

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110620\
 Data File : VU041125.D
 Acq On : 06 Nov 2020 20:08
 Operator : SY/MD
 Sample : L4648-03DL 4X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AB0DL

Quant Time: Nov 06 23:13:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 06 23:04:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	60788	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	62898	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	27839	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	19359	3.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.80%
7) Chloroethane-d5	1.92	69	16622	4.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.80%
11) 1,1-Dichloroethene-d2	2.58	63	30164	3.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.20%
20) 2-Butanone-d5	4.65	46	85963	51.12	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.24%
24) Chloroform-d	5.08	84	44687	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.72	65	27499	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.74	84	79494	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
36) 1,2-Dichloropropane-d6	6.70	67	28711	5.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.80%
41) Toluene-d8	7.91	98	66549	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
43) trans-1,3-Dichloropropene-	8.19	79	10232	4.31	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.20%
46) 2-Hexanone-d5	8.64	63	60267	47.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.30%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	24771	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	28180	5.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.94	64	269	0.074	ug/L #	43
9) Trichlorofluoromethane	2.15	101	22296	2.873	ug/L	96
16) Methylene chloride	3.06	84	1493	0.298	ug/L	99
22) cis-1,2-Dichloroethene	4.68	96	1397	0.310	ug/L	91
25) Chloroform	5.11	83	1187	0.136	ug/L	100
27) 1,2-Dichloroethane	5.74	62	500	0.077	ug/L #	74
31) Carbon tetrachloride	5.54	117	404	0.059	ug/L #	45
33) Benzene	5.74	78	684	0.036	ug/L	100
34) Trichloroethene	6.56	95	734	0.153	ug/L	82
35) Methylcyclohexane	6.70	83	6418	0.900	ug/L #	14
37) 1,2-Dichloropropane	6.71	63	3382	0.665	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	751	0.107	ug/L #	73
44) trans-1,3-Dichloropropene	8.19	75	553	0.084	ug/L #	74
47) Tetrachloroethene	8.56	164	18125	5.154	ug/L	97
48) 2-Hexanone	8.64	43	9855	3.228	ug/L #	69
49) Dibromochloromethane	8.56	129	18507	4.210	ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	3614	0.954	ug/L	92

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 06 23:04:51 2020
Response via : Initial Calibration

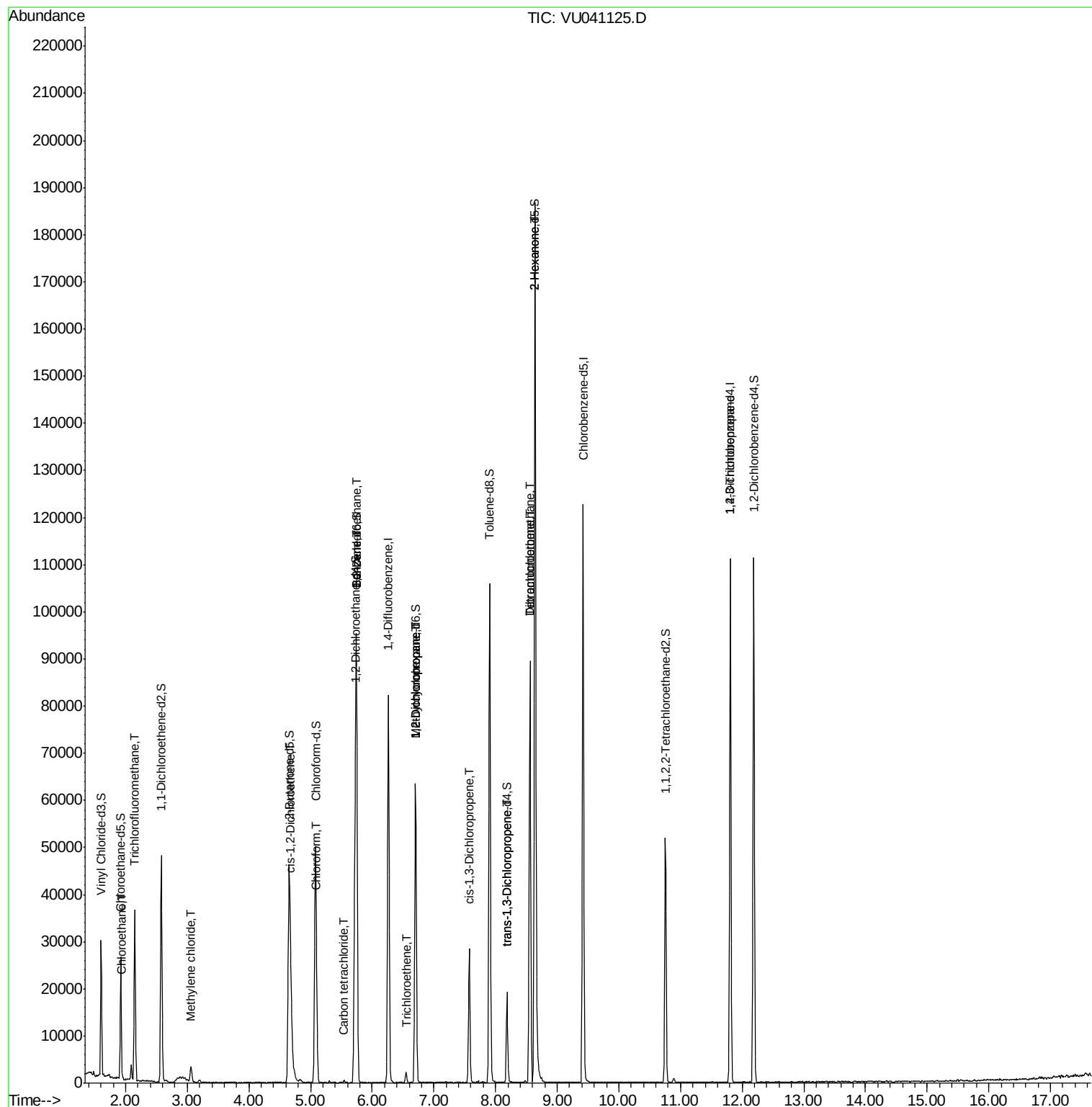
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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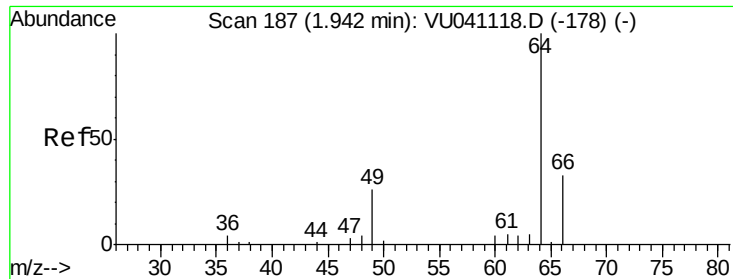
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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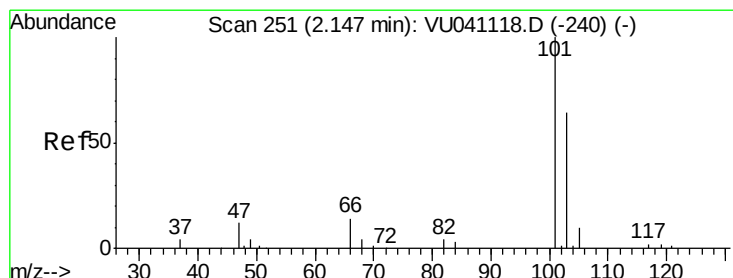
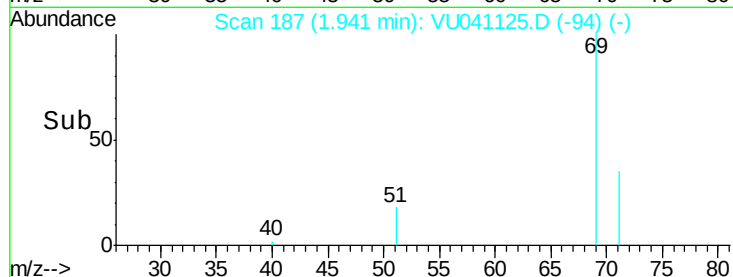
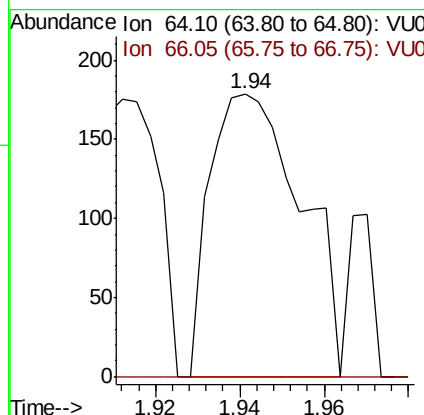
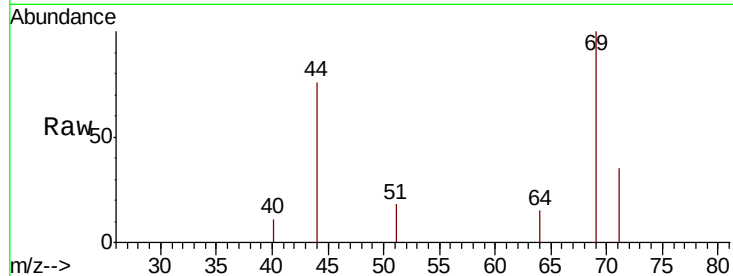




#8
 Chloroethane
 Concen: 0.074 ug/L
 RT: 1.94 min Scan# 187
 Delta R.T. -0.00 min
 Lab File: VU041125.D
 Acq: 06 Nov 2020 20:08

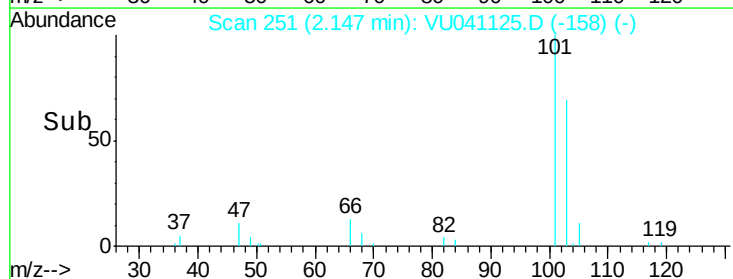
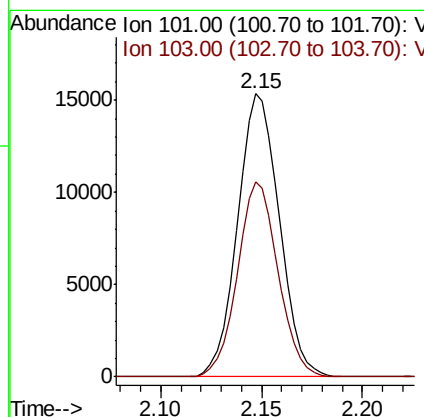
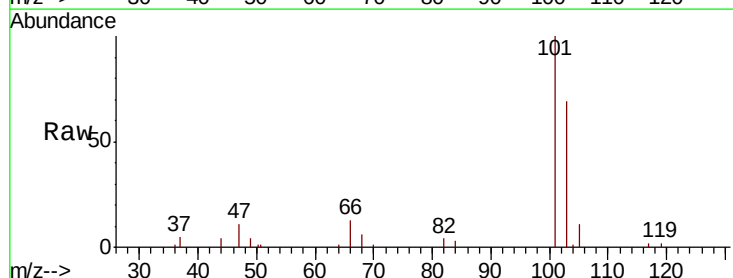
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AB0DL

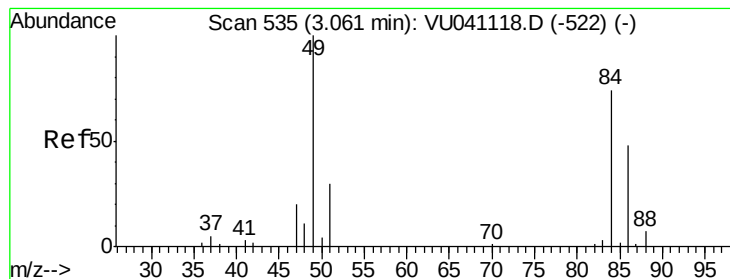
Tot Ion: 64 Resp: 269
 Ion Ratio Lower Upper
 64 100
 66 0.0 22.3 41.5#



#9
 Trichlorofluoromethane
 Concen: 2.873 ug/L
 RT: 2.15 min Scan# 251
 Delta R.T. -0.00 min
 Lab File: VU041125.D
 Acq: 06 Nov 2020 20:08

Tgt Ion: 101 Resp: 22296
 Ion Ratio Lower Upper
 101 100
 103 66.6 51.0 76.4





#16

Methylene chloride

Concen: 0.298 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU041125.D

Acq: 06 Nov 2020 20:08

Instrument :

MSVOA_U

ClientSampleId :

C0AB0DL

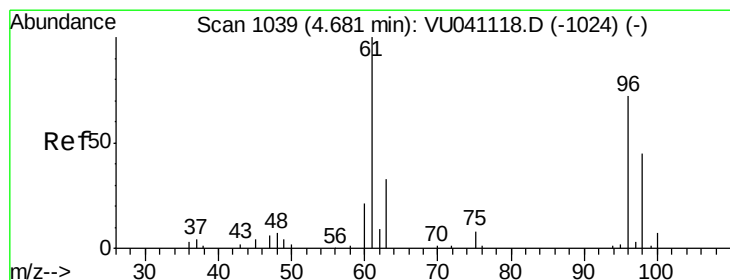
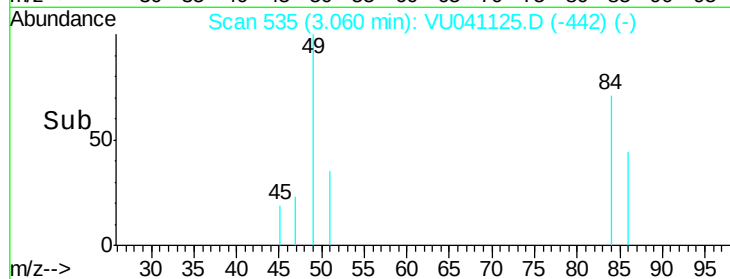
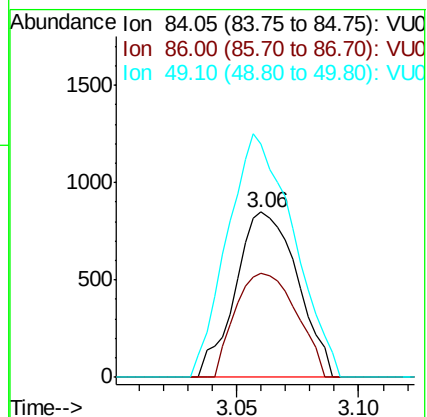
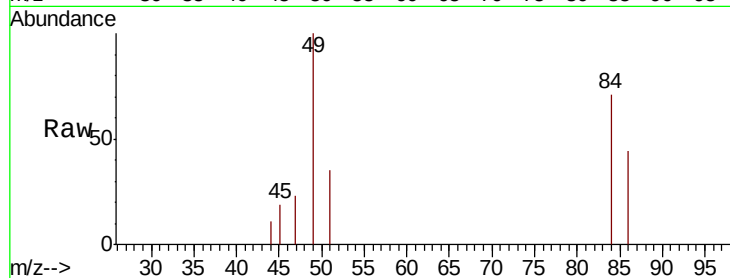
Tot Ion: 84 Resp: 1493

Ion Ratio Lower Upper

84 100

86 62.9 42.8 79.6

49 141.6 99.5 184.7



#22

cis-1,2-Dichloroethene

Concen: 0.310 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VU041125.D

Acq: 06 Nov 2020 20:08

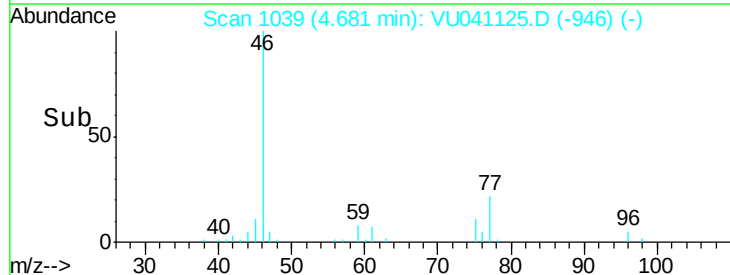
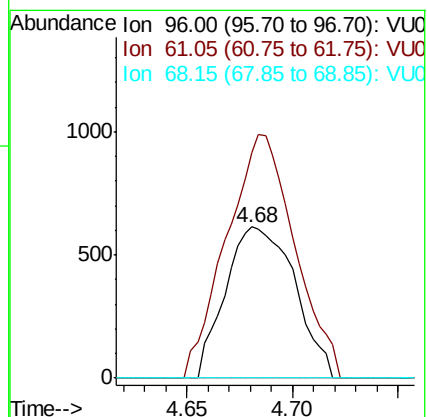
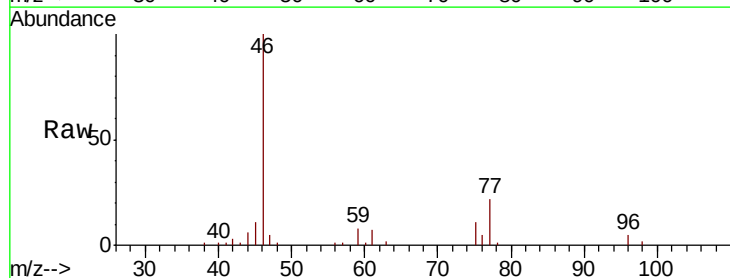
Tgt Ion: 96 Resp: 1397

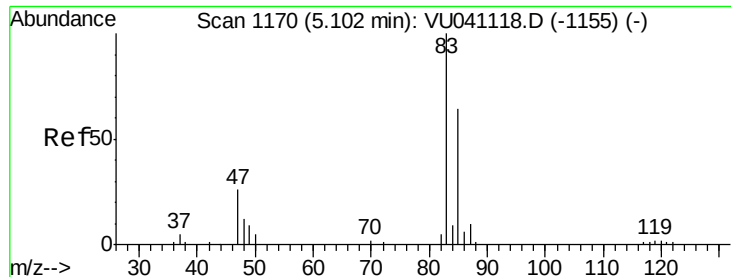
Ion Ratio Lower Upper

96 100

61 149.8 97.2 180.4

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.136 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VU041125.D

Acq: 06 Nov 2020 20:08

Instrument :

MSVOA_U

ClientSampleId :

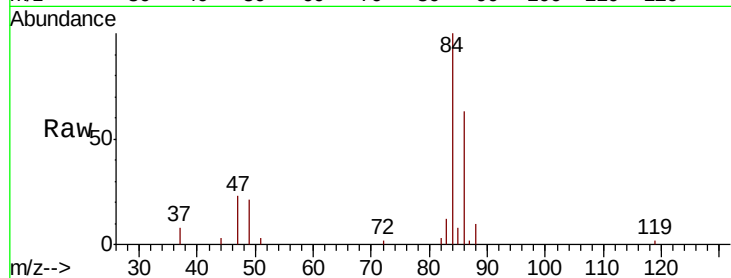
C0AB0DL

Tot Ion: 83 Resp: 1187

Ion Ratio Lower Upper

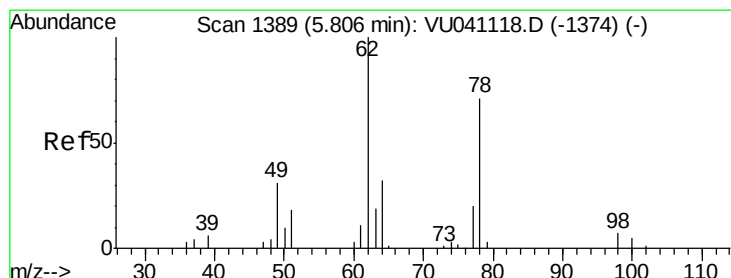
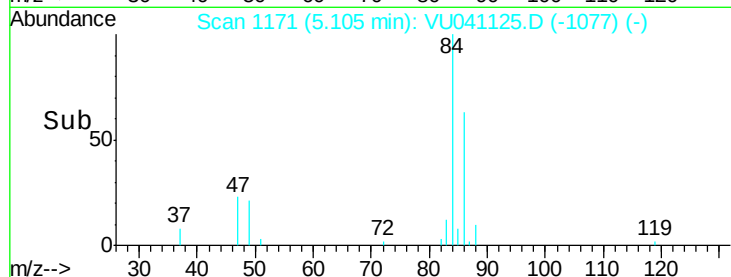
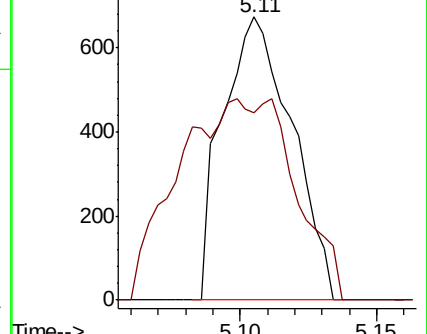
83 100

85 66.1 46.1 85.7



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0



#27

1,2-Dichloroethane

Concen: 0.077 ug/L

RT: 5.74 min Scan# 1370

Delta R.T. -0.06 min

Lab File: VU041125.D

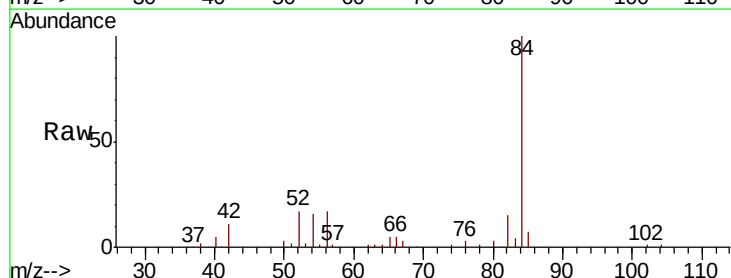
Acq: 06 Nov 2020 20:08

Tgt Ion: 62 Resp: 500

Ion Ratio Lower Upper

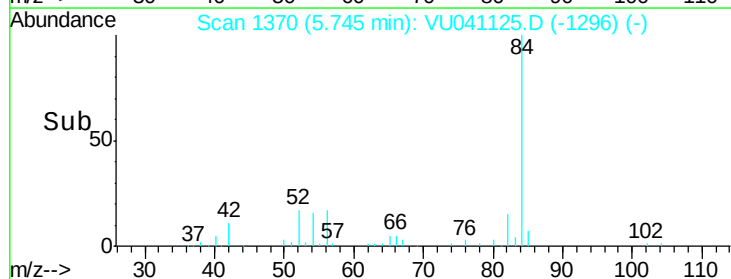
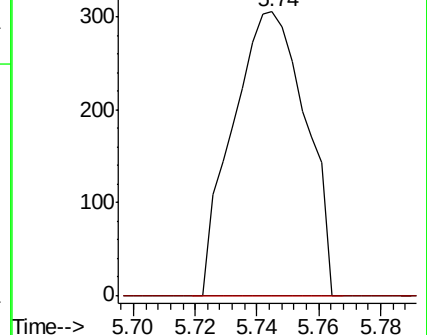
62 100

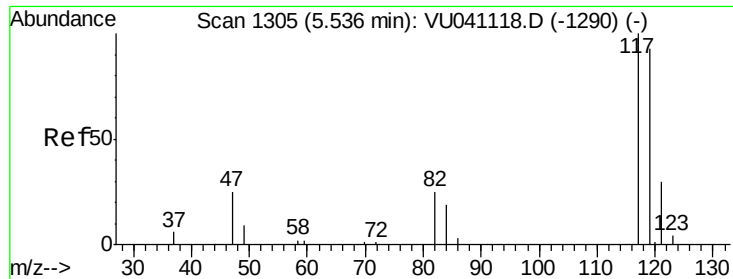
98 0.0 7.6 11.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0





#31

Carbon tetrachloride

Concen: 0.059 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU041125.D

Acq: 06 Nov 2020 20:08

Instrument :

MSVOA_U

ClientSampleId :

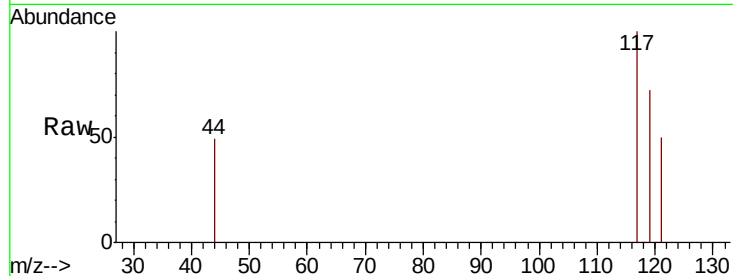
C0AB0DL

Tot Ion:117 Resp: 404

Ion Ratio Lower Upper

117 100

119 41.6 76.1 114.1#



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.54

250

200

150

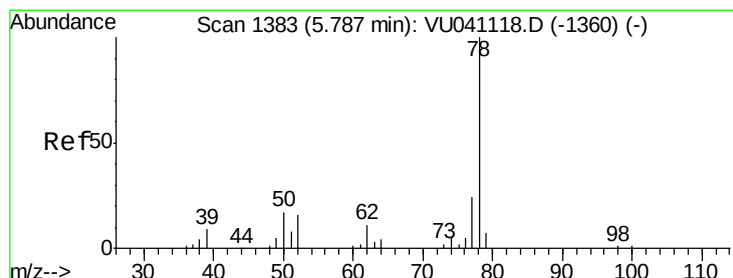
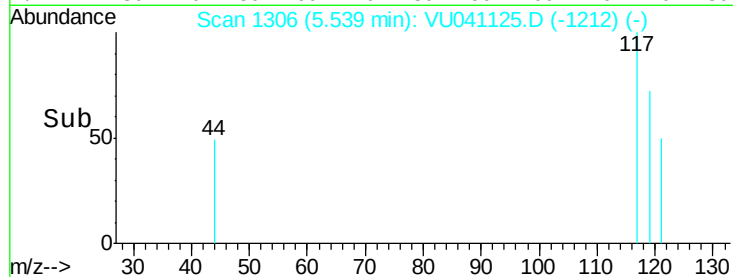
100

50

0

5.50 5.52 5.54 5.56

Time-->



#33

Benzene

Concen: 0.036 ug/L

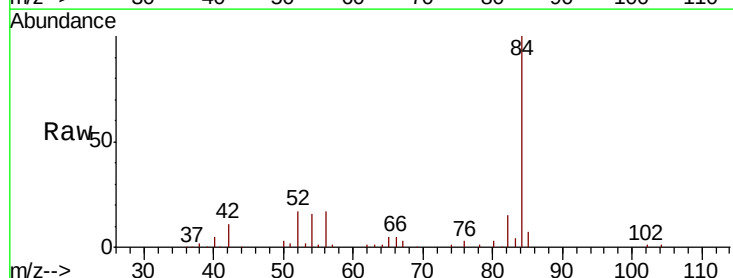
RT: 5.74 min Scan# 1370

Delta R.T. -0.04 min

Lab File: VU041125.D

Acq: 06 Nov 2020 20:08

Tgt Ion: 78 Resp: 684



Abundance Ion 78.10 (77.80 to 78.80): VU0

400

300

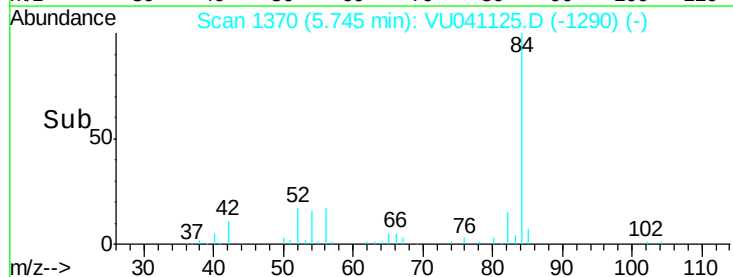
200

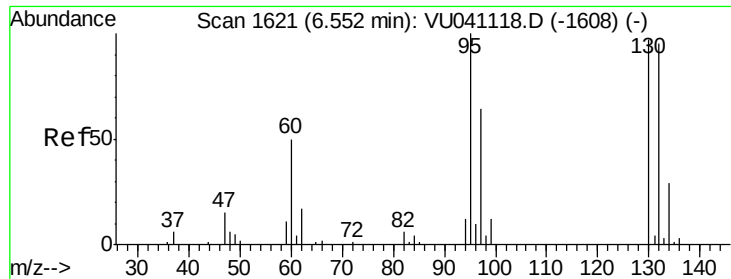
100

0

5.70 5.75

Time-->

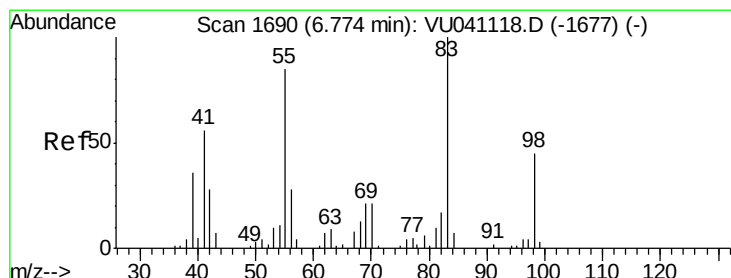
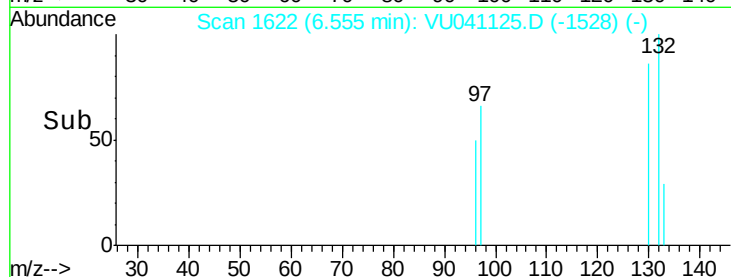
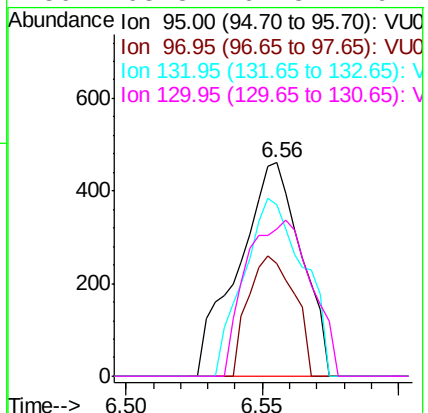
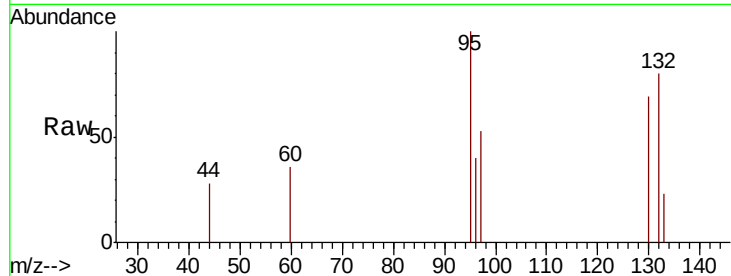




#34
 Trichloroethene
 Concen: 0.153 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU041125.D
 Acq: 06 Nov 2020 20:08

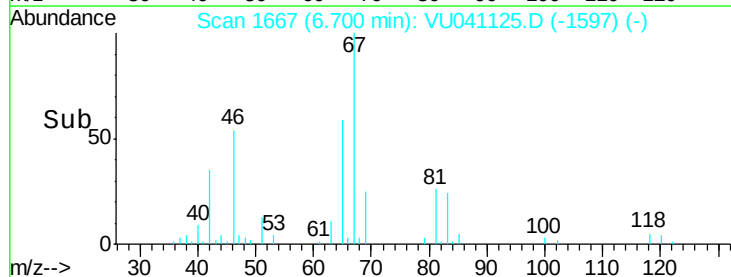
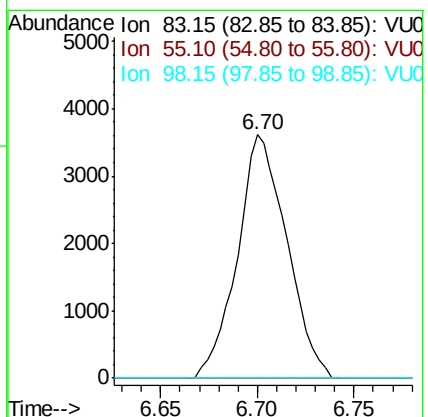
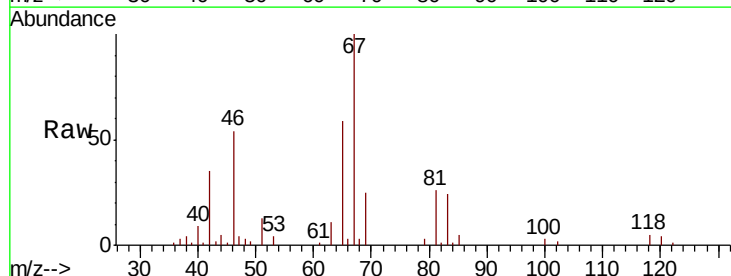
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AB0DL

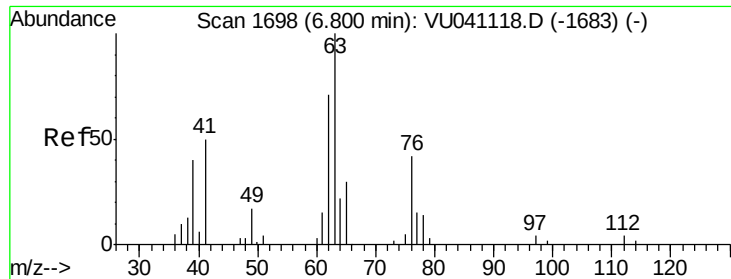
Tot Ion: 95 Resp: 734
 Ion Ratio Lower Upper
 95 100
 97 52.7 45.6 84.6
 132 80.0 64.8 120.4
 130 68.8 64.8 120.4



#35
 Methylcyclohexane
 Concen: 0.900 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.07 min
 Lab File: VU041125.D
 Acq: 06 Nov 2020 20:08

Tgt Ion: 83 Resp: 6418
 Ion Ratio Lower Upper
 83 100
 55 0.0 72.0 108.0#
 98 2.1 36.6 55.0#

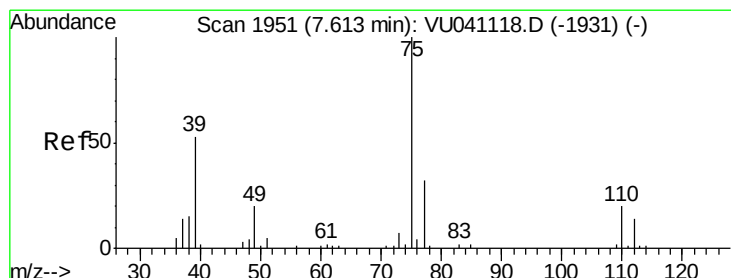
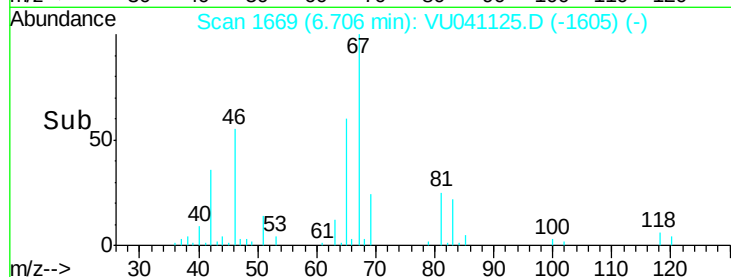
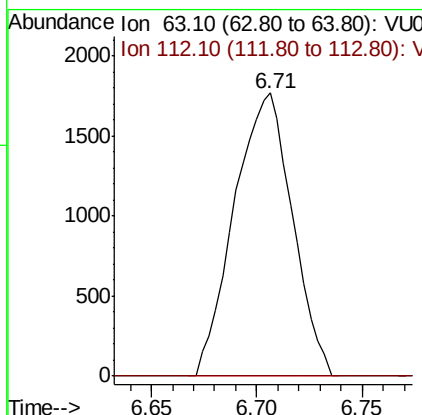
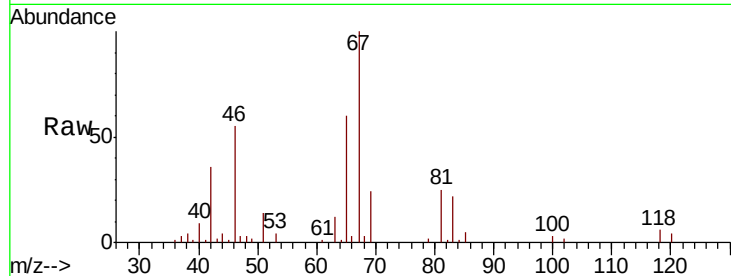




#37
 1,2-Dichloropropane
 Concen: 0.665 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.09 min
 Lab File: VU041125.D
 Acq: 06 Nov 2020 20:08

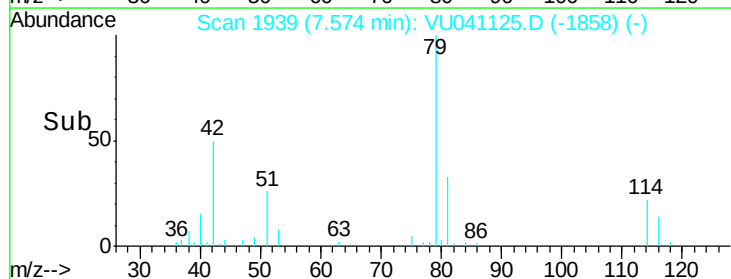
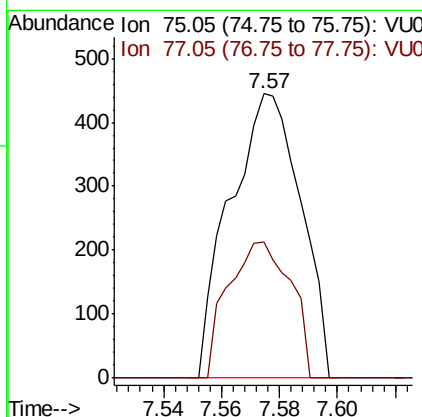
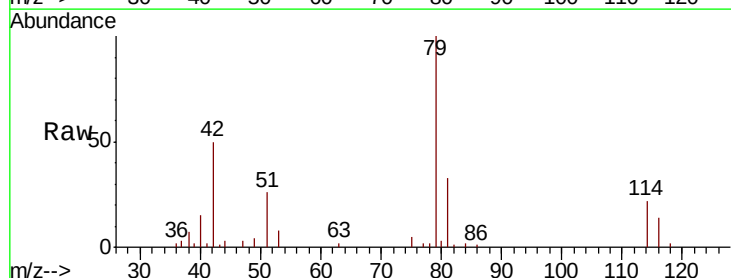
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AB0DL

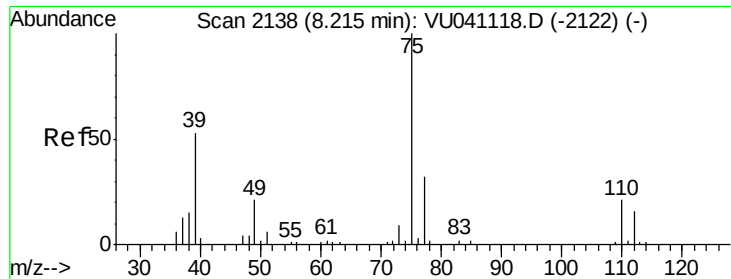
Tot Ion: 63 Resp: 3382
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.107 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041125.D
 Acq: 06 Nov 2020 20:08

Tgt Ion: 75 Resp: 751
 Ion Ratio Lower Upper
 75 100
 77 47.6 22.7 42.3#

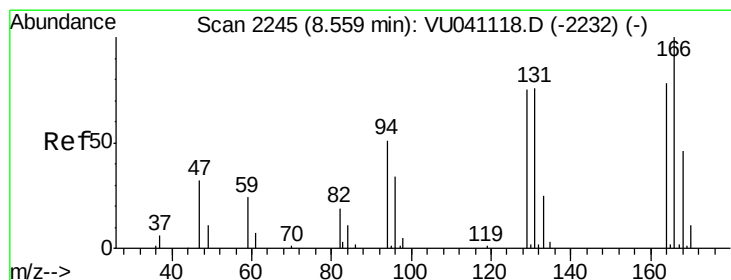
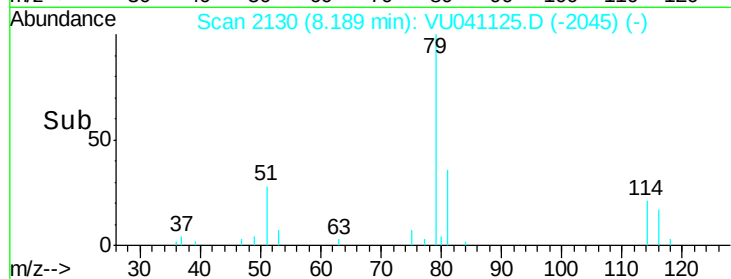
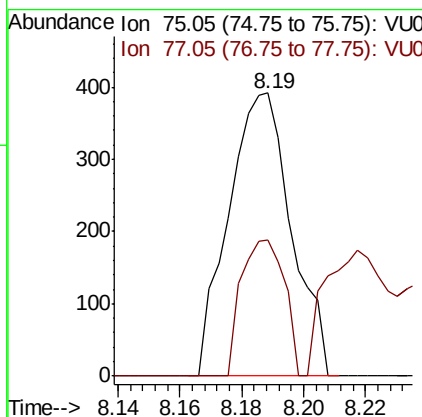
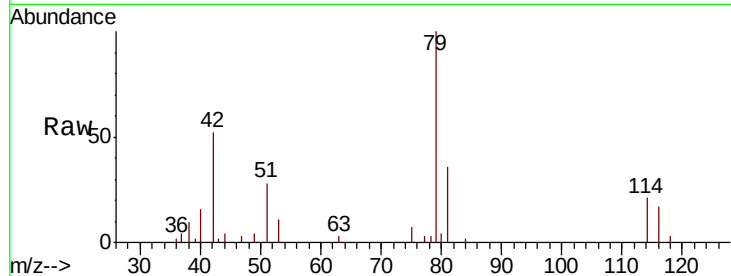




#44
trans-1,3-Dichloropropene
Concen: 0.084 ug/L
RT: 8.19 min Scan# 2130
Delta R.T. -0.03 min
Lab File: VU041125.D
Acq: 06 Nov 2020 20:08

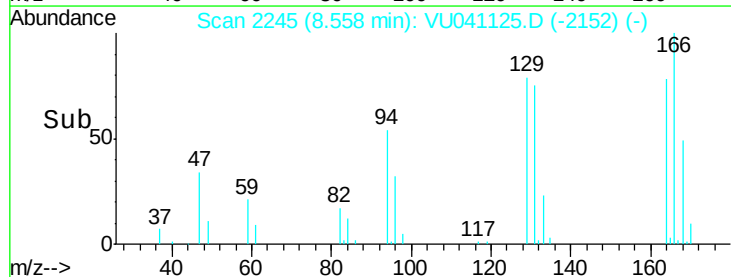
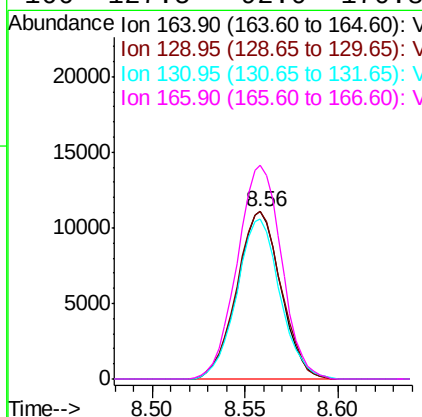
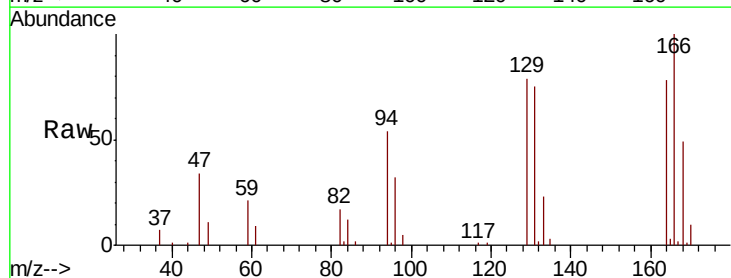
Instrument :
MSVOA_U
ClientSampleId :
C0AB0DL

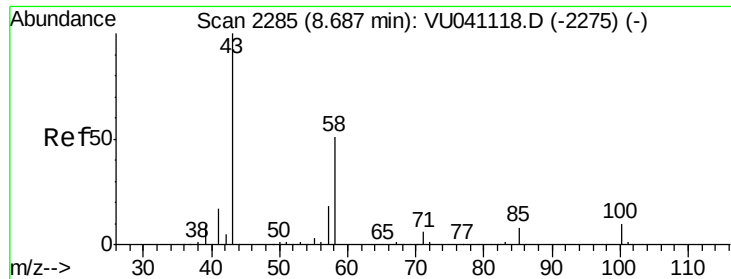
Tot Ion: 75 Resp: 553
Ion Ratio Lower Upper
75 100
77 48.2 23.3 43.3#



#47
Tetrachloroethene
Concen: 5.154 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VU041125.D
Acq: 06 Nov 2020 20:08

Tgt Ion:164 Resp: 18125
Ion Ratio Lower Upper
164 100
129 100.1 70.3 130.7
131 95.5 70.8 131.4
166 127.5 92.0 170.8

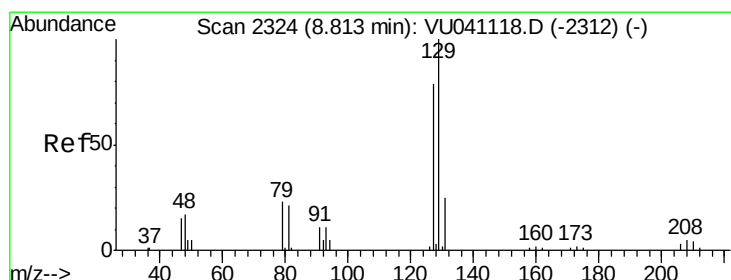
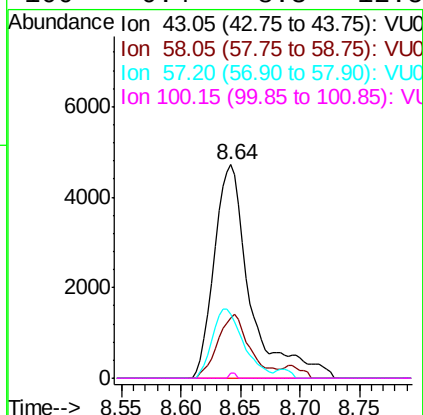
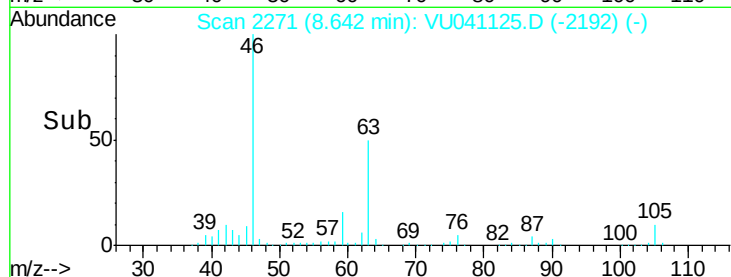
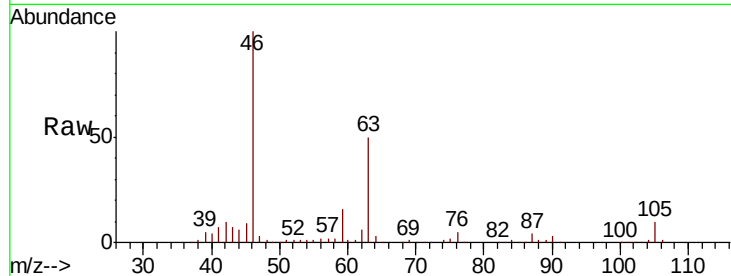




#48
2-Hexanone
Concen: 3.228 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU041125.D
Acq: 06 Nov 2020 20:08

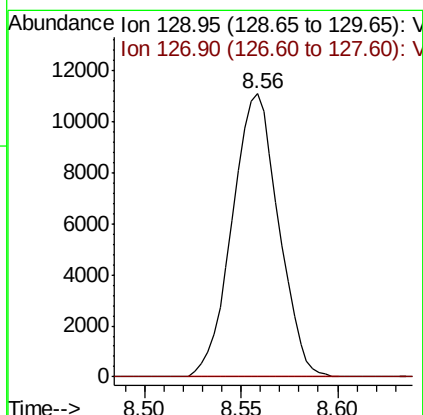
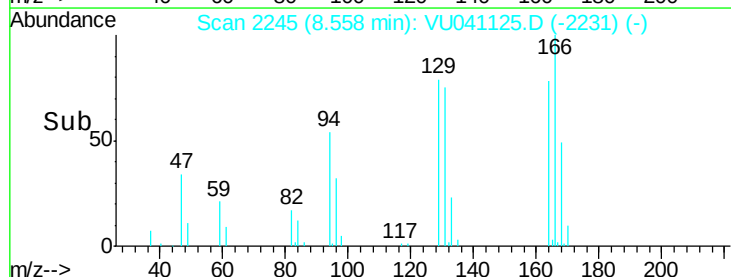
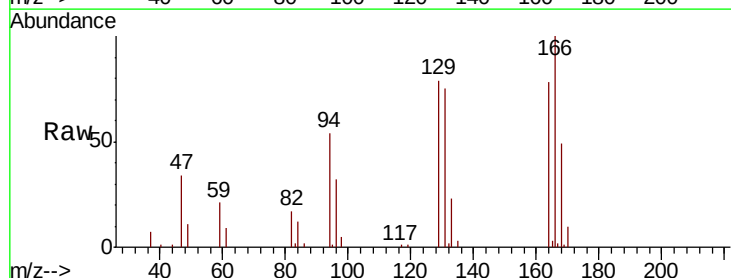
Instrument :
MSVOA_U
ClientSampleId :
C0AB0DL

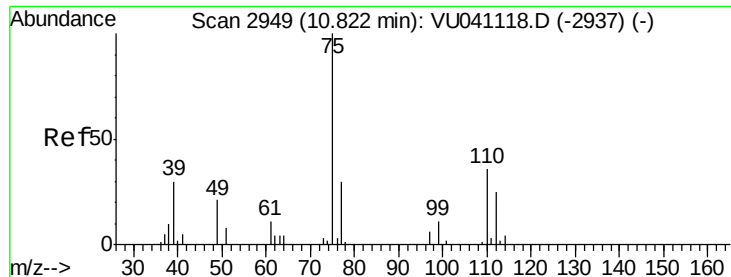
Tot Ion:	43	Resp:	9855
Ion	Ratio	Lower	Upper
43	100		
58	27.0	41.4	62.2#
57	28.3	14.6	21.8#
100	0.4	8.3	12.5#



#49
Dibromochloromethane
Concen: 4.210 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.25 min
Lab File: VU041125.D
Acq: 06 Nov 2020 20:08

Tgt Ion:	129	Resp:	18507
Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.4	99.2#





#59

1,2,3-Trichloropropane

Concen: 0.954 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041125.D

Acq: 06 Nov 2020 20:08

Instrument :

MSVOA_U

ClientSampleId :

C0AB0DL

Tot Ion: 75 Resp: 3614

Ion Ratio Lower Upper

75 100

77 36.5 25.7 38.5

