

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041420\
 Data File : VU037698.D
 Acq On : 14 Apr 2020 13:53
 Operator : JC/MD
 Sample : VSTDICV005
 Misc : 25mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 14 15:24:43 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	317481	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	296389	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	149102	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	126616	5.27	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.40%
7) Chloroethane-d5	1.93	69	109113	5.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.60%
11) 1,1-Dichloroethene-d2	2.59	63	224175	5.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.00%
20) 2-Butanone-d5	4.68	46	379248	57.48	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.96%
24) Chloroform-d	5.10	84	206823	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.80%
26) 1,2-Dichloroethane-d4	5.74	65	117214	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.40%
32) Benzene-d6	5.76	84	432888	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.80%
36) 1,2-Dichloropropane-d6	6.72	67	141771	5.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.80%
41) Toluene-d8	7.92	98	394131	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.40%
43) trans-1,3-Dichloropropene-	8.20	79	64467	5.50	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	110.00%
46) 2-Hexanone-d5	8.66	63	340630	56.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.68%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	115013	5.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.80%
64) 1,2-Dichlorobenzene-d4	12.21	152	143715	5.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	139785	5.075 ug/L	99
3) Chloromethane	1.53	50	167486	4.919 ug/L	99
5) Vinyl chloride	1.62	62	169327	5.062 ug/L	100
6) Bromomethane	1.87	94	99506	5.181 ug/L	96
8) Chloroethane	1.95	64	99349	5.058 ug/L	99
9) Trichlorofluoromethane	2.16	101	177647	4.949 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	105515	5.049 ug/L	100
12) 1,1-Dichloroethene	2.60	96	110772	5.056 ug/L	99
13) Acetone	2.67	43	222190	51.077 ug/L	99
14) Carbon disulfide	2.82	76	397793	4.973 ug/L	100
15) Methyl Acetate	2.99	43	61700	5.101 ug/L	98
16) Methylene chloride	3.08	84	123099	4.984 ug/L	99
17) Methyl tert-butyl Ether	3.40	73	321281	5.064 ug/L	100
18) trans-1,2-Dichloroethene	3.39	96	121183	5.102 ug/L	99
19) 1,1-Dichloroethane	3.91	63	232281	5.056 ug/L	99
21) 2-Butanone	4.76	43	418703	52.975 ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	130041	5.067 ug/L	99

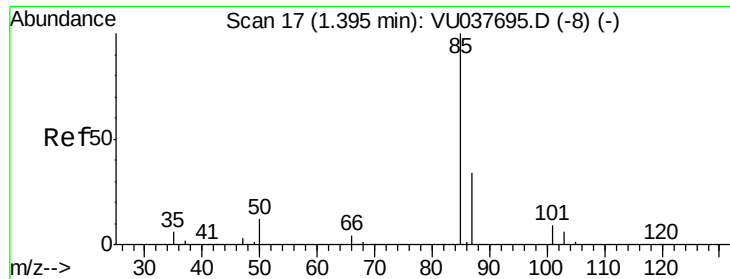
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041420\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 14 15:15:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	54892	5.046	ug/L	95
25) Chloroform	5.13	83	217215	4.977	ug/L	98
27) 1,2-Dichloroethane	5.83	62	147983	5.016	ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	184214	5.122	ug/L	99
30) Cyclohexane	5.42	56	224866	5.052	ug/L	99
31) Carbon tetrachloride	5.56	117	147402	5.144	ug/L	97
33) Benzene	5.81	78	504163	5.148	ug/L	100
34) Trichloroethene	6.57	95	123808	5.144	ug/L	99
35) Methylcyclohexane	6.79	83	214268	5.080	ug/L	99
37) 1,2-Dichloropropane	6.82	63	137079	5.278	ug/L	99
38) Bromodichloromethane	7.14	83	160663	5.202	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	210049	5.167	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	1013533	53.081	ug/L	99
42) Toluene	8.00	91	523696	5.105	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	182805	5.180	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	90490	5.170	ug/L	99
47) Tetrachloroethene	8.58	164	89983	5.203	ug/L	96
48) 2-Hexanone	8.71	43	728230	53.269	ug/L	99
49) Dibromochloromethane	8.83	129	102880	5.144	ug/L	94
50) 1,2-Dibromoethane	8.95	107	87537	5.201	ug/L	98
51) Chlorobenzene	9.47	112	323669	5.172	ug/L	100
52) Ethylbenzene	9.59	91	579934	5.082	ug/L	99
53) m,p-Xylene	9.72	106	221804	5.135	ug/L	100
54) o-Xylene	10.12	106	216569	5.094	ug/L	99
55) Styrene	10.13	104	377104	5.189	ug/L	100
56) Isopropylbenzene	10.50	105	569292	5.105	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	117286	5.148	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	88145	5.186	ug/L	98
61) Bromoform	10.31	173	60895	5.140	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	259128	5.189	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	256397	5.120	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	241380	5.135	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	22008	5.050	ug/L	97
67) 1,3,5-Trichlorobenzene	13.25	180	196138	5.356	ug/L	99
68) 1,2,4-trichlorobenzene	13.88	180	186833	5.558	ug/L	99
69) Naphthalene	14.12	128	383004	5.626	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	169491	5.659	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 5.075 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037698.D

Acq: 14 Apr 2020 13:53

Instrument :

MSVOA_U

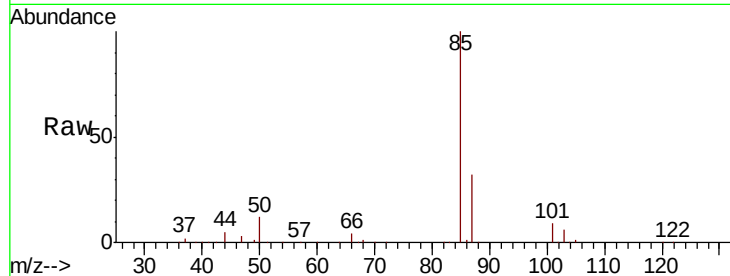
ClientSampleId :

Tot Ion: 85 Resp: 139785

Ion Ratio Lower Upper

85 100

87 32.1 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU037698.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU037698.D (-1) (-)

150000

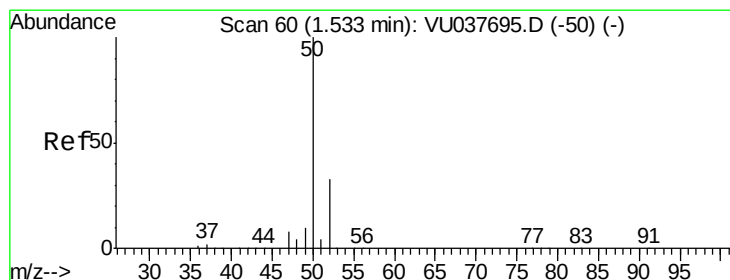
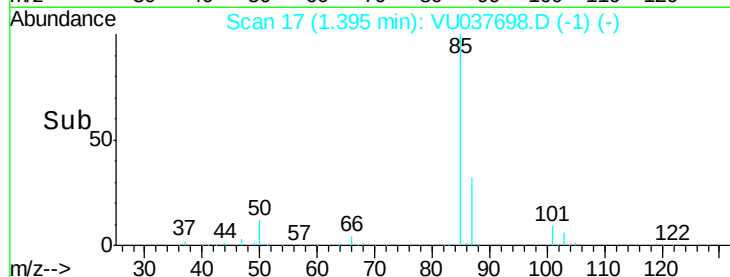
100000

50000

0

1.35 1.40 1.45

Time-->



#3

Chloromethane

Concen: 4.919 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU037698.D

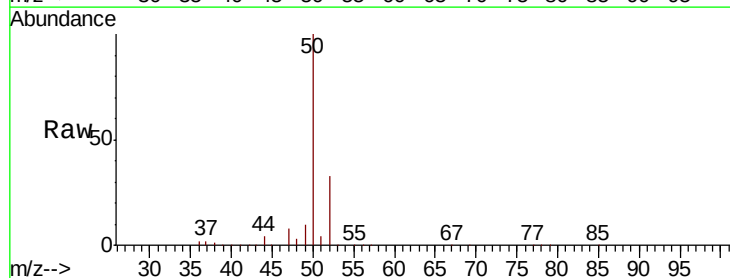
Acq: 14 Apr 2020 13:53

Tgt Ion: 50 Resp: 167486

Ion Ratio Lower Upper

50 100

52 33.1 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU037698.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU037698.D (-1) (-)

150000

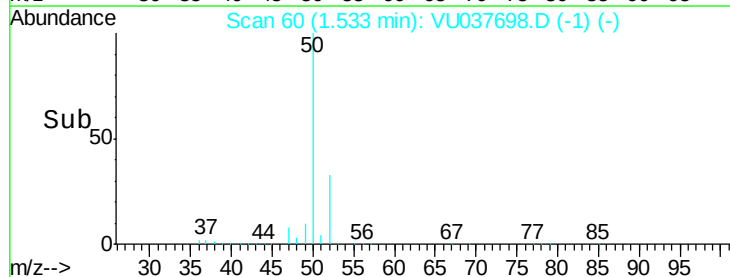
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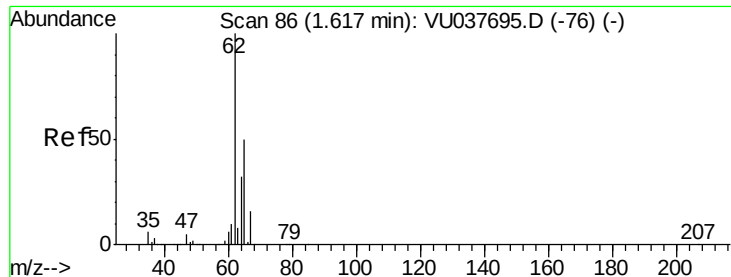
50000

0

1.50 1.55 1.60

Time-->





#5

Vinyl chloride

Concen: 5.062 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037698.D

Acq: 14 Apr 2020 13:53

Instrument :

MSVOA_U

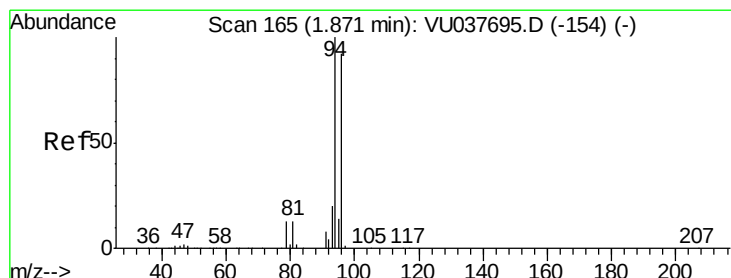
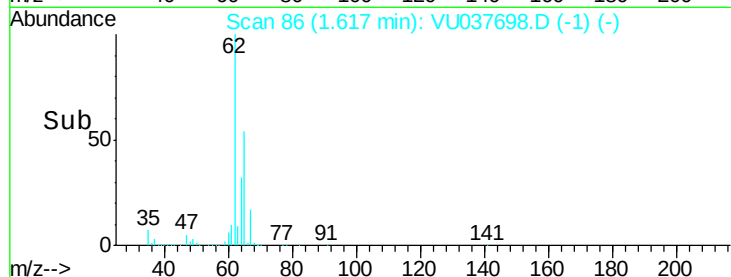
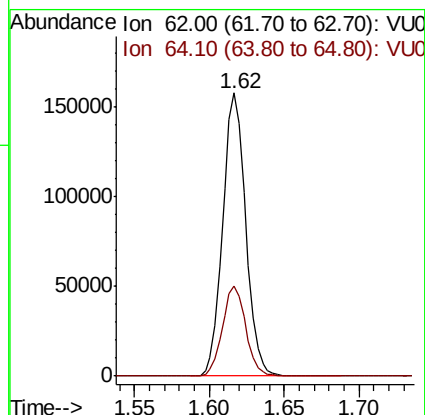
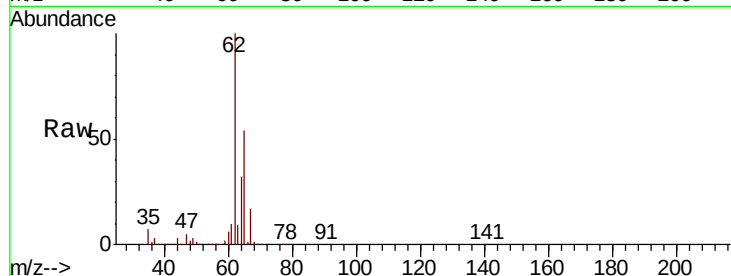
ClientSampleId :

Tot Ion: 62 Resp: 169327

Ion Ratio Lower Upper

62 100

64 31.8 22.1 41.1



#6

Bromomethane

Concen: 5.181 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU037698.D

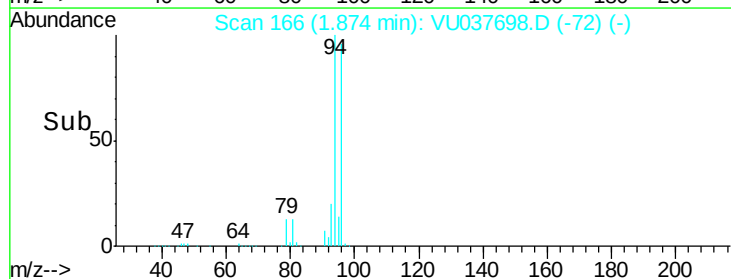
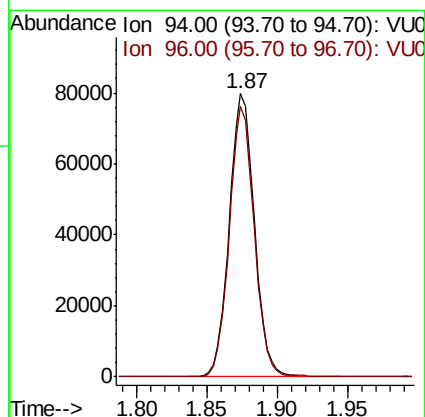
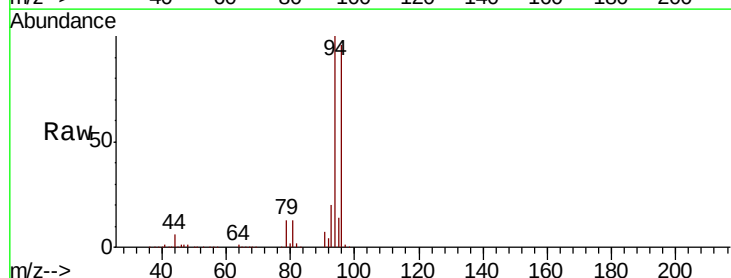
Acq: 14 Apr 2020 13:53

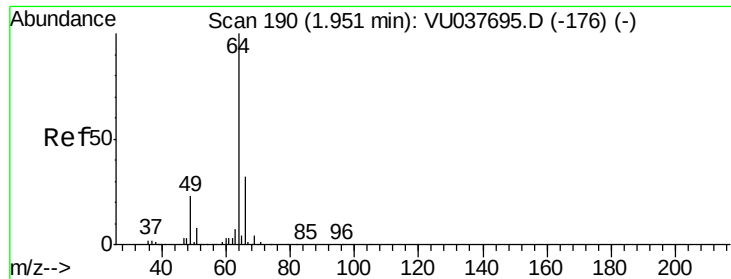
Tgt Ion: 94 Resp: 99506

Ion Ratio Lower Upper

94 100

96 95.7 64.4 119.6

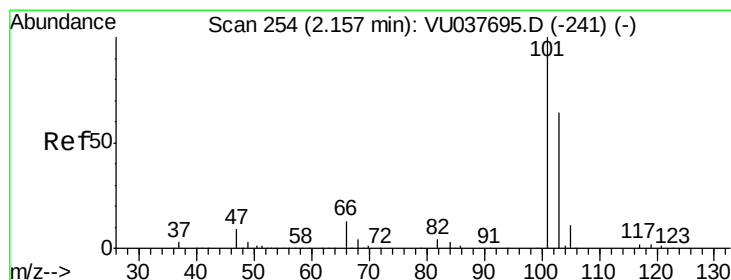
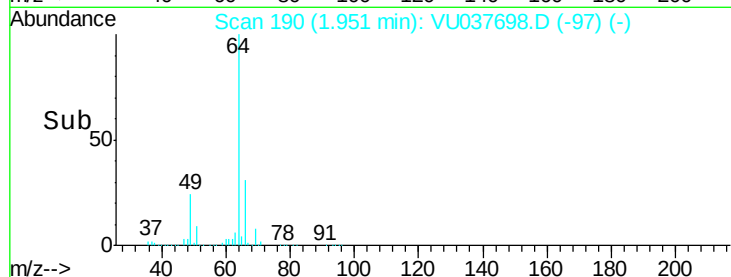
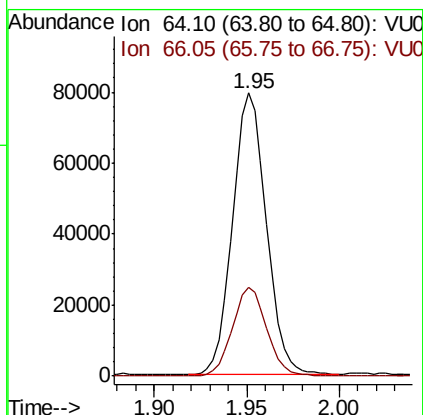
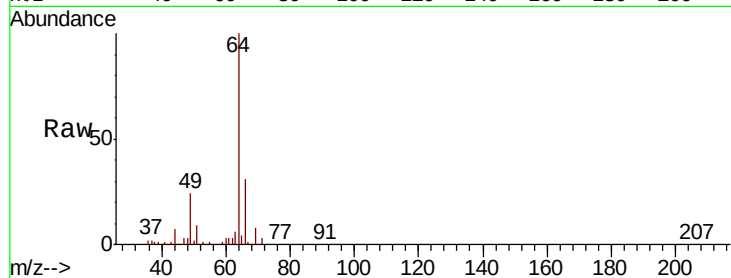




#8
Chloroethane
Concen: 5.058 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU037698.D
Acq: 14 Apr 2020 13:53

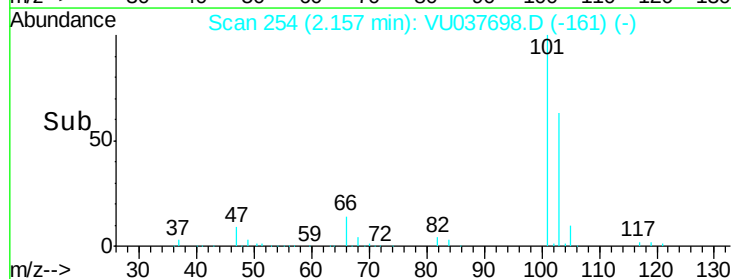
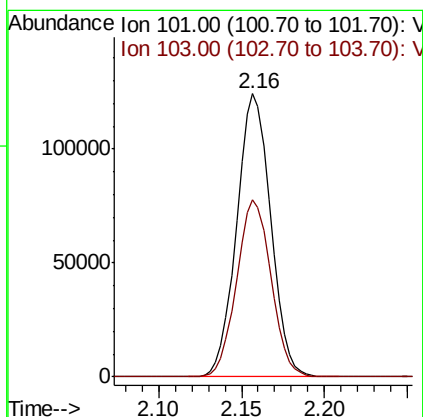
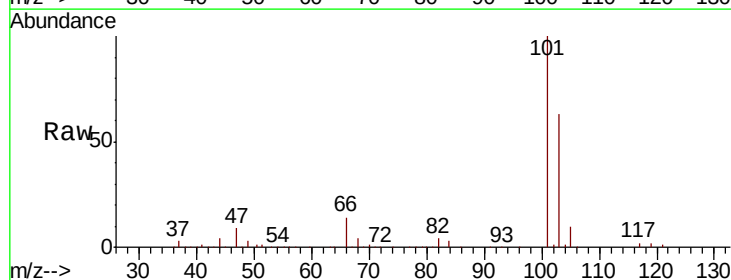
Instrument :
MSVOA_U
ClientSampleId :

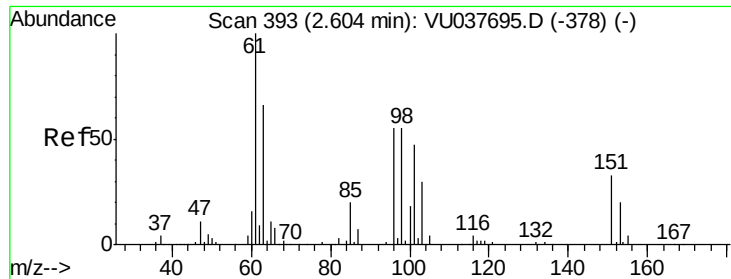
Tot Ion: 64 Resp: 99349
Ion Ratio Lower Upper
64 100
66 31.2 22.3 41.5



#9
Trichlorofluoromethane
Concen: 4.949 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU037698.D
Acq: 14 Apr 2020 13:53

Tgt Ion:101 Resp: 177647
Ion Ratio Lower Upper
101 100
103 63.3 51.0 76.6





#10

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

Concen: 5.049 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037698.D

Acq: 14 Apr 2020 13:53

Instrument :

MSVOA_U

ClientSampleId :

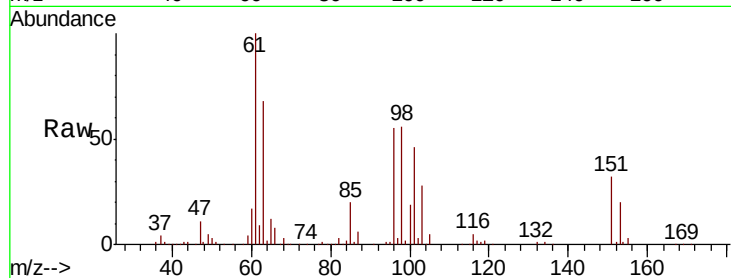
Tot Ion:101 Resp: 105515

Ion Ratio Lower Upper

101 100

85 43.1 34.5 51.7

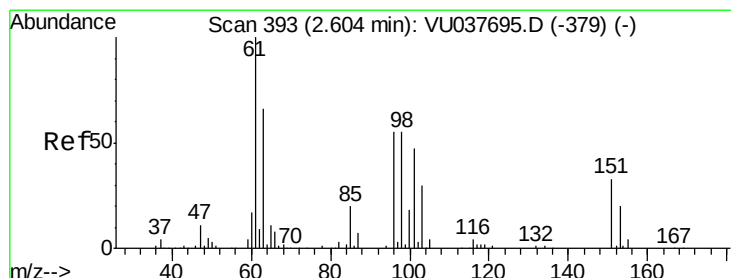
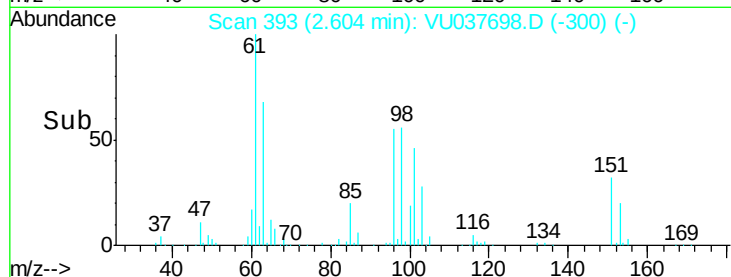
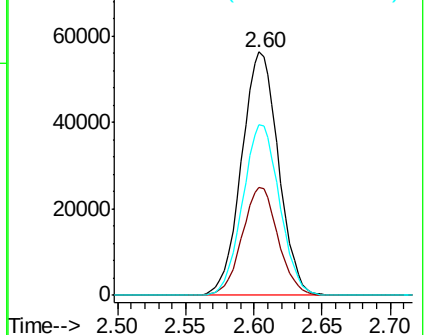
151 70.5 56.9 85.3



Abundance Ion 101.00 (100.70 to 101.70): VU037698.D (-300) (-)

Ion 85.00 (84.70 to 85.70): VU037698.D (-300) (-)

Ion 151.00 (150.70 to 151.70): VU037698.D (-300) (-)



#12

1,1-Dichloroethene

Concen: 5.056 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037698.D

Acq: 14 Apr 2020 13:53

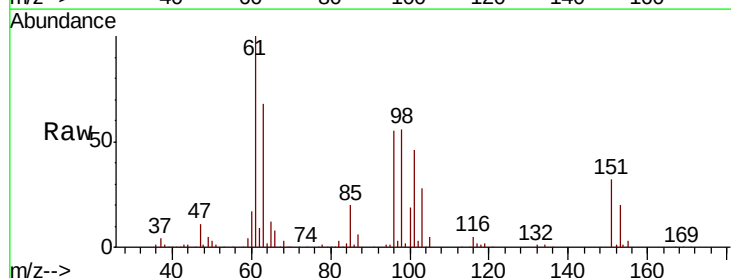
Tgt Ion: 96 Resp: 110772

Ion Ratio Lower Upper

96 100

61 181.9 127.7 237.3

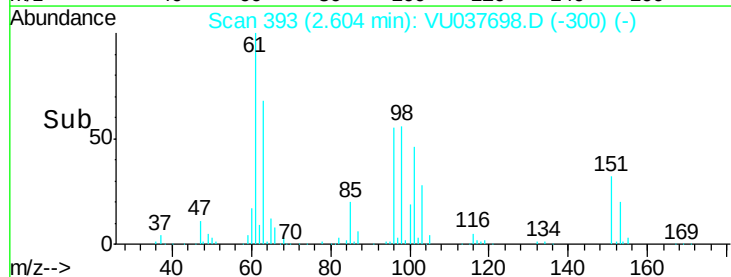
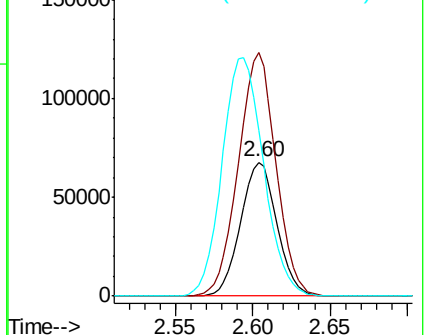
63 124.0 85.0 157.8

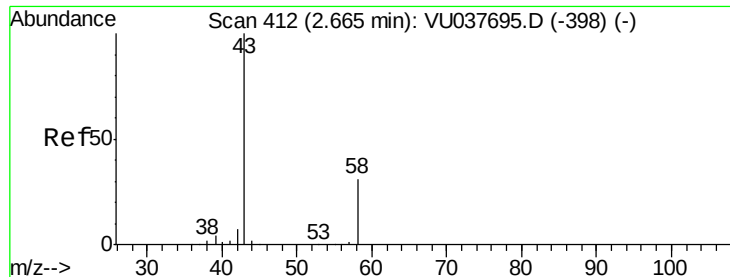


Abundance Ion 96.00 (95.70 to 96.70): VU037698.D (-300) (-)

Ion 61.05 (60.75 to 61.75): VU037698.D (-300) (-)

Ion 63.00 (62.70 to 63.70): VU037698.D (-300) (-)





#13

Acetone

Concen: 51.077 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.01 min

Lab File: VU037698.D

Acq: 14 Apr 2020 13:53

Instrument :

MSVOA_U

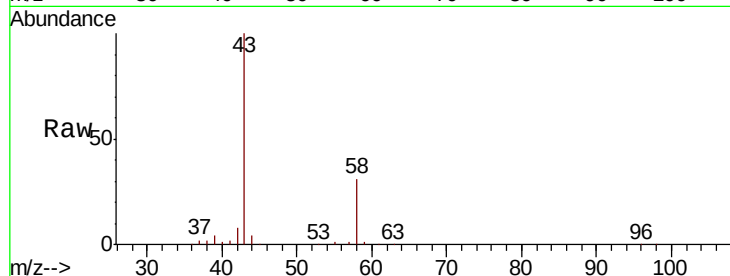
ClientSampleId :

Tot Ion: 43 Resp: 222190

Ion Ratio Lower Upper

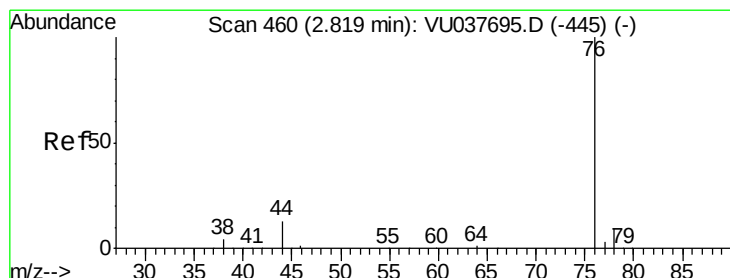
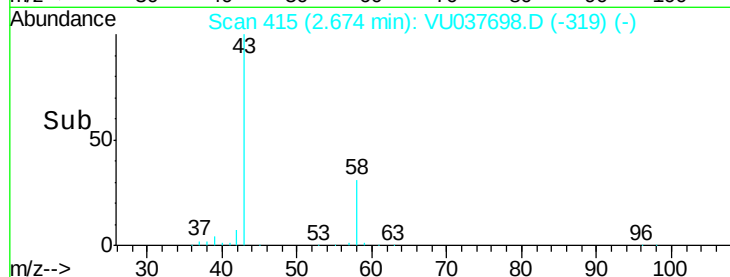
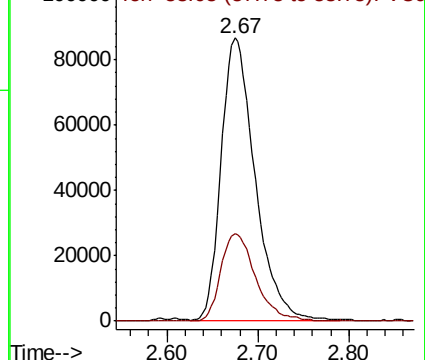
43 100

58 32.1 0.0 64.8



Abundance Ion 43.05 (42.75 to 43.75): VU037698.D (-319) (-)

Ion 58.05 (57.75 to 58.75): VU037698.D (-319) (-)



#14

Carbon disulfide

Concen: 4.973 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037698.D

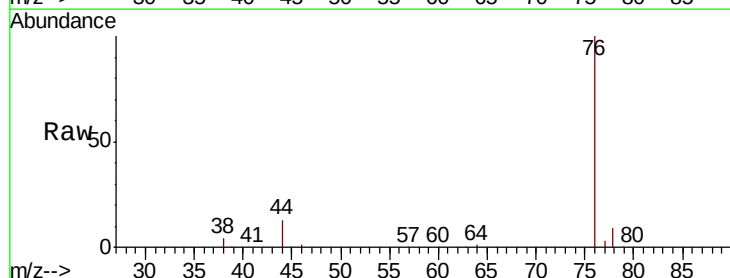
Acq: 14 Apr 2020 13:53

Tgt Ion: 76 Resp: 397793

Ion Ratio Lower Upper

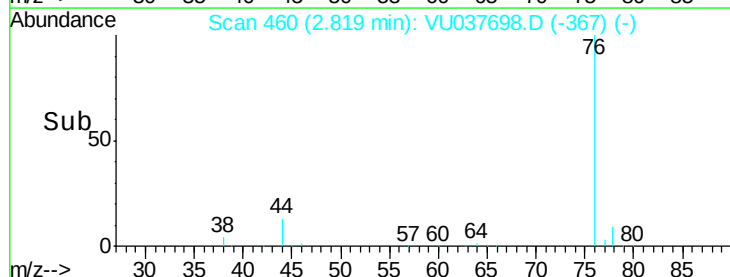
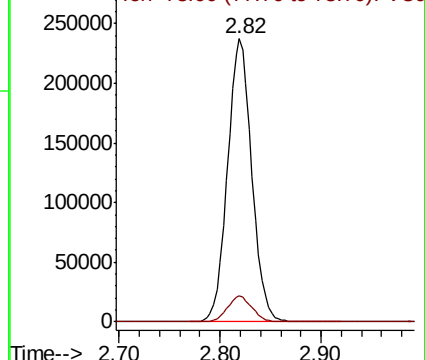
76 100

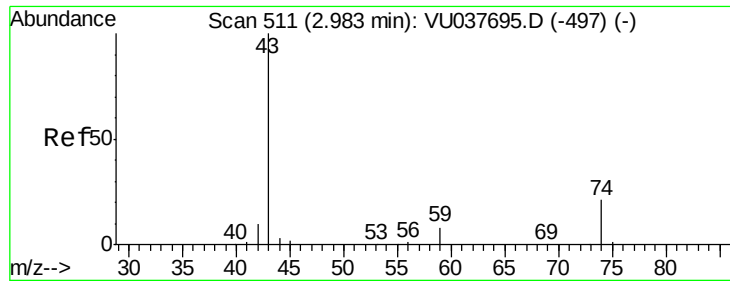
78 9.2 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU037698.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU037698.D (-367) (-)





#15

Methvl Acetate

Concen: 5.101 ug/L

RT: 2.99 min Scan# 513

Delta R.T. 0.01 min

Lab File: VU037698.D

Acq: 14 Apr 2020 13:53

Instrument :

MSVOA_U

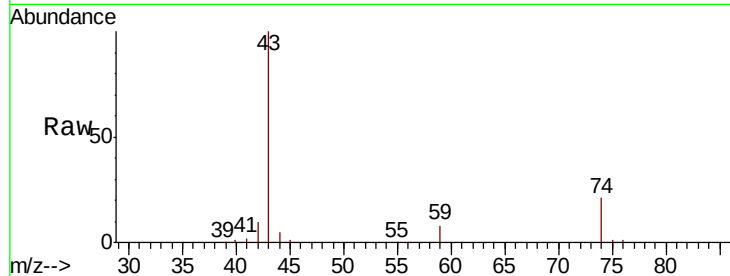
ClientSampleId :

Tot Ion: 43 Resp: 61700

Ion Ratio Lower Upper

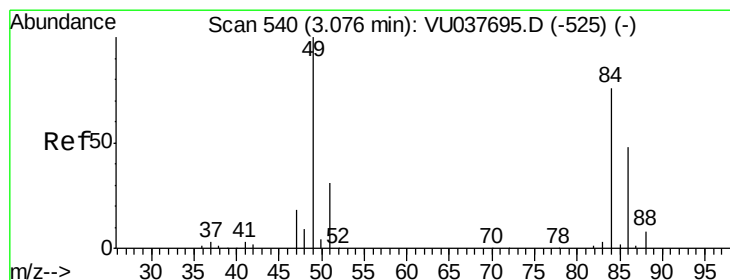
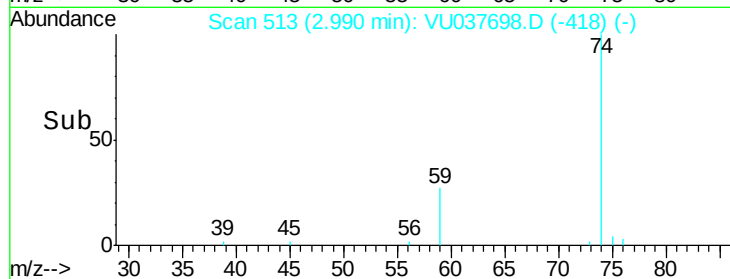
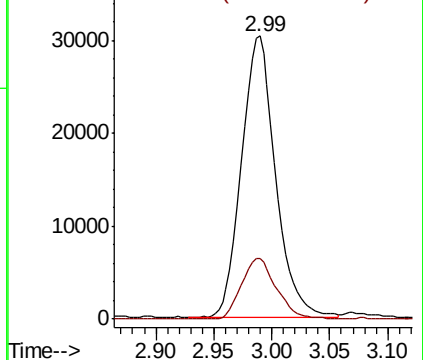
43 100

74 22.2 17.2 25.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.984 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU037698.D

Acq: 14 Apr 2020 13:53

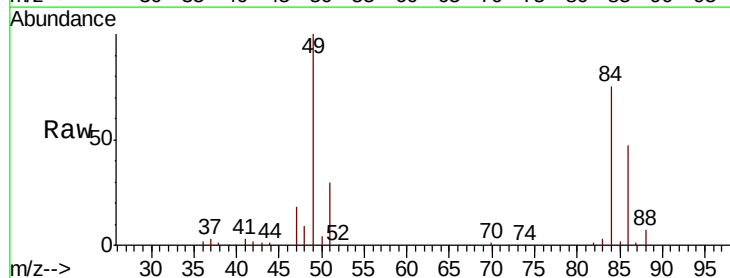
Tgt Ion: 84 Resp: 123099

Ion Ratio Lower Upper

84 100

86 63.0 44.2 82.0

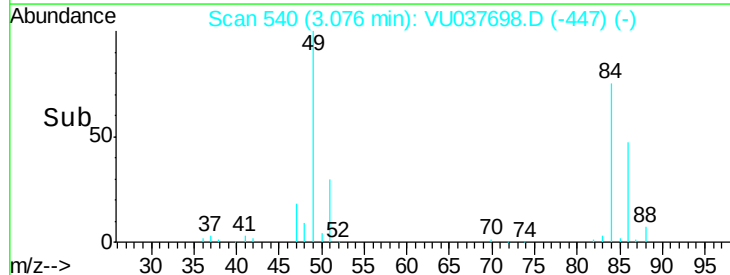
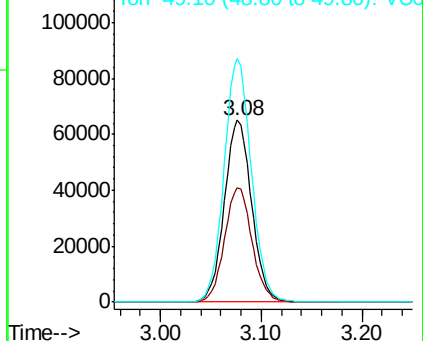
49 134.1 92.4 171.6

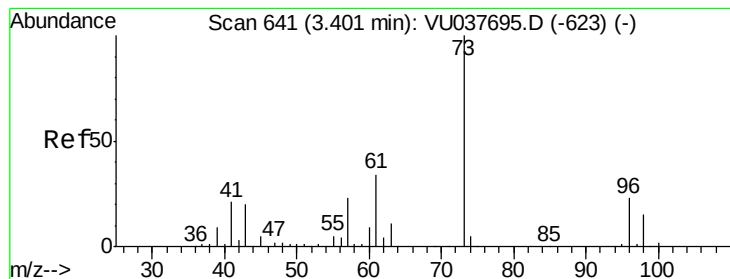


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0



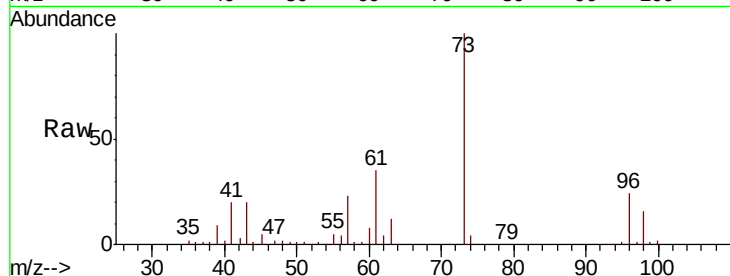


#17

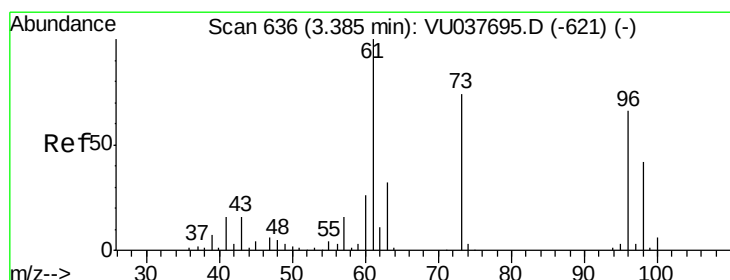
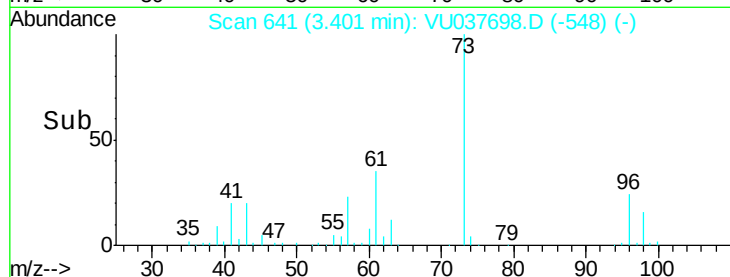
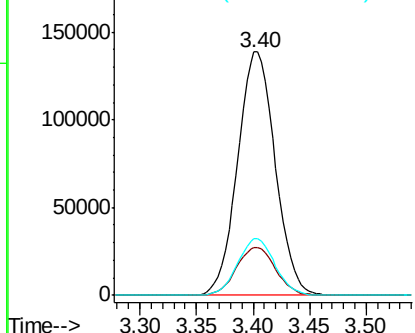
Methyl tert-butyl Ether
 Concen: 5.064 ug/L
 RT: 3.40 min Scan# 641
 Delta R.T. -0.00 min
 Lab File: VU037698.D
 Acq: 14 Apr 2020 13:53

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 73 Resp: 321281
 Ion Ratio Lower Upper
 73 100
 43 20.4 16.4 24.6
 57 23.2 18.4 27.6



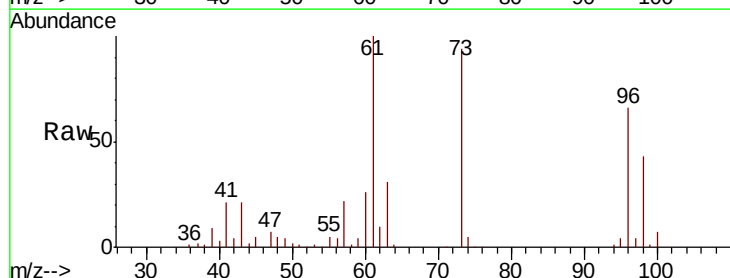
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



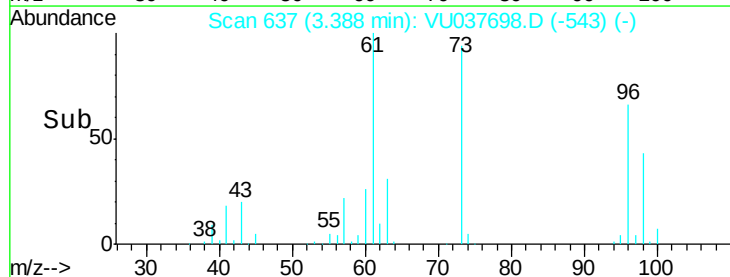
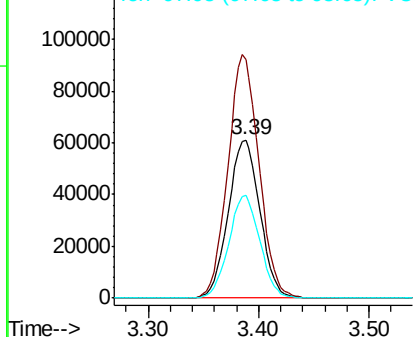
#18

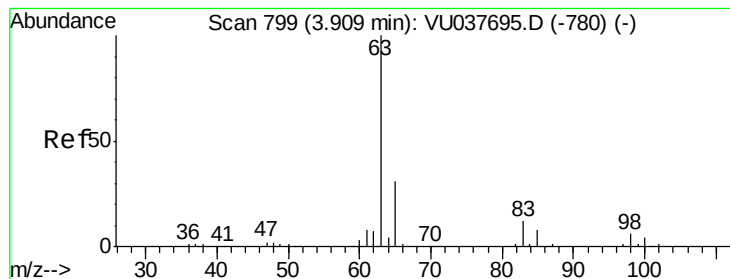
trans-1,2-Dichloroethene
 Concen: 5.102 ug/L
 RT: 3.39 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VU037698.D
 Acq: 14 Apr 2020 13:53

Tgt Ion: 96 Resp: 121183
 Ion Ratio Lower Upper
 96 100
 61 151.0 106.7 198.3
 98 64.9 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: 5.056 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU037698.D

Acq: 14 Apr 2020 13:53

Instrument :

MSVOA_U

ClientSampleId :

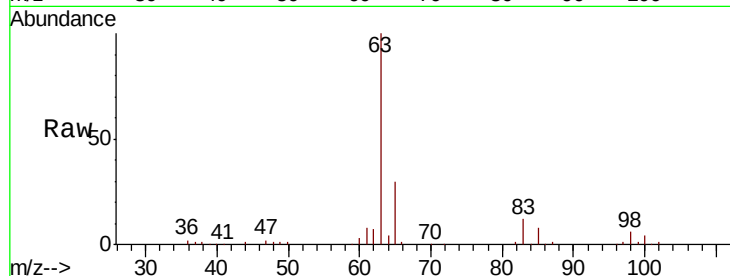
Tot Ion: 63 Resp: 232281

Ion Ratio Lower Upper

63 100

65 30.4 21.6 40.2

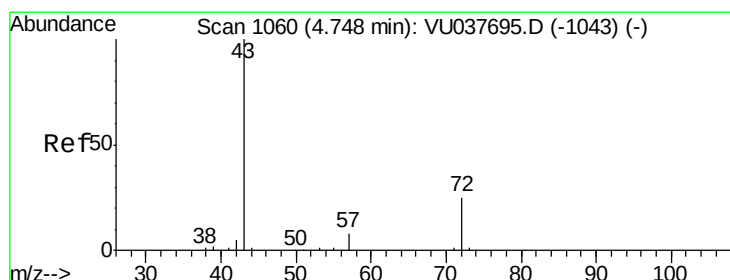
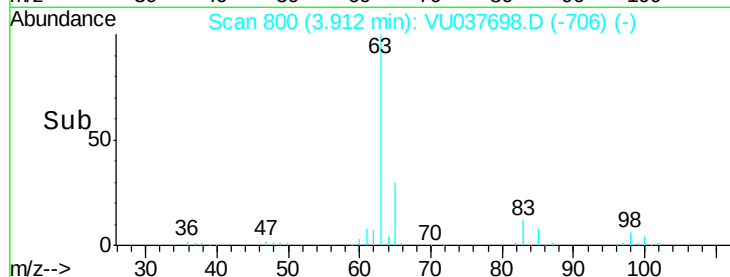
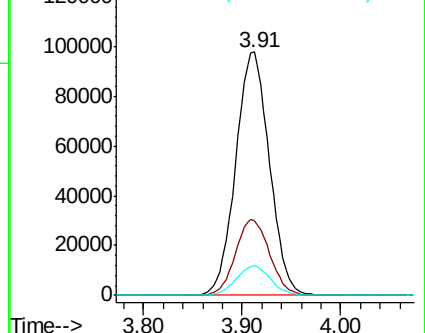
83 12.1 8.6 16.0



Abundance Ion 63.10 (62.80 to 63.80): VU037698.D (-706) (-)

Ion 65.10 (64.80 to 65.80): VU037698.D (-706) (-)

Ion 83.05 (82.75 to 83.75): VU037698.D (-706) (-)



#21

2-Butanone

Concen: 52.975 ug/L

RT: 4.76 min Scan# 1063

Delta R.T. 0.01 min

Lab File: VU037698.D

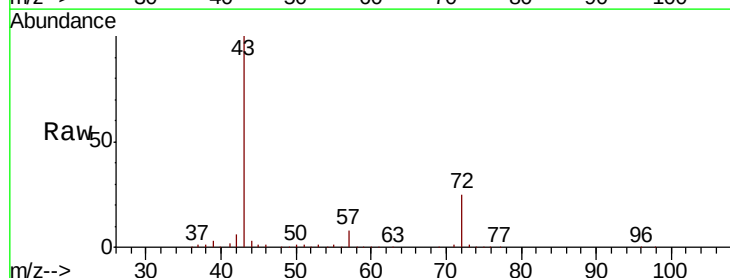
Acq: 14 Apr 2020 13:53

Tgt Ion: 43 Resp: 418703

Ion Ratio Lower Upper

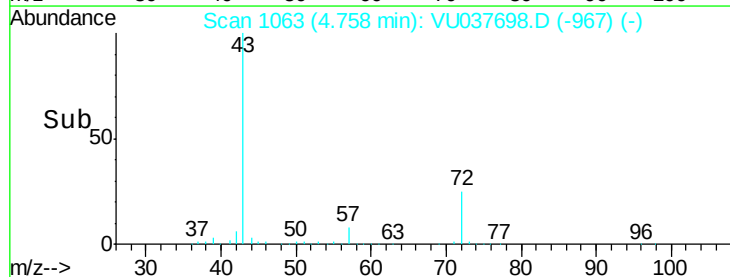
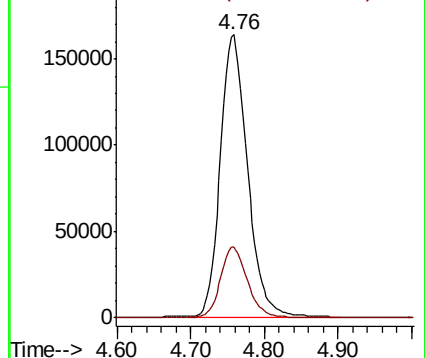
43 100

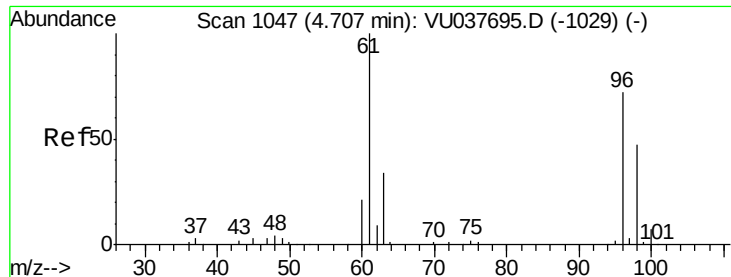
72 25.4 12.6 37.6



Abundance Ion 43.05 (42.75 to 43.75): VU037698.D (-967) (-)

Ion 72.10 (71.80 to 72.80): VU037698.D (-967) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.067 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037698.D

Acq: 14 Apr 2020 13:53

Instrument :
MSVOA_U
ClientSampled :

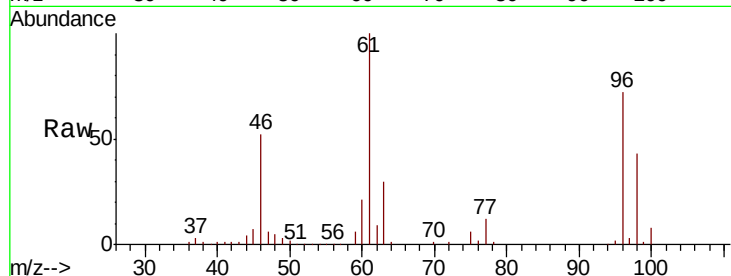
Tot Ion: 96 Resp: 130041

Ion Ratio Lower Upper

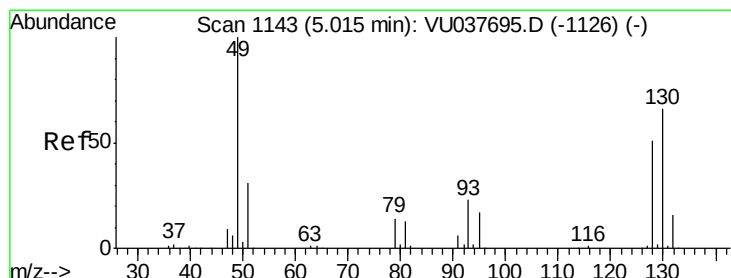
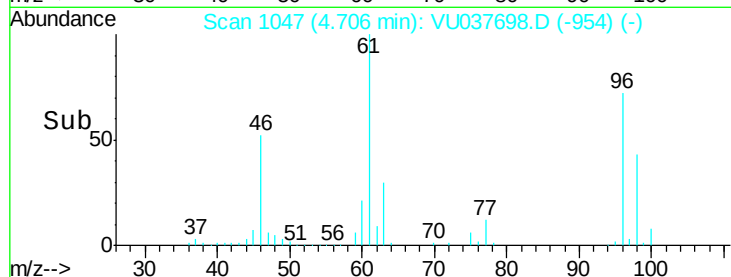
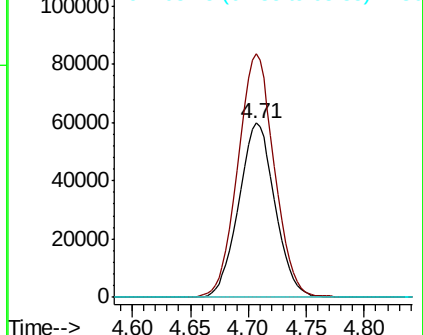
96 100

61 139.6 97.0 180.2

68 0.0 0.0 0.0



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



#23

Bromochloromethane

Concen: 5.046 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU037698.D

Acq: 14 Apr 2020 13:53

Tgt Ion: 128 Resp: 54892

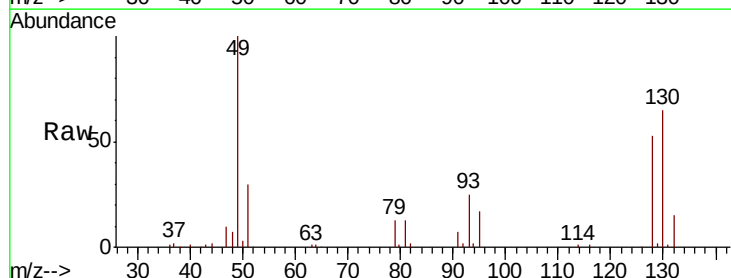
Ion Ratio Lower Upper

128 100

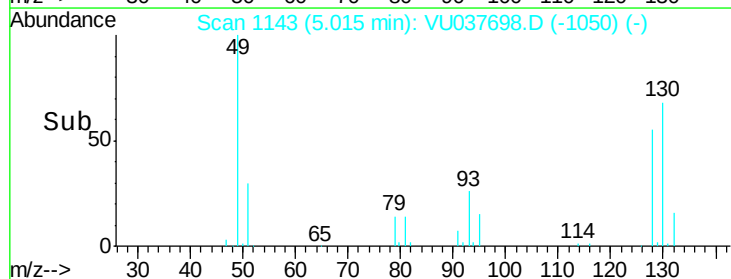
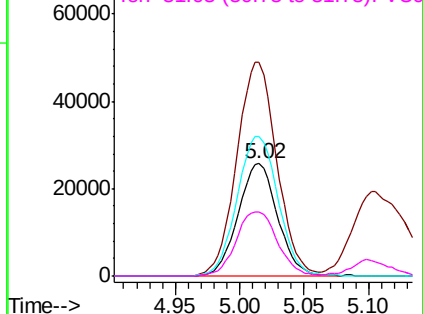
49 190.2 138.6 257.4

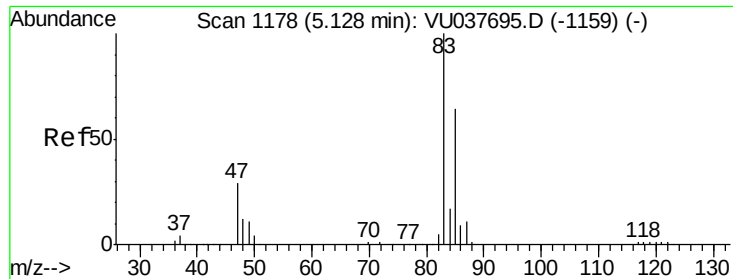
130 124.5 91.3 169.5

51 56.5 49.3 73.9



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

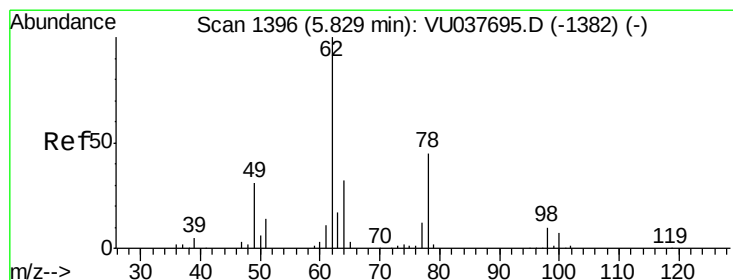
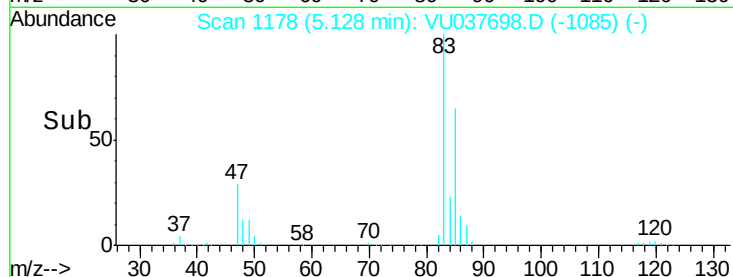
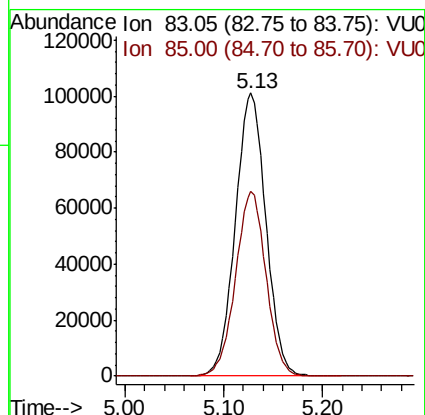
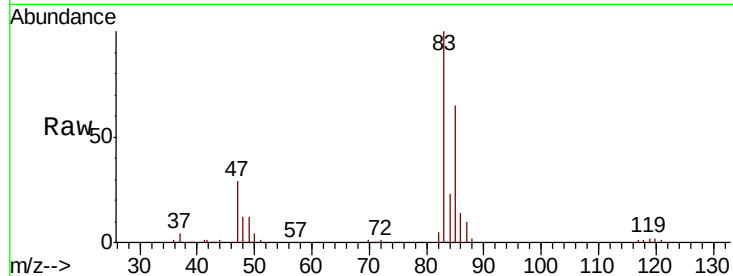




#25
Chloroform
Concen: 4.977 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037698.D
Acq: 14 Apr 2020 13:53

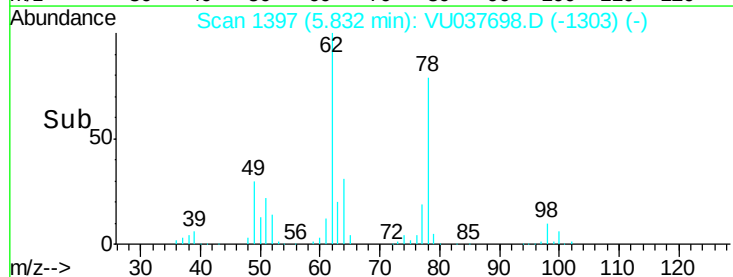
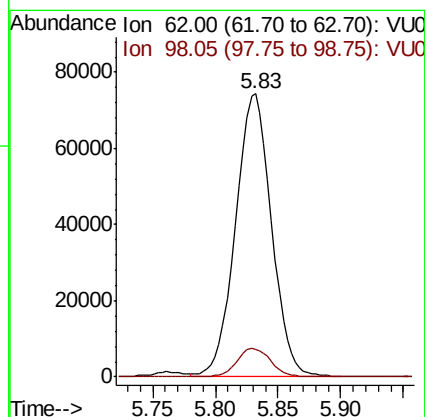
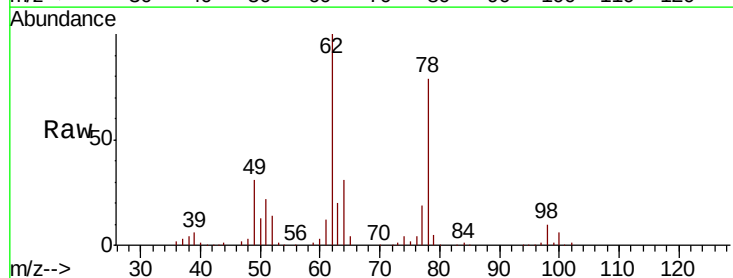
Instrument :
MSVOA_U
ClientSampled :

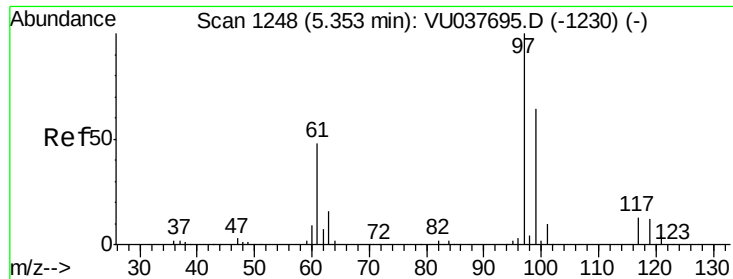
Tot Ion: 83 Resp: 217215
Ion Ratio Lower Upper
83 100
85 65.5 44.9 83.3



#27
1,2-Dichloroethane
Concen: 5.016 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037698.D
Acq: 14 Apr 2020 13:53

Tgt Ion: 62 Resp: 147983
Ion Ratio Lower Upper
62 100
98 9.8 7.6 11.4

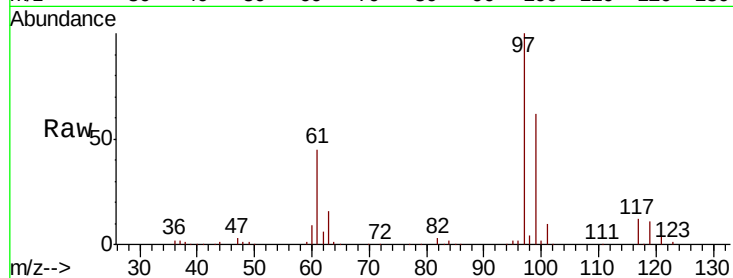




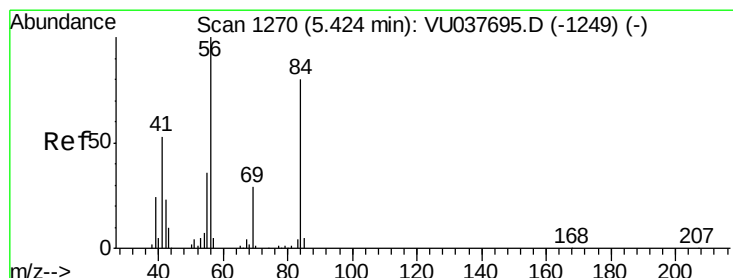
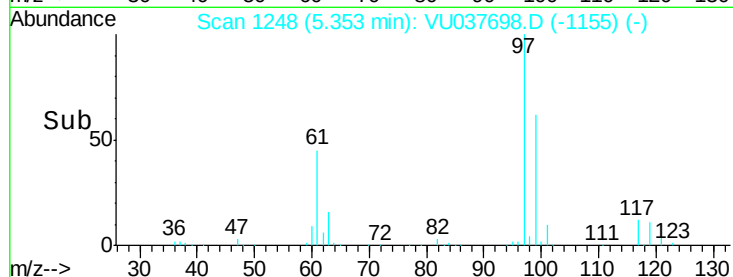
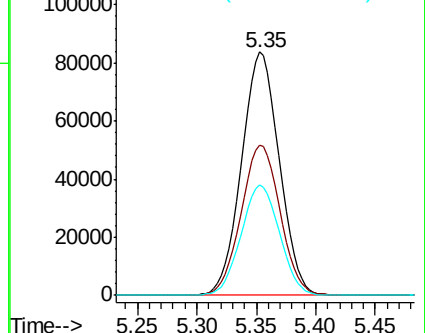
#29
 1,1,1-Trichloroethane
 Concen: 5.122 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU037698.D
 Acq: 14 Apr 2020 13:53

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 184214
 Ion Ratio Lower Upper
 97 100
 99 64.0 52.0 78.0
 61 46.2 37.8 56.8

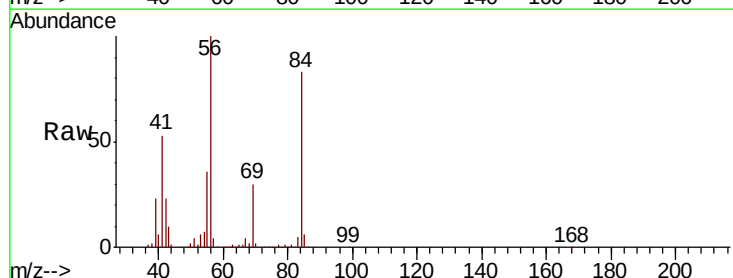


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

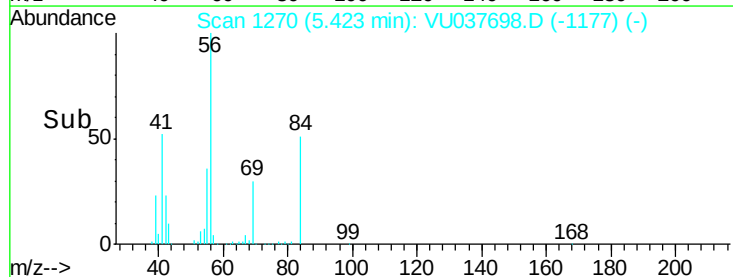
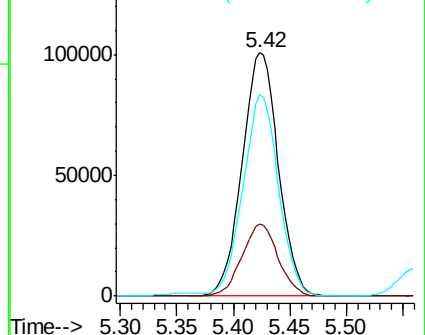


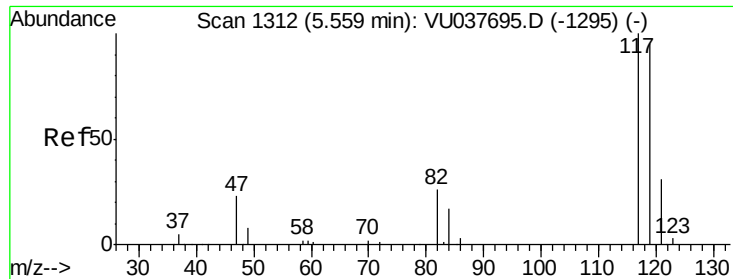
#30
 Cyclohexane
 Concen: 5.052 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU037698.D
 Acq: 14 Apr 2020 13:53

Tgt Ion: 56 Resp: 224866
 Ion Ratio Lower Upper
 56 100
 69 29.6 23.9 35.9
 84 81.3 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

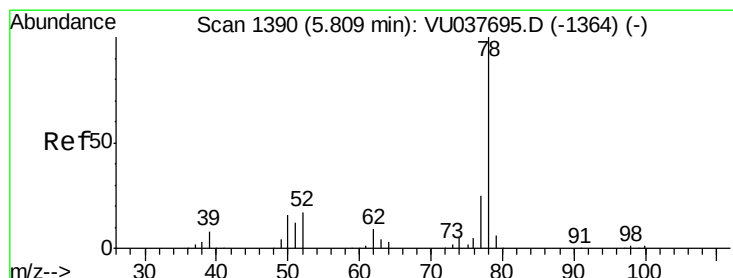
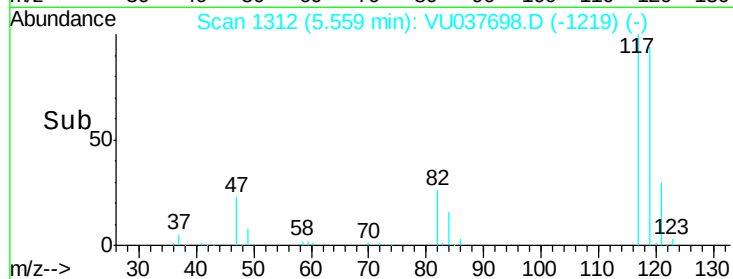
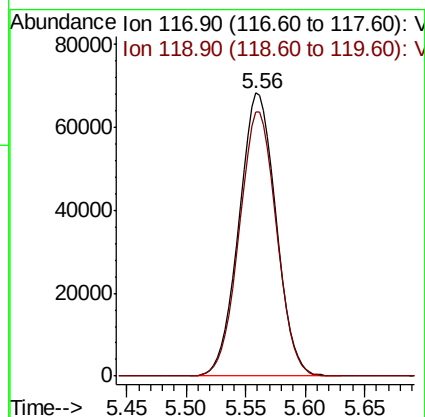
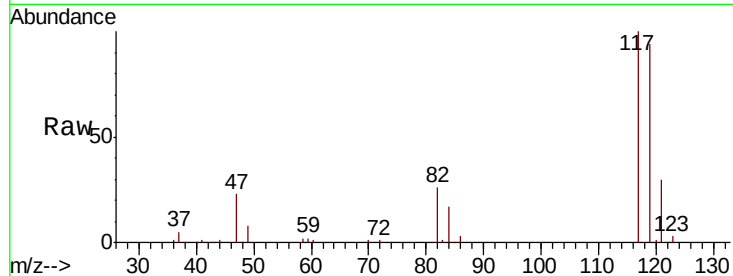




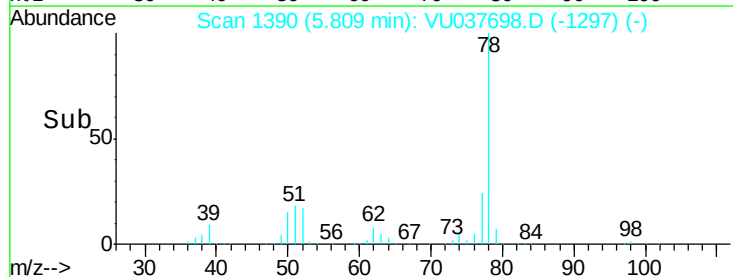
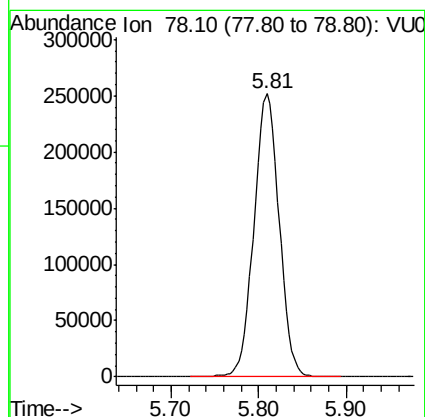
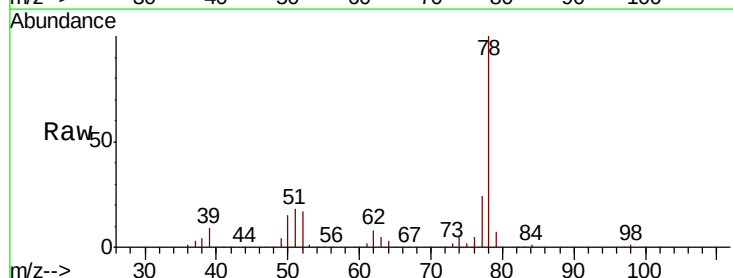
#31
Carbon tetrachloride
Concen: 5.144 ug/L
RT: 5.56 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU037698.D
Acq: 14 Apr 2020 13:53

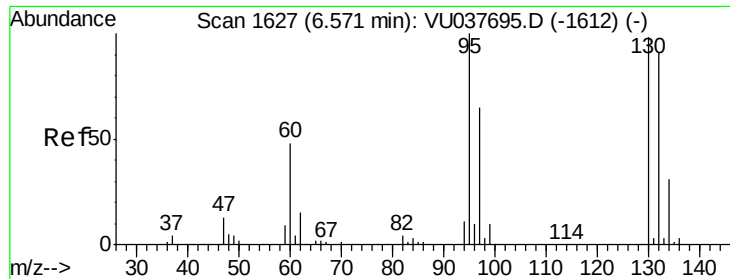
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 147402
Ion Ratio Lower Upper
117 100
119 94.0 77.4 116.0



#33
Benzene
Concen: 5.148 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU037698.D
Acq: 14 Apr 2020 13:53
Tgt Ion: 78 Resp: 504163

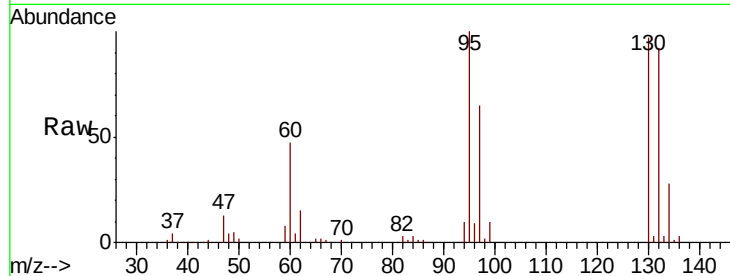




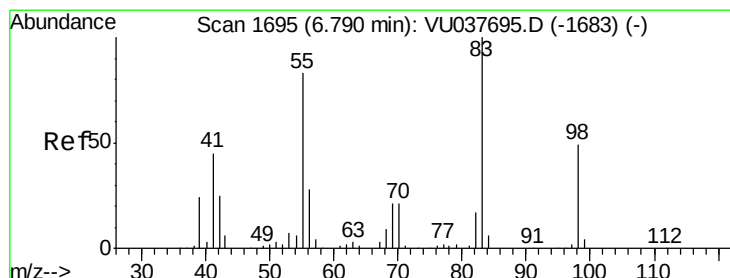
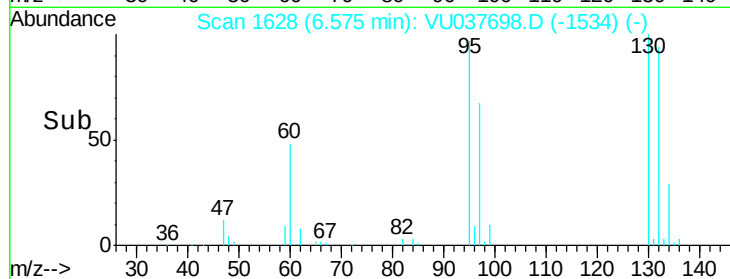
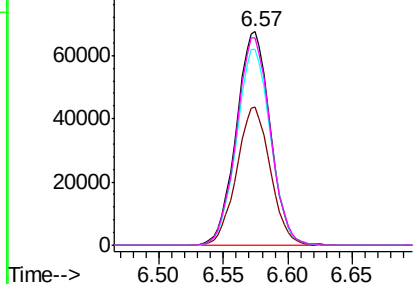
#34
 Trichloroethene
 Concen: 5.144 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VU037698.D
 Acq: 14 Apr 2020 13:53

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 123808
 Ion Ratio Lower Upper
 95 100
 97 64.6 45.4 84.2
 132 91.7 63.7 118.3
 130 97.1 68.7 127.5

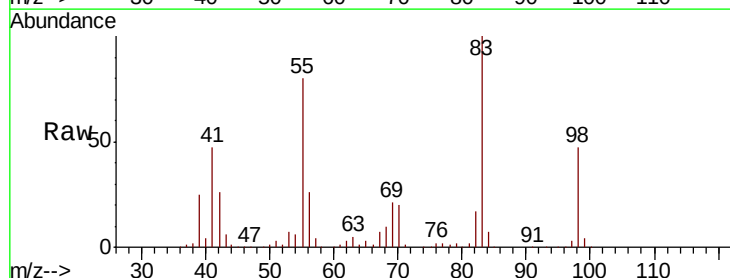


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

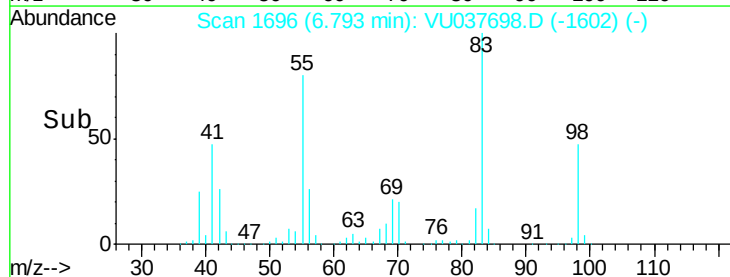
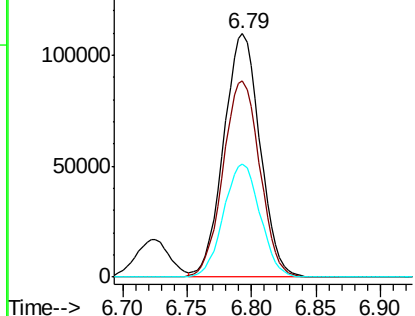


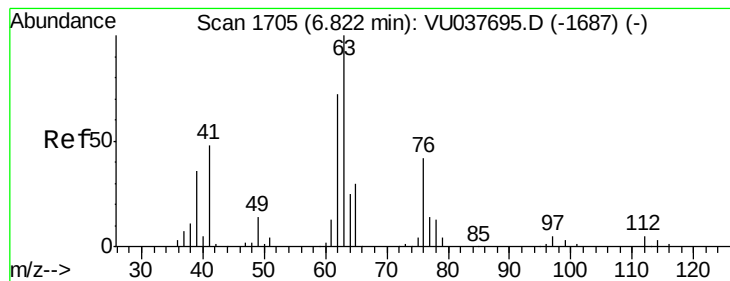
#35
 Methylcyclohexane
 Concen: 5.080 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU037698.D
 Acq: 14 Apr 2020 13:53

Tgt Ion: 83 Resp: 214268
 Ion Ratio Lower Upper
 83 100
 55 81.1 65.5 98.3
 98 46.8 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: 5.278 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. -0.00 min

Lab File: VU037698.D

Acq: 14 Apr 2020 13:53

Instrument :

MSVOA_U

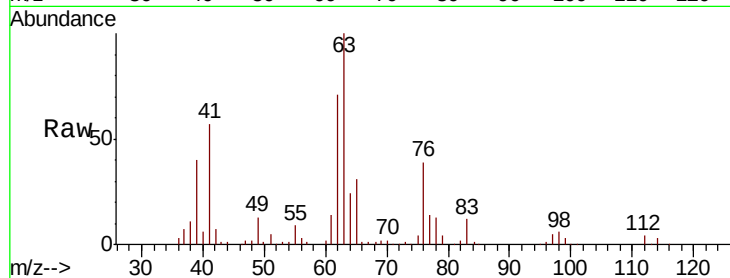
ClientSampleId :

Tot Ion: 63 Resp: 137079

Ion Ratio Lower Upper

63 100

112 3.8 3.4 5.0



Abundance Ion 63.10 (62.80 to 63.80): VU037698.D (-1612) (-)

Ion 112.10 (111.80 to 112.80): VU037698.D (-1612) (-)

6.82

80000

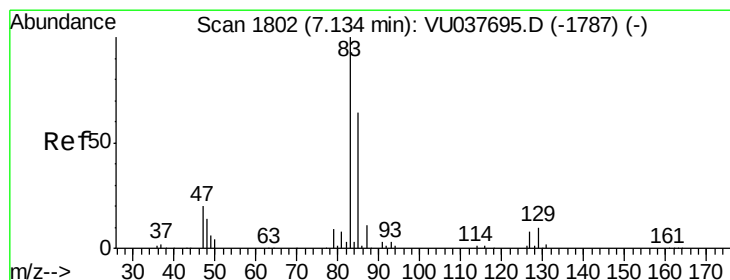
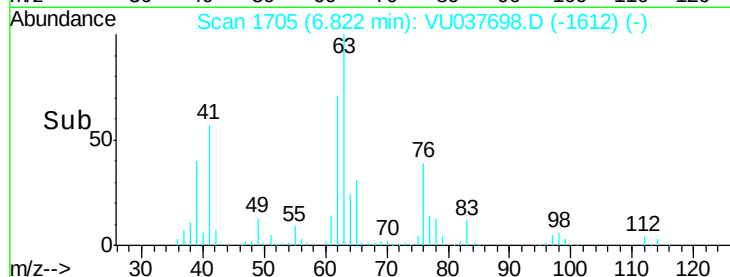
60000

40000

20000

0

Time--> 6.70 6.80 6.90



#38

Bromodichloromethane

Concen: 5.202 ug/L

RT: 7.14 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VU037698.D

Acq: 14 Apr 2020 13:53

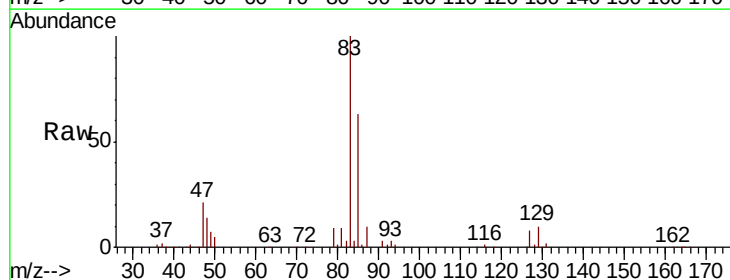
Tgt Ion: 83 Resp: 160663

Ion Ratio Lower Upper

83 100

85 63.1 45.1 83.7

127 7.9 6.6 9.8



Abundance Ion 82.95 (82.65 to 83.65): VU037698.D (-1709) (-)

Ion 85.00 (84.70 to 85.70): VU037698.D (-1709) (-)

Ion 126.90 (126.60 to 127.60): VU037698.D (-1709) (-)

7.14

120000

100000

80000

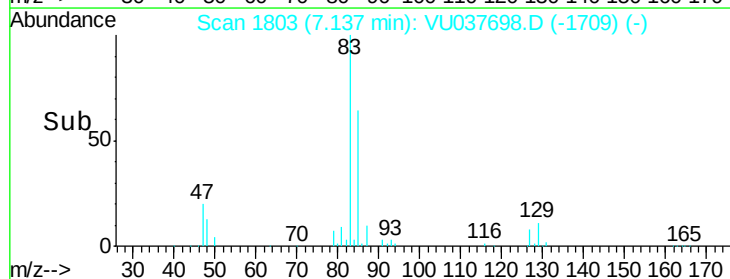
60000

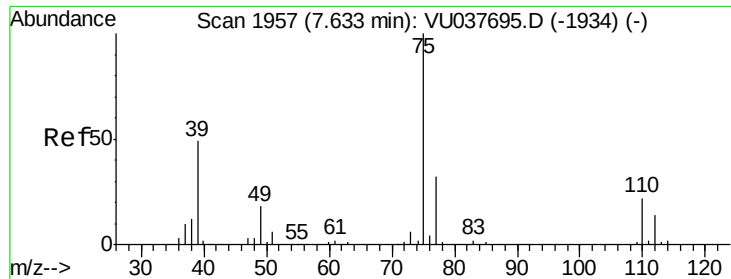
40000

20000

0

Time--> 7.05 7.10 7.15 7.20 7.25



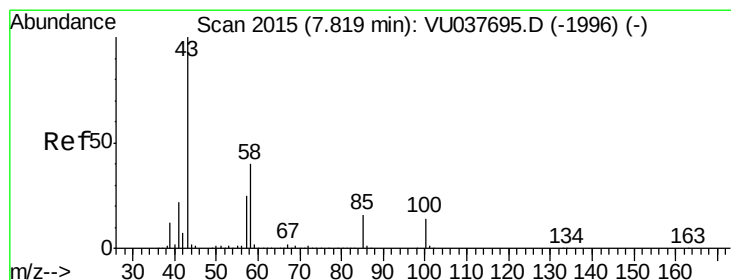
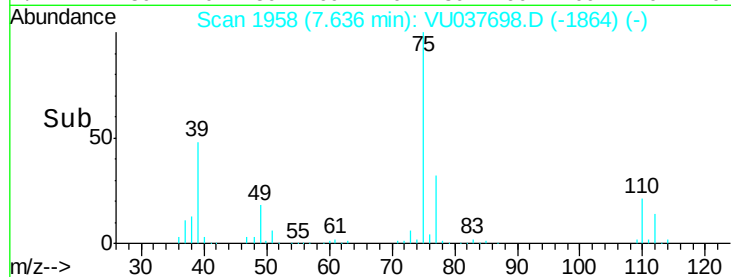
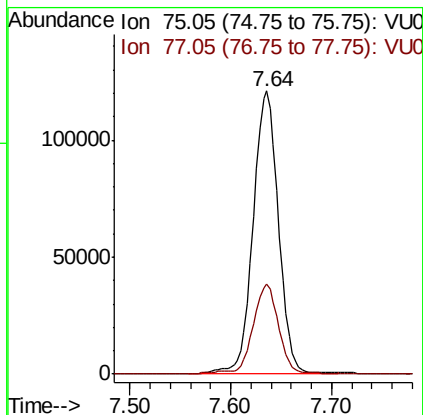
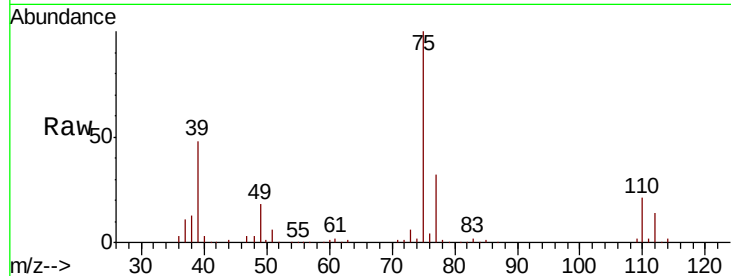


#39

cis-1,3-Dichloropropene
Concen: 5.167 ug/L
RT: 7.64 min Scan# 1958
Delta R.T. 0.00 min
Lab File: VU037698.D
Acq: 14 Apr 2020 13:53

Instrument :
MSVOA_U
ClientSampled :

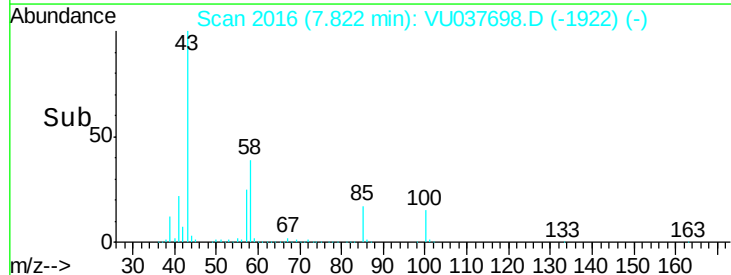
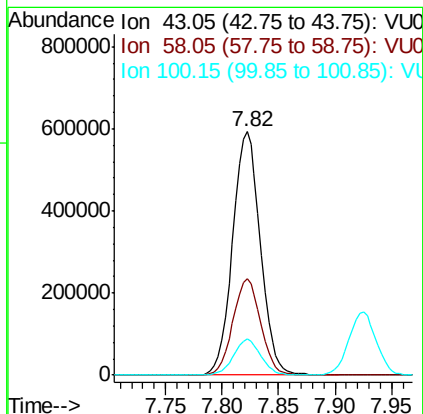
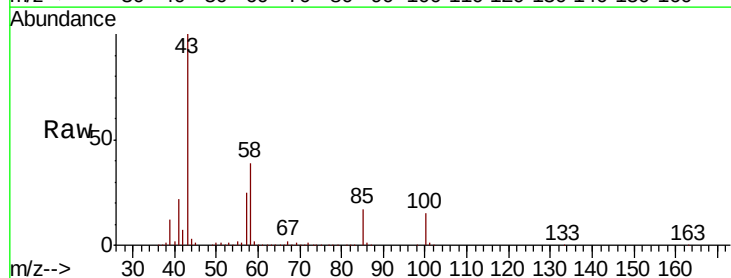
Tot Ion: 75 Resp: 210049
Ion Ratio Lower Upper
75 100
77 31.8 22.2 41.2

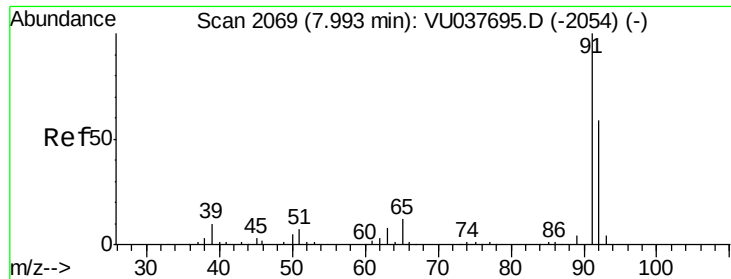


#40

4-Methyl-2-pentanone
Concen: 53.081 ug/L
RT: 7.82 min Scan# 2016
Delta R.T. 0.00 min
Lab File: VU037698.D
Acq: 14 Apr 2020 13:53

Tgt Ion: 43 Resp: 1013533
Ion Ratio Lower Upper
43 100
58 39.5 31.3 46.9
100 14.6 11.5 17.3





#42

Toluene

Concen: 5.105 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037698.D

Acq: 14 Apr 2020 13:53

Instrument :

MSVOA_U

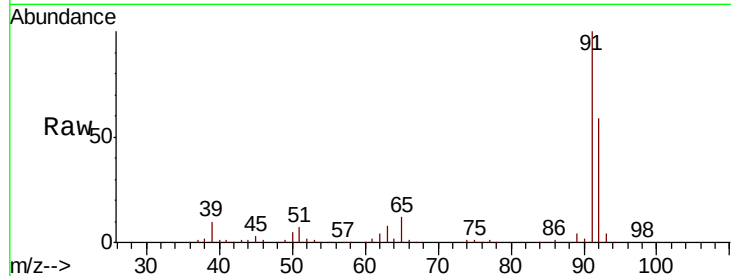
ClientSampleId :

Tot Ion: 91 Resp: 523696

Ion Ratio Lower Upper

91 100

92 58.8 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) (-)

8.00

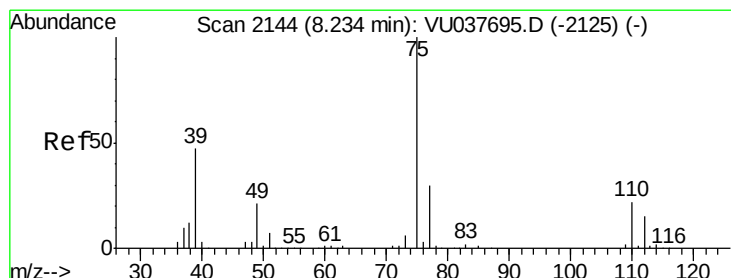
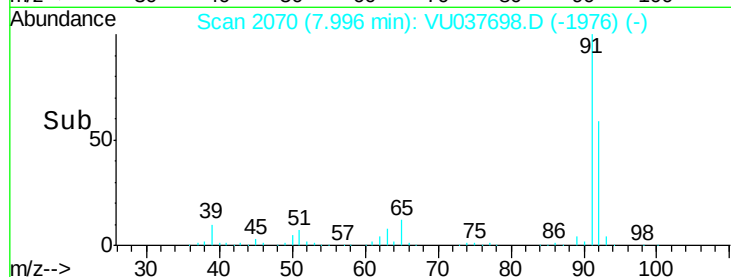
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.180 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU037698.D

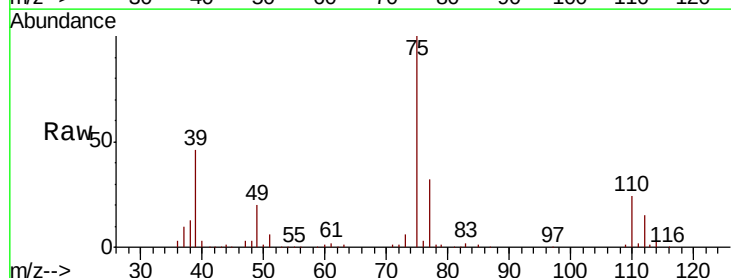
Acq: 14 Apr 2020 13:53

Tgt Ion: 75 Resp: 182805

Ion Ratio Lower Upper

75 100

77 31.8 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) (-)

8.24

120000

100000

80000

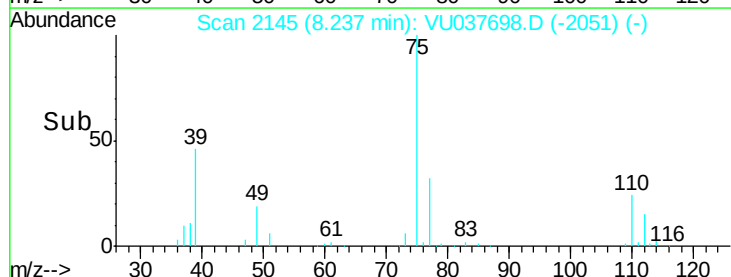
60000

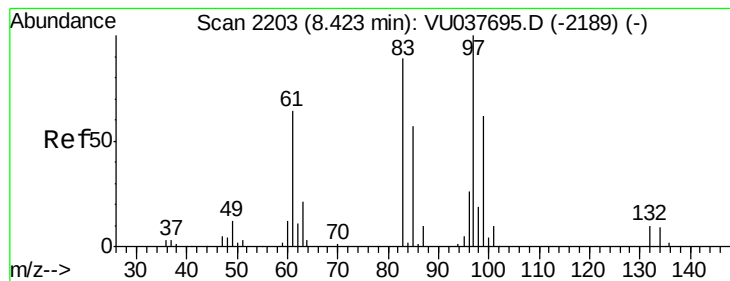
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.170 ug/L

RT: 8.43 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VU037698.D

Acq: 14 Apr 2020 13:53

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 90490

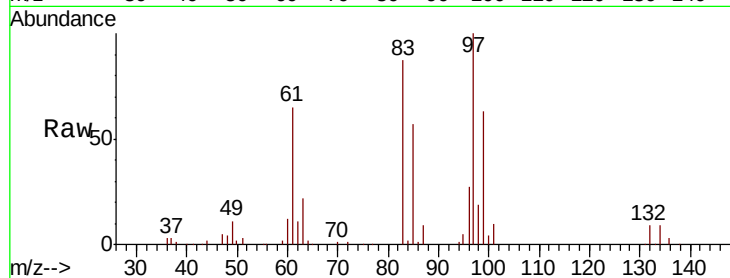
Ion Ratio Lower Upper

97 100

99 62.9 43.1 80.1

83 87.3 62.4 116.0

85 56.7 39.6 73.6



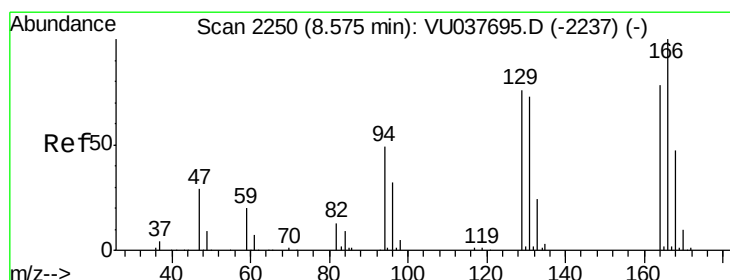
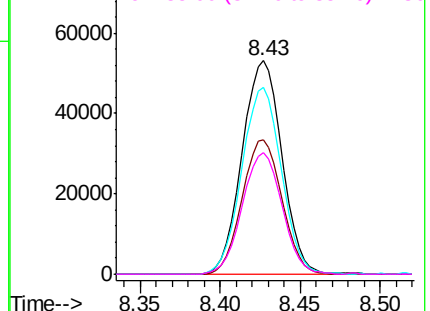
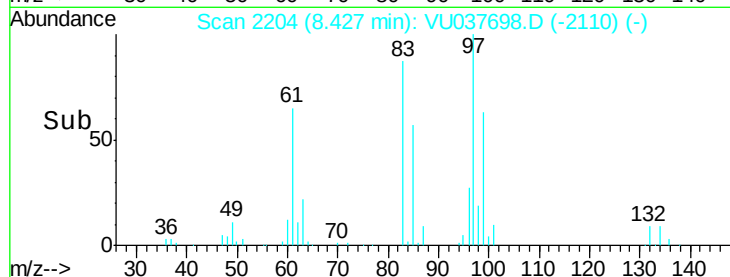
Abundance

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: 5.203 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. 0.00 min

Lab File: VU037698.D

Acq: 14 Apr 2020 13:53

Tgt Ion: 164 Resp: 89983

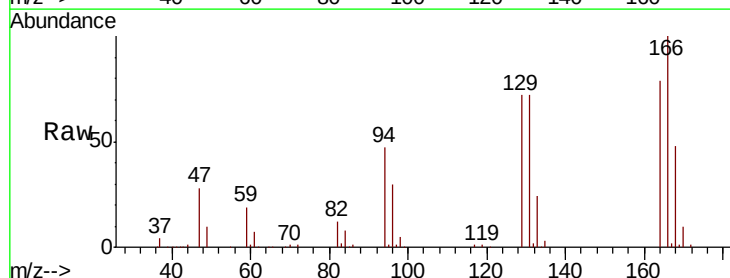
Ion Ratio Lower Upper

164 100

129 91.0 68.1 126.5

131 90.4 65.9 122.5

166 126.0 89.7 166.7



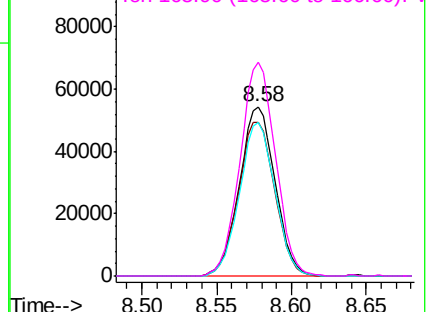
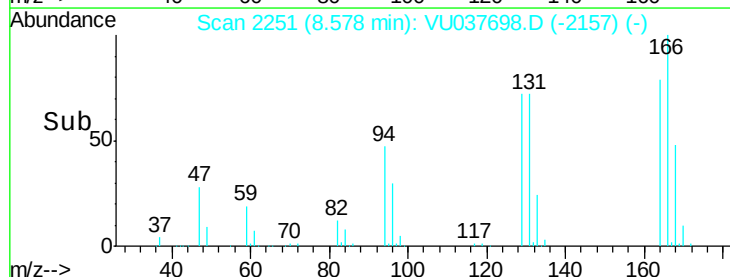
Abundance

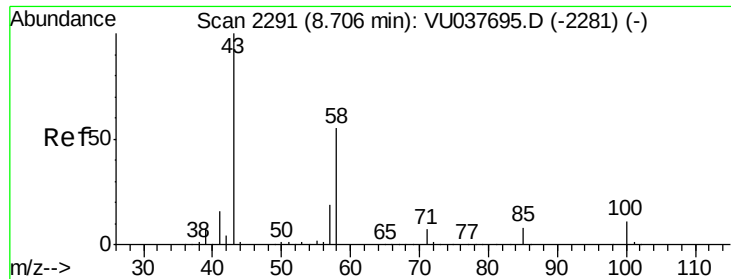
Ion 163.90 (163.60 to 164.60): V

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

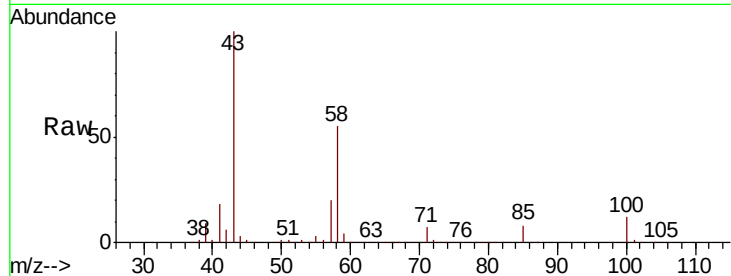




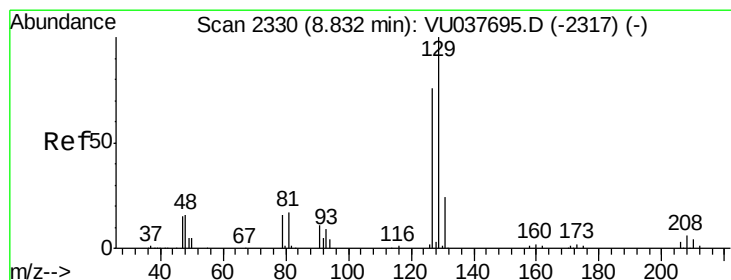
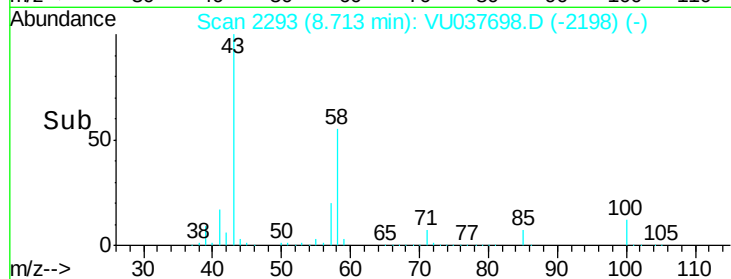
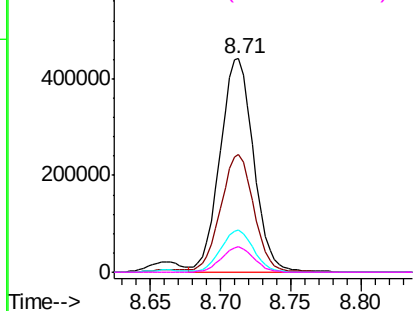
#48
2-Hexanone
Concen: 53.269 ug/L
RT: 8.71 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VU037698.D
Acq: 14 Apr 2020 13:53

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 728230
Ion Ratio Lower Upper
43 100
58 54.7 43.6 65.4
57 19.7 15.4 23.0
100 11.7 9.1 13.7

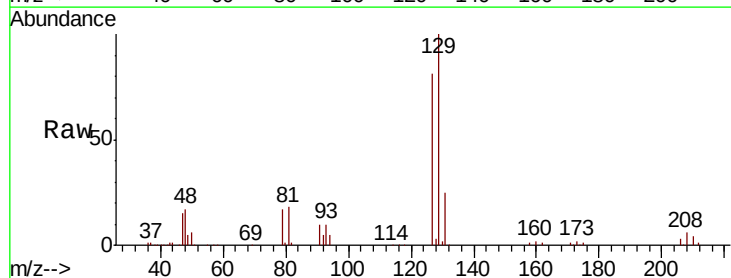


Abundance Ion 43.05 (42.75 to 43.75): VU037698.D (-2198) (-)
Ion 58.05 (57.75 to 58.75): VU037698.D (-2198) (-)
Ion 57.20 (56.90 to 57.90): VU037698.D (-2198) (-)
Ion 100.15 (99.85 to 100.85): VU037698.D (-2198) (-)

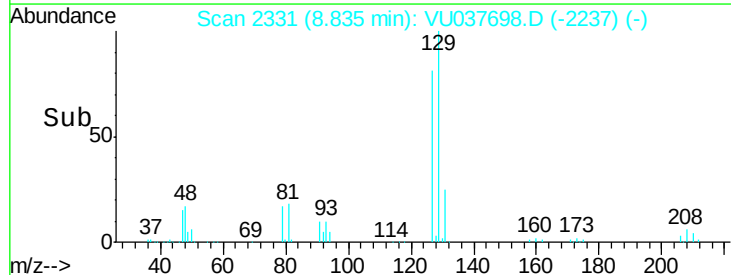
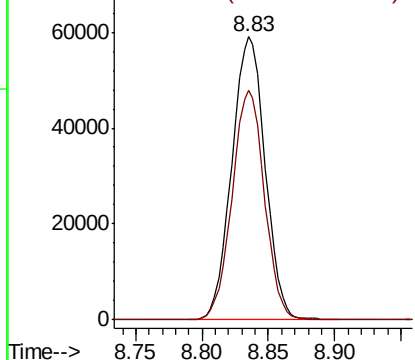


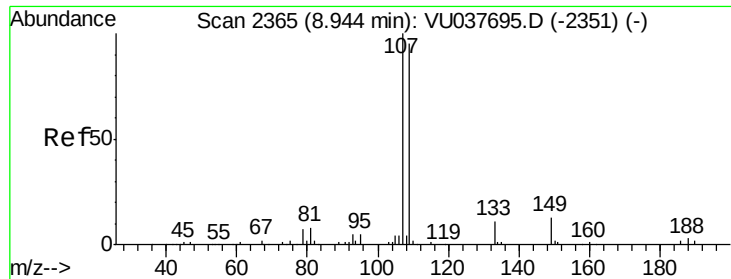
#49
Dibromochloromethane
Concen: 5.144 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU037698.D
Acq: 14 Apr 2020 13:53

Tgt Ion: 129 Resp: 102880
Ion Ratio Lower Upper
129 100
127 81.0 53.3 98.9



Abundance Ion 128.95 (128.65 to 129.65): VU037698.D (-2237) (-)
Ion 126.90 (126.60 to 127.60): VU037698.D (-2237) (-)

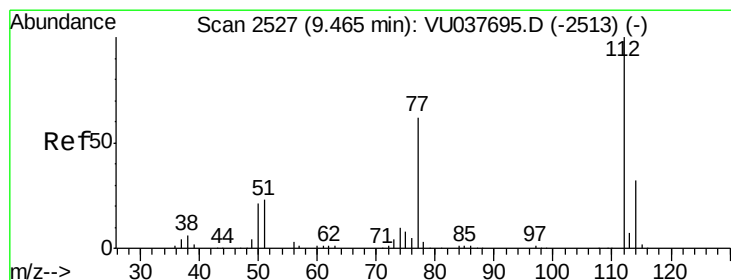
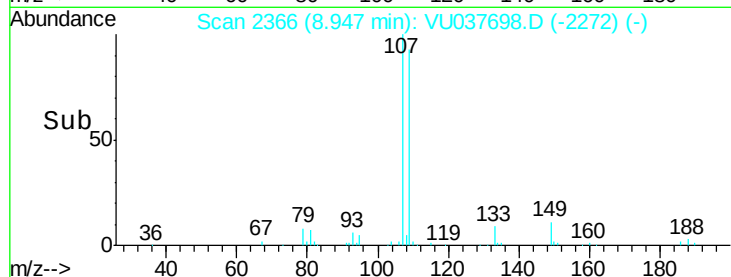
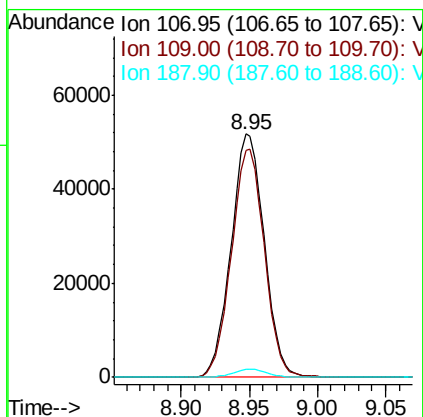
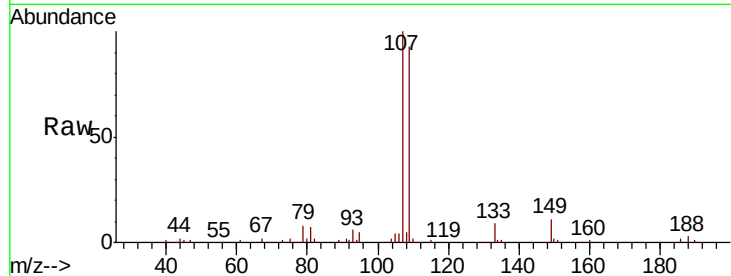




#50
 1,2-Dibromoethane
 Concen: 5.201 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. 0.00 min
 Lab File: VU037698.D
 Acq: 14 Apr 2020 13:53

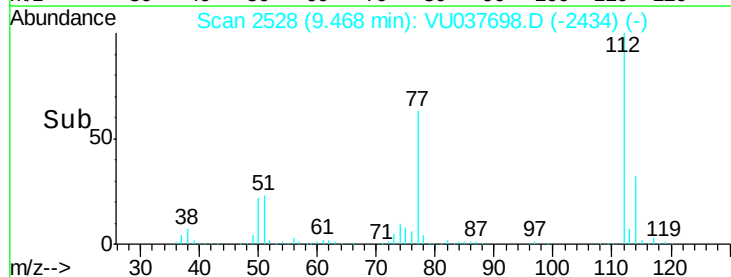
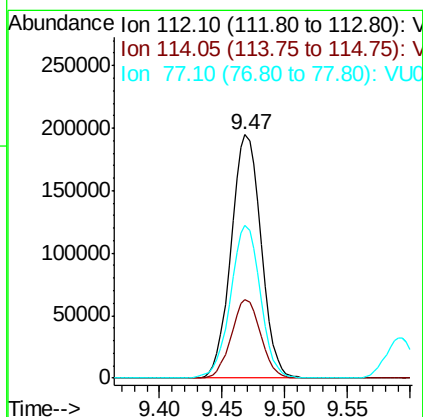
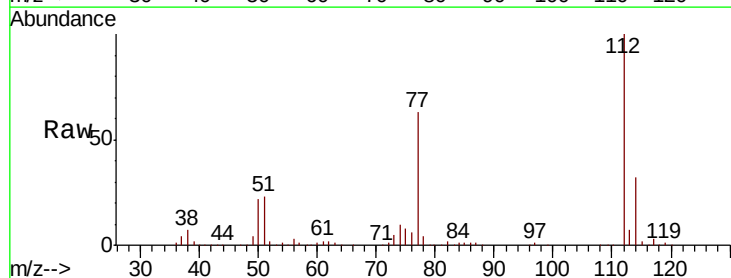
Instrument :
 MSVOA_U
 ClientSampleId :

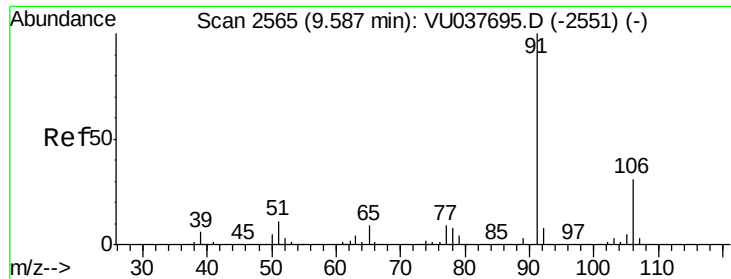
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	66.3	123.1
188	3.4	2.5	3.7



#51
 Chlorobenzene
 Concen: 5.172 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. 0.00 min
 Lab File: VU037698.D
 Acq: 14 Apr 2020 13:53

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.6	42.0
77	62.9	50.2	75.4

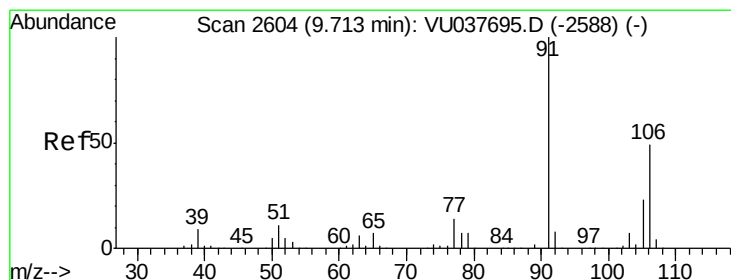
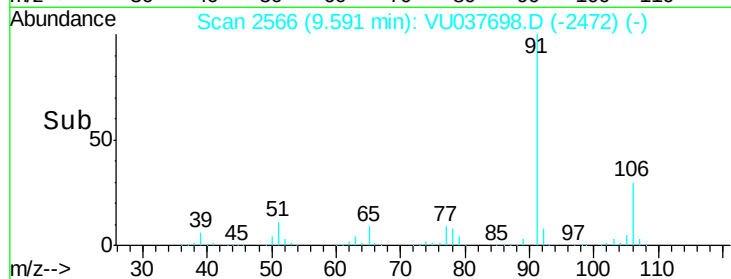
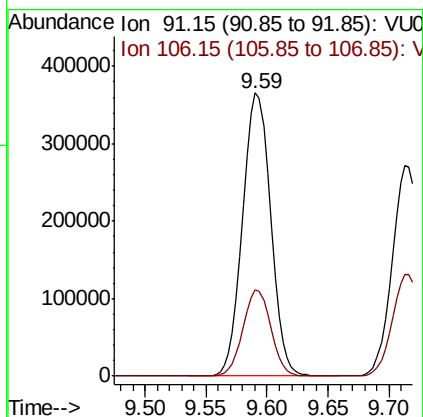
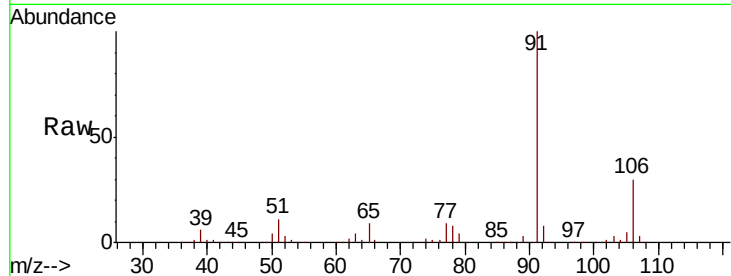




#52
Ethylbenzene
Concen: 5.082 ug/L
RT: 9.59 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VU037698.D
Acq: 14 Apr 2020 13:53

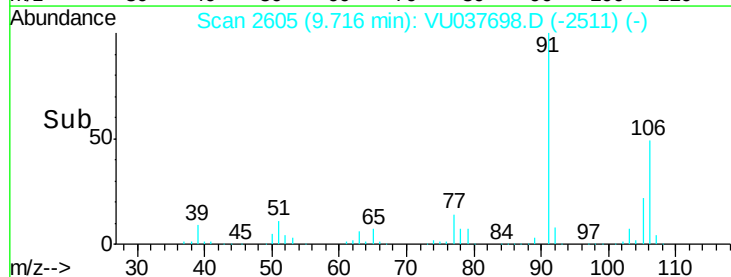
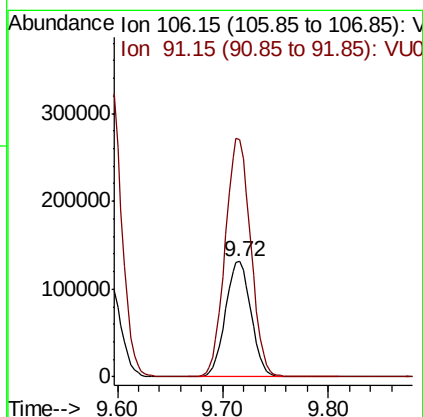
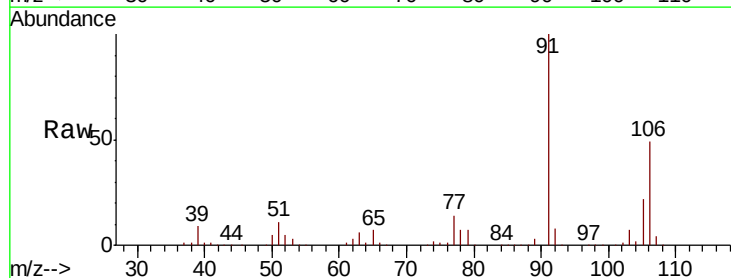
Instrument :
MSVOA_U
ClientSampled :

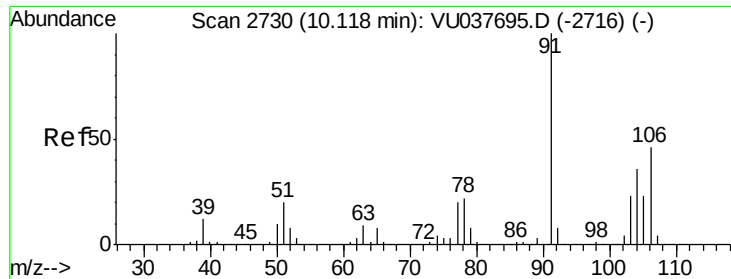
Tot Ion: 91 Resp: 579934
Ion Ratio Lower Upper
91 100
106 30.3 21.7 40.3



#53
m,p-Xylene
Concen: 5.135 ug/L
RT: 9.72 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VU037698.D
Acq: 14 Apr 2020 13:53

Tgt Ion: 106 Resp: 221804
Ion Ratio Lower Upper
106 100
91 205.6 143.9 267.3

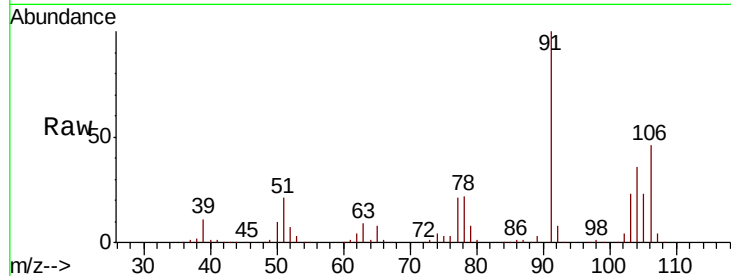




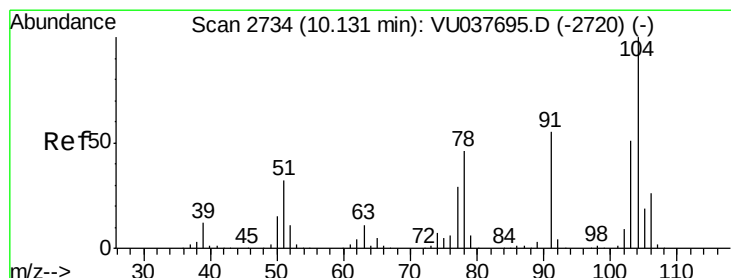
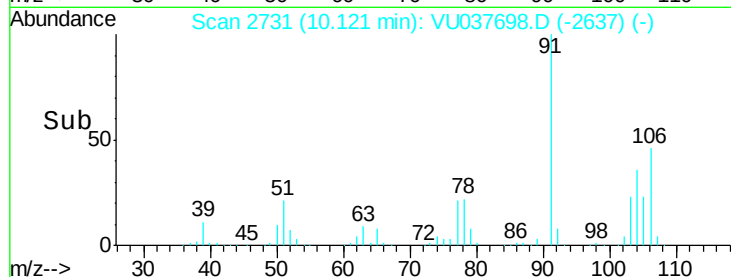
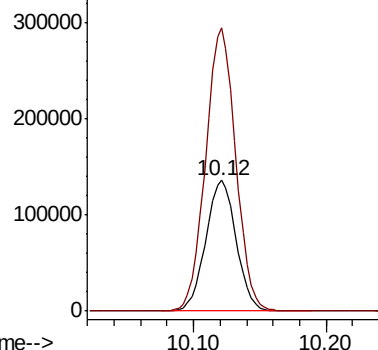
#54
o-Xylene
Concen: 5.094 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. 0.00 min
Lab File: VU037698.D
Acq: 14 Apr 2020 13:53

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 216569
Ion Ratio Lower Upper
106 100
91 216.7 151.1 280.7

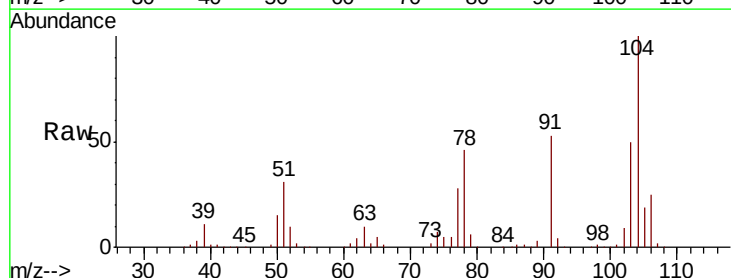


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

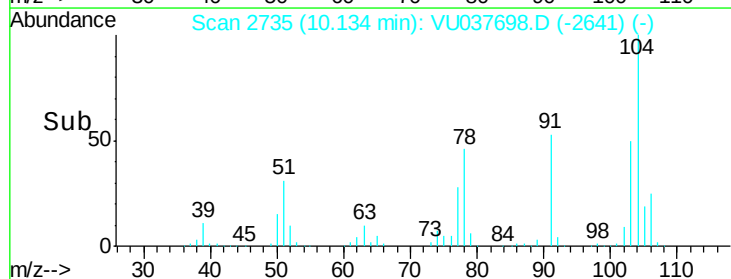
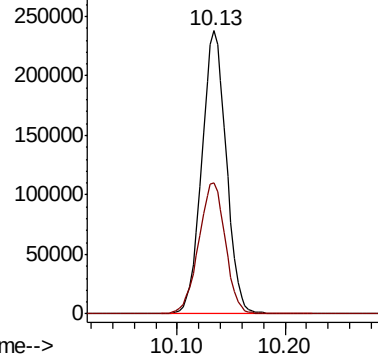


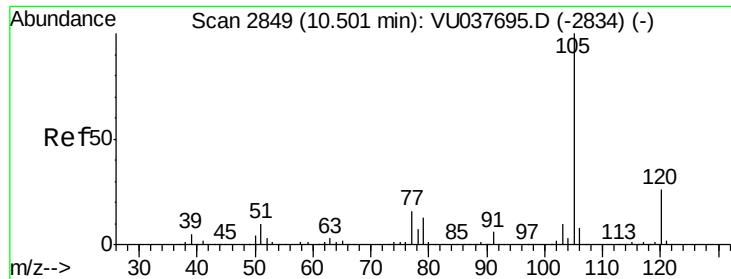
#55
Styrene
Concen: 5.189 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU037698.D
Acq: 14 Apr 2020 13:53

Tgt Ion:104 Resp: 377104
Ion Ratio Lower Upper
104 100
78 46.2 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: 5.105 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU037698.D

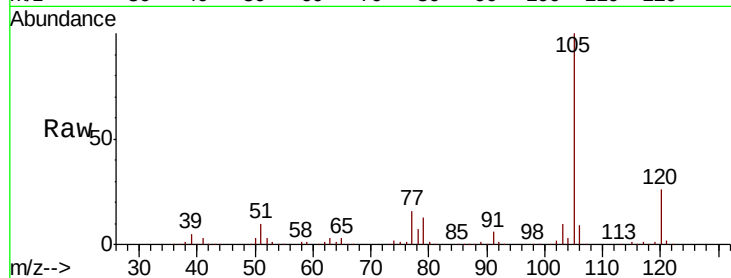
Acq: 14 Apr 2020 13:53

Instrument :

MSVOA_U

ClientSampled :

Tot Ion:	105	Resp:	569292
Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.6	31.0
77	15.9	13.2	19.8

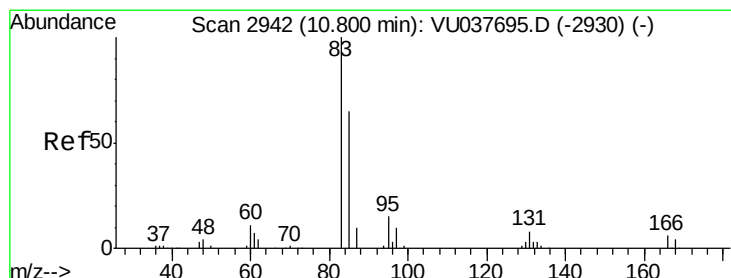
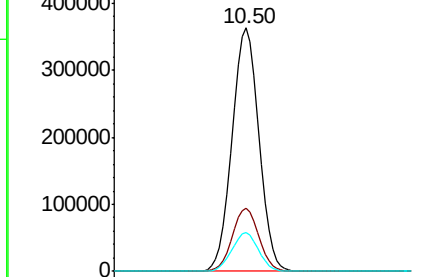
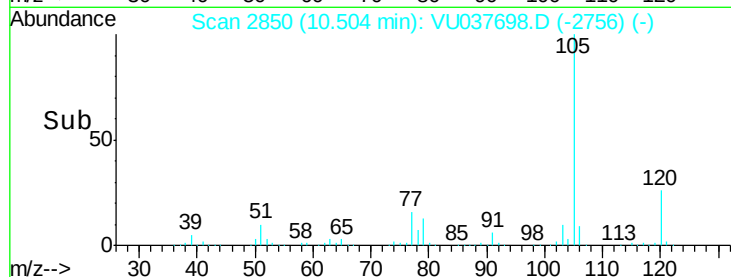


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V

Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 5.148 ug/L

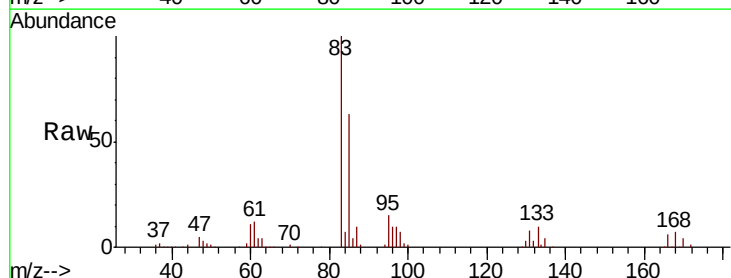
RT: 10.80 min Scan# 2943

Delta R.T. 0.00 min

Lab File: VU037698.D

Acq: 14 Apr 2020 13:53

Tgt Ion:	83	Resp:	117286
Ion	Ratio	Lower	Upper
83	100		
85	62.8	45.3	84.1
131	8.4	7.4	11.2

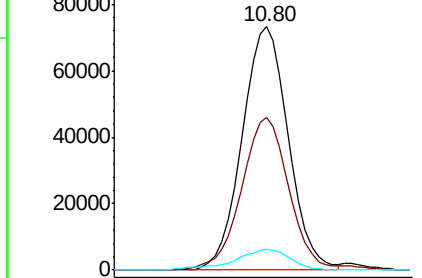
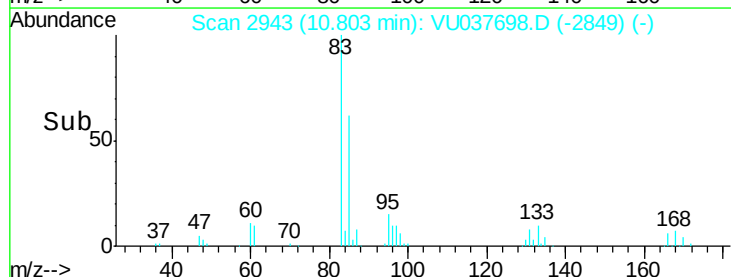


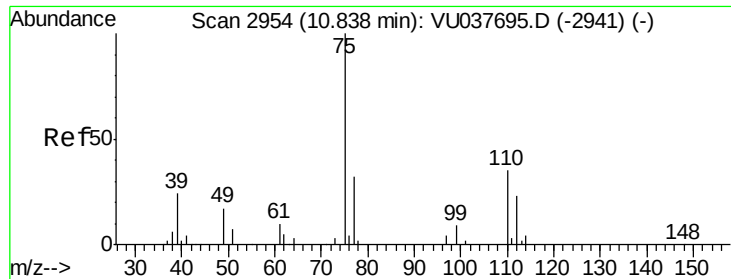
Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

Time-->





#59

1,2,3-Trichloropropane

Concen: 5.186 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU037698.D

Acq: 14 Apr 2020 13:53

Instrument :

MSVOA_U

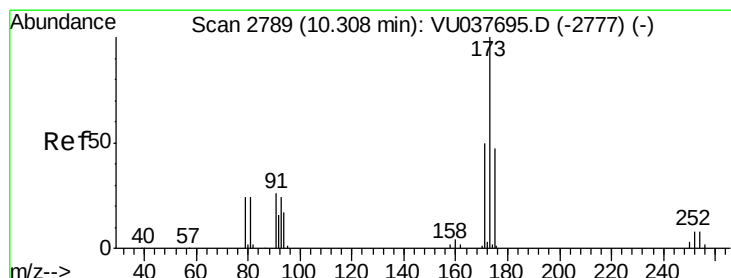
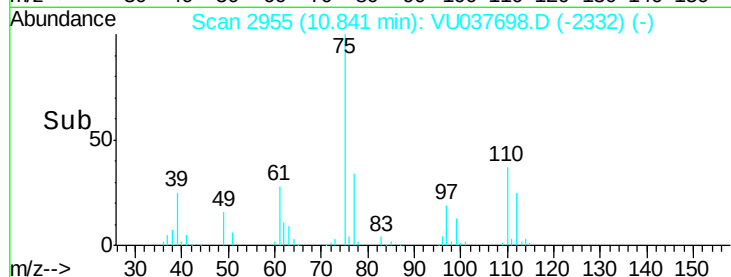
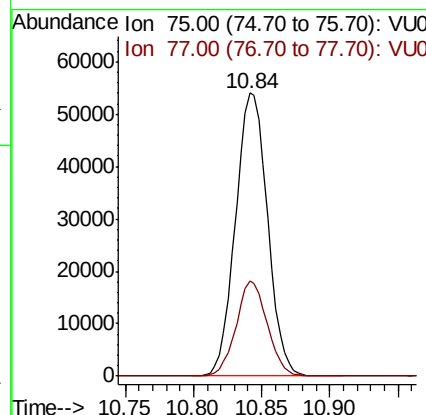
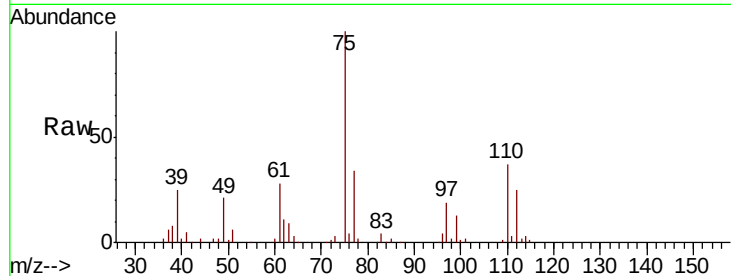
ClientSampled :

Tot Ion: 75 Resp: 88145

Ion Ratio Lower Upper

75 100

77 32.6 25.4 38.2



#61

Bromoform

Concen: 5.140 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037698.D

Acq: 14 Apr 2020 13:53

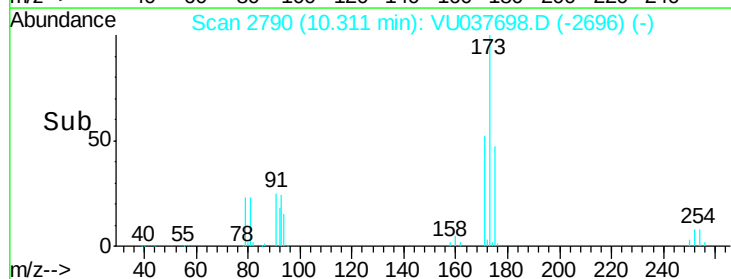
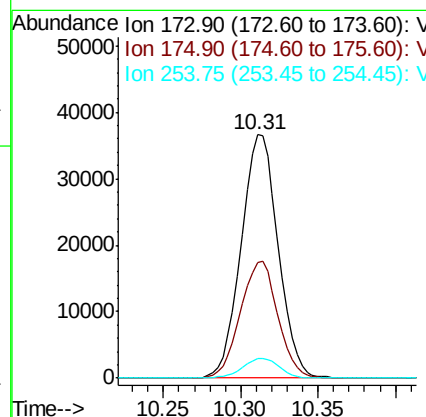
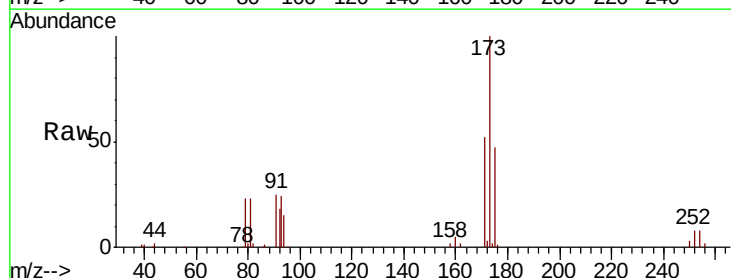
Tgt Ion: 173 Resp: 60895

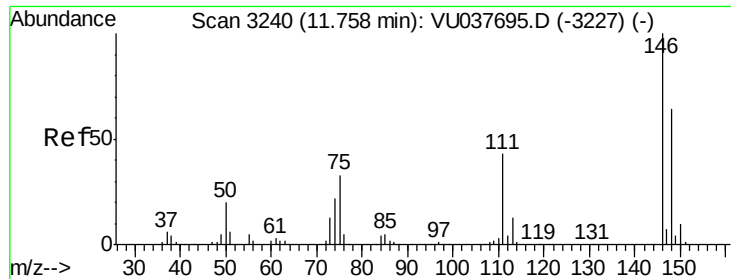
Ion Ratio Lower Upper

173 100

175 48.4 37.6 56.4

254 8.0 5.8 8.8

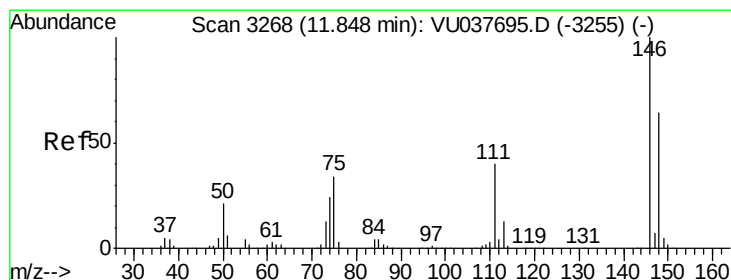
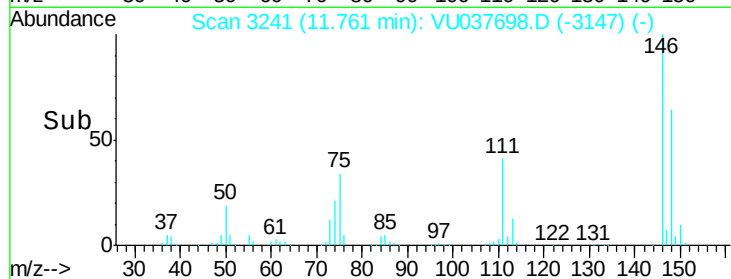
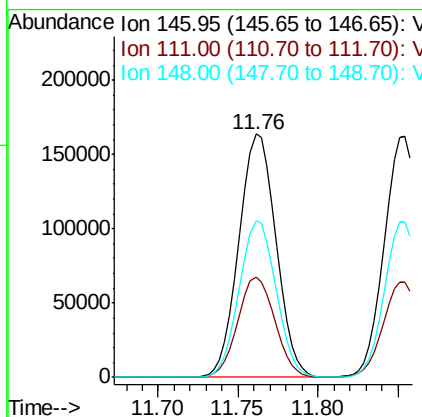
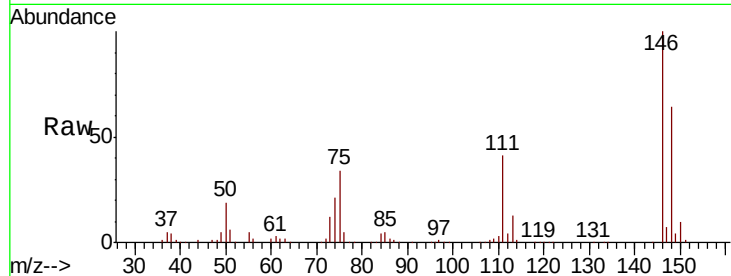




#62
 1,3-Dichlorobenzene
 Concen: 5.189 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU037698.D
 Acq: 14 Apr 2020 13:53

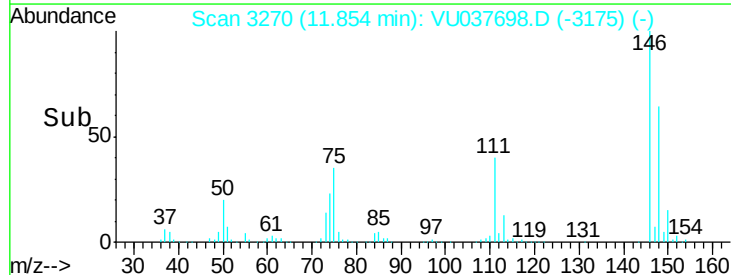
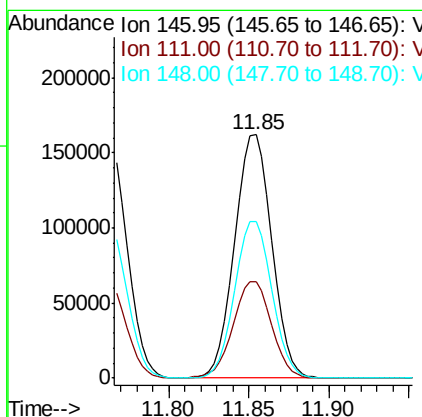
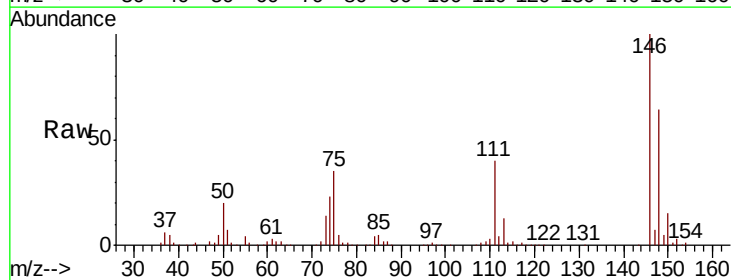
Instrument :
 MSVOA_U
 ClientSampled :

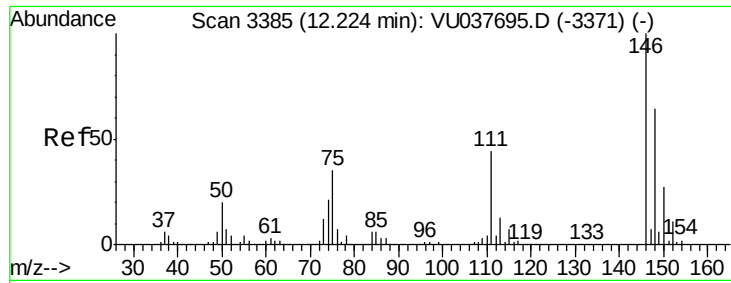
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	29.8	55.3
148	64.2	44.5	82.7



#63
 1,4-Dichlorobenzene
 Concen: 5.120 ug/L
 RT: 11.85 min Scan# 3270
 Delta R.T. 0.01 min
 Lab File: VU037698.D
 Acq: 14 Apr 2020 13:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	28.4	52.8
148	64.3	44.9	83.3





#65

1,2-Dichlorobenzene

Concen: 5.135 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU037698.D

Acq: 14 Apr 2020 13:53

Instrument :

MSVOA_U

ClientSampled :

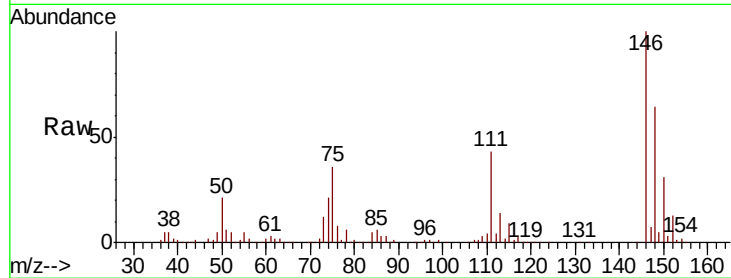
Tot Ion:146 Resp: 241380

Ion Ratio Lower Upper

146 100

111 43.5 35.0 52.6

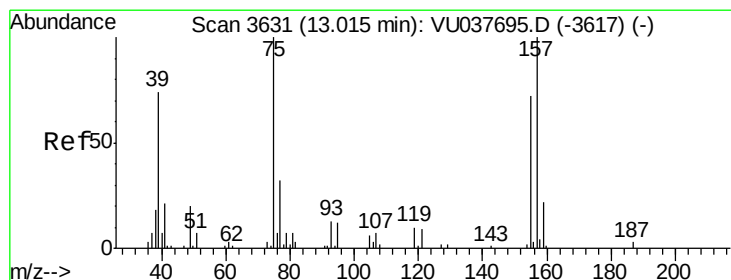
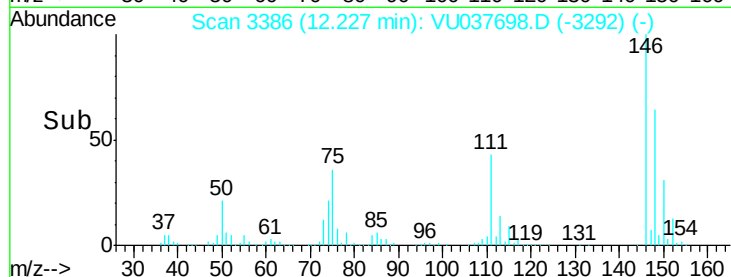
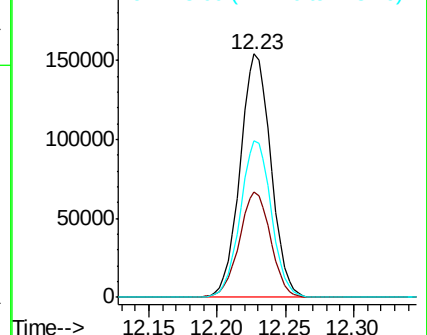
148 64.1 51.5 77.3



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: 5.050 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. 0.01 min

Lab File: VU037698.D

Acq: 14 Apr 2020 13:53

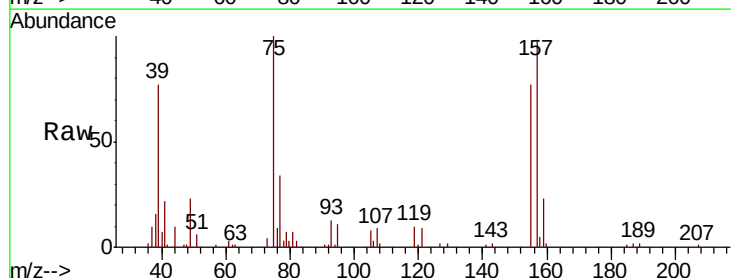
Tgt Ion: 75 Resp: 22008

Ion Ratio Lower Upper

75 100

155 76.8 57.9 86.9

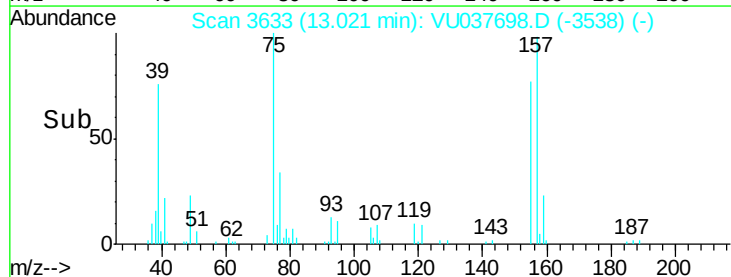
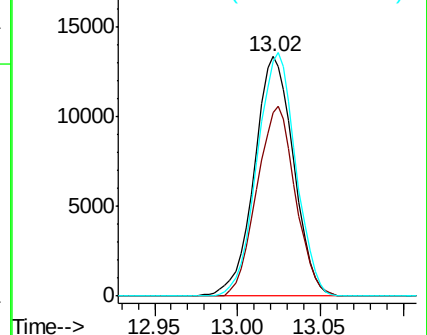
157 98.1 79.8 119.8

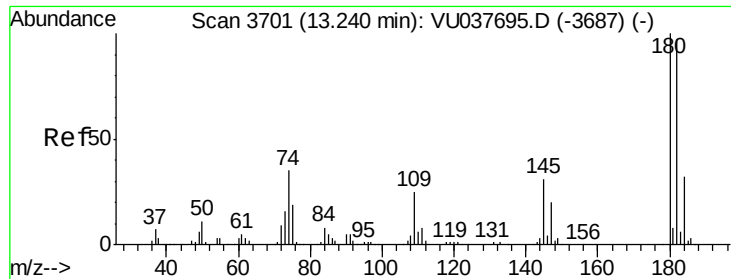


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

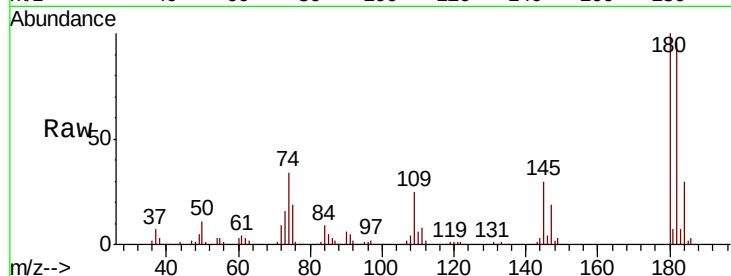




#67
 1,3,5-Trichlorobenzene
 Concen: 5.356 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.01 min
 Lab File: VU037698.D
 Acq: 14 Apr 2020 13:53

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.1	115.7
184	29.9	24.7	37.1
145	29.9	24.6	37.0



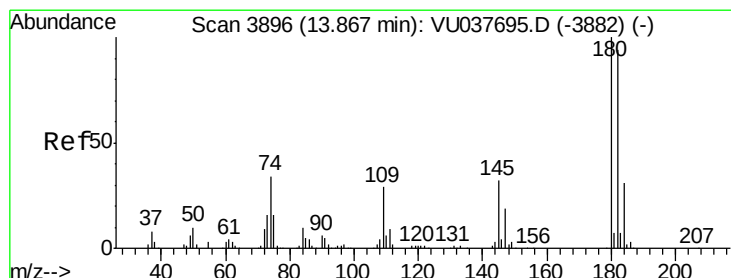
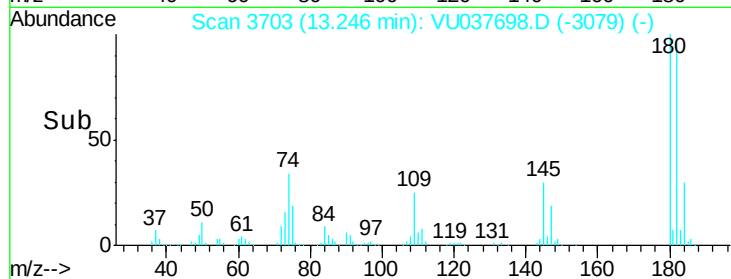
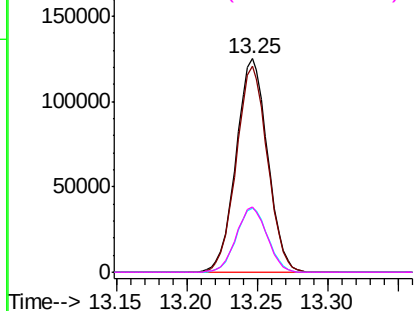
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

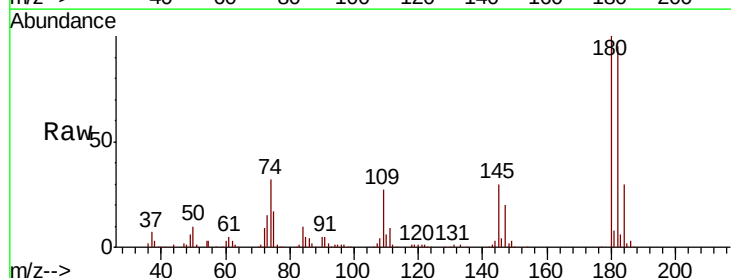
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.558 ug/L
 RT: 13.88 min Scan# 3899
 Delta R.T. 0.01 min
 Lab File: VU037698.D
 Acq: 14 Apr 2020 13:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.4	114.6
145	30.1	25.1	37.7

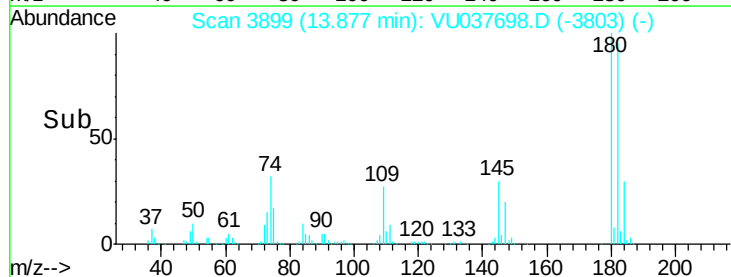
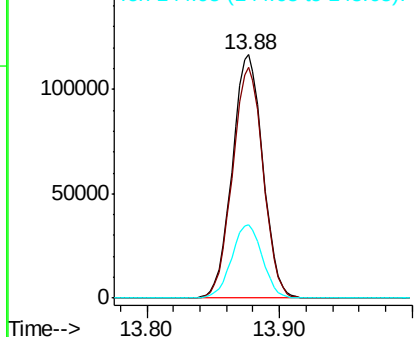


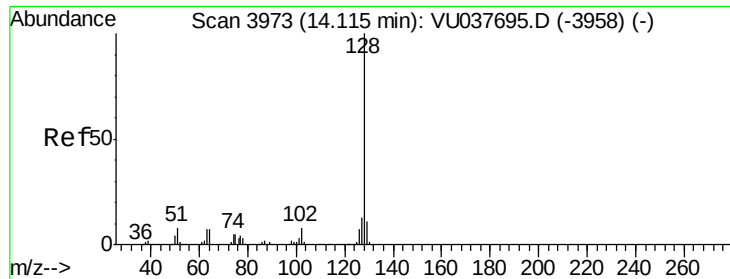
Abundance

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: 5.626 ug/L

RT: 14.12 min Scan# 3976

Delta R.T. 0.01 min

Lab File: VU037698.D

Acq: 14 Apr 2020 13:53

Instrument :

MSVOA_U

ClientSampleId :

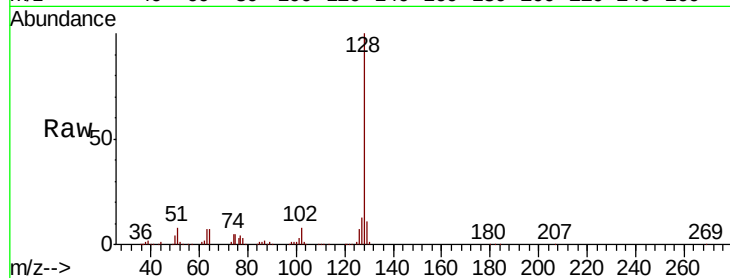
Tot Ion:128 Resp: 383004

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

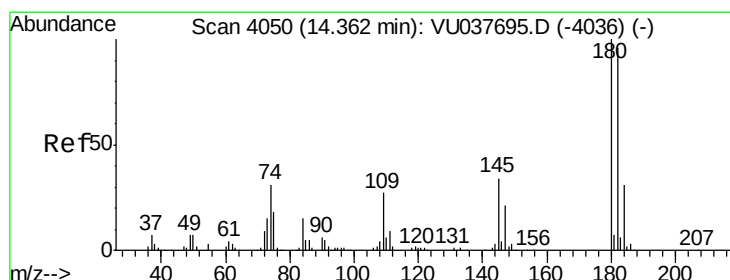
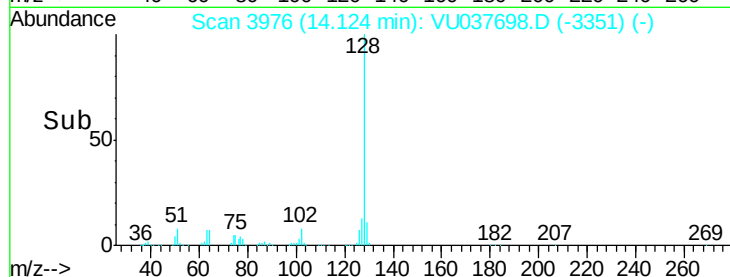
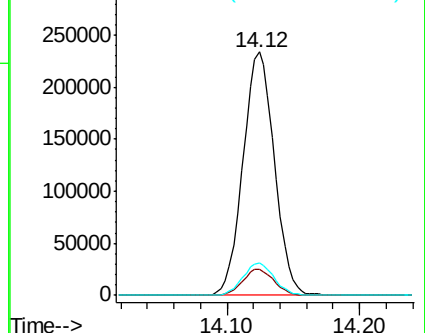
127 13.2 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.659 ug/L

RT: 14.37 min Scan# 4053

Delta R.T. 0.01 min

Lab File: VU037698.D

Acq: 14 Apr 2020 13:53

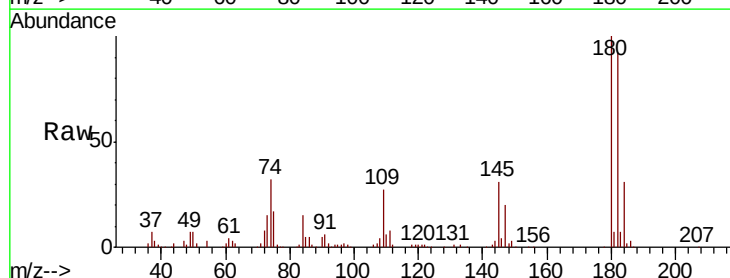
Tgt Ion:180 Resp: 169491

Ion Ratio Lower Upper

180 100

182 92.6 76.6 115.0

145 31.6 26.7 40.1



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

