

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110320\
 Data File : VU041083.D
 Acq On : 03 Nov 2020 17:22
 Operator : SY/MD
 Sample : L4575-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AA0

Quant Time: Nov 04 01:00:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 04 00:51:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	53952	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	55756	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	23897	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	17818	3.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.60%
7) Chloroethane-d5	1.92	69	13957	4.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.20%
11) 1,1-Dichloroethene-d2	2.58	63	25873	2.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.20%#
20) 2-Butanone-d5	4.65	46	75205	50.38	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.76%
24) Chloroform-d	5.08	84	35399	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
26) 1,2-Dichloroethane-d4	5.72	65	22261	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
32) Benzene-d6	5.74	84	62807	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.20%
36) 1,2-Dichloropropane-d6	6.70	67	22177	4.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.40%
41) Toluene-d8	7.91	98	50472	3.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.80%
43) trans-1,3-Dichloropropene-	8.19	79	8552	4.06	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.20%
46) 2-Hexanone-d5	8.64	63	56744	50.08	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.16%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	19964	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	19587	4.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.40%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	399	0.078 ug/L	91
8) Chloroethane	1.97	64	172	0.054 ug/L #	43
9) Trichlorofluoromethane	2.15	101	153537	22.294 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	265	0.066 ug/L #	22
13) Acetone	2.66	43	1020	1.000 ug/L	79
22) cis-1,2-Dichloroethene	4.69	96	278	0.070 ug/L	69
25) Chloroform	5.11	83	2443	0.315 ug/L	97
27) 1,2-Dichloroethane	5.75	62	433	0.075 ug/L #	74
31) Carbon tetrachloride	5.54	117	3381	0.560 ug/L	97
34) Trichloroethene	6.55	95	2332	0.550 ug/L	94
35) Methylcyclohexane	6.70	83	4968	0.786 ug/L #	13
37) 1,2-Dichloropropane	6.70	63	2573	0.571 ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	536	0.086 ug/L #	58
44) trans-1,3-Dichloropropene	8.19	75	396	0.068 ug/L #	65
45) 1,1,2-Trichloroethane	8.40	97	544	0.162 ug/L	86
47) Tetrachloroethene	8.56	164	252722	81.064 ug/L	97
48) 2-Hexanone	8.64	43	8591	3.174 ug/L #	68

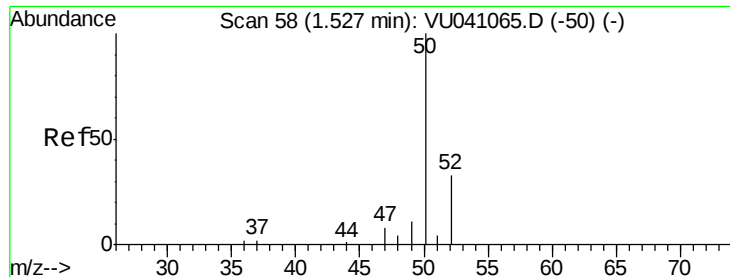
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110320\
Data File : VU041083.D
Acq On : 03 Nov 2020 17:22
Operator : SY/MD
Sample : L4575-01
Misc : 25.0mL/MSVOA U/WATER
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ClientSampleId :
C0AA0

Quant Time: Nov 04 01:00:58 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 04 00:51:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.56	129	256914	65.925	ug/L #	11
51) Chlorobenzene	9.45	112	738	0.069	ug/L	99
59) 1,2,3-Trichloropropane	11.81	75	3443	1.025	ug/L	91

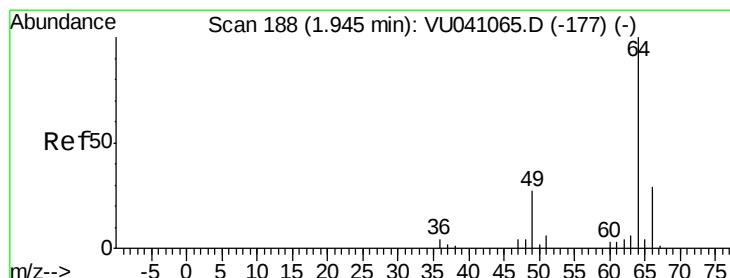
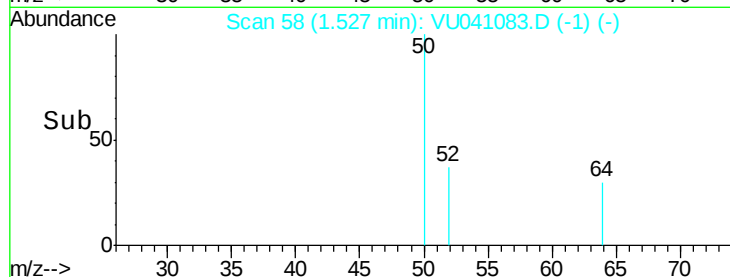
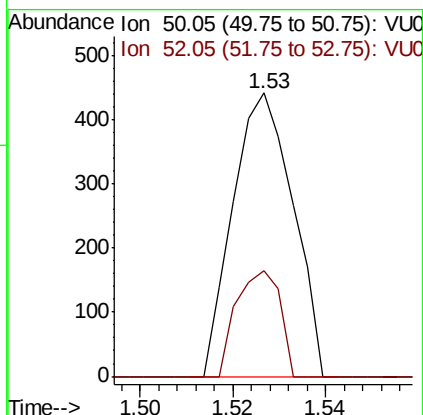
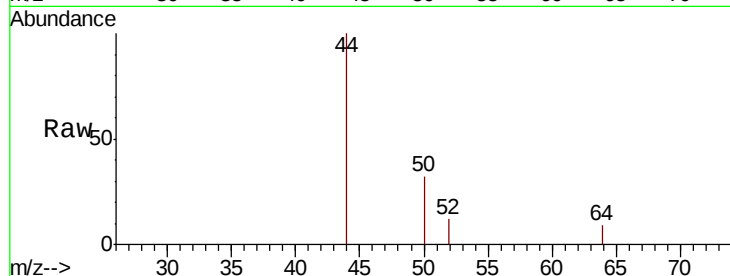
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#3
Chloromethane
Concen: 0.078 ug/L
RT: 1.53 min Scan# 58
Delta R.T. 0.00 min
Lab File: VU041083.D
Acq: 03 Nov 2020 17:22

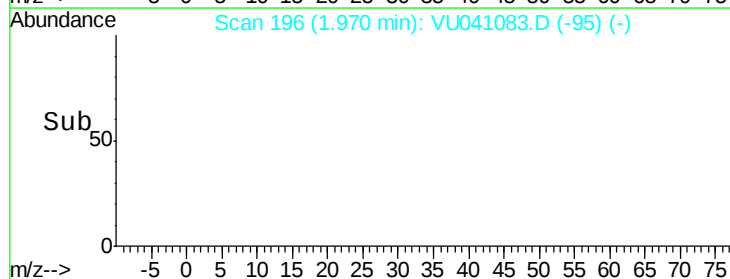
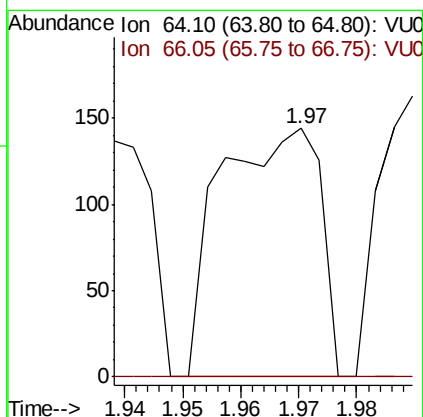
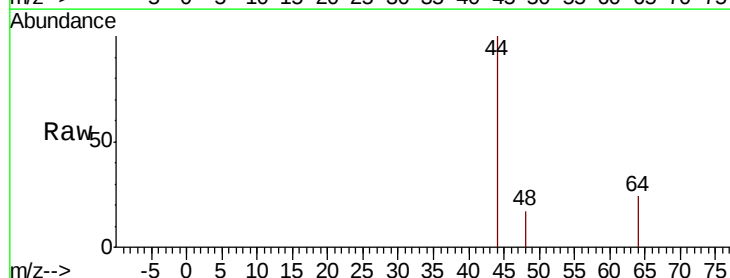
Instrument :
MSVOA_U
ClientSampleId :
C0AA0

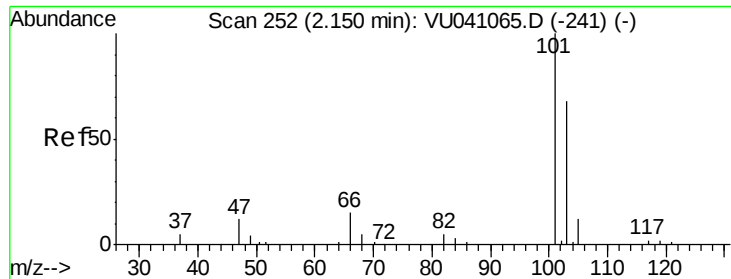
Tot Ion: 50 Resp: 399
Ion Ratio Lower Upper
50 100
52 37.1 22.4 41.6



#8
Chloroethane
Concen: 0.054 ug/L
RT: 1.97 min Scan# 196
Delta R.T. 0.03 min
Lab File: VU041083.D
Acq: 03 Nov 2020 17:22

Tgt Ion: 64 Resp: 172
Ion Ratio Lower Upper
64 100
66 0.0 22.3 41.5#



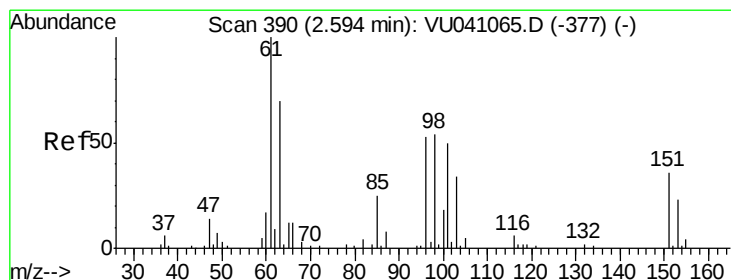
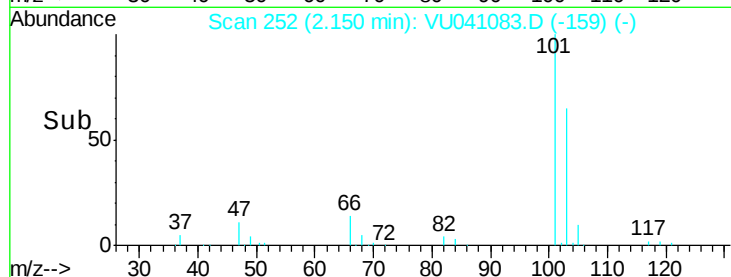
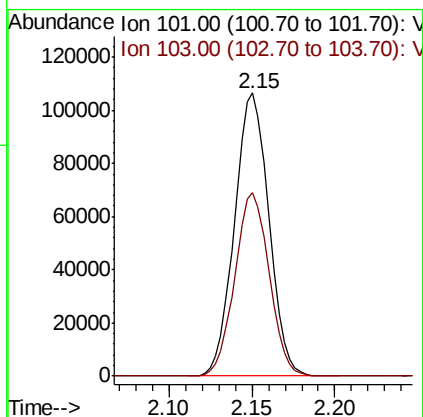
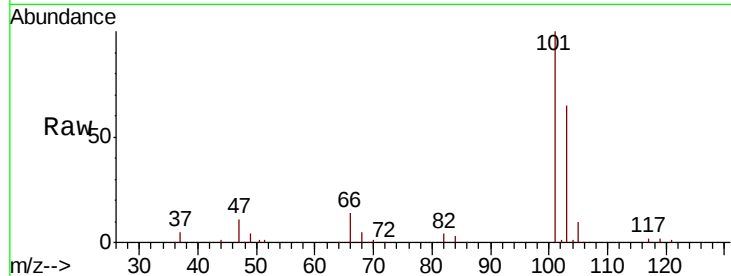


#9

Trichlorofluoromethane
 Concen: 22.294 ug/L
 RT: 2.15 min Scan# 252
 Delta R.T. 0.00 min
 Lab File: VU041083.D
 Acq: 03 Nov 2020 17:22

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AA0

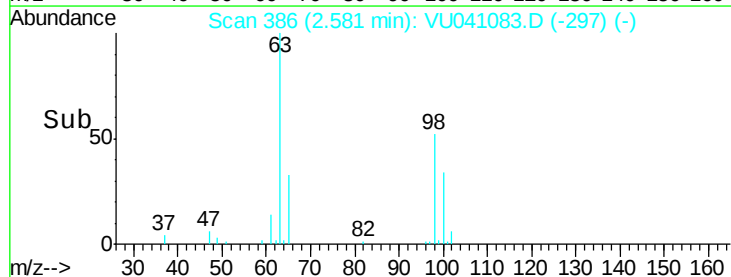
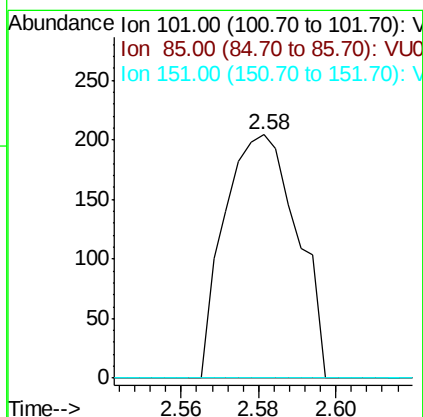
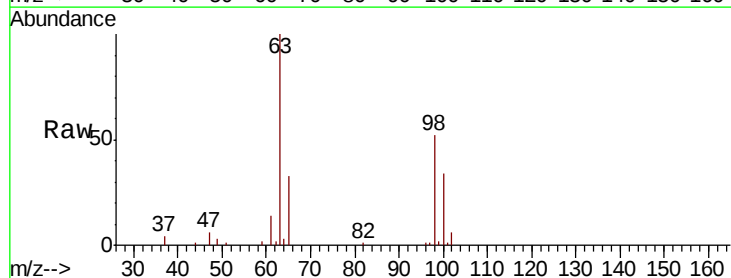
Tot Ion:101 Resp: 153537
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.0 76.4

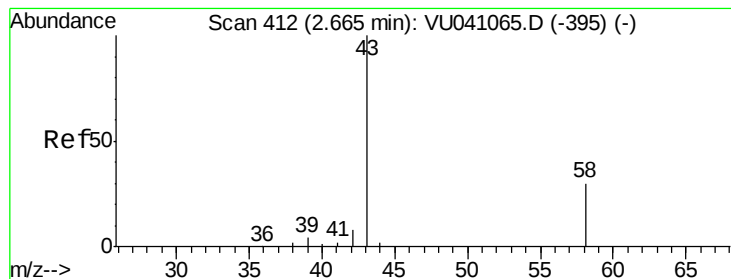


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.066 ug/L
 RT: 2.58 min Scan# 386
 Delta R.T. -0.01 min
 Lab File: VU041083.D
 Acq: 03 Nov 2020 17:22

Tgt Ion:101 Resp: 265
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.0 52.4#
 151 0.0 55.3 82.9#





#13

Acetone

Concen: 1.000 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.01 min

Lab File: VU041083.D

Acq: 03 Nov 2020 17:22

Instrument :

MSVOA_U

ClientSampleId :

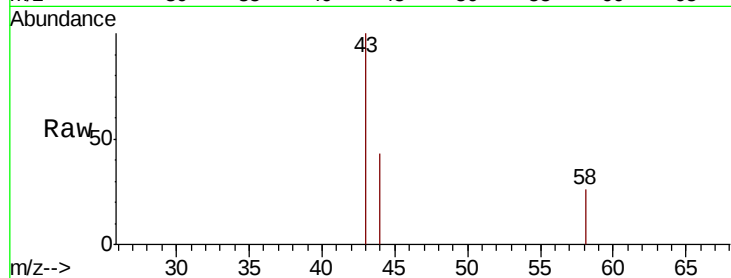
C0AA0

Tot Ion: 43 Resp: 1020

Ion Ratio Lower Upper

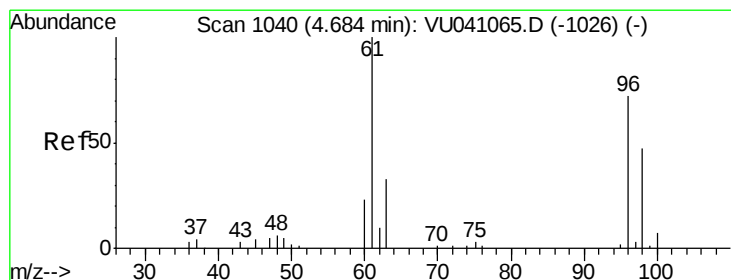
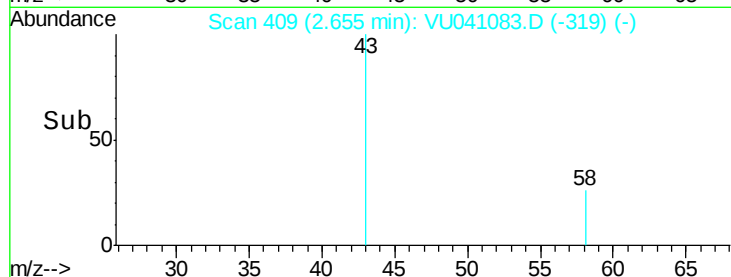
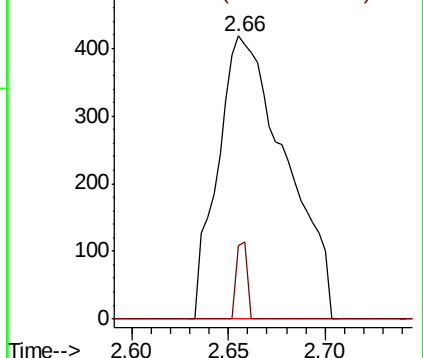
43 100

58 4.2 0.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#22

cis-1,2-Dichloroethene

Concen: 0.070 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU041083.D

Acq: 03 Nov 2020 17:22

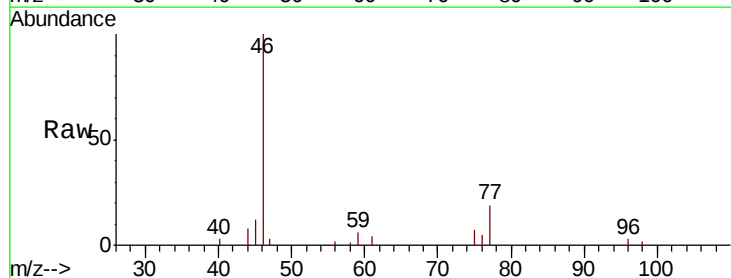
Tgt Ion: 96 Resp: 278

Ion Ratio Lower Upper

96 100

61 101.3 97.2 180.4

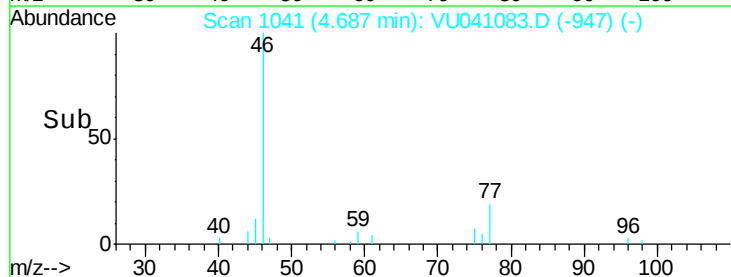
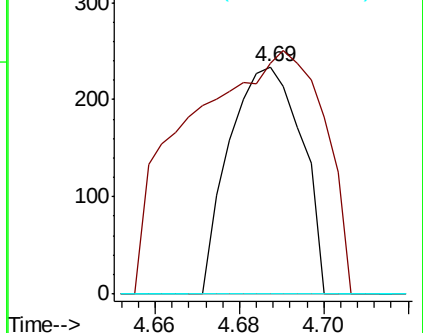
68 0.0 0.0 0.0

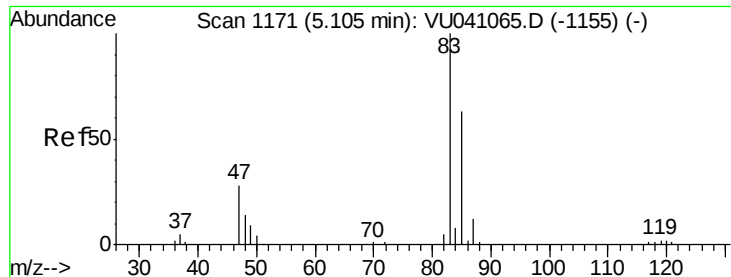


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

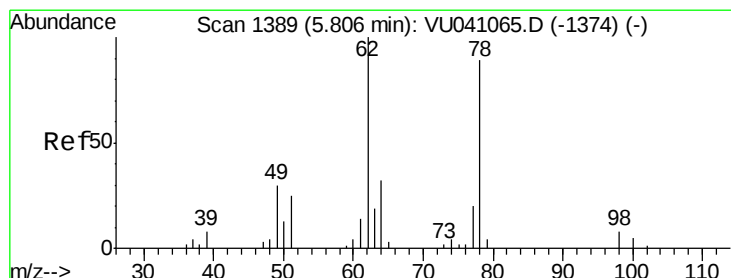
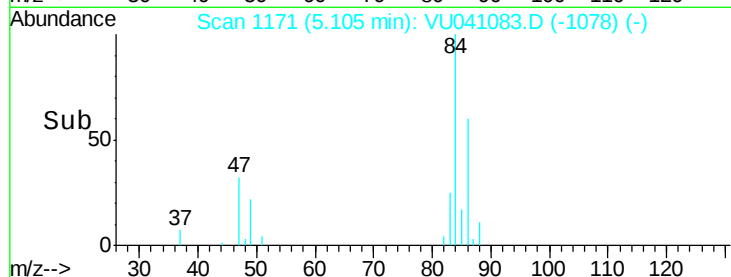
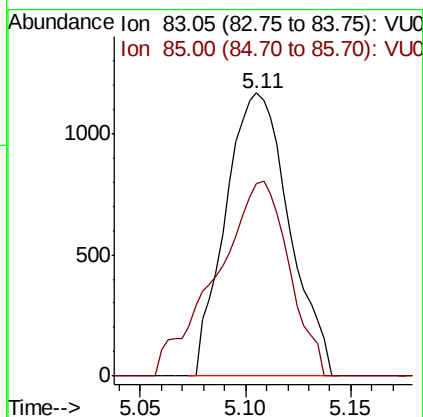
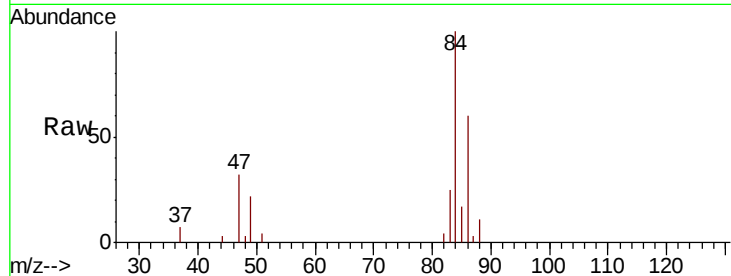




#25
Chloroform
Concen: 0.315 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041083.D
Acq: 03 Nov 2020 17:22

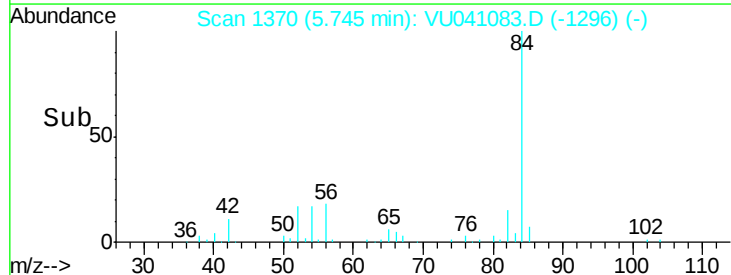
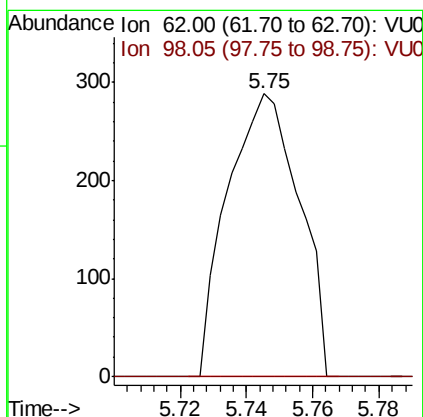
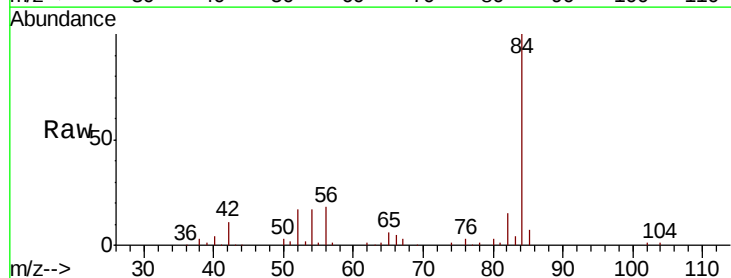
Instrument :
MSVOA_U
ClientSampled :
C0AA0

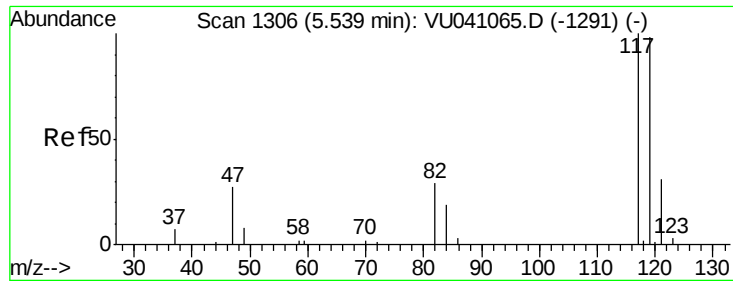
Tot Ion: 83 Resp: 2443
Ion Ratio Lower Upper
83 100
85 68.0 46.1 85.7



#27
1,2-Dichloroethane
Concen: 0.075 ug/L
RT: 5.75 min Scan# 1370
Delta R.T. -0.06 min
Lab File: VU041083.D
Acq: 03 Nov 2020 17:22

Tgt Ion: 62 Resp: 433
Ion Ratio Lower Upper
62 100
98 0.0 7.6 11.4#





#31

Carbon tetrachloride

Concen: 0.560 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU041083.D

Acq: 03 Nov 2020 17:22

Instrument :

MSVOA_U

ClientSampleId :

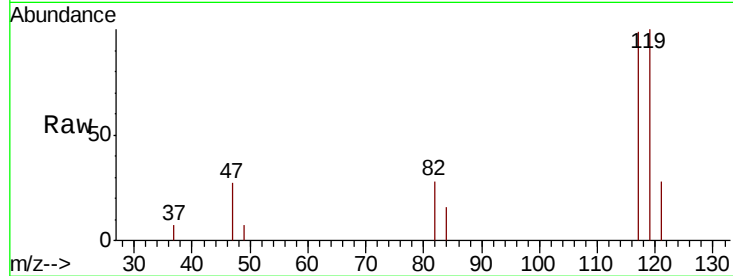
C0AA0

Tot Ion:117 Resp: 3381

Ion Ratio Lower Upper

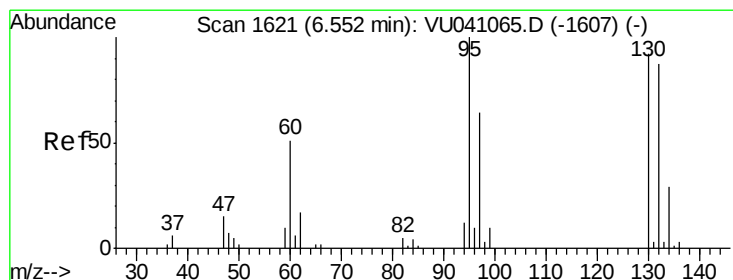
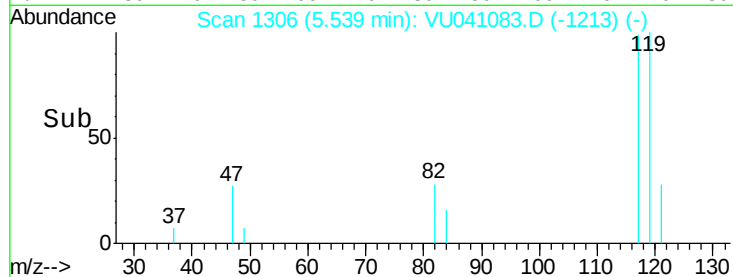
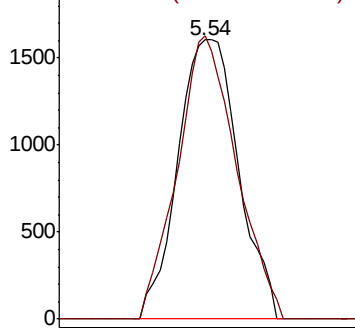
117 100

119 98.2 76.1 114.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 0.550 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU041083.D

Acq: 03 Nov 2020 17:22

Tgt Ion: 95 Resp: 2332

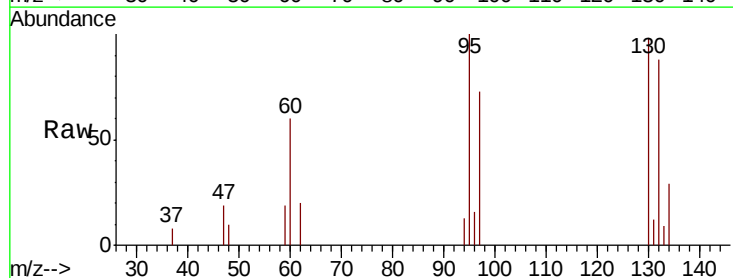
Ion Ratio Lower Upper

95 100

97 72.9 45.6 84.6

132 88.1 64.8 120.4

130 98.1 64.8 120.4

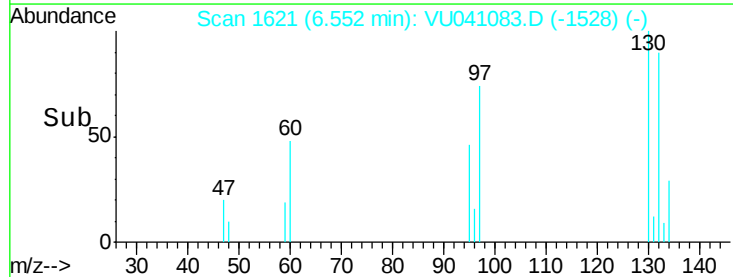
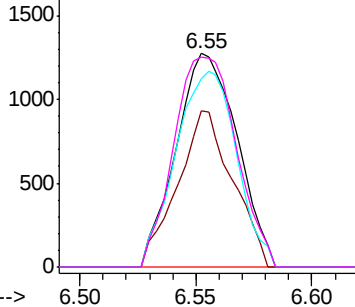


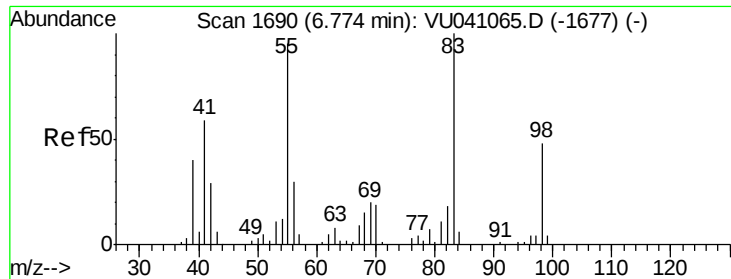
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0

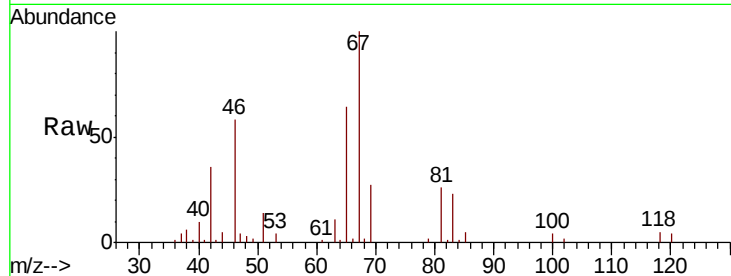




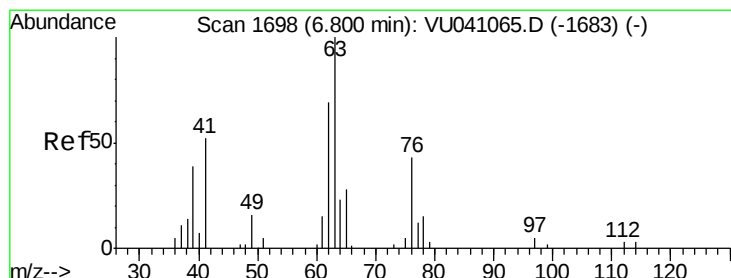
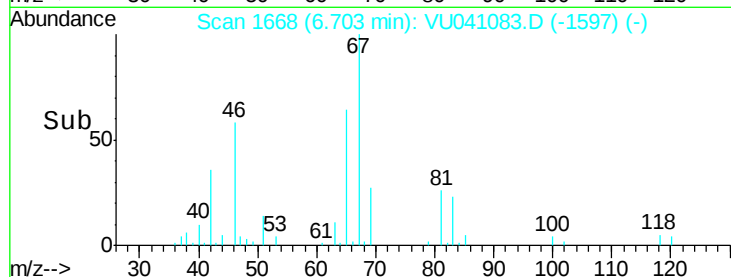
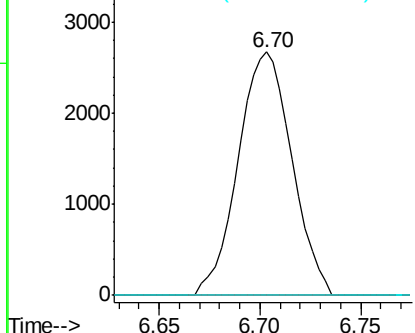
#35
Methvlcvclohexane
Concen: 0.786 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041083.D
Acq: 03 Nov 2020 17:22

Instrument :
MSVOA_U
ClientSampleId :
C0AA0

Tot Ion: 83 Resp: 4968
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 0.0 36.6 55.0#

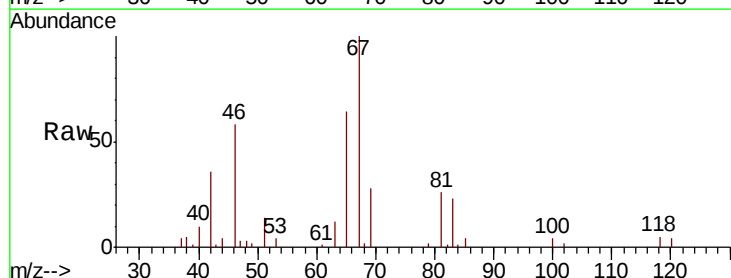


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

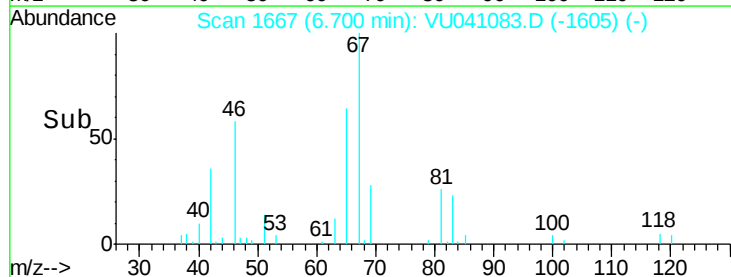
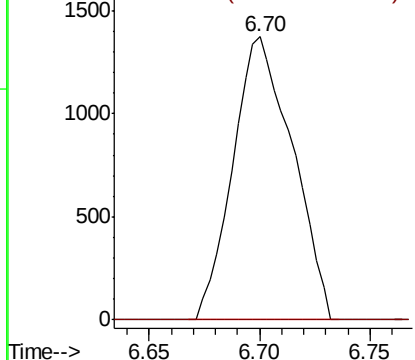


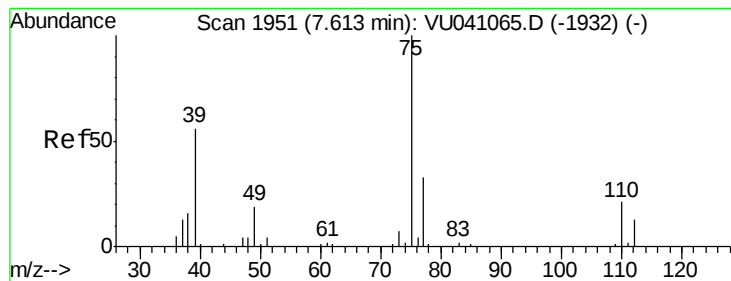
#37
1,2-Dichloropropane
Concen: 0.571 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041083.D
Acq: 03 Nov 2020 17:22

Tgt Ion: 63 Resp: 2573
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



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



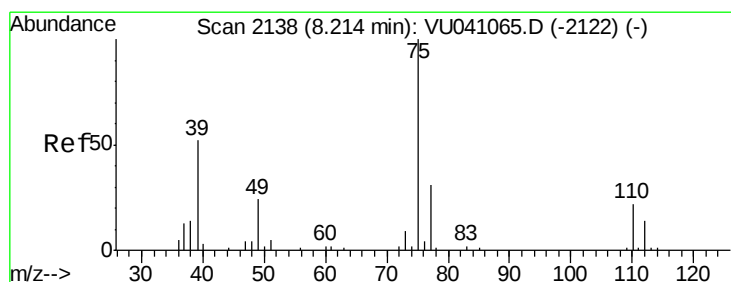
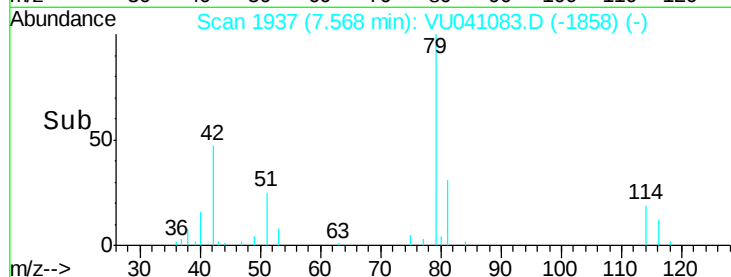
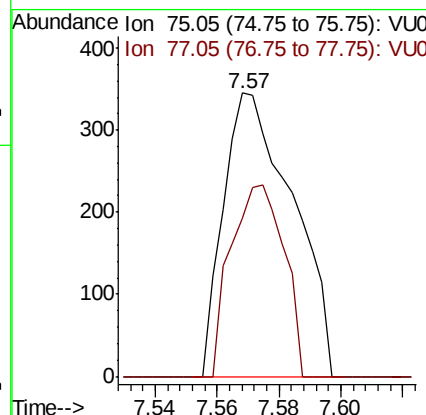
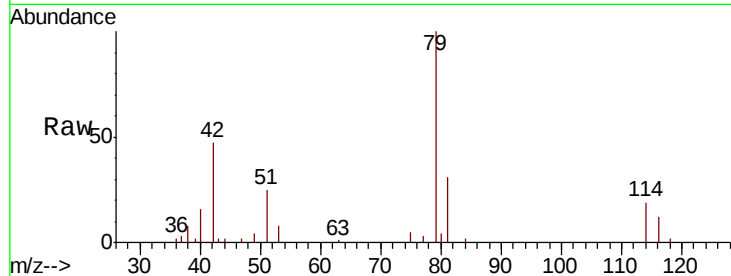


#39

cis-1,3-Dichloropropene
 Concen: 0.086 ug/L
 RT: 7.57 min Scan# 1937
 Delta R.T. -0.05 min
 Lab File: VU041083.D
 Acq: 03 Nov 2020 17:22

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AA0

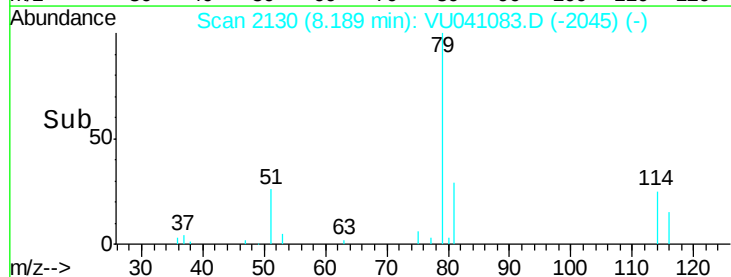
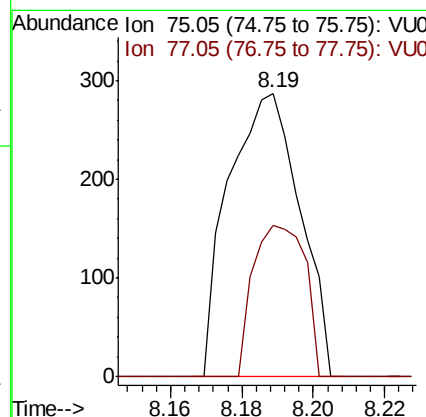
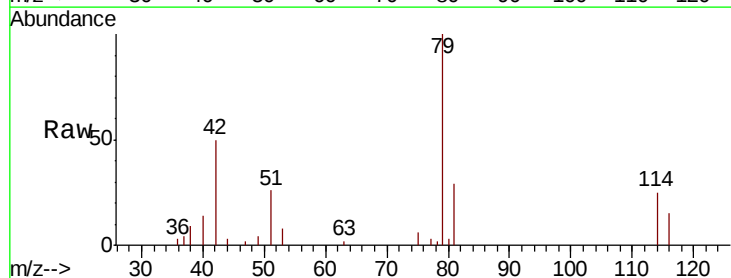
Tot Ion: 75 Resp: 536
 Ion Ratio Lower Upper
 75 100
 77 55.9 22.7 42.3#

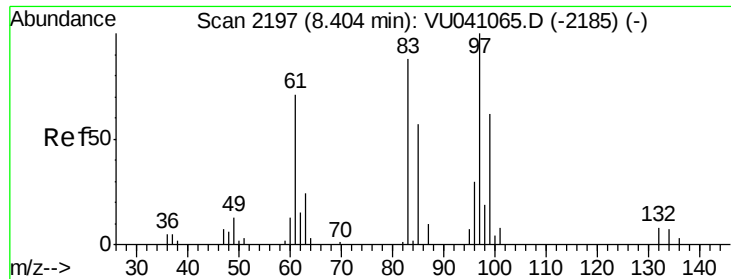


#44

trans-1,3-Dichloropropene
 Concen: 0.068 ug/L
 RT: 8.19 min Scan# 2130
 Delta R.T. -0.03 min
 Lab File: VU041083.D
 Acq: 03 Nov 2020 17:22

Tgt Ion: 75 Resp: 396
 Ion Ratio Lower Upper
 75 100
 77 53.3 23.3 43.3#

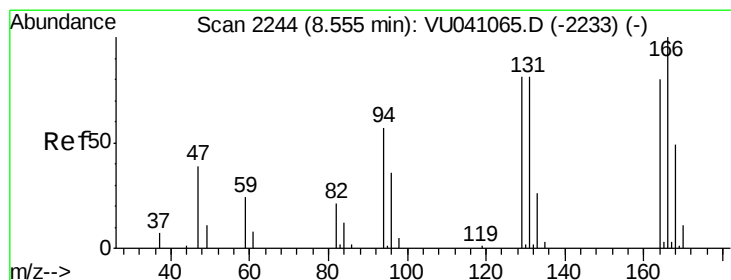
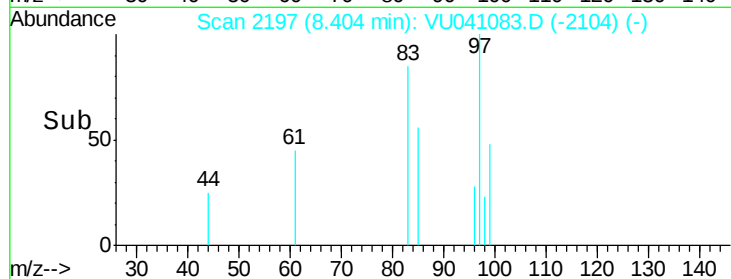
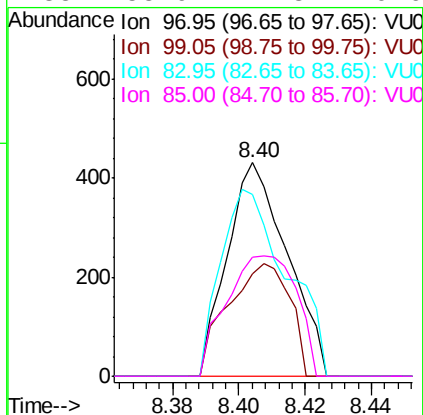
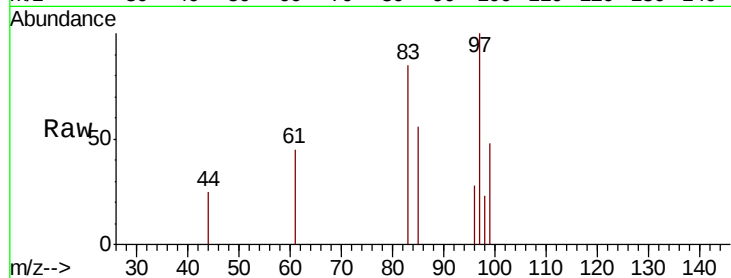




#45
1,1,2-Trichloroethane
Concen: 0.162 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VU041083.D
Acq: 03 Nov 2020 17:22

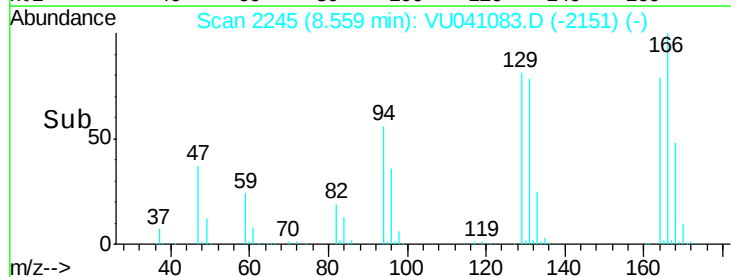
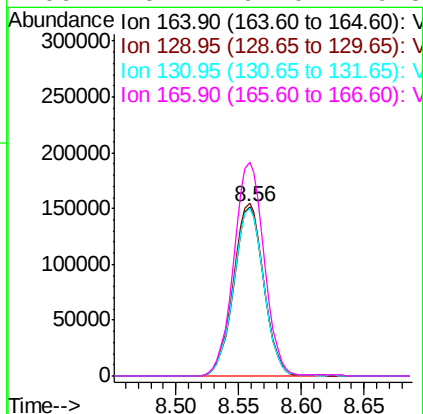
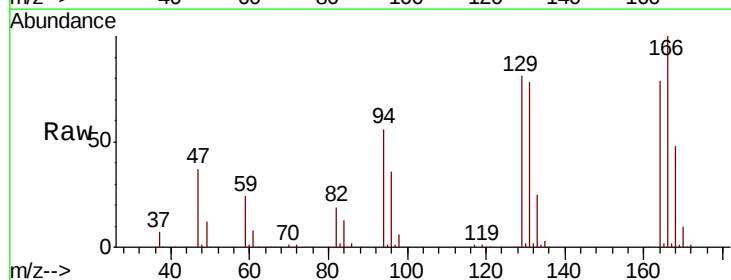
Instrument :
MSVOA_U
ClientSampleId :
C0AA0

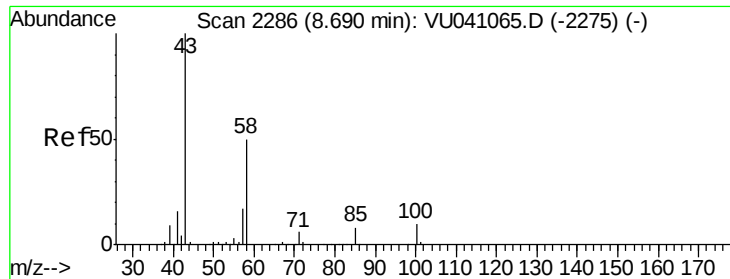
Tot Ion:	97	Resp:	544
Ion	Ratio	Lower	Upper
97	100		
99	47.8	45.8	85.2
83	85.4	67.9	126.1
85	55.9	42.8	79.6



#47
Tetrachloroethene
Concen: 81.064 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU041083.D
Acq: 03 Nov 2020 17:22

Tgt Ion:	164	Resp:	252722
Ion	Ratio	Lower	Upper
164	100		
129	101.9	70.3	130.7
131	98.9	70.8	131.4
166	126.2	92.0	170.8

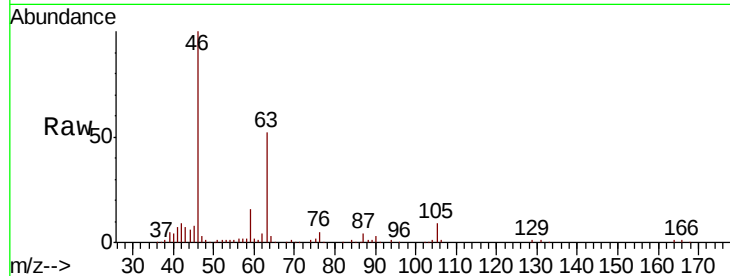




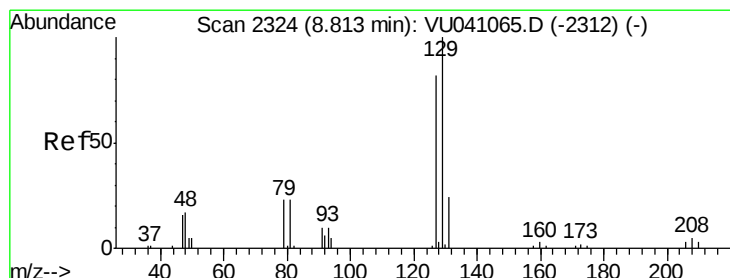
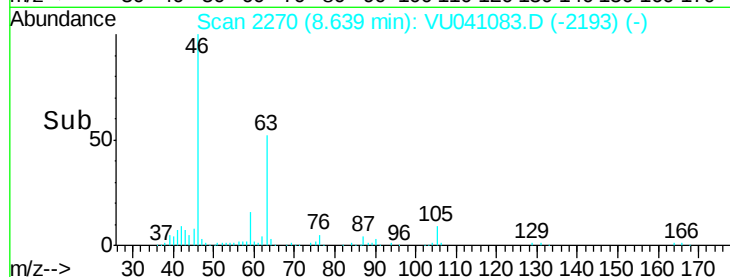
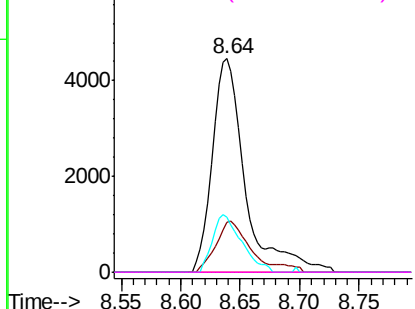
#48
2-Hexanone
Concen: 3.174 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041083.D
Acq: 03 Nov 2020 17:22

Instrument :
MSVOA_U
ClientSampleId :
C0AA0

Tot Ion: 43 Resp: 8591
Ion Ratio Lower Upper
43 100
58 23.5 41.4 62.2#
57 23.6 14.6 21.8#
100 0.0 8.3 12.5#

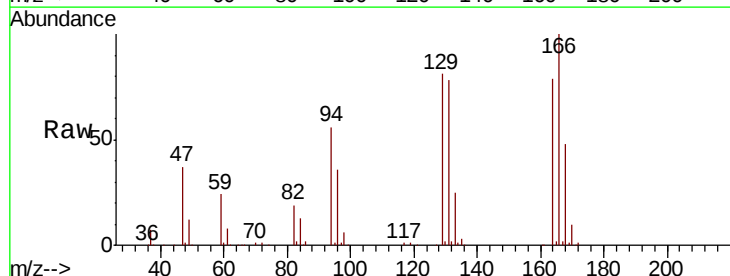


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

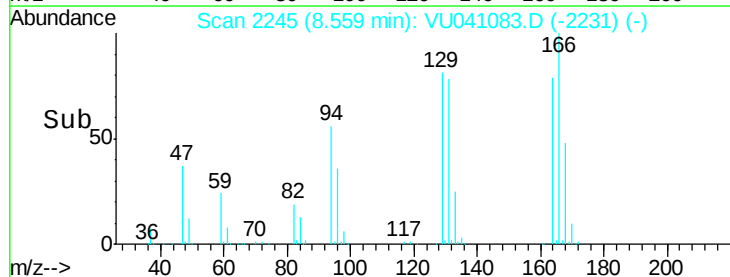
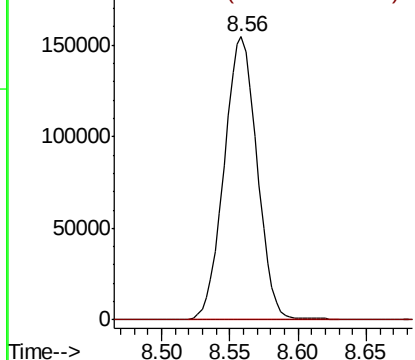


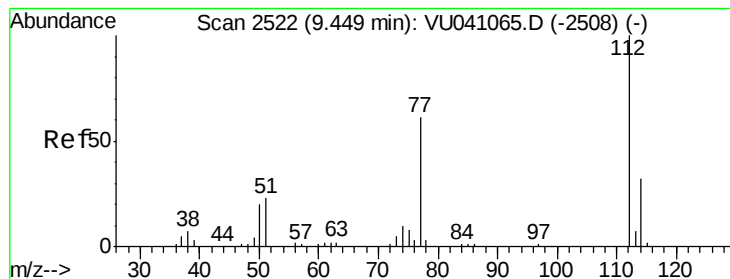
#49
Dibromochloromethane
Concen: 65.925 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.25 min
Lab File: VU041083.D
Acq: 03 Nov 2020 17:22

Tgt Ion: 129 Resp: 256914
Ion Ratio Lower Upper
129 100
127 0.1 53.4 99.2#



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





#51

Chlorobenzene

Concen: 0.069 ug/L

RT: 9.45 min Scan# 2523

Delta R.T. 0.00 min

Lab File: VU041083.D

Acq: 03 Nov 2020 17:22

Instrument :

MSVOA_U

ClientSampleId :

C0AA0

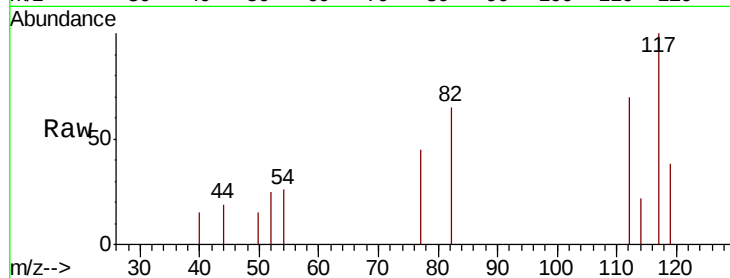
Tot Ion:112 Resp: 738

Ion Ratio Lower Upper

112 100

114 30.8 22.4 41.6

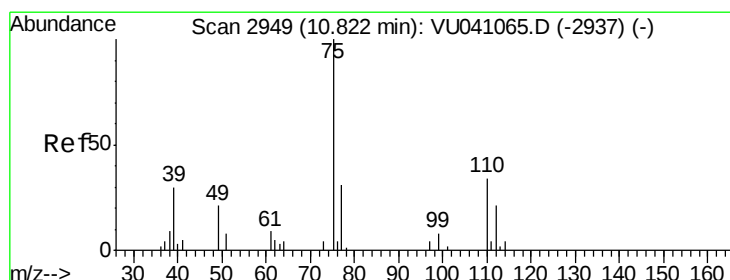
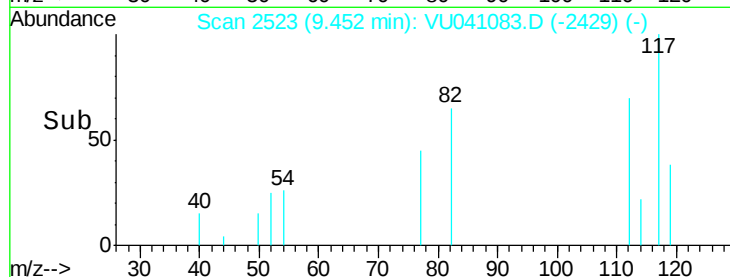
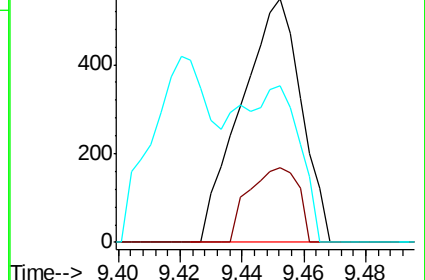
77 64.4 51.2 76.8



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V



#59

1,2,3-Trichloropropane

Concen: 1.025 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041083.D

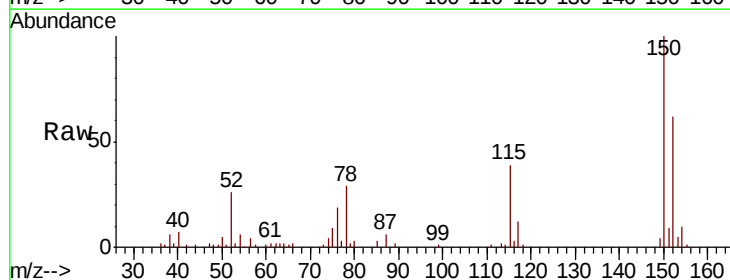
Acq: 03 Nov 2020 17:22

Tgt Ion: 75 Resp: 3443

Ion Ratio Lower Upper

75 100

77 37.1 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

