

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042020\
 Data File : VU037813.D
 Acq On : 20 Apr 2020 14:58
 Operator : JC/MD
 Sample : L2319-08DL 5X
 Misc : 25mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 21 01:13:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 21 01:10:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	255706	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	258018	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	139187	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	66212	3.42	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.40%
7) Chloroethane-d5	1.89	69	62002	3.80	ug/L	-0.04
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.00%
11) 1,1-Dichloroethene-d2	2.58	63	109463	3.18	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.60%
20) 2-Butanone-d5	4.67	46	291736	54.90	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.80%
24) Chloroform-d	5.10	84	141215	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
26) 1,2-Dichloroethane-d4	5.74	65	85462	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
32) Benzene-d6	5.76	84	291130	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.20%
36) 1,2-Dichloropropane-d6	6.72	67	102594	4.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.40%
41) Toluene-d8	7.92	98	262241	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.80%
43) trans-1,3-Dichloropropene-	8.20	79	41717	4.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.80%
46) 2-Hexanone-d5	8.66	63	292029	55.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.96%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	93472	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	113157	4.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.20%

Target Compounds

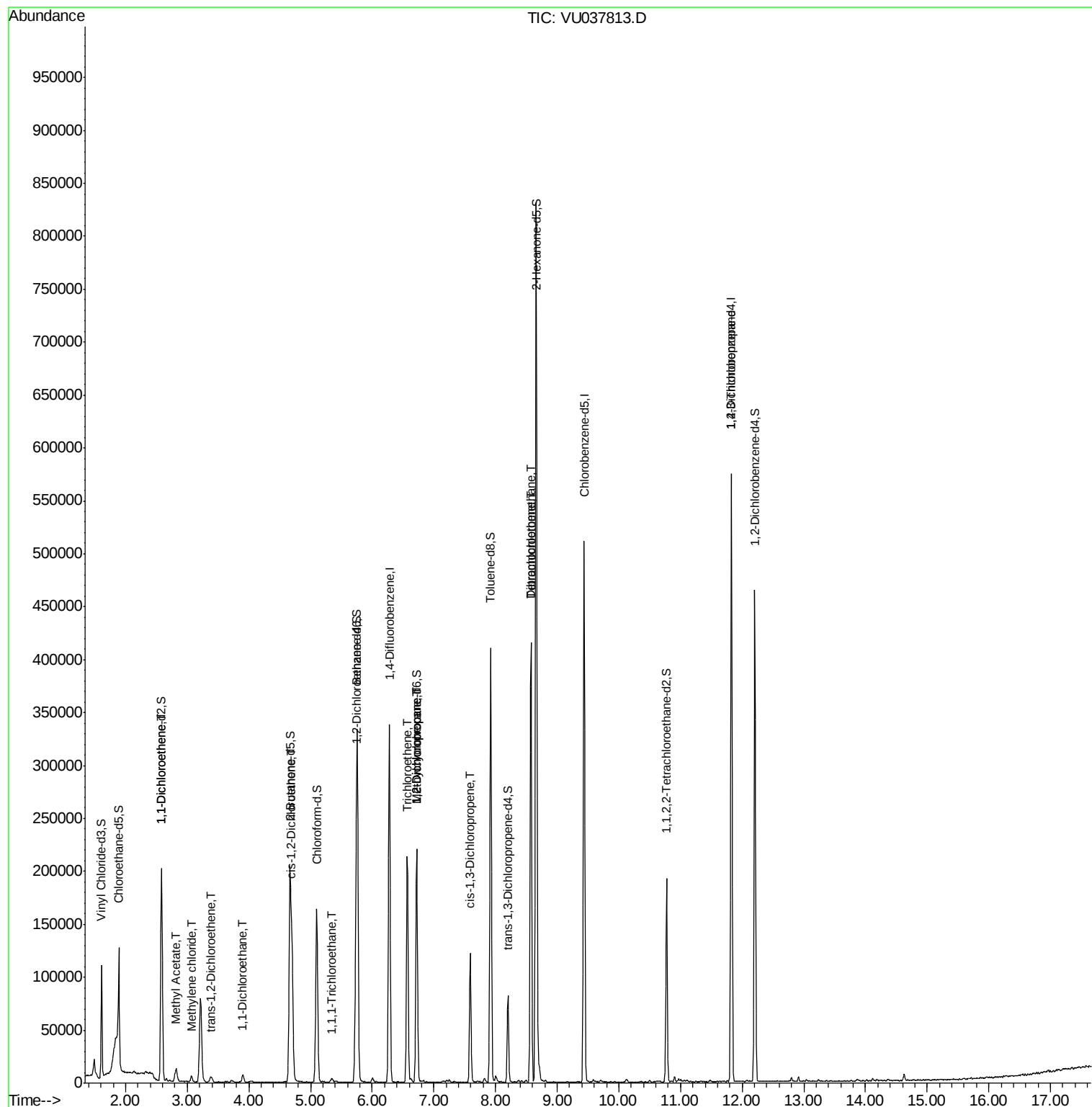
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.59	96	30413	1.724	ug/L #	62
15) Methyl Acetate	2.82	43	4723	0.485	ug/L #	54
16) Methylene chloride	3.07	84	2274	0.114	ug/L	85
18) trans-1,2-Dichloroethene	3.38	96	1595	0.083	ug/L	91
19) 1,1-Dichloroethane	3.90	63	8210	0.222	ug/L #	92
22) cis-1,2-Dichloroethene	4.70	96	48762	2.359	ug/L	96
29) 1,1,1-Trichloroethane	5.36	97	2557	0.082	ug/L	96
34) Trichloroethene	6.57	95	70504	3.365	ug/L	97
35) Methylcyclohexane	6.72	83	22226	0.605	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	10850	0.480	ug/L #	87
39) cis-1,3-Dichloropropene	7.59	75	2715	0.077	ug/L #	53
47) Tetrachloroethene	8.57	164	87885	5.838	ug/L	98
49) Dibromochloromethane	8.57	129	83398	4.790	ug/L #	11
59) 1,2,3-Trichloropropane	11.83	75	18910	1.278	ug/L	92

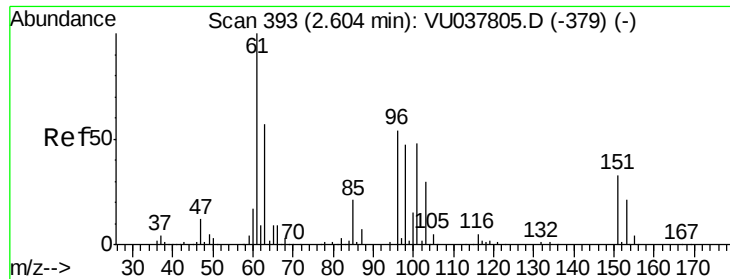
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 21 01:13:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041420WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Apr 21 01:10:29 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 1.724 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU037813.D

Acq: 20 Apr 2020 14:58

Instrument :

MSVOA_U

ClientSampleId :

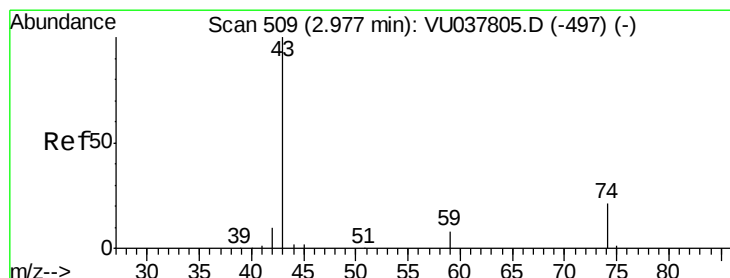
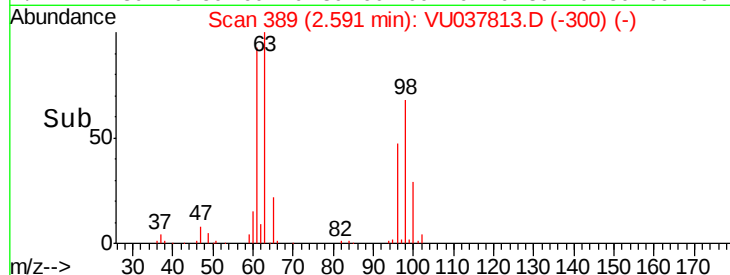
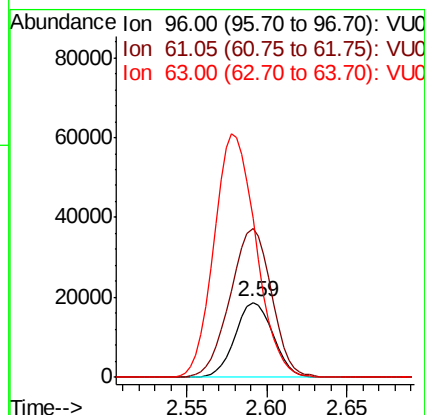
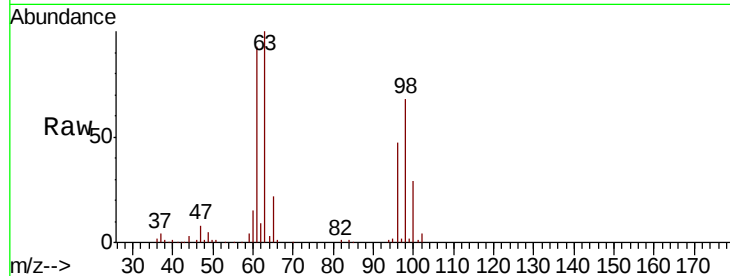
Tot Ion: 96 Resp: 30413

Ion Ratio Lower Upper

96 100

61 197.2 127.7 237.3

63 211.2 85.0 157.8#



#15

Methyl Acetate

Concen: 0.485 ug/L

RT: 2.82 min Scan# 459

Delta R.T. -0.16 min

Lab File: VU037813.D

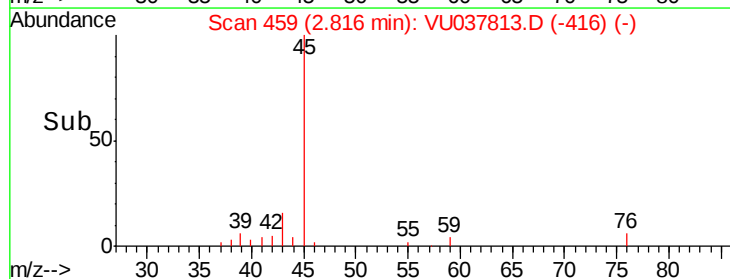
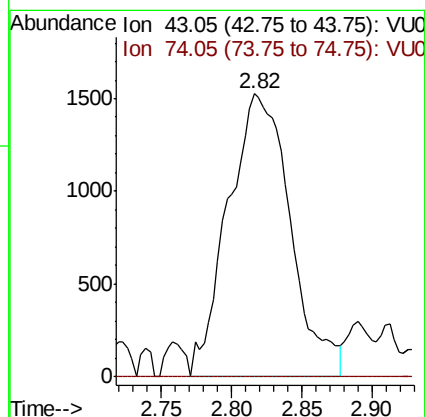
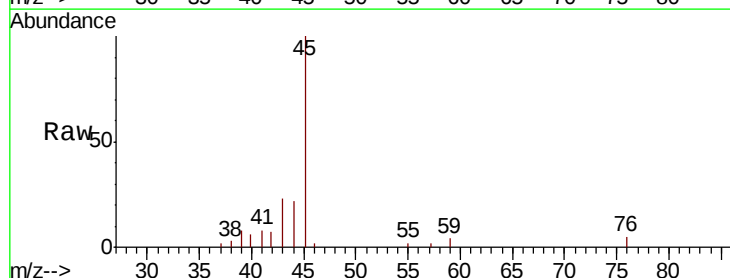
Acq: 20 Apr 2020 14:58

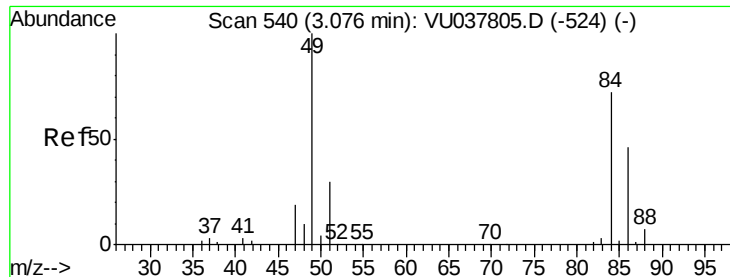
Tgt Ion: 43 Resp: 4723

Ion Ratio Lower Upper

43 100

74 0.0 17.2 25.8#

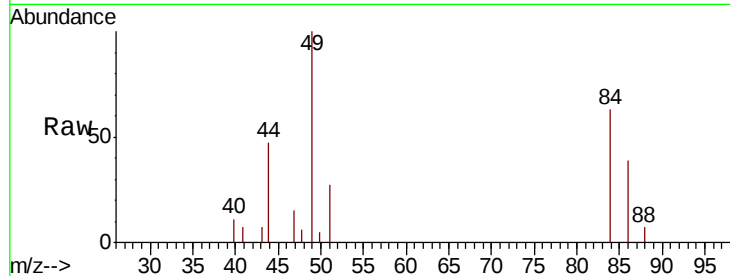




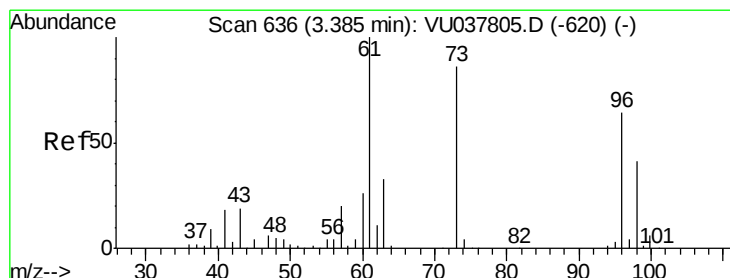
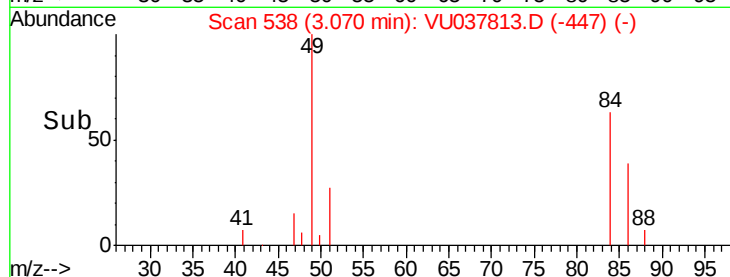
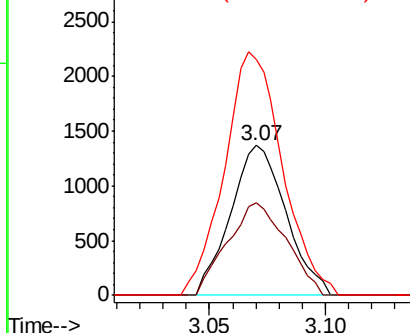
#16
Methvlene chloride
Concen: 0.114 ug/L
RT: 3.07 min Scan# 538
Delta R.T. -0.01 min
Lab File: VU037813.D
Acq: 20 Apr 2020 14:58

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 84 Resp: 2274
Ion Ratio Lower Upper
84 100
86 61.4 44.2 82.0
49 157.6 92.4 171.6

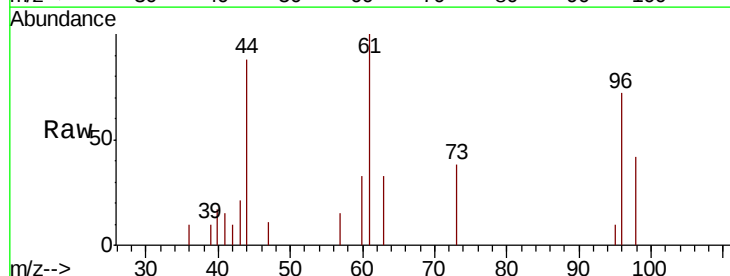


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

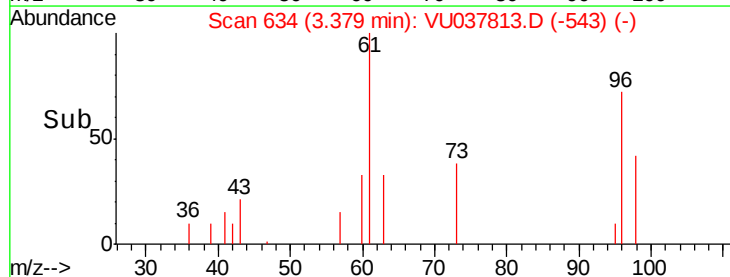
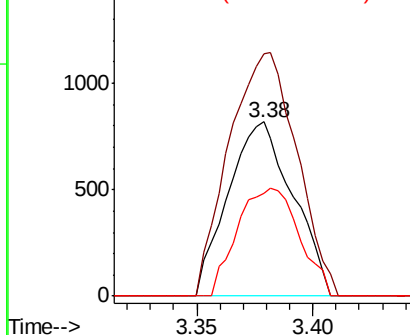


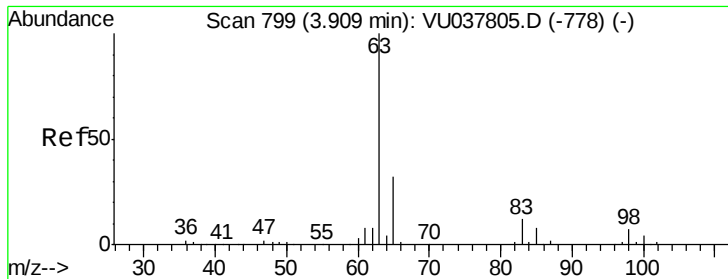
#18
trans-1,2-Dichloroethene
Concen: 0.083 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.01 min
Lab File: VU037813.D
Acq: 20 Apr 2020 14:58

Tgt Ion: 96 Resp: 1595
Ion Ratio Lower Upper
96 100
61 139.3 106.7 198.3
98 58.7 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

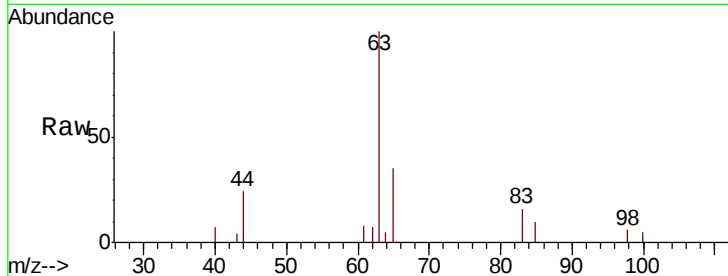




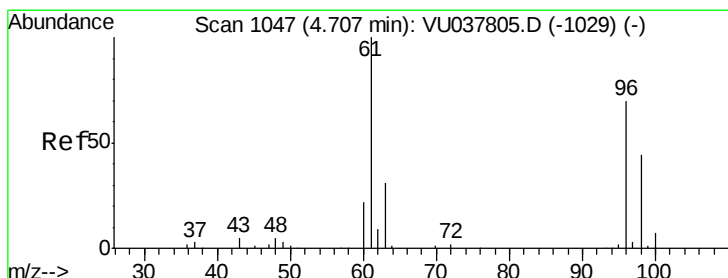
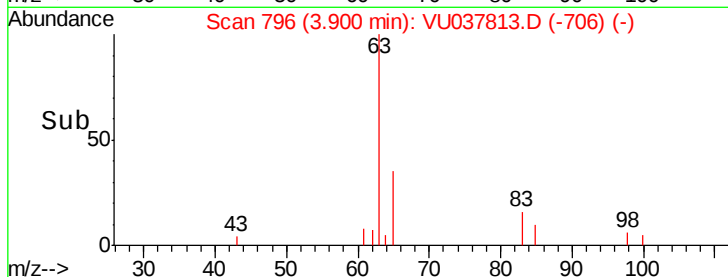
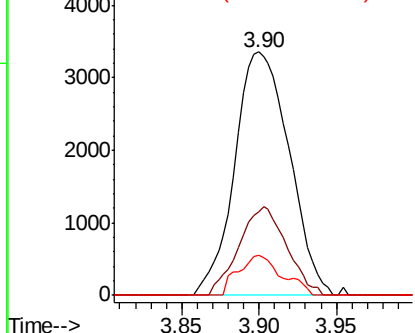
#19
 1,1-Dichloroethane
 Concen: 0.222 ug/L
 RT: 3.90 min Scan# 796
 Delta R.T. -0.01 min
 Lab File: VU037813.D
 Acq: 20 Apr 2020 14:58

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 8210
 Ion Ratio Lower Upper
 63 100
 65 34.6 21.6 40.2
 83 16.4 8.6 16.0#

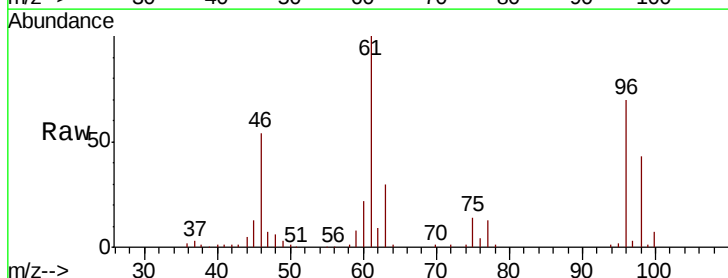


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

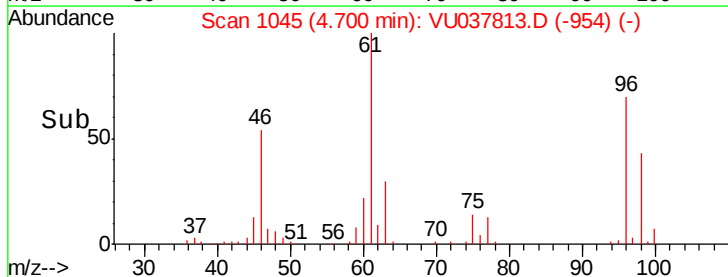
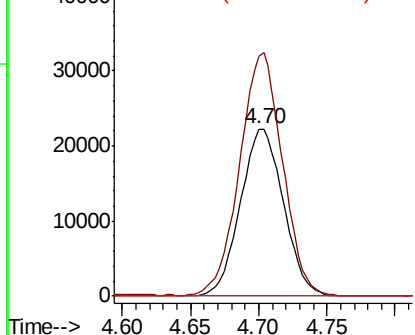


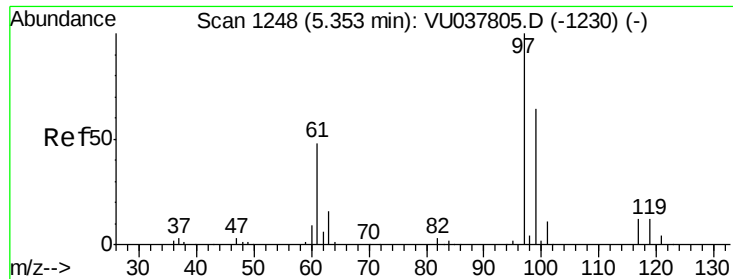
#22
 cis-1,2-Dichloroethene
 Concen: 2.359 ug/L
 RT: 4.70 min Scan# 1045
 Delta R.T. -0.01 min
 Lab File: VU037813.D
 Acq: 20 Apr 2020 14:58

Tgt Ion: 96 Resp: 48762
 Ion Ratio Lower Upper
 96 100
 61 143.8 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

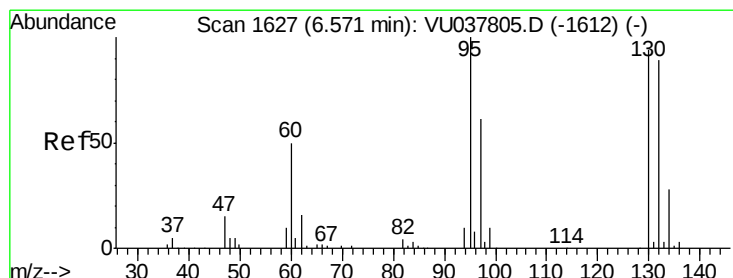
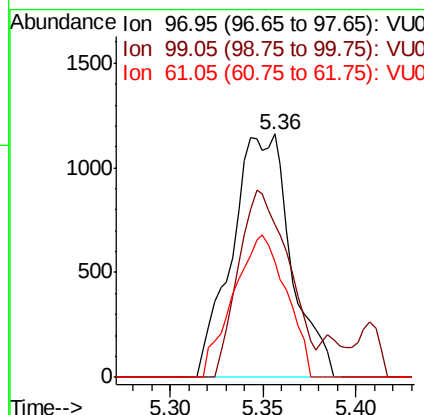
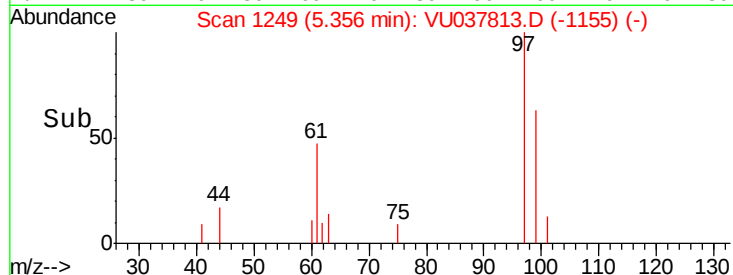
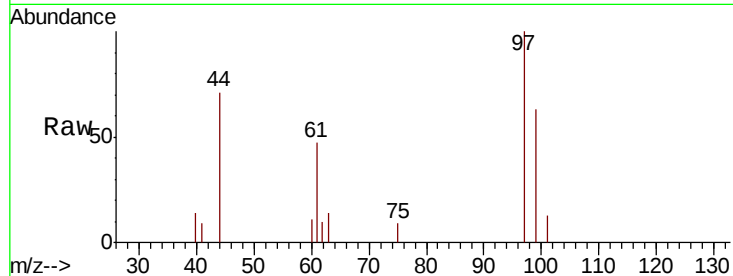




#29
1,1,1-Trichloroethane
Concen: 0.082 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VU037813.D
Acq: 20 Apr 2020 14:58

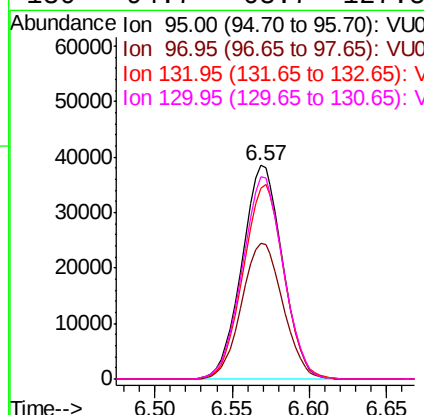
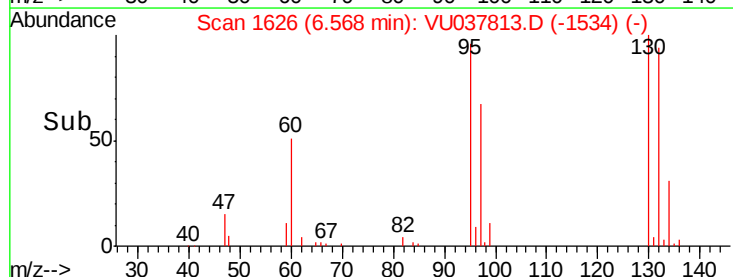
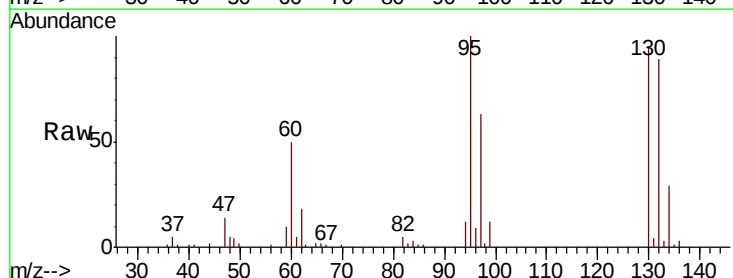
Instrument :
MSVOA_U
ClientSampled :

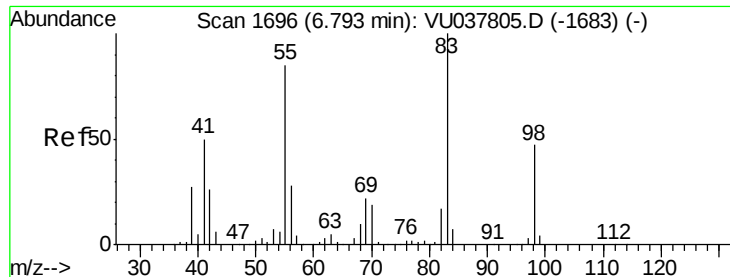
Tot Ion: 97 Resp: 2557
Ion Ratio Lower Upper
97 100
99 66.4 52.0 78.0
61 52.4 37.8 56.8



#34
Trichloroethene
Concen: 3.365 ug/L
RT: 6.57 min Scan# 1626
Delta R.T. -0.00 min
Lab File: VU037813.D
Acq: 20 Apr 2020 14:58

Tgt Ion: 95 Resp: 70504
Ion Ratio Lower Upper
95 100
97 63.3 45.4 84.2
132 89.1 63.7 118.3
130 94.7 68.7 127.5

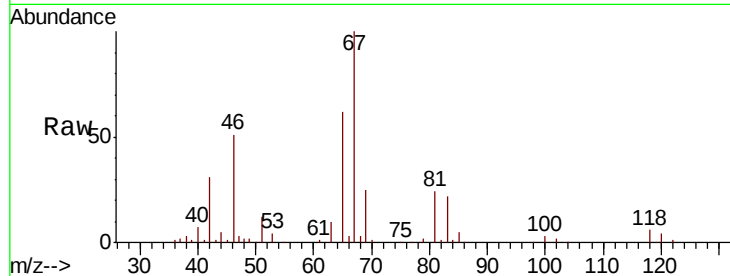




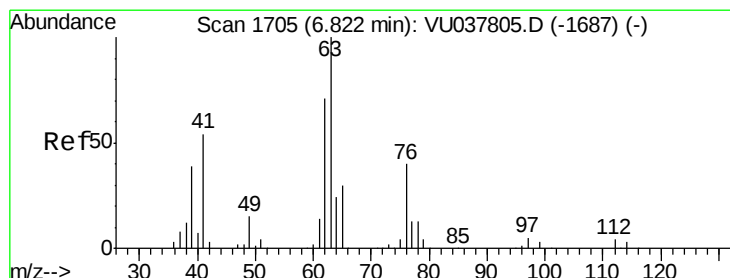
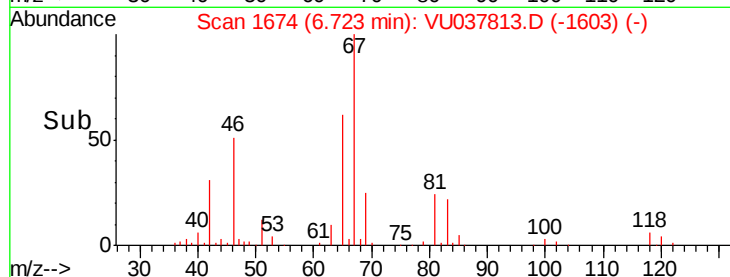
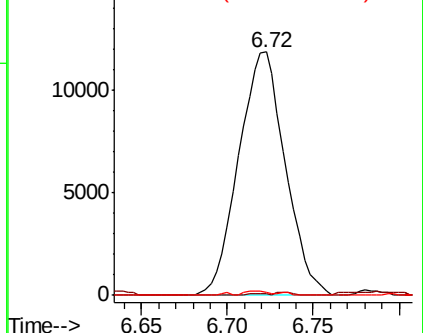
#35
Methvlcvclohexane
Concen: 0.605 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU037813.D
Acq: 20 Apr 2020 14:58

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 22226
Ion Ratio Lower Upper
83 100
55 0.4 65.5 98.3#
98 1.2 38.2 57.4#

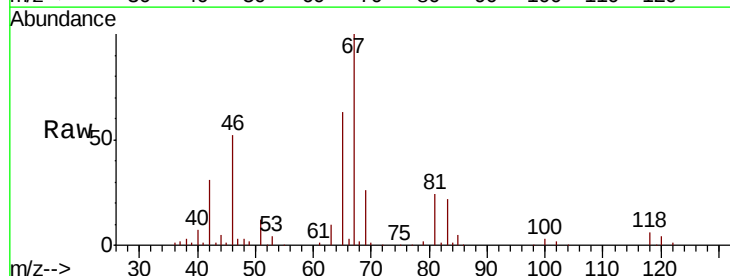


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

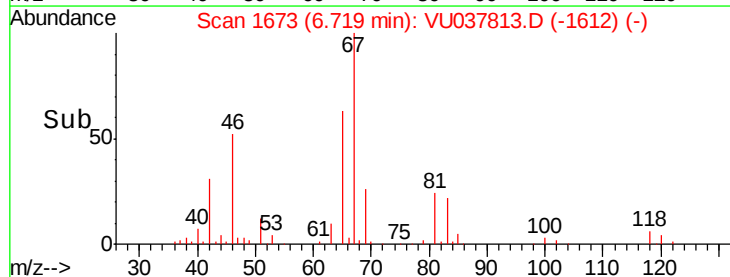
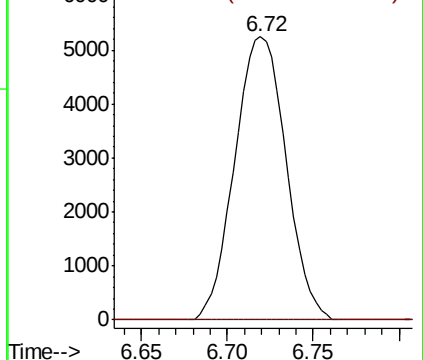


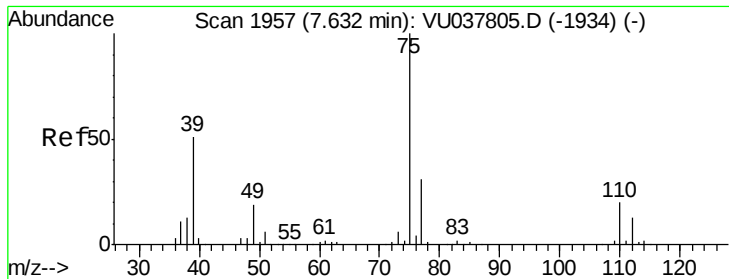
#37
1,2-Dichloropropane
Concen: 0.480 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.10 min
Lab File: VU037813.D
Acq: 20 Apr 2020 14:58

Tgt Ion: 63 Resp: 10850
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

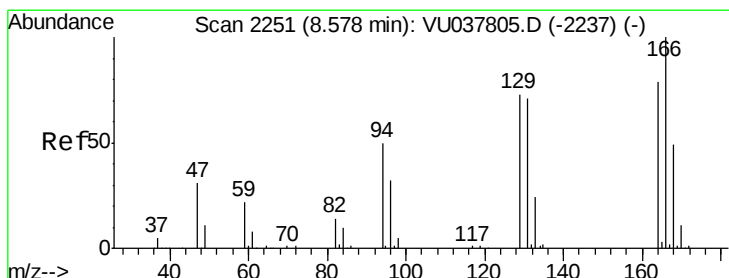
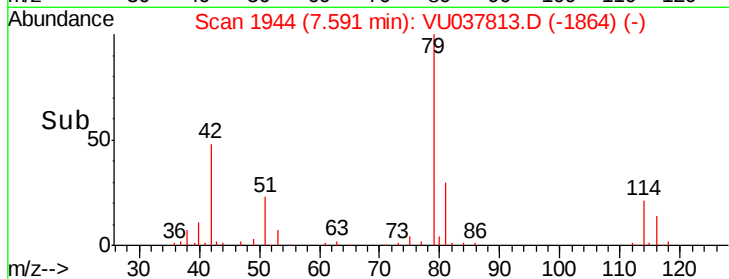
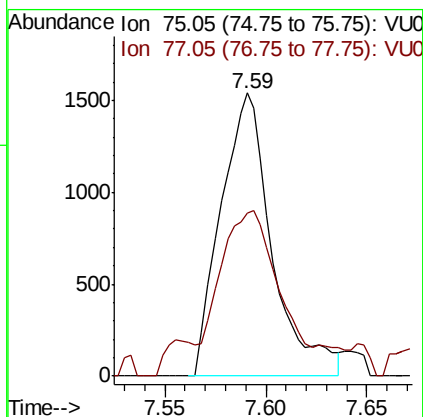
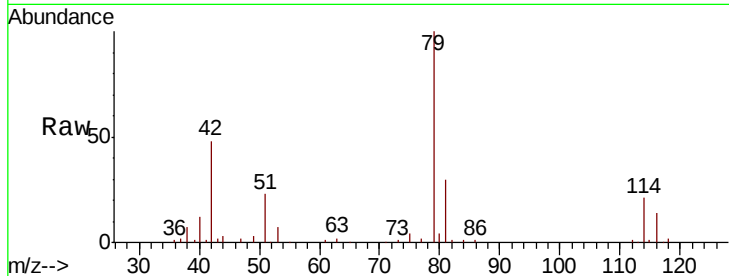




#39
 cis-1,3-Dichloropropene
 Concen: 0.077 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU037813.D
 Acq: 20 Apr 2020 14:58

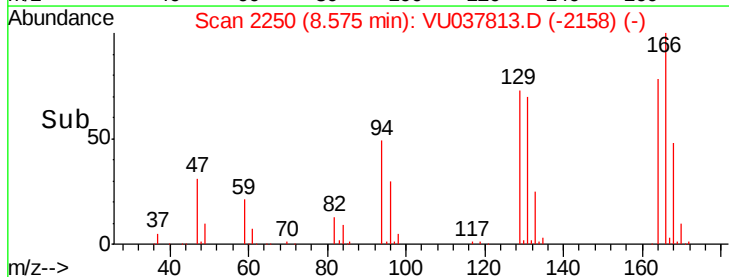
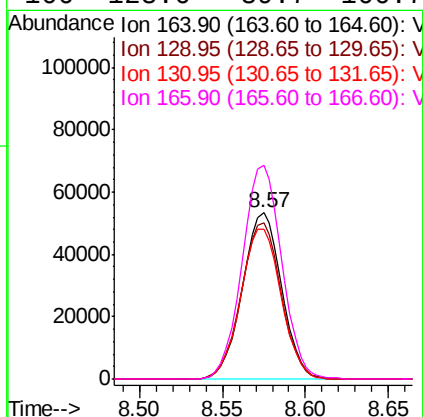
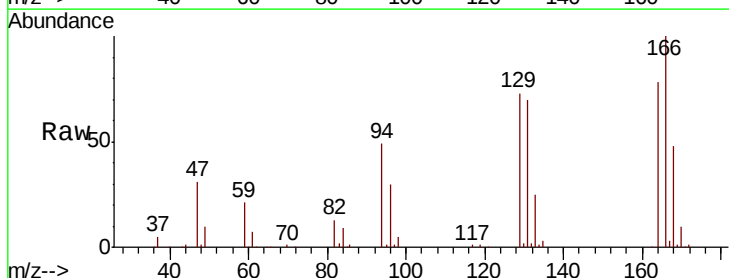
Instrument :
 MSVOA_U
 ClientSampleId :

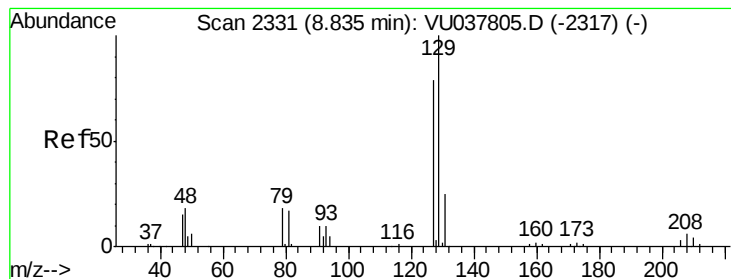
Tot Ion: 75 Resp: 2715
 Ion Ratio Lower Upper
 75 100
 77 57.6 22.2 41.2#



#47
 Tetrachloroethene
 Concen: 5.838 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU037813.D
 Acq: 20 Apr 2020 14:58

Tgt Ion:164 Resp: 87885
 Ion Ratio Lower Upper
 164 100
 129 93.8 68.1 126.5
 131 90.1 65.9 122.5
 166 128.6 89.7 166.7





#49

Dibromochloromethane

Concen: 4.790 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.26 min

Lab File: VU037813.D

Acq: 20 Apr 2020 14:58

Instrument :

MSVOA_U

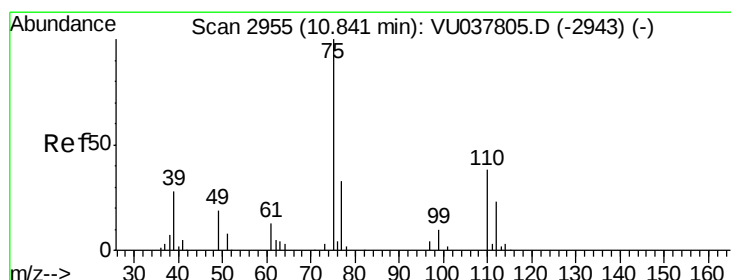
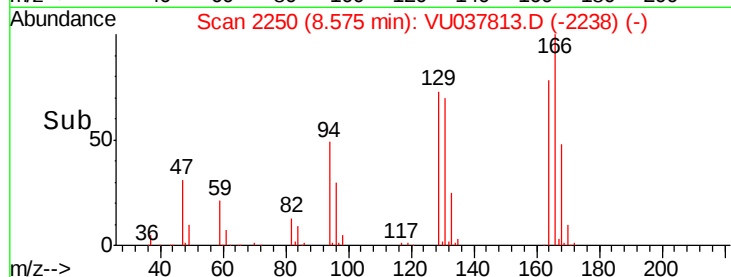
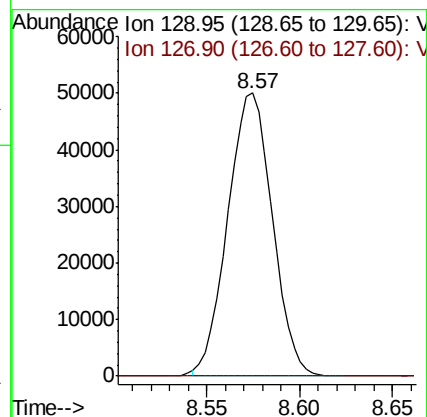
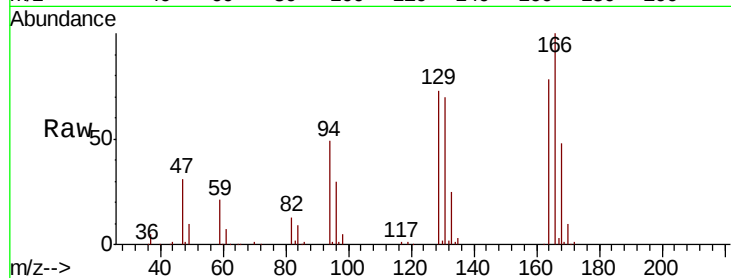
ClientSampled :

Tot Ion:129 Resp: 83398

Ion Ratio Lower Upper

129 100

127 0.0 53.3 98.9#



#59

1,2,3-Trichloropropane

Concen: 1.278 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU037813.D

Acq: 20 Apr 2020 14:58

Tgt Ion: 75 Resp: 18910

Ion Ratio Lower Upper

75 100

77 36.1 25.4 38.2

