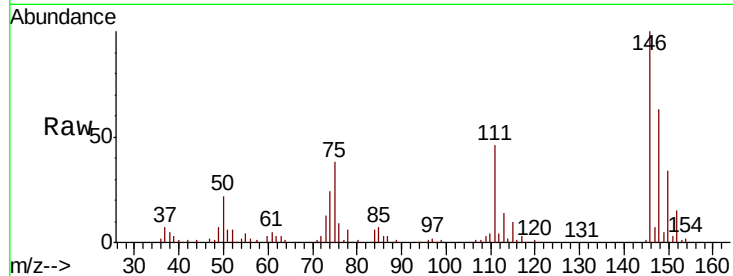




#65
 1,2-Dichlorobenzene
 Concen: 4.523 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU037546.D
 Acq: 02 Apr 2020 10:25

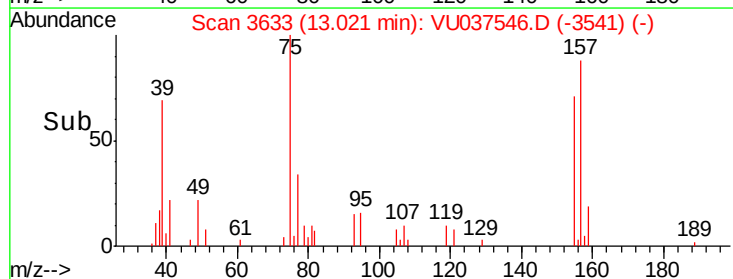
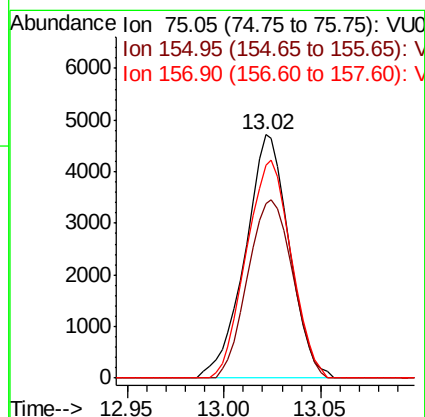
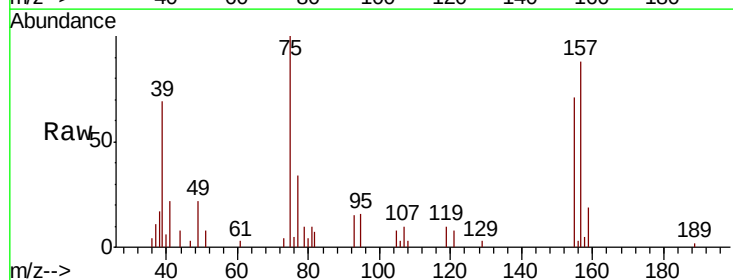
Instrument :
 MSVOA_U
 ClientSampled :

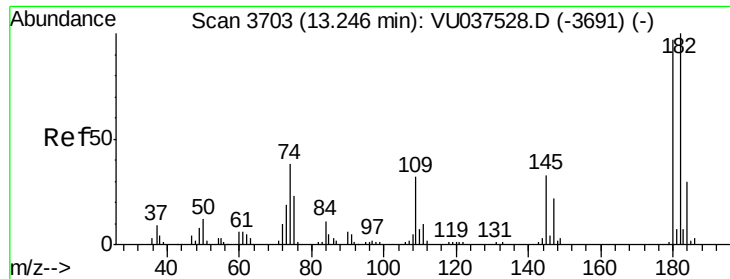
Tot Ion:146 Resp: 76054
 Ion Ratio Lower Upper
 146 100
 111 46.4 34.2 51.4
 148 62.7 52.2 78.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.620 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. -0.00 min
 Lab File: VU037546.D
 Acq: 02 Apr 2020 10:25

Tgt Ion: 75 Resp: 7464
 Ion Ratio Lower Upper
 75 100
 155 71.4 51.0 76.4
 157 87.5 72.0 108.0

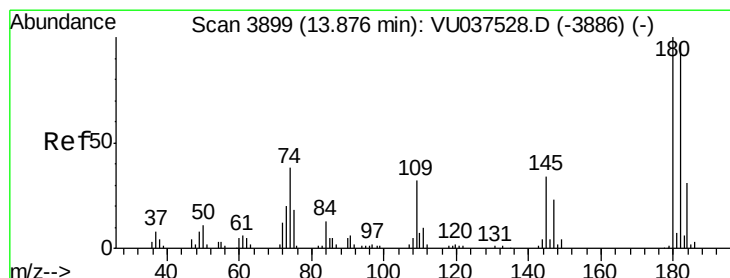
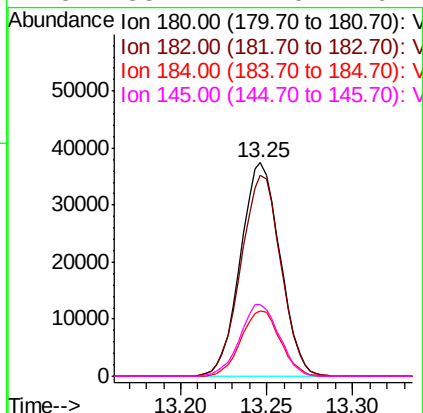
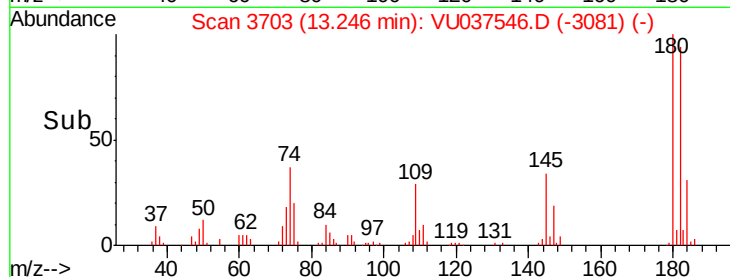
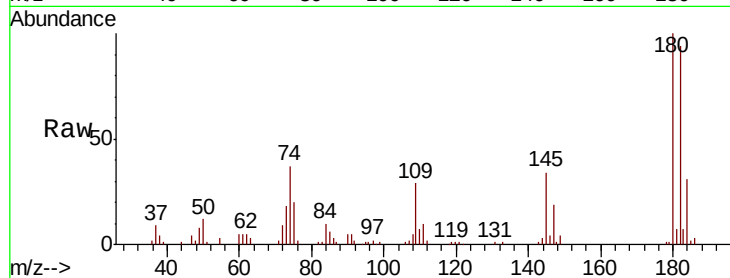




#67
 1,3,5-Trichlorobenzene
 Concen: 4.731 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.00 min
 Lab File: VU037546.D
 Acq: 02 Apr 2020 10:25

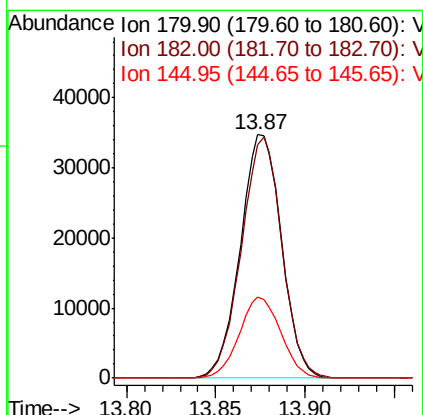
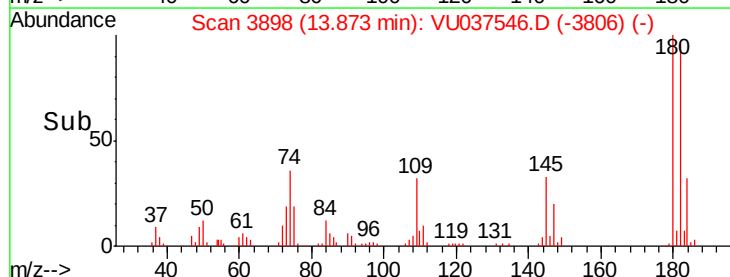
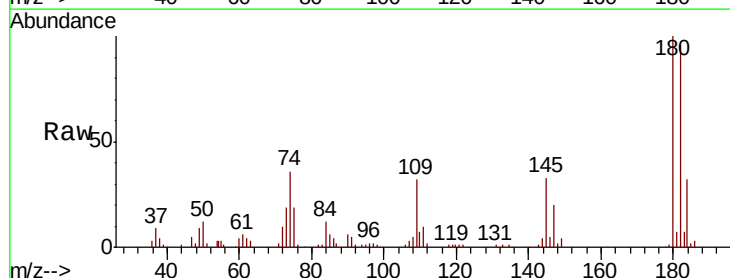
Instrument :
 MSVOA_U
 ClientSampleId :

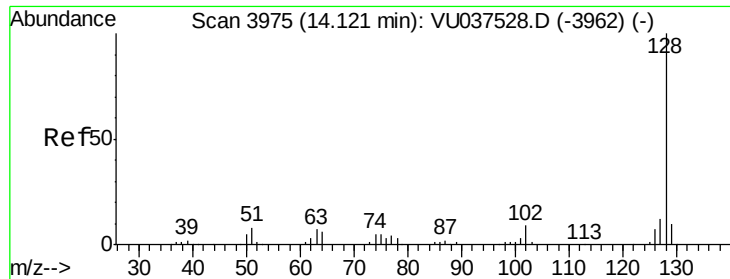
Tot Ion:180 Resp: 60018
 Ion Ratio Lower Upper
 180 100
 182 94.8 77.9 116.9
 184 30.2 25.0 37.6
 145 33.2 27.0 40.4



#68
 1,2,4-trichlorobenzene
 Concen: 4.752 ug/L
 RT: 13.87 min Scan# 3898
 Delta R.T. -0.00 min
 Lab File: VU037546.D
 Acq: 02 Apr 2020 10:25

Tgt Ion:180 Resp: 56082
 Ion Ratio Lower Upper
 180 100
 182 96.9 77.4 116.2
 145 33.0 27.5 41.3





#69

Naphthalene

Concen: 5.119 ug/L

RT: 14.12 min Scan# 3976

Delta R.T. 0.00 min

Lab File: VU037546.D

Acq: 02 Apr 2020 10:25

Instrument :

MSVOA_U

ClientSampleId :

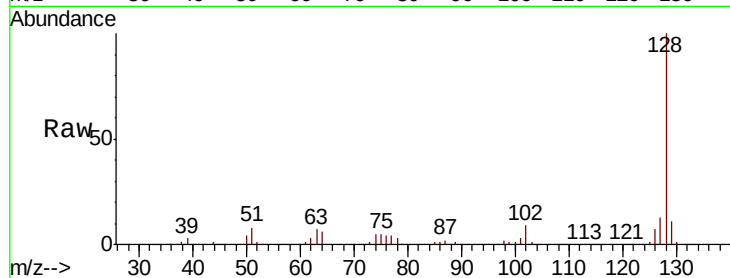
Tot Ion:128 Resp: 134408

Ion Ratio Lower Upper

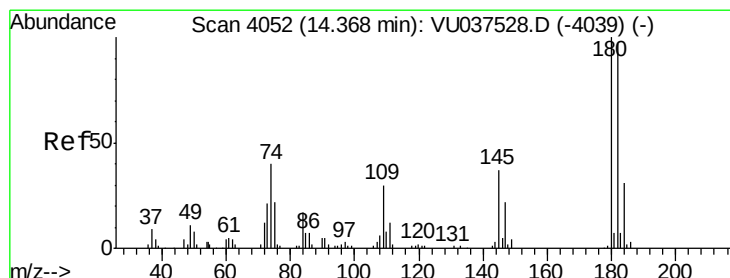
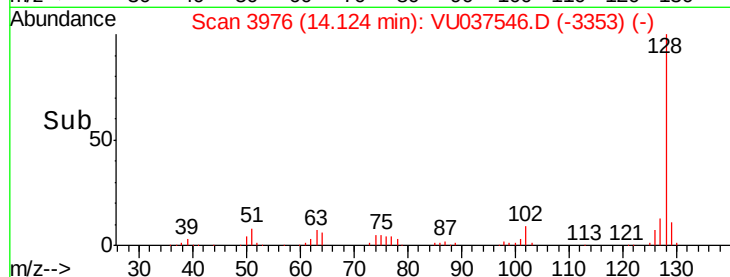
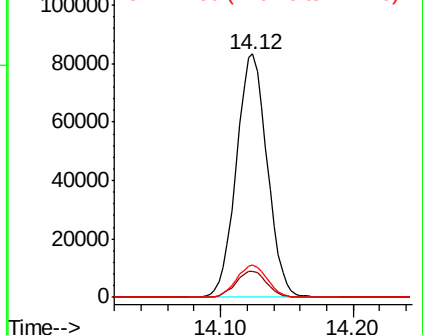
128 100

129 10.7 8.4 12.6

127 13.3 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: 4.742 ug/L

RT: 14.37 min Scan# 4052

Delta R.T. 0.00 min

Lab File: VU037546.D

Acq: 02 Apr 2020 10:25

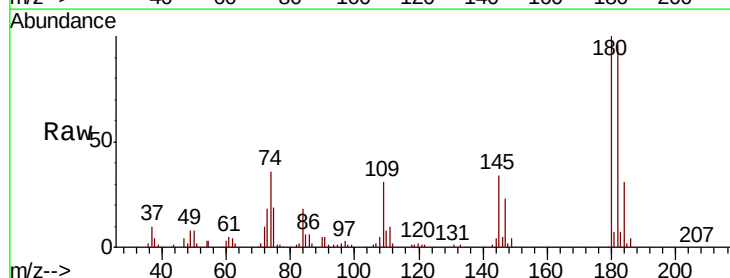
Tgt Ion:180 Resp: 49644

Ion Ratio Lower Upper

180 100

182 95.5 78.7 118.1

145 34.7 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

