

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041420\
 Data File : VU037699.D
 Acq On : 14 Apr 2020 14:41
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 14 15:25:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 14 15:15:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	344168	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	330030	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	164055	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	126572	4.86	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.20%
7) Chloroethane-d5	1.93	69	105015	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.60%
11) 1,1-Dichloroethene-d2	2.59	63	231402	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.00%
20) 2-Butanone-d5	4.66	46	346094	48.39	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.78%
24) Chloroform-d	5.10	84	206147	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	5.74	65	112860	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	5.76	84	426771	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.72	67	139913	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.40%
41) Toluene-d8	7.93	98	393016	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
43) trans-1,3-Dichloropropene-	8.20	79	61997	4.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.00%
46) 2-Hexanone-d5	8.66	63	316869	47.49	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.98%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	108318	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	12.21	152	141175	4.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	167426	5.608	ug/L 100
3) Chloromethane	1.53	50	187907	5.090	ug/L 99
5) Vinyl chloride	1.62	62	192602	5.311	ug/L 98
6) Bromomethane	1.87	94	107902	5.182	ug/L 99
8) Chloroethane	1.95	64	113267	5.319	ug/L 97
9) Trichlorofluoromethane	2.16	101	208495	5.358	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	129470	5.714	ug/L 99
12) 1,1-Dichloroethene	2.60	96	127365	5.363	ug/L 96
13) Acetone	2.65	43	243963	51.733	ug/L 100
14) Carbon disulfide	2.82	76	456404	5.263	ug/L 99
15) Methyl Acetate	2.98	43	67363	5.138	ug/L 100
16) Methylene chloride	3.08	84	138491	5.172	ug/L 99
17) Methyl tert-butyl Ether	3.40	73	366688	5.332	ug/L 100
18) trans-1,2-Dichloroethene	3.39	96	139415	5.414	ug/L 96
19) 1,1-Dichloroethane	3.91	63	264859	5.318	ug/L 99
21) 2-Butanone	4.74	43	451840	52.735	ug/L 99
22) cis-1,2-Dichloroethene	4.71	96	146209	5.255	ug/L 99

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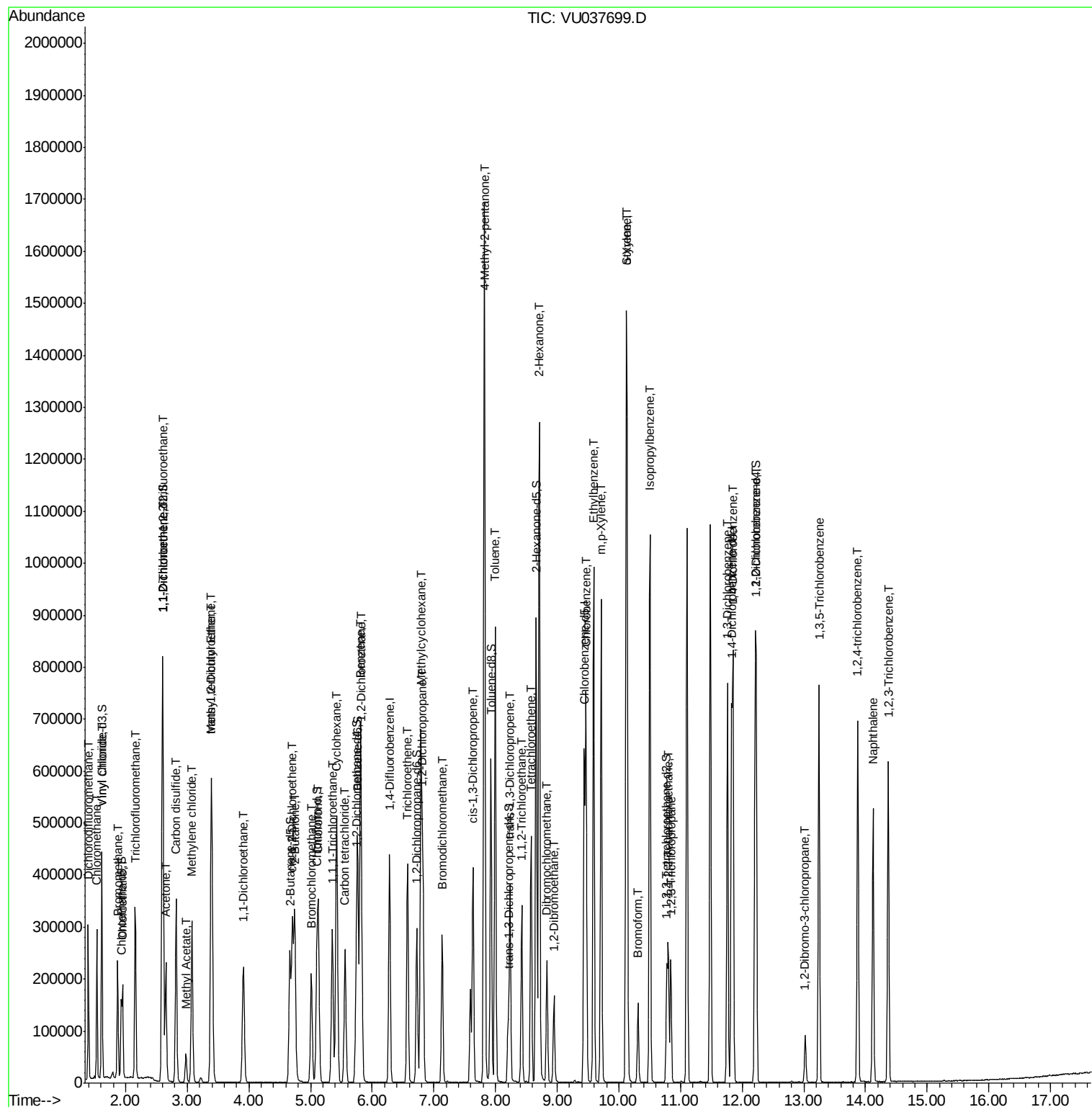
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	61351	5.203	ug/L	98
25) Chloroform	5.13	83	244452	5.167	ug/L	98
27) 1,2-Dichloroethane	5.83	62	168380	5.265	ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	213354	5.328	ug/L	99
30) Cyclohexane	5.42	56	274746	5.543	ug/L	99
31) Carbon tetrachloride	5.56	117	171347	5.370	ug/L	100
33) Benzene	5.81	78	579593	5.315	ug/L	100
34) Trichloroethene	6.57	95	143334	5.349	ug/L	97
35) Methylcyclohexane	6.79	83	266742	5.680	ug/L	99
37) 1,2-Dichloropropane	6.82	63	152671	5.279	ug/L	100
38) Bromodichloromethane	7.13	83	182357	5.303	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	240981	5.323	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	1112317	52.317	ug/L	100
42) Toluene	8.00	91	609171	5.333	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	205740	5.235	ug/L	96
45) 1,1,2-Trichloroethane	8.42	97	102181	5.243	ug/L	98
47) Tetrachloroethene	8.58	164	104444	5.424	ug/L	99
48) 2-Hexanone	8.71	43	802630	52.727	ug/L	100
49) Dibromochloromethane	8.84	129	117445	5.273	ug/L	99
50) 1,2-Dibromoethane	8.95	107	98676	5.266	ug/L	99
51) Chlorobenzene	9.47	112	370636	5.318	ug/L	99
52) Ethylbenzene	9.59	91	690720	5.436	ug/L	98
53) m,p-Xylene	9.71	106	260921	5.425	ug/L	100
54) o-Xylene	10.12	106	254138	5.369	ug/L	99
55) Styrene	10.13	104	437891	5.412	ug/L	98
56) Isopropylbenzene	10.50	105	673598	5.425	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	130733	5.153	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	99710	5.268	ug/L	99
61) Bromoform	10.31	173	68413	5.248	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	299451	5.450	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	297776	5.404	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	277339	5.362	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	25364	5.290	ug/L	94
67) 1,3,5-Trichlorobenzene	13.25	180	227607	5.649	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	209255	5.658	ug/L	100
69) Naphthalene	14.12	128	411805	5.498	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	182832	5.548	ug/L	99

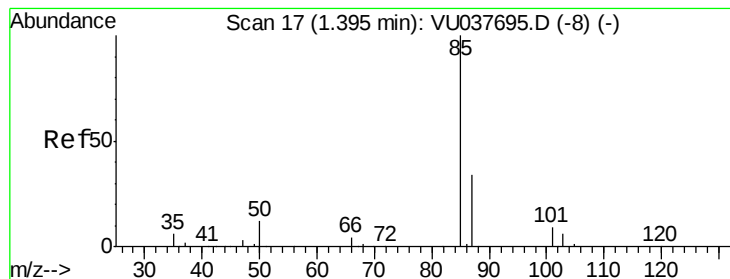
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.608 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037699.D

Acq: 14 Apr 2020 14:41

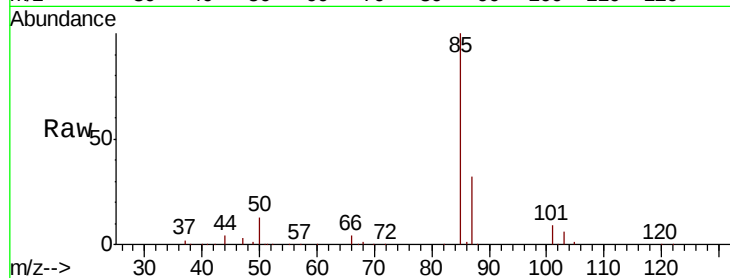
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 167426

Ion Ratio Lower Upper

85 100

87 32.5 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU037699.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU037699.D (-8) (-)

1.39

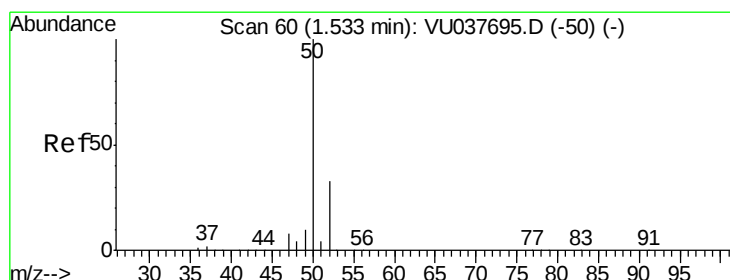
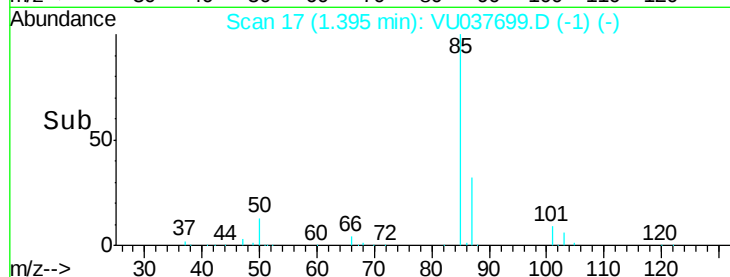
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 5.090 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU037699.D

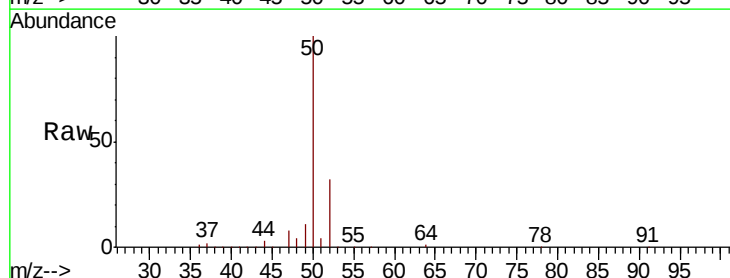
Acq: 14 Apr 2020 14:41

Tgt Ion: 50 Resp: 187907

Ion Ratio Lower Upper

50 100

52 32.3 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU037699.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU037699.D (-50) (-)

1.53

200000

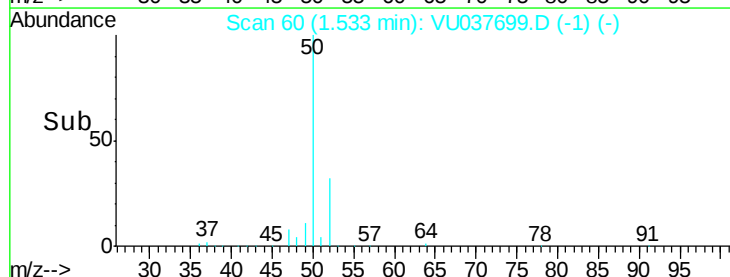
150000

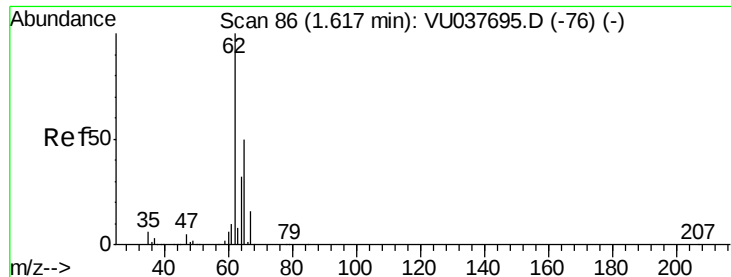
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 5.311 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037699.D

Acq: 14 Apr 2020 14:41

Instrument :

MSVOA_U

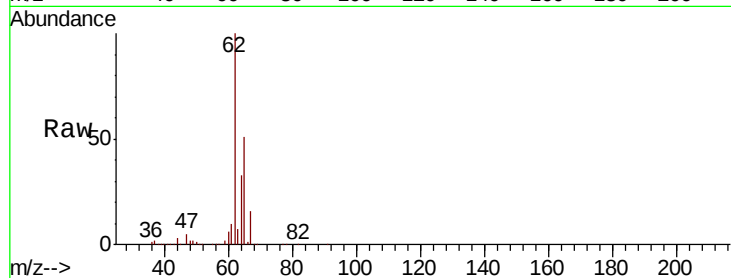
ClientSampleId :

Tot Ion: 62 Resp: 192602

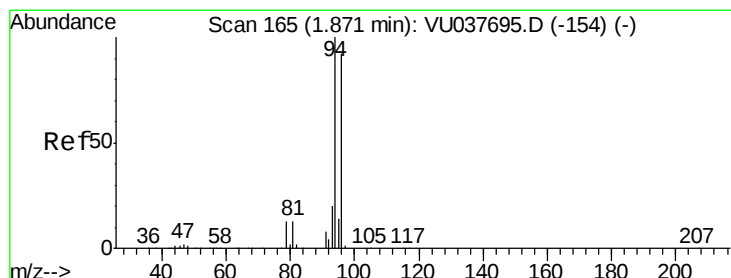
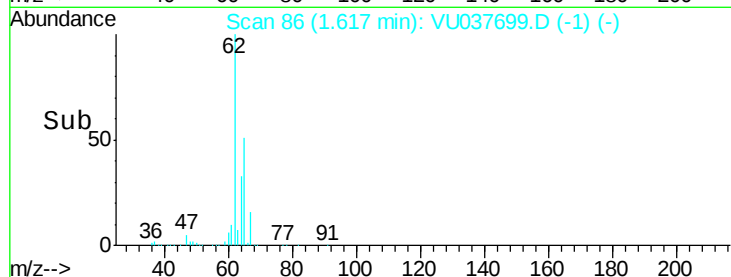
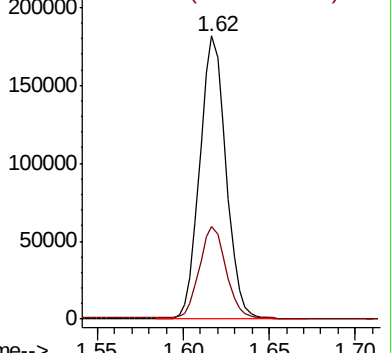
Ion Ratio Lower Upper

62 100

64 32.9 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VU037699.D (-1) (-)



#6

Bromomethane

Concen: 5.182 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU037699.D

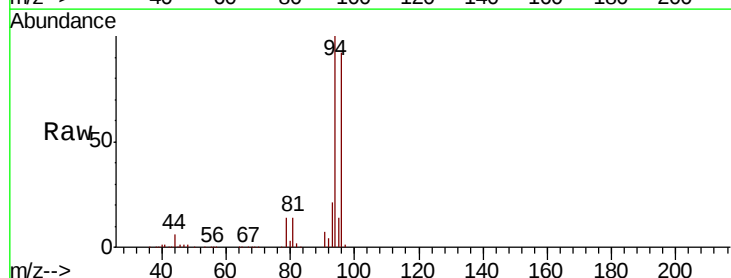
Acq: 14 Apr 2020 14:41

Tgt Ion: 94 Resp: 107902

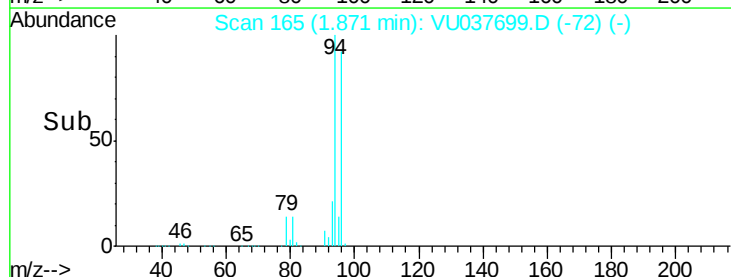
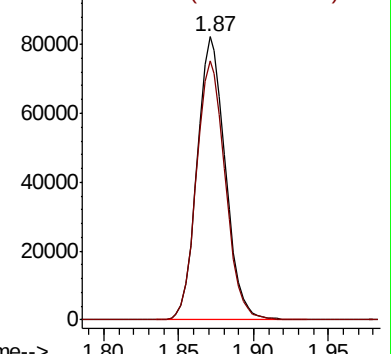
Ion Ratio Lower Upper

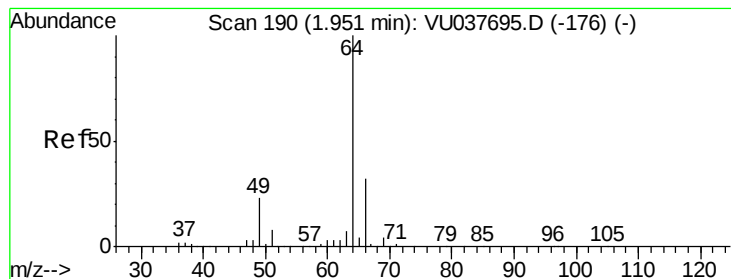
94 100

96 91.5 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VU037699.D (-72) (-)





#8

Chloroethane

Concen: 5.319 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU037699.D

Acq: 14 Apr 2020 14:41

Instrument :

MSVOA_U

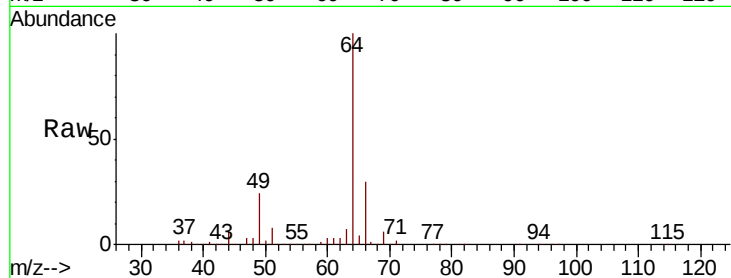
ClientSampleId :

Tot Ion: 64 Resp: 113267

Ion Ratio Lower Upper

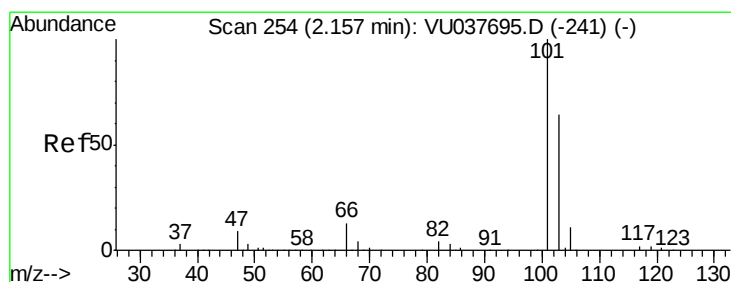
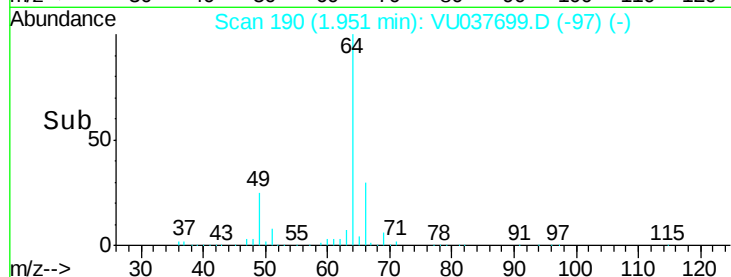
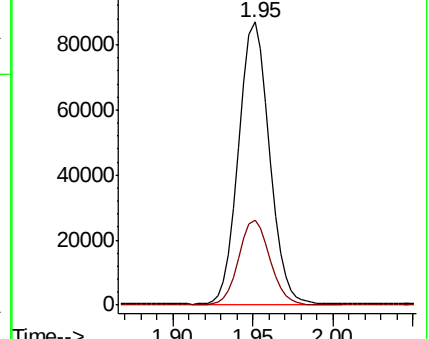
64 100

66 30.2 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VU037699.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU037699.D (-176) (-)



#9

Trichlorofluoromethane

Concen: 5.358 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU037699.D

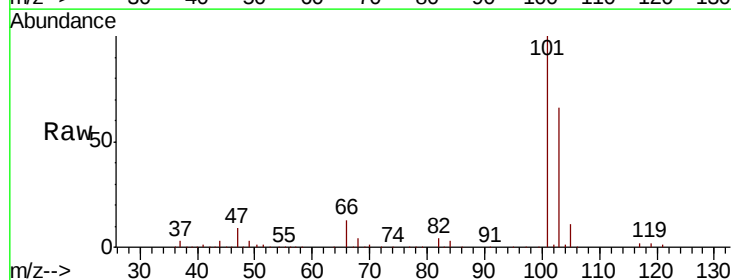
Acq: 14 Apr 2020 14:41

Tgt Ion:101 Resp: 208495

Ion Ratio Lower Upper

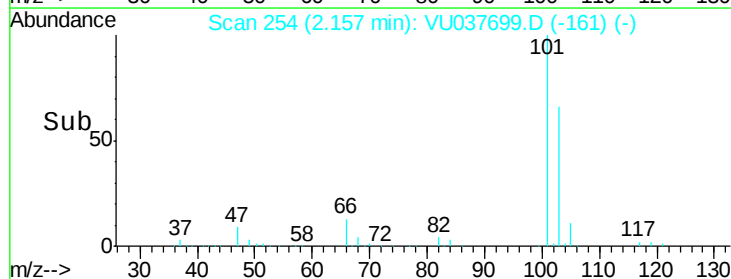
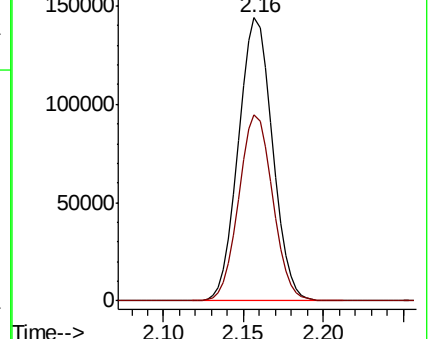
101 100

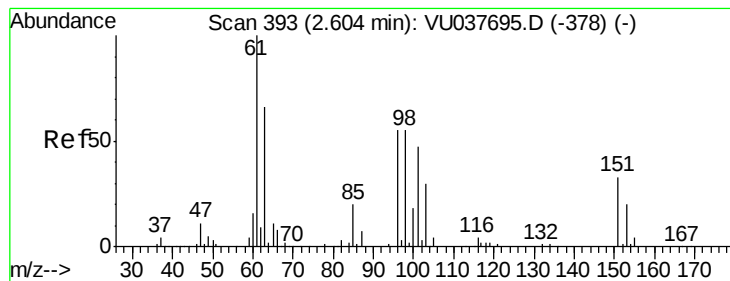
103 65.4 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): VU037699.D (-241) (-)

Ion 103.00 (102.70 to 103.70): VU037699.D (-241) (-)





#10

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

Concen: 5.714 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037699.D

Acq: 14 Apr 2020 14:41

Instrument :

MSVOA_U

ClientSampled :

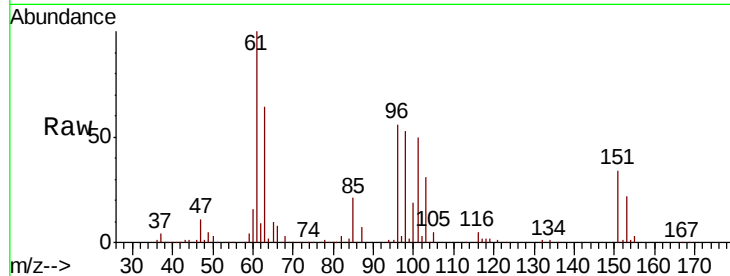
Tot Ion:101 Resp: 129470

Ion Ratio Lower Upper

101 100

85 43.6 34.5 51.7

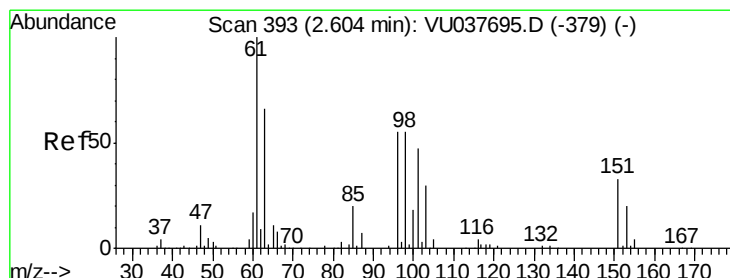
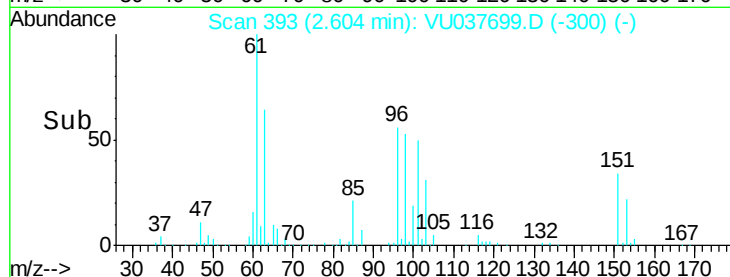
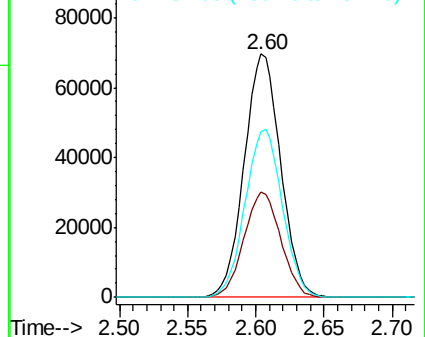
151 70.6 56.9 85.3



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: 5.363 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037699.D

Acq: 14 Apr 2020 14:41

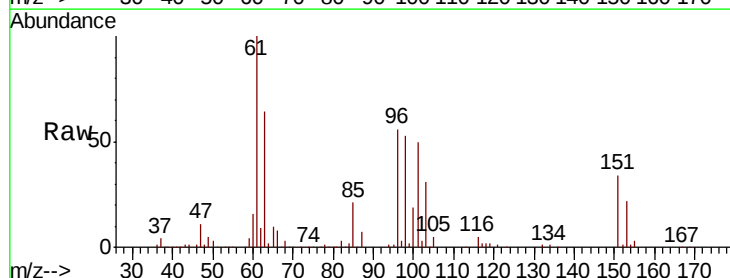
Tgt Ion: 96 Resp: 127365

Ion Ratio Lower Upper

96 100

61 179.2 127.7 237.3

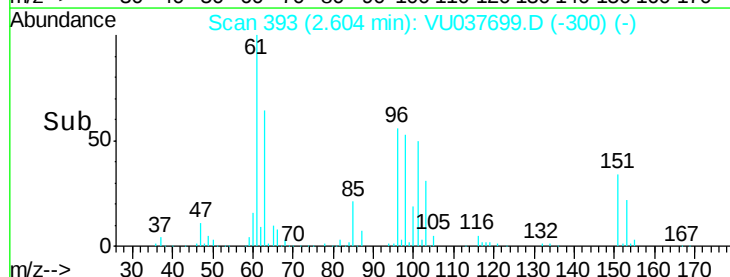
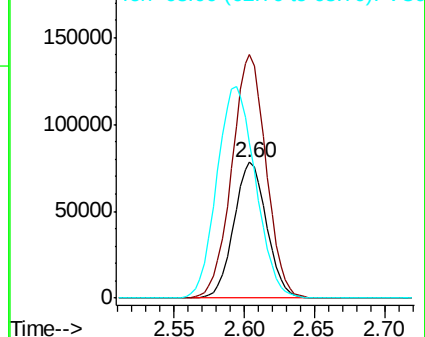
63 114.3 85.0 157.8

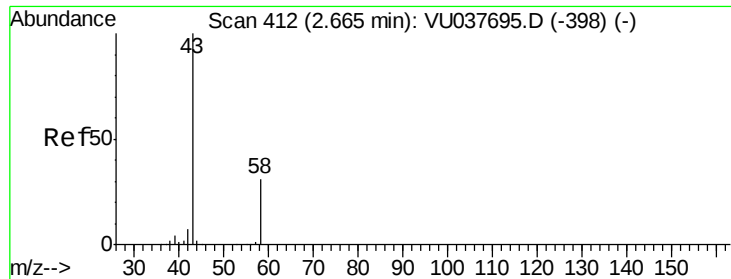


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 51.733 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.01 min

Lab File: VU037699.D

Acq: 14 Apr 2020 14:41

Instrument :

MSVOA_U

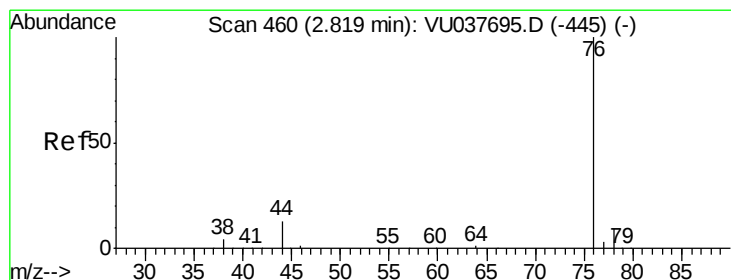
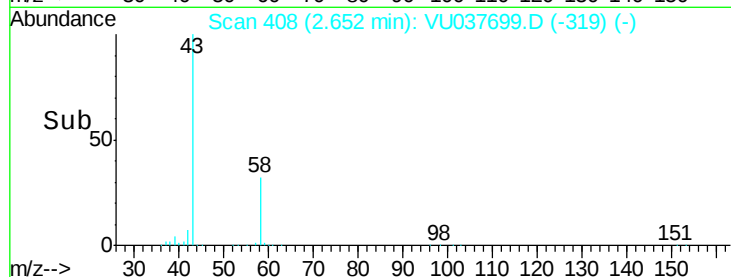
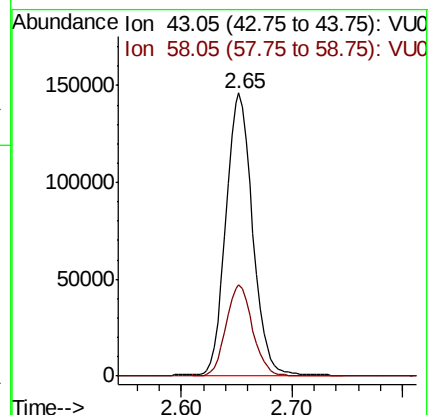
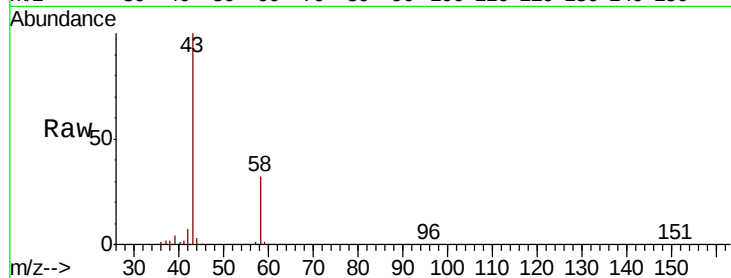
ClientSampleId :

Tot Ion: 43 Resp: 243963

Ion Ratio Lower Upper

43 100

58 32.7 0.0 64.8



#14

Carbon disulfide

Concen: 5.263 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037699.D

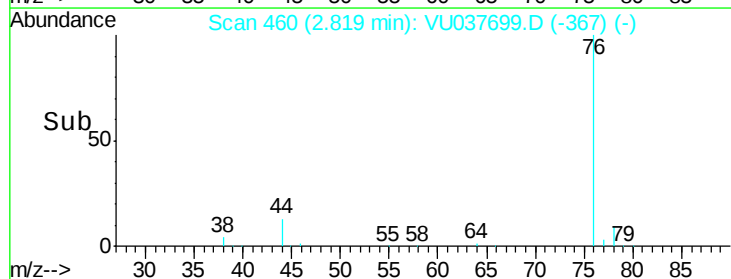
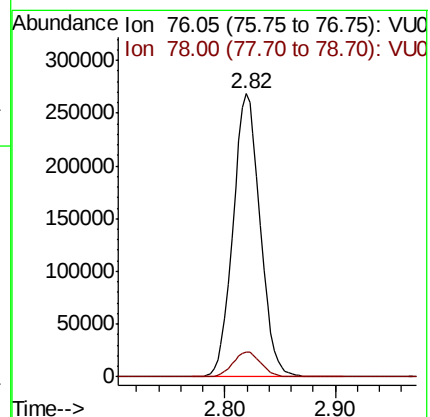
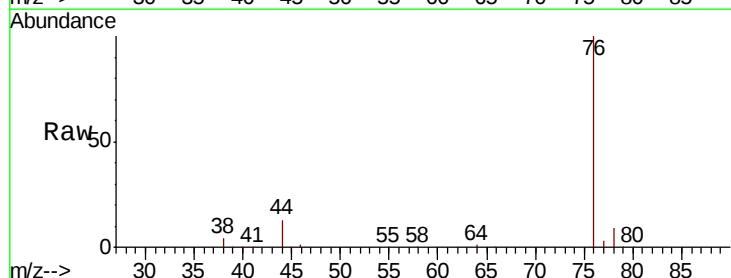
Acq: 14 Apr 2020 14:41

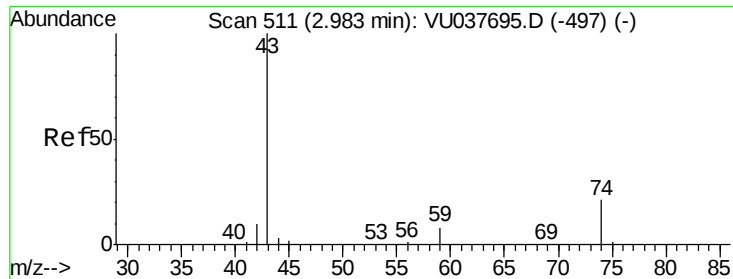
Tgt Ion: 76 Resp: 456404

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

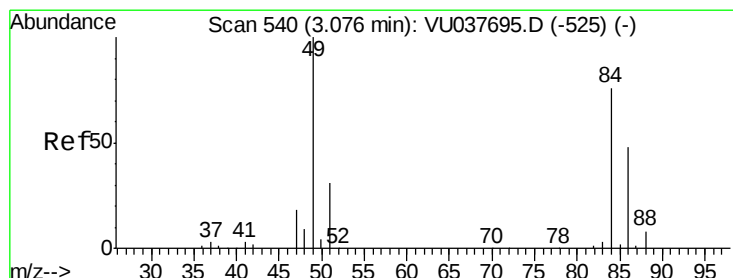
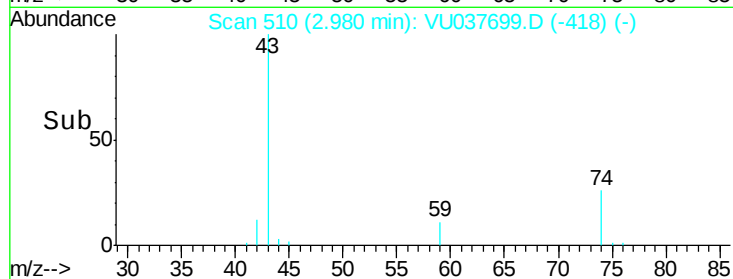
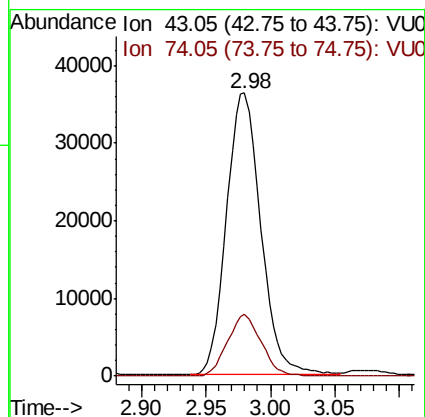
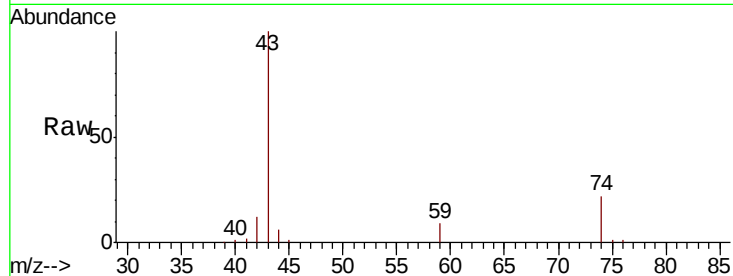




#15
Methvl Acetate
Concen: 5.138 ug/L
RT: 2.98 min Scan# 510
Delta R.T. -0.00 min
Lab File: VU037699.D
Acq: 14 Apr 2020 14:41

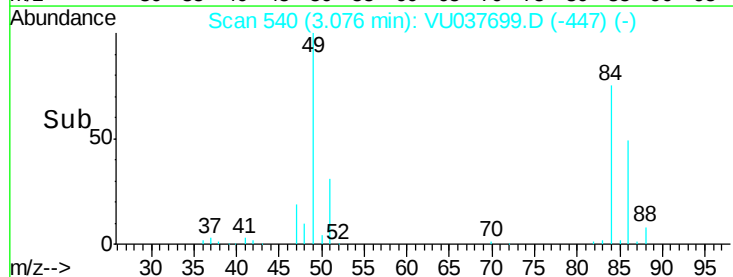
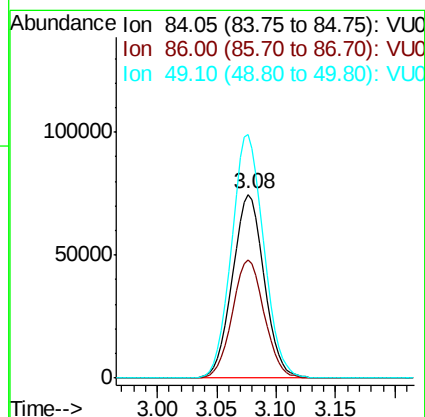
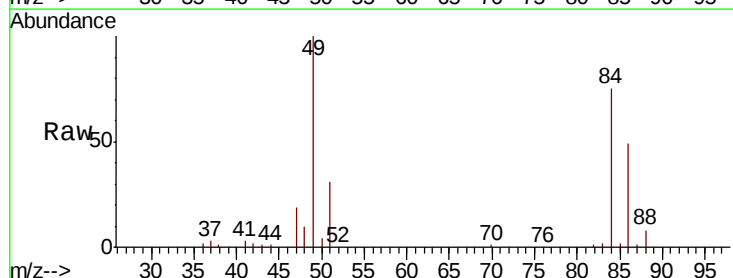
Instrument :
MSVOA_U
ClientSampleId :

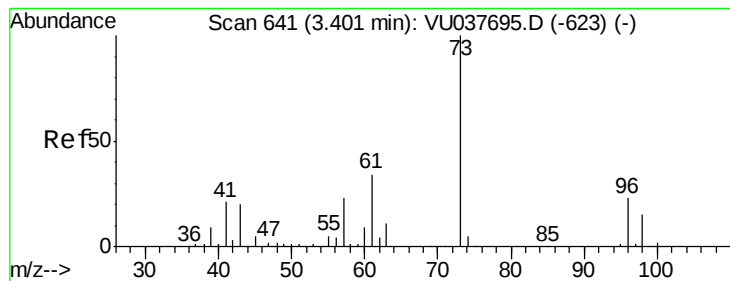
Tot Ion: 43 Resp: 67363
Ion Ratio Lower Upper
43 100
74 21.6 17.2 25.8



#16
Methylene chloride
Concen: 5.172 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037699.D
Acq: 14 Apr 2020 14:41

Tgt Ion: 84 Resp: 138491
Ion Ratio Lower Upper
84 100
86 64.5 44.2 82.0
49 132.7 92.4 171.6



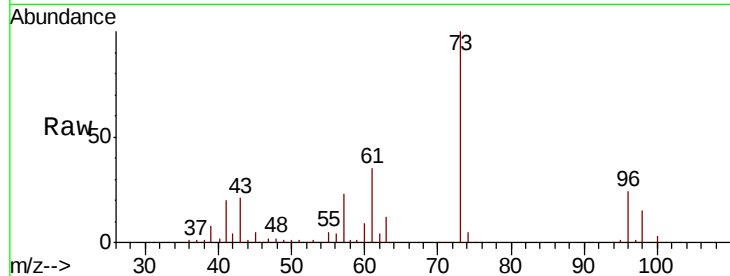


#17

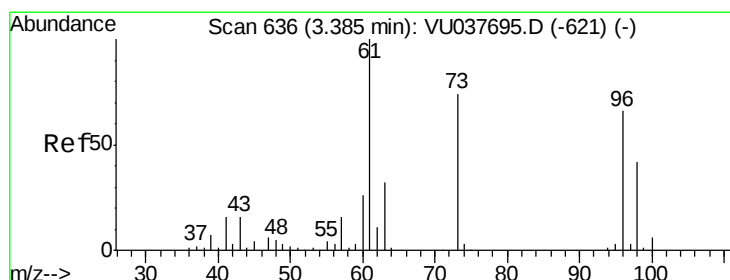
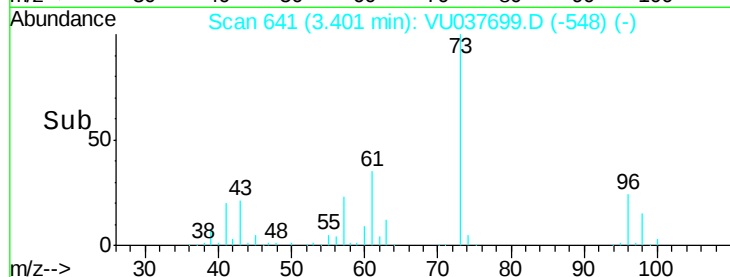
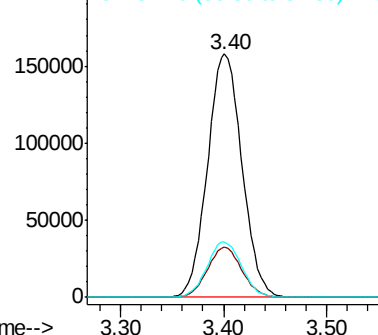
Methvl tert-butvl Ether
 Concen: 5.332 ug/L
 RT: 3.40 min Scan# 641
 Delta R.T. -0.00 min
 Lab File: VU037699.D
 Acq: 14 Apr 2020 14:41

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
73	100		
43	20.7	16.4	24.6
57	22.9	18.4	27.6



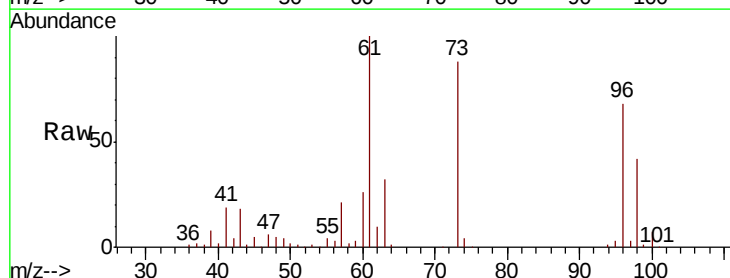
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



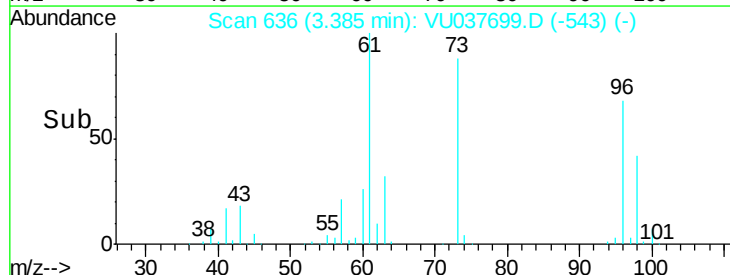
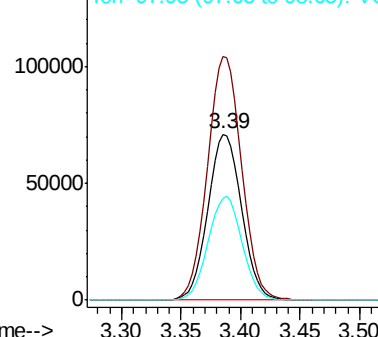
#18

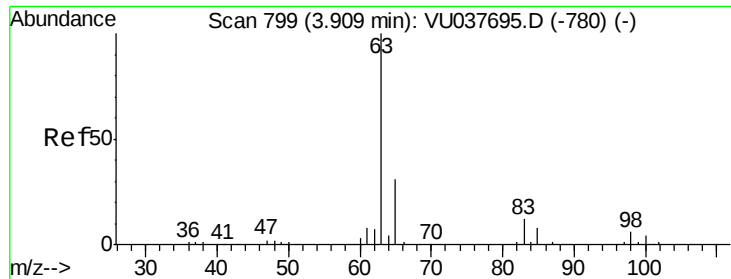
trans-1,2-Dichloroethene
 Concen: 5.414 ug/L
 RT: 3.39 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: VU037699.D
 Acq: 14 Apr 2020 14:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.1	106.7	198.3
98	61.6	44.3	82.3



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

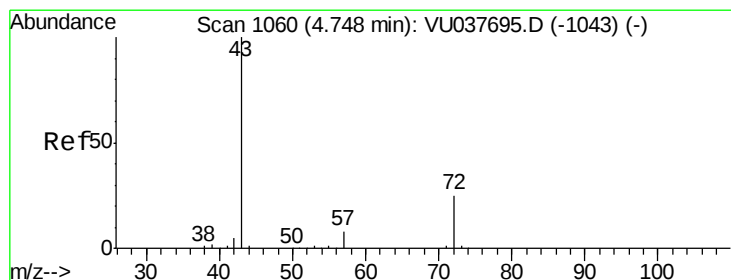
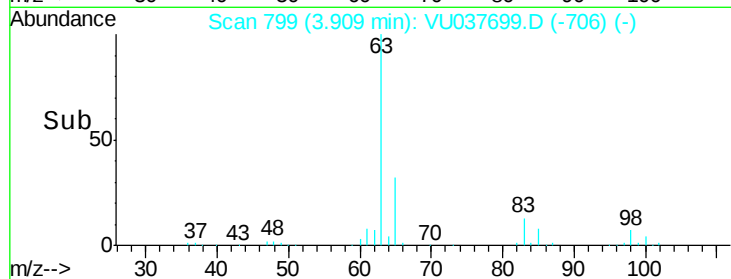
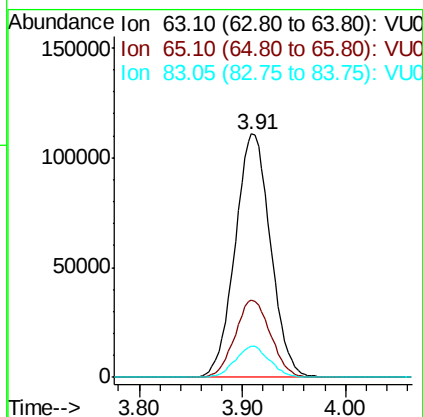
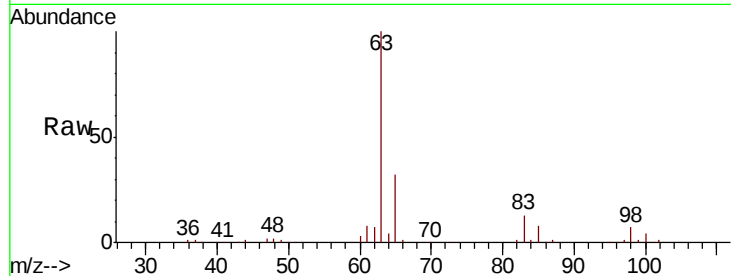




#19
 1,1-Dichloroethane
 Concen: 5.318 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU037699.D
 Acq: 14 Apr 2020 14:41

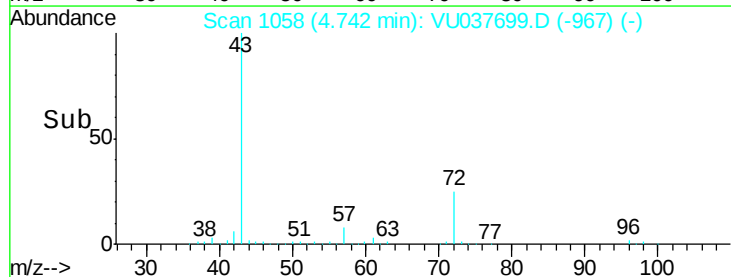
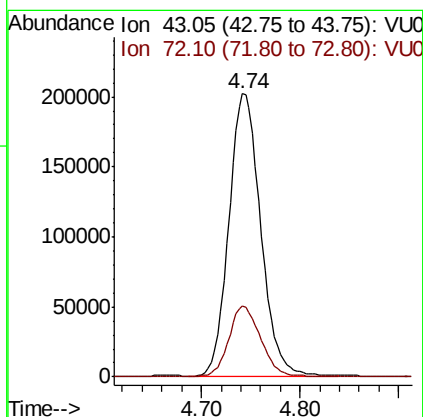
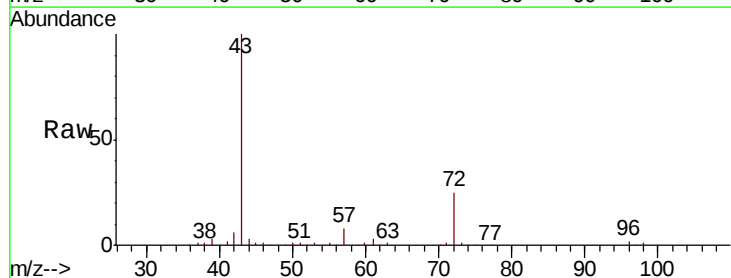
Instrument :
 MSVOA_U
 ClientSampled :

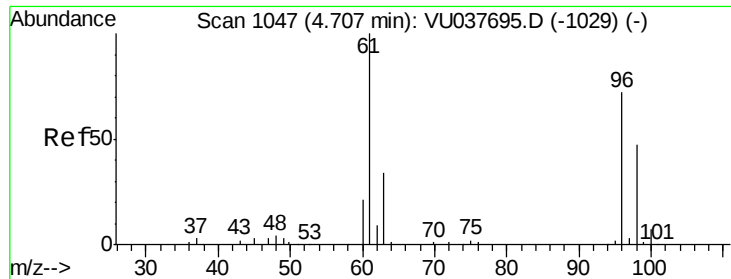
Tot Ion: 63 Resp: 264859
 Ion Ratio Lower Upper
 63 100
 65 31.7 21.6 40.2
 83 12.7 8.6 16.0



#21
 2-Butanone
 Concen: 52.735 ug/L
 RT: 4.74 min Scan# 1058
 Delta R.T. -0.01 min
 Lab File: VU037699.D
 Acq: 14 Apr 2020 14:41

Tgt Ion: 43 Resp: 451840
 Ion Ratio Lower Upper
 43 100
 72 25.5 12.6 37.6





#22

cis-1,2-Dichloroethene

Concen: 5.255 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037699.D

Acq: 14 Apr 2020 14:41

Instrument :
MSVOA_U
ClientSampleId :

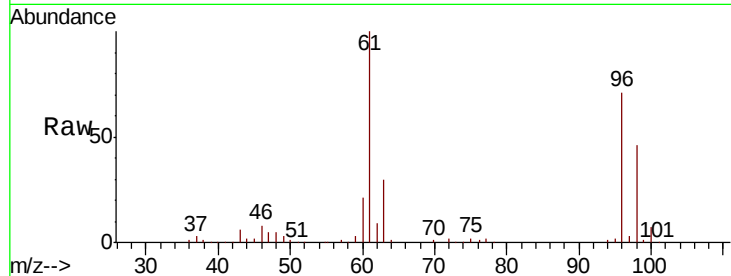
Tot Ion: 96 Resp: 146209

Ion Ratio Lower Upper

96 100

61 140.4 97.0 180.2

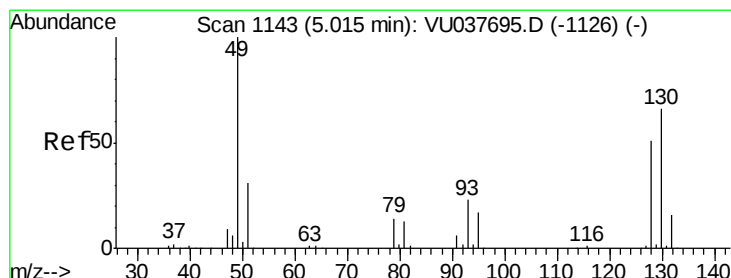
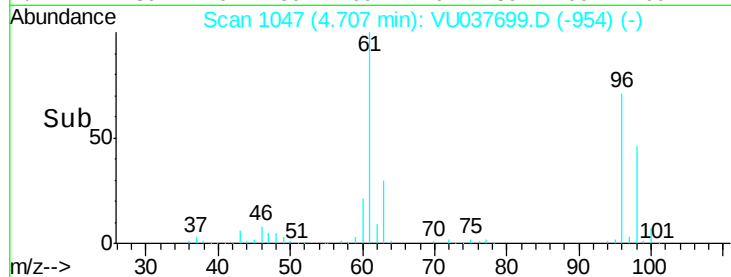
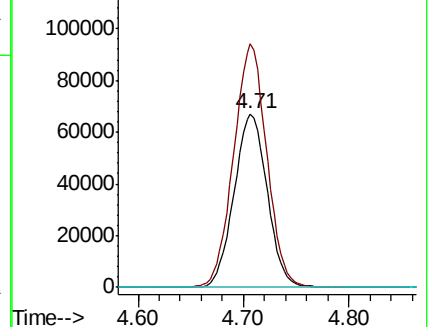
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037699.D (-1029) (-)

Ion 61.05 (60.75 to 61.75): VU037699.D (-1029) (-)

Ion 68.15 (67.85 to 68.85): VU037699.D (-1029) (-)



#23

Bromochloromethane

Concen: 5.203 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU037699.D

Acq: 14 Apr 2020 14:41

Tgt Ion: 128 Resp: 61351

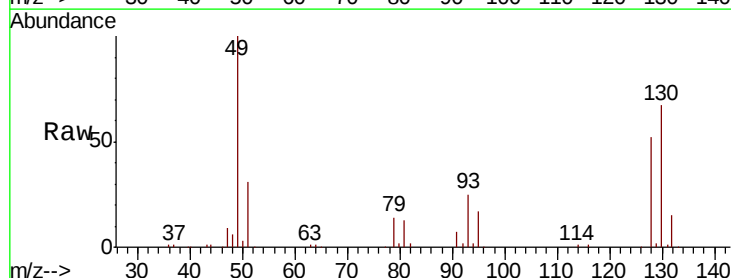
Ion Ratio Lower Upper

128 100

49 193.6 138.6 257.4

130 129.0 91.3 169.5

51 60.9 49.3 73.9

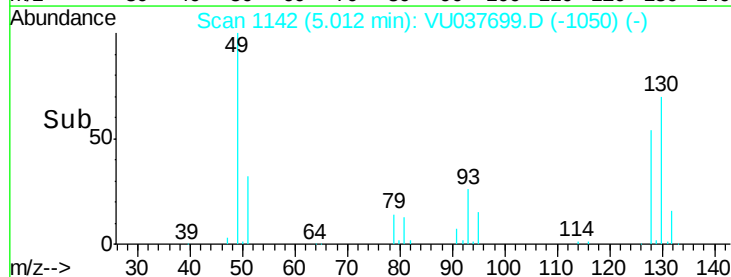
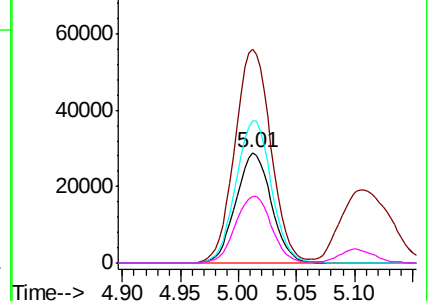


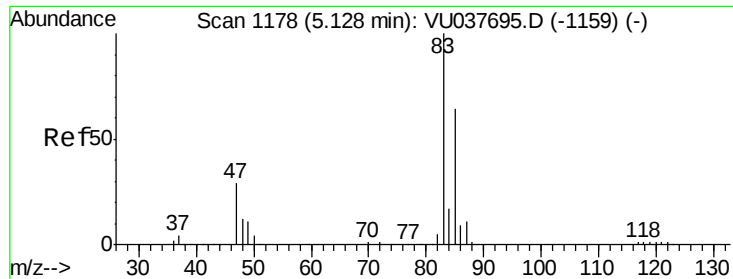
Abundance Ion 127.90 (127.60 to 128.60): VU037699.D (-1126) (-)

Ion 49.10 (48.80 to 49.80): VU037699.D (-1126) (-)

Ion 129.95 (129.65 to 130.65): VU037699.D (-1126) (-)

Ion 51.05 (50.75 to 51.75): VU037699.D (-1126) (-)

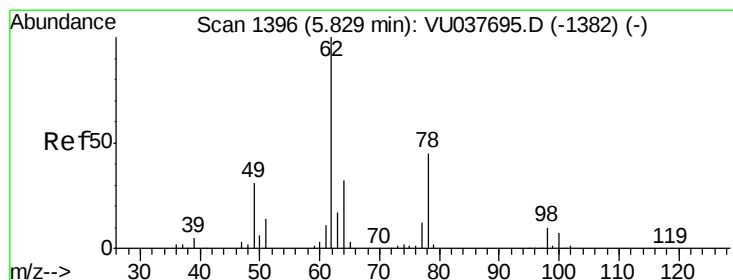
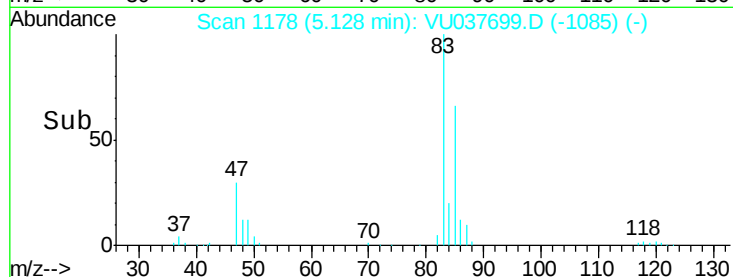
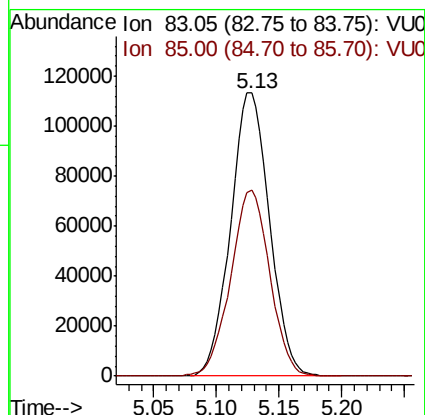
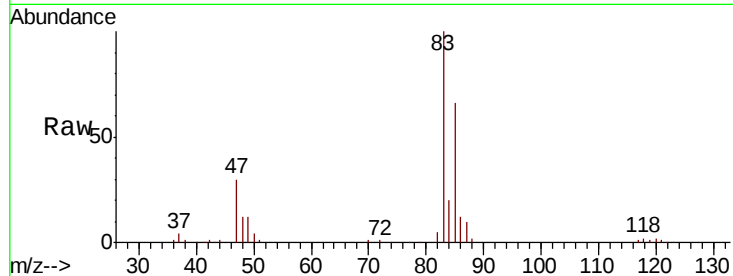




#25
Chloroform
Concen: 5.167 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037699.D
Acq: 14 Apr 2020 14:41

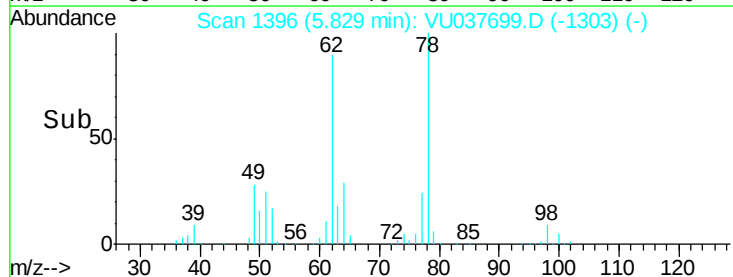
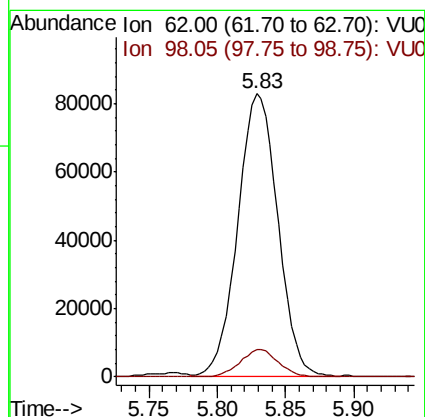
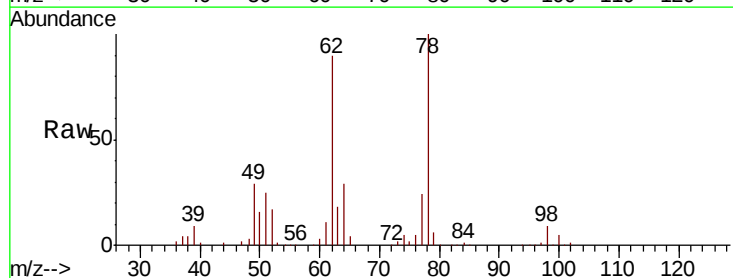
Instrument :
MSVOA_U
ClientSampleId :

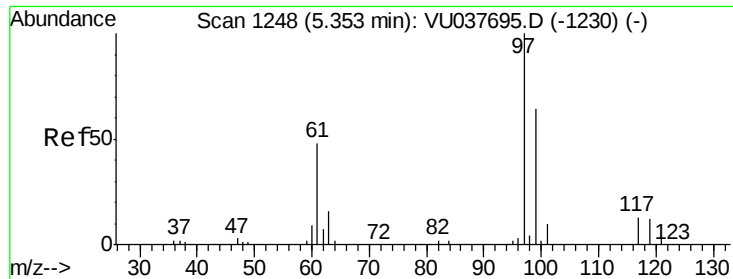
Tot Ion: 83 Resp: 244452
Ion Ratio Lower Upper
83 100
85 65.7 44.9 83.3



#27
1,2-Dichloroethane
Concen: 5.265 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU037699.D
Acq: 14 Apr 2020 14:41

Tgt Ion: 62 Resp: 168380
Ion Ratio Lower Upper
62 100
98 9.7 7.6 11.4

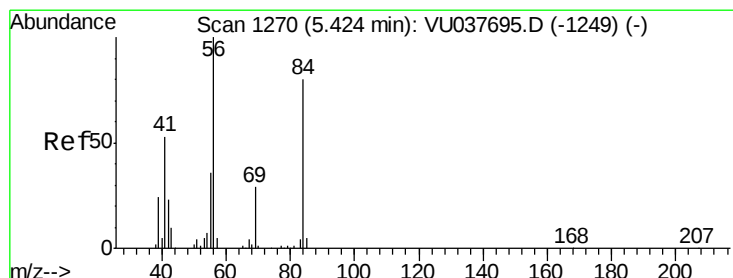
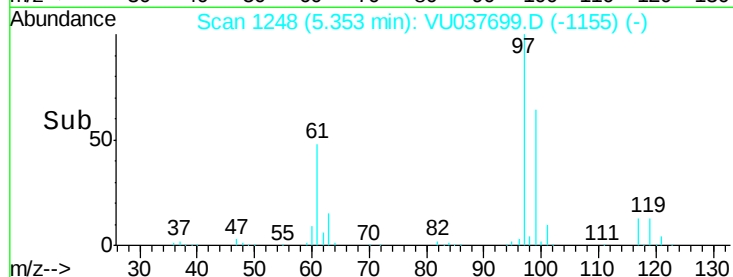
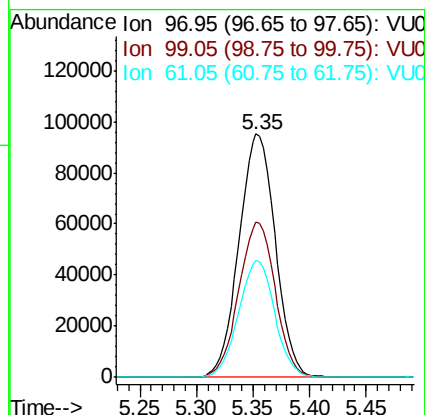
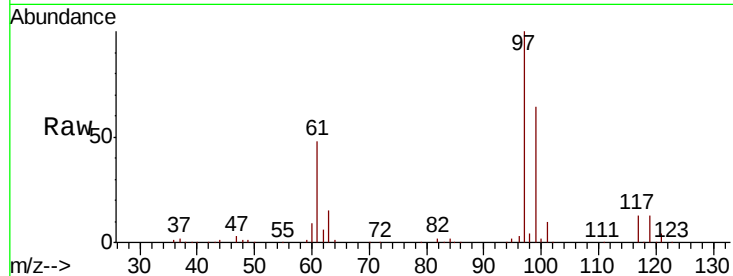




#29
 1,1,1-Trichloroethane
 Concen: 5.328 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU037699.D
 Acq: 14 Apr 2020 14:41

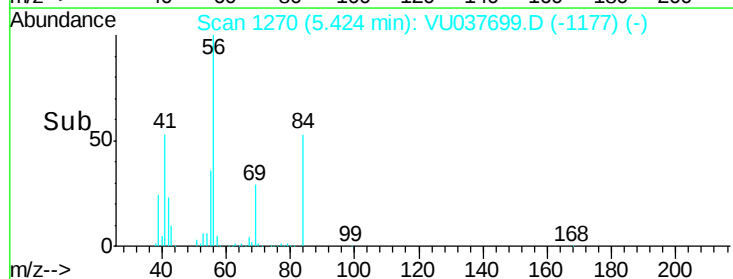
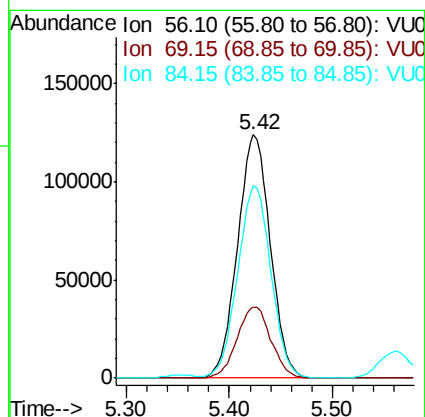
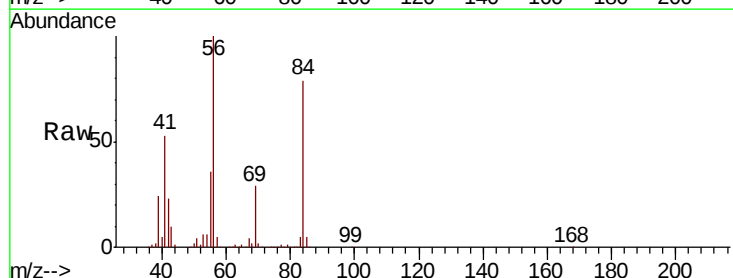
Instrument :
 MSVOA_U
 ClientSampleId :

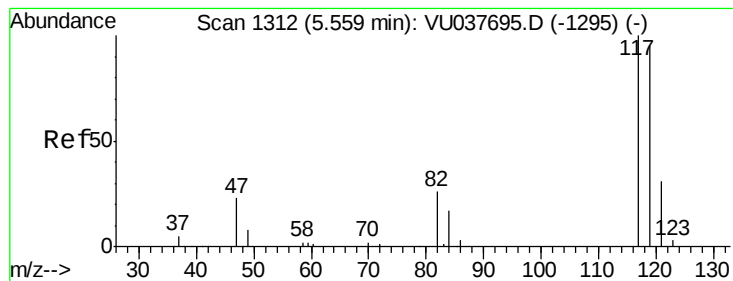
Tot Ion: 97 Resp: 213354
 Ion Ratio Lower Upper
 97 100
 99 64.2 52.0 78.0
 61 47.6 37.8 56.8



#30
 Cyclohexane
 Concen: 5.543 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU037699.D
 Acq: 14 Apr 2020 14:41

Tgt Ion: 56 Resp: 274746
 Ion Ratio Lower Upper
 56 100
 69 30.2 23.9 35.9
 84 80.4 65.6 98.4





#31

Carbon tetrachloride

Concen: 5.370 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU037699.D

Acq: 14 Apr 2020 14:41

Instrument :

MSVOA_U

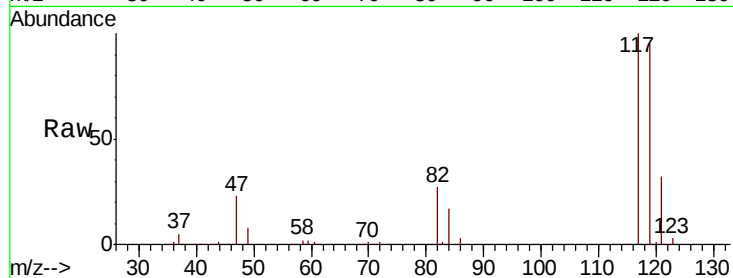
ClientSampleId :

Tot Ion:117 Resp: 171347

Ion Ratio Lower Upper

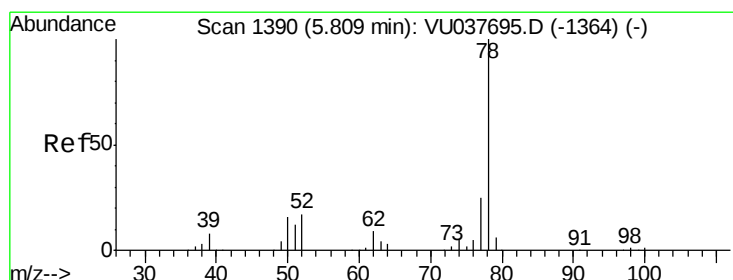
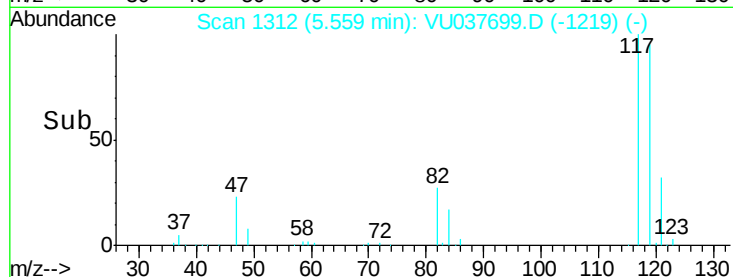
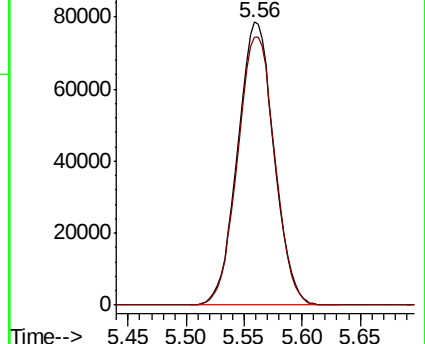
117 100

119 97.0 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: 5.315 ug/L

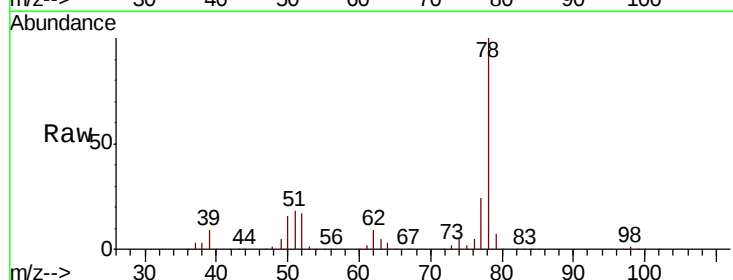
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

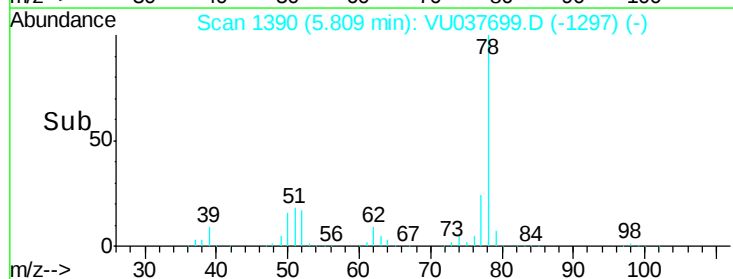
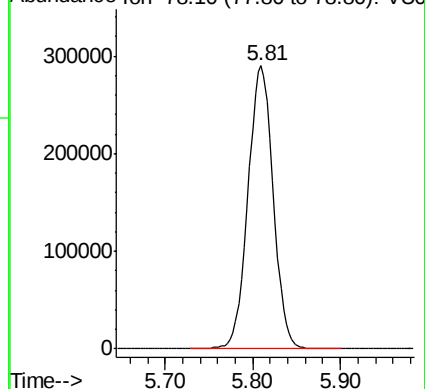
Lab File: VU037699.D

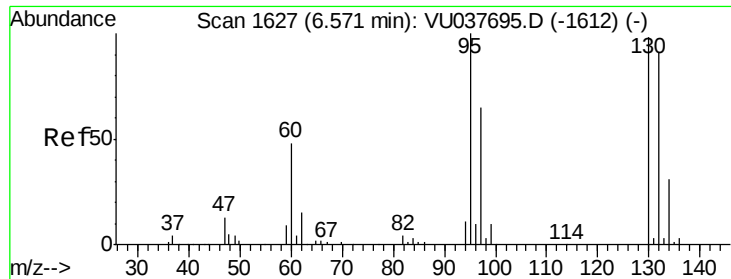
Acq: 14 Apr 2020 14:41

Tgt Ion: 78 Resp: 579593



Abundance Ion 78.10 (77.80 to 78.80): VU0

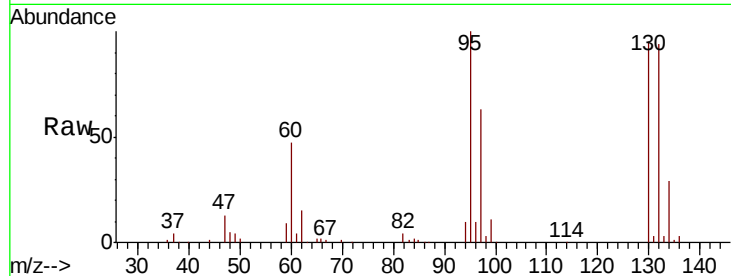




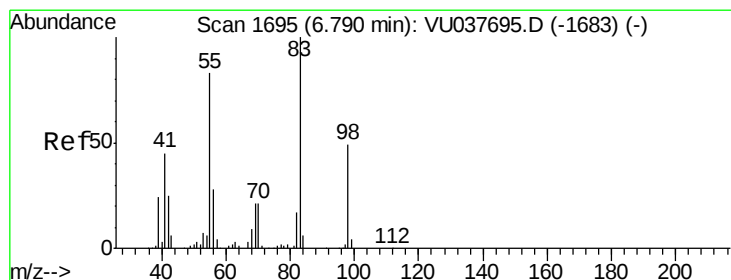
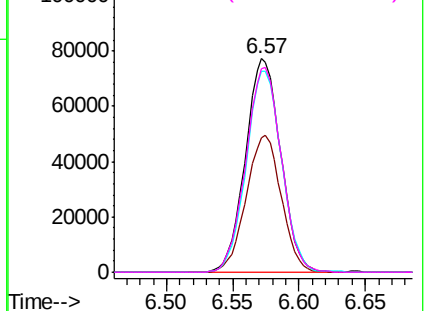
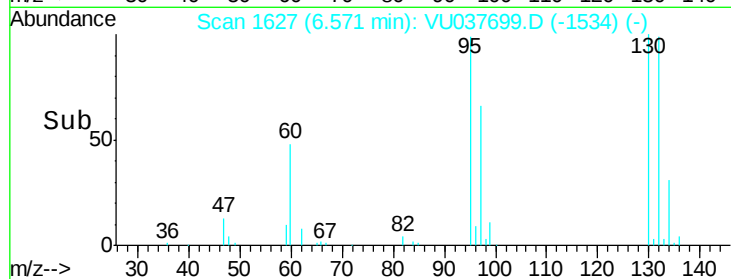
#34
 Trichloroethene
 Concen: 5.349 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU037699.D
 Acq: 14 Apr 2020 14:41

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 143334
 Ion Ratio Lower Upper
 95 100
 97 63.0 45.4 84.2
 132 94.4 63.7 118.3
 130 95.2 68.7 127.5

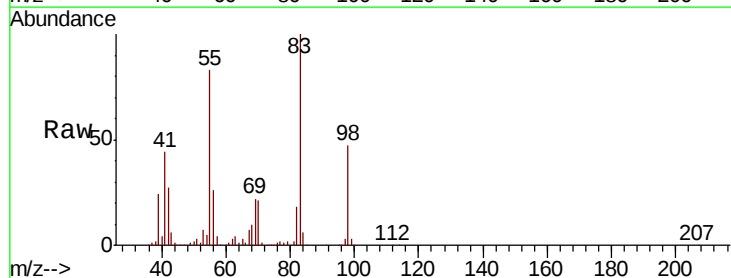


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

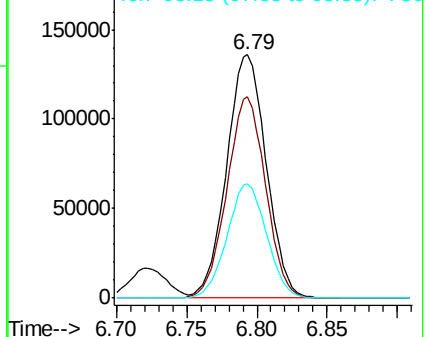
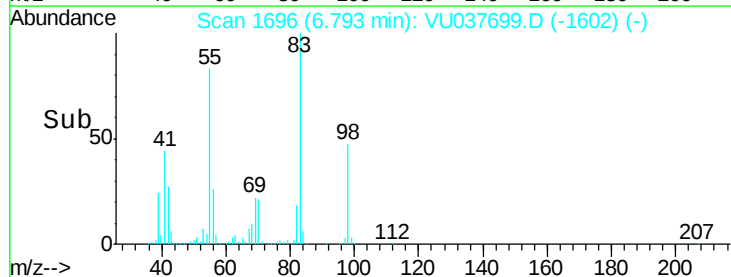


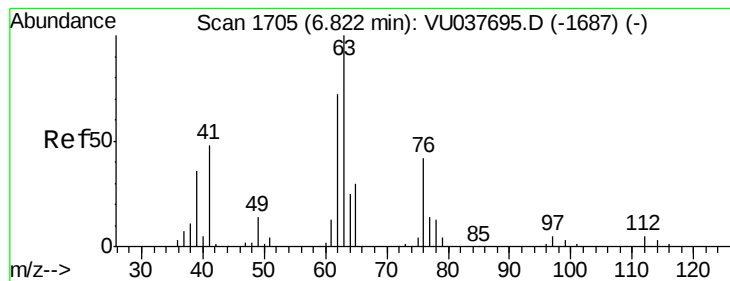
#35
 Methylcyclohexane
 Concen: 5.680 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU037699.D
 Acq: 14 Apr 2020 14:41

Tgt Ion: 83 Resp: 266742
 Ion Ratio Lower Upper
 83 100
 55 81.1 65.5 98.3
 98 46.9 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: 5.279 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. -0.00 min

Lab File: VU037699.D

Acq: 14 Apr 2020 14:41

Instrument :

MSVOA_U

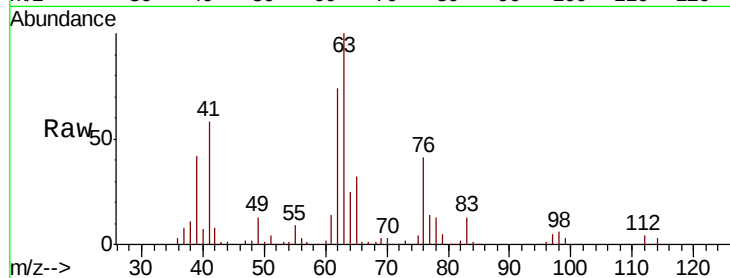
ClientSampleId :

Tot Ion: 63 Resp: 152671

Ion Ratio Lower Upper

63 100

112 4.1 3.4 5.0



Abundance Ion 63.10 (62.80 to 63.80): VU037699.D (-1612) (-)

Ion 112.10 (111.80 to 112.80): VU037699.D (-1612) (-)

6.82

80000

60000

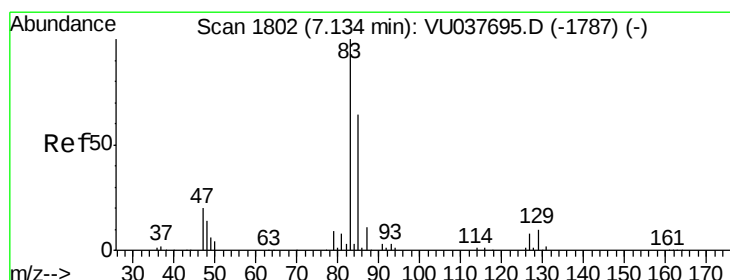
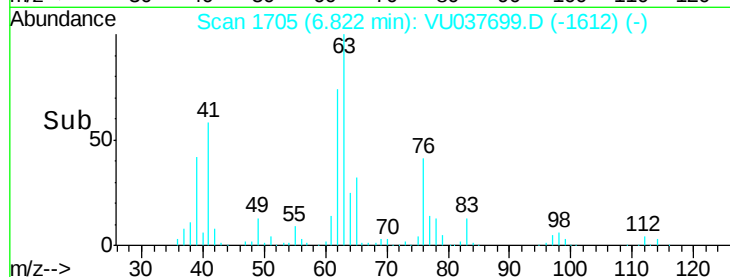
40000

20000

0

6.70 6.80 6.90

Time-->



#38

Bromodichloromethane

Concen: 5.303 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU037699.D

Acq: 14 Apr 2020 14:41

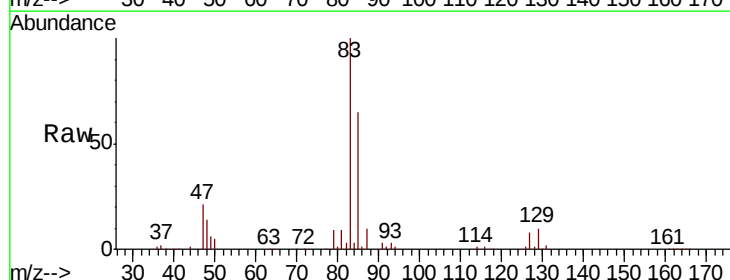
Tgt Ion: 83 Resp: 182357

Ion Ratio Lower Upper

83 100

85 65.3 45.1 83.7

127 7.7 6.6 9.8



Abundance Ion 82.95 (82.65 to 83.65): VU037699.D (-1709) (-)

Ion 85.00 (84.70 to 85.70): VU037699.D (-1709) (-)

Ion 126.90 (126.60 to 127.60): VU037699.D (-1709) (-)

7.13

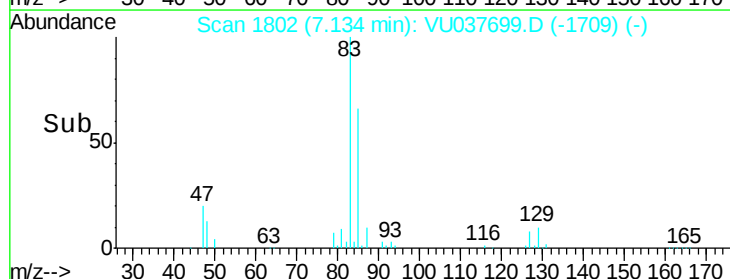
100000

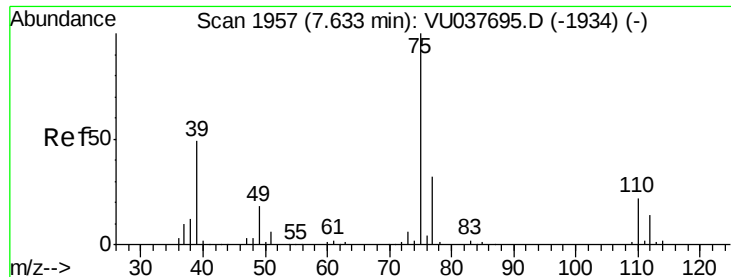
50000

0

7.05 7.10 7.15 7.20

Time-->

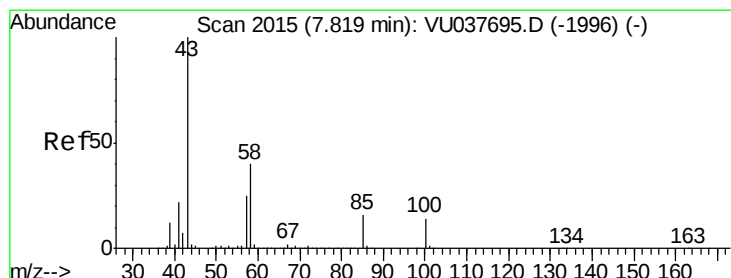
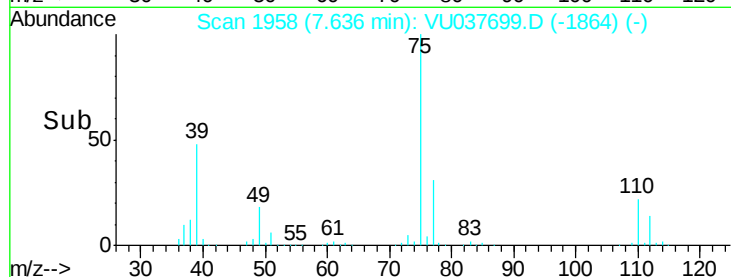
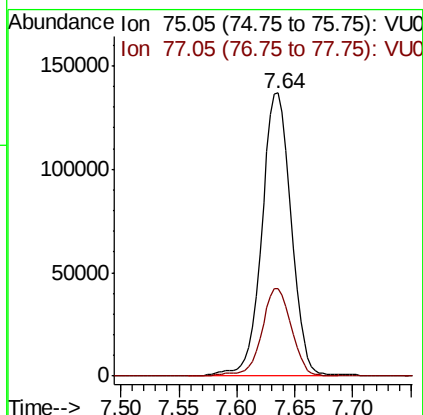
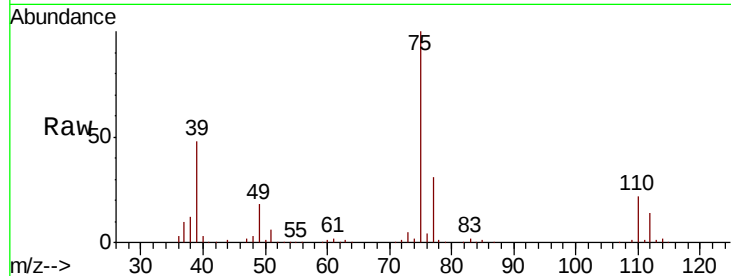




#39
 cis-1,3-Dichloropropene
 Concen: 5.323 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU037699.D
 Acq: 14 Apr 2020 14:41

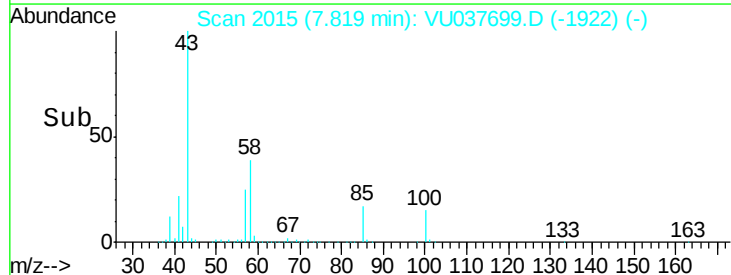
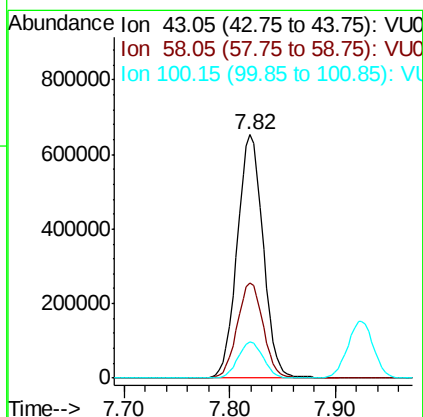
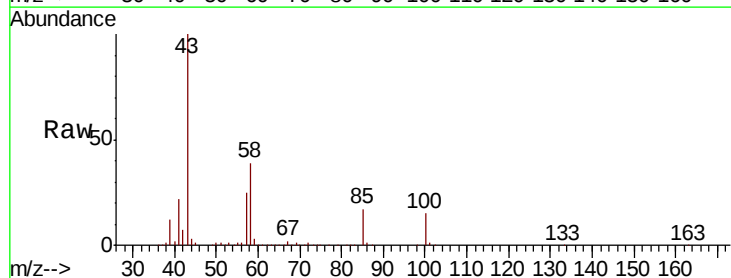
Instrument :
 MSVOA_U
 ClientSampled :

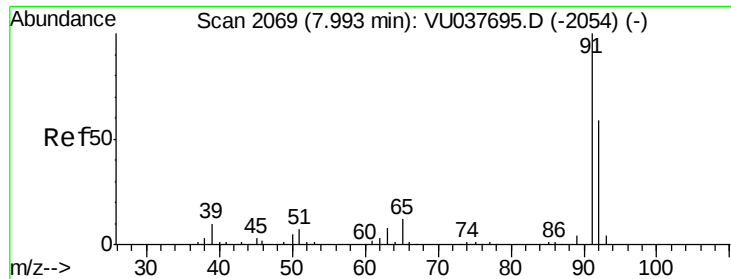
Tot Ion: 75 Resp: 240981
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 52.317 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VU037699.D
 Acq: 14 Apr 2020 14:41

Tgt Ion: 43 Resp: 1112317
 Ion Ratio Lower Upper
 43 100
 58 39.3 31.3 46.9
 100 14.6 11.5 17.3





#42

Toluene

Concen: 5.333 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037699.D

Acq: 14 Apr 2020 14:41

Instrument :

MSVOA_U

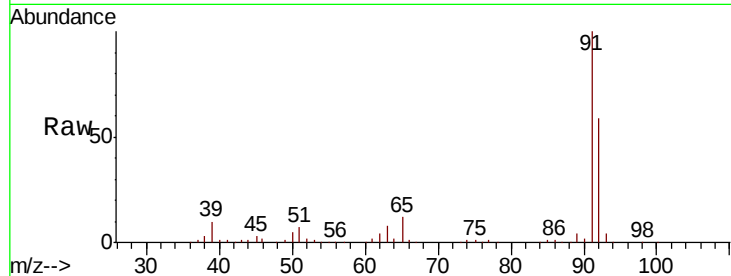
ClientSampled :

Tot Ion: 91 Resp: 609171

Ion Ratio Lower Upper

91 100

92 59.2 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VU037699.D (-1976) (-)

Ion 92.15 (91.85 to 92.85): VU037699.D (-1976) (-)

8.00

400000

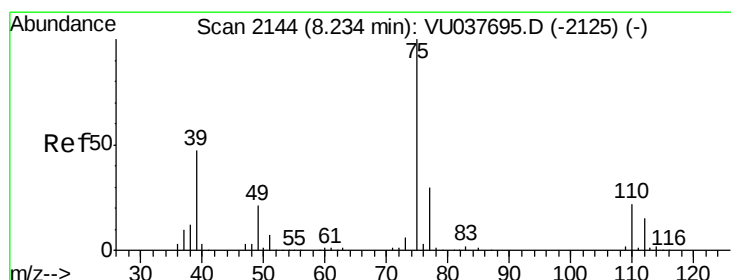
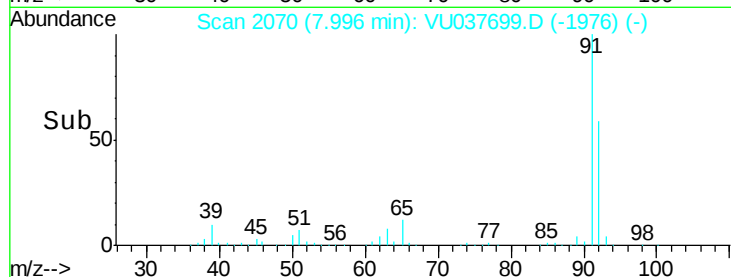
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.235 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU037699.D

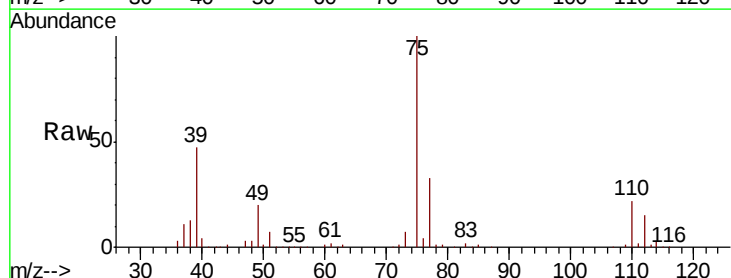
Acq: 14 Apr 2020 14:41

Tgt Ion: 75 Resp: 205740

Ion Ratio Lower Upper

75 100

77 32.9 21.4 39.8



Abundance Ion 75.05 (74.75 to 75.75): VU037699.D (-2051) (-)

Ion 77.05 (76.75 to 77.75): VU037699.D (-2051) (-)

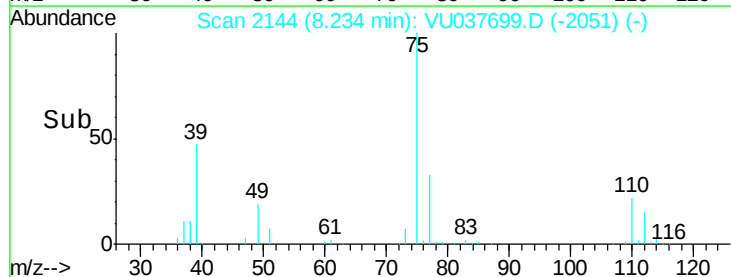
8.23

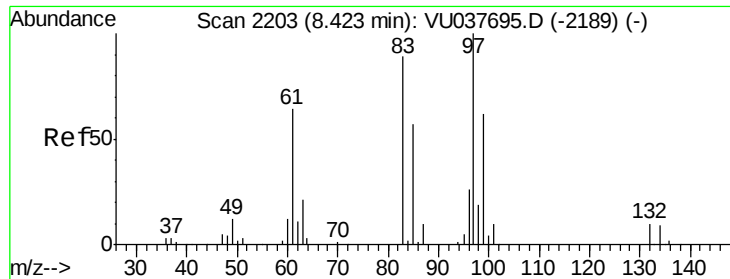
100000

50000

0

Time-->

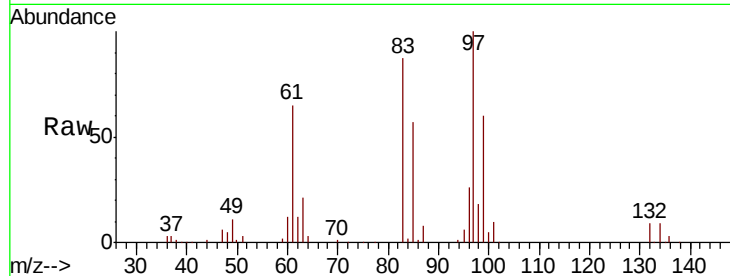




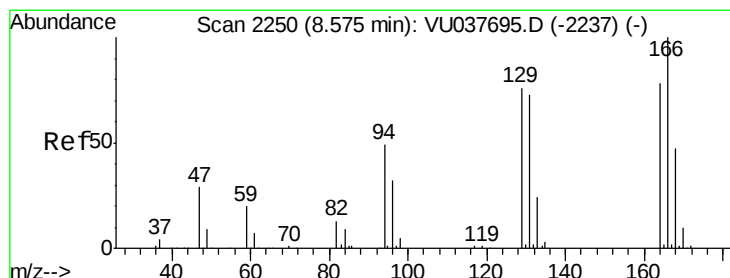
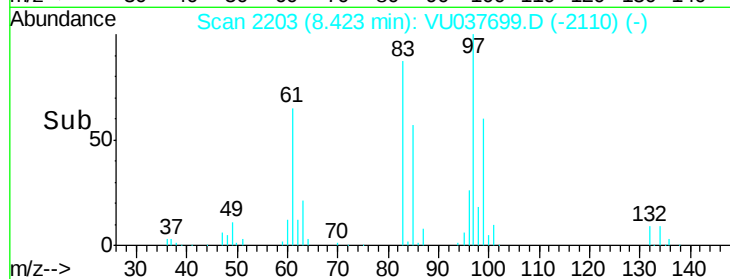
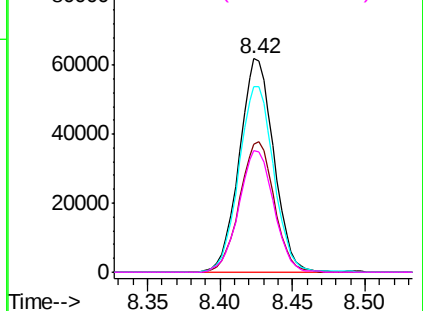
#45
1,1,2-Trichloroethane
Concen: 5.243 ug/L
RT: 8.42 min Scan# 2203
Delta R.T. -0.00 min
Lab File: VU037699.D
Acq: 14 Apr 2020 14:41

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	97	Resp:	102181
Ion	Ratio	Lower	Upper
97	100		
99	60.2	43.1	80.1
83	87.2	62.4	116.0
85	57.0	39.6	73.6

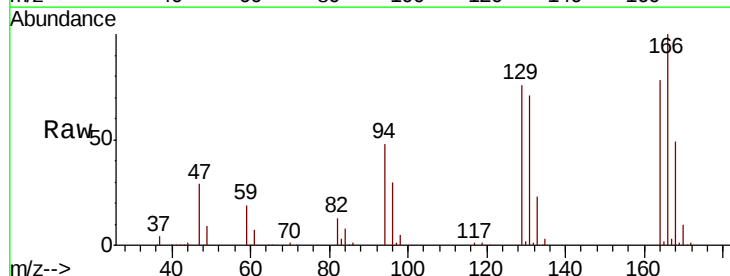


Abundance Ion 96.95 (96.65 to 97.65): VU037699.D (-2110) (-)

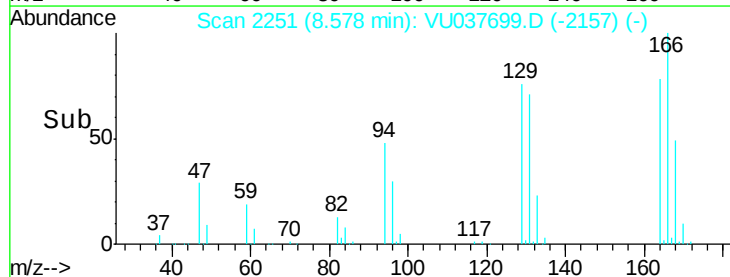
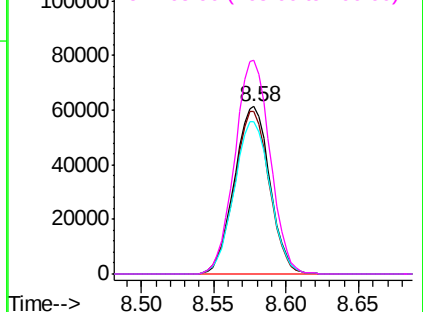


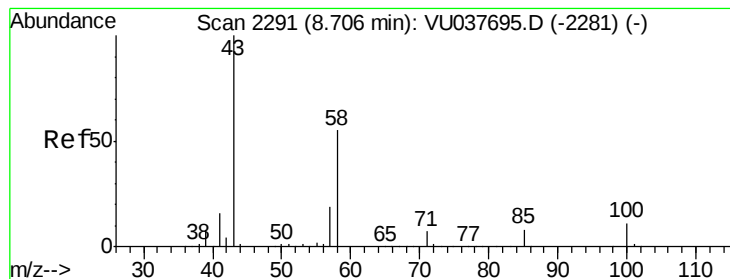
#47
Tetrachloroethene
Concen: 5.424 ug/L
RT: 8.58 min Scan# 2251
Delta R.T. 0.00 min
Lab File: VU037699.D
Acq: 14 Apr 2020 14:41

Tgt Ion:	164	Resp:	104444
Ion	Ratio	Lower	Upper
164	100		
129	97.5	68.1	126.5
131	91.1	65.9	122.5
166	127.6	89.7	166.7



Abundance Ion 163.90 (163.60 to 164.60): VU037699.D (-2157) (-)





#48

2-Hexanone

Concen: 52.727 ug/L

RT: 8.71 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VU037699.D

Acq: 14 Apr 2020 14:41

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 43 Resp: 802630

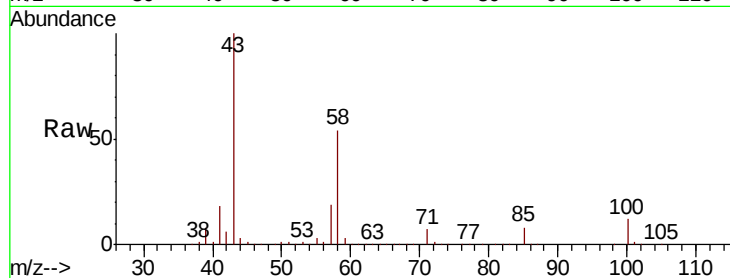
Ion Ratio Lower Upper

43 100

58 54.2 43.6 65.4

57 19.1 15.4 23.0

100 11.6 9.1 13.7

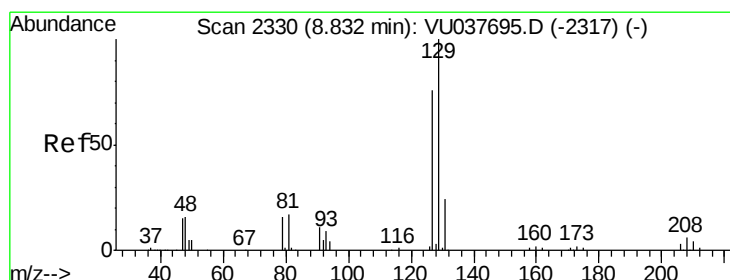
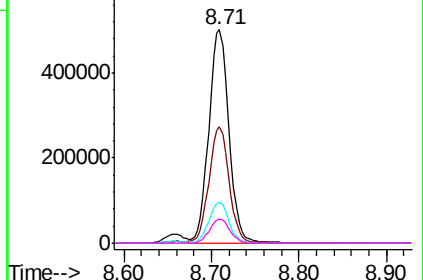
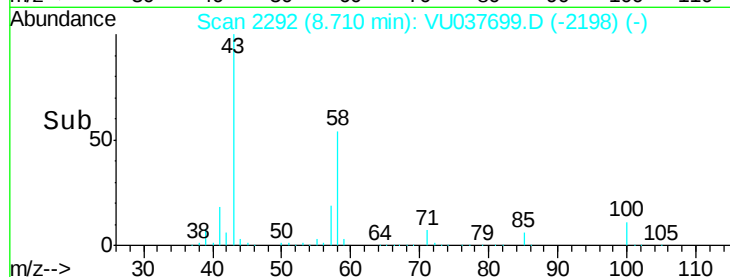


Abundance Ion 43.05 (42.75 to 43.75): VU037699.D (-2198) (-)

Ion 58.05 (57.75 to 58.75): VU037699.D (-2198) (-)

Ion 57.20 (56.90 to 57.90): VU037699.D (-2198) (-)

Ion 100.15 (99.85 to 100.85): VU037699.D (-2198) (-)



#49

Dibromochloromethane

Concen: 5.273 ug/L

RT: 8.84 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU037699.D

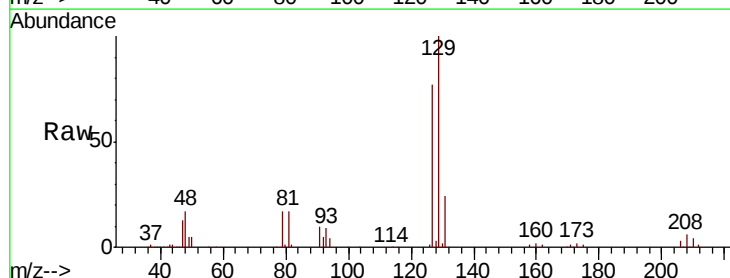
Acq: 14 Apr 2020 14:41

Tgt Ion: 129 Resp: 117445

Ion Ratio Lower Upper

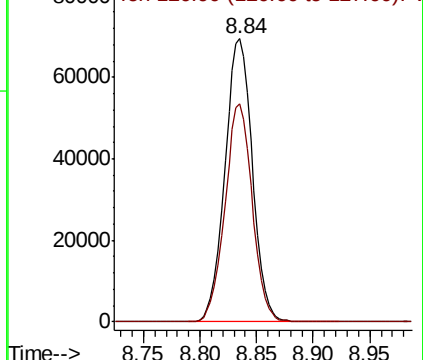
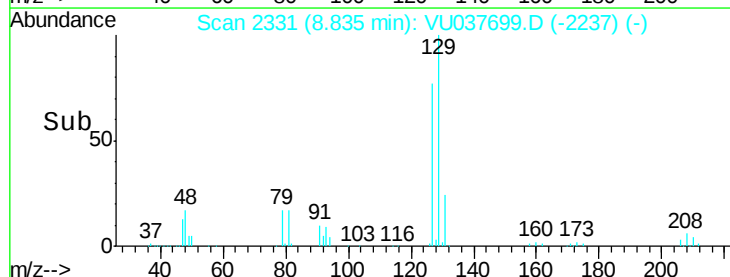
129 100

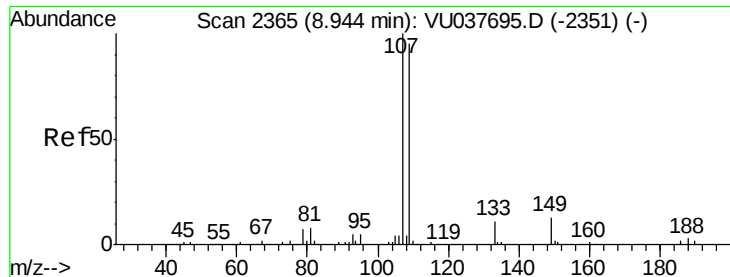
127 76.8 53.3 98.9



Abundance Ion 128.95 (128.65 to 129.65): VU037699.D (-2237) (-)

Ion 126.90 (126.60 to 127.60): VU037699.D (-2237) (-)

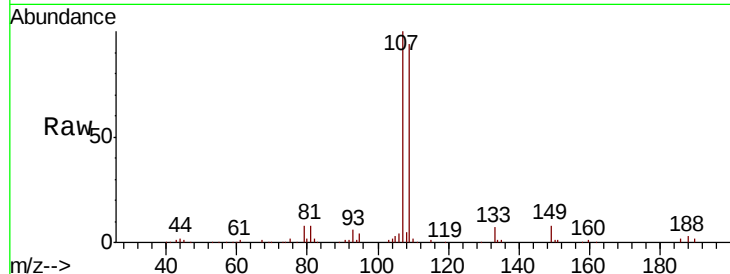




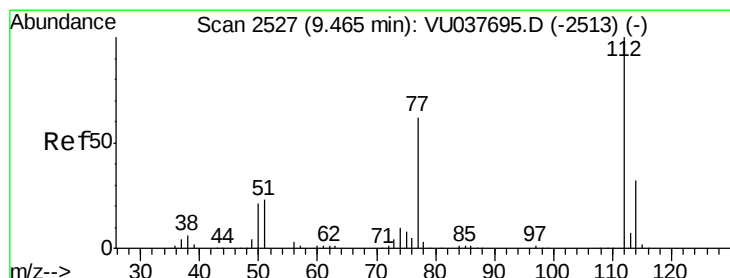
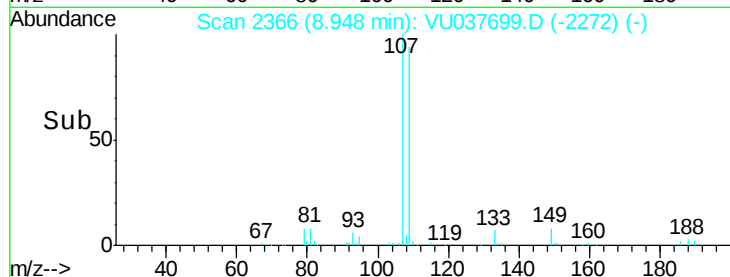
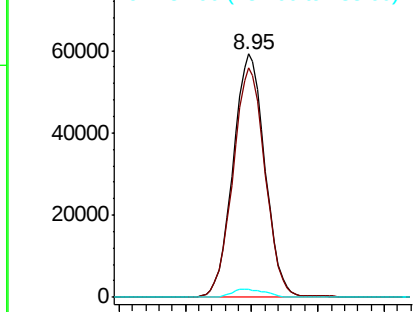
#50
1,2-Dibromoethane
Concen: 5.266 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU037699.D
Acq: 14 Apr 2020 14:41

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:107 Resp: 98676
Ion Ratio Lower Upper
107 100
109 94.2 66.3 123.1
188 3.3 2.5 3.7

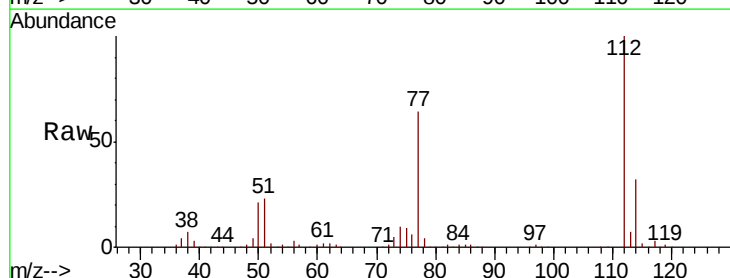


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

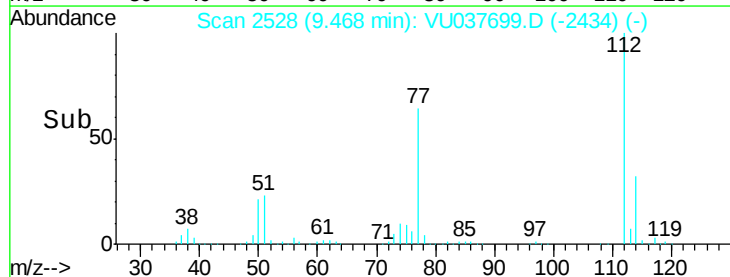
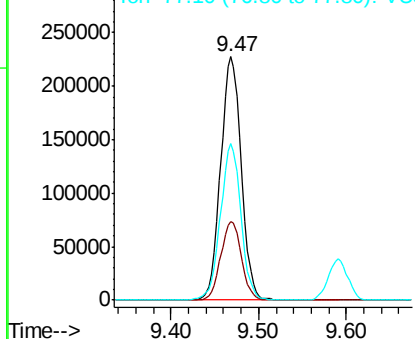


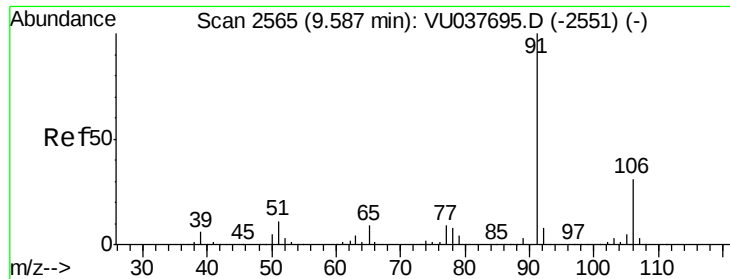
#51
Chlorobenzene
Concen: 5.318 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU037699.D
Acq: 14 Apr 2020 14:41

Tgt Ion:112 Resp: 370636
Ion Ratio Lower Upper
112 100
114 32.5 22.6 42.0
77 64.1 50.2 75.4



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: 5.436 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU037699.D

Acq: 14 Apr 2020 14:41

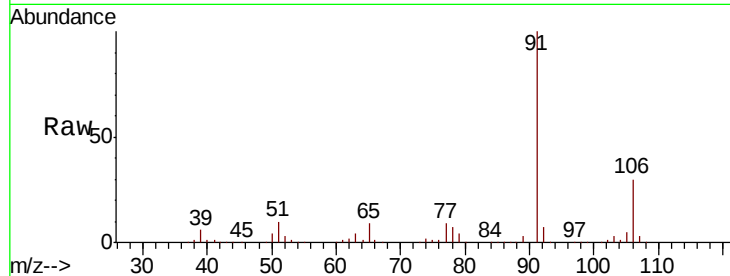
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 690720

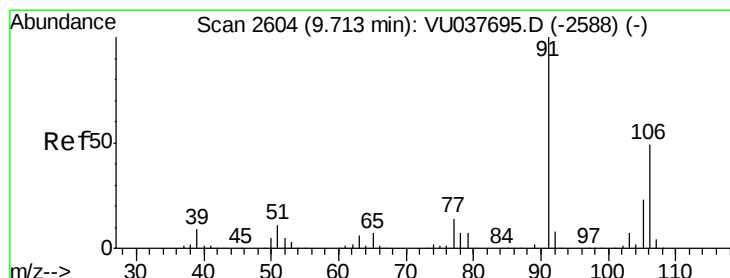
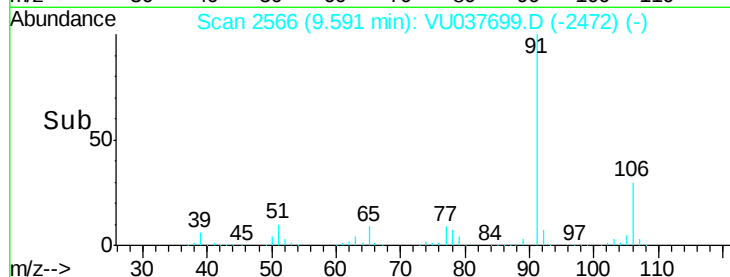
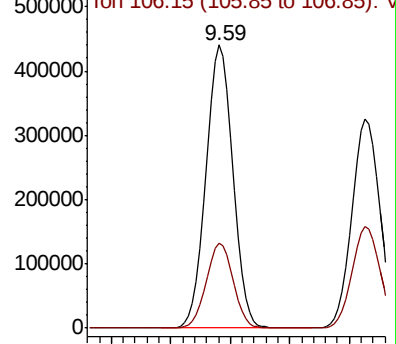
Ion Ratio Lower Upper

91 100

106 30.0 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VU037699.D (-2551) (-)



#53

m,p-Xylene

Concen: 5.425 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU037699.D

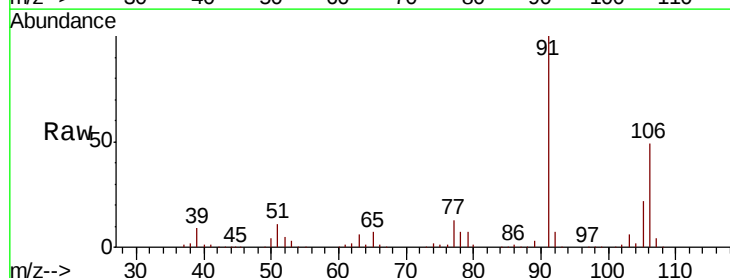
Acq: 14 Apr 2020 14:41

Tgt Ion: 106 Resp: 260921

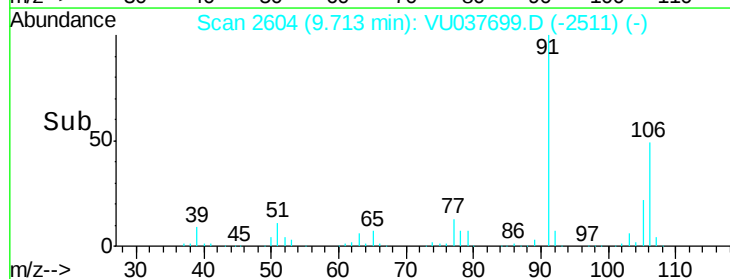
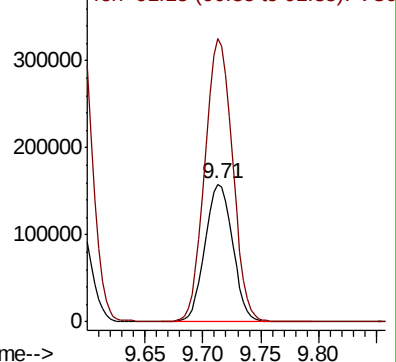
Ion Ratio Lower Upper

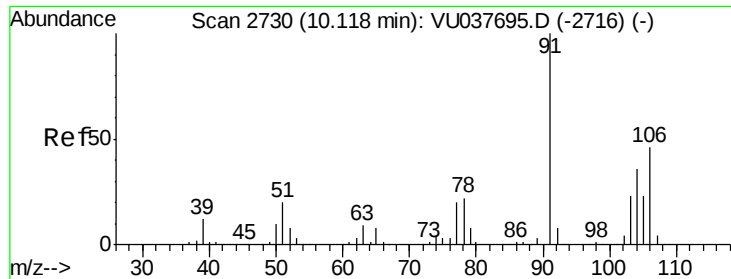
106 100

91 205.3 143.9 267.3



Abundance Ion 106.15 (105.85 to 106.85): VU037699.D (-2588) (-)

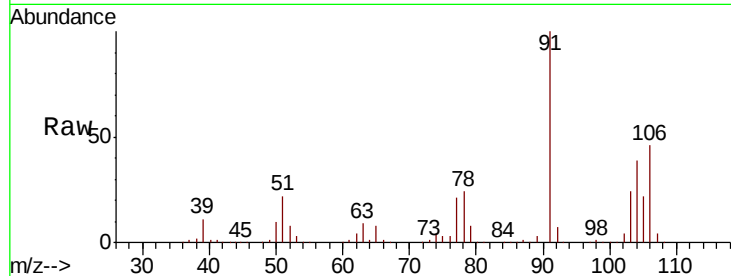




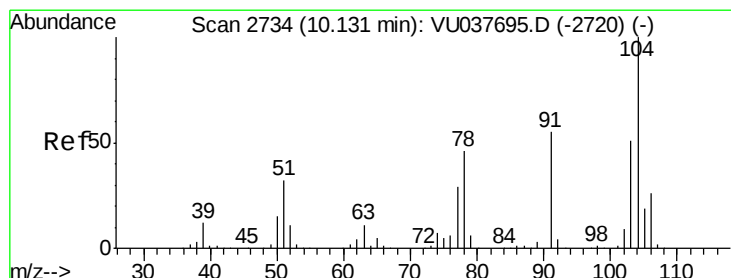
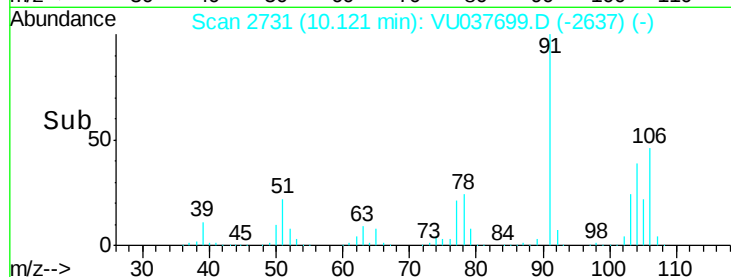
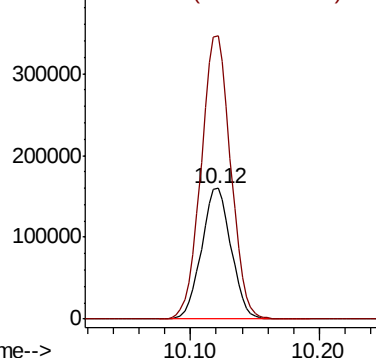
#54
o-Xylene
Concen: 5.369 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. 0.00 min
Lab File: VU037699.D
Acq: 14 Apr 2020 14:41

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 254138
Ion Ratio Lower Upper
106 100
91 216.9 151.1 280.7

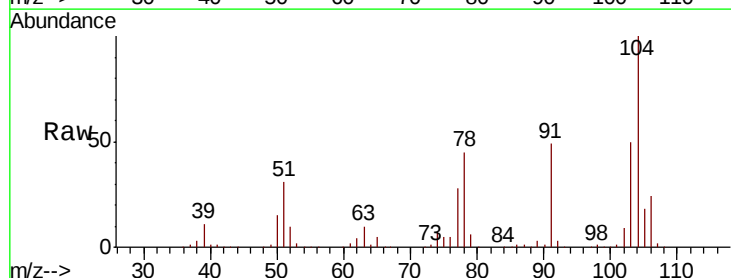


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

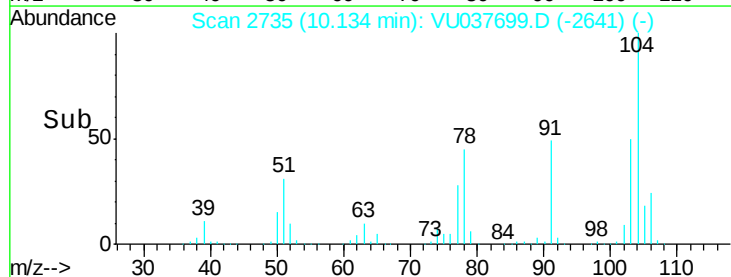
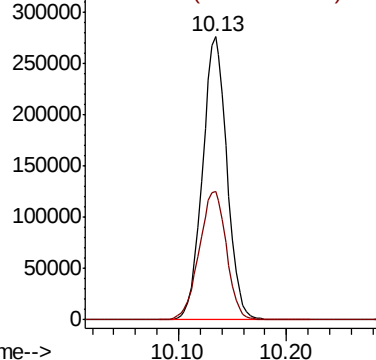


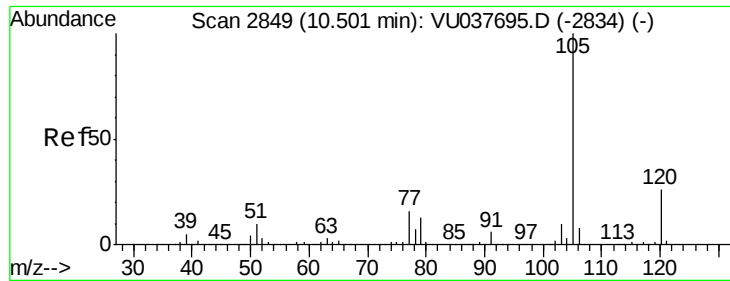
#55
Styrene
Concen: 5.412 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU037699.D
Acq: 14 Apr 2020 14:41

Tgt Ion:104 Resp: 437891
Ion Ratio Lower Upper
104 100
78 45.3 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: 5.425 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU037699.D

Acq: 14 Apr 2020 14:41

Instrument :

MSVOA_U

ClientSampleId :

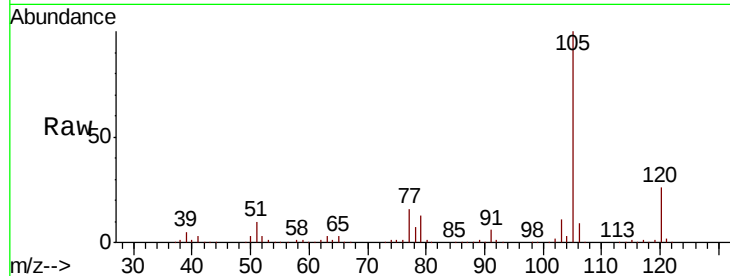
Tot Ion:105 Resp: 673598

Ion Ratio Lower Upper

105 100

120 25.9 20.6 31.0

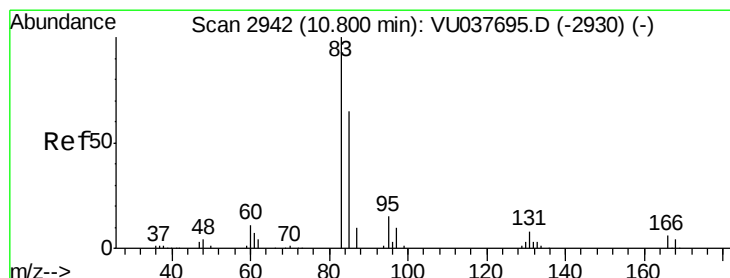
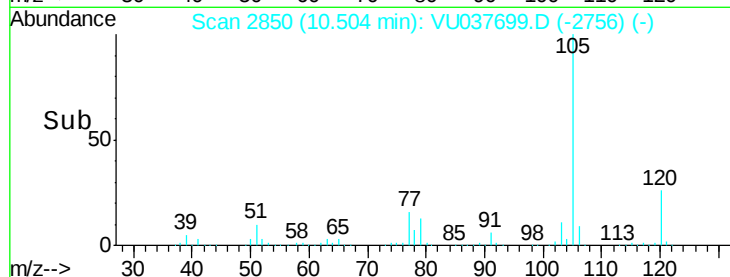
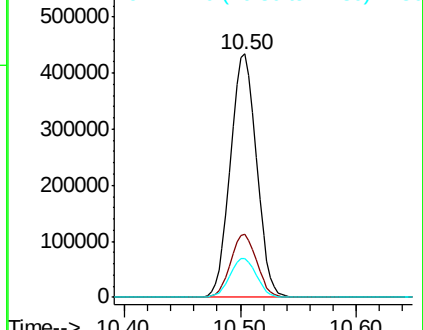
77 16.1 13.2 19.8



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: 5.153 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. -0.00 min

Lab File: VU037699.D

Acq: 14 Apr 2020 14:41

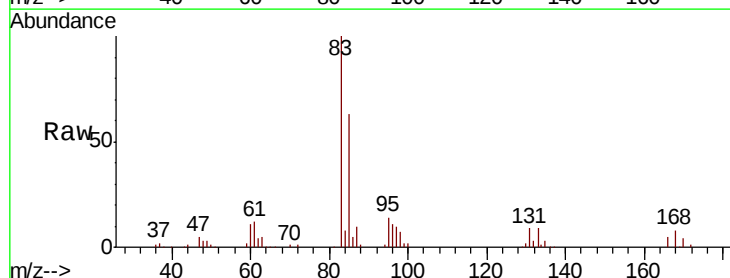
Tgt Ion: 83 Resp: 130733

Ion Ratio Lower Upper

83 100

85 62.8 45.3 84.1

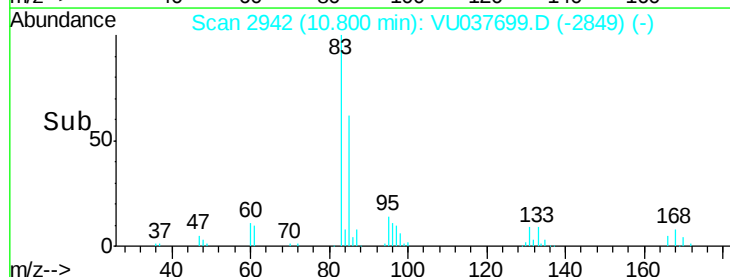
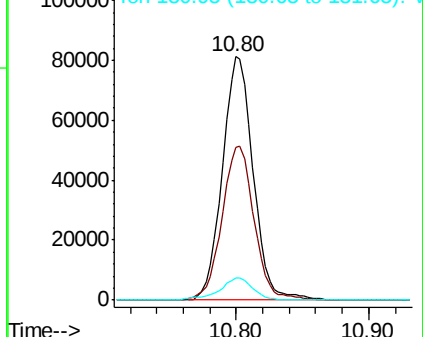
131 9.1 7.4 11.2

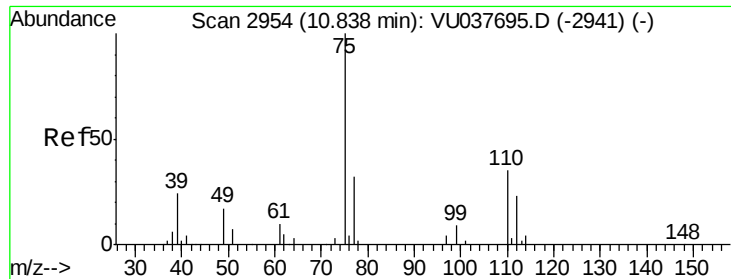


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.268 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU037699.D

Acq: 14 Apr 2020 14:41

Instrument :

MSVOA_U

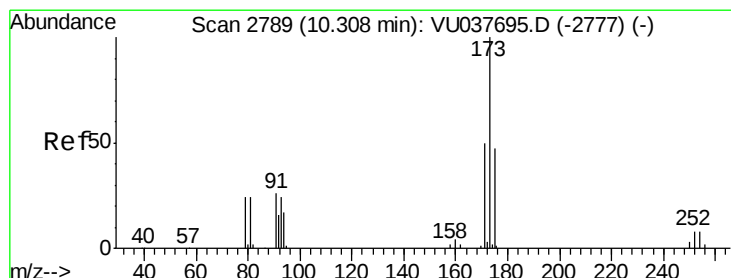
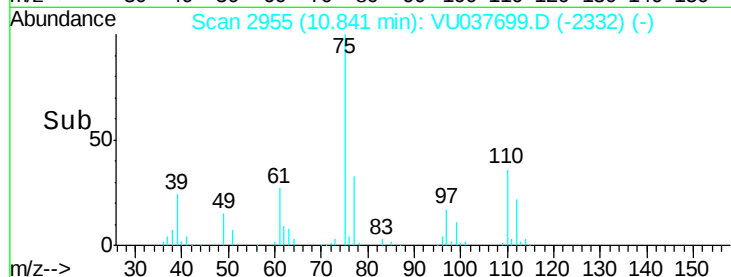
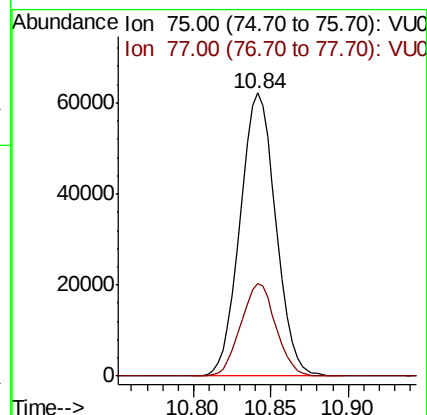
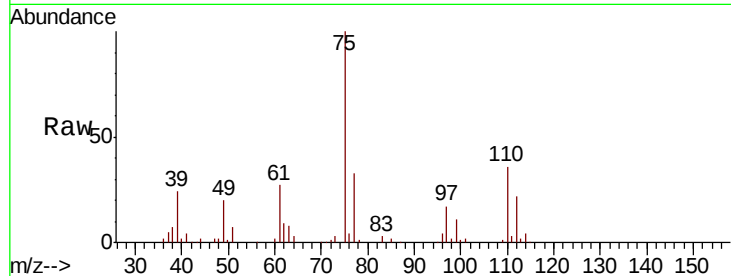
ClientSampleId :

Tot Ion: 75 Resp: 99710

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.2



#61

Bromoform

Concen: 5.248 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037699.D

Acq: 14 Apr 2020 14:41

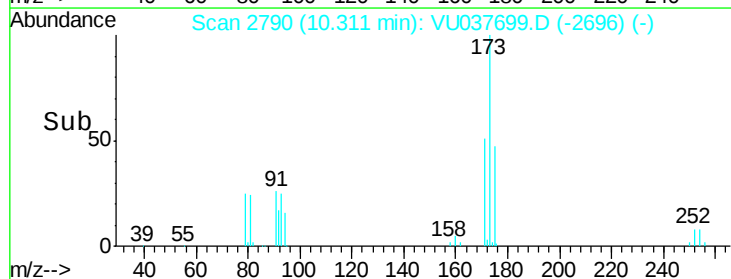
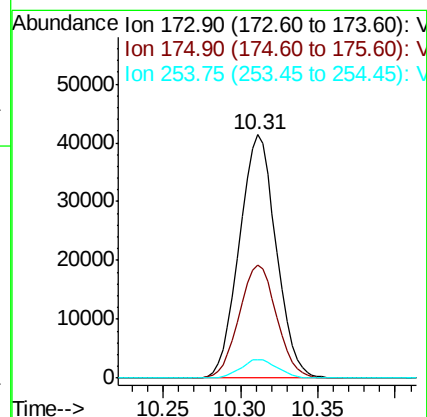
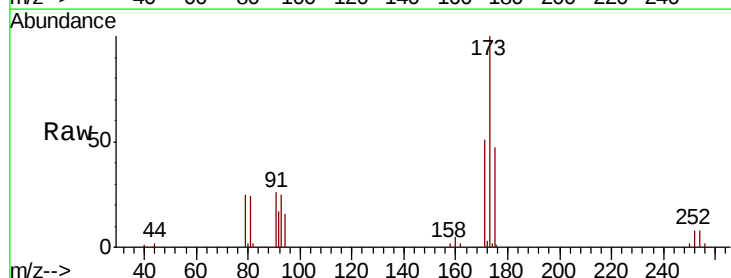
Tgt Ion: 173 Resp: 68413

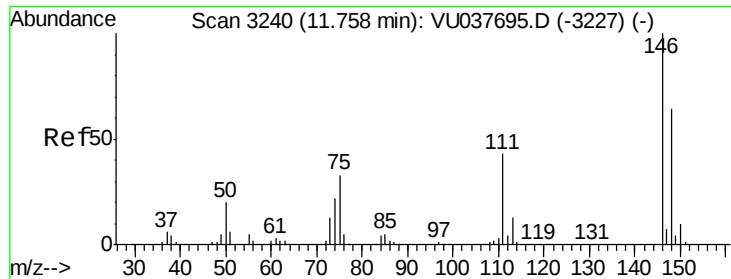
Ion Ratio Lower Upper

173 100

175 47.2 37.6 56.4

254 7.6 5.8 8.8





#62

1,3-Dichlorobenzene

Concen: 5.450 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU037699.D

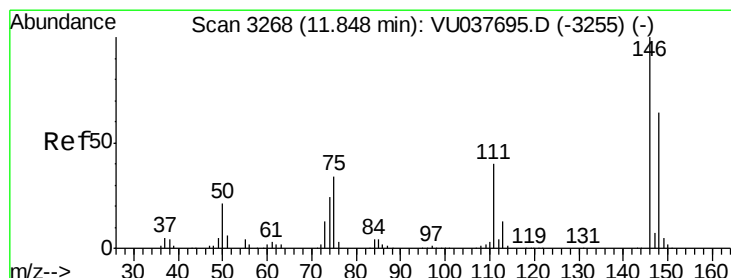
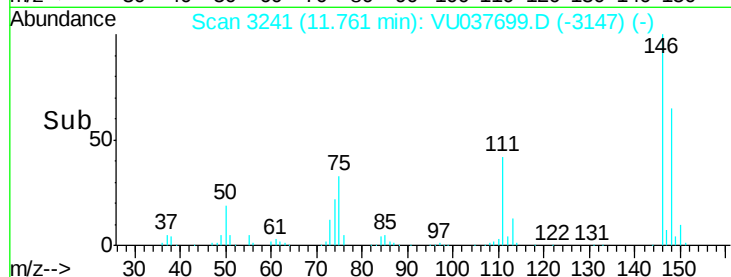
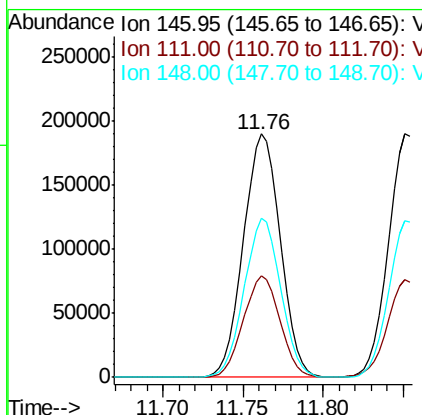
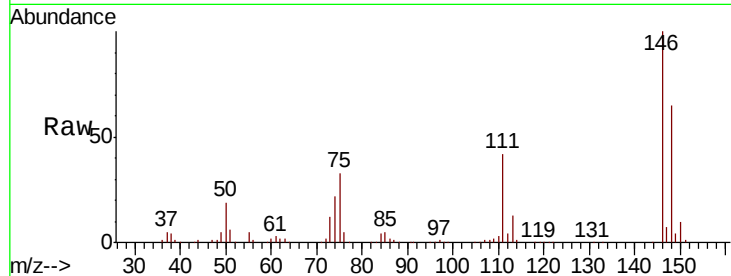
Acq: 14 Apr 2020 14:41

Instrument :

MSVOA_U

ClientSampled :

Tot Ion:146	Resp:	299451
Ion Ratio	Lower	Upper
146	100	
111	41.6	29.8 55.3
148	65.3	44.5 82.7



#63

1,4-Dichlorobenzene

Concen: 5.404 ug/L

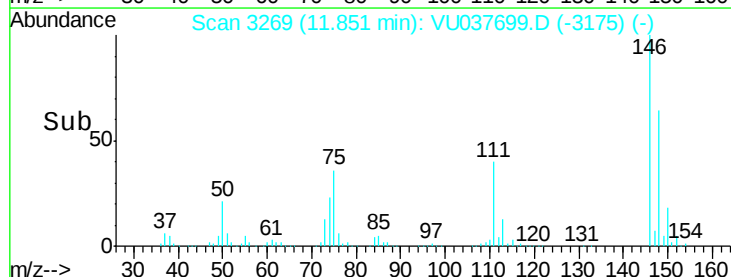
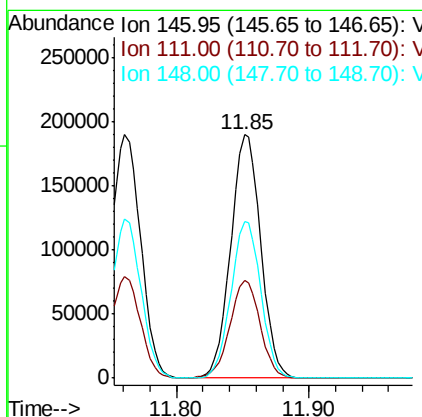
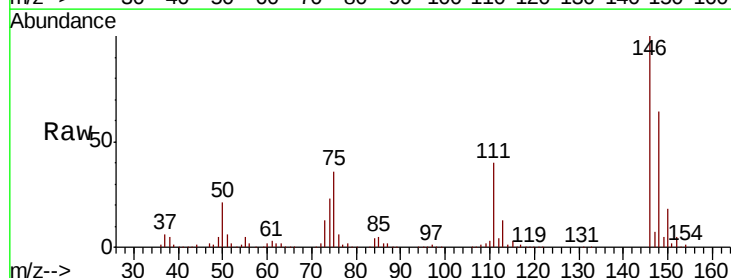
RT: 11.85 min Scan# 3269

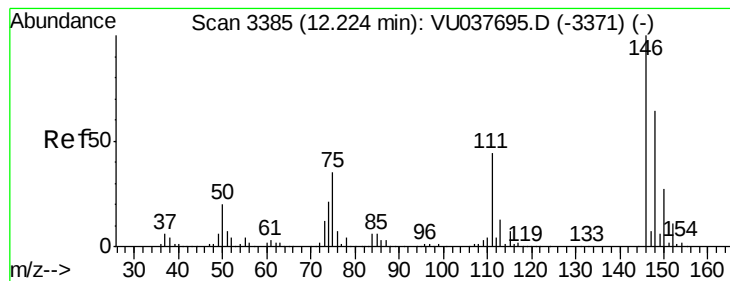
Delta R.T. 0.00 min

Lab File: VU037699.D

Acq: 14 Apr 2020 14:41

Tgt Ion:146	Resp:	297776
Ion Ratio	Lower	Upper
146	100	
111	40.0	28.4 52.8
148	64.5	44.9 83.3





#65

1,2-Dichlorobenzene

Concen: 5.362 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU037699.D

Acq: 14 Apr 2020 14:41

Instrument :

MSVOA_U

ClientSampled :

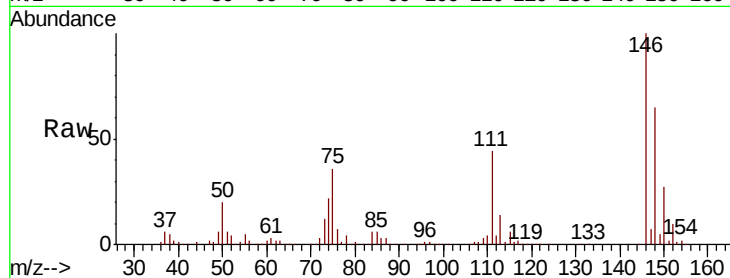
Tot Ion:146 Resp: 277339

Ion Ratio Lower Upper

146 100

111 43.8 35.0 52.6

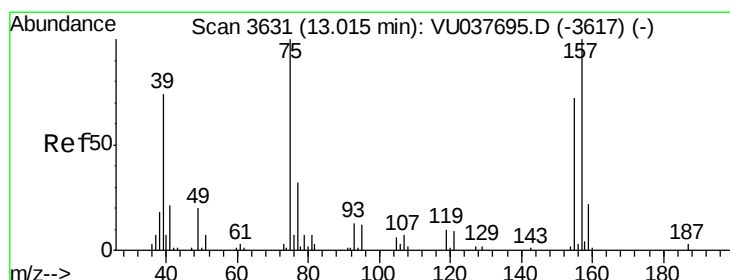
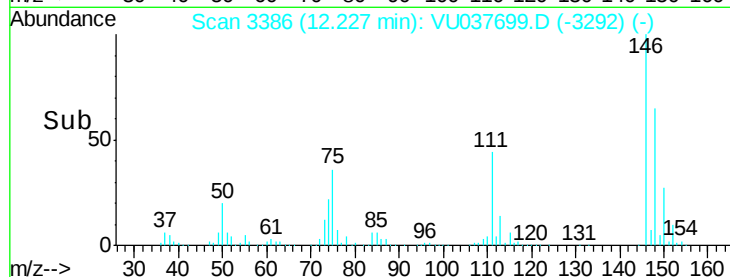
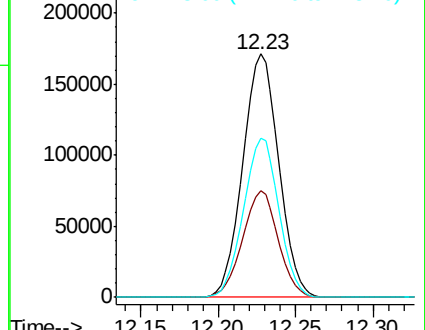
148 65.5 51.5 77.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.290 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. 0.01 min

Lab File: VU037699.D

Acq: 14 Apr 2020 14:41

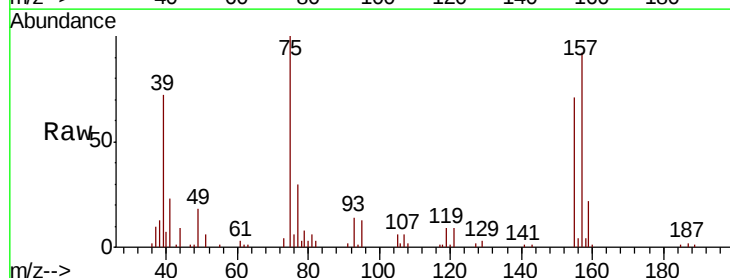
Tgt Ion: 75 Resp: 25364

Ion Ratio Lower Upper

75 100

155 70.6 57.9 86.9

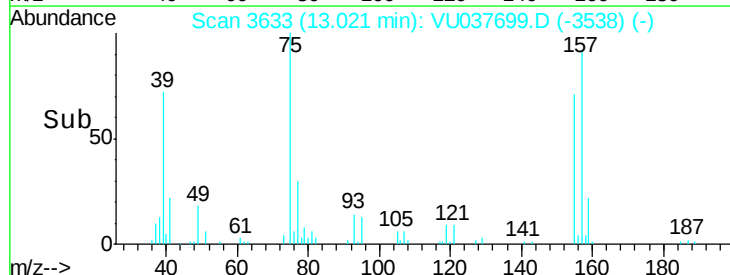
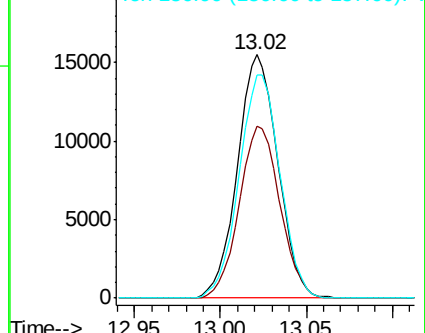
157 91.5 79.8 119.8

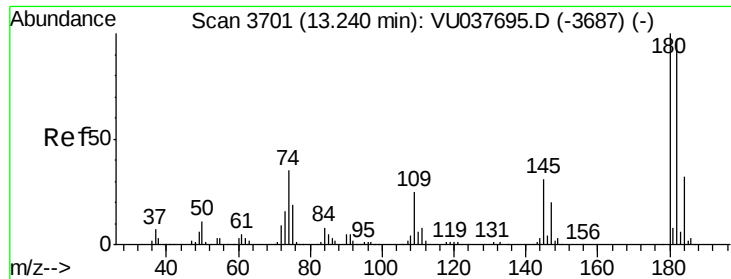


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

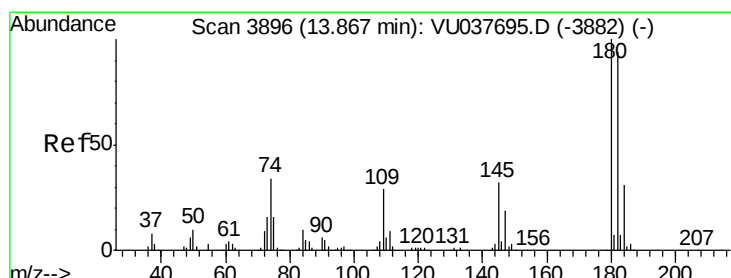
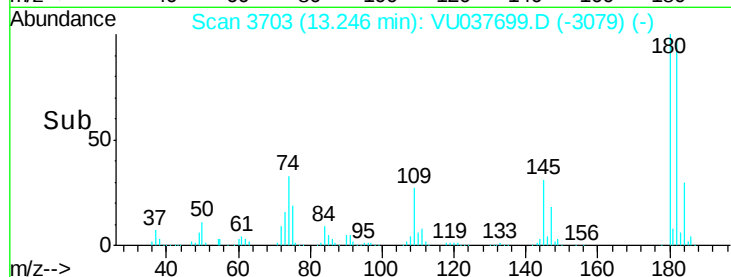
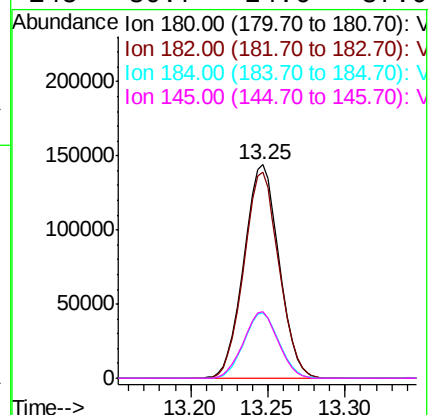
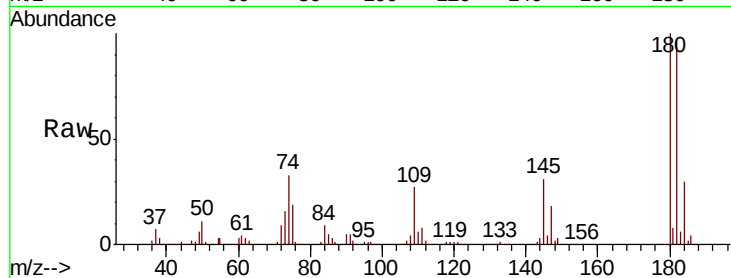




#67
 1,3,5-Trichlorobenzene
 Concen: 5.649 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.01 min
 Lab File: VU037699.D
 Acq: 14 Apr 2020 14:41

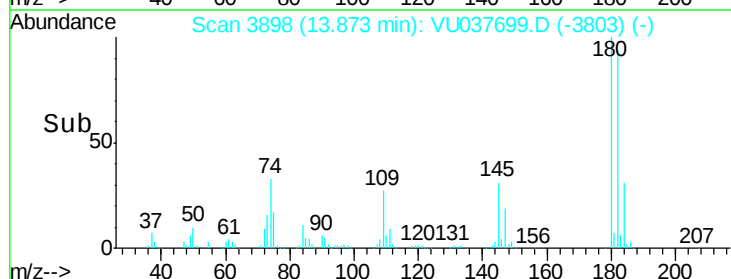
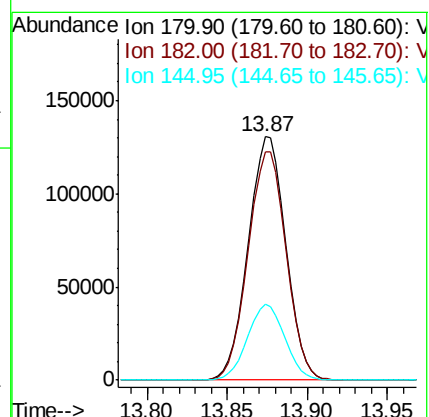
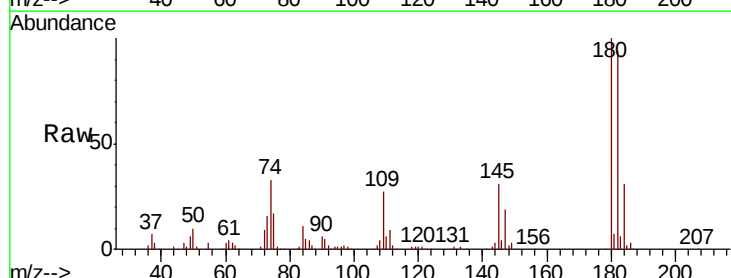
Instrument :
 MSVOA_U
 ClientSampleId :

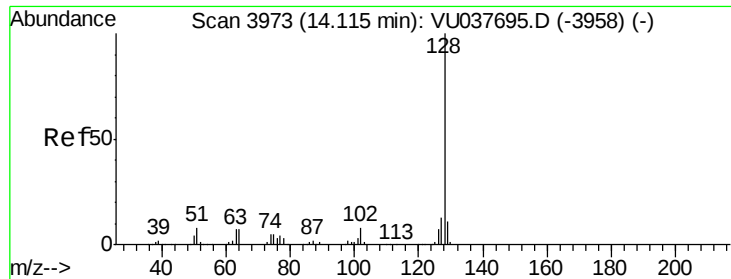
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.1	115.7
184	30.6	24.7	37.1
145	30.7	24.6	37.0



#68
 1,2,4-trichlorobenzene
 Concen: 5.658 ug/L
 RT: 13.87 min Scan# 3898
 Delta R.T. 0.01 min
 Lab File: VU037699.D
 Acq: 14 Apr 2020 14:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.4	114.6
145	30.7	25.1	37.7





#69

Naphthalene

Concen: 5.498 ug/L

RT: 14.12 min Scan# 3976

Delta R.T. 0.01 min

Lab File: VU037699.D

Acq: 14 Apr 2020 14:41

Instrument :

MSVOA_U

ClientSampleId :

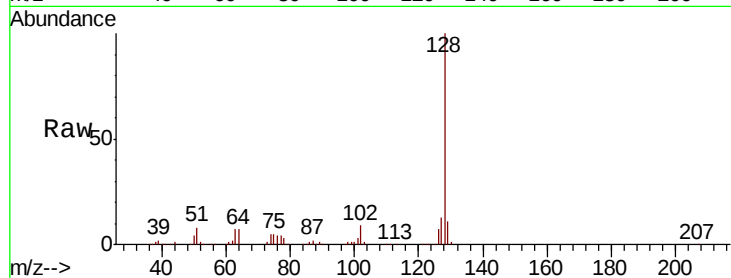
Tot Ion:128 Resp: 411805

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

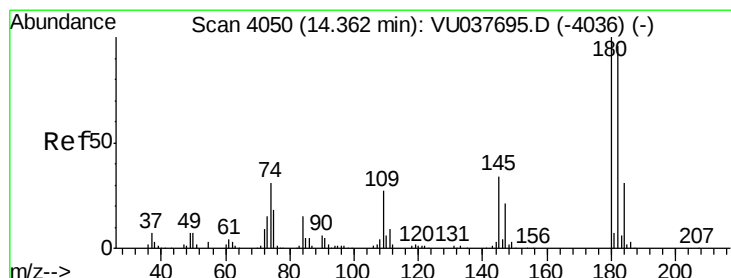
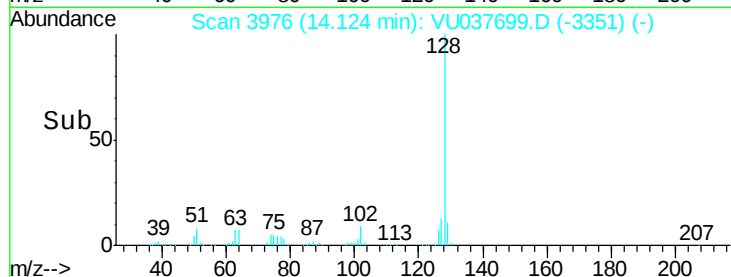
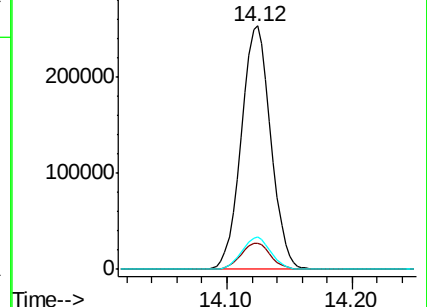
127 13.1 10.4 15.6



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: 5.548 ug/L

RT: 14.37 min Scan# 4052

Delta R.T. 0.01 min

Lab File: VU037699.D

Acq: 14 Apr 2020 14:41

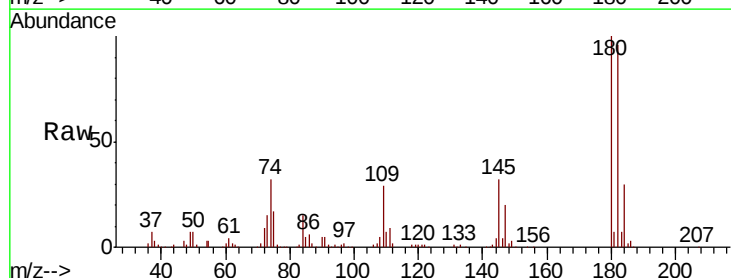
Tgt Ion:180 Resp: 182832

Ion Ratio Lower Upper

180 100

182 97.2 76.6 115.0

145 32.9 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

