

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101920\
 Data File : VU040800.D
 Acq On : 19 Oct 2020 13:23
 Operator : SY/MD
 Sample : L4419-15DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AJ5DL

Quant Time: Oct 20 01:37:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 20 01:28:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	115197	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	123460	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	49640	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	32518	3.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.20%
7) Chloroethane-d5	1.92	69	33722	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	2.58	63	57724	3.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.80%
20) 2-Butanone-d5	4.66	46	176525	57.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.58%
24) Chloroform-d	5.08	84	85508	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
26) 1,2-Dichloroethane-d4	5.72	65	53870	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.60%
32) Benzene-d6	5.75	84	146308	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.00%
36) 1,2-Dichloropropane-d6	6.70	67	54634	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.91	98	112175	3.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.20%
43) trans-1,3-Dichloropropene-	8.19	79	19584	4.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.60%
46) 2-Hexanone-d5	8.64	63	119500	49.52	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.04%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	50084	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	48764	5.30	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.00%

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	606	0.062 ug/L #	43
5) Vinyl chloride	1.61	62	620	0.060 ug/L #	1
8) Chloroethane	1.97	64	418	0.064 ug/L #	41
12) 1,1-Dichloroethene	2.59	96	5714	0.695 ug/L #	1
16) Methylene chloride	3.06	84	2365	0.224 ug/L	96
19) 1,1-Dichloroethane	3.89	63	759	0.043 ug/L #	50
22) cis-1,2-Dichloroethene	4.68	96	30040	3.238 ug/L	99
25) Chloroform	5.11	83	4102	0.226 ug/L	99
27) 1,2-Dichloroethane	5.74	62	812	0.063 ug/L #	77
33) Benzene	5.74	78	1095	0.028 ug/L	100
34) Trichloroethene	6.55	95	39394	3.832 ug/L	96
35) Methylcyclohexane	6.70	83	12641	0.867 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	5705	0.516 ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1460	0.097 ug/L	86
44) trans-1,3-Dichloropropene	8.19	75	996	0.072 ug/L	87
47) Tetrachloroethene	8.56	164	11777	1.606 ug/L	97
48) 2-Hexanone	8.64	43	17194	2.621 ug/L #	72

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QLast Update : Tue Oct 20 01:28:45 2020
Response via : Initial Calibration

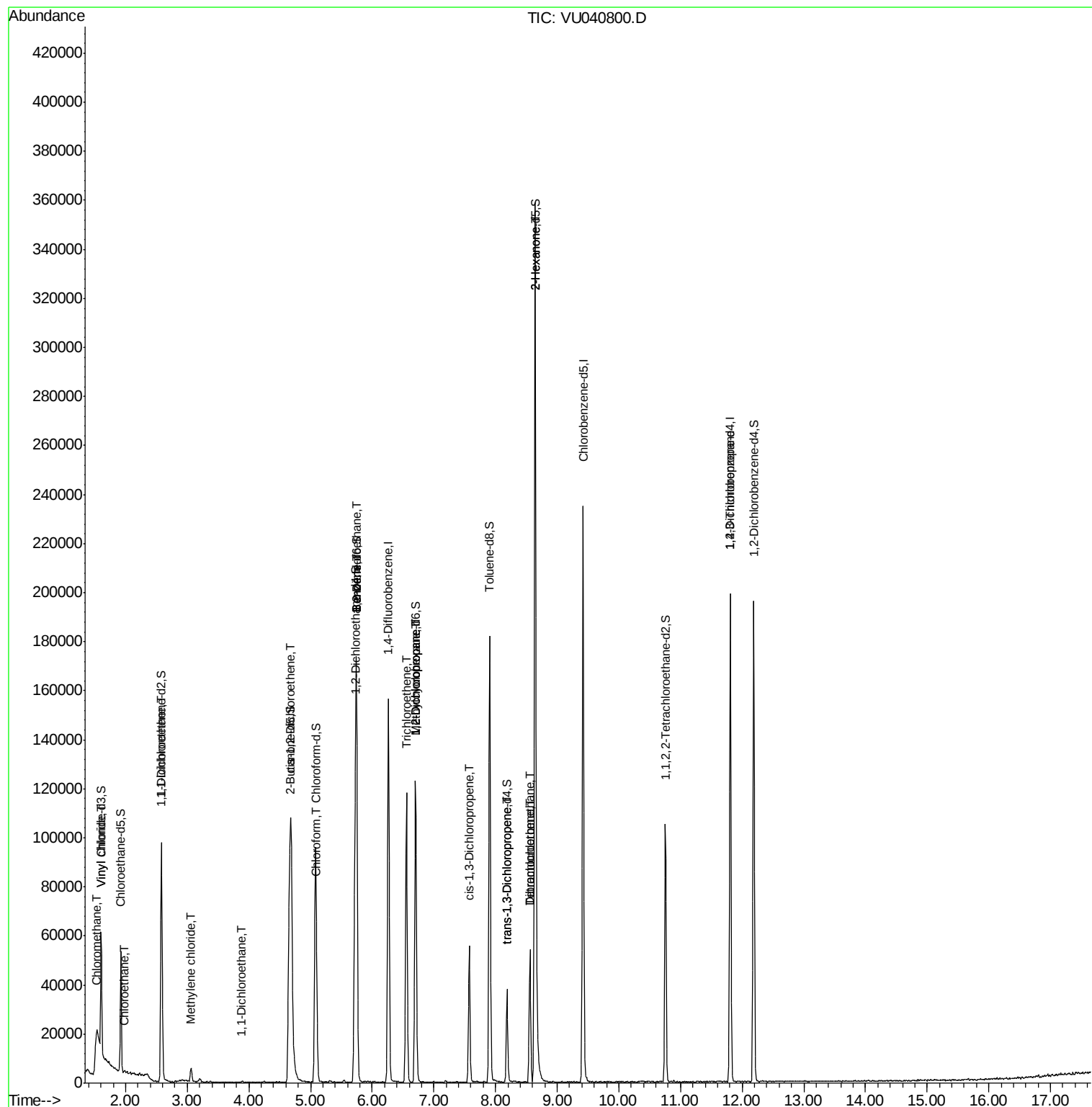
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.56	129	11159	1.172	ug/L #	9
59) 1,2,3-Trichloropropane	11.81	75	6486	0.799	ug/L #	86

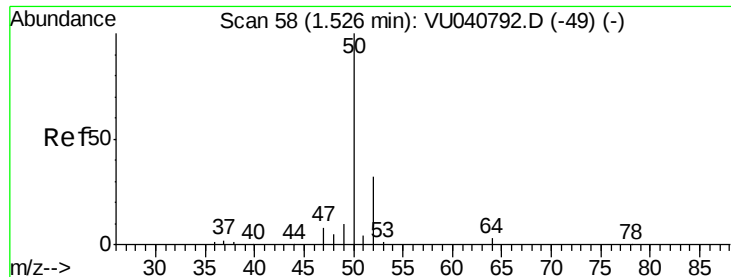
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.062 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU040800.D

Acq: 19 Oct 2020 13:23

Instrument :

MSVOA_U

ClientSampleId :

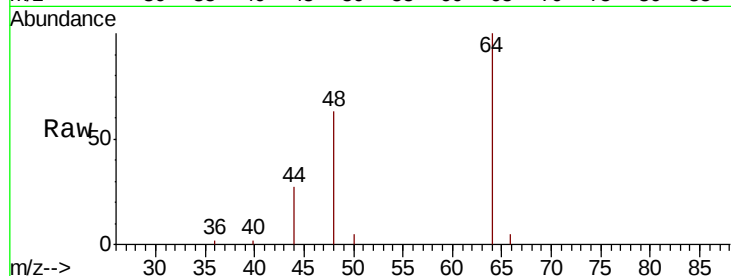
C0AJ5DL

Tot Ion: 50 Resp: 606

Ion Ratio Lower Upper

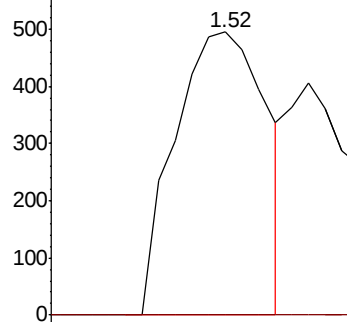
50 100

52 0.0 21.9 40.7#

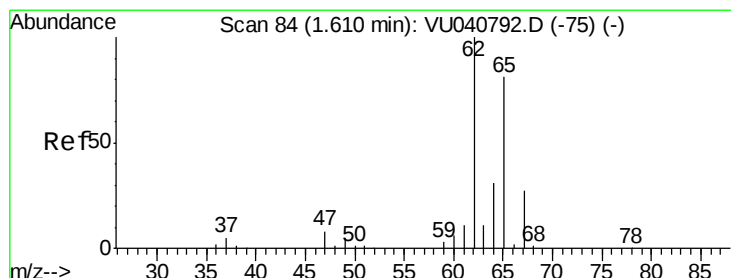
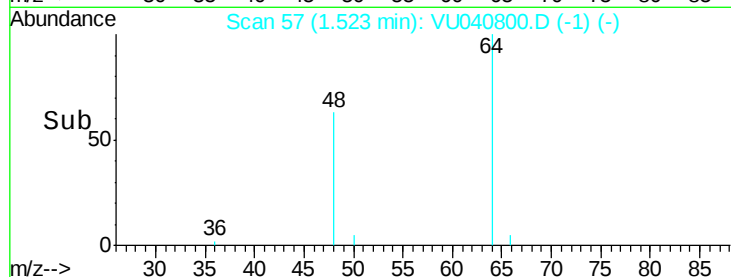


Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



Time-->



#5

Vinyl chloride

Concen: 0.060 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU040800.D

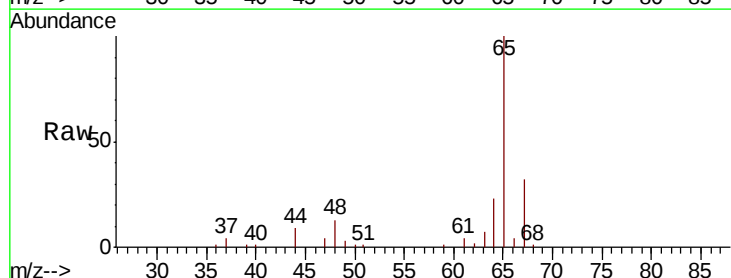
Acq: 19 Oct 2020 13:23

Tgt Ion: 62 Resp: 620

Ion Ratio Lower Upper

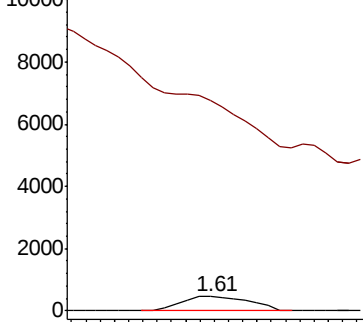
62 100

64 1467.0 23.7 44.1#

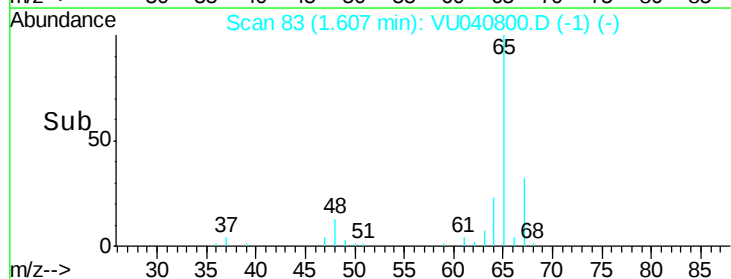


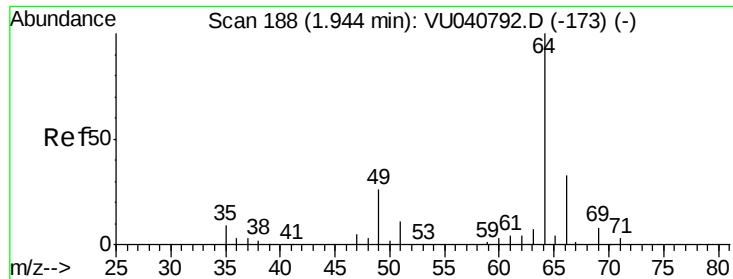
Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



Time-->

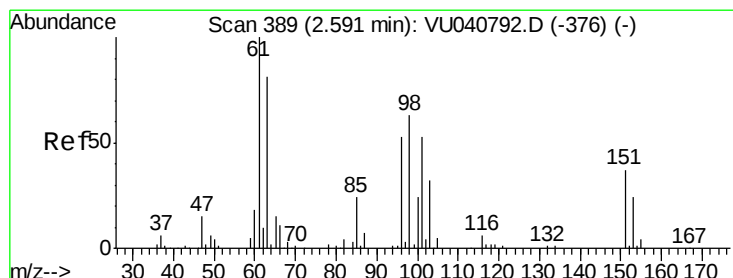
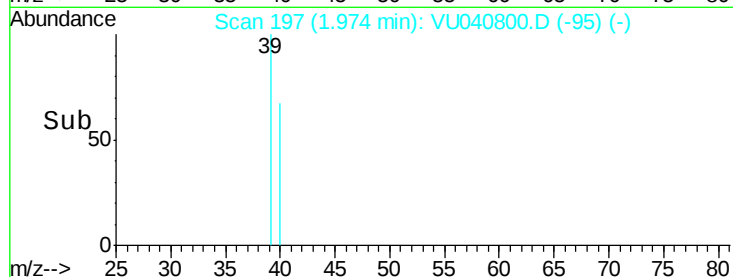
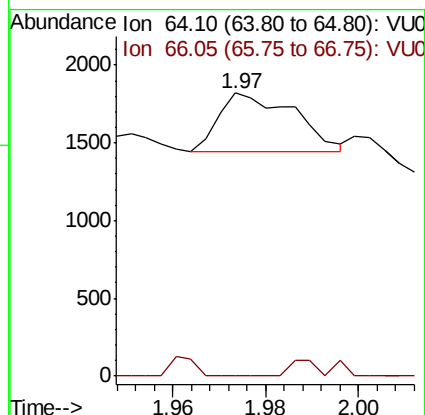
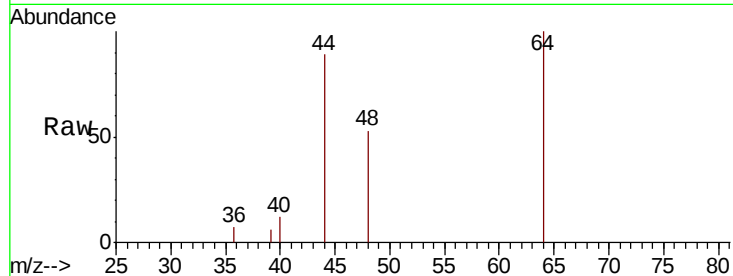




#8
Chloroethane
Concen: 0.064 ug/L
RT: 1.97 min Scan# 197
Delta R.T. 0.03 min
Lab File: VU040800.D
Acq: 19 Oct 2020 13:23

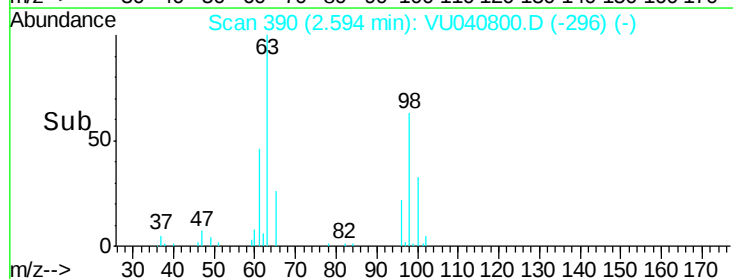
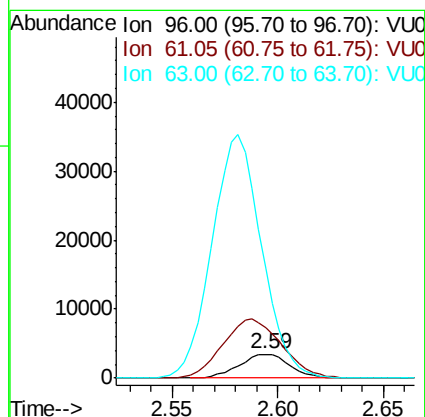
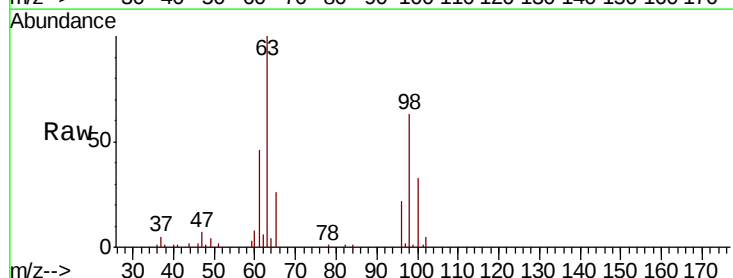
Instrument :
MSVOA_U
ClientSampleId :
C0AJ5DL

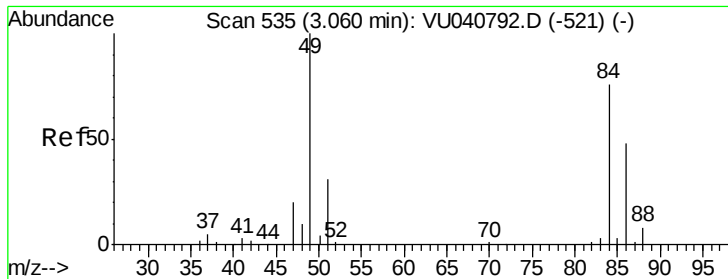
Tot Ion: 64 Resp: 418
Ion Ratio Lower Upper
64 100
66 0.0 23.3 43.3#



#12
1,1-Dichloroethene
Concen: 0.695 ug/L
RT: 2.59 min Scan# 390
Delta R.T. 0.00 min
Lab File: VU040800.D
Acq: 19 Oct 2020 13:23

Tgt Ion: 96 Resp: 5714
Ion Ratio Lower Upper
96 100
61 211.3 128.8 239.2
63 460.5 84.6 157.2#

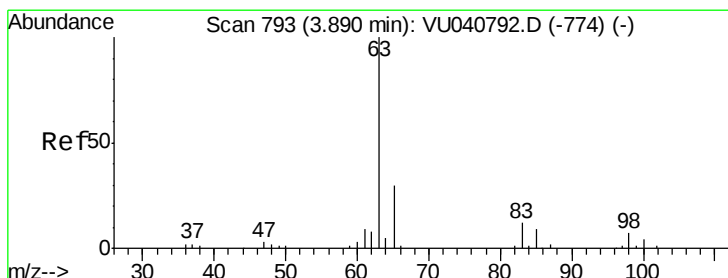
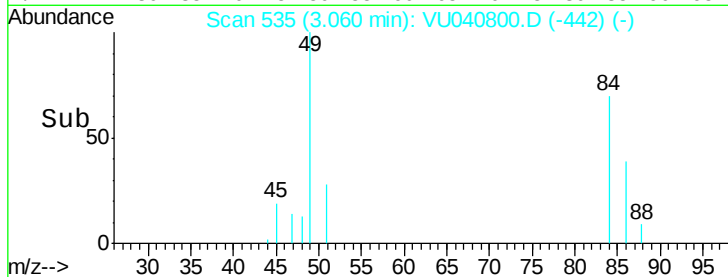
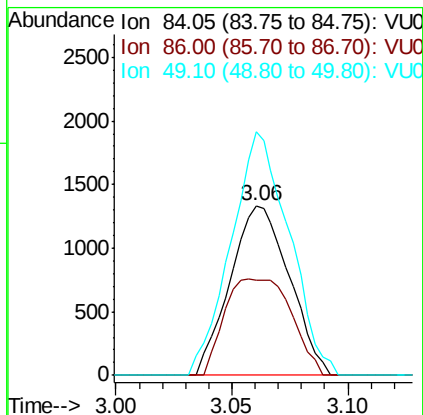
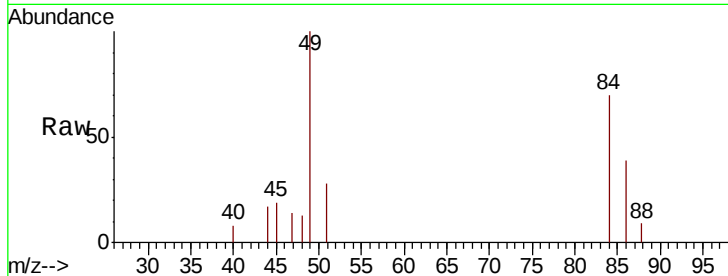




#16
Methvlene chloride
Concen: 0.224 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040800.D
Acq: 19 Oct 2020 13:23

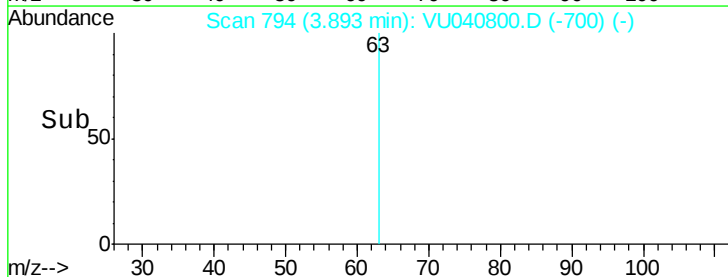
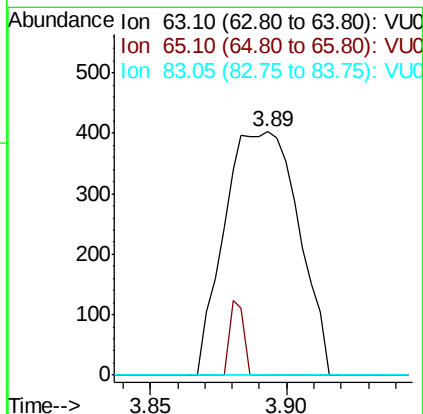
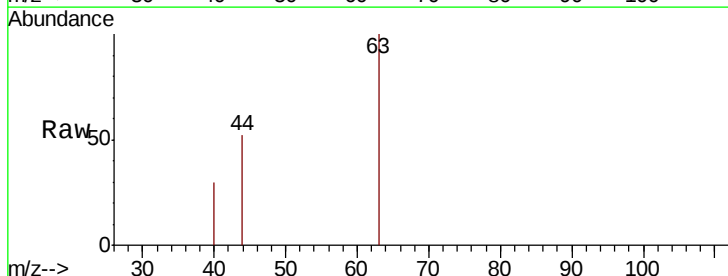
Instrument :
MSVOA_U
ClientSampleId :
C0AJ5DL

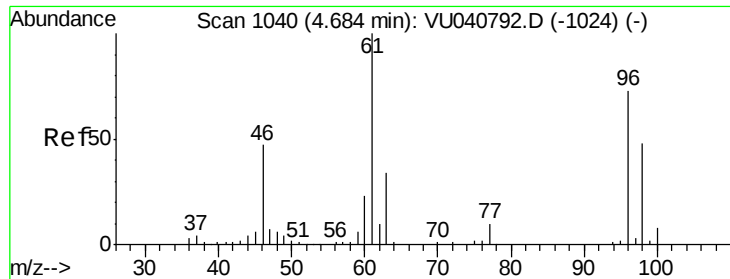
Tot Ion: 84 Resp: 2365
Ion Ratio Lower Upper
84 100
86 56.5 45.4 84.4
49 143.6 99.8 185.3



#19
1,1-Dichloroethane
Concen: 0.043 ug/L
RT: 3.89 min Scan# 794
Delta R.T. 0.00 min
Lab File: VU040800.D
Acq: 19 Oct 2020 13:23

Tgt Ion: 63 Resp: 759
Ion Ratio Lower Upper
63 100
65 0.0 21.9 40.7#
83 0.0 9.6 17.8#

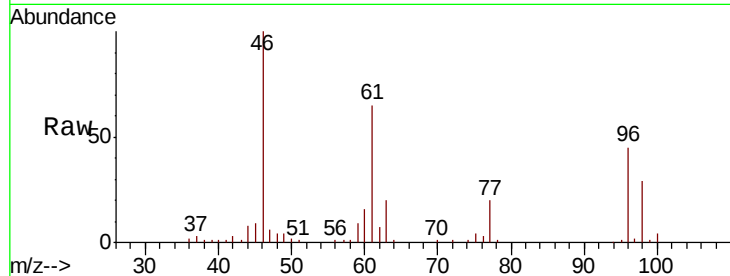




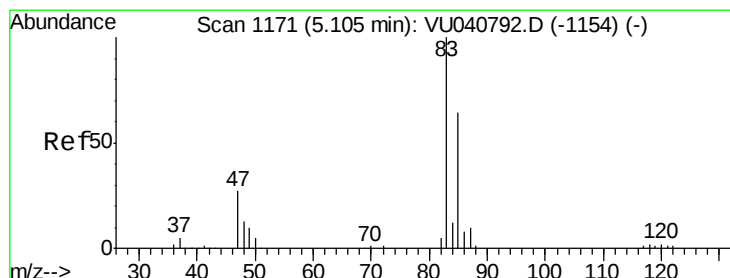
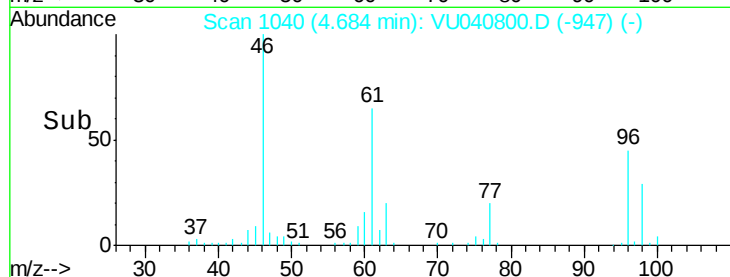
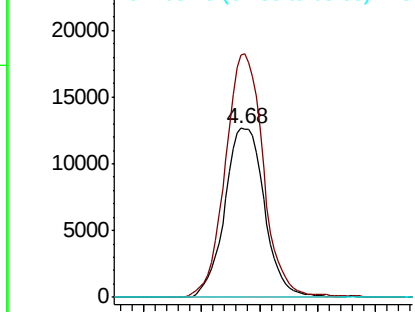
#22
 cis-1,2-Dichloroethene
 Concen: 3.238 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VU040800.D
 Acq: 19 Oct 2020 13:23

Instrument :
 MSVOA_U
 ClientSampleID :
 C0AJ5DL

Tot Ion: 96 Resp: 30040
 Ion Ratio Lower Upper
 96 100
 61 143.6 99.8 185.4
 68 0.0 0.0 0.0

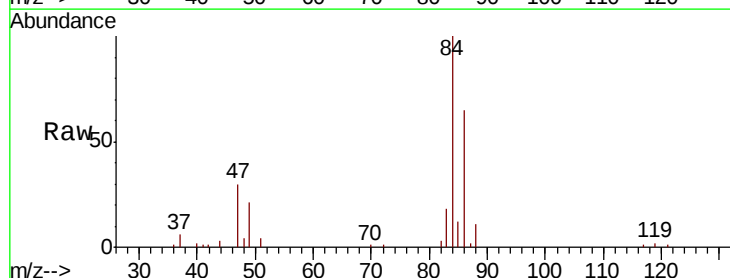


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

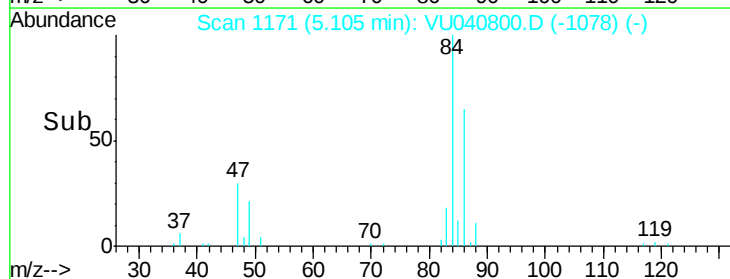
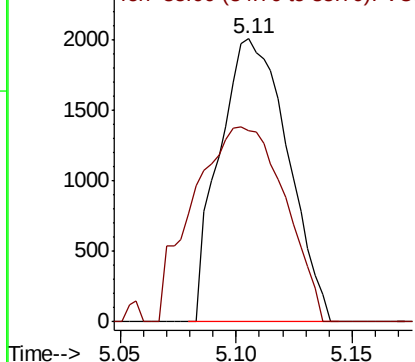


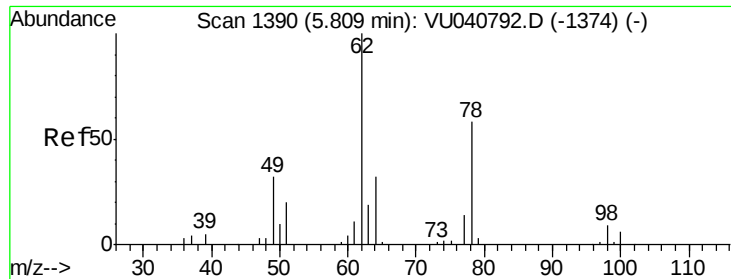
#25
 Chloroform
 Concen: 0.226 ug/L
 RT: 5.11 min Scan# 1171
 Delta R.T. 0.00 min
 Lab File: VU040800.D
 Acq: 19 Oct 2020 13:23

Tgt Ion: 83 Resp: 4102
 Ion Ratio Lower Upper
 83 100
 85 67.6 46.5 86.5



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0

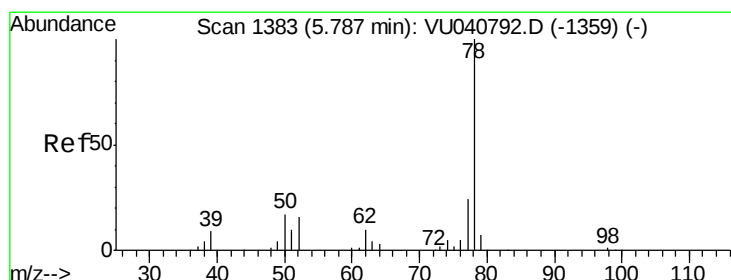
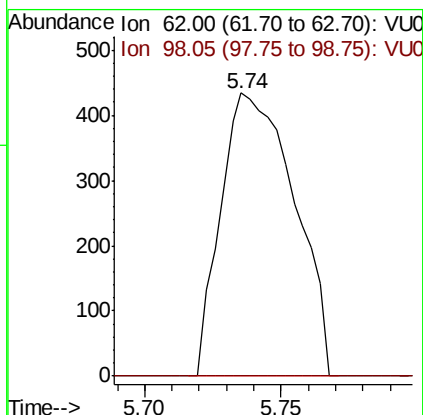
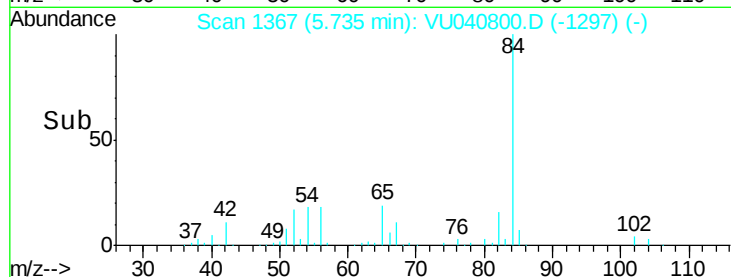
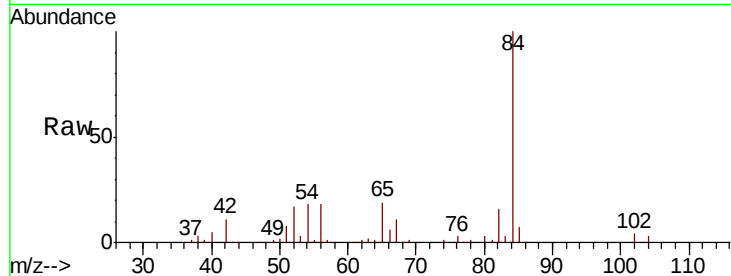




#27
 1,2-Dichloroethane
 Concen: 0.063 ug/L
 RT: 5.74 min Scan# 1367
 Delta R.T. -0.07 min
 Lab File: VU040800.D
 Acq: 19 Oct 2020 13:23

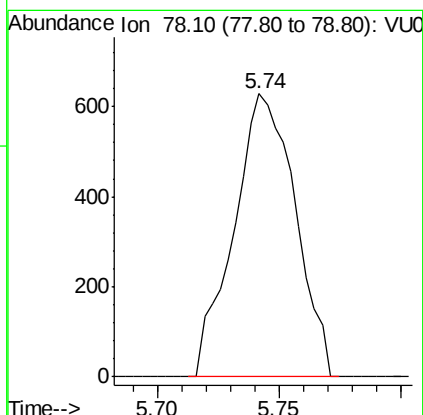
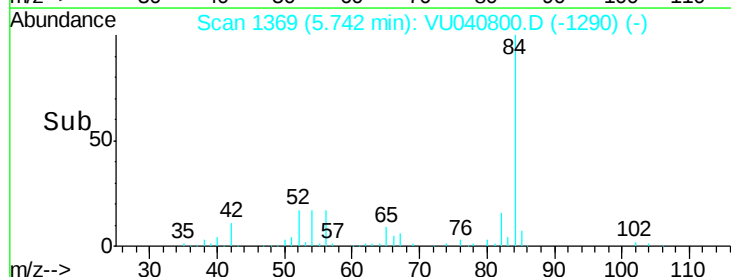
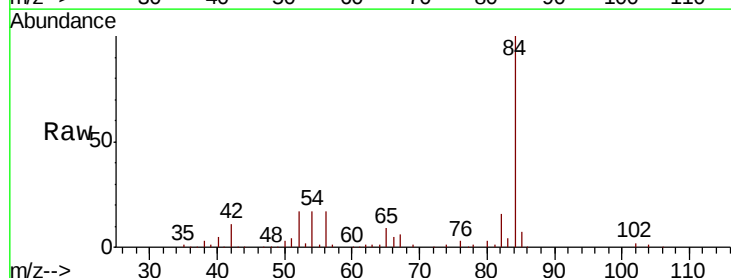
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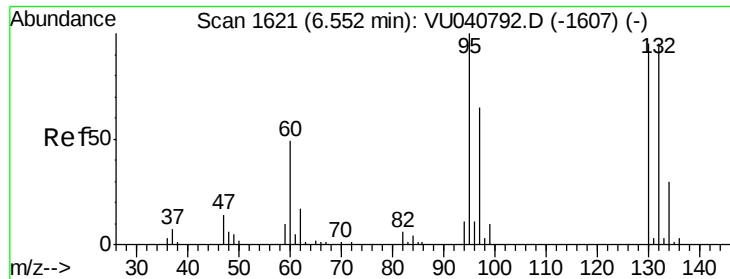
Tot Ion: 62 Resp: 812
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#33
 Benzene
 Concen: 0.028 ug/L
 RT: 5.74 min Scan# 1369
 Delta R.T. -0.04 min
 Lab File: VU040800.D
 Acq: 19 Oct 2020 13:23

Tgt Ion: 78 Resp: 1095

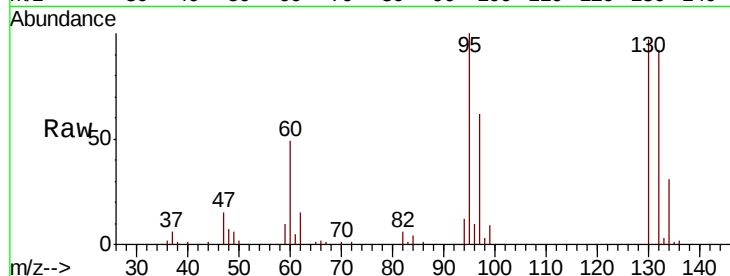




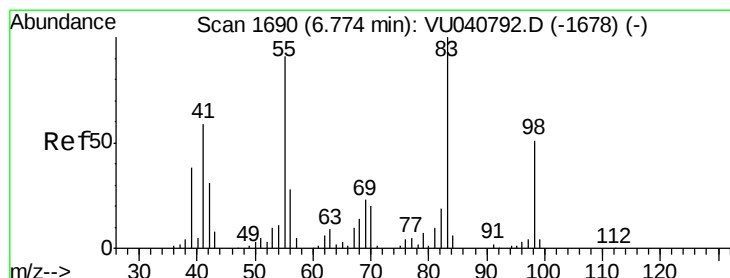
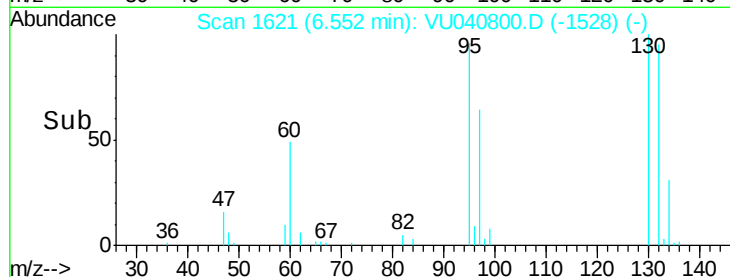
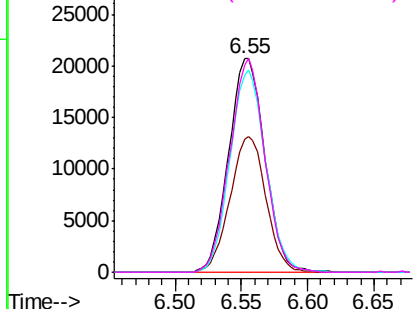
#34
 Trichloroethene
 Concen: 3.832 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU040800.D
 Acq: 19 Oct 2020 13:23

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AJ5DL

Tot Ion: 95 Resp: 39394
 Ion Ratio Lower Upper
 95 100
 97 62.1 45.5 84.5
 132 92.5 67.5 125.4
 130 97.1 69.9 129.9

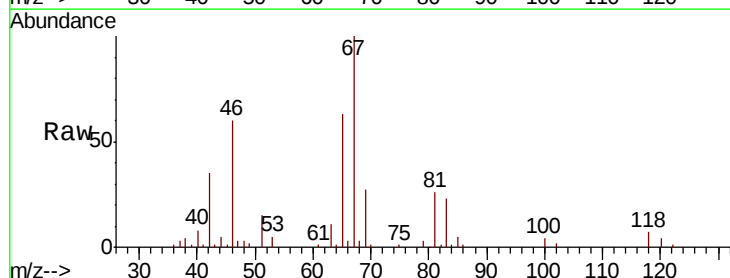


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

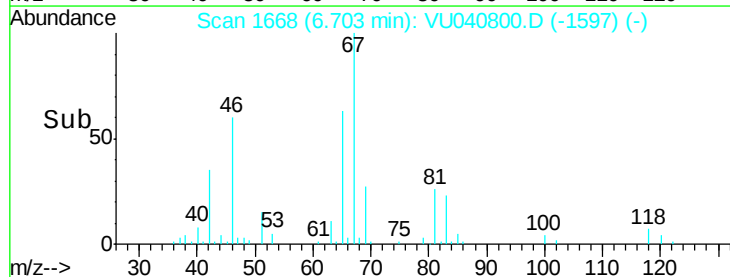
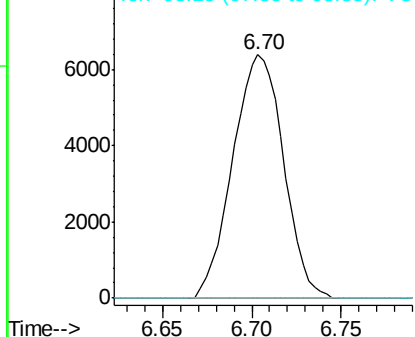


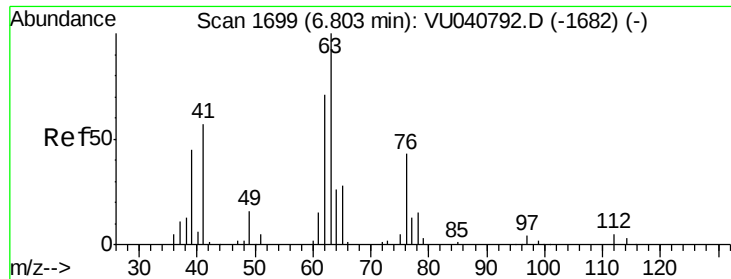
#35
 Methylcyclohexane
 Concen: 0.867 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU040800.D
 Acq: 19 Oct 2020 13:23

Tgt Ion: 83 Resp: 12641
 Ion Ratio Lower Upper
 83 100
 55 0.0 70.7 106.1#
 98 0.0 38.4 57.6#



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

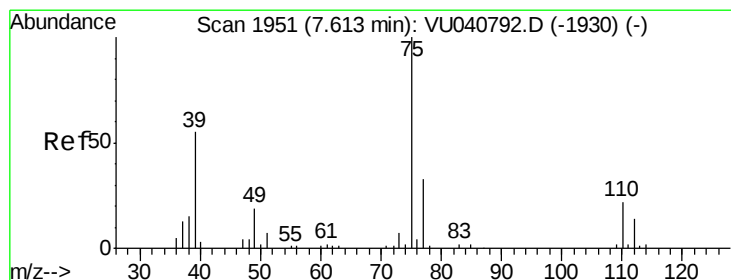
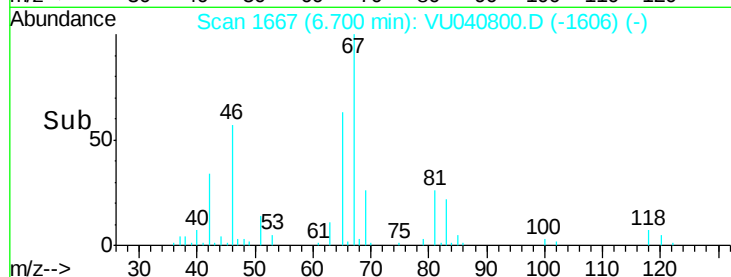
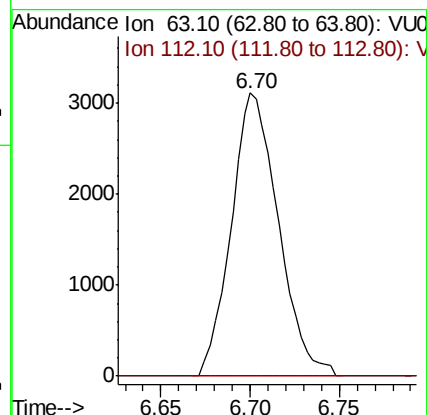
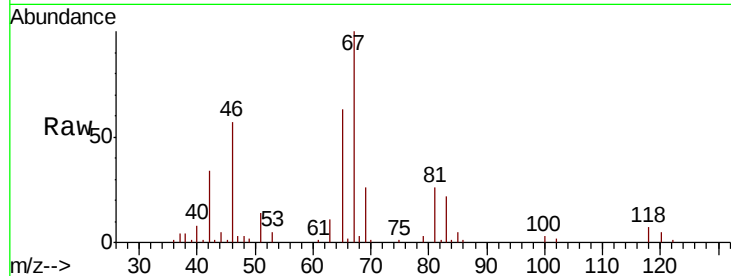




#37
 1,2-Dichloropropane
 Concen: 0.516 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU040800.D
 Acq: 19 Oct 2020 13:23

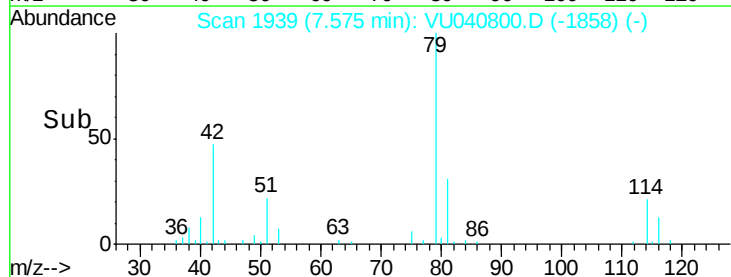
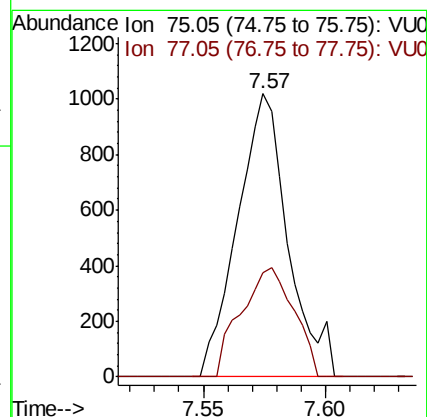
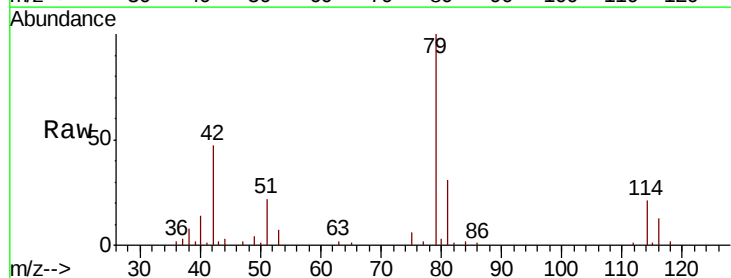
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AJ5DL

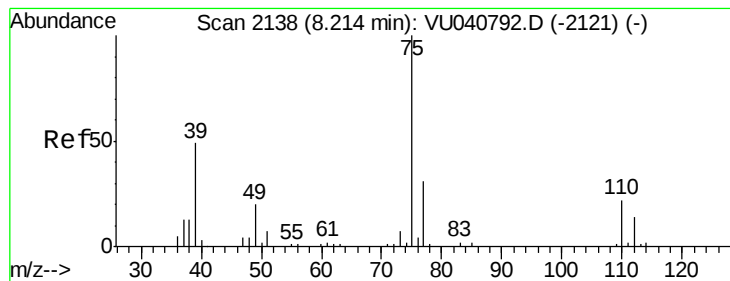
Tot Ion: 63 Resp: 5705
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.097 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040800.D
 Acq: 19 Oct 2020 13:23

Tgt Ion: 75 Resp: 1460
 Ion Ratio Lower Upper
 75 100
 77 36.9 20.5 38.1





#44

trans-1,3-Dichloropropene

Concen: 0.072 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU040800.D

Acq: 19 Oct 2020 13:23

Instrument :

MSVOA_U

ClientSampleId :

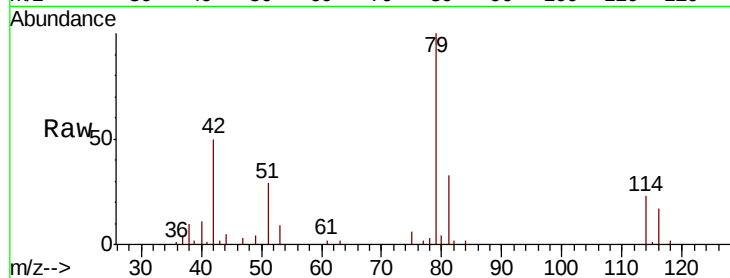
C0AJ5DL

Tot Ion: 75 Resp: 996

Ion Ratio Lower Upper

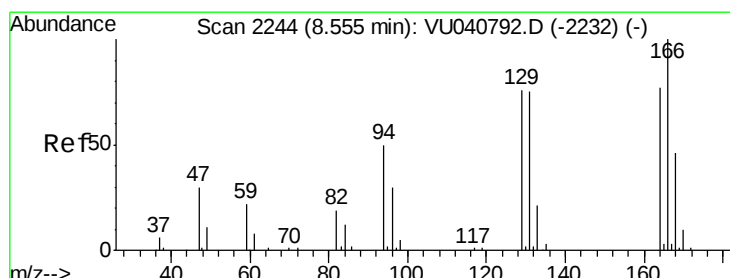
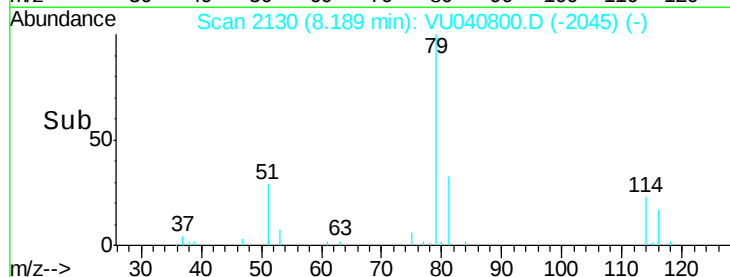
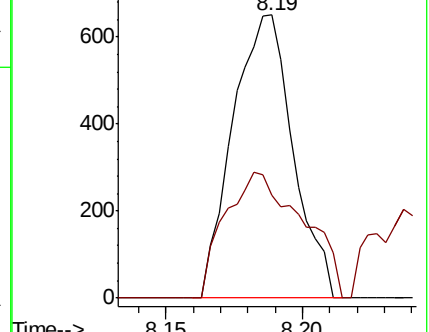
75 100

77 36.1 20.4 38.0



Abundance Ion 75.05 (74.75 to 75.75): VU040800.D (-2045) (-)

Ion 77.05 (76.75 to 77.75): VU040800.D (-2045) (-)



#47

Tetrachloroethene

Concen: 1.606 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040800.D

Acq: 19 Oct 2020 13:23

Tgt Ion:164 Resp: 11777

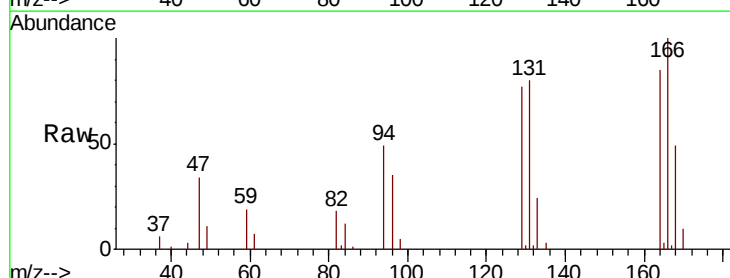
Ion Ratio Lower Upper

164 100

129 91.0 68.8 127.8

131 94.7 66.7 123.9

166 117.8 83.9 155.7

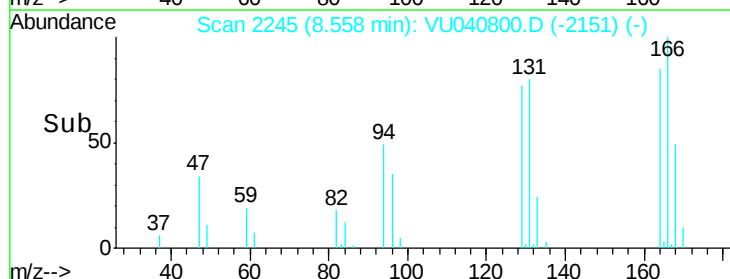
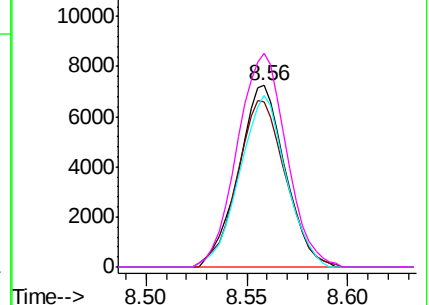


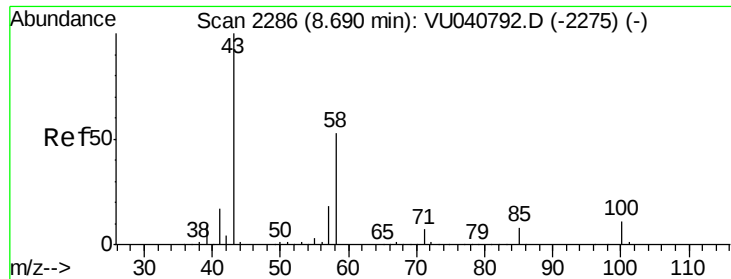
Abundance Ion 163.90 (163.60 to 164.60): VU040800.D (-2151) (-)

Ion 128.95 (128.65 to 129.65): VU040800.D (-2151) (-)

Ion 130.95 (130.65 to 131.65): VU040800.D (-2151) (-)

Ion 165.90 (165.60 to 166.60): VU040800.D (-2151) (-)

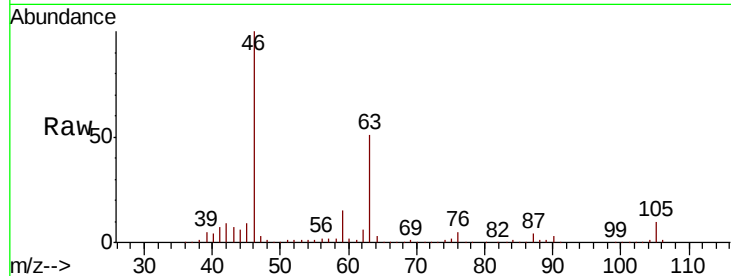




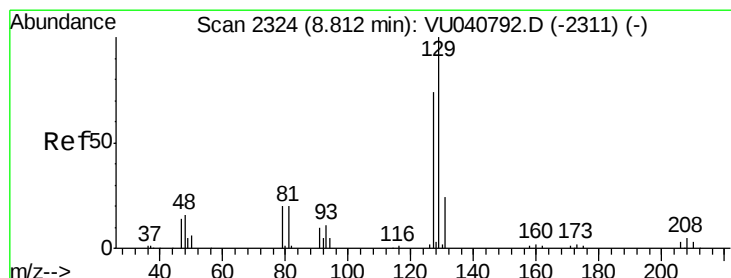
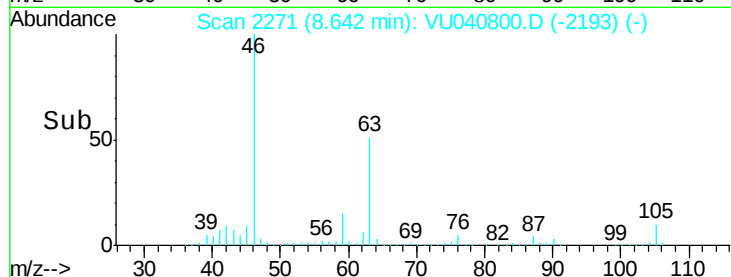
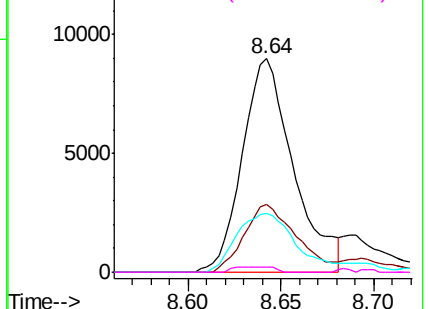
#48
2-Hexanone
Concen: 2.621 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU040800.D
Acq: 19 Oct 2020 13:23

Instrument :
MSVOA_U
ClientSampleId :
C0AJ5DL

Tot Ion: 43 Resp: 17194
Ion Ratio Lower Upper
43 100
58 32.1 41.0 61.6#
57 31.8 14.4 21.6#
100 1.9 8.6 13.0#

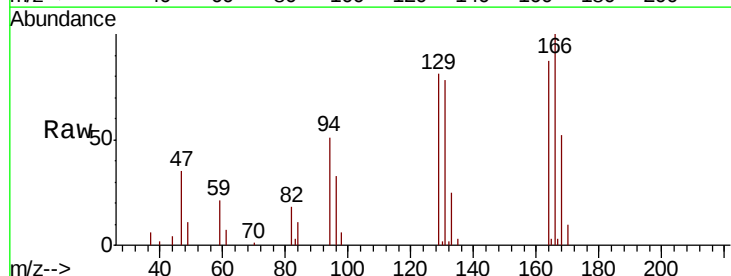


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

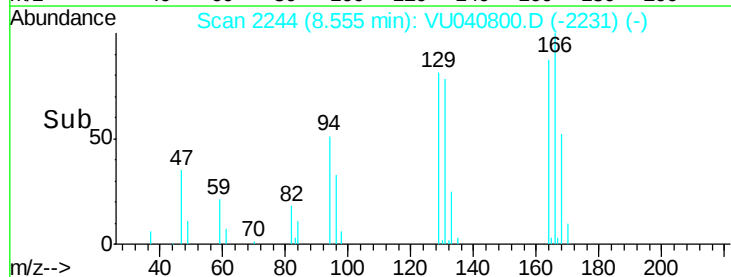
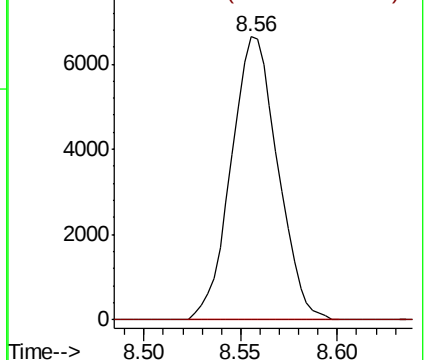


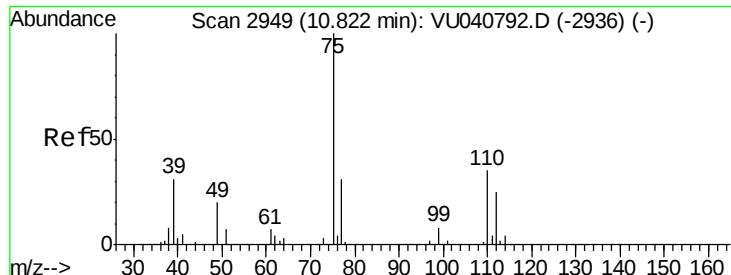
#49
Dibromochloromethane
Concen: 1.172 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU040800.D
Acq: 19 Oct 2020 13:23

Tgt Ion: 129 Resp: 11159
Ion Ratio Lower Upper
129 100
127 0.0 55.8 103.6#



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





#59

1,2,3-Trichloropropane

Concen: 0.799 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040800.D

Acq: 19 Oct 2020 13:23

Instrument :

MSVOA_U

ClientSampleId :

C0AJ5DL

Tot Ion: 75 Resp: 6486

Ion Ratio Lower Upper

75 100

77 41.2 26.4 39.6#

