

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041520\
 Data File : VU037743.D
 Acq On : 15 Apr 2020 19:11
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 16 01:30:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 16 01:23:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	268116	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	261021	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	130404	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	91291	4.50	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.00%
7) Chloroethane-d5	1.93	69	81788	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.60%
11) 1,1-Dichloroethene-d2	2.59	63	166074	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.20%
20) 2-Butanone-d5	4.66	46	288762	51.82	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.64%
24) Chloroform-d	5.10	84	159955	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.74	65	94641	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	5.76	84	325537	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
36) 1,2-Dichloropropane-d6	6.72	67	110252	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	7.92	98	290309	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.60%
43) trans-1,3-Dichloropropene-	8.20	79	47278	4.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.60%
46) 2-Hexanone-d5	8.65	63	268980	50.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.94%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	91500	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	108046	4.64	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	120913	5.198	ug/L 99
3) Chloromethane	1.54	50	140394	4.882	ug/L 99
5) Vinyl chloride	1.62	62	141947	5.024	ug/L 97
6) Bromomethane	1.87	94	52654	3.246	ug/L 99
8) Chloroethane	1.95	64	79390	4.786	ug/L 100
9) Trichlorofluoromethane	2.16	101	152911	5.044	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	85960	4.870	ug/L 98
12) 1,1-Dichloroethene	2.60	96	85195	4.605	ug/L 96
13) Acetone	2.65	43	169547	46.151	ug/L 98
14) Carbon disulfide	2.82	76	314748	4.659	ug/L 100
15) Methyl Acetate	2.98	43	49246	4.821	ug/L 99
16) Methylene chloride	3.08	84	100157	4.802	ug/L 95
17) Methyl tert-butyl Ether	3.40	73	258019	4.816	ug/L 98
18) trans-1,2-Dichloroethene	3.39	96	96950	4.833	ug/L 99
19) 1,1-Dichloroethane	3.91	63	196727	5.070	ug/L 99
21) 2-Butanone	4.75	43	324458	48.609	ug/L 99
22) cis-1,2-Dichloroethene	4.71	96	106270	4.903	ug/L 100

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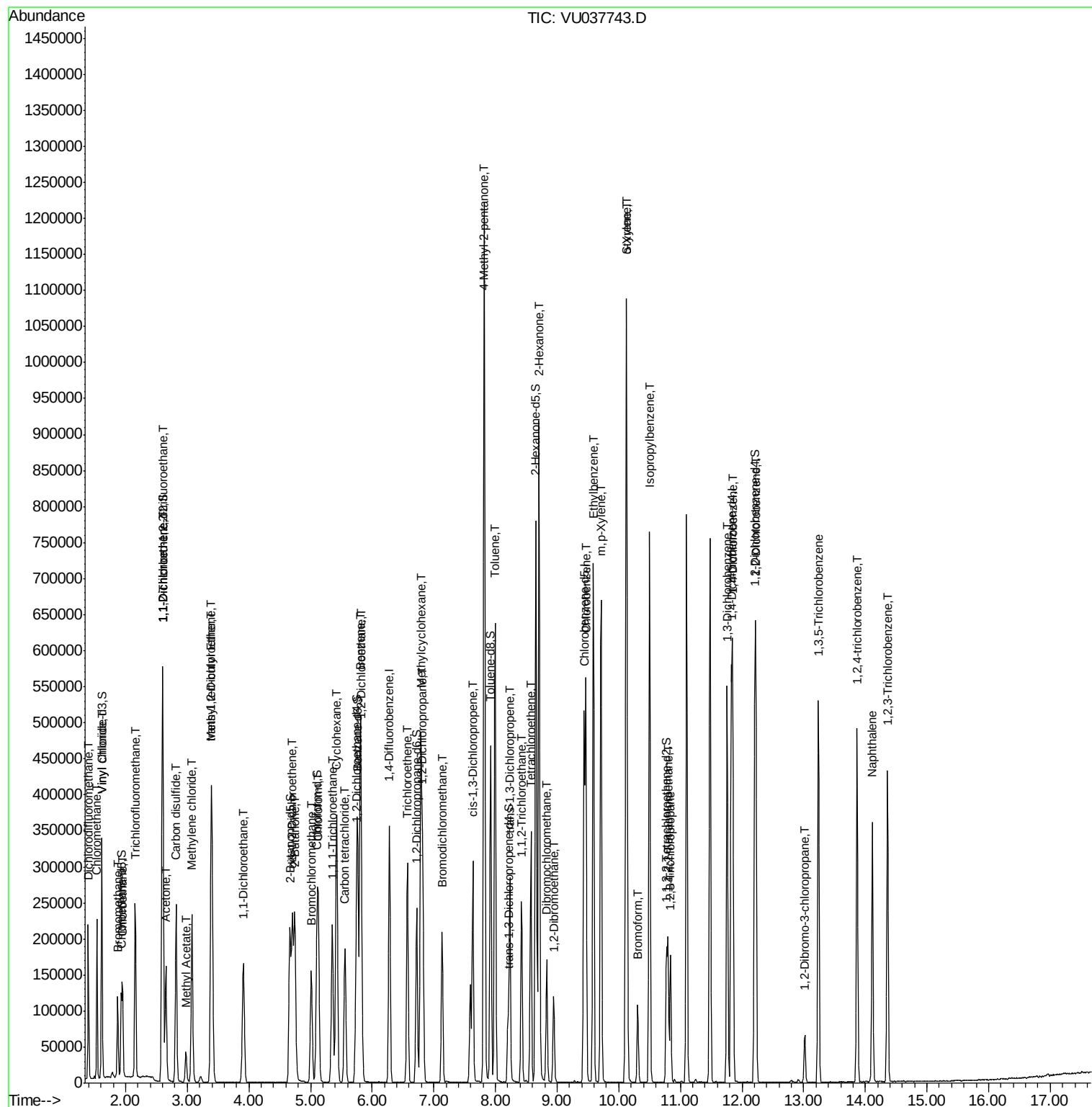
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	43206	4.703	ug/L	95
25) Chloroform	5.13	83	186622	5.063	ug/L	99
27) 1,2-Dichloroethane	5.83	62	128074	5.141	ug/L	97
29) 1,1,1-Trichloroethane	5.35	97	157005	4.957	ug/L	98
30) Cyclohexane	5.42	56	197994	5.051	ug/L	96
31) Carbon tetrachloride	5.56	117	124895	4.949	ug/L	97
33) Benzene	5.81	78	419991	4.870	ug/L	100
34) Trichloroethene	6.57	95	104739	4.942	ug/L	97
35) Methylcyclohexane	6.79	83	183686	4.945	ug/L	98
37) 1,2-Dichloropropane	6.82	63	114557	5.008	ug/L	98
38) Bromodichloromethane	7.13	83	134164	4.933	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	171178	4.781	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	822617	48.920	ug/L	99
42) Toluene	7.99	91	442210	4.895	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	149031	4.795	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	73880	4.793	ug/L	99
47) Tetrachloroethene	8.57	164	73144	4.803	ug/L	97
48) 2-Hexanone	8.71	43	583974	48.505	ug/L	99
49) Dibromochloromethane	8.83	129	81793	4.643	ug/L	97
50) 1,2-Dibromoethane	8.95	107	70848	4.780	ug/L	95
51) Chlorobenzene	9.47	112	264252	4.794	ug/L	97
52) Ethylbenzene	9.59	91	496803	4.943	ug/L	97
53) m,p-Xylene	9.71	106	186795	4.911	ug/L	100
54) o-Xylene	10.12	106	181769	4.855	ug/L	99
55) Styrene	10.13	104	307860	4.811	ug/L	98
56) Isopropylbenzene	10.50	105	484137	4.930	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	96300	4.800	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	73150	4.887	ug/L	98
61) Bromoform	10.31	173	48027	4.635	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	206800	4.735	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	208076	4.750	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	190551	4.635	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	17565	4.609	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	151695	4.736	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	138668	4.717	ug/L	99
69) Naphthalene	14.11	128	271353	4.558	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	124476	4.752	ug/L	99

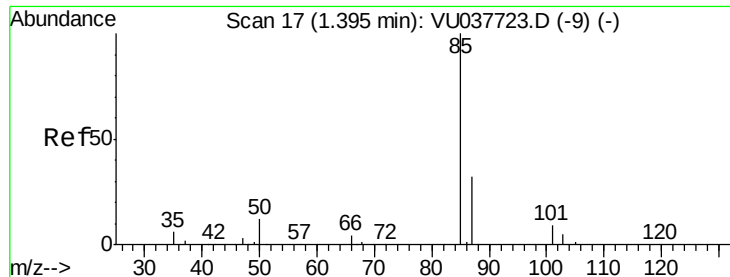
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.198 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037743.D

Acq: 15 Apr 2020 19:11

Instrument :

MSVOA_U

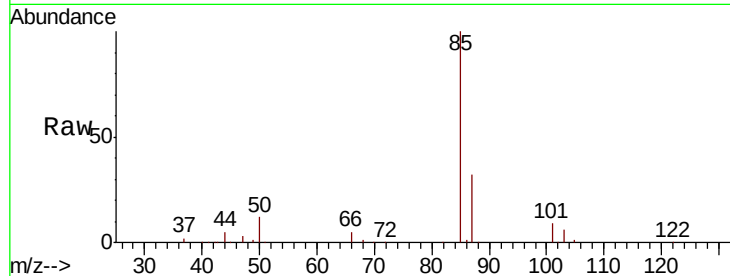
ClientSampleId :

Tot Ion: 85 Resp: 120913

Ion Ratio Lower Upper

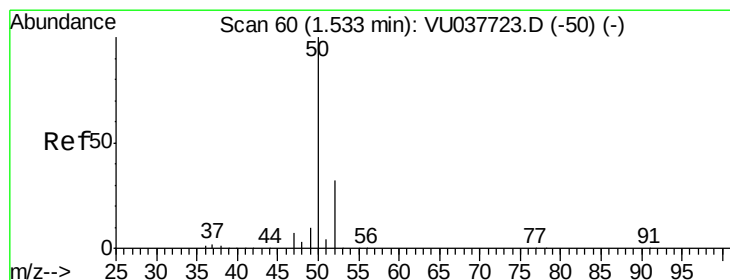
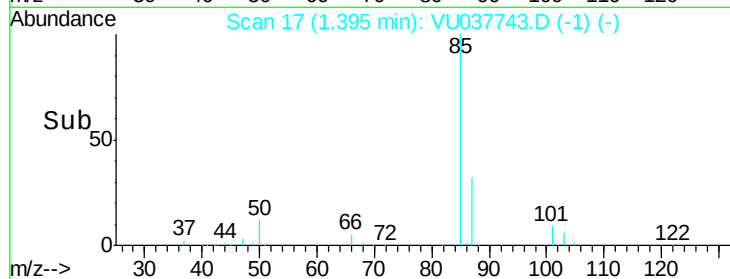
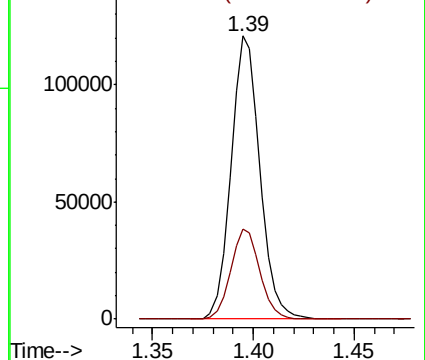
85 100

87 32.0 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.882 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037743.D

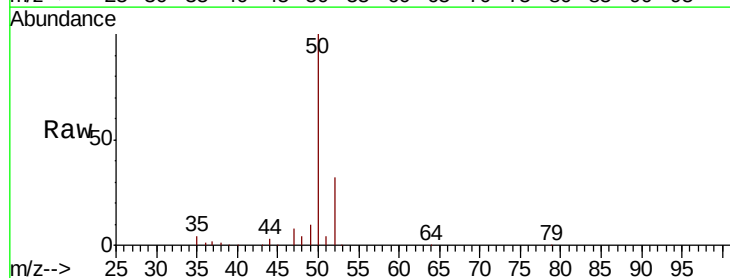
Acq: 15 Apr 2020 19:11

Tgt Ion: 50 Resp: 140394

Ion Ratio Lower Upper

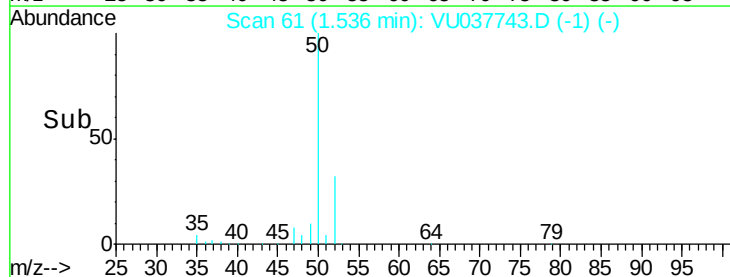
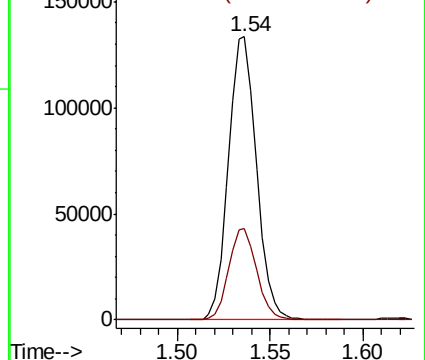
50 100

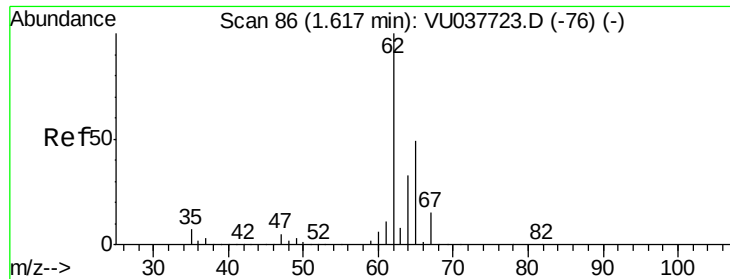
52 32.3 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 5.024 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037743.D

Acq: 15 Apr 2020 19:11

Instrument :

MSVOA_U

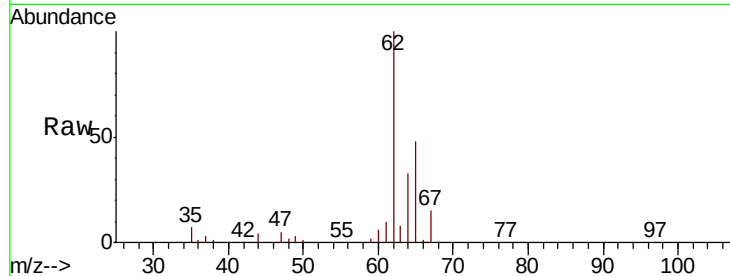
ClientSampled :

Tot Ion: 62 Resp: 141947

Ion Ratio Lower Upper

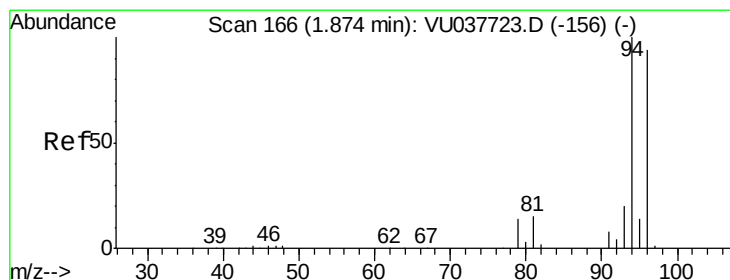
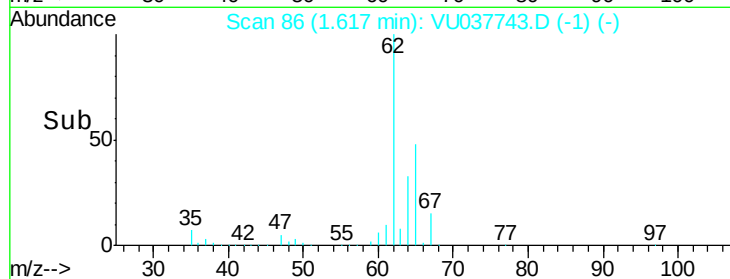
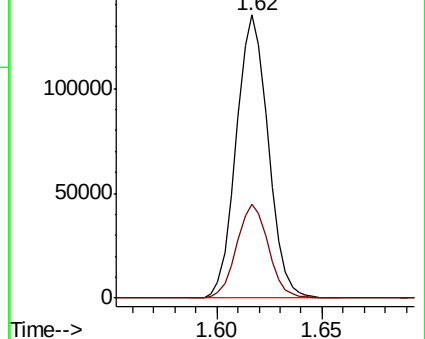
62 100

64 33.3 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VU037743.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU037743.D (-1) (-)



#6

Bromomethane

Concen: 3.246 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU037743.D

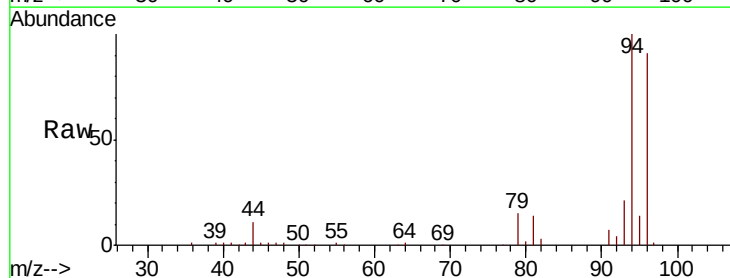
Acq: 15 Apr 2020 19:11

Tgt Ion: 94 Resp: 52654

Ion Ratio Lower Upper

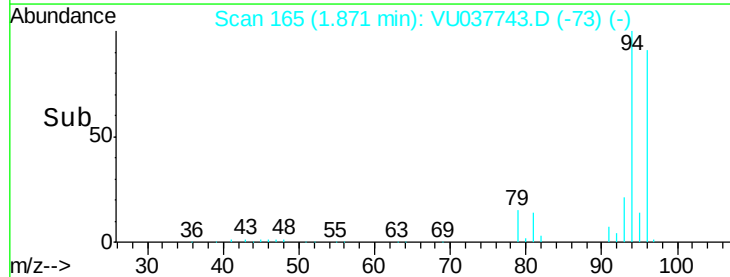
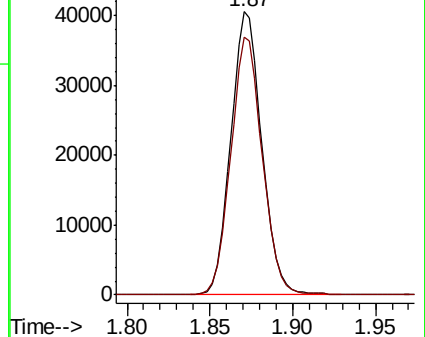
94 100

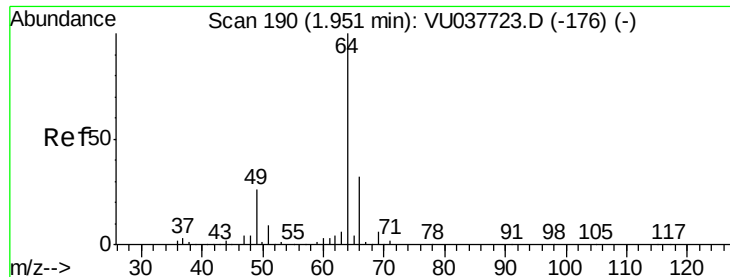
96 91.3 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VU037743.D (-73) (-)

Ion 96.00 (95.70 to 96.70): VU037743.D (-73) (-)





#8

Chloroethane

Concen: 4.786 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU037743.D

Acq: 15 Apr 2020 19:11

Instrument :

MSVOA_U

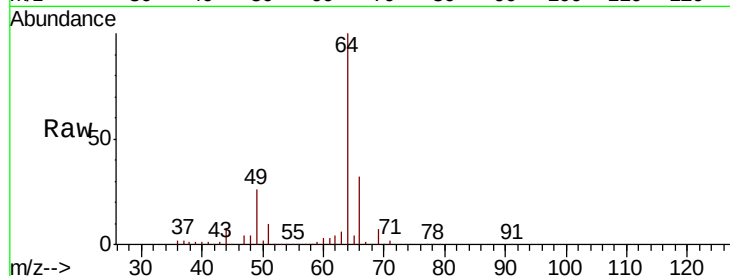
ClientSampleId :

Tot Ion: 64 Resp: 79390

Ion Ratio Lower Upper

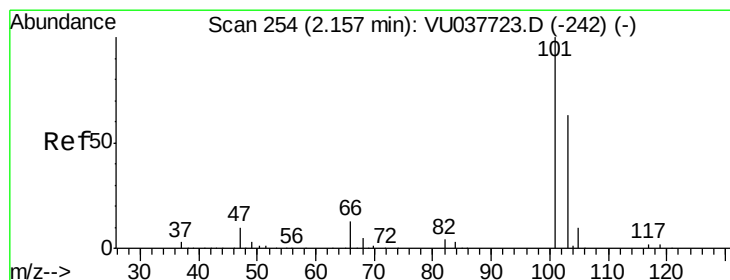
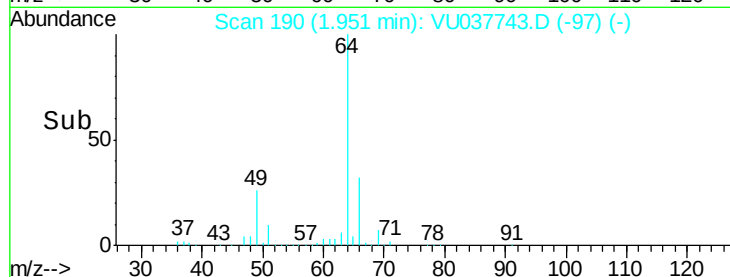
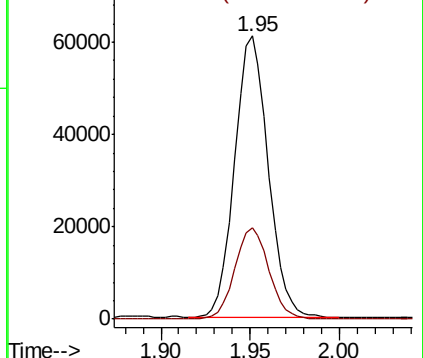
64 100

66 32.2 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VU037743.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU037743.D (-176) (-)



#9

Trichlorofluoromethane

Concen: 5.044 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU037743.D

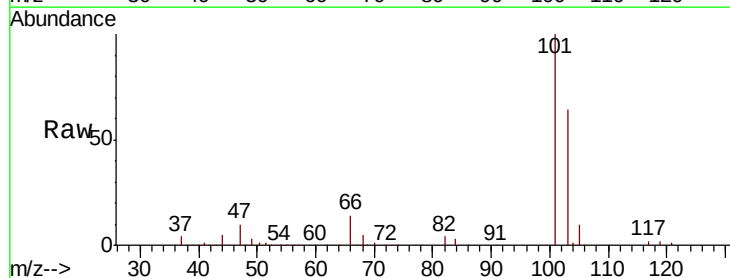
Acq: 15 Apr 2020 19:11

Tgt Ion:101 Resp: 152911

Ion Ratio Lower Upper

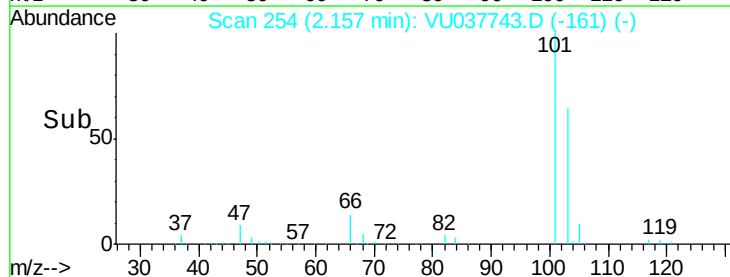
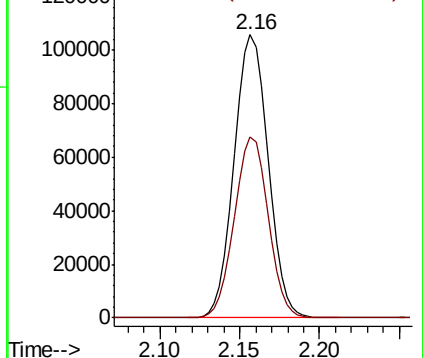
101 100

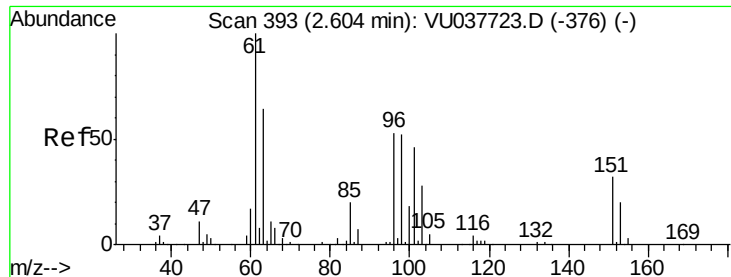
103 63.7 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): VU037743.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU037743.D (-242) (-)





#10

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

Concen: 4.870 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037743.D

Acq: 15 Apr 2020 19:11

Instrument :

MSVOA_U

ClientSampleId :

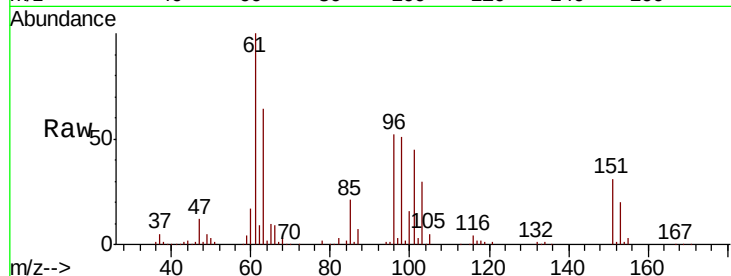
Tot Ion:101 Resp: 85960

Ion Ratio Lower Upper

101 100

85 45.3 34.5 51.7

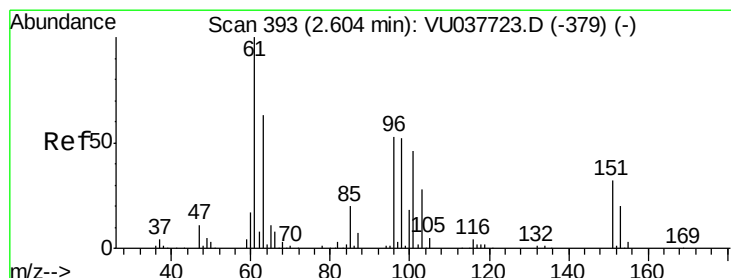
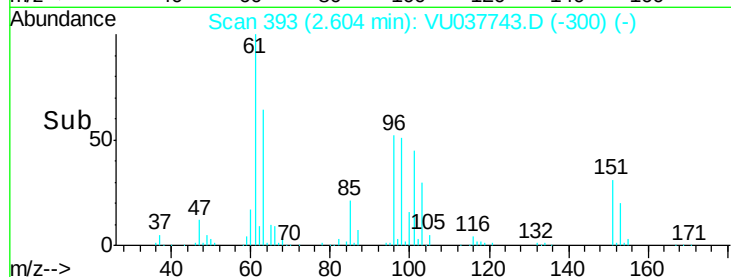
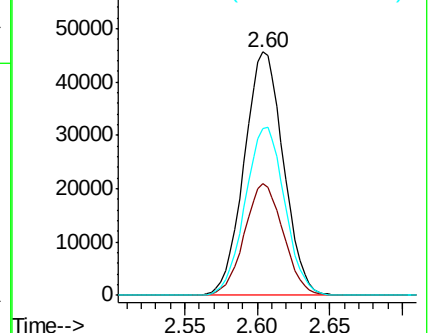
151 69.7 56.9 85.3



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: 4.605 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037743.D

Acq: 15 Apr 2020 19:11

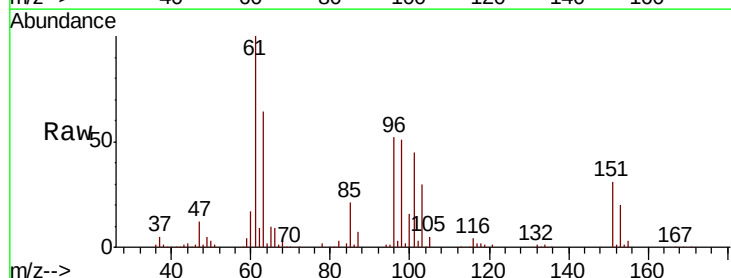
Tgt Ion: 96 Resp: 85195

Ion Ratio Lower Upper

96 100

61 192.0 127.7 237.3

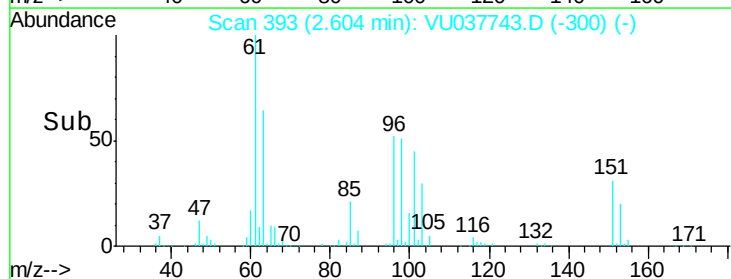
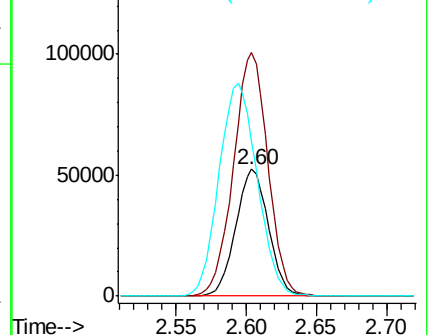
63 122.1 85.0 157.8

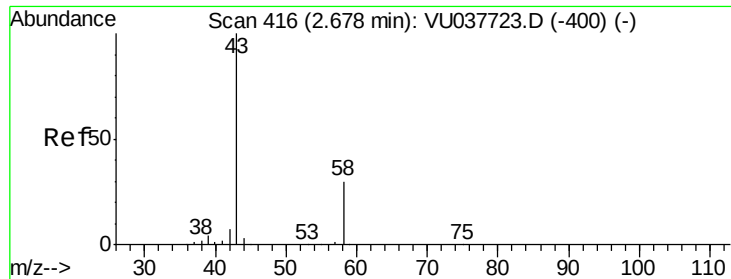


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 46.151 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.03 min

Lab File: VU037743.D

Acq: 15 Apr 2020 19:11

Instrument :

MSVOA_U

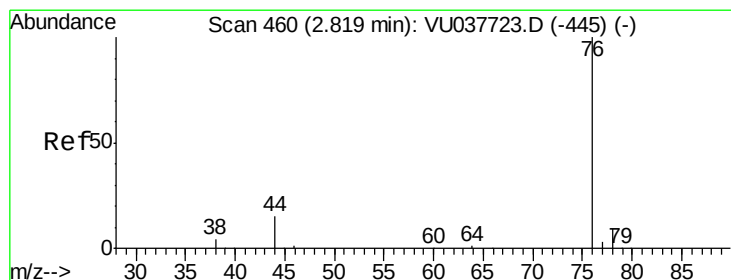
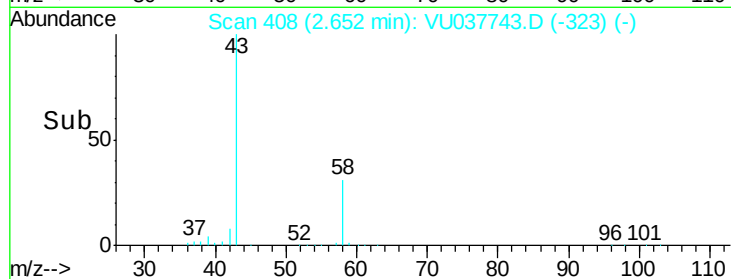
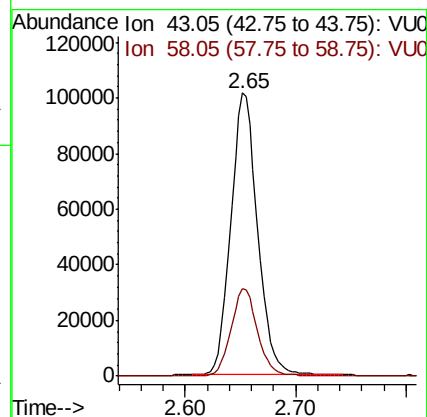
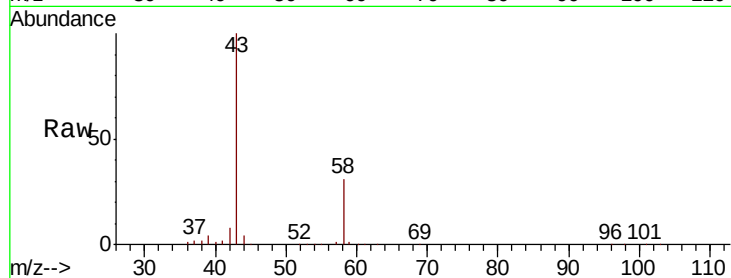
ClientSampleId :

Tot Ion: 43 Resp: 169547

Ion Ratio Lower Upper

43 100

58 31.1 0.0 64.8



#14

Carbon disulfide

Concen: 4.659 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037743.D

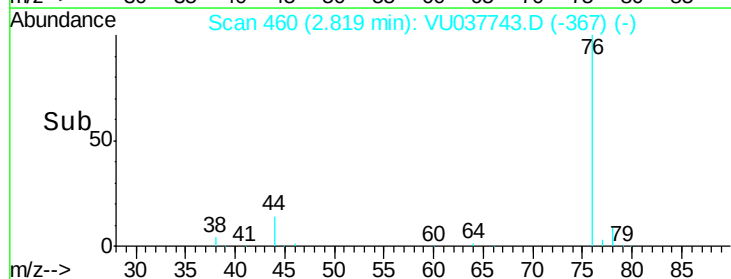
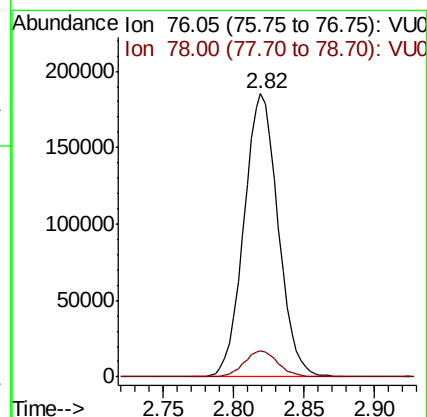
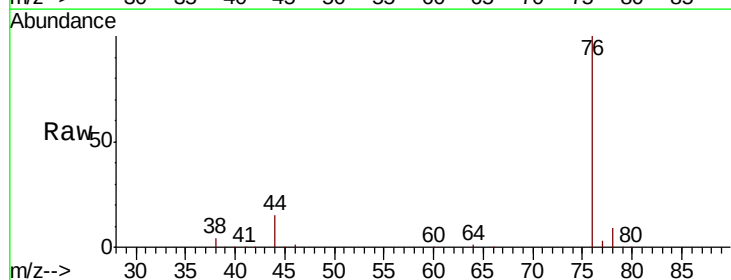
Acq: 15 Apr 2020 19:11

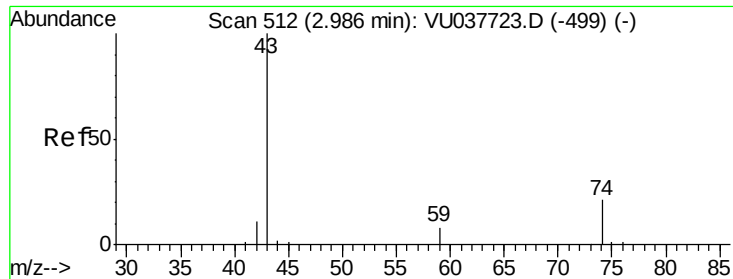
Tgt Ion: 76 Resp: 314748

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

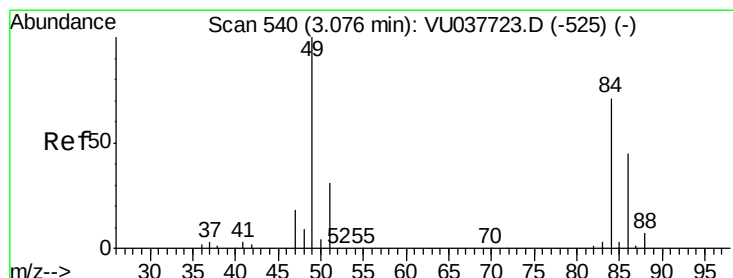
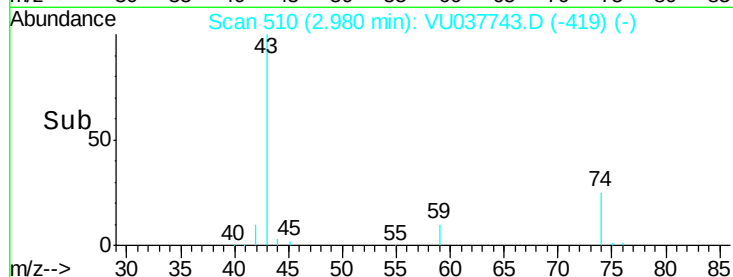
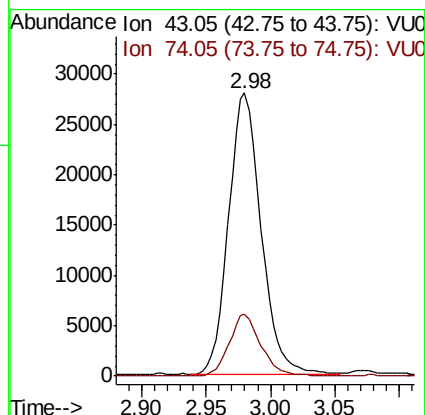
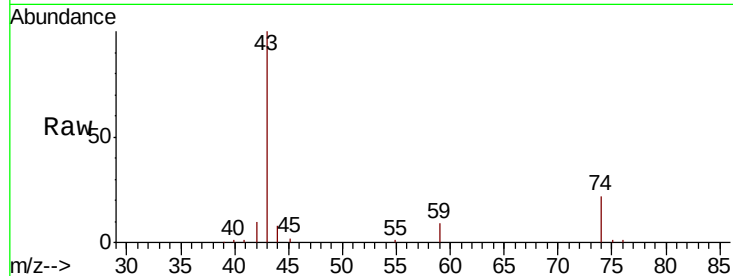




#15
Methvl Acetate
Concen: 4.821 ug/L
RT: 2.98 min Scan# 510
Delta R.T. -0.01 min
Lab File: VU037743.D
Acq: 15 Apr 2020 19:11

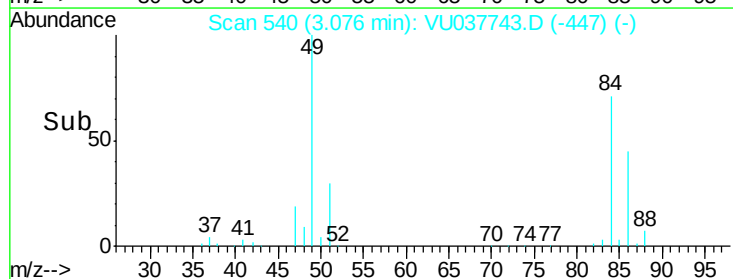
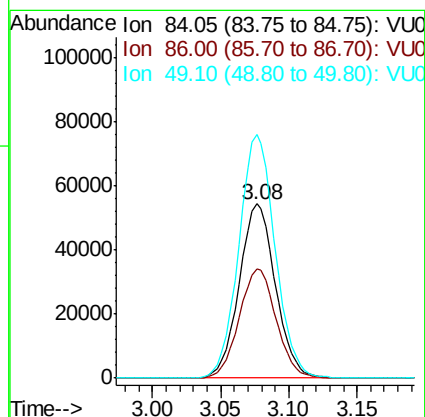
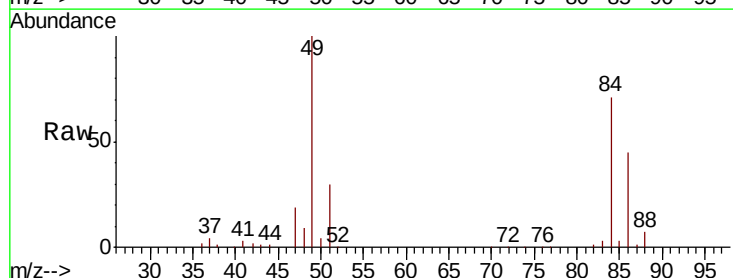
Instrument :
MSVOA_U
ClientSampleId :

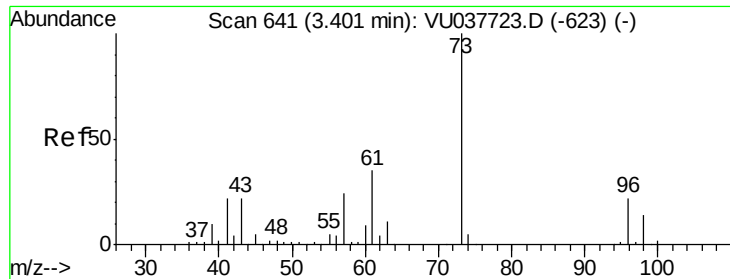
Tot Ion: 43 Resp: 49246
Ion Ratio Lower Upper
43 100
74 21.2 17.2 25.8



#16
Methylene chloride
Concen: 4.802 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU037743.D
Acq: 15 Apr 2020 19:11

Tgt Ion: 84 Resp: 100157
Ion Ratio Lower Upper
84 100
86 62.6 44.2 82.0
49 139.9 92.4 171.6

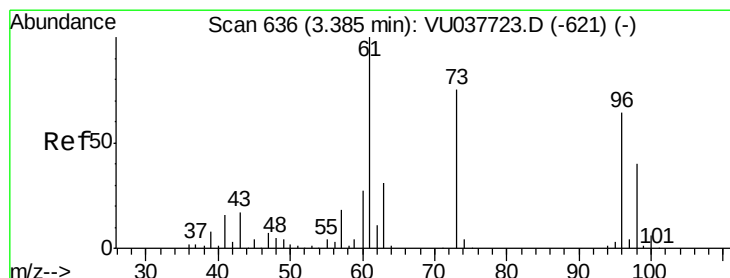
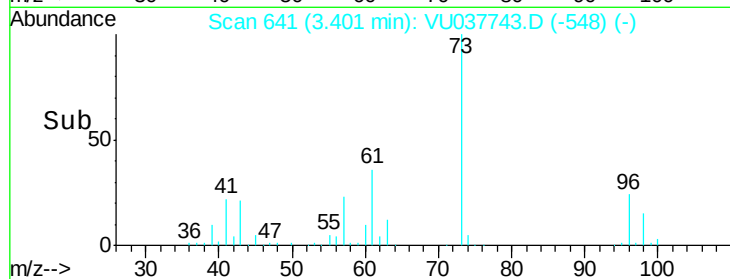
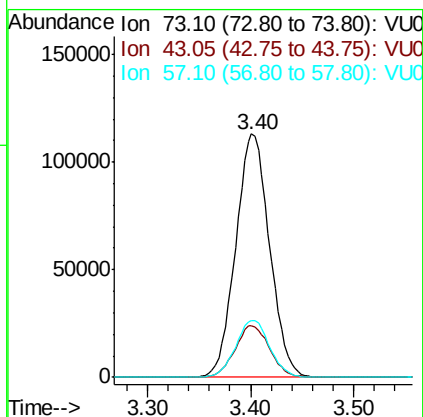
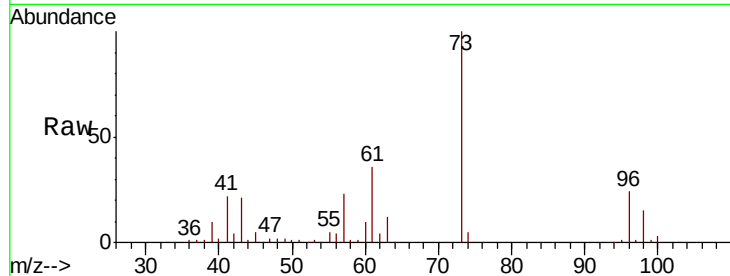




#17
Methyl tert-butyl Ether
Concen: 4.816 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU037743.D
Acq: 15 Apr 2020 19:11

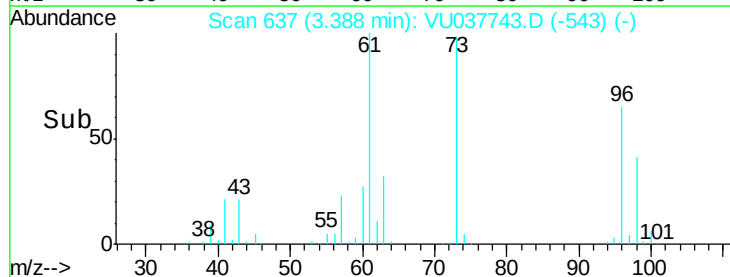
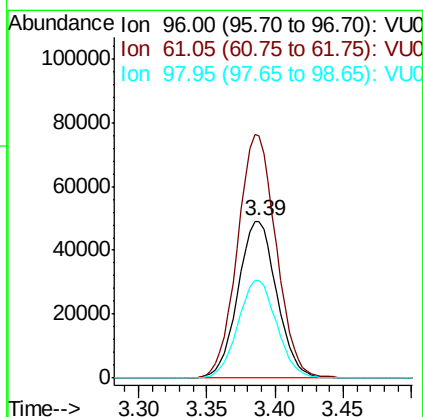
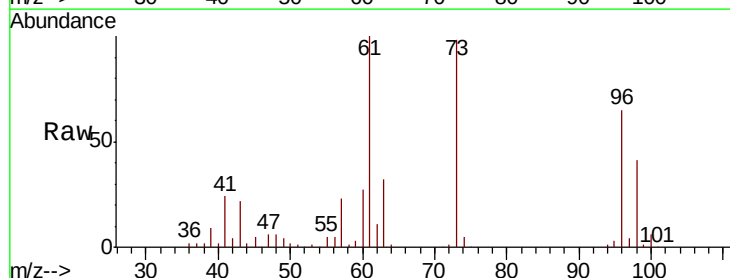
Instrument :
MSVOA_U
ClientSampled :

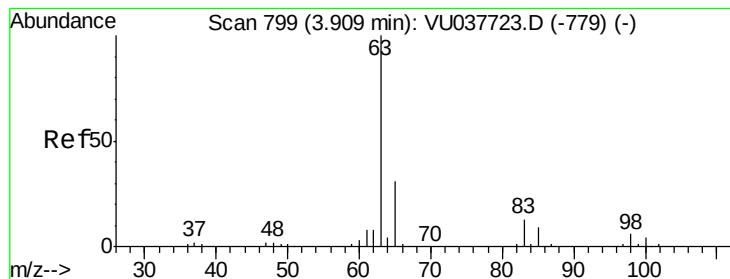
Tot Ion: 73 Resp: 258019
Ion Ratio Lower Upper
73 100
43 22.0 16.4 24.6
57 23.6 18.4 27.6



#18
trans-1,2-Dichloroethene
Concen: 4.833 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU037743.D
Acq: 15 Apr 2020 19:11

Tgt Ion: 96 Resp: 96950
Ion Ratio Lower Upper
96 100
61 154.3 106.7 198.3
98 62.6 44.3 82.3





#19

1,1-Dichloroethane

Concen: 5.070 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU037743.D

Acq: 15 Apr 2020 19:11

Instrument :

MSVOA_U

ClientSampled :

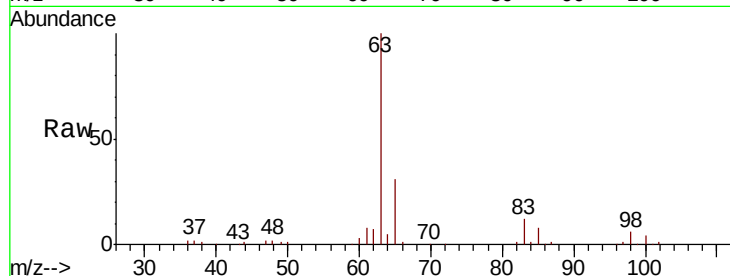
Tot Ion: 63 Resp: 196727

Ion Ratio Lower Upper

63 100

65 30.7 21.6 40.2

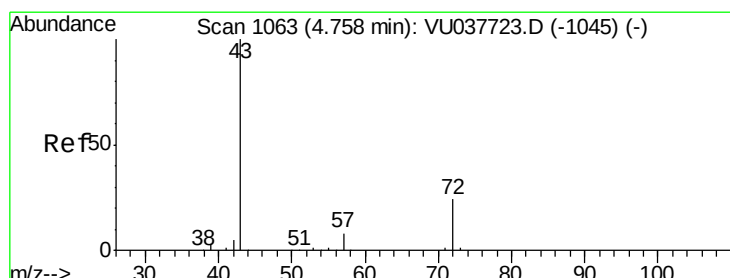
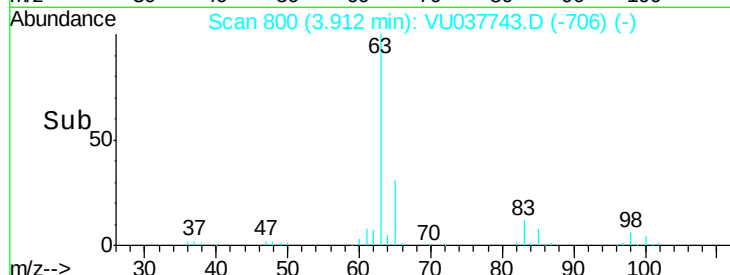
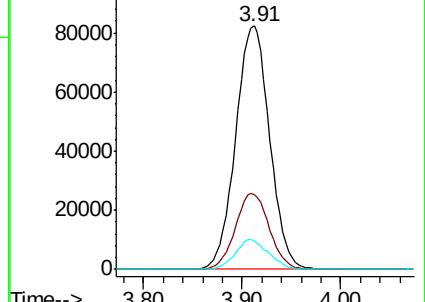
83 11.7 8.6 16.0



Abundance Ion 63.10 (62.80 to 63.80): VU037743.D (-779) (-)

Ion 65.10 (64.80 to 65.80): VU037743.D (-779) (-)

Ion 83.05 (82.75 to 83.75): VU037743.D (-779) (-)



#21

2-Butanone

Concen: 48.609 ug/L

RT: 4.75 min Scan# 1059

Delta R.T. -0.01 min

Lab File: VU037743.D

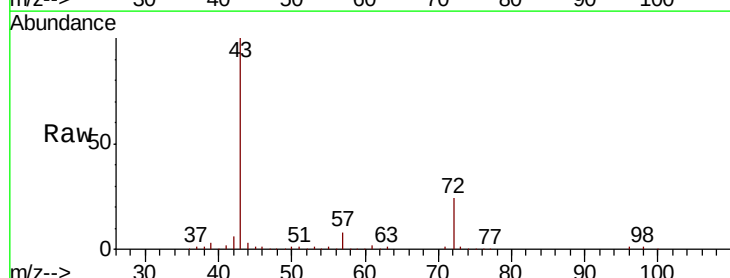
Acq: 15 Apr 2020 19:11

Tgt Ion: 43 Resp: 324458

Ion Ratio Lower Upper

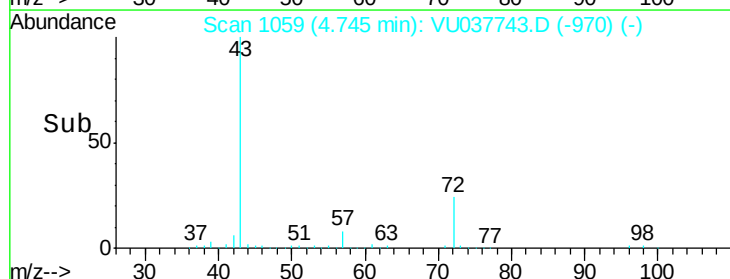
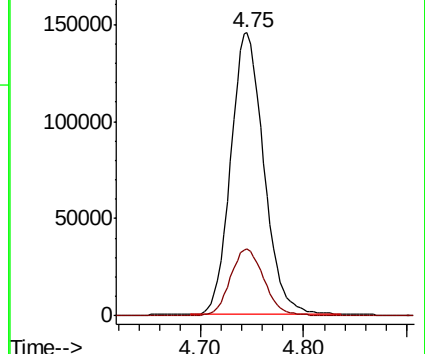
43 100

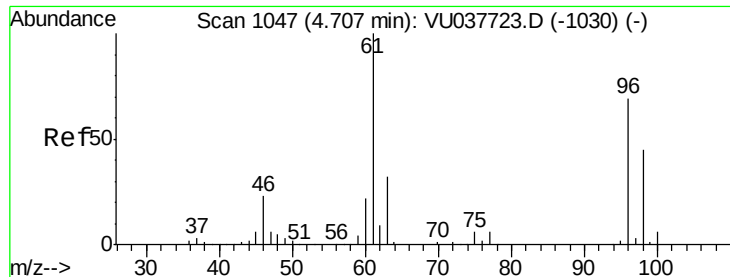
72 24.5 12.6 37.6



Abundance Ion 43.05 (42.75 to 43.75): VU037743.D (-970) (-)

Ion 72.10 (71.80 to 72.80): VU037743.D (-970) (-)

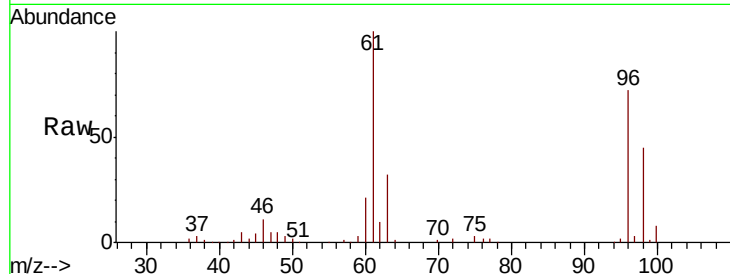




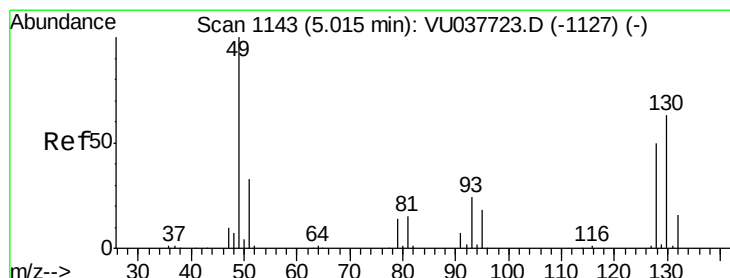
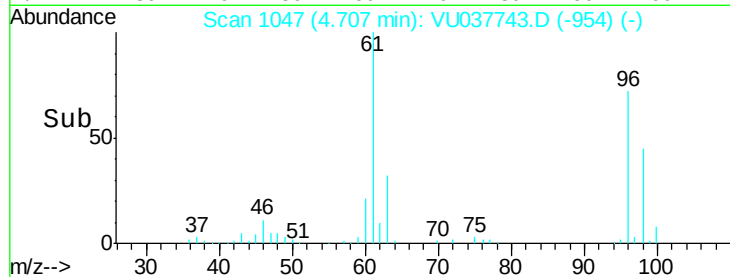
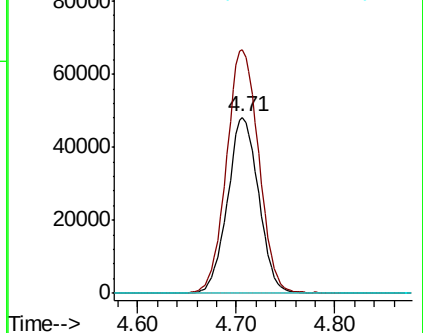
#22
 cis-1,2-Dichloroethene
 Concen: 4.903 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU037743.D
 Acq: 15 Apr 2020 19:11

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 106270
 Ion Ratio Lower Upper
 96 100
 61 138.1 97.0 180.2
 68 0.0 0.0 0.0

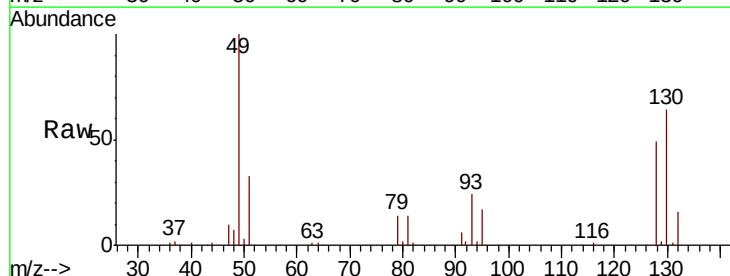


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

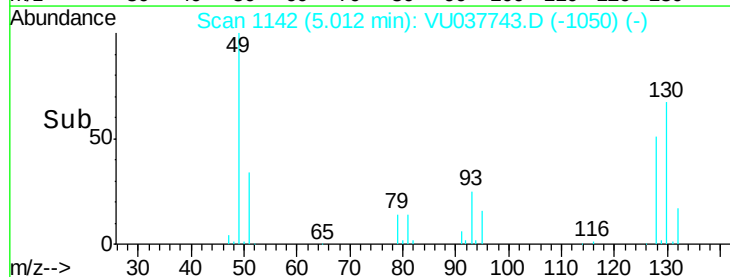
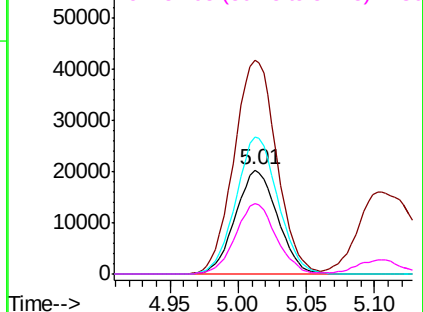


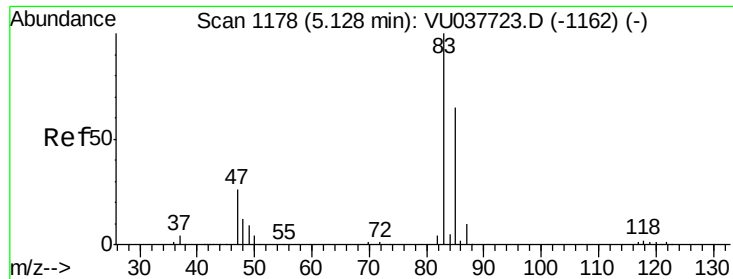
#23
 Bromochloromethane
 Concen: 4.703 ug/L
 RT: 5.01 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VU037743.D
 Acq: 15 Apr 2020 19:11

Tgt Ion: 128 Resp: 43206
 Ion Ratio Lower Upper
 128 100
 49 206.0 138.6 257.4
 130 132.7 91.3 169.5
 51 67.3 49.3 73.9



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

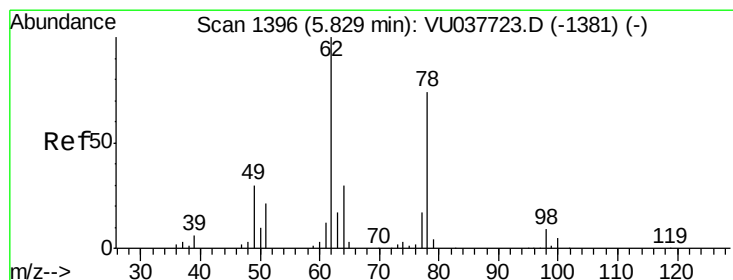
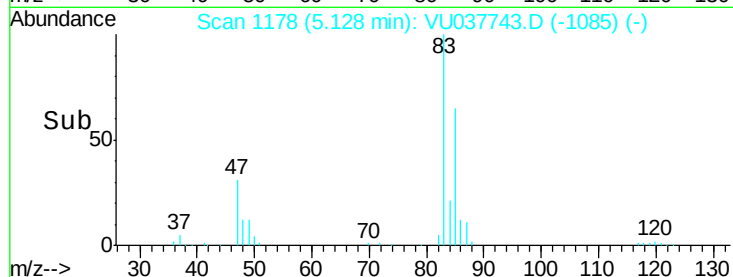
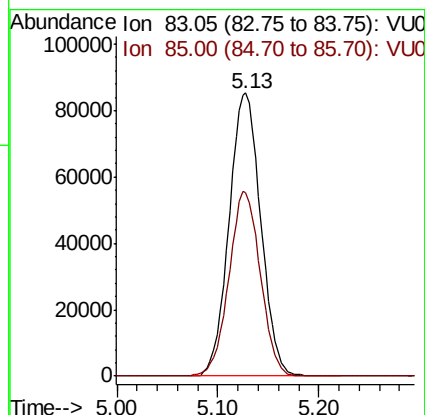
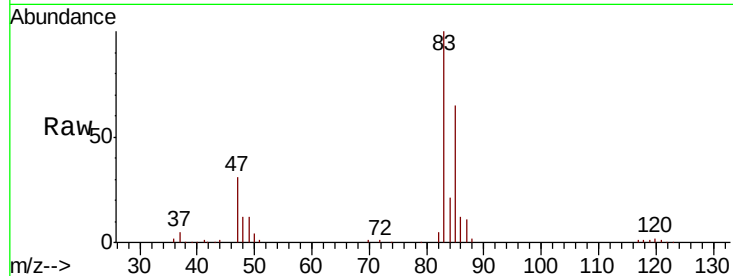




#25
Chloroform
Concen: 5.063 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037743.D
Acq: 15 Apr 2020 19:11

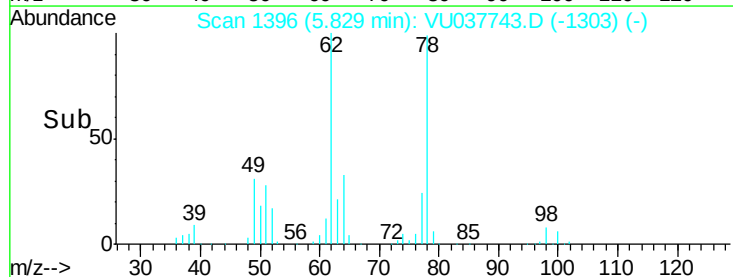
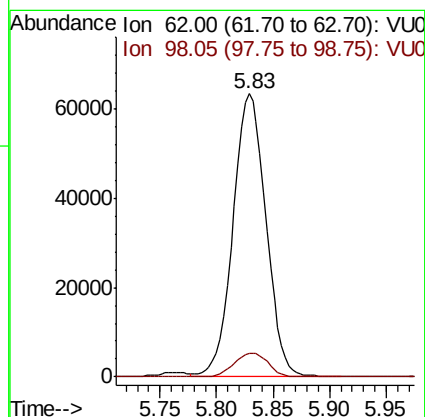
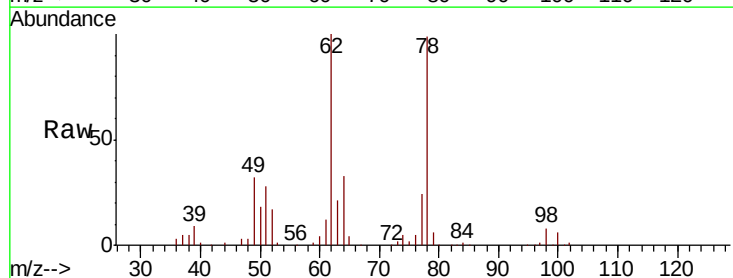
Instrument :
MSVOA_U
ClientSampled :

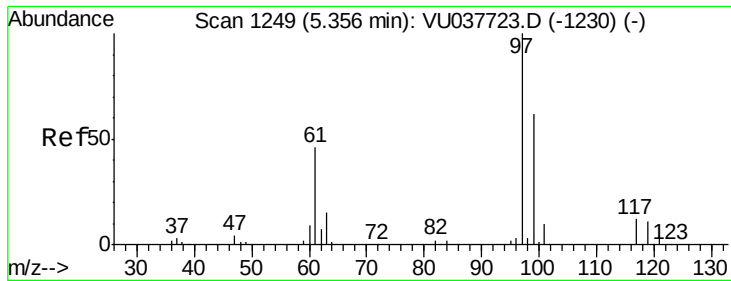
Tot Ion: 83 Resp: 186622
Ion Ratio Lower Upper
83 100
85 64.7 44.9 83.3



#27
1,2-Dichloroethane
Concen: 5.141 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU037743.D
Acq: 15 Apr 2020 19:11

Tgt Ion: 62 Resp: 128074
Ion Ratio Lower Upper
62 100
98 8.5 7.6 11.4

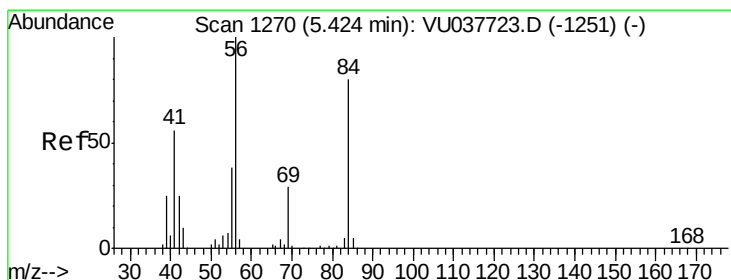
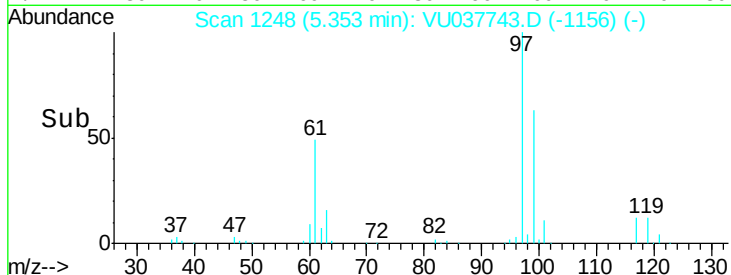
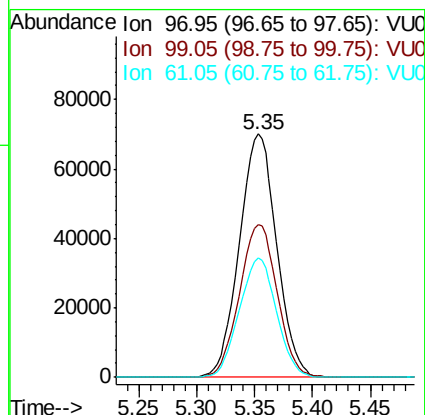
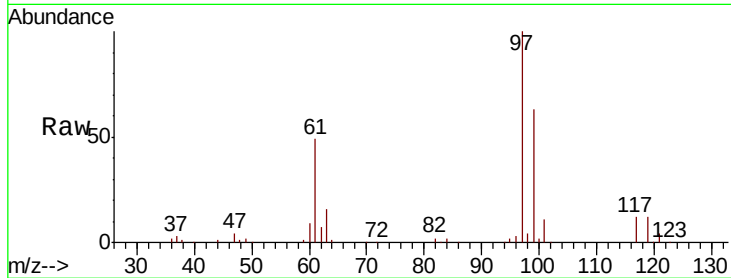




#29
 1,1,1-Trichloroethane
 Concen: 4.957 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU037743.D
 Acq: 15 Apr 2020 19:11

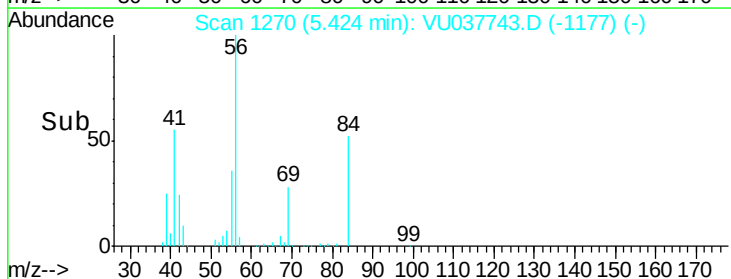
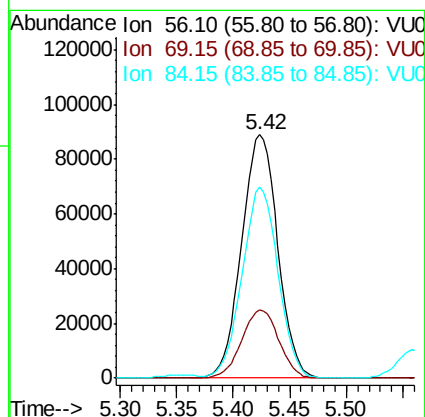
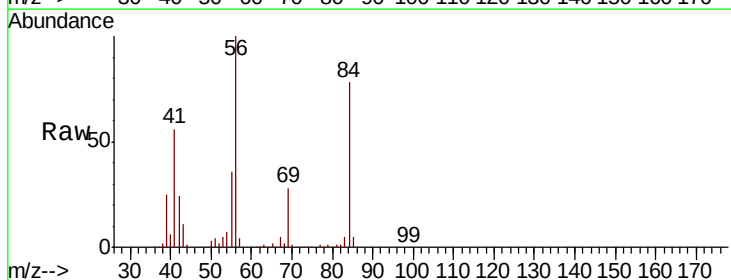
Instrument :
 MSVOA_U
 ClientSampled :

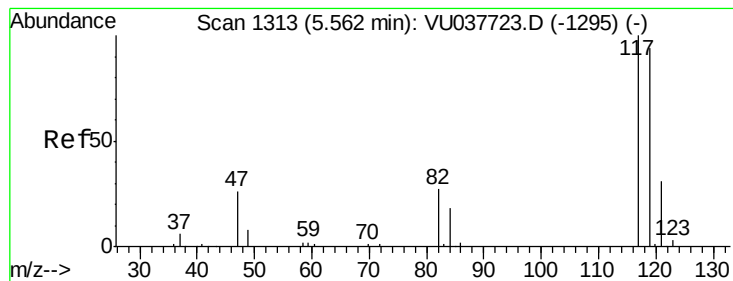
Tot Ion: 97 Resp: 157005
 Ion Ratio Lower Upper
 97 100
 99 63.4 52.0 78.0
 61 49.0 37.8 56.8



#30
 Cyclohexane
 Concen: 5.051 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU037743.D
 Acq: 15 Apr 2020 19:11

Tgt Ion: 56 Resp: 197994
 Ion Ratio Lower Upper
 56 100
 69 28.7 23.9 35.9
 84 78.1 65.6 98.4





#31

Carbon tetrachloride

Concen: 4.949 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU037743.D

Acq: 15 Apr 2020 19:11

Instrument :

MSVOA_U

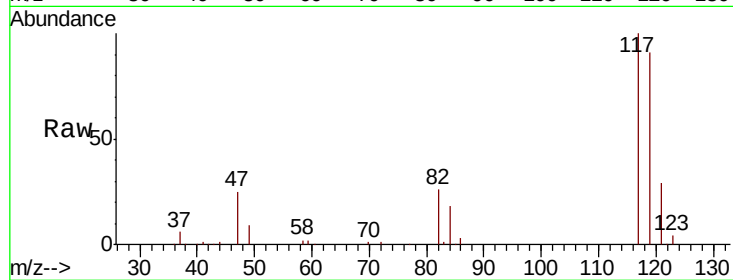
ClientSampleId :

Tot Ion:117 Resp: 124895

Ion Ratio Lower Upper

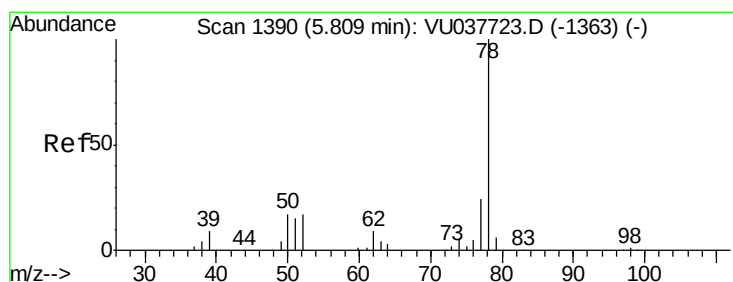
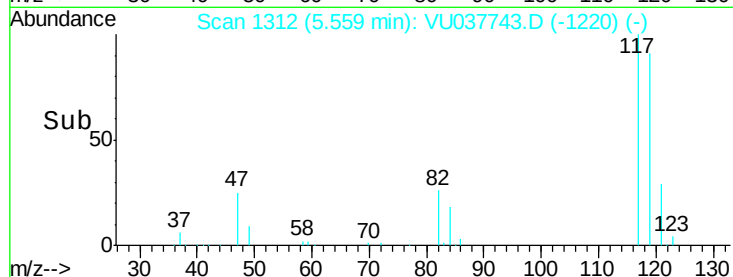
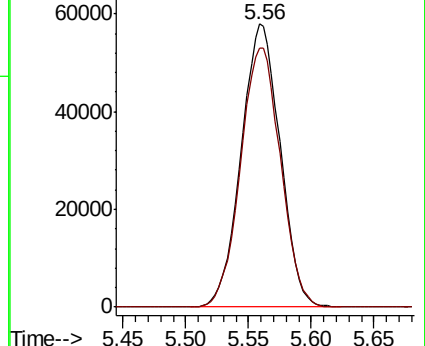
117 100

119 94.2 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.870 ug/L

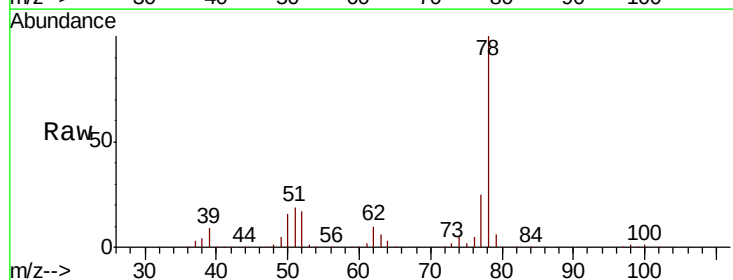
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

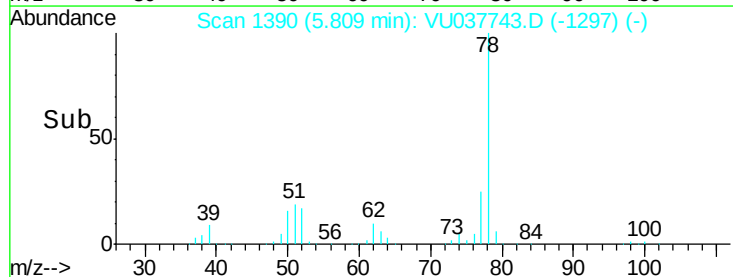
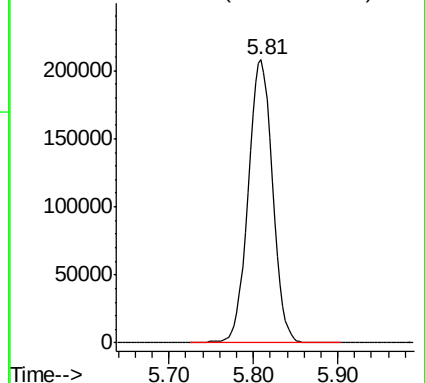
Lab File: VU037743.D

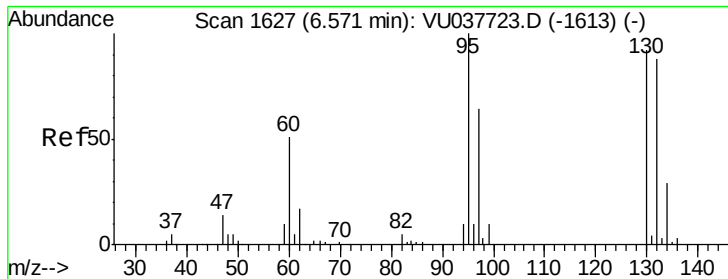
Acq: 15 Apr 2020 19:11

Tgt Ion: 78 Resp: 419991



Abundance Ion 78.10 (77.80 to 78.80): VU0

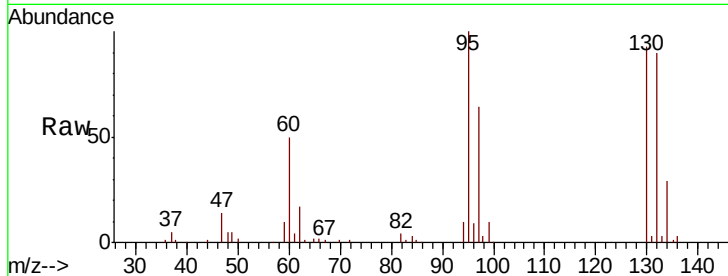




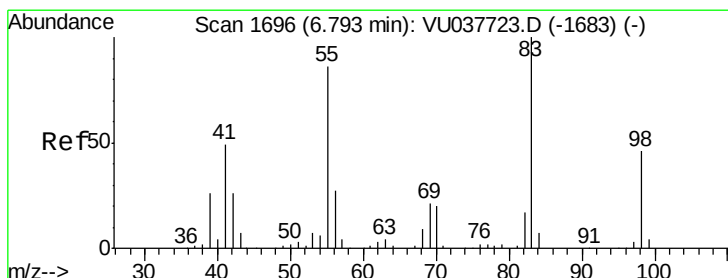
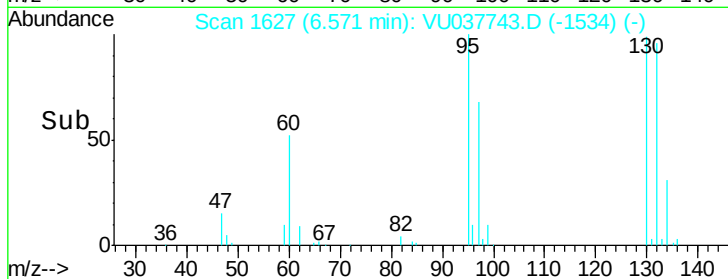
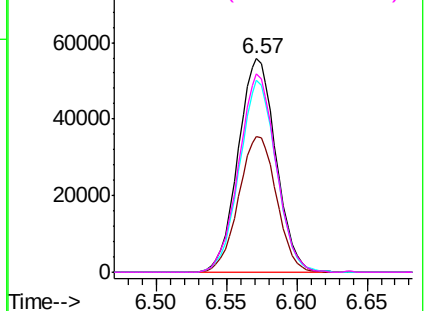
#34
 Trichloroethene
 Concen: 4.942 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU037743.D
 Acq: 15 Apr 2020 19:11

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 104739
 Ion Ratio Lower Upper
 95 100
 97 63.6 45.4 84.2
 132 89.7 63.7 118.3
 130 92.7 68.7 127.5

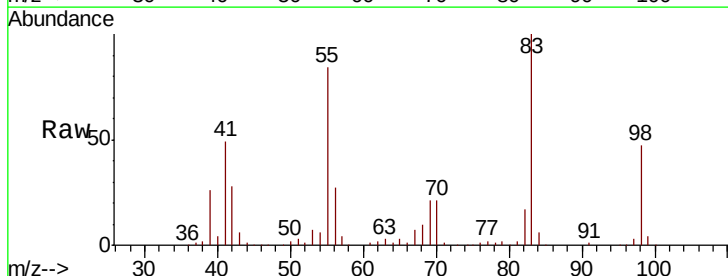


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

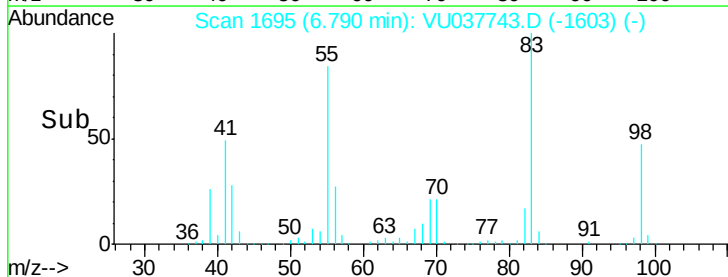
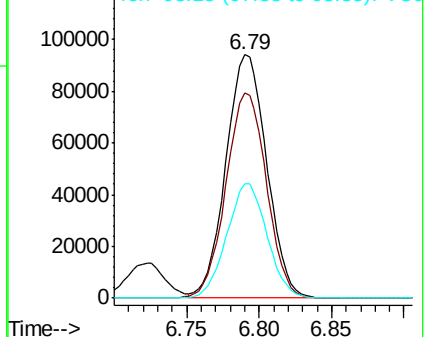


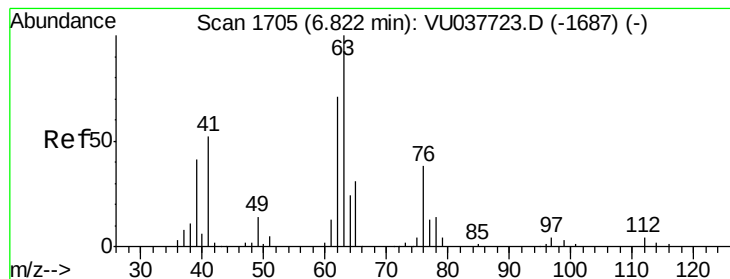
#35
 Methylcyclohexane
 Concen: 4.945 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU037743.D
 Acq: 15 Apr 2020 19:11

Tgt Ion: 83 Resp: 183686
 Ion Ratio Lower Upper
 83 100
 55 83.8 65.5 98.3
 98 46.6 38.2 57.4



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: 5.008 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU037743.D

Acq: 15 Apr 2020 19:11

Instrument :

MSVOA_U

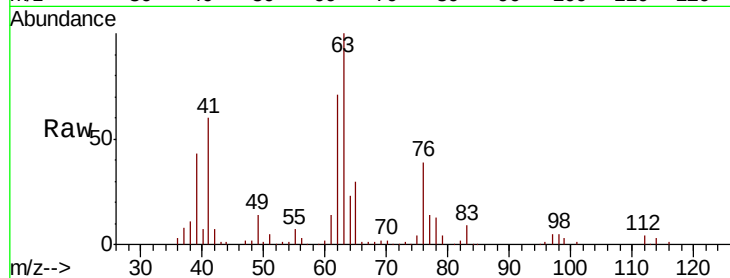
ClientSampleId :

Tot Ion: 63 Resp: 114557

Ion Ratio Lower Upper

63 100

112 3.6 3.4 5.0



Abundance Ion 63.10 (62.80 to 63.80): VU037723.D (-1687) (-)

Ion 112.10 (111.80 to 112.80): VU037723.D (-1687) (-)

6.82

60000

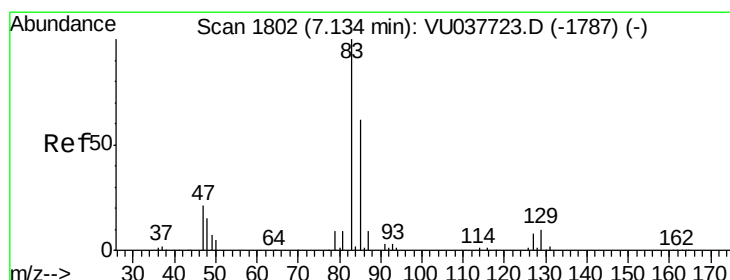
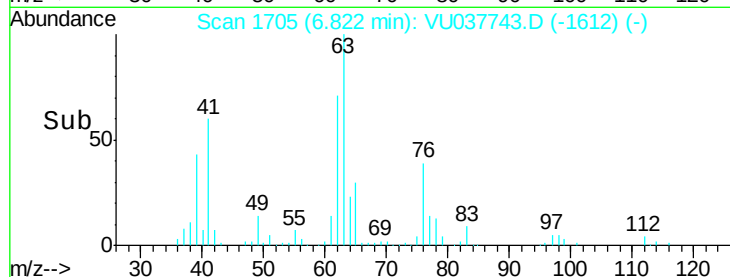
40000

20000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 4.933 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU037743.D

Acq: 15 Apr 2020 19:11

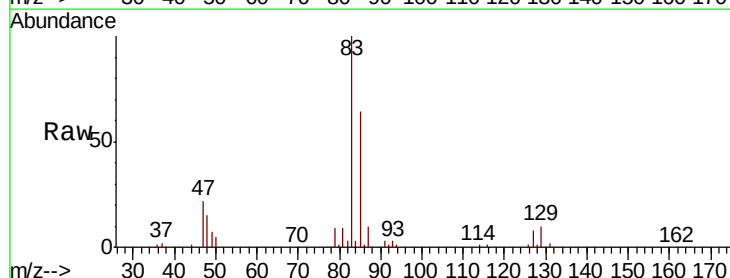
Tgt Ion: 83 Resp: 134164

Ion Ratio Lower Upper

83 100

85 64.0 45.1 83.7

127 7.6 6.6 9.8



Abundance Ion 82.95 (82.65 to 83.65): VU037723.D (-1787) (-)

Ion 85.00 (84.70 to 85.70): VU037723.D (-1787) (-)

Ion 126.90 (126.60 to 127.60): VU037723.D (-1787) (-)

100000

80000

60000

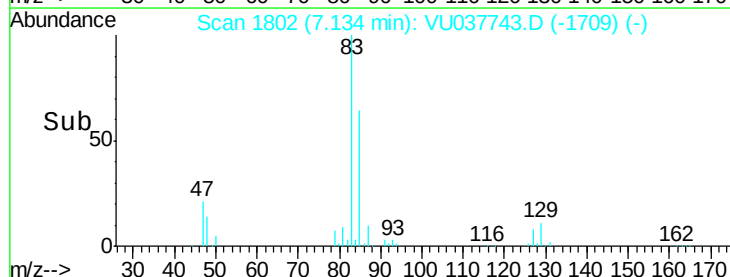
40000

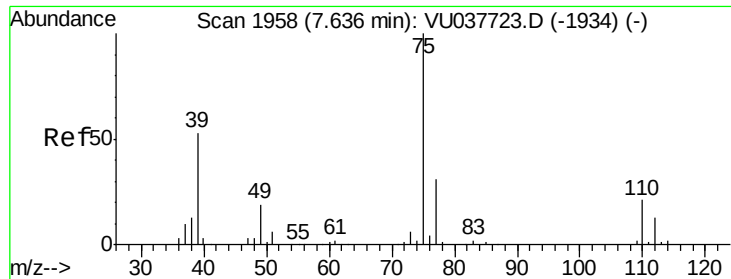
20000

0

7.05 7.10 7.15 7.20

Time-->

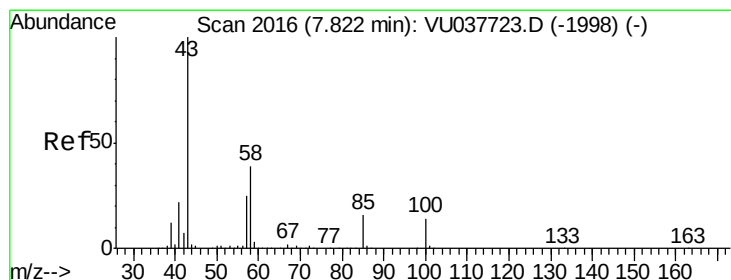
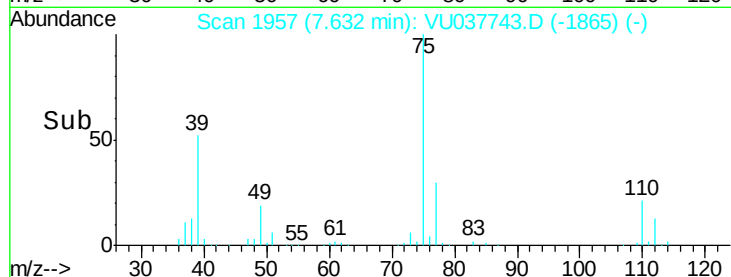
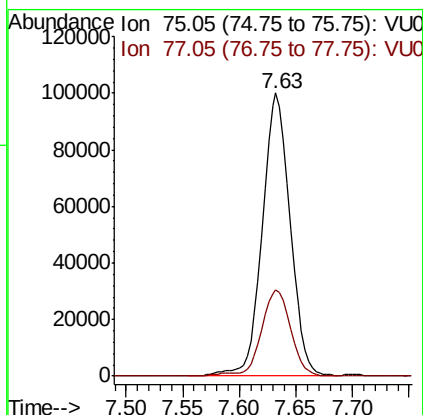
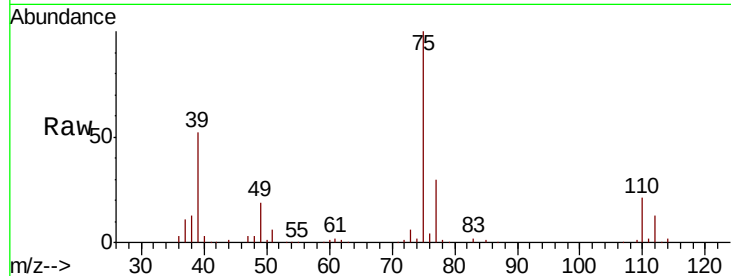




#39
 cis-1,3-Dichloropropene
 Concen: 4.781 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU037743.D
 Acq: 15 Apr 2020 19:11

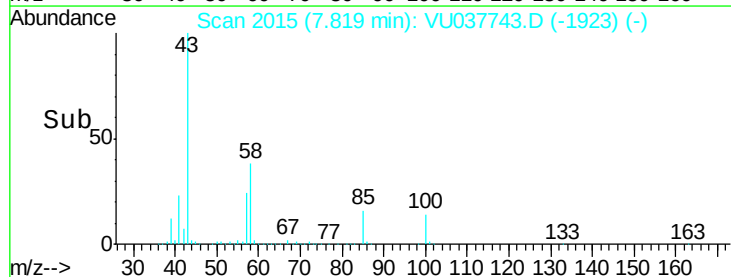
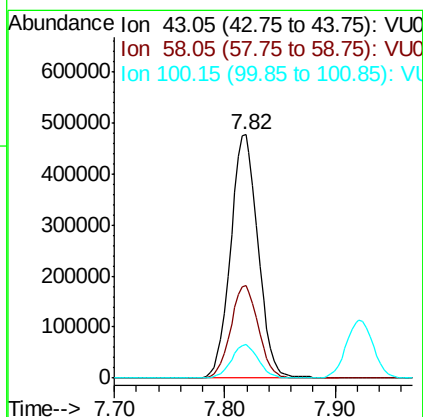
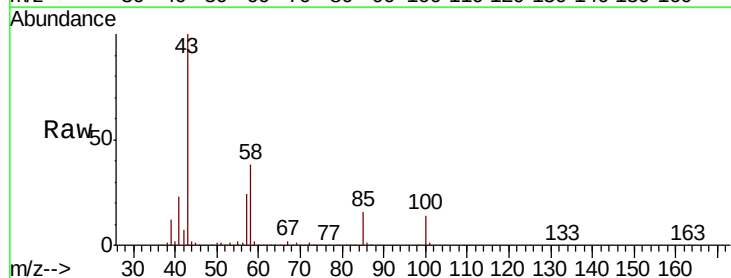
Instrument :
 MSVOA_U
 ClientSampled :

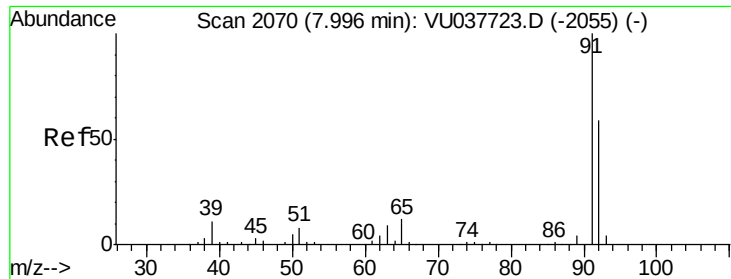
Tot Ion: 75 Resp: 171178
 Ion Ratio Lower Upper
 75 100
 77 30.3 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 48.920 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VU037743.D
 Acq: 15 Apr 2020 19:11

Tgt Ion: 43 Resp: 822617
 Ion Ratio Lower Upper
 43 100
 58 38.4 31.3 46.9
 100 13.6 11.5 17.3





#42

Toluene

Concen: 4.895 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU037743.D

Acq: 15 Apr 2020 19:11

Instrument :

MSVOA_U

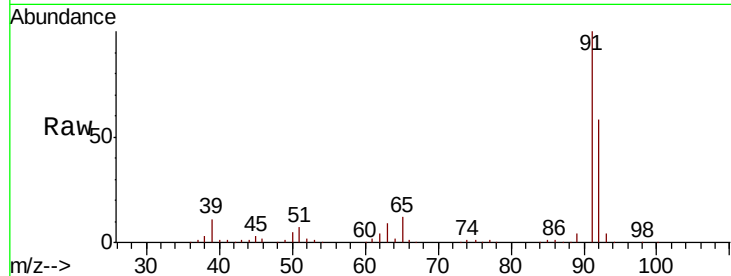
ClientSampled :

Tot Ion: 91 Resp: 442210

Ion Ratio Lower Upper

91 100

92 58.5 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VU037723.D (-2055) (-)

Ion 92.15 (91.85 to 92.85): VU037723.D (-2055) (-)

7.99

250000

200000

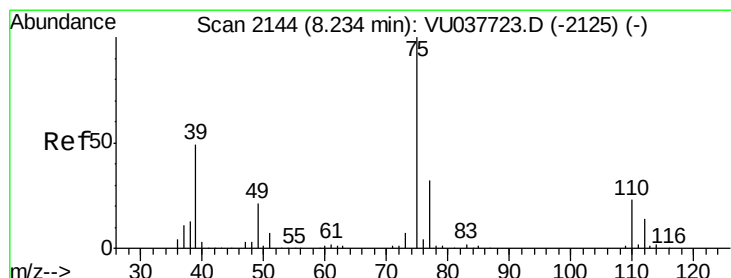
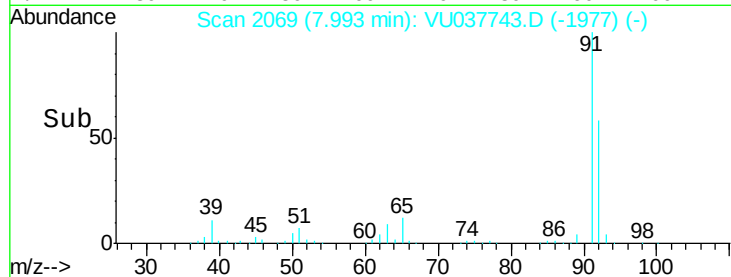
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.795 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037743.D

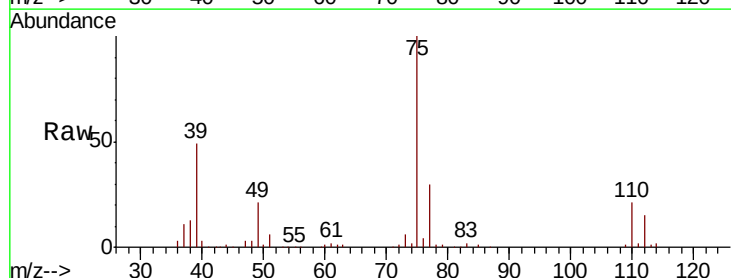
Acq: 15 Apr 2020 19:11

Tgt Ion: 75 Resp: 149031

Ion Ratio Lower Upper

75 100

77 30.4 21.4 39.8



Abundance Ion 75.05 (74.75 to 75.75): VU037723.D (-2125) (-)

Ion 77.05 (76.75 to 77.75): VU037723.D (-2125) (-)

8.23

100000

80000

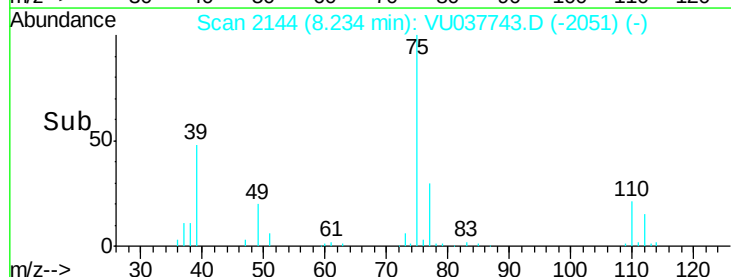
60000

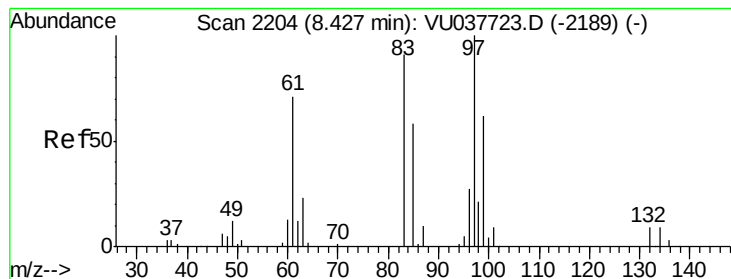
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.793 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. -0.00 min

Lab File: VU037743.D

Acq: 15 Apr 2020 19:11

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 73880

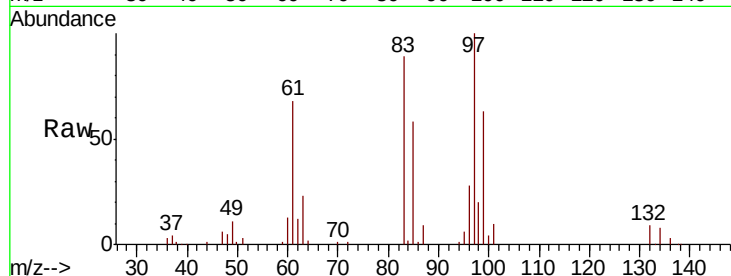
Ion Ratio Lower Upper

97 100

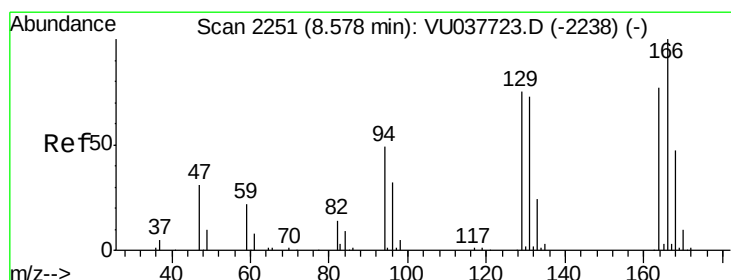
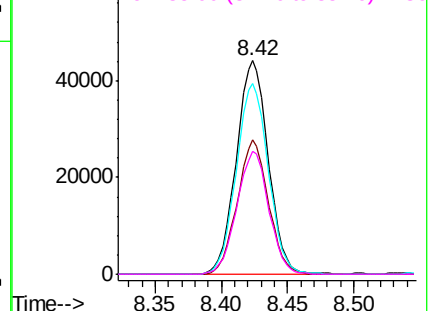
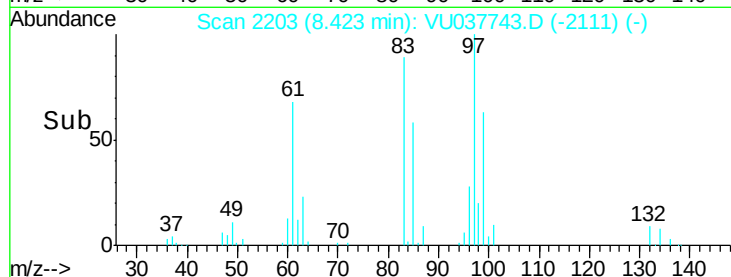
99 62.9 43.1 80.1

83 89.3 62.4 116.0

85 57.6 39.6 73.6



Abundance Ion 96.95 (96.65 to 97.65): VU037743.D (-2111) (-)



#47

Tetrachloroethene

Concen: 4.803 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU037743.D

Acq: 15 Apr 2020 19:11

Tgt Ion: 164 Resp: 73144

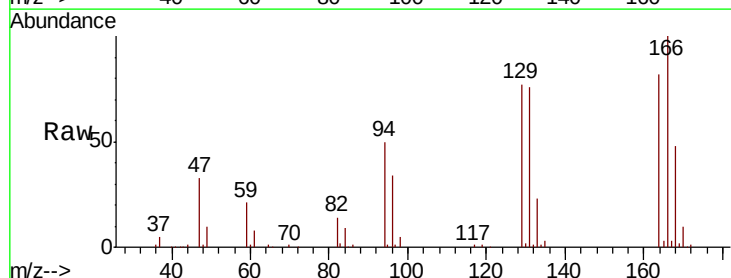
Ion Ratio Lower Upper

164 100

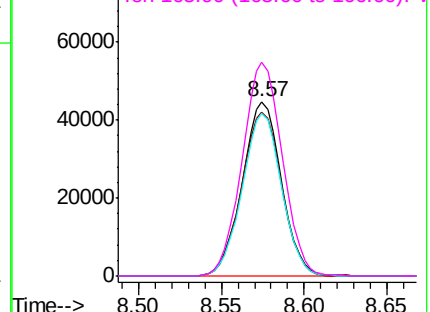
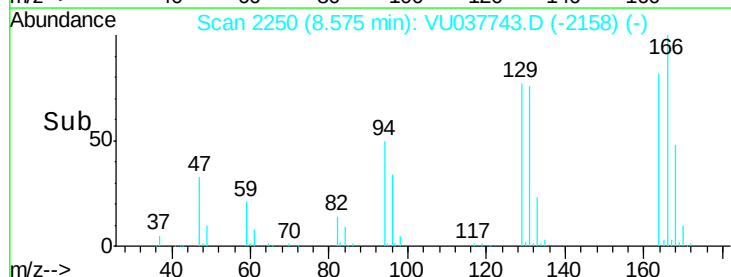
129 94.4 68.1 126.5

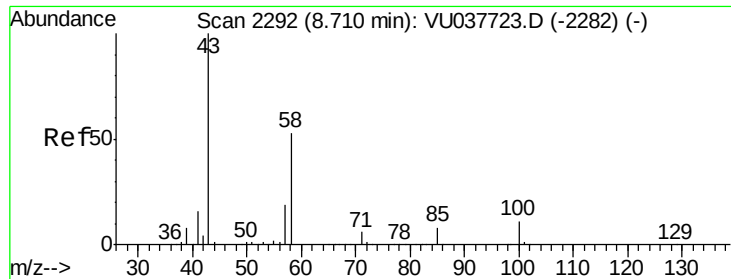
131 93.5 65.9 122.5

166 122.6 89.7 166.7



Abundance Ion 163.90 (163.60 to 164.60): VU037743.D (-2158) (-)

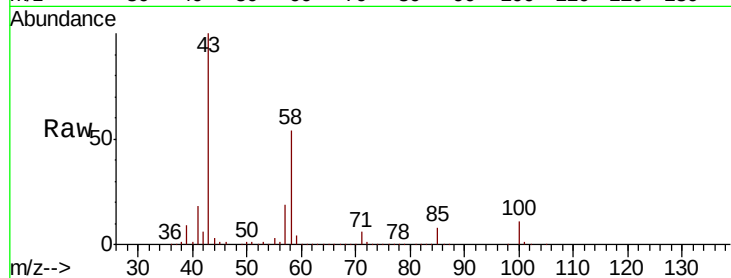




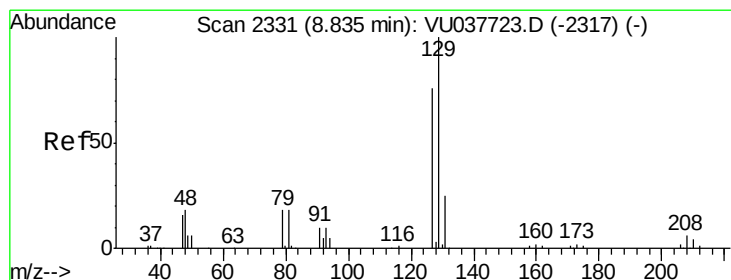
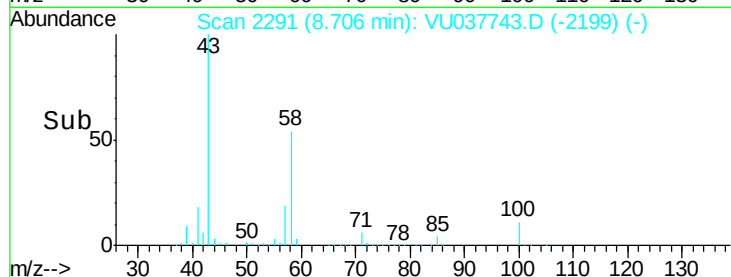
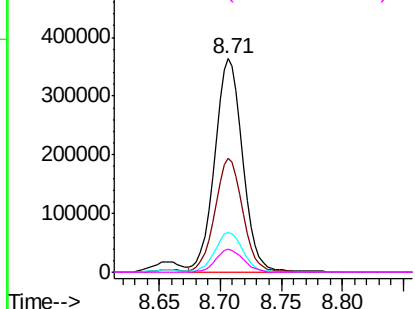
#48
2-Hexanone
Concen: 48.505 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU037743.D
Acq: 15 Apr 2020 19:11

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 583974
Ion Ratio Lower Upper
43 100
58 53.3 43.6 65.4
57 18.7 15.4 23.0
100 10.8 9.1 13.7

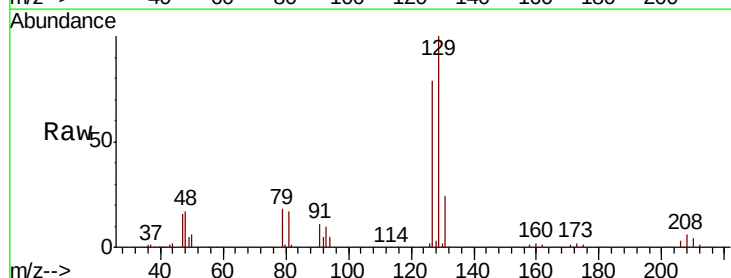


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

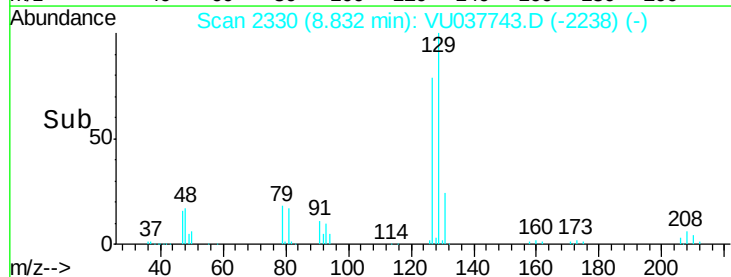
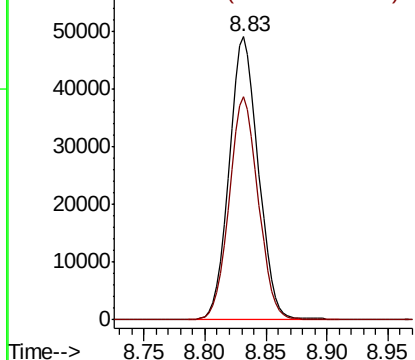


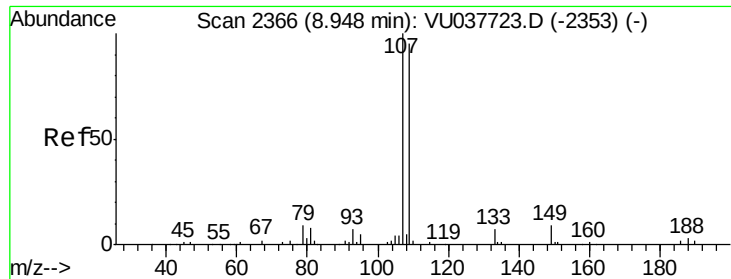
#49
Dibromochloromethane
Concen: 4.643 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU037743.D
Acq: 15 Apr 2020 19:11

Tgt Ion: 129 Resp: 81793
Ion Ratio Lower Upper
129 100
127 78.7 53.3 98.9



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

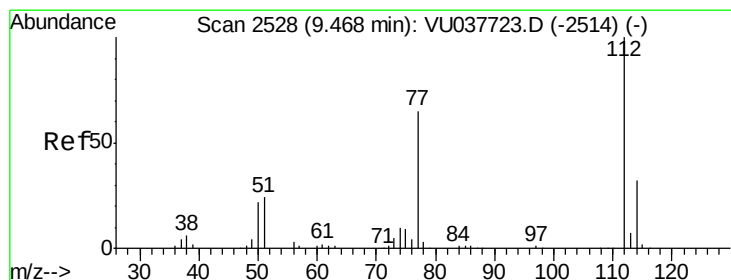
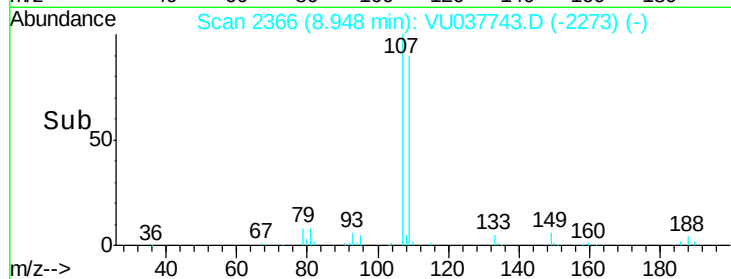
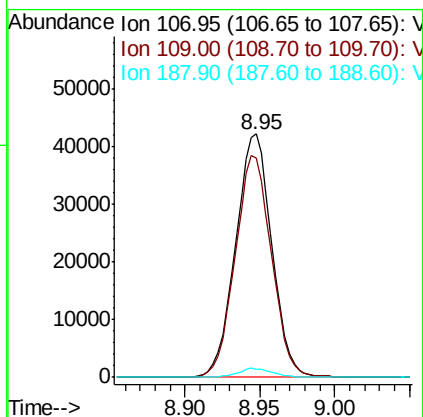
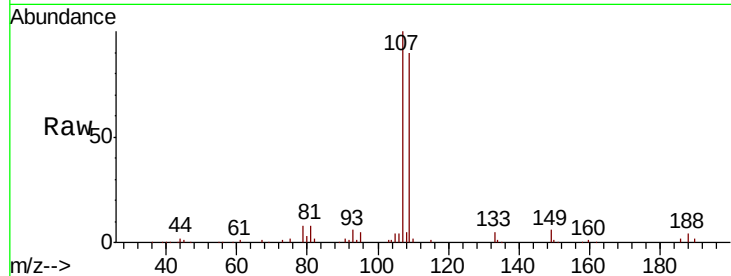




#50
 1,2-Dibromoethane
 Concen: 4.780 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. 0.00 min
 Lab File: VU037743.D
 Acq: 15 Apr 2020 19:11

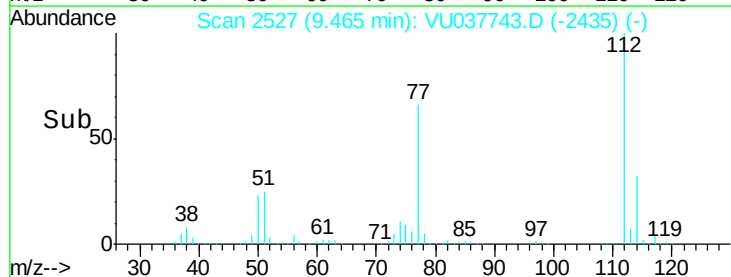
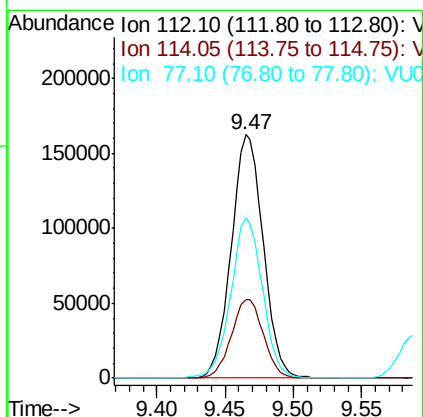
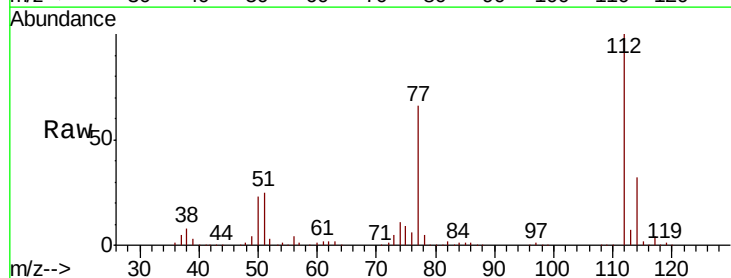
Instrument :
 MSVOA_U
 ClientSampleId :

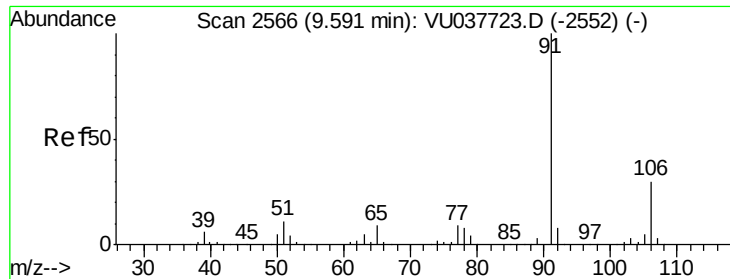
Tot Ion:107 Resp: 70848
 Ion Ratio Lower Upper
 107 100
 109 89.8 66.3 123.1
 188 3.6 2.5 3.7



#51
 Chlorobenzene
 Concen: 4.794 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: VU037743.D
 Acq: 15 Apr 2020 19:11

Tgt Ion:112 Resp: 264252
 Ion Ratio Lower Upper
 112 100
 114 32.5 22.6 42.0
 77 65.8 50.2 75.4





#52

Ethylbenzene

Concen: 4.943 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU037743.D

Acq: 15 Apr 2020 19:11

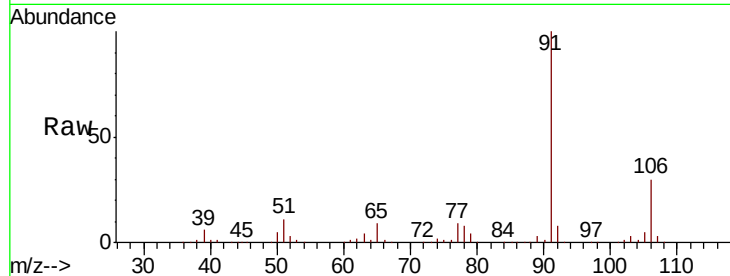
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 496803

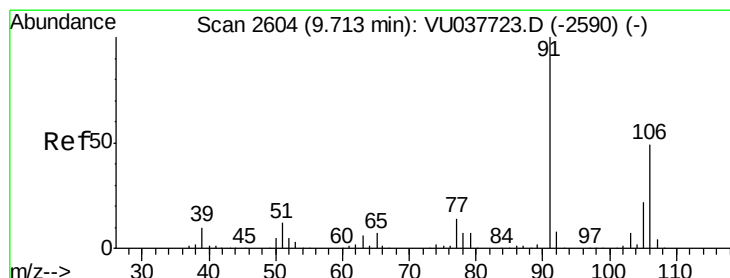
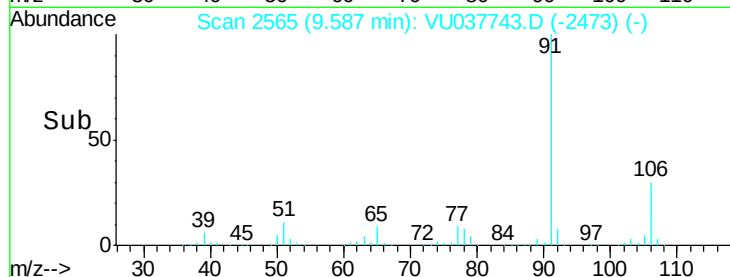
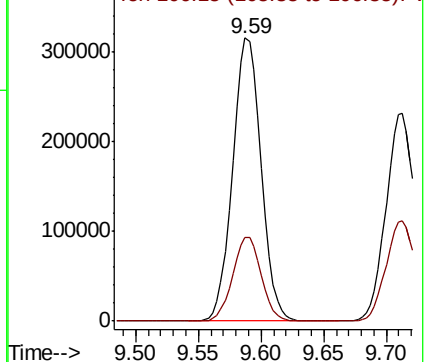
Ion Ratio Lower Upper

91 100

106 29.6 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VU037723.D (-2552) (-)



#53

m,p-Xylene

Concen: 4.911 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037743.D

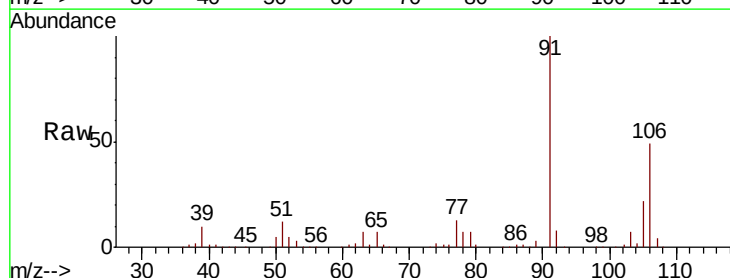
Acq: 15 Apr 2020 19:11

Tgt Ion: 106 Resp: 186795

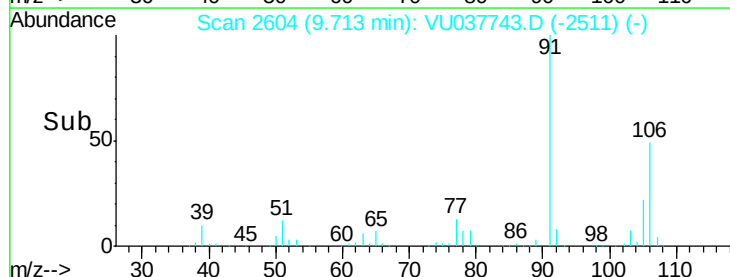
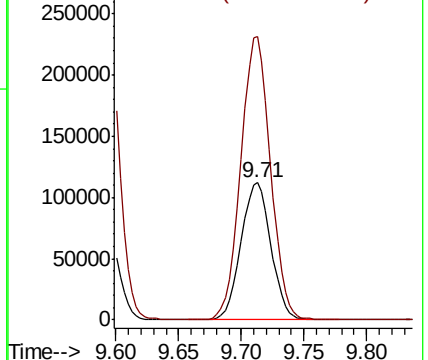
Ion Ratio Lower Upper

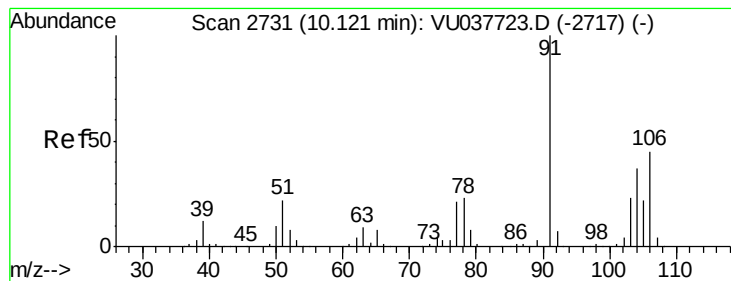
106 100

91 206.1 143.9 267.3



Abundance Ion 106.15 (105.85 to 106.85): VU037723.D (-2590) (-)





#54

o-Xylene

Concen: 4.855 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VU037743.D

Acq: 15 Apr 2020 19:11

Instrument :

MSVOA_U

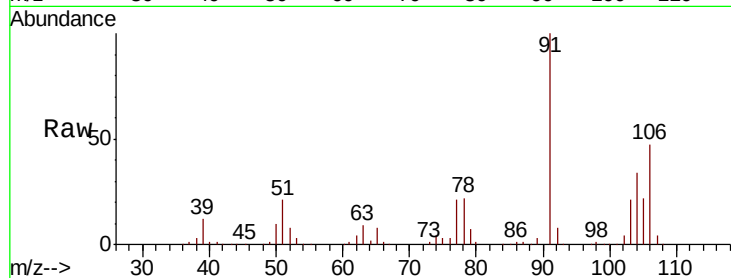
ClientSampleId :

Tot Ion:106 Resp: 181769

Ion Ratio Lower Upper

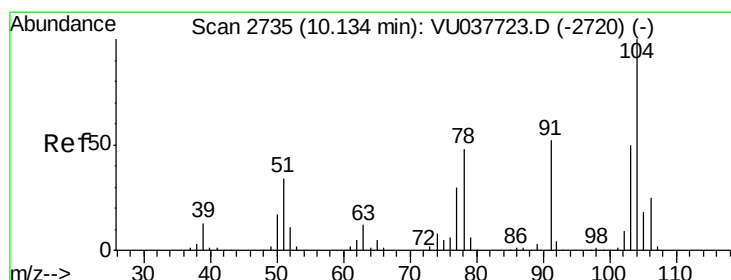
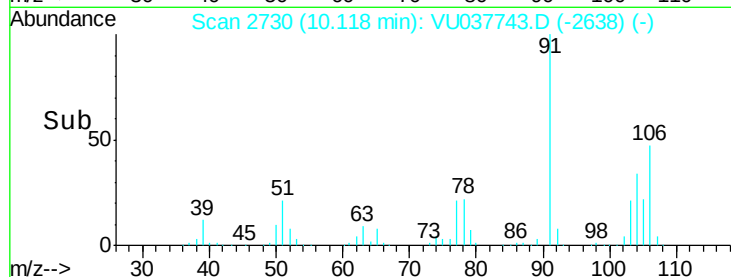
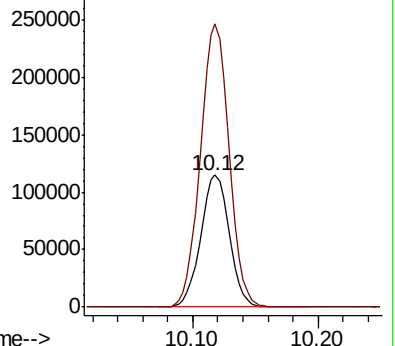
106 100

91 214.2 151.1 280.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 4.811 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU037743.D

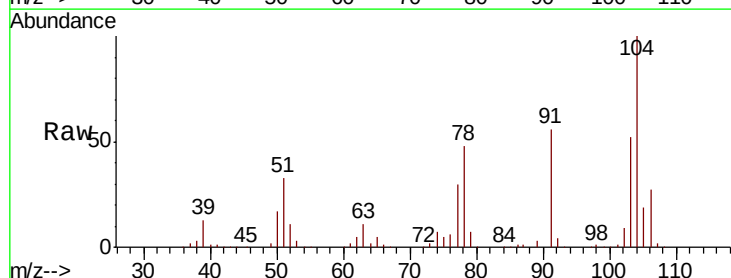
Acq: 15 Apr 2020 19:11

Tgt Ion:104 Resp: 307860

Ion Ratio Lower Upper

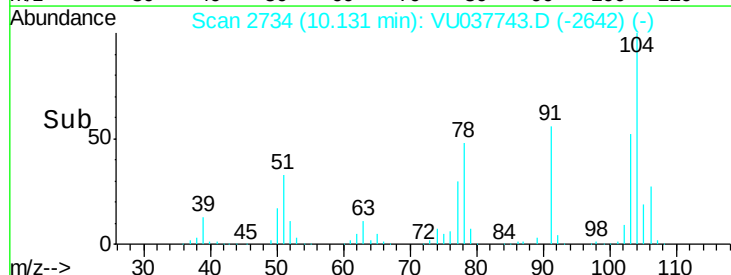
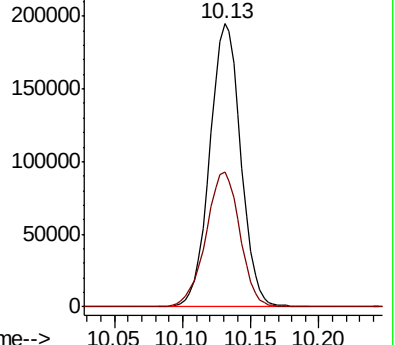
104 100

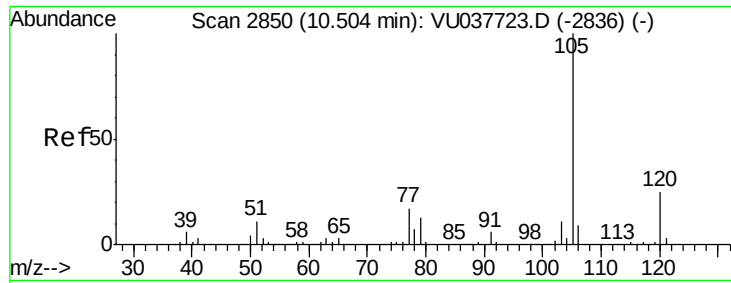
78 47.6 32.5 60.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.930 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU037743.D

Acq: 15 Apr 2020 19:11

Instrument :

MSVOA_U

ClientSampleId :

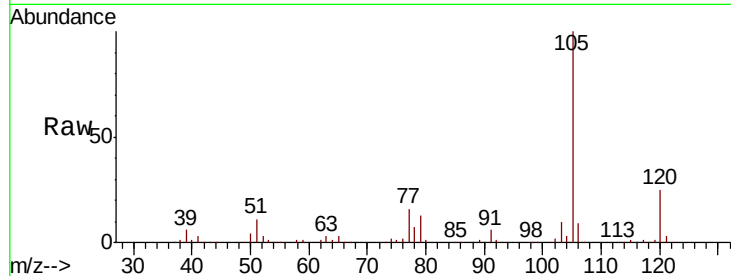
Tot Ion:105 Resp: 484137

Ion Ratio Lower Upper

105 100

120 24.9 20.6 31.0

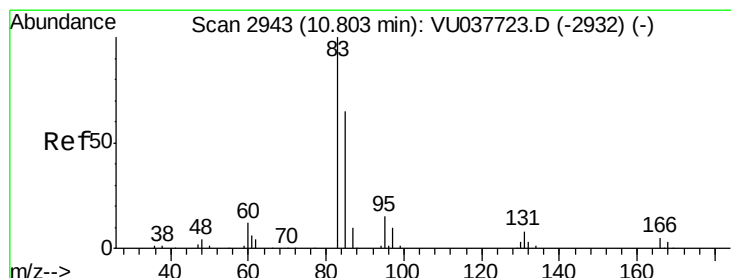
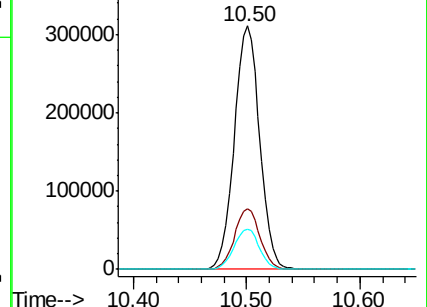
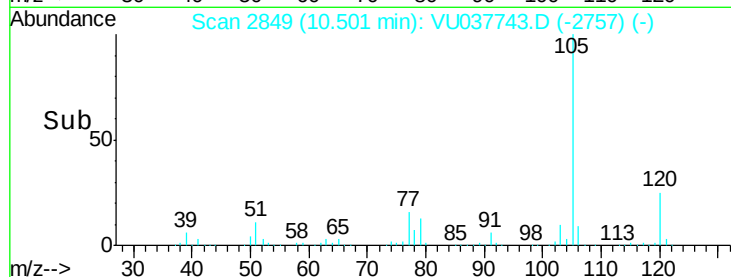
77 16.6 13.2 19.8



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: 4.800 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. -0.00 min

Lab File: VU037743.D

Acq: 15 Apr 2020 19:11

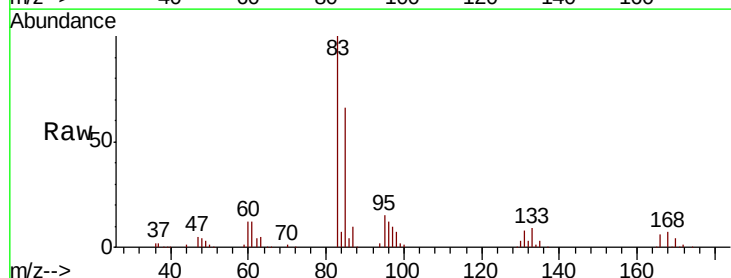
Tgt Ion: 83 Resp: 96300

Ion Ratio Lower Upper

83 100

85 65.7 45.3 84.1

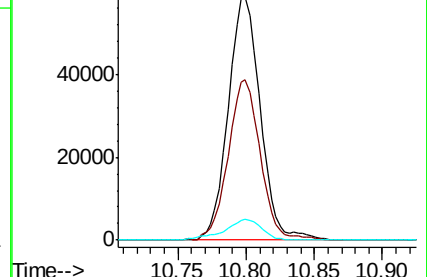
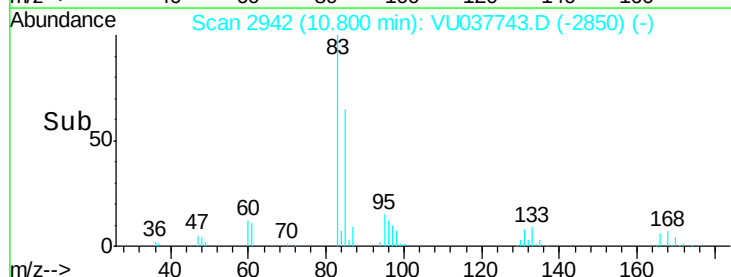
131 8.3 7.4 11.2

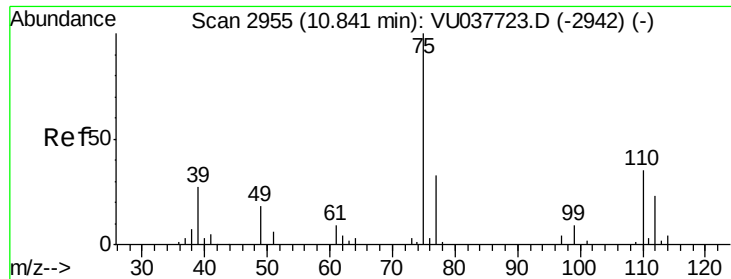


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

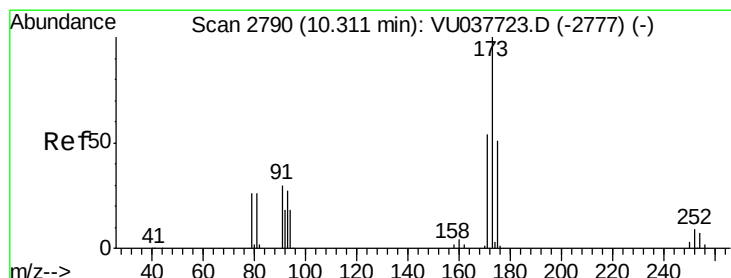
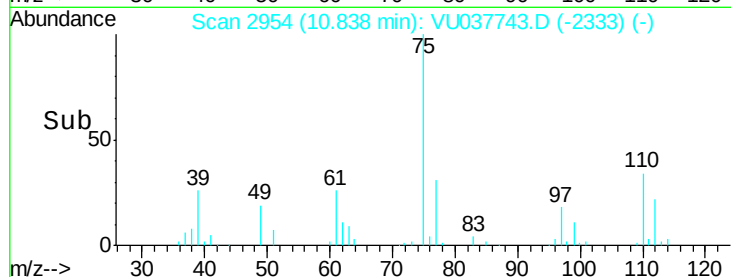
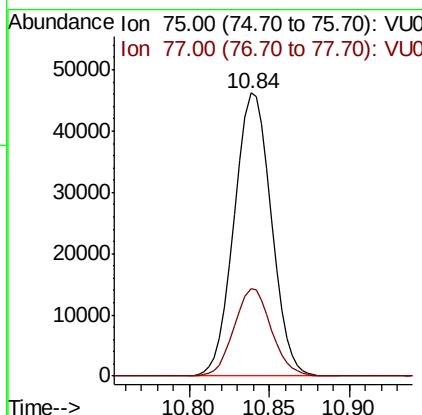
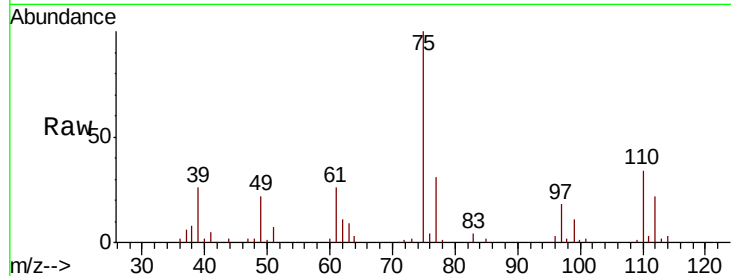




#59
 1,2,3-Trichloropropane
 Concen: 4.887 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. -0.00 min
 Lab File: VU037743.D
 Acq: 15 Apr 2020 19:11

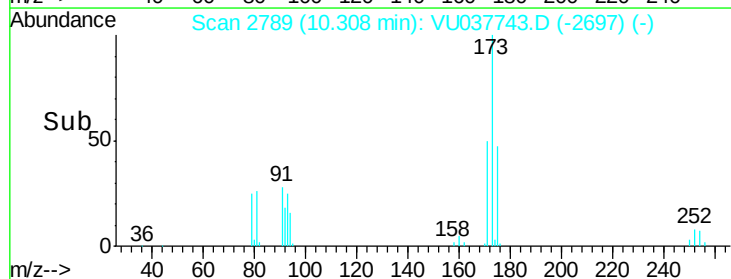
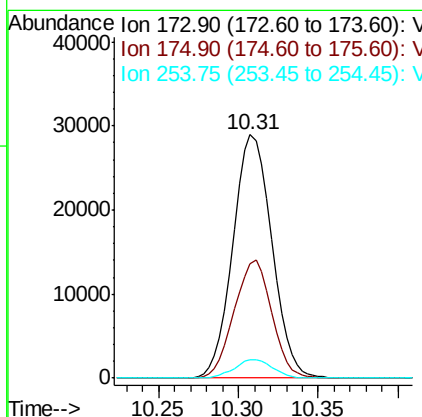
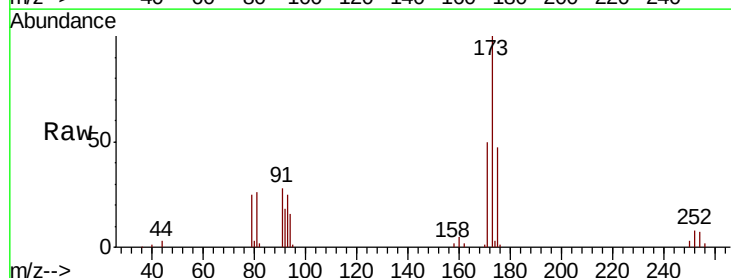
Instrument :
 MSVOA_U
 ClientSampleId :

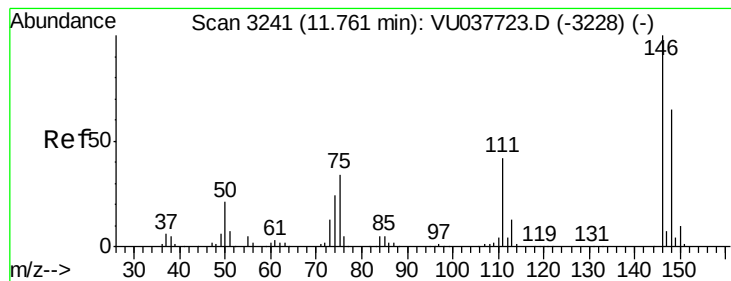
Tot Ion: 75 Resp: 73150
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.4 38.2



#61
 Bromoform
 Concen: 4.635 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. -0.00 min
 Lab File: VU037743.D
 Acq: 15 Apr 2020 19:11

Tgt Ion: 173 Resp: 48027
 Ion Ratio Lower Upper
 173 100
 175 46.7 37.6 56.4
 254 7.3 5.8 8.8





#62

1,3-Dichlorobenzene

Concen: 4.735 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. -0.00 min

Lab File: VU037743.D

Acq: 15 Apr 2020 19:11

Instrument :

MSVOA_U

ClientSampleId :

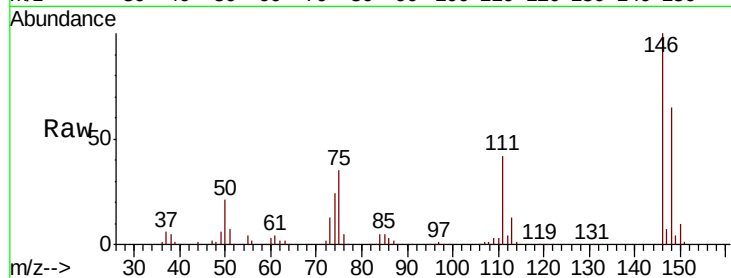
Tot Ion:146 Resp: 206800

Ion Ratio Lower Upper

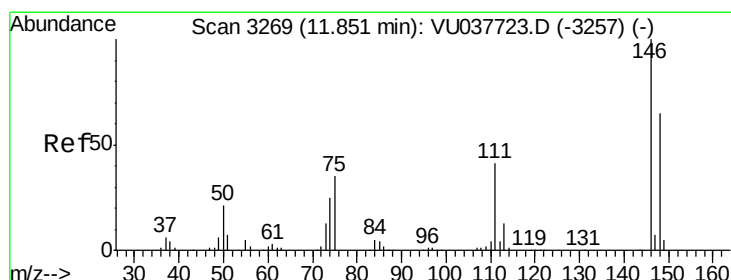
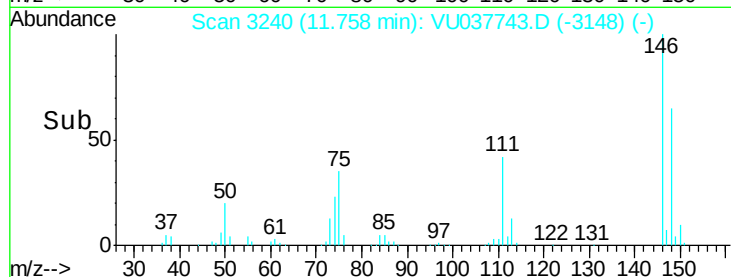
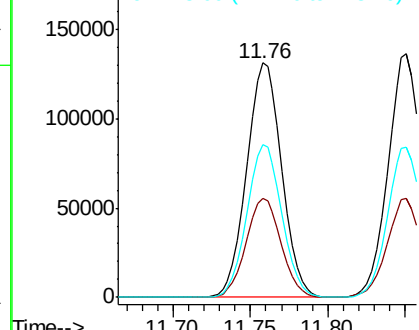
146 100

111 42.3 29.8 55.3

148 65.3 44.5 82.7



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.750 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU037743.D

Acq: 15 Apr 2020 19:11

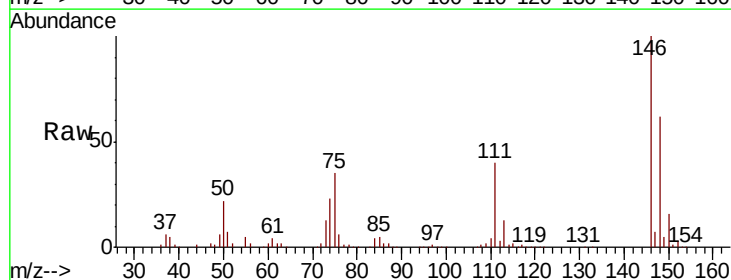
Tgt Ion:146 Resp: 208076

Ion Ratio Lower Upper

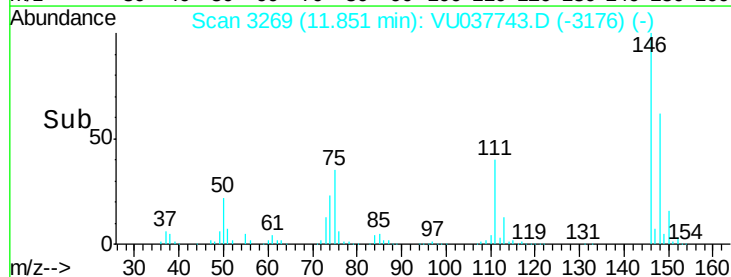
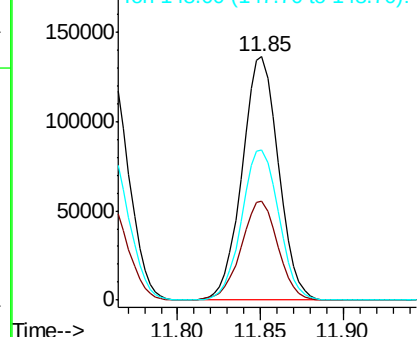
146 100

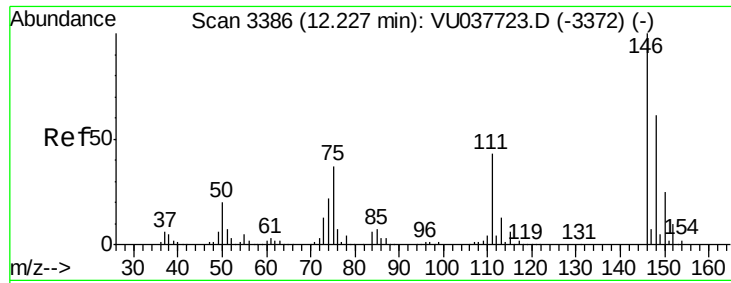
111 40.4 28.4 52.8

148 61.7 44.9 83.3



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

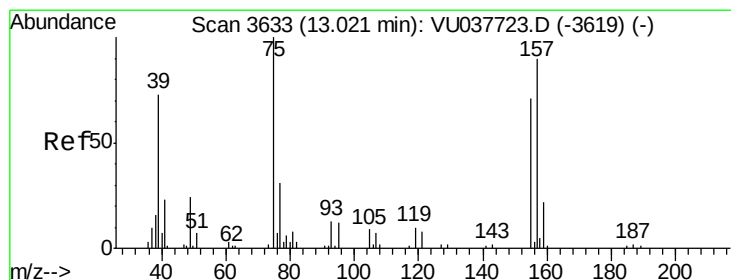
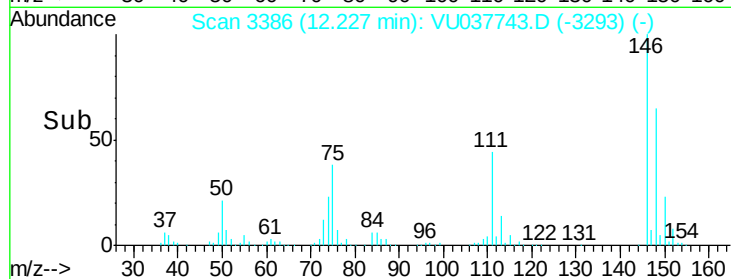
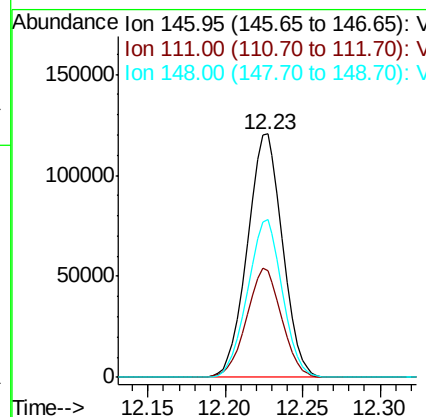
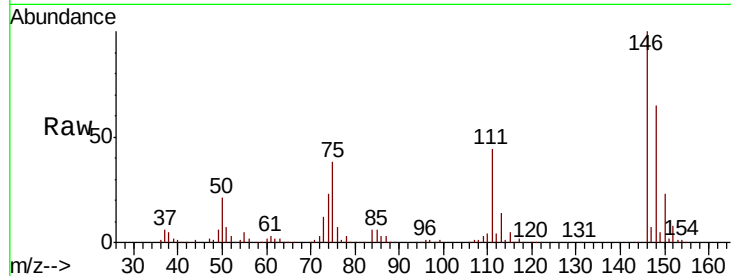




#65
 1,2-Dichlorobenzene
 Concen: 4.635 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU037743.D
 Acq: 15 Apr 2020 19:11

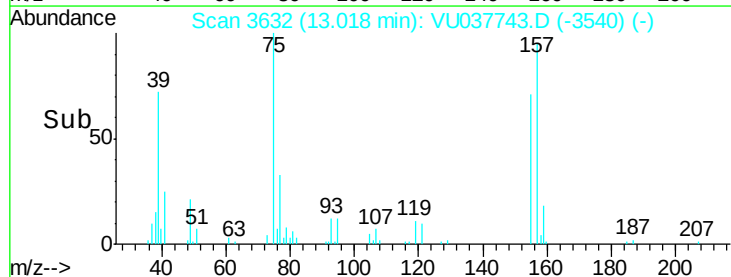
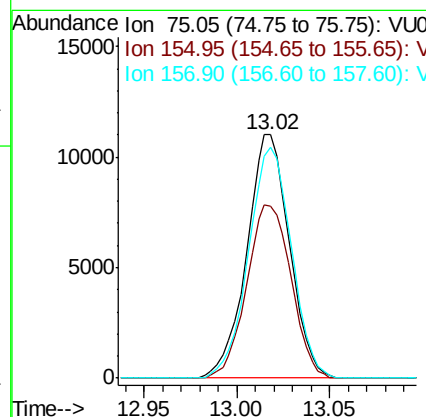
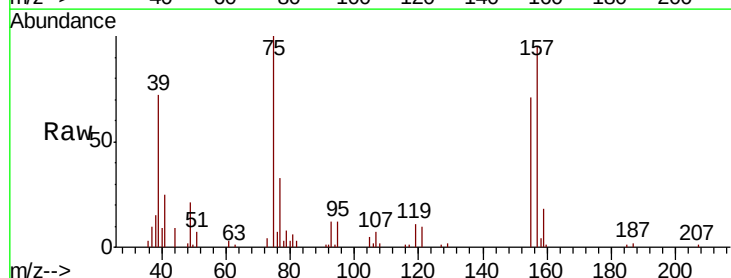
Instrument :
 MSVOA_U
 ClientSampleId :

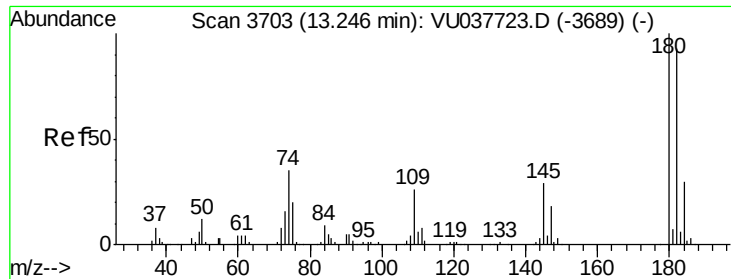
Tot Ion:146 Resp: 190551
 Ion Ratio Lower Upper
 146 100
 111 44.1 35.0 52.6
 148 64.6 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.609 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. -0.00 min
 Lab File: VU037743.D
 Acq: 15 Apr 2020 19:11

Tgt Ion: 75 Resp: 17565
 Ion Ratio Lower Upper
 75 100
 155 70.5 57.9 86.9
 157 94.8 79.8 119.8

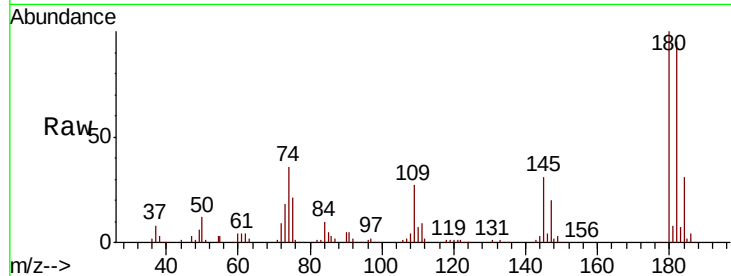




#67
 1,3,5-Trichlorobenzene
 Concen: 4.736 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.01 min
 Lab File: VU037743.D
 Acq: 15 Apr 2020 19:11

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.1	115.7
184	31.0	24.7	37.1
145	30.7	24.6	37.0

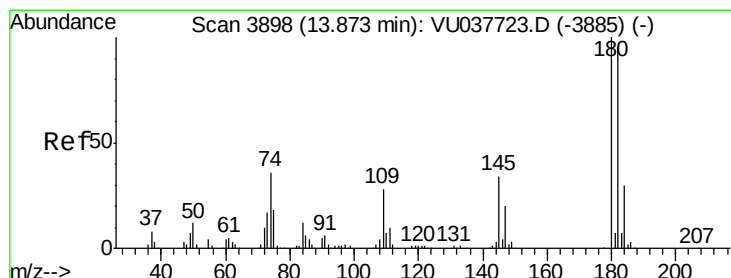
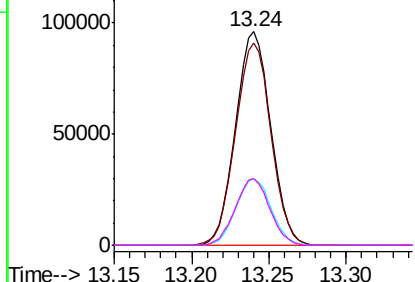
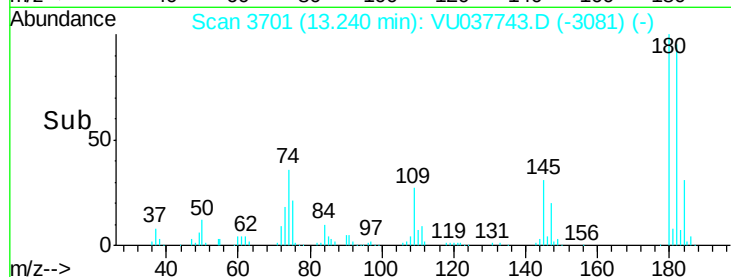


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

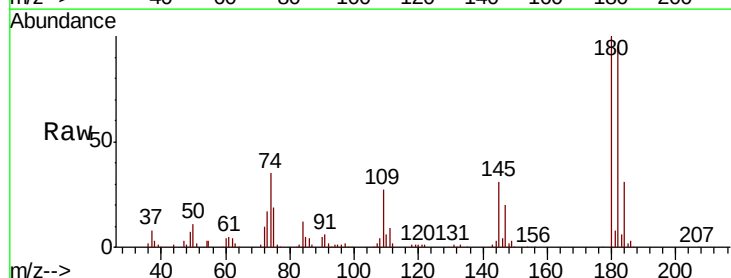
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.717 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.01 min
 Lab File: VU037743.D
 Acq: 15 Apr 2020 19:11

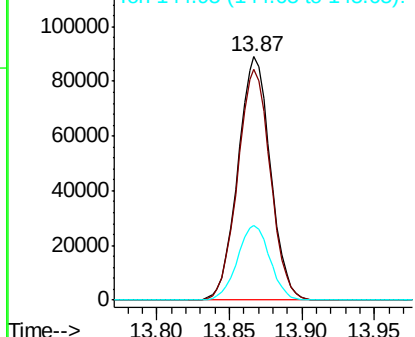
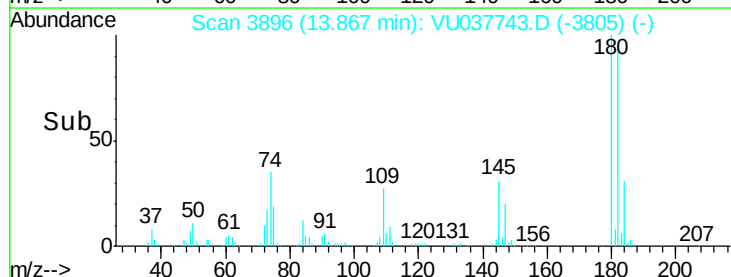
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.4	114.6
145	30.7	25.1	37.7

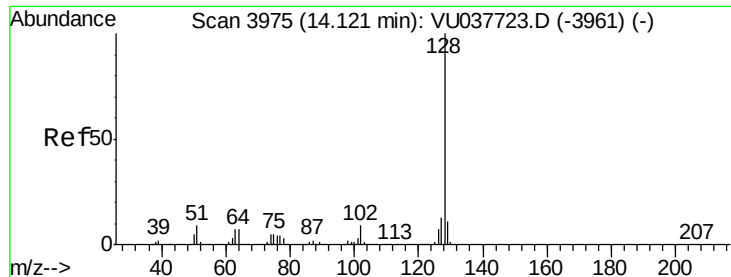


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.558 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VU037743.D

Acq: 15 Apr 2020 19:11

Instrument :

MSVOA_U

ClientSampleId :

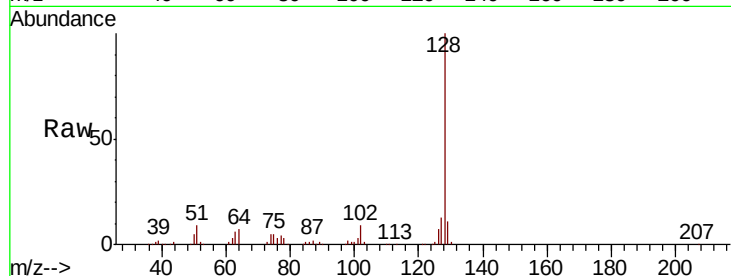
Tot Ion:128 Resp: 271353

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

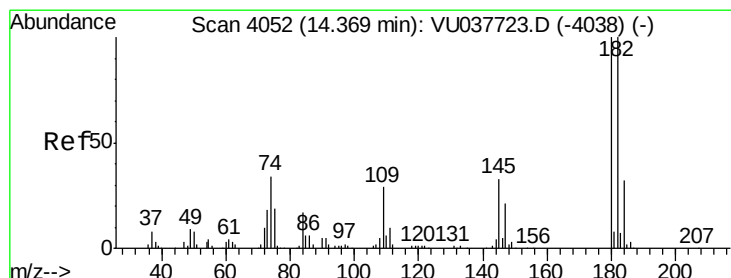
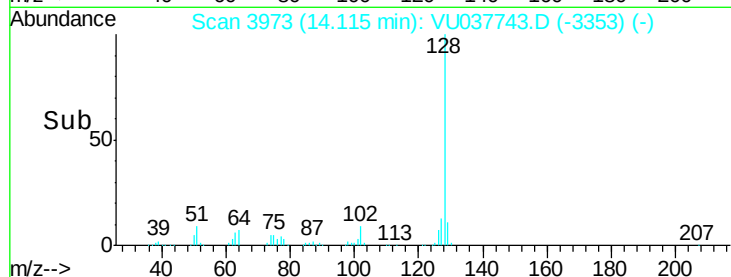
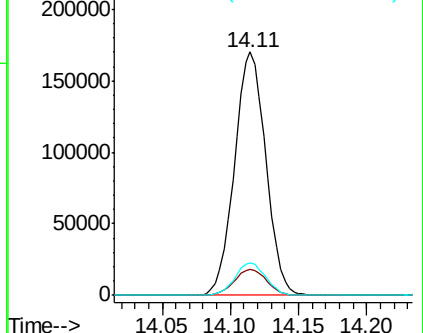
127 13.2 10.4 15.6



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: 4.752 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. -0.01 min

Lab File: VU037743.D

Acq: 15 Apr 2020 19:11

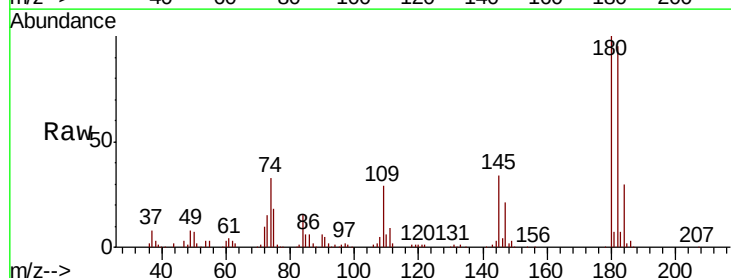
Tgt Ion:180 Resp: 124476

Ion Ratio Lower Upper

180 100

182 94.7 76.6 115.0

145 33.6 26.7 40.1



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

