

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041420\
 Data File : VU037695.D
 Acq On : 14 Apr 2020 12:02
 Operator : JC/MD
 Sample : VSTD00501
 Misc : 25mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 14 14:04:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 14 13:56:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	324279	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	307133	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	152323	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	122684	4.54	ug/L	0.00
7) Chloroethane-d5	1.93	69	102872	4.87	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	217006	4.54	ug/L	0.00
20) 2-Butanone-d5	4.67	46	348825	47.51	ug/L	0.00
24) Chloroform-d	5.10	84	197001	4.35	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	109595	4.34	ug/L	0.00
32) Benzene-d6	5.76	84	417940	4.47	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	136028	4.45	ug/L	0.00
41) Toluene-d8	7.92	98	381195	4.45	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	59946	4.40	ug/L	0.00
46) 2-Hexanone-d5	8.65	63	316011	46.84	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	106873	4.31	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	134669	4.33	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	140729	5.438	ug/L 100
3) Chloromethane	1.53	50	168504	6.078	ug/L 100
5) Vinyl chloride	1.62	62	168487	6.054	ug/L 100
6) Bromomethane	1.87	94	94112	6.837	ug/L 100
8) Chloroethane	1.95	64	98186	5.726	ug/L 100
9) Trichlorofluoromethane	2.16	101	180507	4.673	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	106840	4.841	ug/L 100
12) 1,1-Dichloroethene	2.60	96	107612	4.988	ug/L 100
13) Acetone	2.66	43	212034	50.044	ug/L 100
14) Carbon disulfide	2.82	76	395671	5.443	ug/L 100
15) Methyl Acetate	2.98	43	59268	4.725	ug/L 100
16) Methylene chloride	3.08	84	120916	4.789	ug/L 100
17) Methyl tert-butyl Ether	3.40	73	312045	5.094	ug/L 100
18) trans-1,2-Dichloroethene	3.39	96	118955	5.053	ug/L 100
19) 1,1-Dichloroethane	3.91	63	225379	5.075	ug/L 100
21) 2-Butanone	4.75	43	394567	52.582	ug/L 100
22) cis-1,2-Dichloroethene	4.71	96	127410	4.977	ug/L 100
23) Bromochloromethane	5.02	128	53597	4.818	ug/L 100
25) Chloroform	5.13	83	216091	4.793	ug/L 100
27) 1,2-Dichloroethane	5.83	62	144634	4.962	ug/L 100
29) 1,1,1-Trichloroethane	5.35	97	181881	4.638	ug/L 100
30) Cyclohexane	5.42	56	231167	5.249	ug/L 100
31) Carbon tetrachloride	5.56	117	145848	4.609	ug/L 100
33) Benzene	5.81	78	495752	5.035	ug/L 100
34) Trichloroethene	6.57	95	122790	4.763	ug/L 100
35) Methylcyclohexane	6.79	83	218415	5.022	ug/L 100
37) 1,2-Dichloropropane	6.82	63	132205	4.999	ug/L 100
38) Bromodichloromethane	7.13	83	157888	4.708	ug/L 100
39) cis-1,3-Dichloropropene	7.63	75	205204	5.013	ug/L 100
40) 4-Methyl-2-pentanone	7.82	43	961590	51.410	ug/L 100

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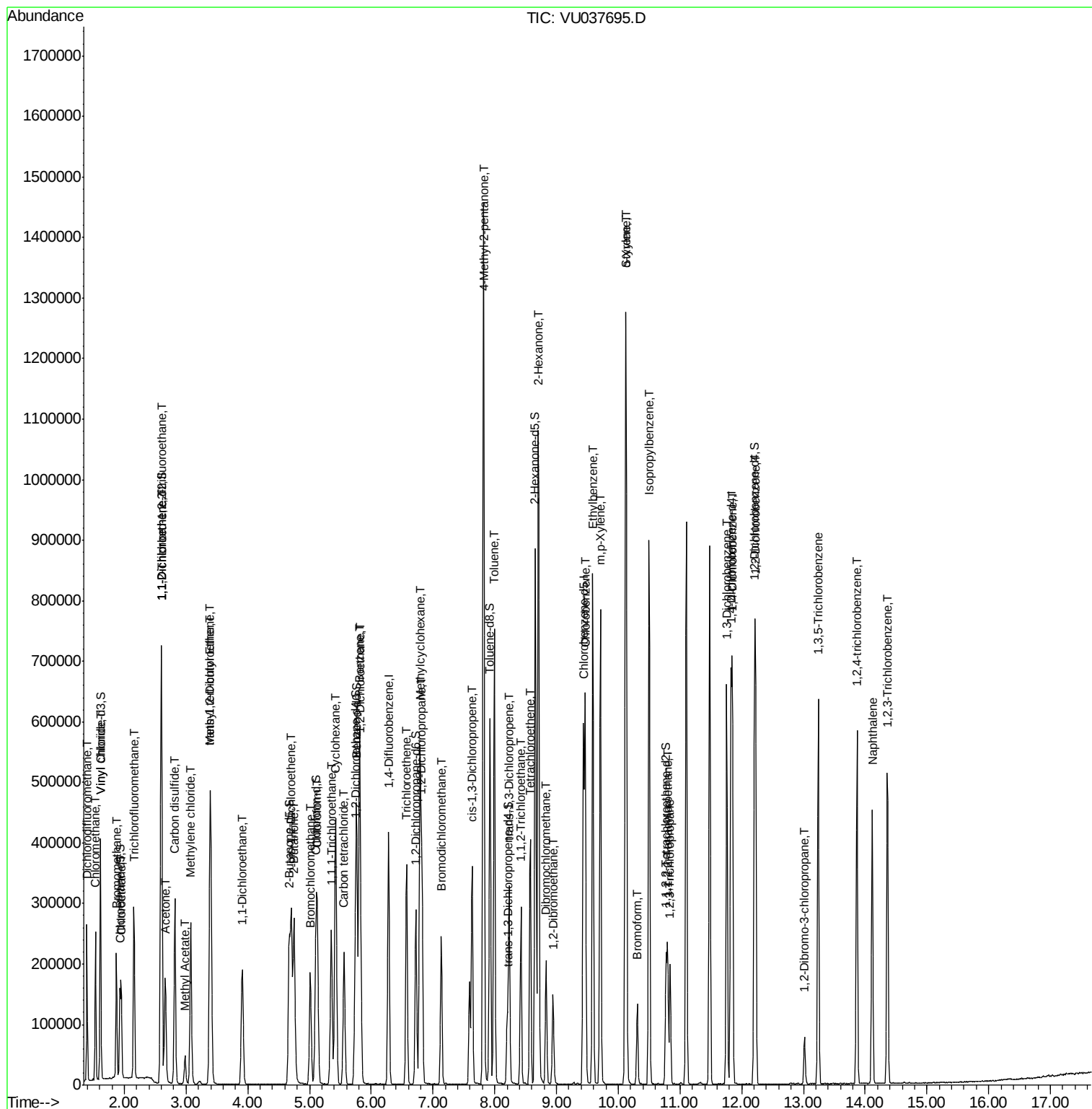
42) Toluene	7.99	91	526906	5.043	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	179657	5.053	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	87505	4.763	ug/L	100
47) Tetrachloroethene	8.57	164	87521	5.156	ug/L	100
48) 2-Hexanone	8.71	43	687922	50.925	ug/L	100
49) Dibromochloromethane	8.83	129	101040	4.646	ug/L	100
50) 1,2-Dibromoethane	8.94	107	83770	4.694	ug/L	100
51) Chlorobenzene	9.47	112	317578	4.935	ug/L	100
52) Ethylbenzene	9.59	91	582895	4.917	ug/L	100
53) m,p-Xylene	9.71	106	218311	4.892	ug/L	100
54) o-Xylene	10.12	106	214597	4.994	ug/L	100
55) Styrene	10.13	104	370826	4.994	ug/L	100
56) Isopropylbenzene	10.50	105	573374	4.896	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	115357	4.676	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	85912	4.962	ug/L	100
61) Bromoform	10.31	173	59533	4.760	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	252646	4.986	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	250355	4.857	ug/L	100
65) 1,2-Dichlorobenzene	12.22	146	233381	4.807	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.01	75	21644	4.674	ug/L	100
67) 1,3,5-Trichlorobenzene	13.24	180	186674	5.049	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	171212	5.001	ug/L	100
69) Naphthalene	14.11	128	341430	4.559	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	153566	5.033	ug/L	100

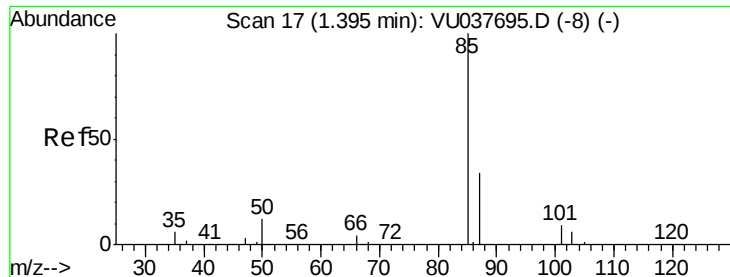
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.438 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037695.D

Acq: 14 Apr 2020 12:02

Instrument :

MSVOA_U

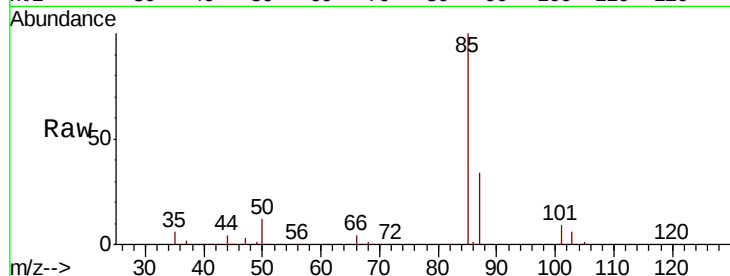
ClientSampleId :

Tot Ion: 85 Resp: 140729

Ion Ratio Lower Upper

85 100

87 32.8 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU037695.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU037695.D (-8) (-)

1.39

150000

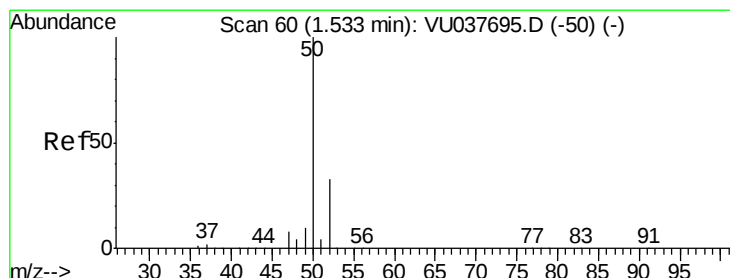
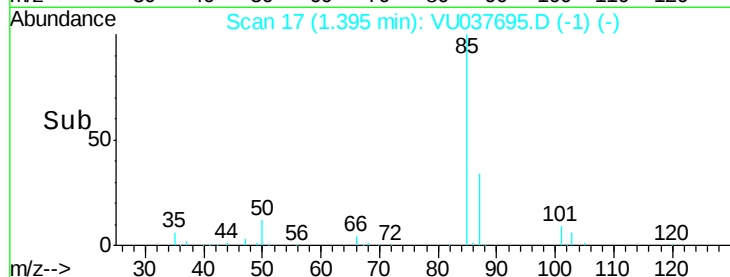
100000

50000

0

1.35 1.40 1.45

Time-->



#3

Chloromethane

Concen: 6.078 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU037695.D

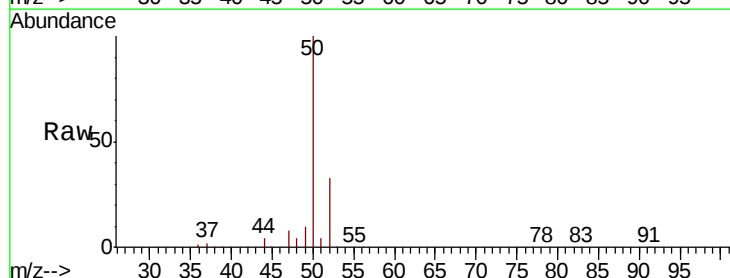
Acq: 14 Apr 2020 12:02

Tgt Ion: 50 Resp: 168504

Ion Ratio Lower Upper

50 100

52 32.8 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU037695.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU037695.D (-50) (-)

1.53

150000

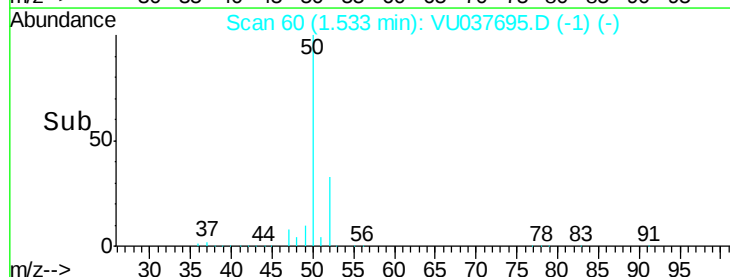
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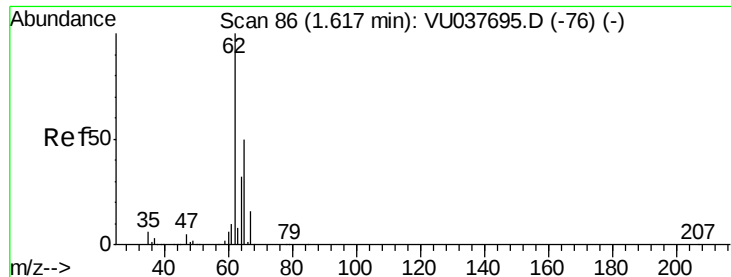
50000

0

1.50 1.55 1.60

Time-->





#5

Vinyl chloride

Concen: 6.054 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037695.D

Acq: 14 Apr 2020 12:02

Instrument :

MSVOA_U

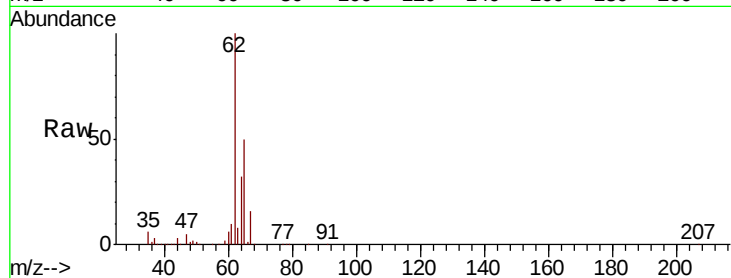
ClientSampleId :

Tot Ion: 62 Resp: 168487

Ion Ratio Lower Upper

62 100

64 31.6 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VU037695.D (-76) (-)

Ion 64.10 (63.80 to 64.80): VU037695.D (-76) (-)

1.62

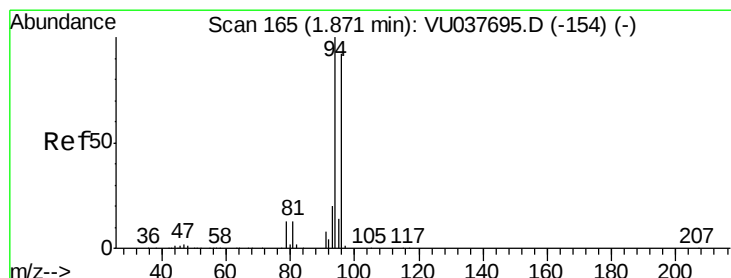
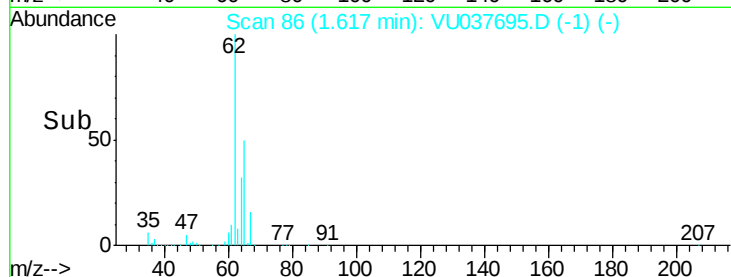
150000

100000

50000

0

Time--> 1.55 1.60 1.65



#6

Bromomethane

Concen: 6.837 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU037695.D

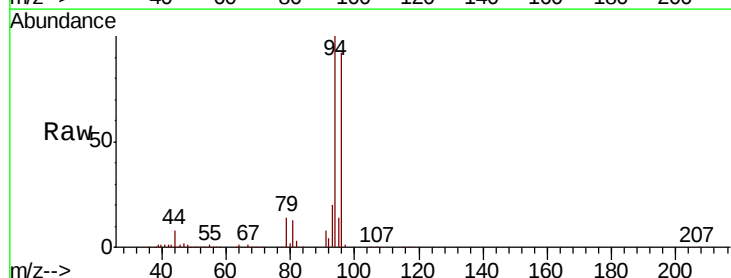
Acq: 14 Apr 2020 12:02

Tgt Ion: 94 Resp: 94112

Ion Ratio Lower Upper

94 100

96 92.0 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VU037695.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU037695.D (-154) (-)

1.87

80000

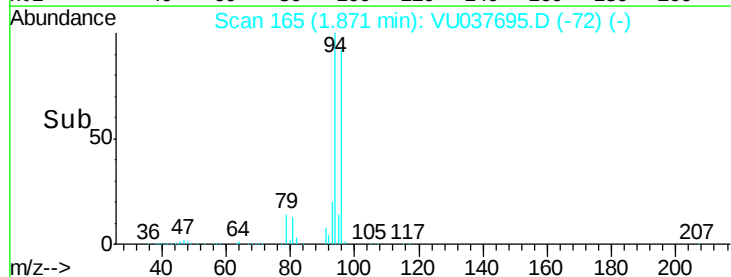
60000

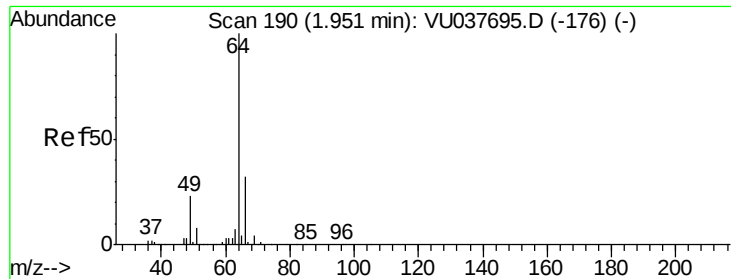
40000

20000

0

Time--> 1.80 1.85 1.90 1.95





#8

Chloroethane

Concen: 5.726 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU037695.D

Acq: 14 Apr 2020 12:02

Instrument :

MSVOA_U

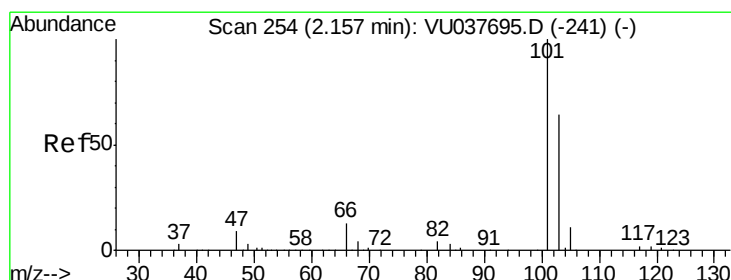
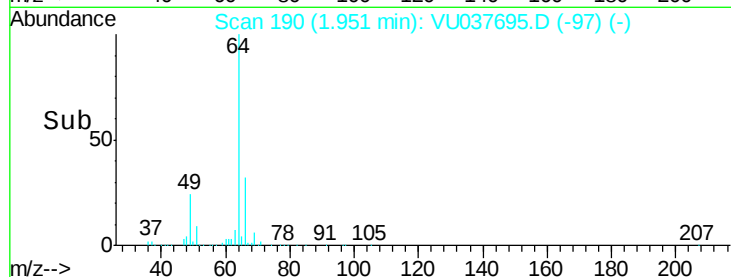
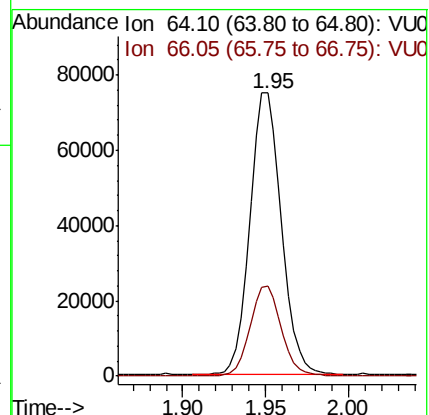
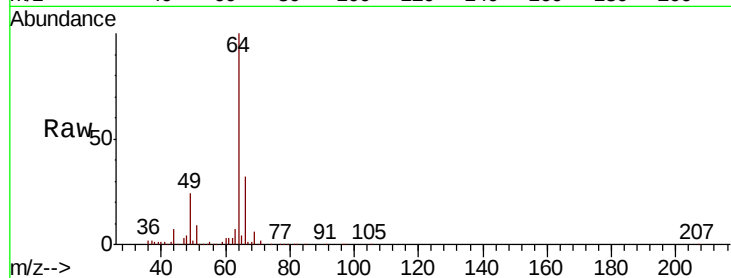
ClientSampleId :

Tot Ion: 64 Resp: 98186

Ion Ratio Lower Upper

64 100

66 31.9 22.3 41.5



#9

Trichlorofluoromethane

Concen: 4.673 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU037695.D

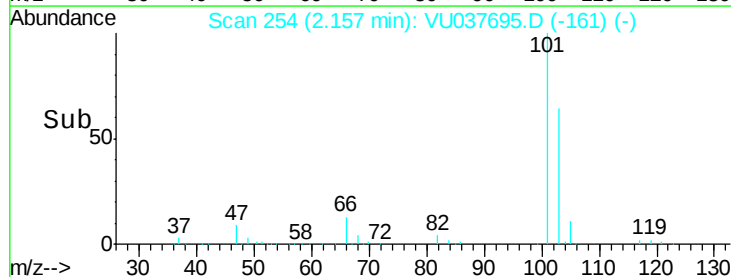
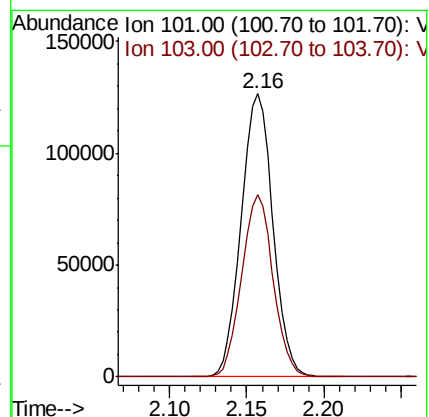
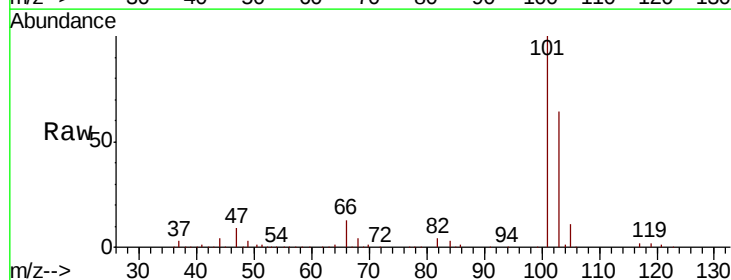
Acq: 14 Apr 2020 12:02

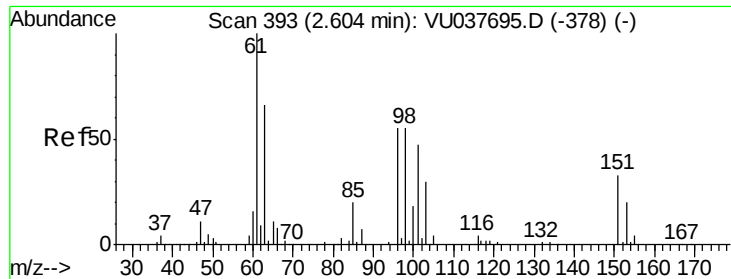
Tgt Ion: 101 Resp: 180507

Ion Ratio Lower Upper

101 100

103 63.8 51.0 76.6





#10

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

Concen: 4.841 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037695.D

Acq: 14 Apr 2020 12:02

Instrument :

MSVOA_U

ClientSampled :

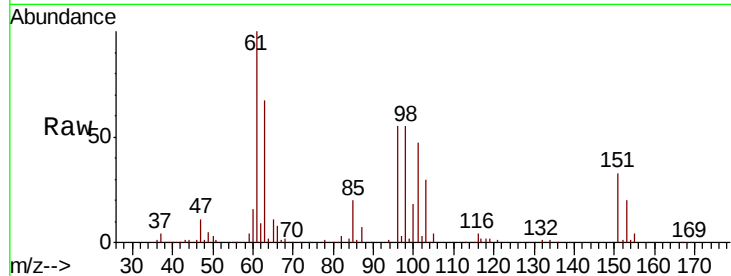
Tot Ion:101 Resp: 106840

Ion Ratio Lower Upper

101 100

85 43.1 34.5 51.7

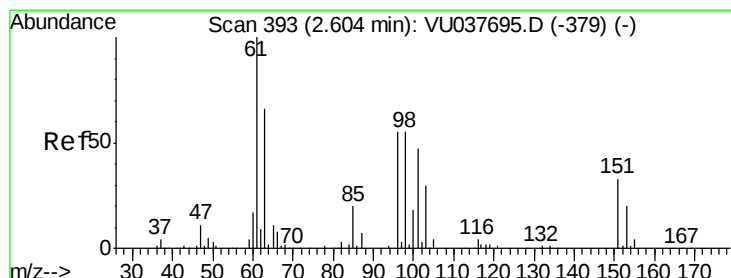
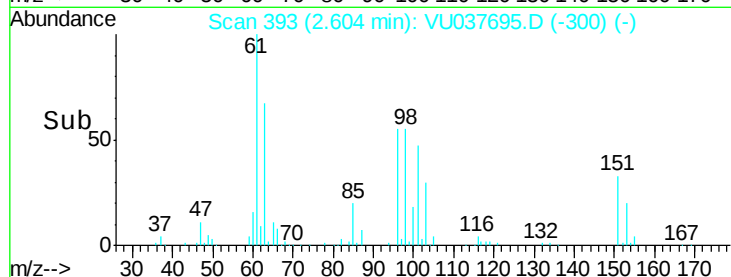
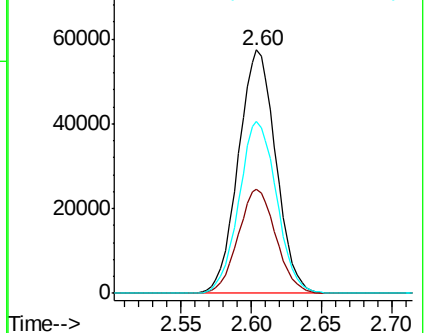
151 71.1 56.9 85.3



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: 4.988 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037695.D

Acq: 14 Apr 2020 12:02

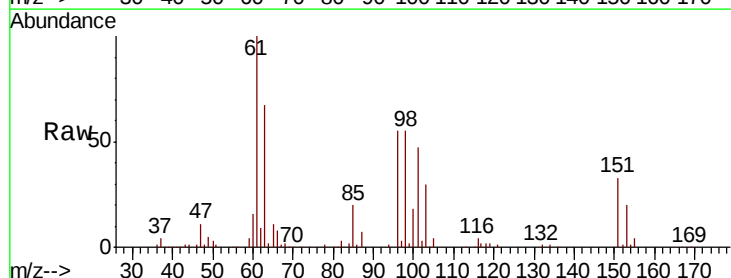
Tgt Ion: 96 Resp: 107612

Ion Ratio Lower Upper

96 100

61 182.5 127.7 237.3

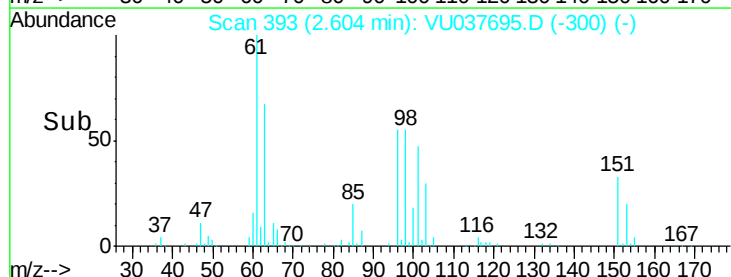
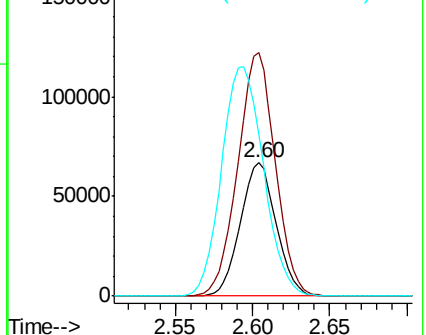
63 121.4 85.0 157.8

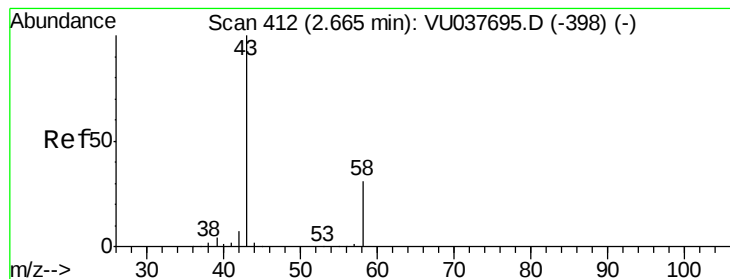


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 50.044 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.00 min

Lab File: VU037695.D

Acq: 14 Apr 2020 12:02

Instrument :

MSVOA_U

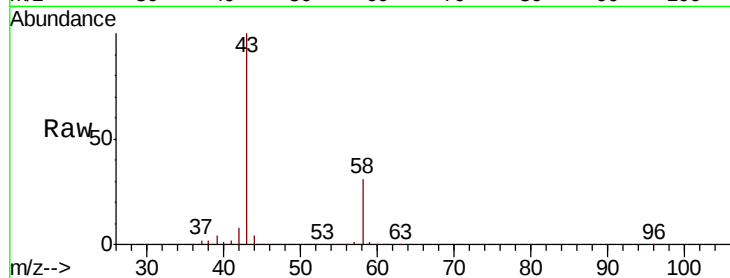
ClientSampleId :

Tot Ion: 43 Resp: 212034

Ion Ratio Lower Upper

43 100

58 32.4 0.0 64.8



Abundance Ion 43.05 (42.75 to 43.75): VU037695.D (-398) (-)

Ion 58.05 (57.75 to 58.75): VU037695.D (-398) (-)

2.66

120000

100000

80000

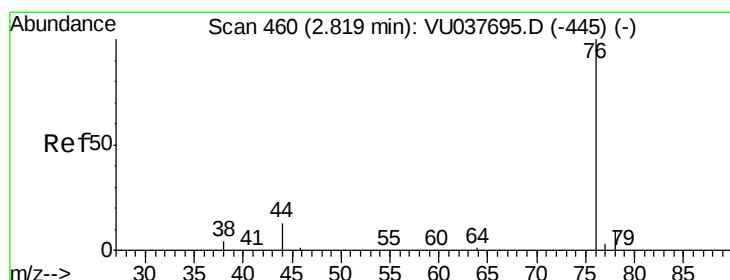
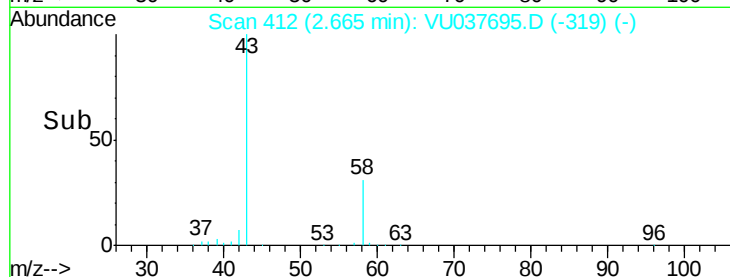
60000

40000

20000

0

Time-->



#14

Carbon disulfide

Concen: 5.443 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037695.D

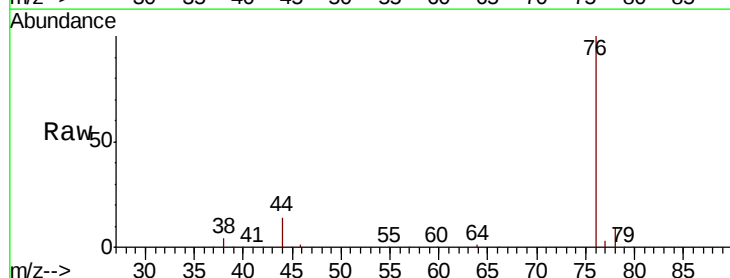
Acq: 14 Apr 2020 12:02

Tgt Ion: 76 Resp: 395671

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU037695.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU037695.D (-445) (-)

2.82

250000

200000

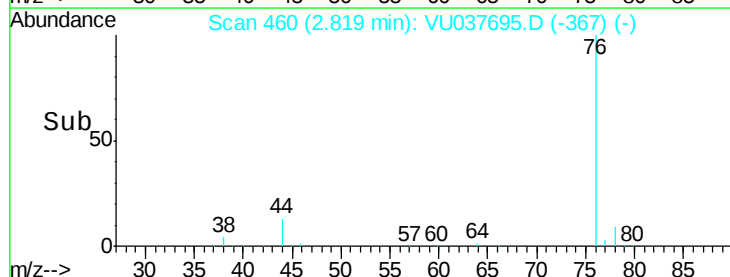
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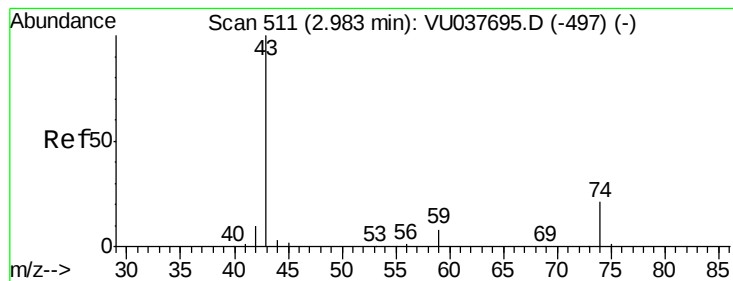
100000

50000

0

Time-->





#15

Methyl Acetate

Concen: 4.725 ug/L

RT: 2.98 min Scan# 511

Delta R.T. 0.00 min

Lab File: VU037695.D

Acq: 14 Apr 2020 12:02

Instrument :

MSVOA_U

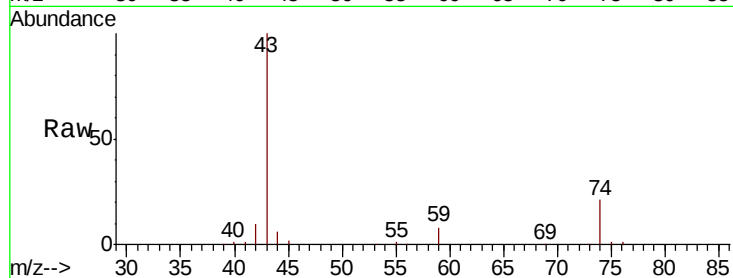
ClientSampleId :

Tot Ion: 43 Resp: 59268

Ion Ratio Lower Upper

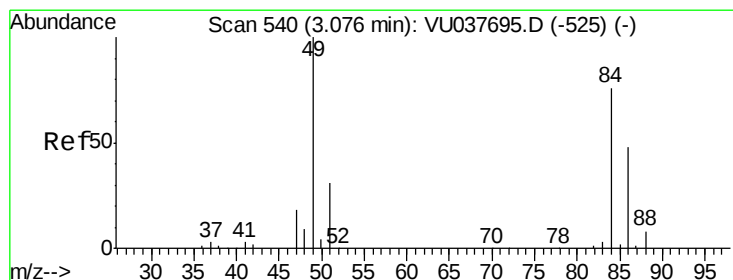
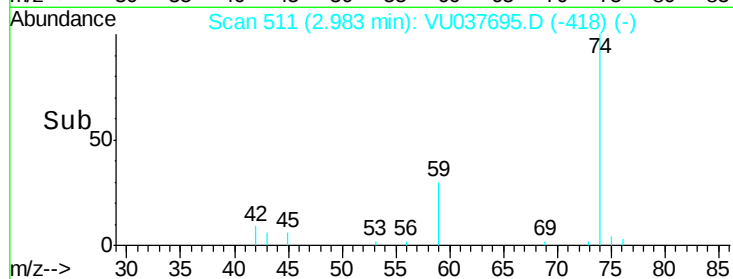
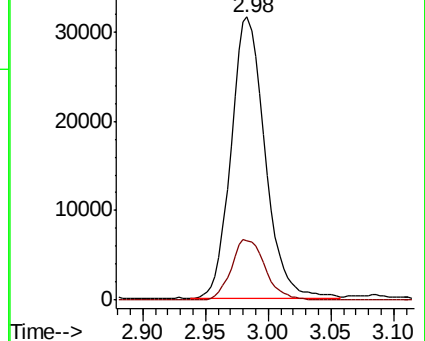
43 100

74 21.5 17.2 25.8



Abundance Ion 43.05 (42.75 to 43.75): VU037695.D (-497) (-)

Ion 74.05 (73.75 to 74.75): VU037695.D (-497) (-)



#16

Methylene chloride

Concen: 4.789 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU037695.D

Acq: 14 Apr 2020 12:02

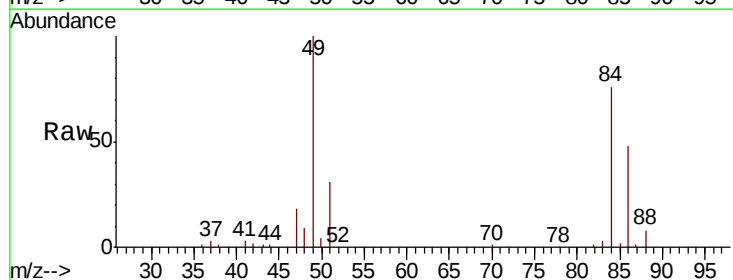
Tgt Ion: 84 Resp: 120916

Ion Ratio Lower Upper

84 100

86 63.1 44.2 82.0

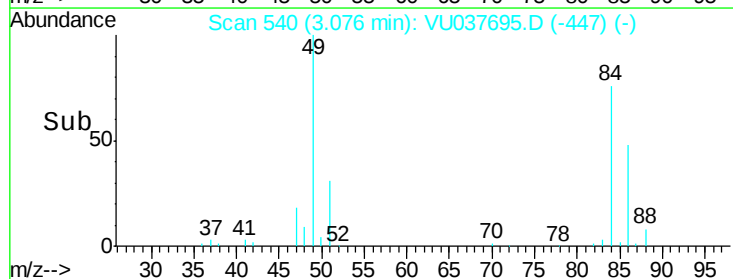
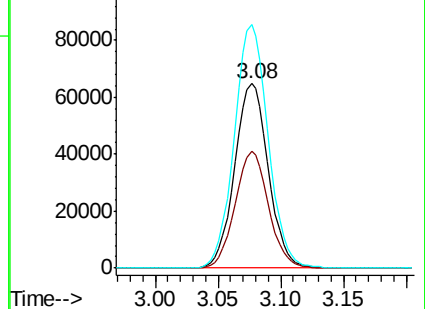
49 132.0 92.4 171.6

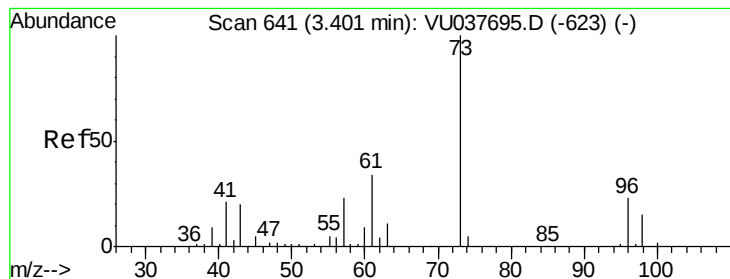


Abundance Ion 84.05 (83.75 to 84.75): VU037695.D (-525) (-)

Ion 86.00 (85.70 to 86.70): VU037695.D (-525) (-)

Ion 49.10 (48.80 to 49.80): VU037695.D (-525) (-)



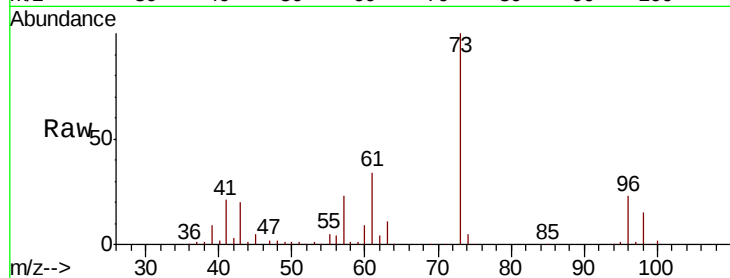


#17

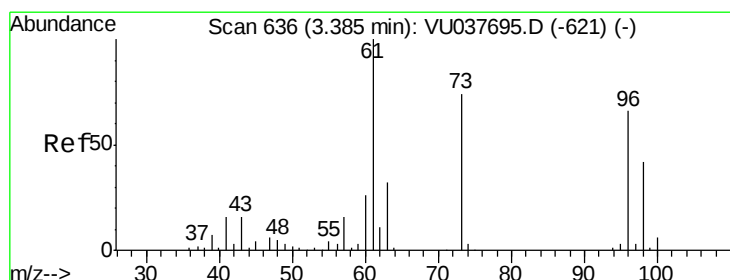
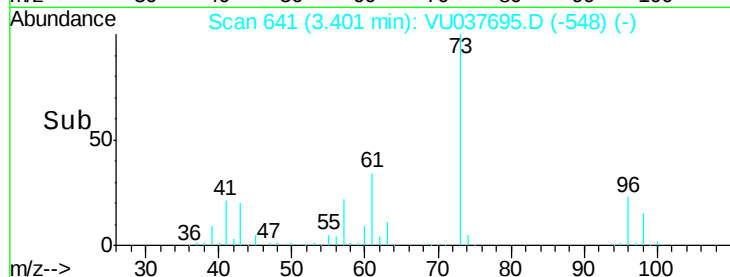
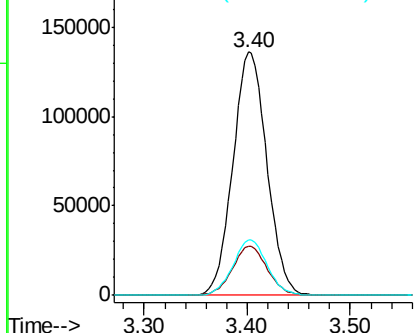
Methvl tert-butvl Ether
 Concen: 5.094 ug/L
 RT: 3.40 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: VU037695.D
 Acq: 14 Apr 2020 12:02

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 73 Resp: 312045
 Ion Ratio Lower Upper
 73 100
 43 20.5 16.4 24.6
 57 23.0 18.4 27.6



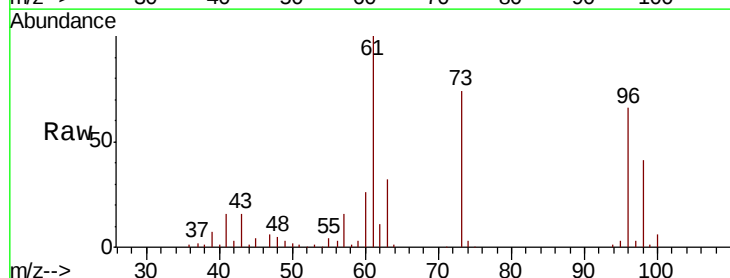
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



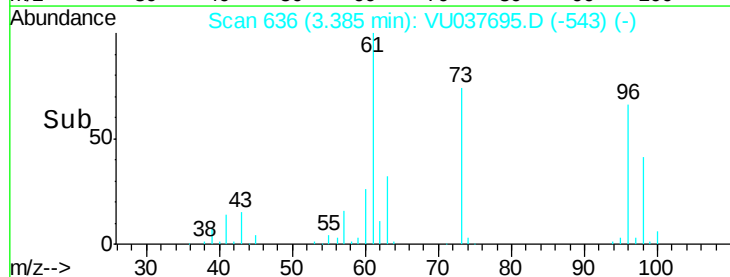
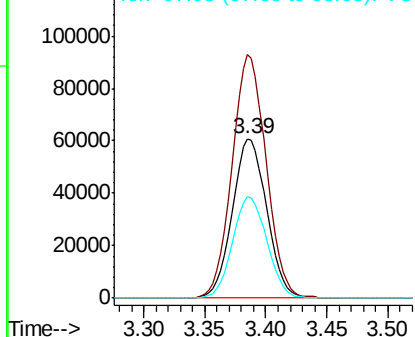
#18

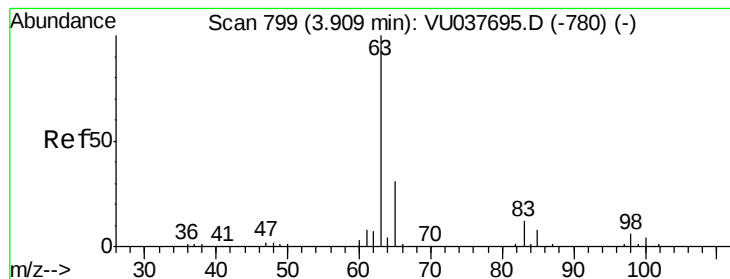
trans-1,2-Dichloroethene
 Concen: 5.053 ug/L
 RT: 3.39 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VU037695.D
 Acq: 14 Apr 2020 12:02

Tgt Ion: 96 Resp: 118955
 Ion Ratio Lower Upper
 96 100
 61 152.5 106.7 198.3
 98 63.3 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: 5.075 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU037695.D

Acq: 14 Apr 2020 12:02

Instrument :

MSVOA_U

ClientSampleId :

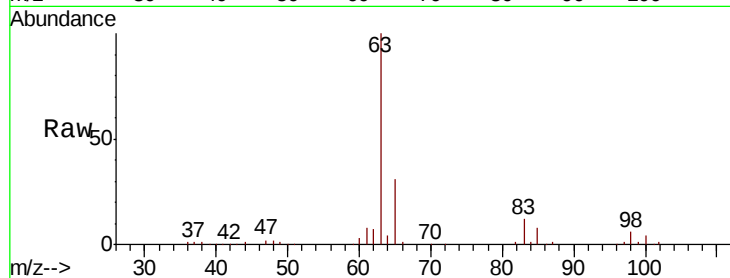
Tot Ion: 63 Resp: 225379

Ion Ratio Lower Upper

63 100

65 30.9 21.6 40.2

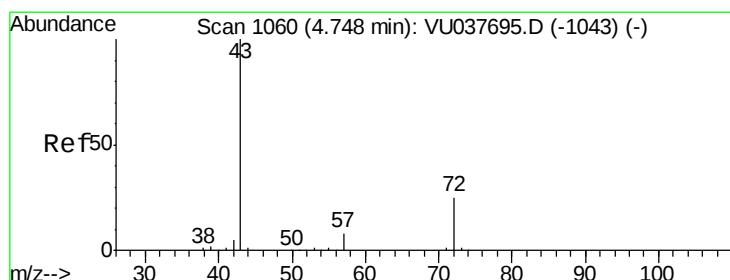
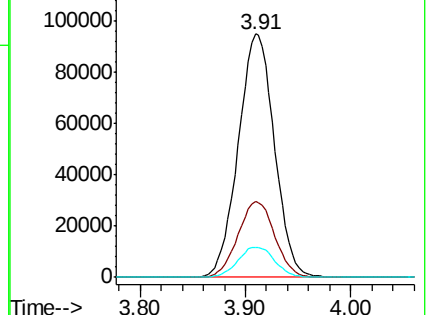
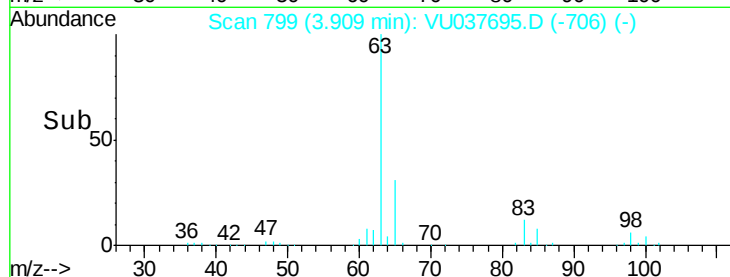
83 12.3 8.6 16.0



Abundance Ion 63.10 (62.80 to 63.80): VU037695.D (-780) (-)

Ion 65.10 (64.80 to 65.80): VU037695.D (-780) (-)

Ion 83.05 (82.75 to 83.75): VU037695.D (-780) (-)



#21

2-Butanone

Concen: 52.582 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. 0.00 min

Lab File: VU037695.D

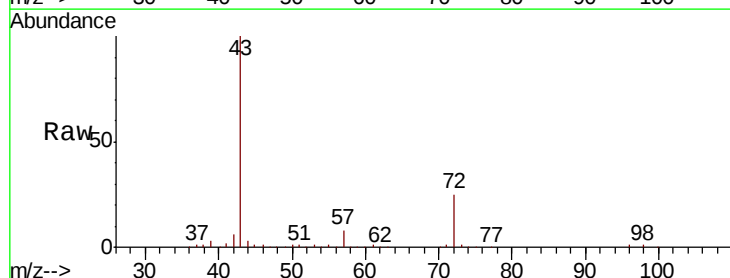
Acq: 14 Apr 2020 12:02

Tgt Ion: 43 Resp: 394567

Ion Ratio Lower Upper

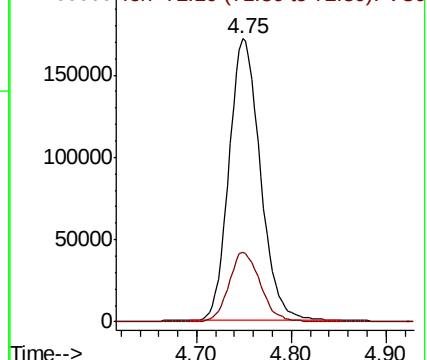
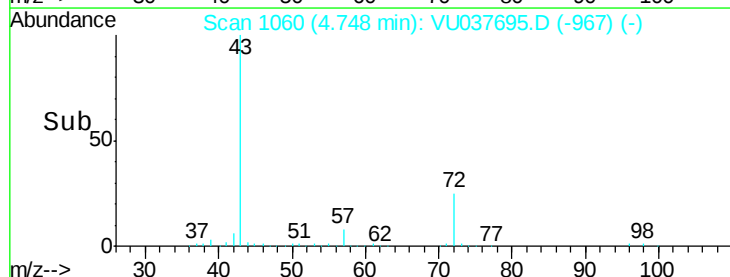
43 100

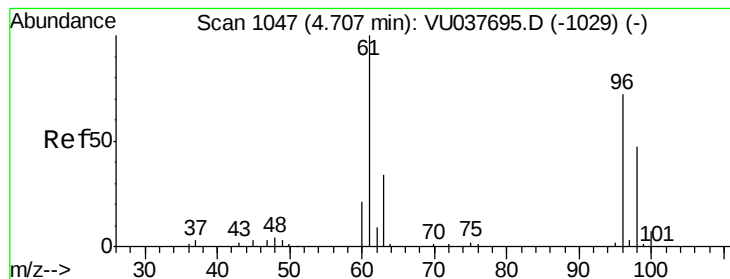
72 25.1 12.6 37.6



Abundance Ion 43.05 (42.75 to 43.75): VU037695.D (-1043) (-)

Ion 72.10 (71.80 to 72.80): VU037695.D (-1043) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.977 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU037695.D

Acq: 14 Apr 2020 12:02

Instrument :

MSVOA_U

ClientSampled :

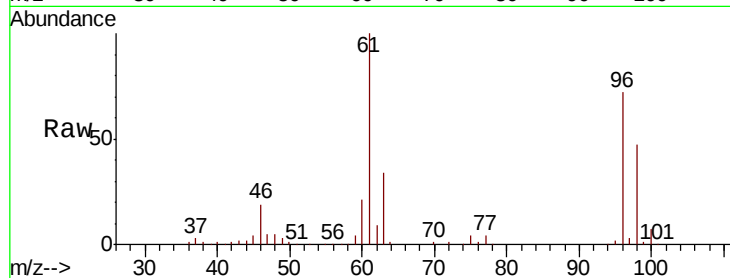
Tot Ion: 96 Resp: 127410

Ion Ratio Lower Upper

96 100

61 138.6 97.0 180.2

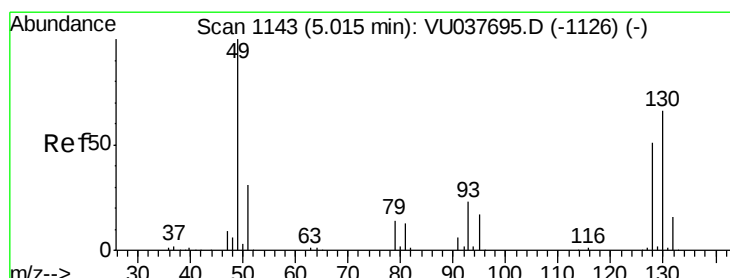
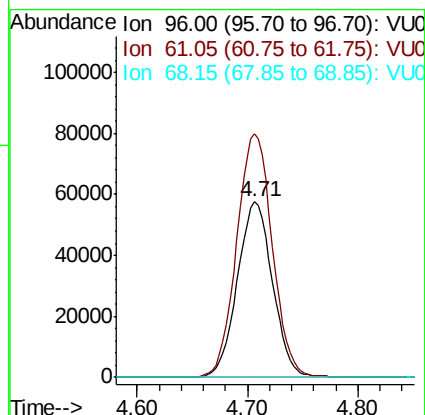
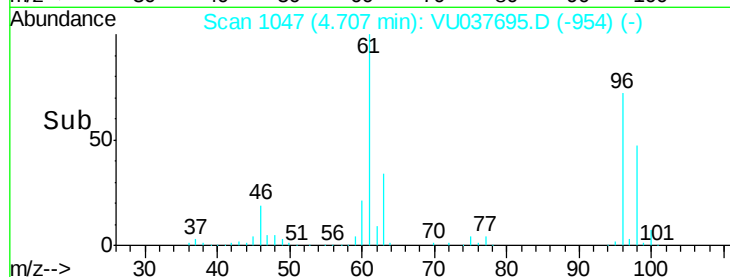
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037695.D (-1029) (-)

Ion 61.05 (60.75 to 61.75): VU037695.D (-1029) (-)

Ion 68.15 (67.85 to 68.85): VU037695.D (-1029) (-)



#23

Bromochloromethane

Concen: 4.818 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU037695.D

Acq: 14 Apr 2020 12:02

Tgt Ion: 128 Resp: 53597

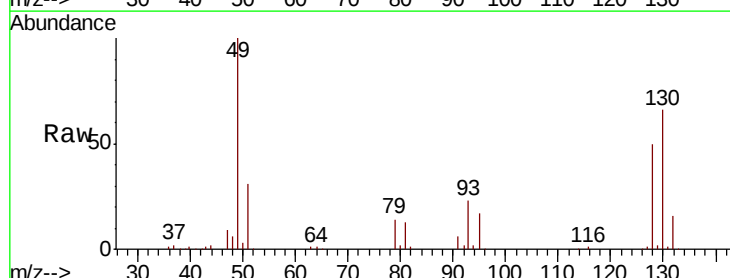
Ion Ratio Lower Upper

128 100

49 198.0 138.6 257.4

130 130.4 91.3 169.5

51 61.6 49.3 73.9

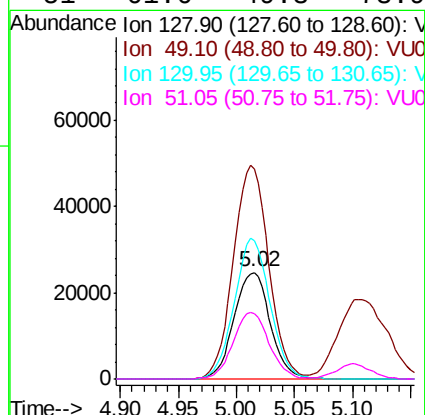
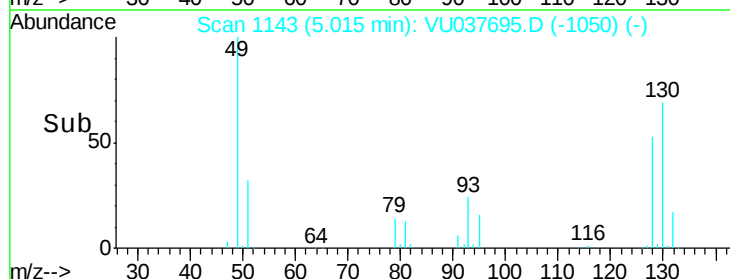


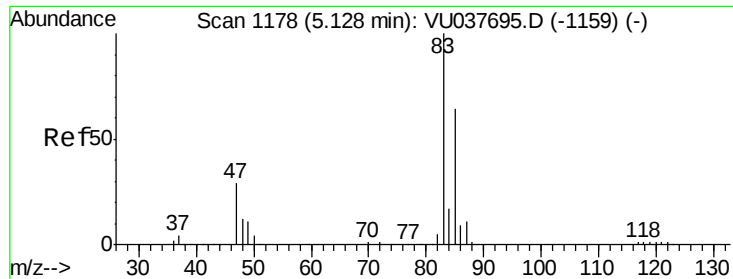
Abundance Ion 127.90 (127.60 to 128.60): VU037695.D (-1126) (-)

Ion 49.10 (48.80 to 49.80): VU037695.D (-1126) (-)

Ion 129.95 (129.65 to 130.65): VU037695.D (-1126) (-)

Ion 51.05 (50.75 to 51.75): VU037695.D (-1126) (-)

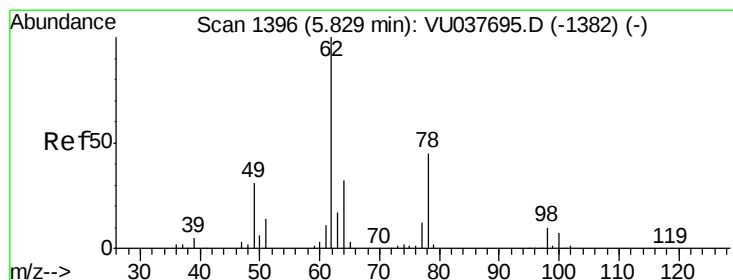
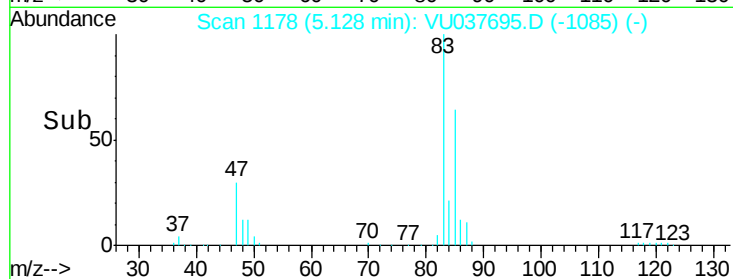
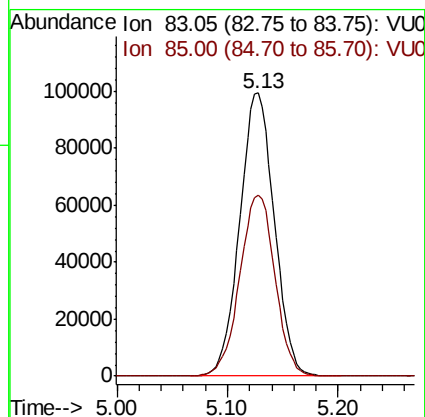
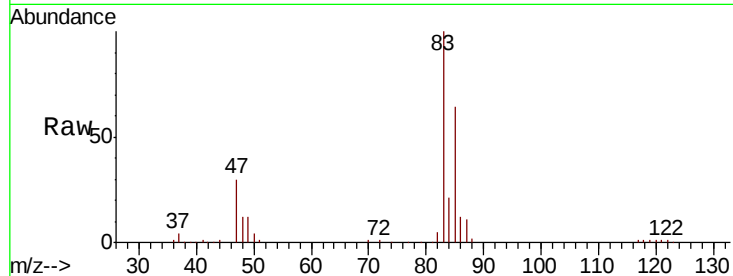




#25
Chloroform
Concen: 4.793 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037695.D
Acq: 14 Apr 2020 12:02

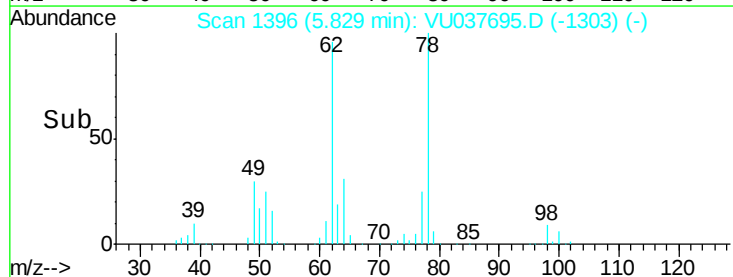
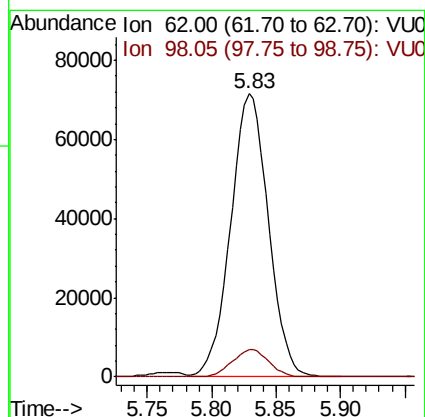
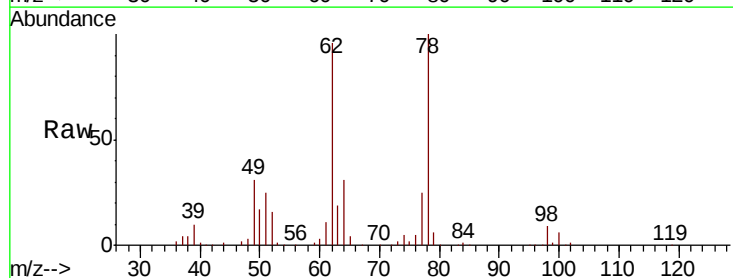
Instrument :
MSVOA_U
ClientSampleId :

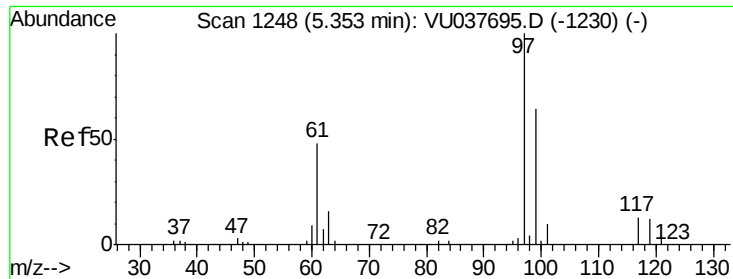
Tot Ion: 83 Resp: 216091
Ion Ratio Lower Upper
83 100
85 64.1 44.9 83.3



#27
1,2-Dichloroethane
Concen: 4.962 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU037695.D
Acq: 14 Apr 2020 12:02

Tgt Ion: 62 Resp: 144634
Ion Ratio Lower Upper
62 100
98 9.5 7.6 11.4

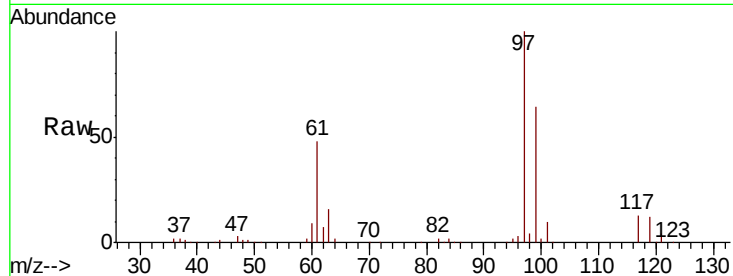




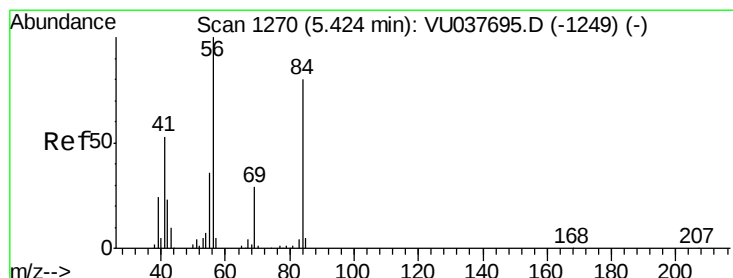
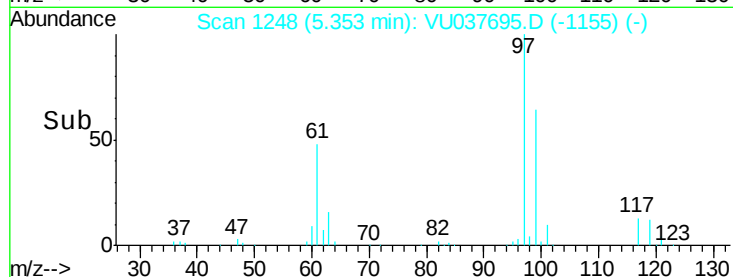
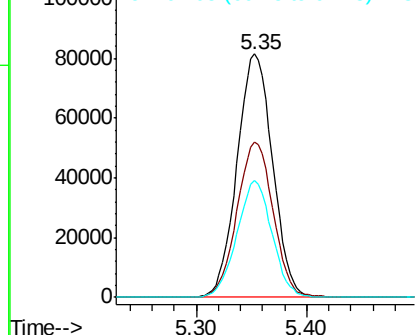
#29
 1,1,1-Trichloroethane
 Concen: 4.638 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU037695.D
 Acq: 14 Apr 2020 12:02

Instrument :
 MSVOA_U
 ClientSampleID :

Tot Ion: 97 Resp: 181881
 Ion Ratio Lower Upper
 97 100
 99 65.0 52.0 78.0
 61 47.3 37.8 56.8

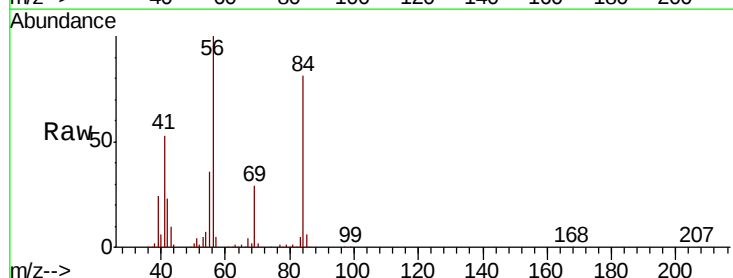


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

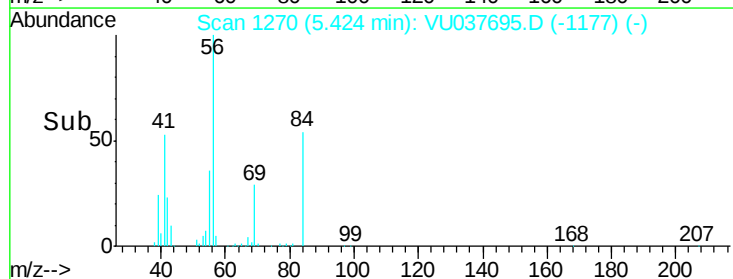
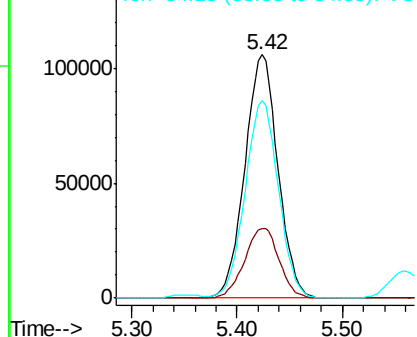


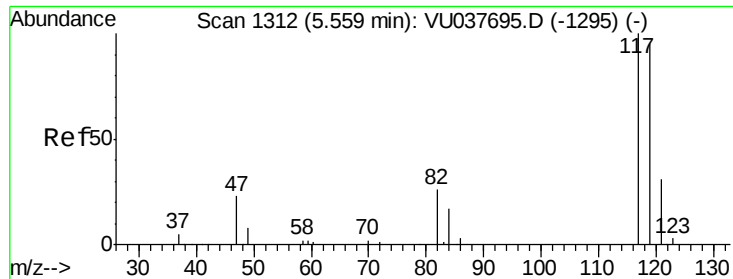
#30
 Cyclohexane
 Concen: 5.249 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU037695.D
 Acq: 14 Apr 2020 12:02

Tgt Ion: 56 Resp: 231167
 Ion Ratio Lower Upper
 56 100
 69 29.9 23.9 35.9
 84 82.0 65.6 98.4



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

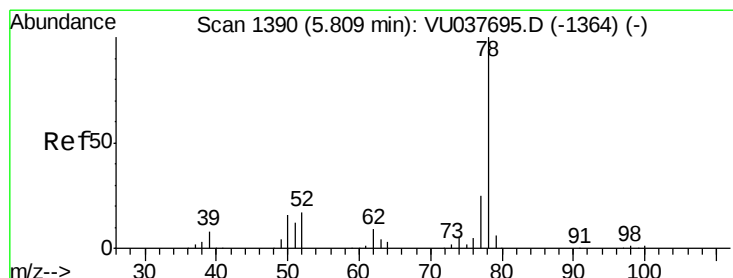
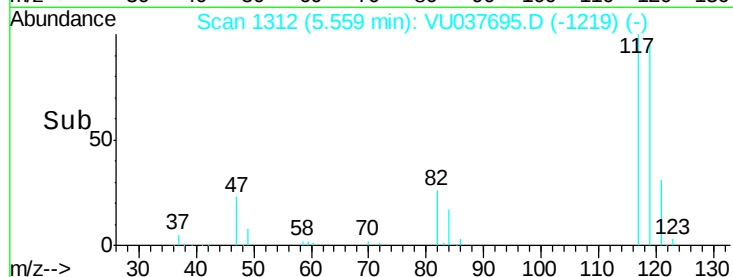
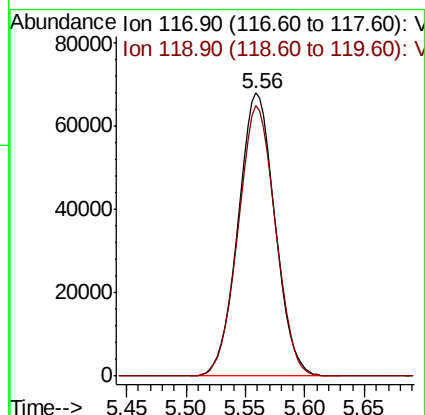
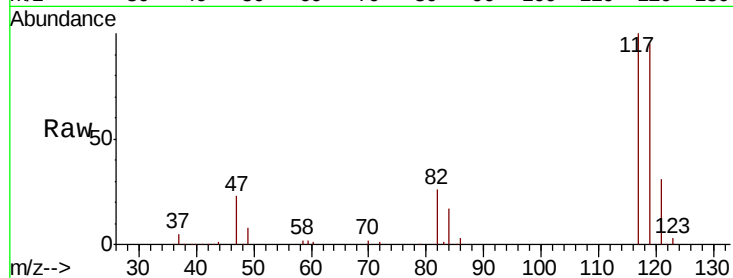




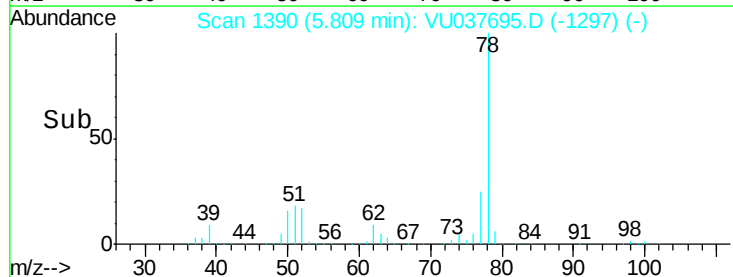
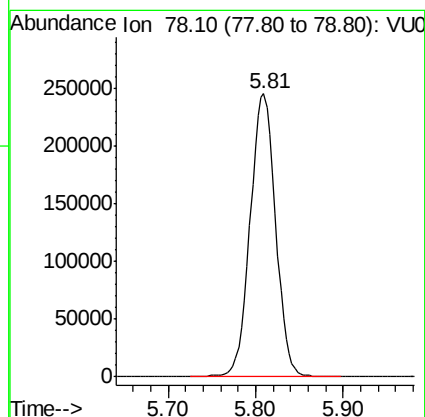
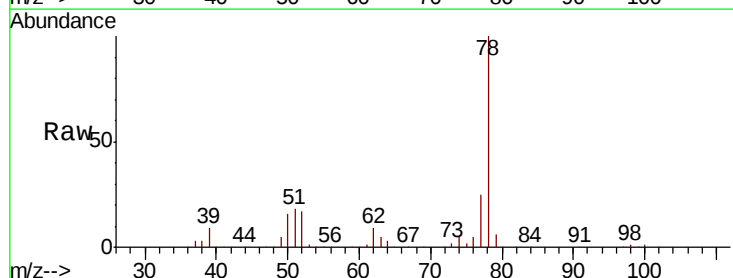
#31
Carbon tetrachloride
Concen: 4.609 ug/L
RT: 5.56 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU037695.D
Acq: 14 Apr 2020 12:02

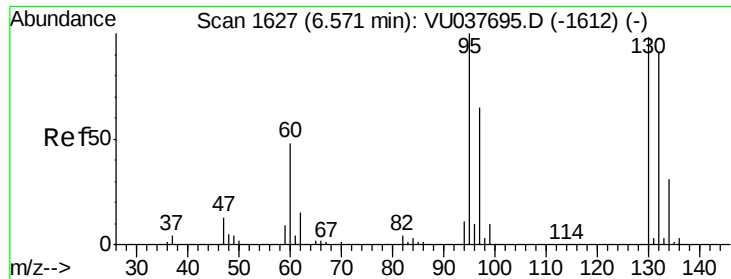
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 145848
Ion Ratio Lower Upper
117 100
119 96.7 77.4 116.0



#33
Benzene
Concen: 5.035 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU037695.D
Acq: 14 Apr 2020 12:02
Tgt Ion: 78 Resp: 495752

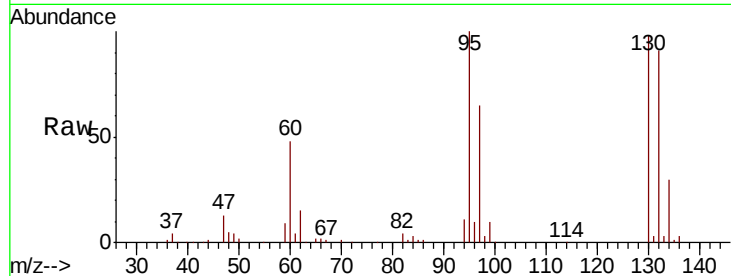




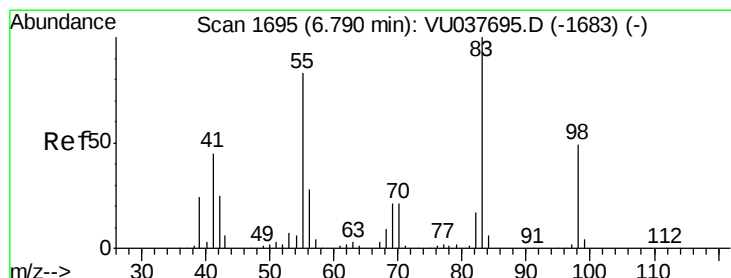
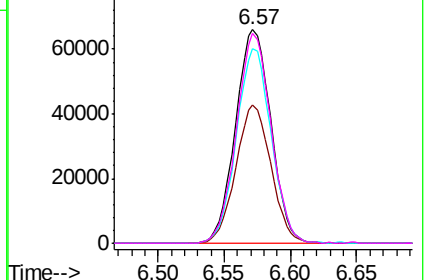
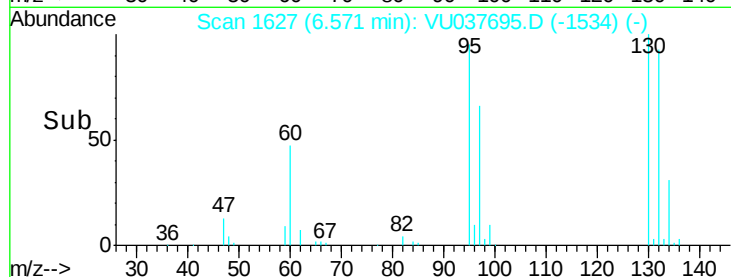
#34
 Trichloroethene
 Concen: 4.763 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU037695.D
 Acq: 14 Apr 2020 12:02

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 122790
 Ion Ratio Lower Upper
 95 100
 97 64.8 45.4 84.2
 132 91.0 63.7 118.3
 130 98.1 68.7 127.5

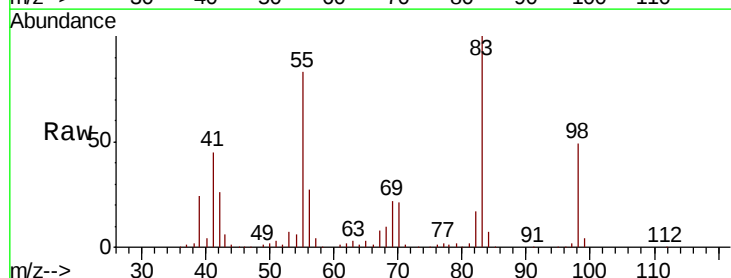


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

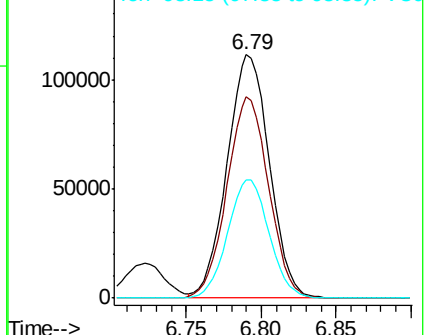
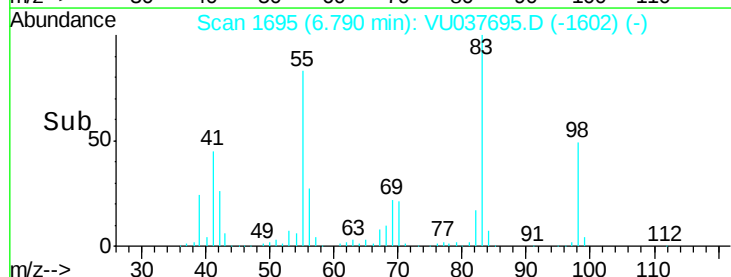


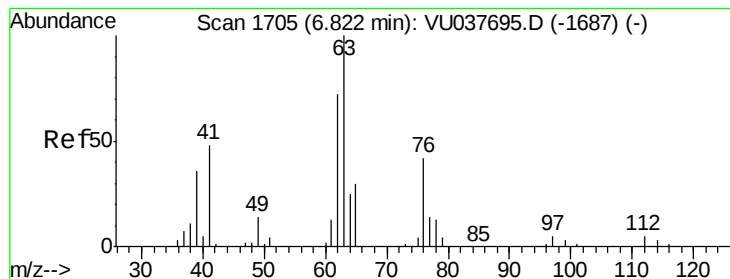
#35
 Methylcyclohexane
 Concen: 5.022 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU037695.D
 Acq: 14 Apr 2020 12:02

Tgt Ion: 83 Resp: 218415
 Ion Ratio Lower Upper
 83 100
 55 81.9 65.5 98.3
 98 47.8 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: 4.999 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU037695.D

Acq: 14 Apr 2020 12:02

Instrument :

MSVOA_U

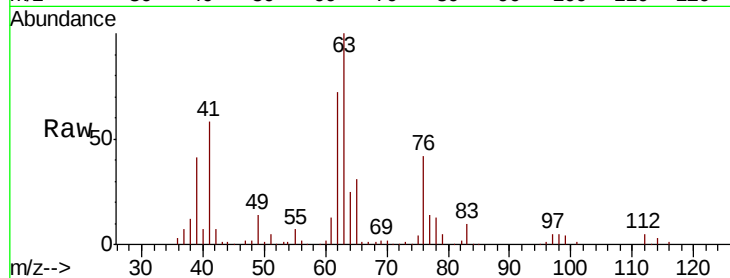
ClientSampleId :

Tot Ion: 63 Resp: 132205

Ion Ratio Lower Upper

63 100

112 4.2 3.4 5.0



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V

80000

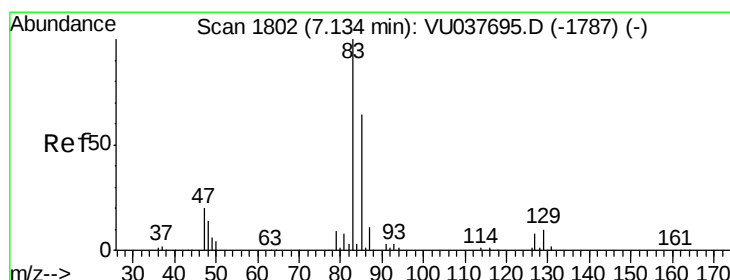
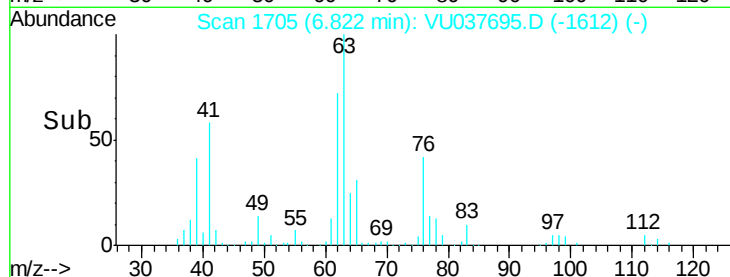
60000

40000

20000

0

Time--> 6.70 6.75 6.80 6.85 6.90



#38

Bromodichloromethane

Concen: 4.708 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU037695.D

Acq: 14 Apr 2020 12:02

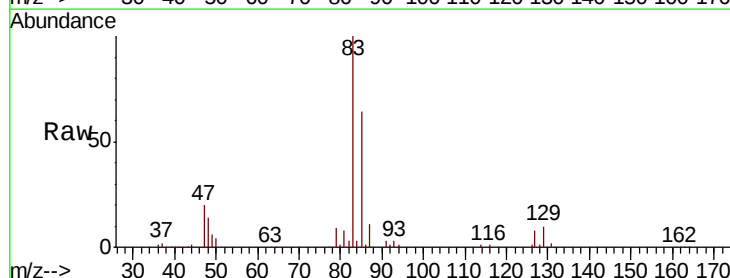
Tgt Ion: 83 Resp: 157888

Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.7

127 8.2 6.6 9.8



Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 126.90 (126.60 to 127.60): V

120000

100000

80000

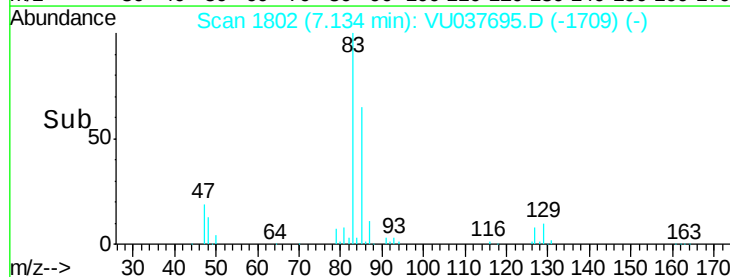
60000

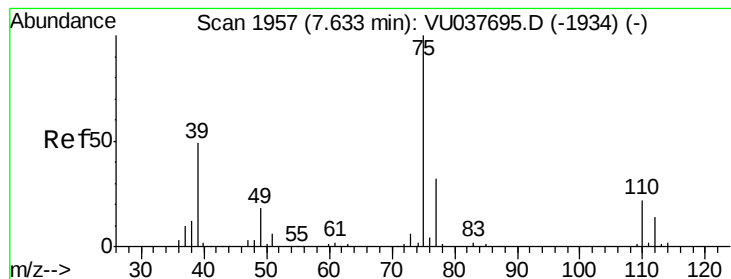
40000

20000

0

Time--> 7.05 7.10 7.15 7.20 7.25



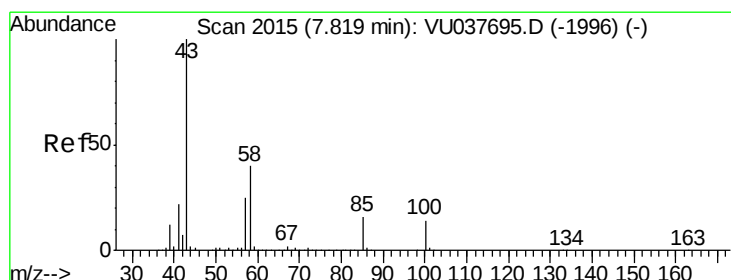
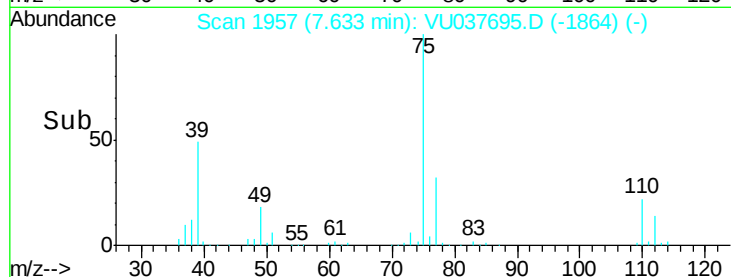
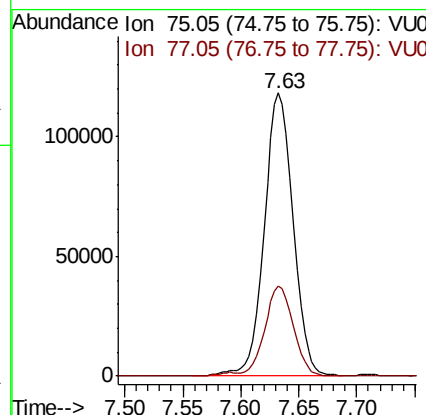
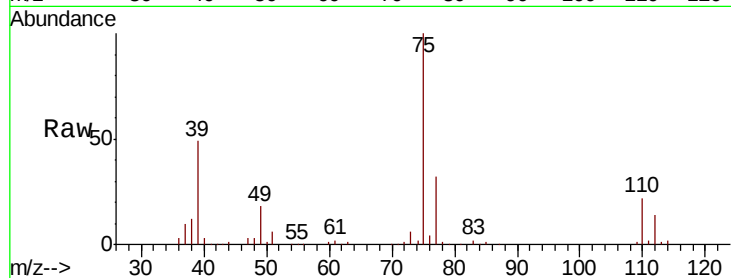


#39

cis-1,3-Dichloropropene
 Concen: 5.013 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU037695.D
 Acq: 14 Apr 2020 12:02

Instrument :
 MSVOA_U
 ClientSampleId :

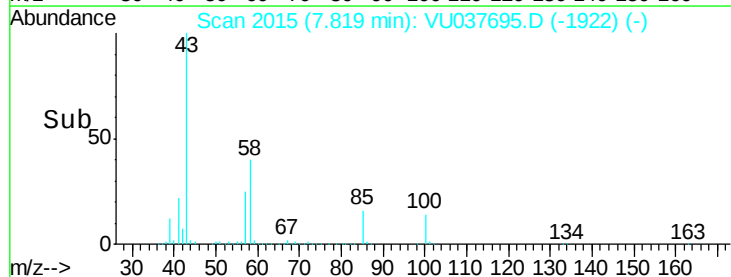
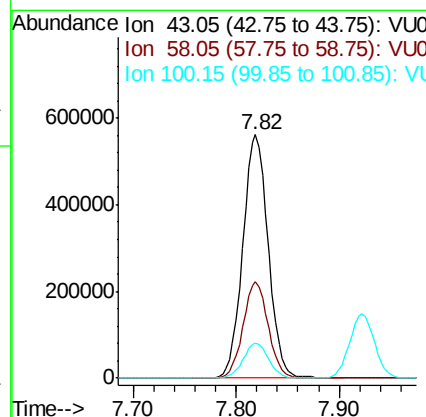
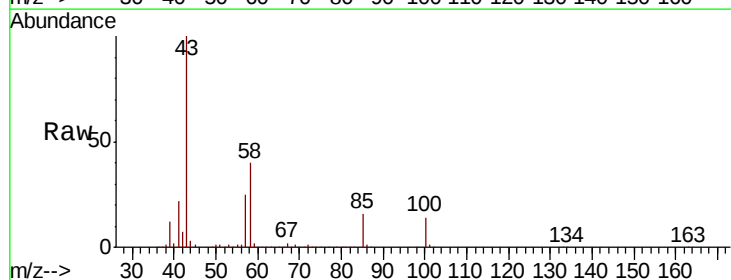
Tot Ion: 75 Resp: 205204
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.2 41.2

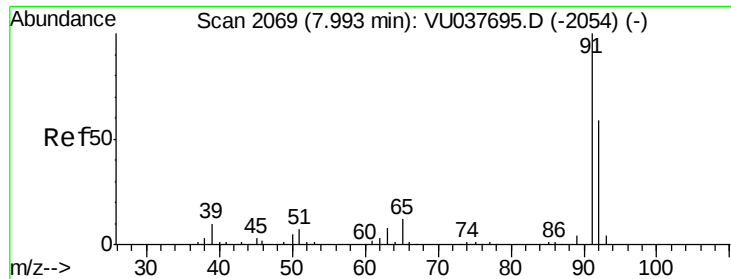


#40

4-Methyl-2-pentanone
 Concen: 51.410 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU037695.D
 Acq: 14 Apr 2020 12:02

Tgt Ion: 43 Resp: 961590
 Ion Ratio Lower Upper
 43 100
 58 39.1 31.3 46.9
 100 14.4 11.5 17.3





#42

Toluene

Concen: 5.043 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU037695.D

Acq: 14 Apr 2020 12:02

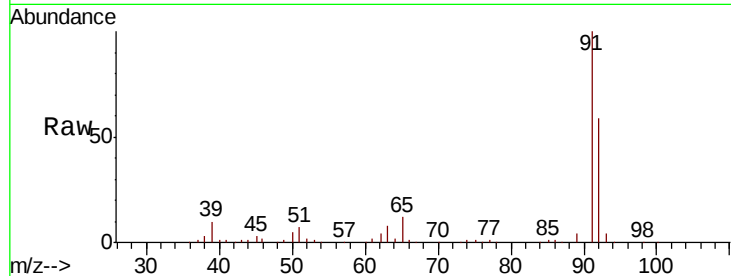
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 526906

Ion Ratio Lower Upper

91 100

92 58.7 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VU037695.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU037695.D (-2054) (-)

7.99

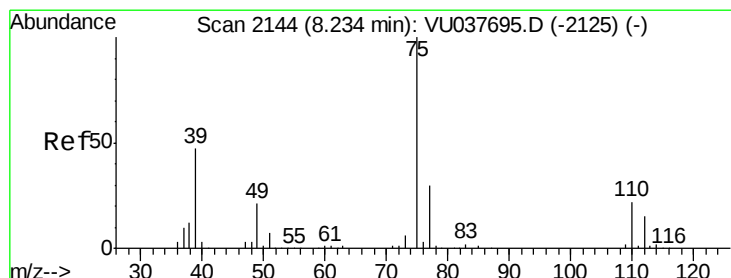
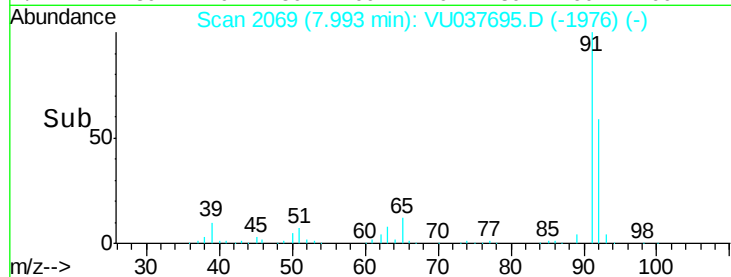
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.053 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037695.D

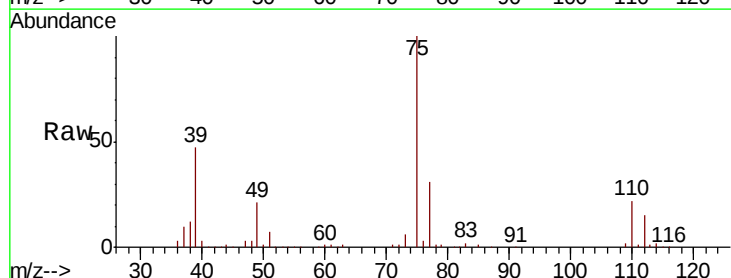
Acq: 14 Apr 2020 12:02

Tgt Ion: 75 Resp: 179657

Ion Ratio Lower Upper

75 100

77 30.6 21.4 39.8



Abundance Ion 75.05 (74.75 to 75.75): VU037695.D (-2125) (-)

Ion 77.05 (76.75 to 77.75): VU037695.D (-2125) (-)

8.23

120000

100000

80000

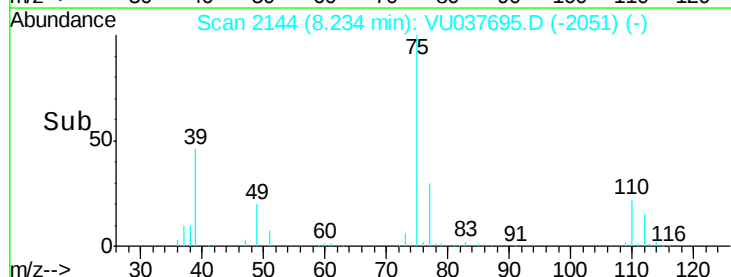
60000

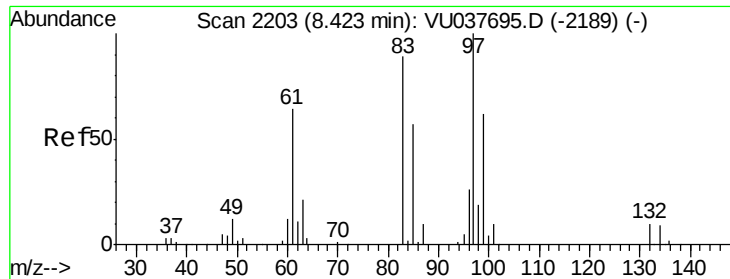
40000

20000

0

Time-->

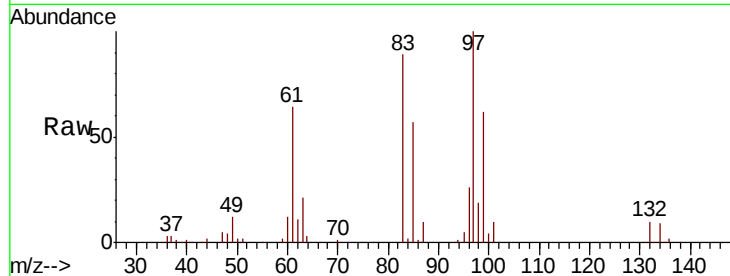




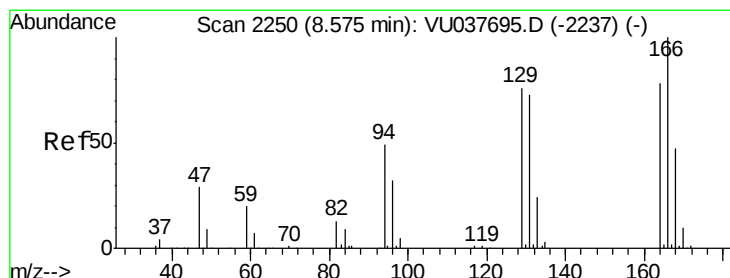
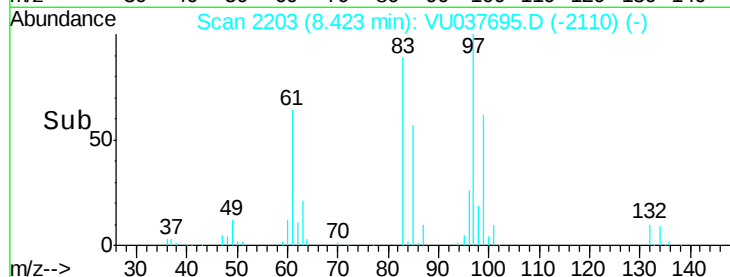
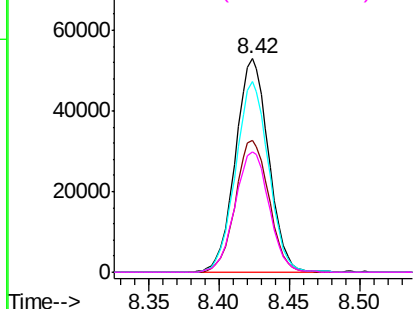
#45
 1,1,2-Trichloroethane
 Concen: 4.763 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: VU037695.D
 Acq: 14 Apr 2020 12:02

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	87505
Ion	Ratio	Lower	Upper
97	100		
99	61.6	43.1	80.1
83	89.2	62.4	116.0
85	56.6	39.6	73.6

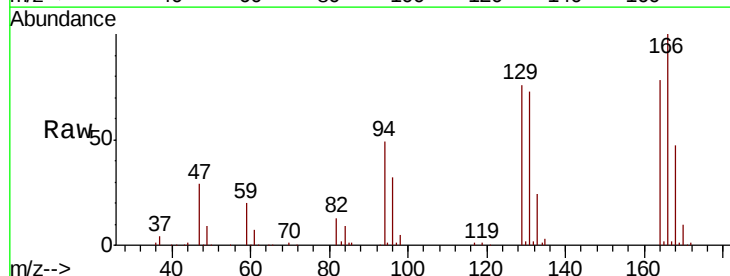


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

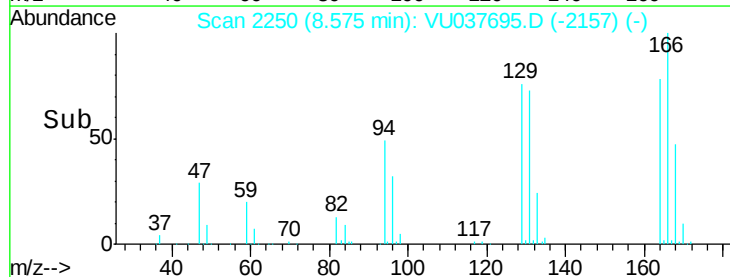
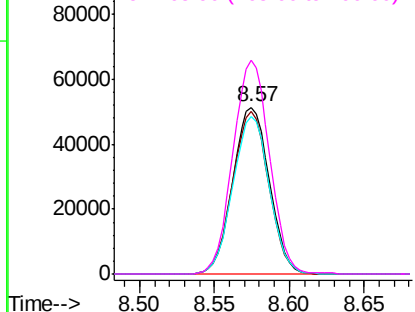


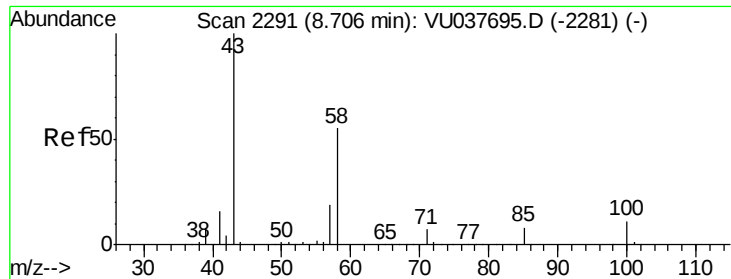
#47
 Tetrachloroethene
 Concen: 5.156 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU037695.D
 Acq: 14 Apr 2020 12:02

Tgt Ion:	164	Resp:	87521
Ion	Ratio	Lower	Upper
164	100		
129	97.3	68.1	126.5
131	94.2	65.9	122.5
166	128.2	89.7	166.7



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

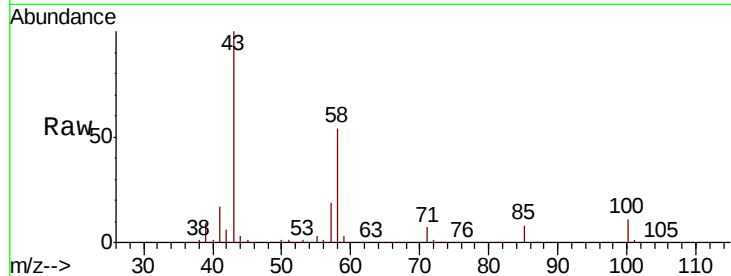




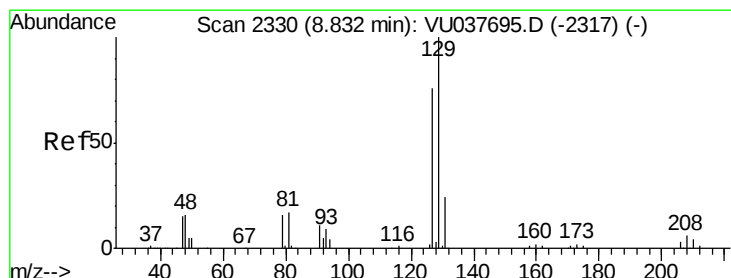
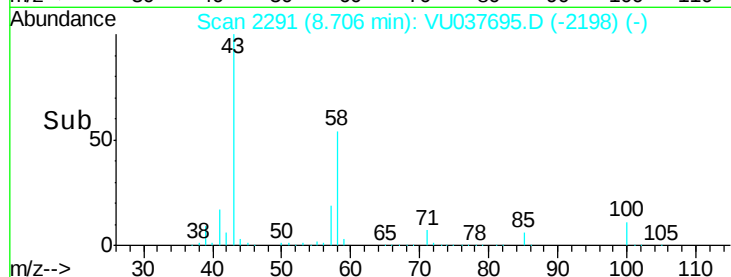
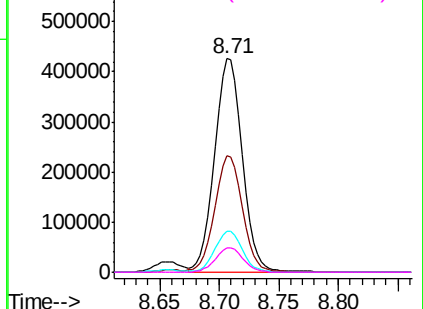
#48
2-Hexanone
Concen: 50.925 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU037695.D
Acq: 14 Apr 2020 12:02

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 687922
Ion Ratio Lower Upper
43 100
58 54.5 43.6 65.4
57 19.2 15.4 23.0
100 11.4 9.1 13.7

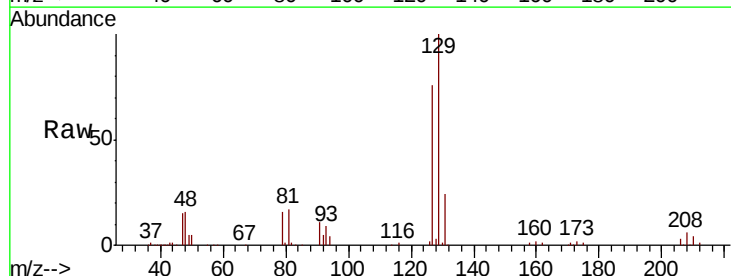


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

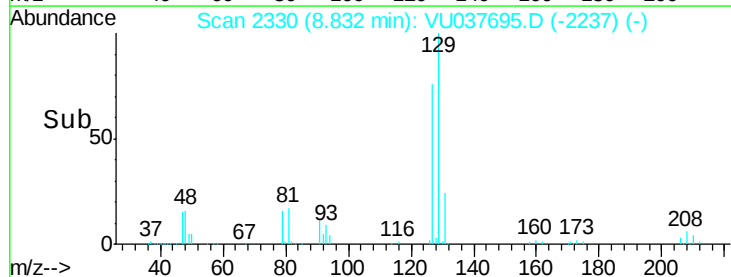
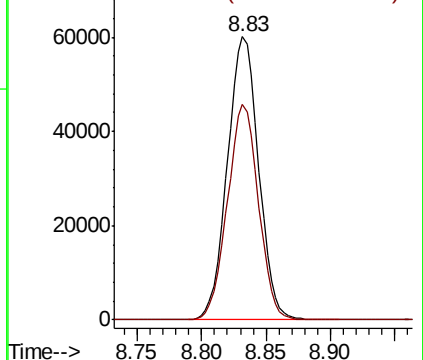


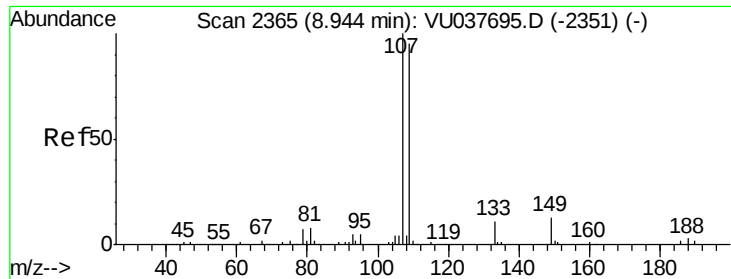
#49
Dibromochloromethane
Concen: 4.646 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU037695.D
Acq: 14 Apr 2020 12:02

Tgt Ion: 129 Resp: 101040
Ion Ratio Lower Upper
129 100
127 76.1 53.3 98.9



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

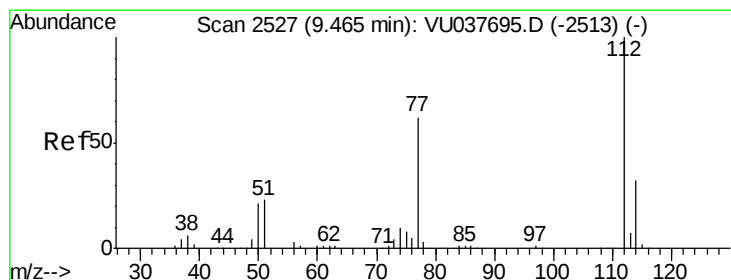
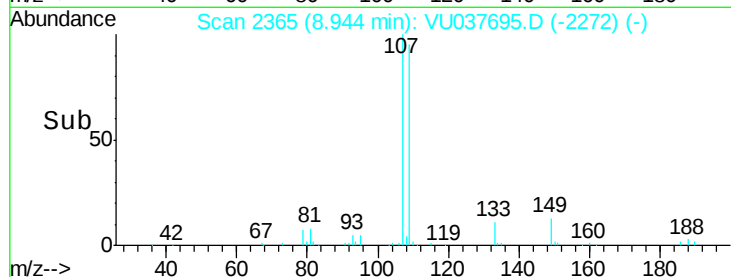
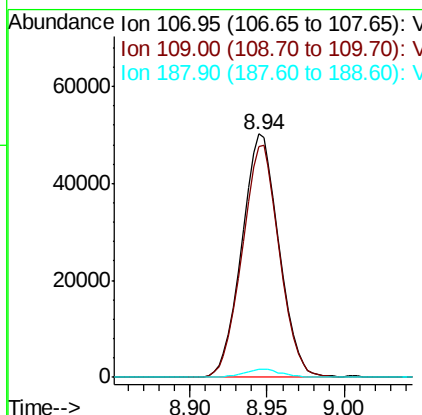
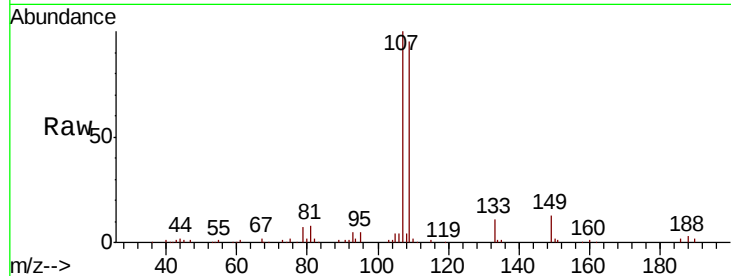




#50
 1,2-Dibromoethane
 Concen: 4.694 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. 0.00 min
 Lab File: VU037695.D
 Acq: 14 Apr 2020 12:02

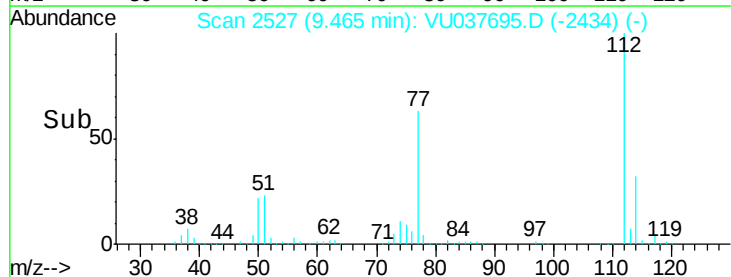
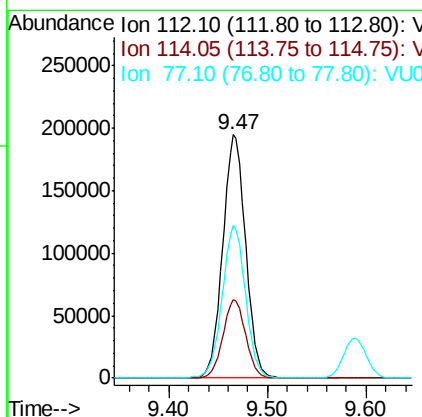
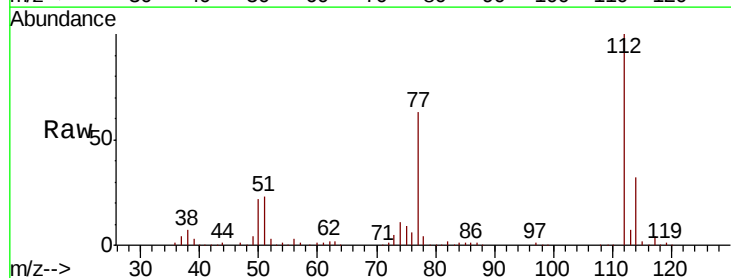
Instrument :
 MSVOA_U
 ClientSampleId :

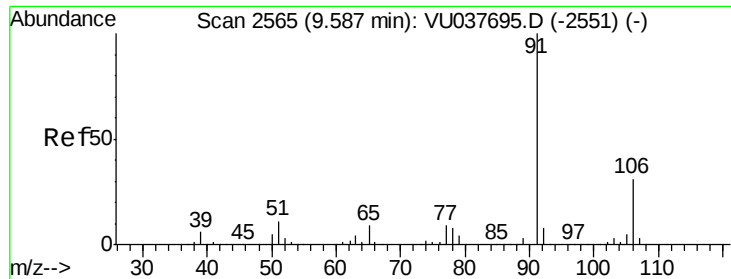
Tot Ion:107 Resp: 83770
 Ion Ratio Lower Upper
 107 100
 109 94.7 66.3 123.1
 188 3.1 2.5 3.7



#51
 Chlorobenzene
 Concen: 4.935 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. 0.00 min
 Lab File: VU037695.D
 Acq: 14 Apr 2020 12:02

Tgt Ion:112 Resp: 317578
 Ion Ratio Lower Upper
 112 100
 114 32.3 22.6 42.0
 77 62.8 50.2 75.4

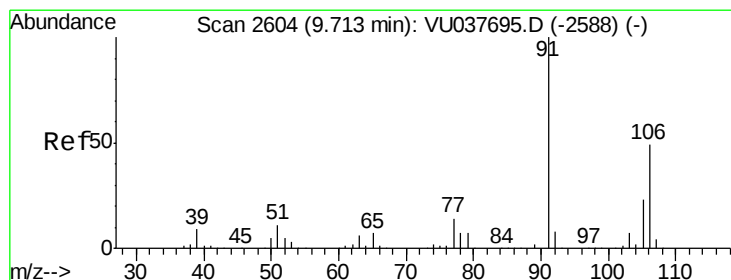
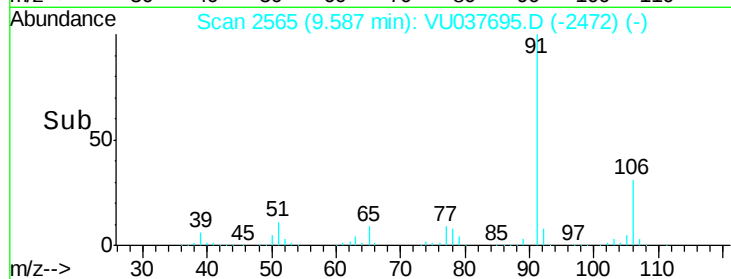
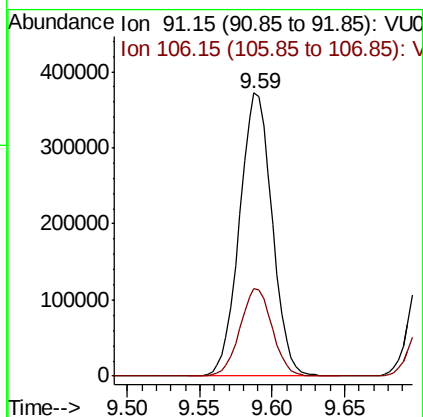
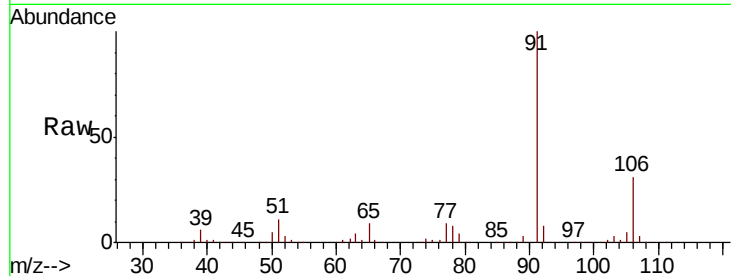




#52
Ethylbenzene
Concen: 4.917 ug/L
RT: 9.59 min Scan# 2565
Delta R.T. 0.00 min
Lab File: VU037695.D
Acq: 14 Apr 2020 12:02

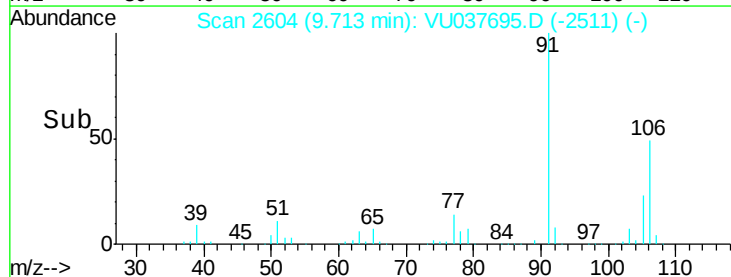
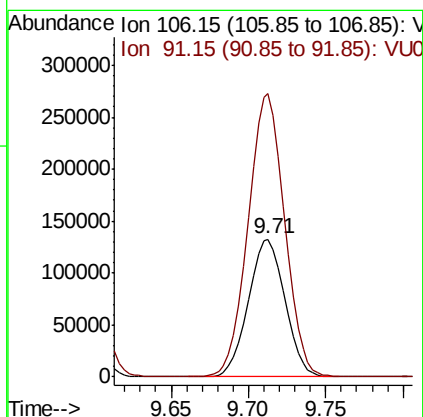
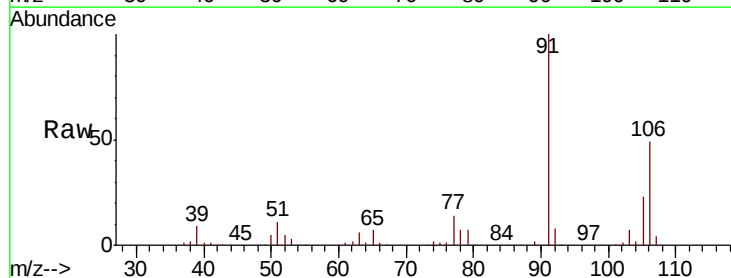
Instrument :
MSVOA_U
ClientSampleId :

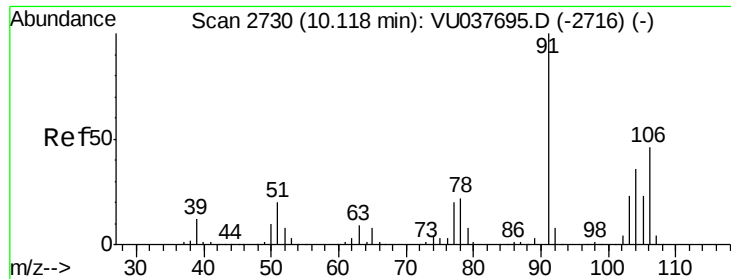
Tot Ion: 91 Resp: 582895
Ion Ratio Lower Upper
91 100
106 31.0 21.7 40.3



#53
m,p-Xylene
Concen: 4.892 ug/L
RT: 9.71 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VU037695.D
Acq: 14 Apr 2020 12:02

Tgt Ion: 106 Resp: 218311
Ion Ratio Lower Upper
106 100
91 205.6 143.9 267.3

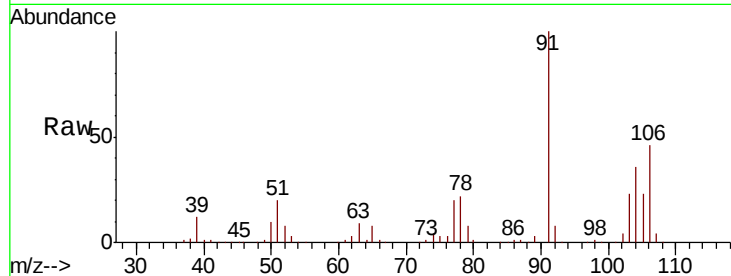




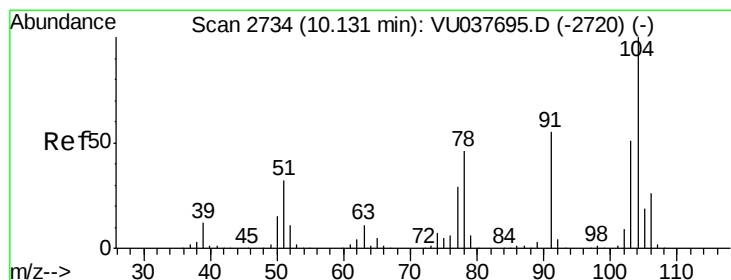
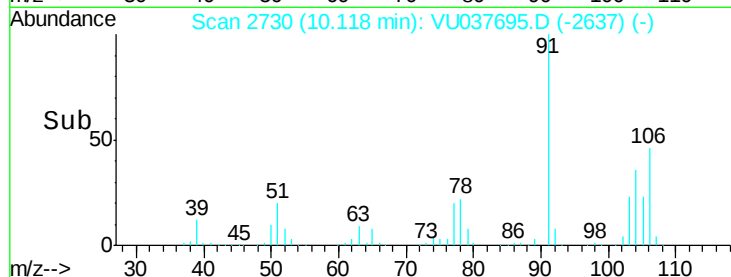
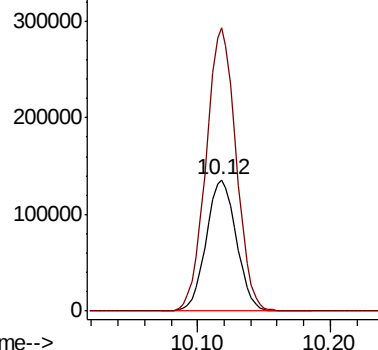
#54
o-Xylene
Concen: 4.994 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU037695.D
Acq: 14 Apr 2020 12:02

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 214597
Ion Ratio Lower Upper
106 100
91 215.9 151.1 280.7

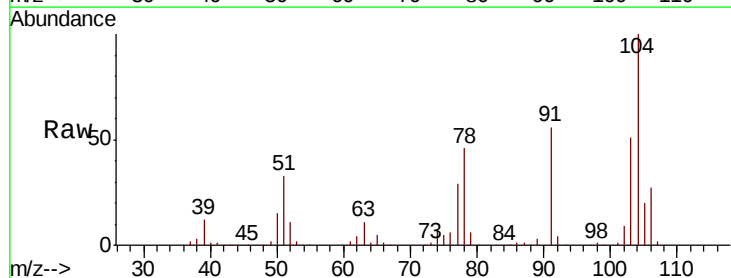


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

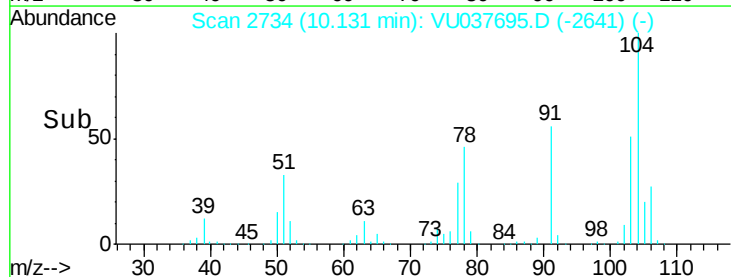
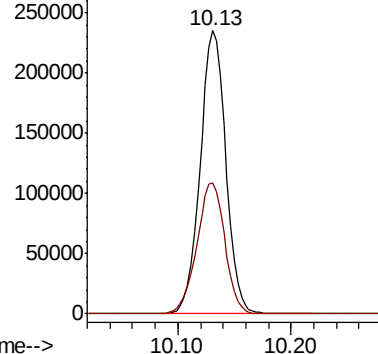


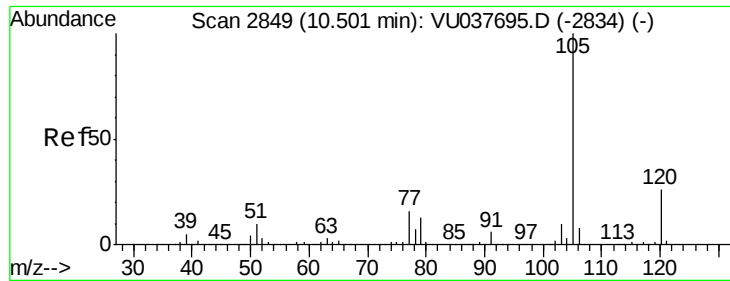
#55
Styrene
Concen: 4.994 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU037695.D
Acq: 14 Apr 2020 12:02

Tgt Ion:104 Resp: 370826
Ion Ratio Lower Upper
104 100
78 46.4 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: 4.896 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037695.D

Acq: 14 Apr 2020 12:02

Instrument :

MSVOA_U

ClientSampleId :

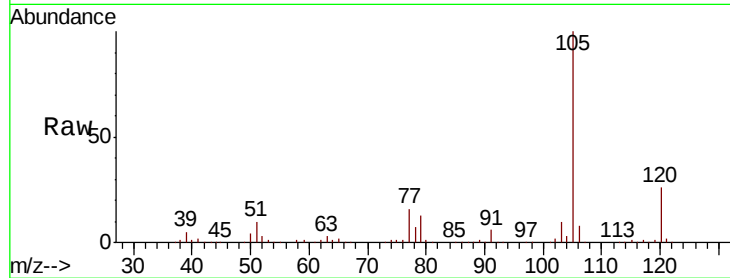
Tot Ion:105 Resp: 573374

Ion Ratio Lower Upper

105 100

120 25.8 20.6 31.0

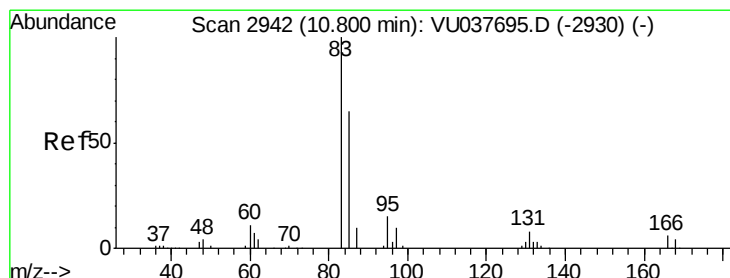
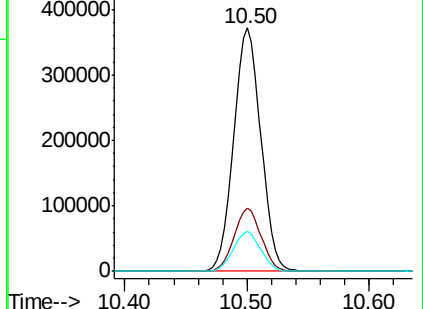
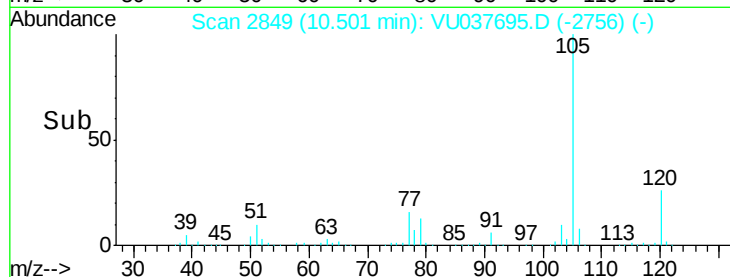
77 16.5 13.2 19.8



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: 4.676 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037695.D

Acq: 14 Apr 2020 12:02

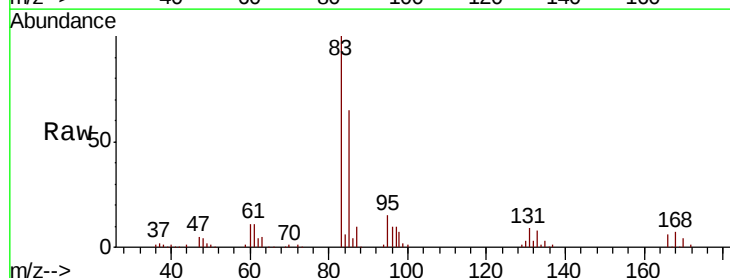
Tgt Ion: 83 Resp: 115357

Ion Ratio Lower Upper

83 100

85 64.7 45.3 84.1

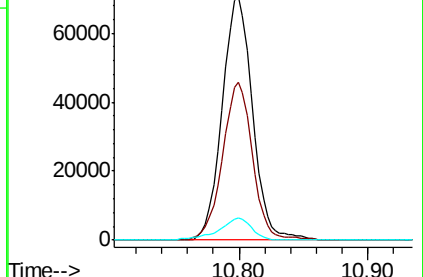
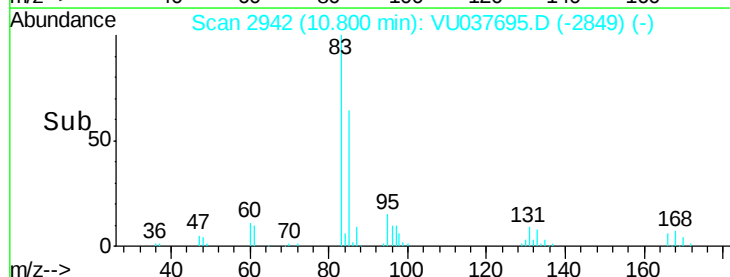
131 9.3 7.4 11.2

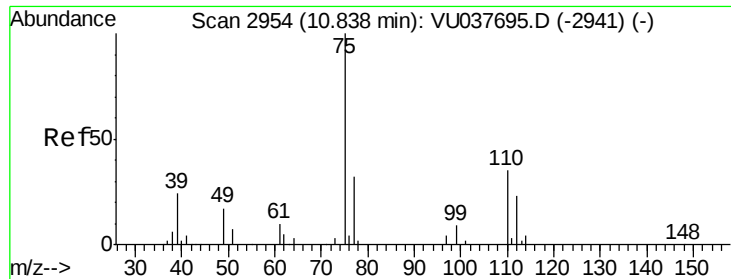


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.962 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. 0.00 min

Lab File: VU037695.D

Acq: 14 Apr 2020 12:02

Instrument :

MSVOA_U

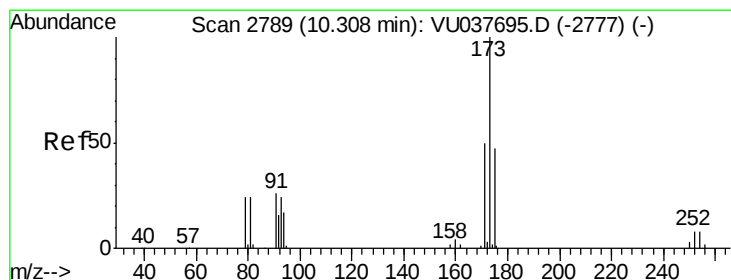
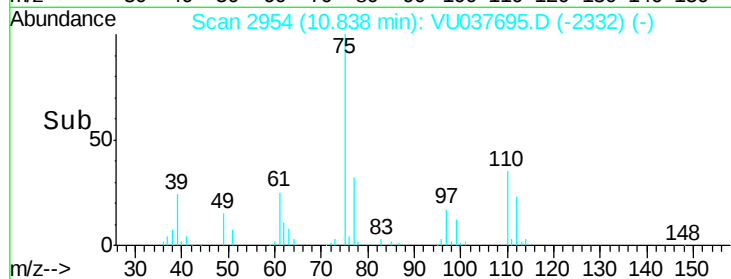
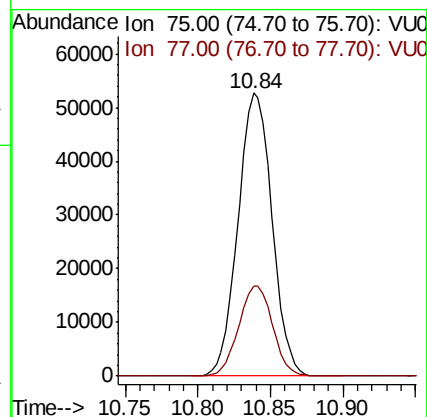
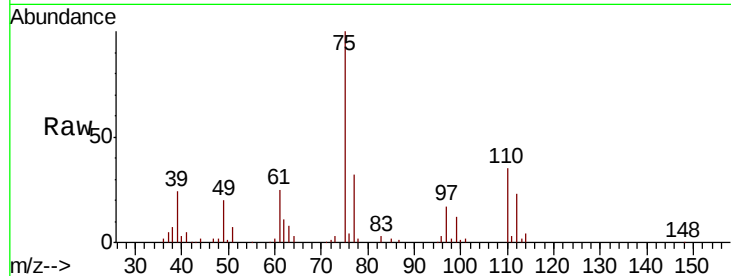
ClientSampled :

Tot Ion: 75 Resp: 85912

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2



#61

Bromoform

Concen: 4.760 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VU037695.D

Acq: 14 Apr 2020 12:02

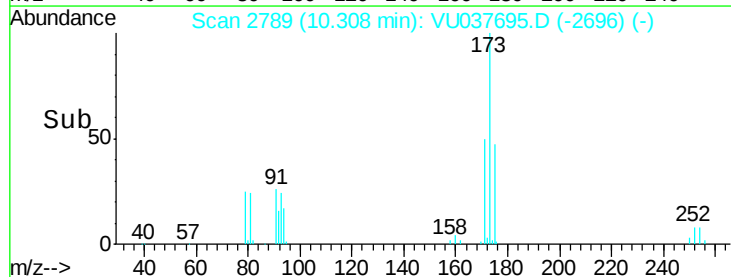
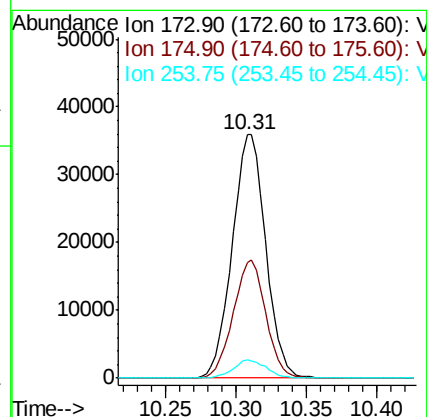
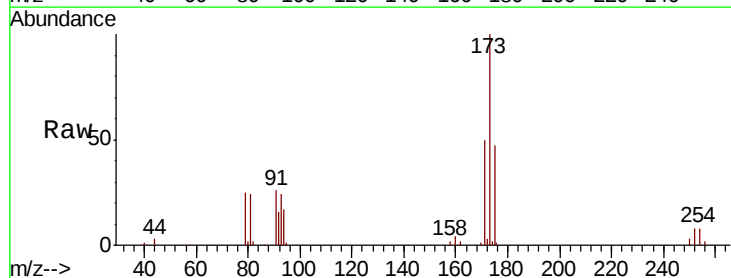
Tgt Ion: 173 Resp: 59533

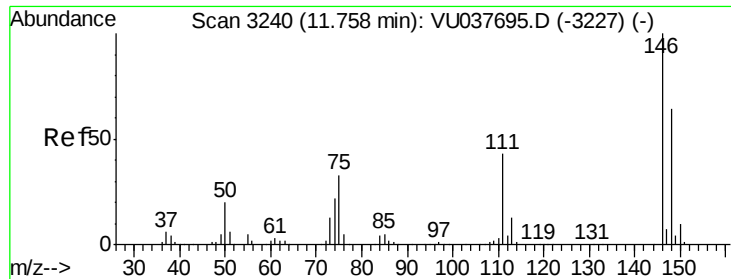
Ion Ratio Lower Upper

173 100

175 47.0 37.6 56.4

254 7.3 5.8 8.8

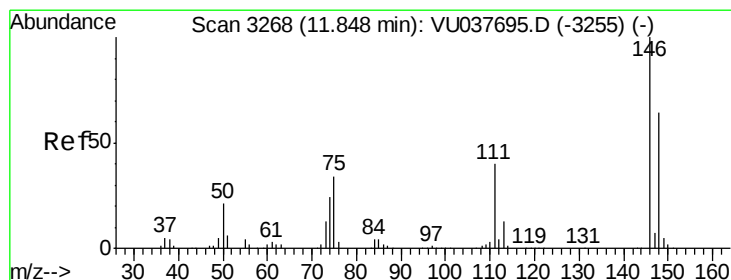
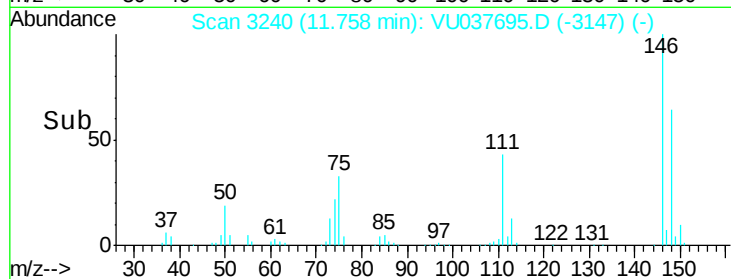
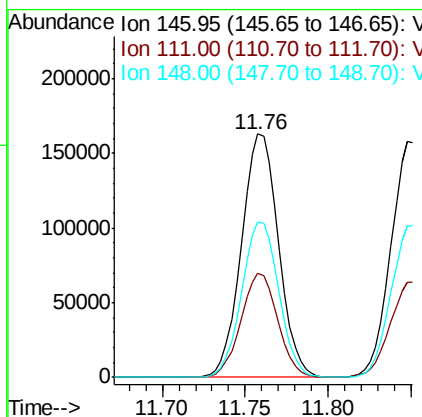
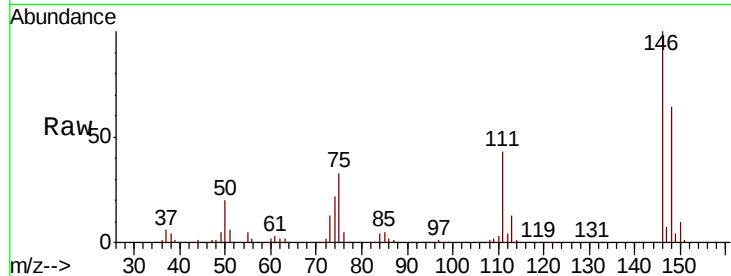




#62
 1,3-Dichlorobenzene
 Concen: 4.986 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU037695.D
 Acq: 14 Apr 2020 12:02

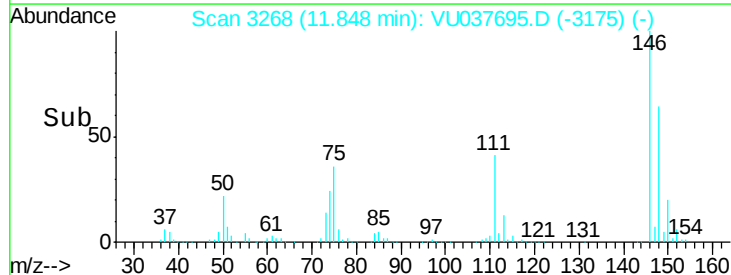
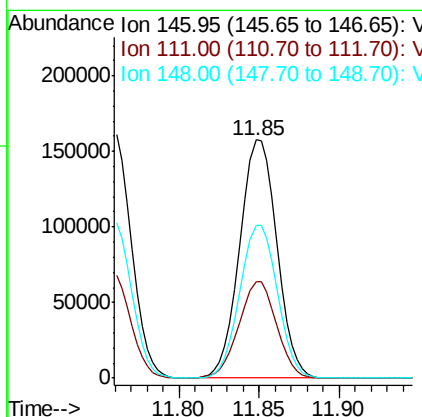
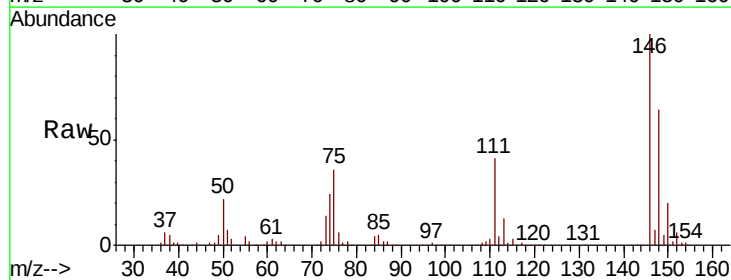
Instrument :
 MSVOA_U
 ClientSampled :

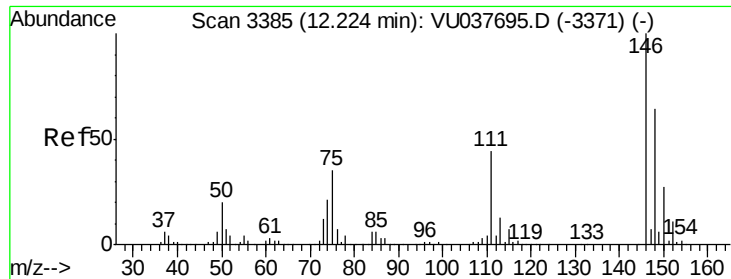
Tot Ion:146 Resp: 252646
 Ion Ratio Lower Upper
 146 100
 111 42.5 29.8 55.3
 148 63.6 44.5 82.7



#63
 1,4-Dichlorobenzene
 Concen: 4.857 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. 0.00 min
 Lab File: VU037695.D
 Acq: 14 Apr 2020 12:02

Tgt Ion:146 Resp: 250355
 Ion Ratio Lower Upper
 146 100
 111 40.6 28.4 52.8
 148 64.1 44.9 83.3





#65

1,2-Dichlorobenzene

Concen: 4.807 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. 0.00 min

Lab File: VU037695.D

Acq: 14 Apr 2020 12:02

Instrument :

MSVOA_U

ClientSampleId :

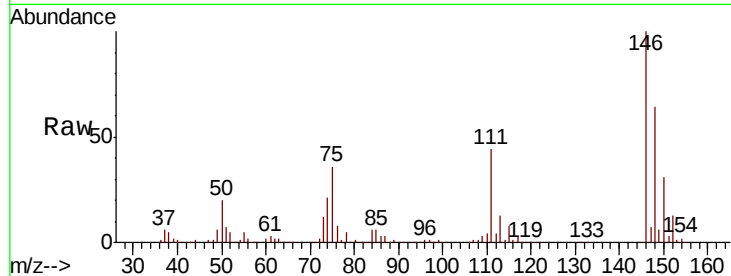
Tot Ion:146 Resp: 233381

Ion Ratio Lower Upper

146 100

111 43.8 35.0 52.6

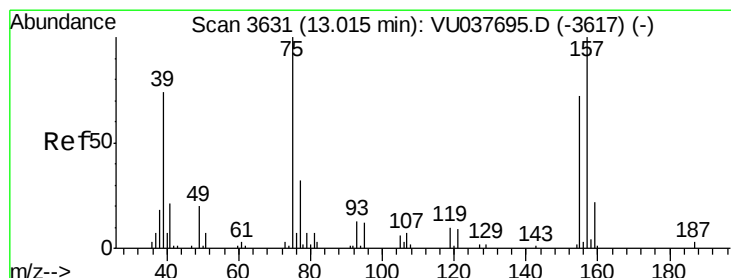
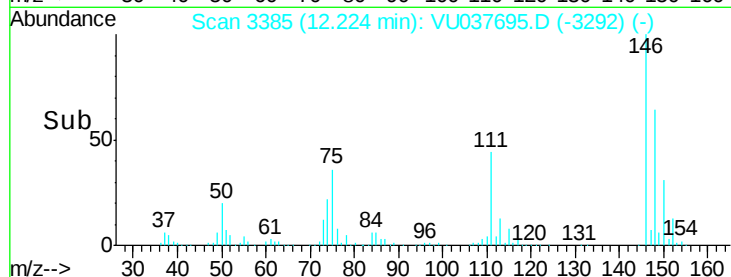
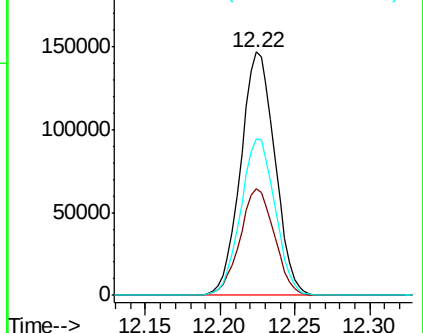
148 64.4 51.5 77.3



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: 4.674 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VU037695.D

Acq: 14 Apr 2020 12:02

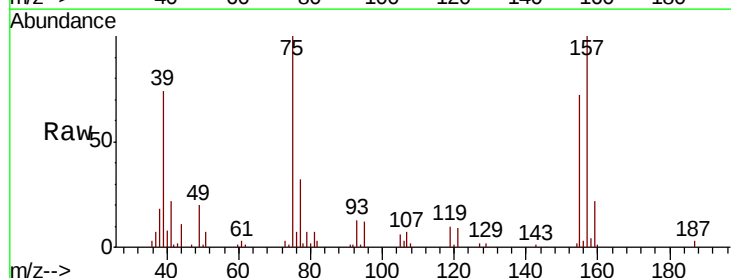
Tgt Ion: 75 Resp: 21644

Ion Ratio Lower Upper

75 100

155 72.4 57.9 86.9

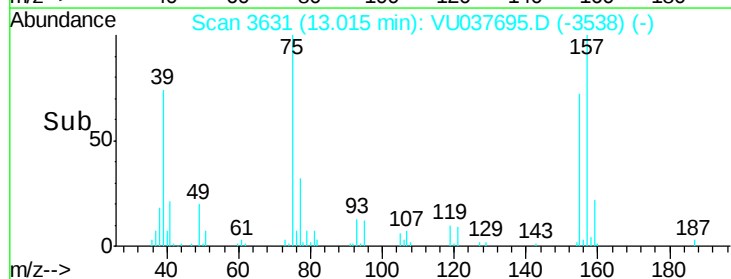
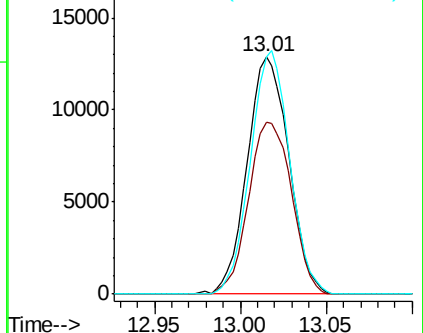
157 99.8 79.8 119.8

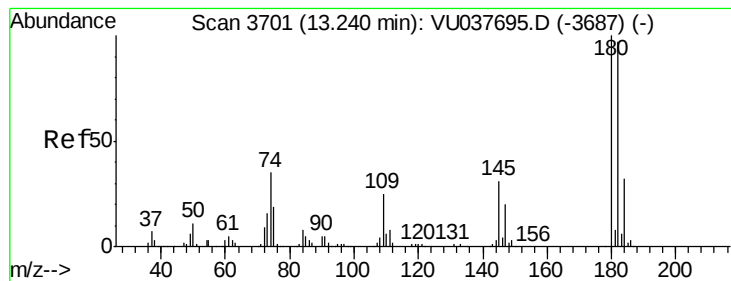


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





#67

1,3,5-Trichlorobenzene

Concen: 5.049 ug/L

RT: 13.24 min Scan# 3701

Delta R.T. 0.00 min

Lab File: VU037695.D

Acq: 14 Apr 2020 12:02

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:180 Resp: 186674

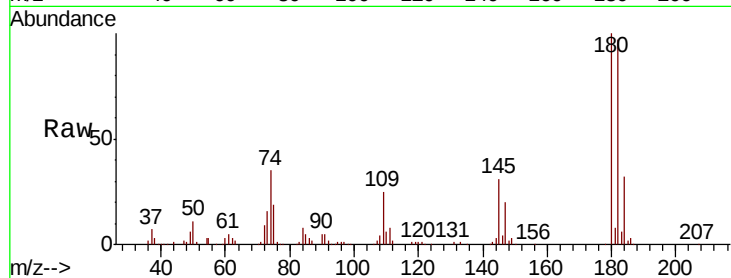
Ion Ratio Lower Upper

180 100

182 96.4 77.1 115.7

184 30.9 24.7 37.1

145 30.8 24.6 37.0

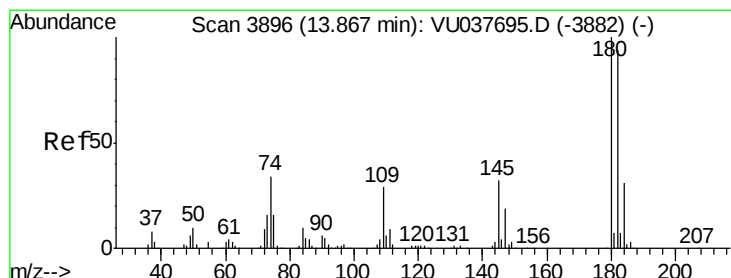
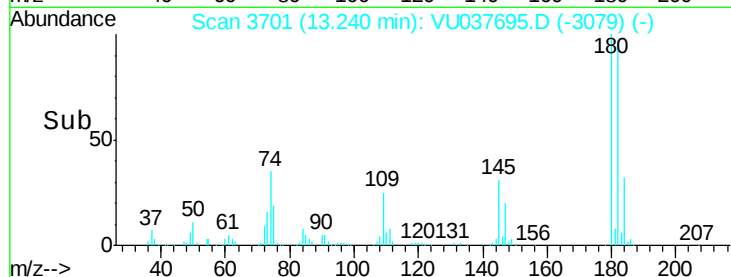
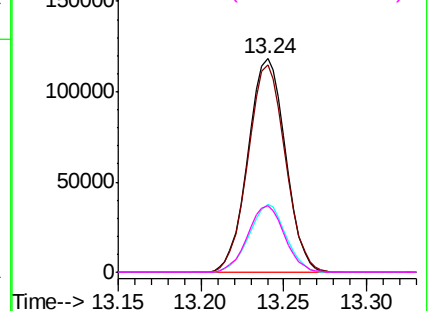


Abundance Ion 180.00 (179.70 to 180.70): V

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: 5.001 ug/L

RT: 13.87 min Scan# 3896

Delta R.T. 0.00 min

Lab File: VU037695.D

Acq: 14 Apr 2020 12:02

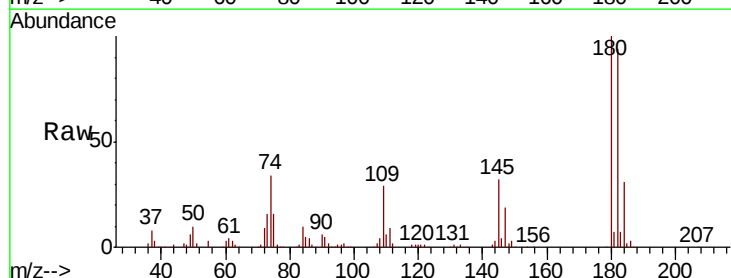
Tgt Ion:180 Resp: 171212

Ion Ratio Lower Upper

180 100

182 95.5 76.4 114.6

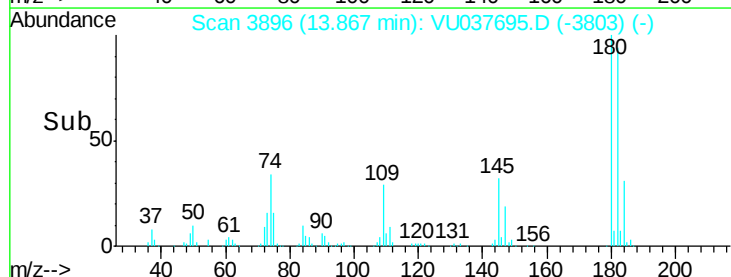
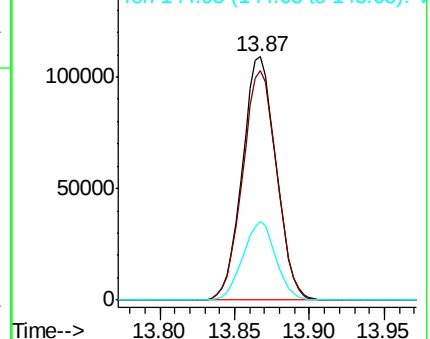
145 31.4 25.1 37.7

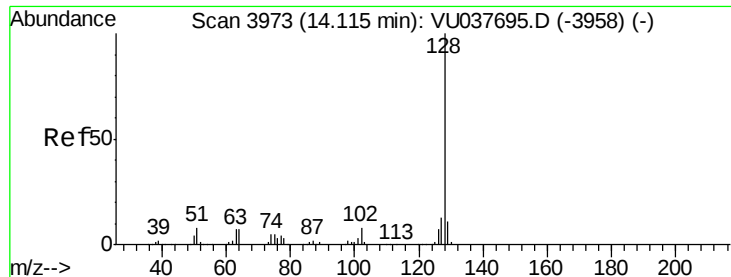


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.559 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU037695.D

Acq: 14 Apr 2020 12:02

Instrument :

MSVOA_U

ClientSampleId :

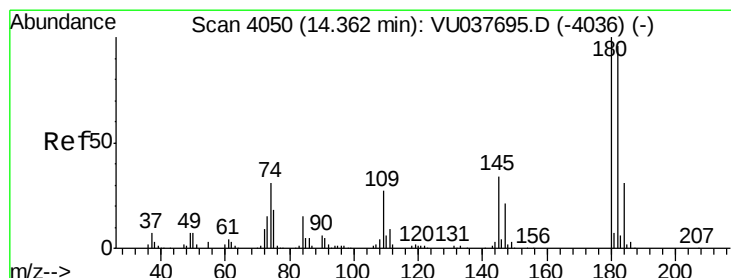
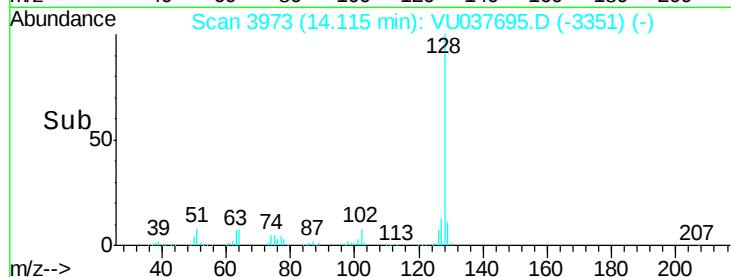
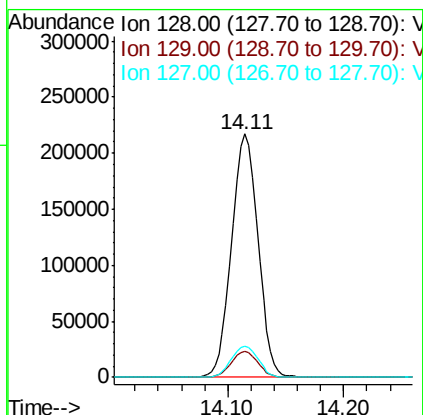
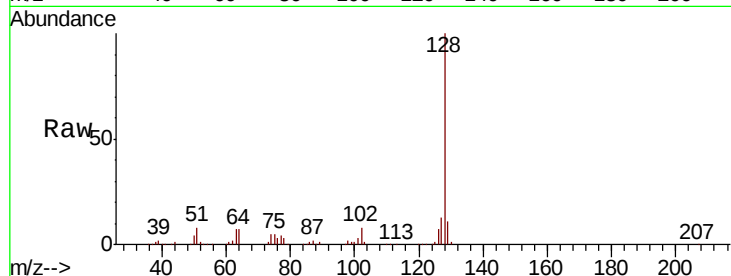
Tot Ion:128 Resp: 341430

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

127 13.0 10.4 15.6



#70

1,2,3-Trichlorobenzene

Concen: 5.033 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU037695.D

Acq: 14 Apr 2020 12:02

Tgt Ion:180 Resp: 153566

Ion Ratio Lower Upper

180 100

182 95.8 76.6 115.0

145 33.4 26.7 40.1

