

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121520\
 Data File : VU041631.D
 Acq On : 15 Dec 2020 13:09
 Operator : SY/MD
 Sample : L5029-04 50X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB1K4

Quant Time: Dec 16 02:45:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 16 02:41:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	130898	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	129987	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	60872	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	27950	2.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	54.60%
7) Chloroethane-d5	1.92	69	30343	3.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.60%
11) 1,1-Dichloroethene-d2	2.58	63	46227	2.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	49.00%#
20) 2-Butanone-d5	4.66	46	125460	42.68	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.36%
24) Chloroform-d	5.08	84	72693	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.00%
26) 1,2-Dichloroethane-d4	5.71	65	43252	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
32) Benzene-d6	5.74	84	140555	3.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.60%
36) 1,2-Dichloropropane-d6	6.70	67	46041	3.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.00%
41) Toluene-d8	7.90	98	119182	3.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.00%
43) trans-1,3-Dichloropropene-	8.18	79	18740	3.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	71.40%
46) 2-Hexanone-d5	8.64	63	102063	35.58	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	71.16%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	45352	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	48329	4.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.40%

Target Compounds

					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	447	0.050 ug/L #	22
16) Methylene chloride	3.06	84	1572	0.148 ug/L	76
27) 1,2-Dichloroethane	5.74	62	652	0.056 ug/L #	73
33) Benzene	5.78	78	1197	0.029 ug/L	100
34) Trichloroethene	6.56	95	1104	0.106 ug/L	96
35) Methylcyclohexane	6.70	83	10944	0.648 ug/L #	20
37) 1,2-Dichloropropane	6.70	63	4674	0.440 ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1136	0.072 ug/L #	65
42) Toluene	7.97	91	1582	0.037 ug/L	96
44) trans-1,3-Dichloropropene	8.18	75	628	0.045 ug/L #	75
45) 1,1,2-Trichloroethane	8.55	97	2291	0.291 ug/L #	1
47) Tetrachloroethene	8.56	164	261389	35.744 ug/L	97
48) 2-Hexanone	8.64	43	11316	2.055 ug/L #	66
49) Dibromochloromethane	8.56	129	249814	27.657 ug/L #	10
51) Chlorobenzene	9.45	112	2033	0.076 ug/L #	84
59) 1,2,3-Trichloropropane	11.81	75	6734	0.843 ug/L	100

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Dec 16 02:41:48 2020
Response via : Initial Calibration

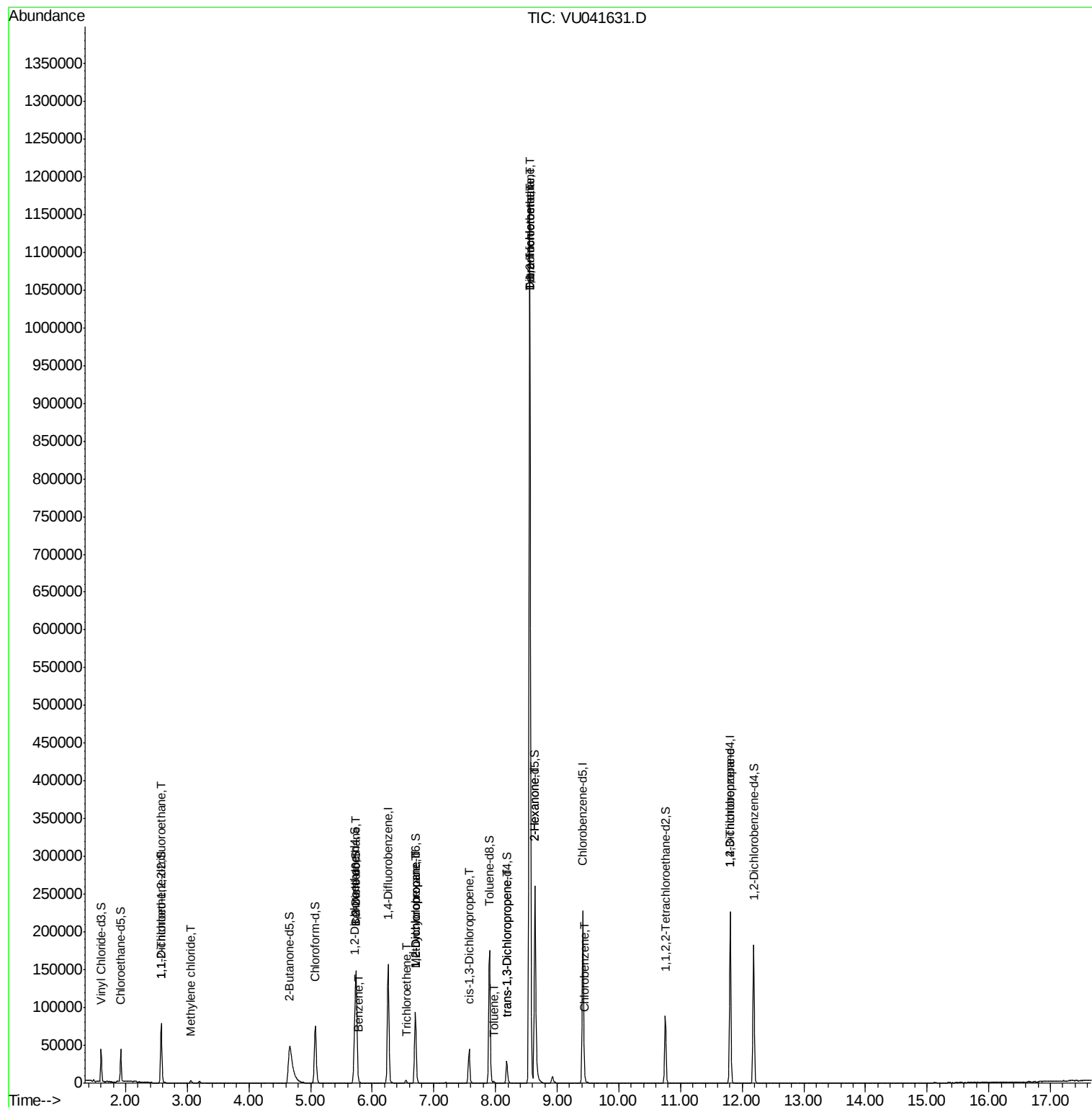
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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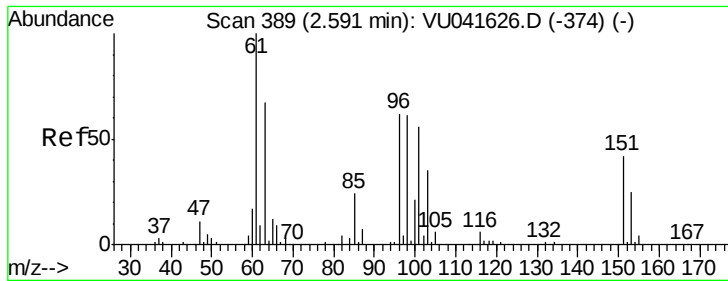
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121520\
Data File : VU041631.D
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Response via : Initial Calibration





#10

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

Concen: 0.050 ug/L

RT: 2.57 min Scan# 383

Delta R.T. -0.02 min

Lab File: VU041631.D

Acq: 15 Dec 2020 13:09

Instrument :

MSVOA_U

ClientSampleId :

GB1K4

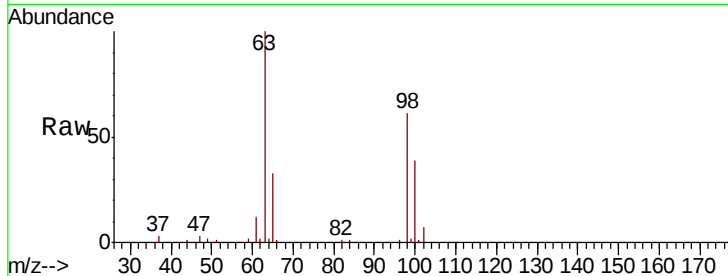
Tot Ion:101 Resp: 447

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

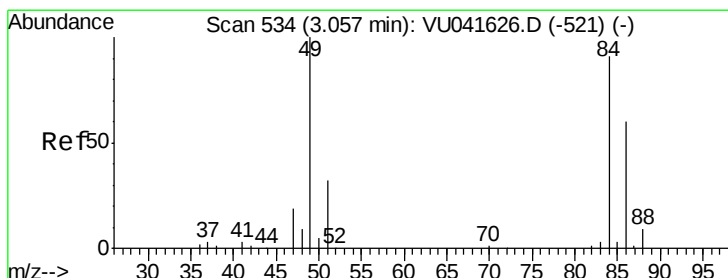
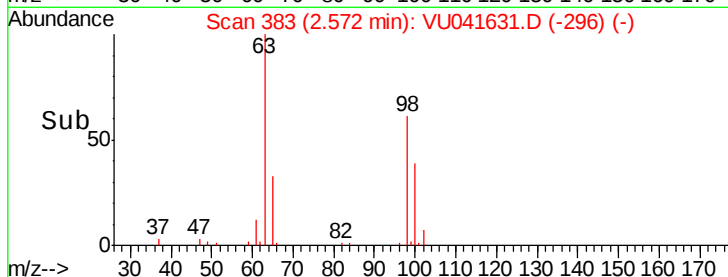
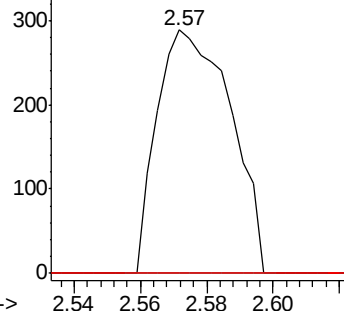
151 0.0 56.2 84.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#16

Methylene chloride

Concen: 0.148 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041631.D

Acq: 15 Dec 2020 13:09

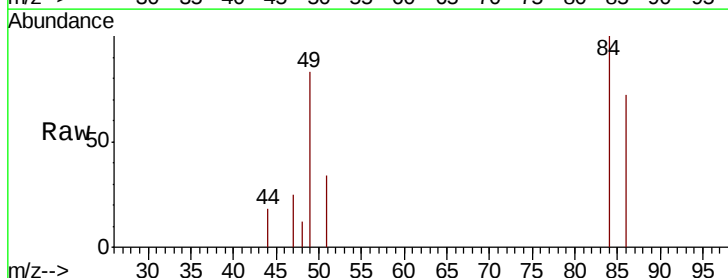
Tgt Ion: 84 Resp: 1572

Ion Ratio Lower Upper

84 100

86 71.9 45.1 83.7

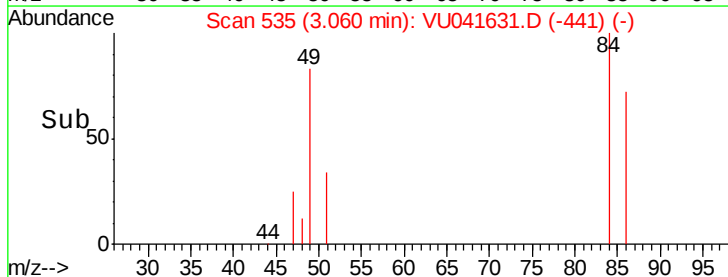
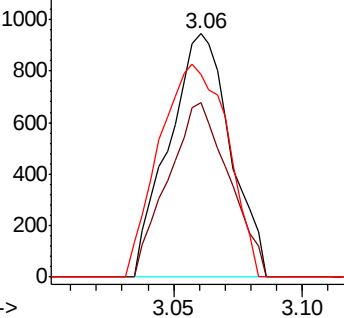
49 83.5 83.1 154.3

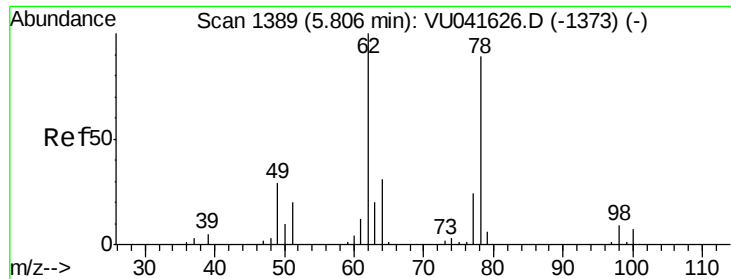


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

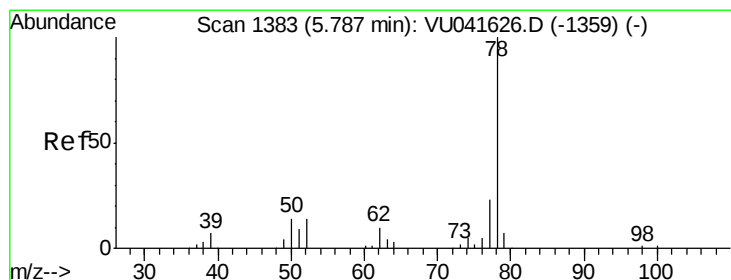
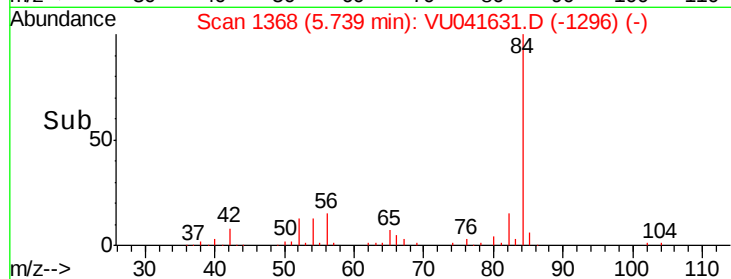
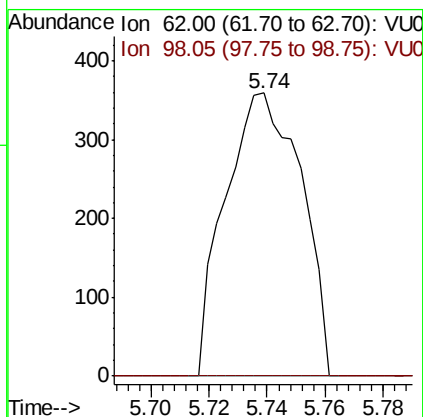
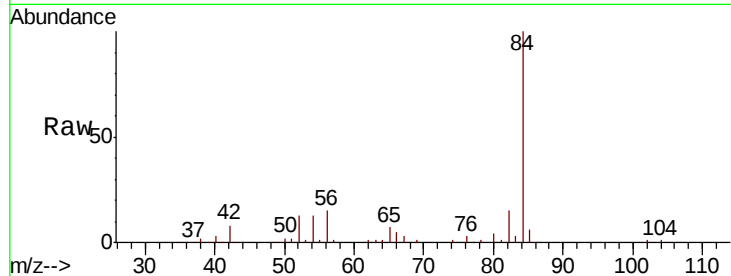




#27
 1,2-Dichloroethane
 Concen: 0.056 ug/L
 RT: 5.74 min Scan# 1368
 Delta R.T. -0.07 min
 Lab File: VU041631.D
 Acq: 15 Dec 2020 13:09

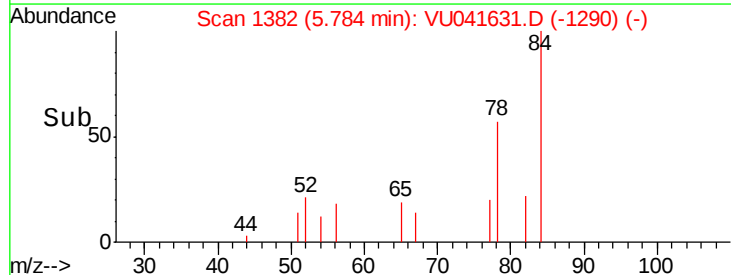
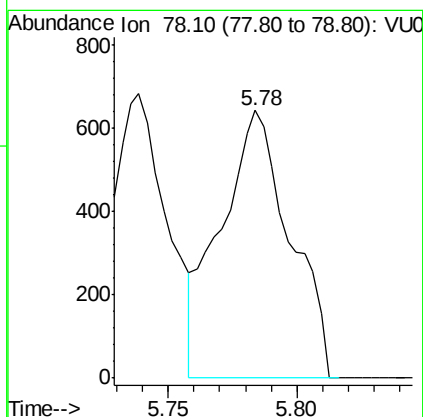
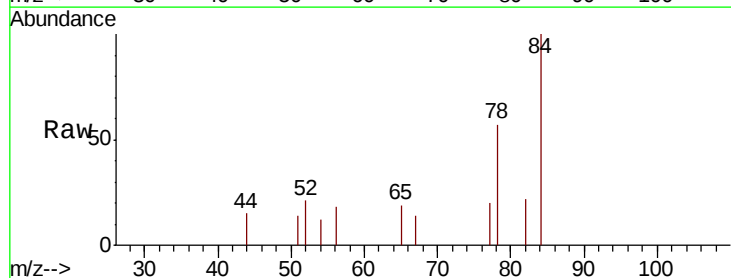
Instrument :
 MSVOA_U
 ClientSampleId :
 GB1K4

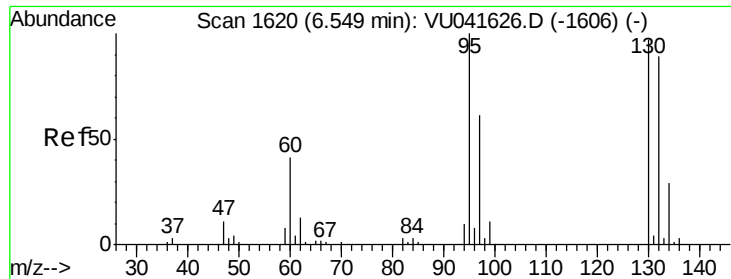
Tot Ion: 62 Resp: 652
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.2#



#33
 Benzene
 Concen: 0.029 ug/L
 RT: 5.78 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VU041631.D
 Acq: 15 Dec 2020 13:09

Tgt Ion: 78 Resp: 1197





#34

Trichloroethene

Concen: 0.106 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.01 min

Lab File: VU041631.D

Acq: 15 Dec 2020 13:09

Instrument :

MSVOA_U

ClientSampleId :

GB1K4

Tot Ion: 95 Resp: 1104

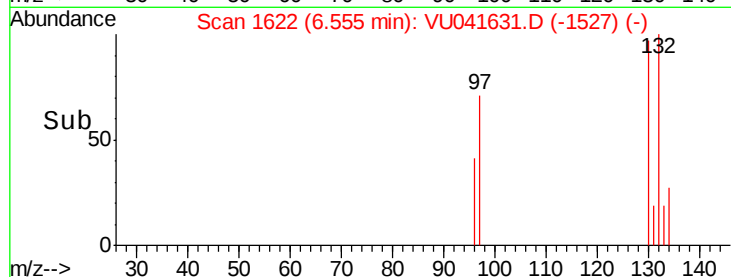
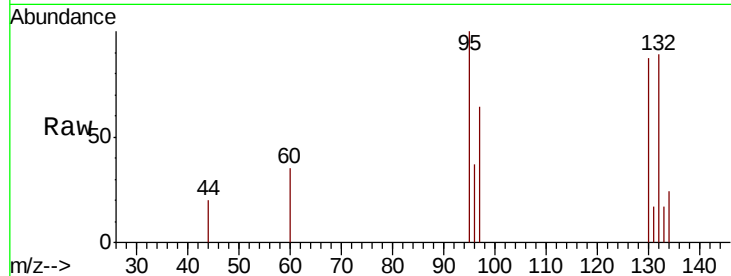
Ion Ratio Lower Upper

95 100

97 63.7 43.9 81.5

132 89.4 63.1 117.3

130 86.7 67.4 125.2

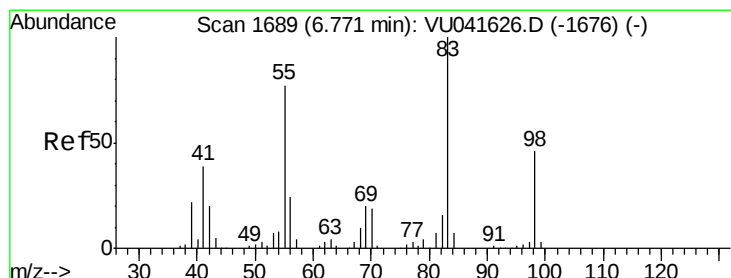
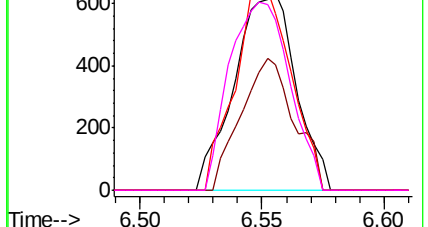


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.648 ug/L

RT: 6.70 min Scan# 1666

Delta R.T. -0.07 min

Lab File: VU041631.D

Acq: 15 Dec 2020 13:09

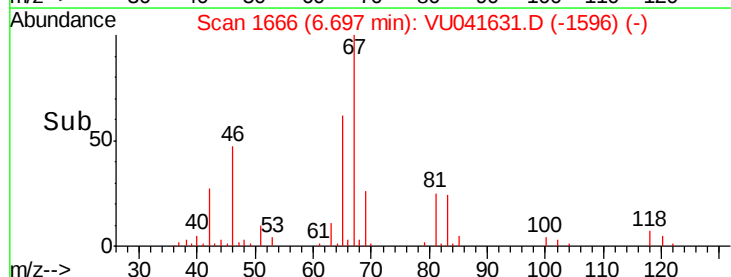
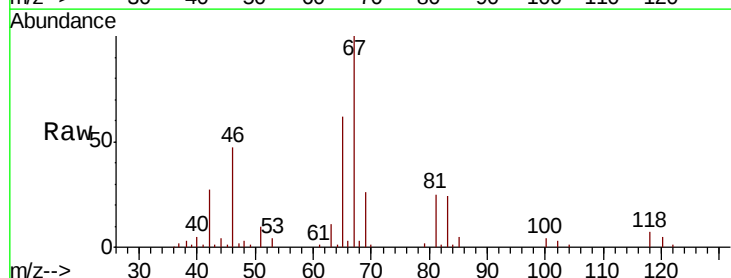
Tgt Ion: 83 Resp: 10944

Ion Ratio Lower Upper

83 100

55 0.0 61.2 91.8#

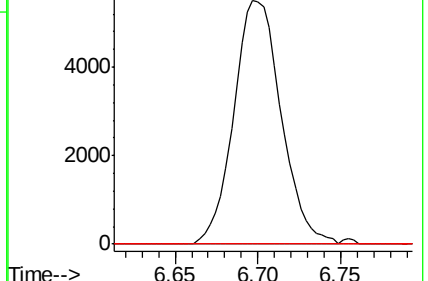
98 3.4 36.6 54.8#

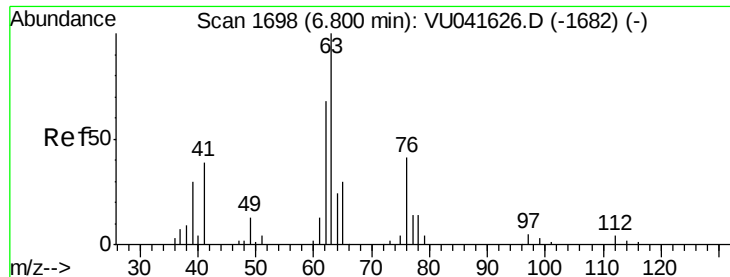


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

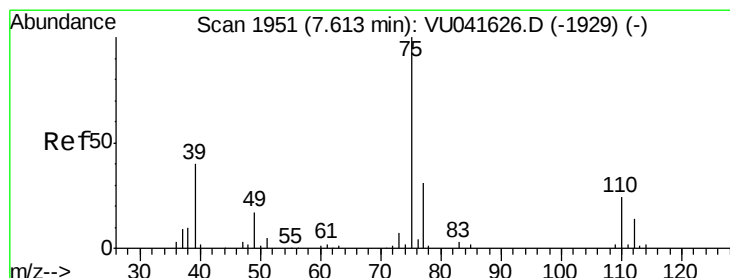
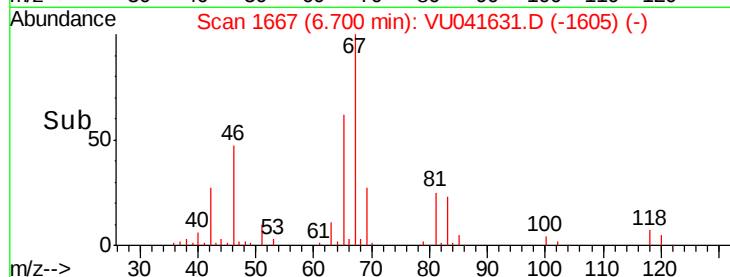
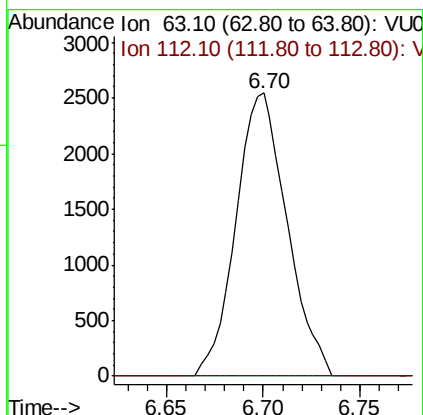
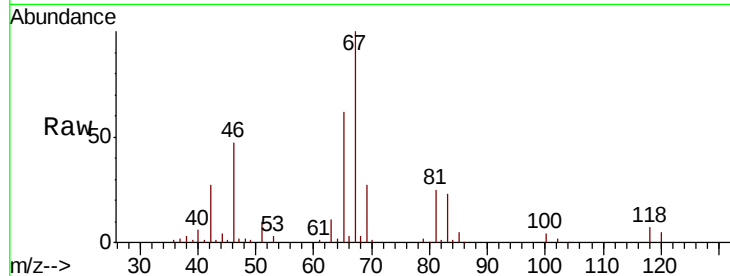




#37
 1,2-Dichloropropane
 Concen: 0.440 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU041631.D
 Acq: 15 Dec 2020 13:09

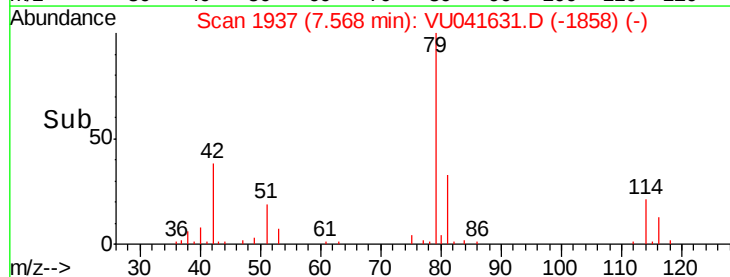
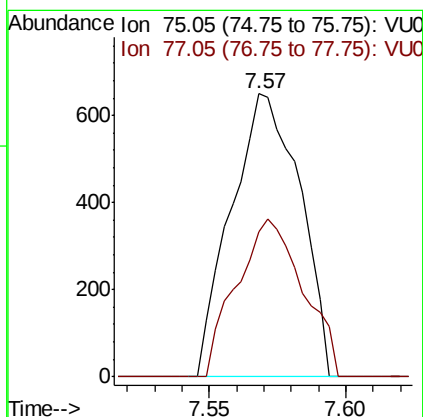
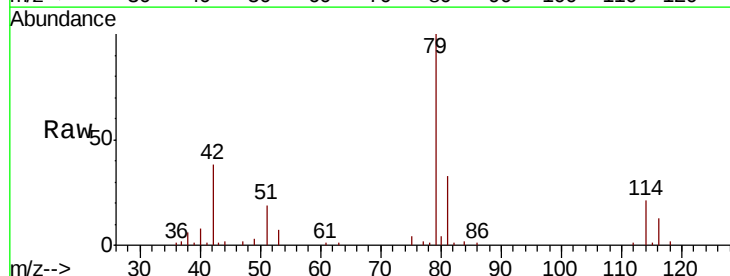
Instrument :
 MSVOA_U
 ClientSampleId :
 GB1K4

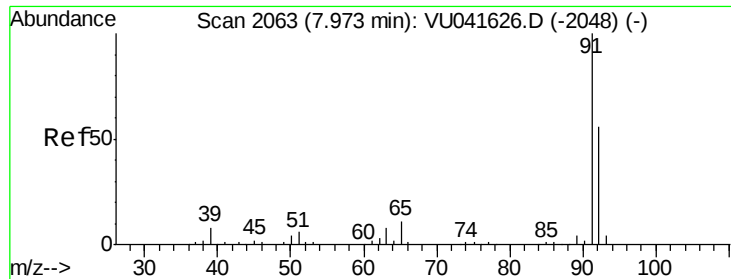
Tot Ion: 63 Resp: 4674
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.072 ug/L
 RT: 7.57 min Scan# 1937
 Delta R.T. -0.04 min
 Lab File: VU041631.D
 Acq: 15 Dec 2020 13:09

Tgt Ion: 75 Resp: 1136
 Ion Ratio Lower Upper
 75 100
 77 51.4 22.3 41.3#





#42

Toluene

Concen: 0.037 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU041631.D

Acq: 15 Dec 2020 13:09

Instrument :

MSVOA_U

ClientSampleId :

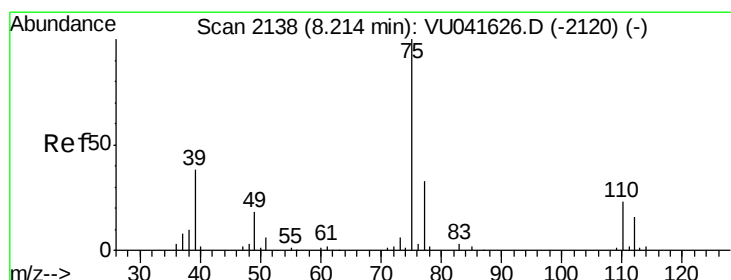
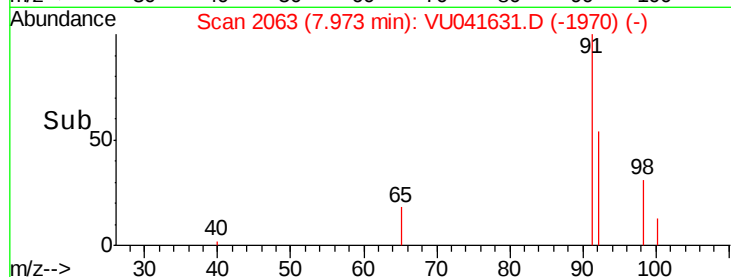
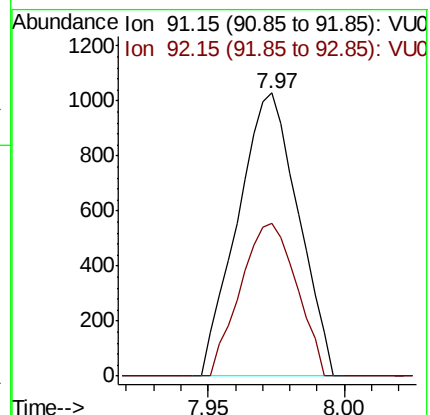
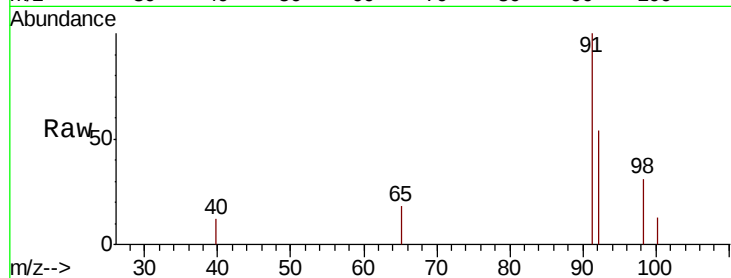
GB1K4

Tot Ion: 91 Resp: 1582

Ion Ratio Lower Upper

91 100

92 54.2 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 0.045 ug/L

RT: 8.18 min Scan# 2127

Delta R.T. -0.04 min

Lab File: VU041631.D

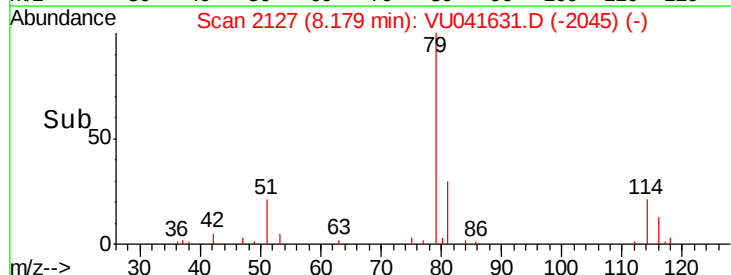
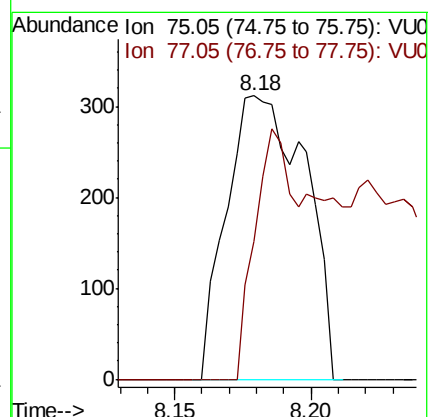
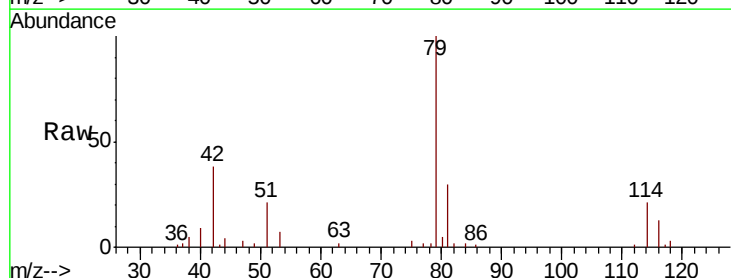
Acq: 15 Dec 2020 13:09

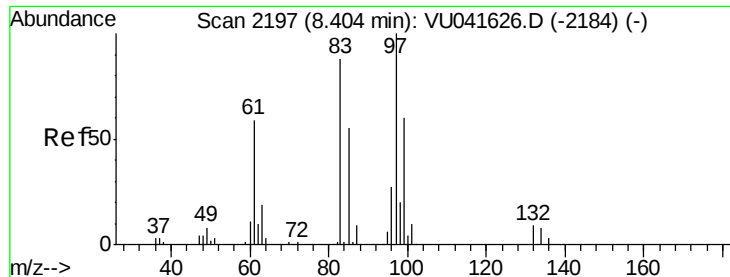
Tgt Ion: 75 Resp: 628

Ion Ratio Lower Upper

75 100

77 48.4 23.8 44.2#





#45

1,1,2-Trichloroethane

Concen: 0.291 ug/L

RT: 8.55 min Scan# 2243

Delta R.T. 0.15 min

Lab File: VU041631.D

Acq: 15 Dec 2020 13:09

Instrument :

MSVOA_U

ClientSampled :

GB1K4

Tot Ion: 97 Resp: 2291

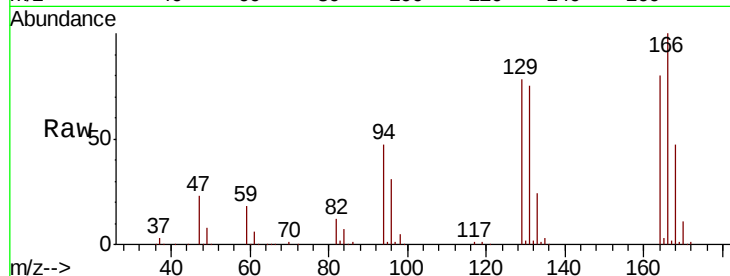
Ion Ratio Lower Upper

97 100

99 12.1 42.1 78.3#

83 285.7 62.6 116.2#

85 41.0 39.1 72.7



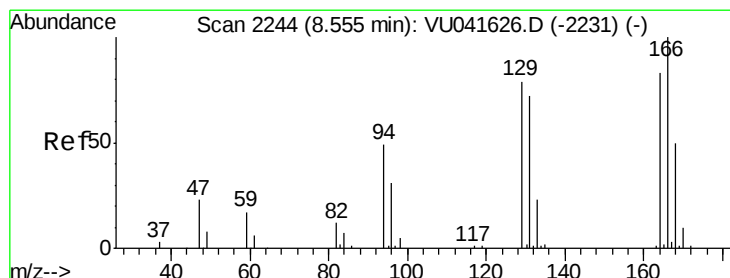
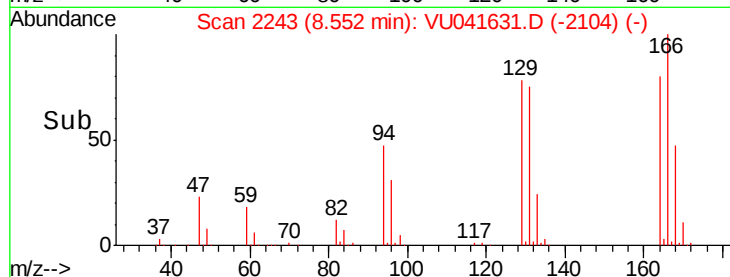
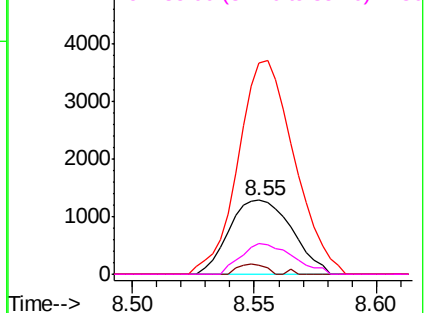
Abundance

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: 35.744 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041631.D

Acq: 15 Dec 2020 13:09

Tgt Ion:164 Resp: 261389

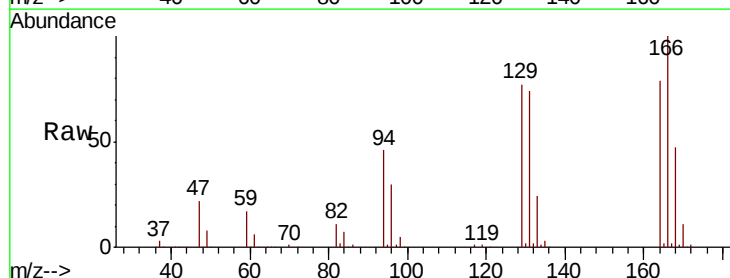
Ion Ratio Lower Upper

164 100

129 96.9 72.2 134.0

131 93.7 66.9 124.3

166 126.4 89.6 166.4



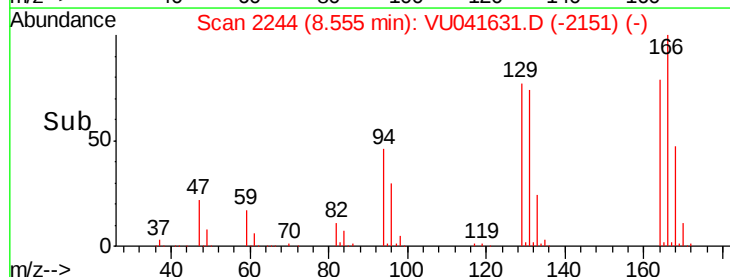
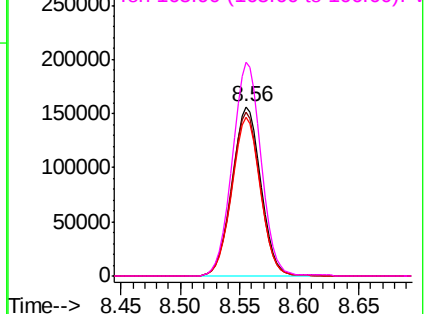
Abundance

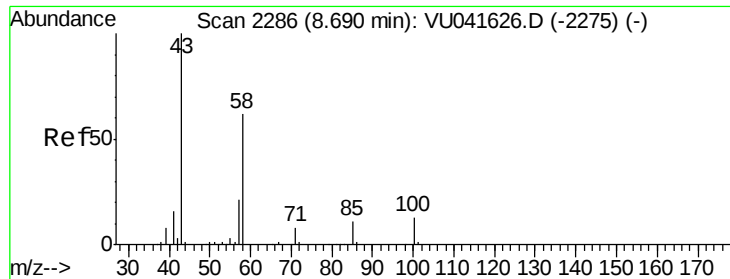
Ion 163.90 (163.60 to 164.60): V

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

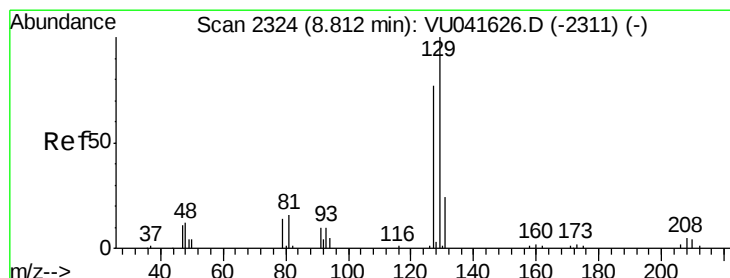
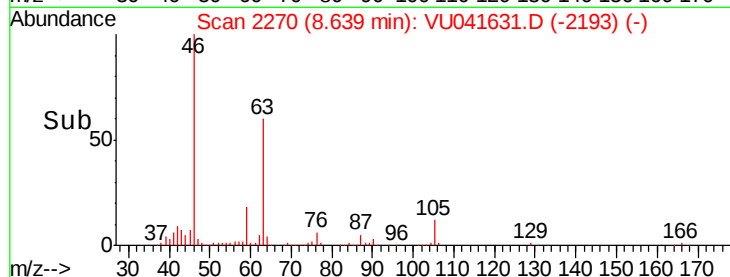
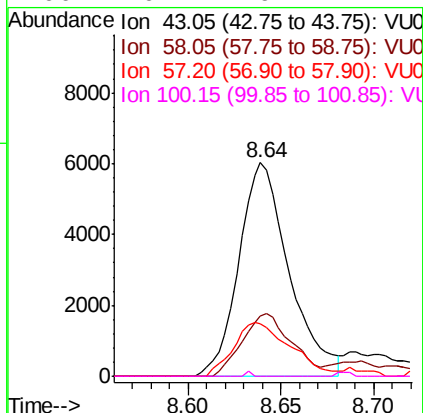
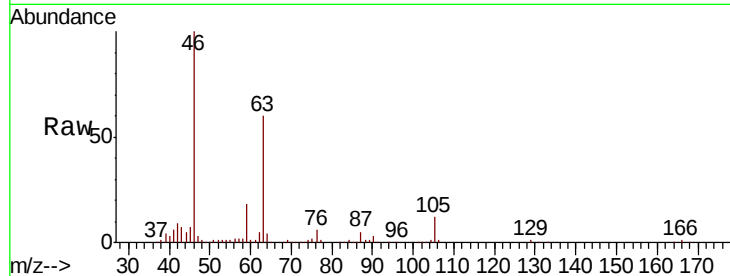




#48
2-Hexanone
Concen: 2.055 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041631.D
Acq: 15 Dec 2020 13:09

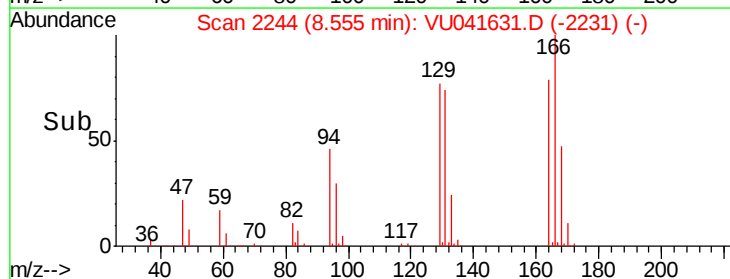
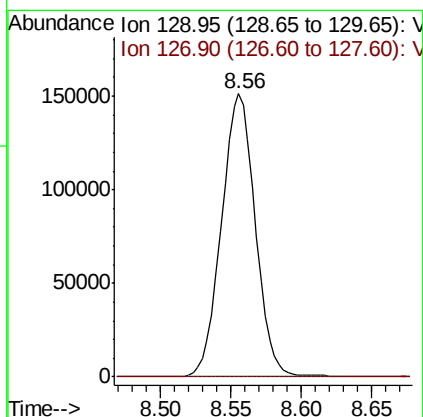
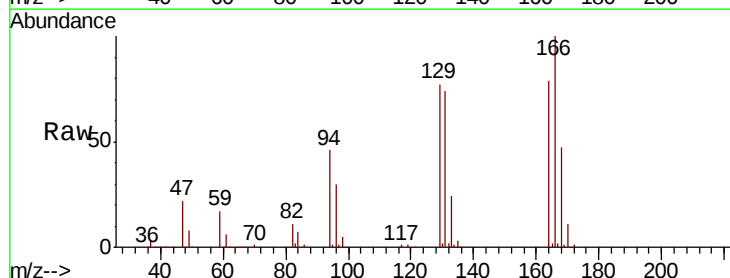
Instrument :
MSVOA_U
ClientSampleId :
GB1K4

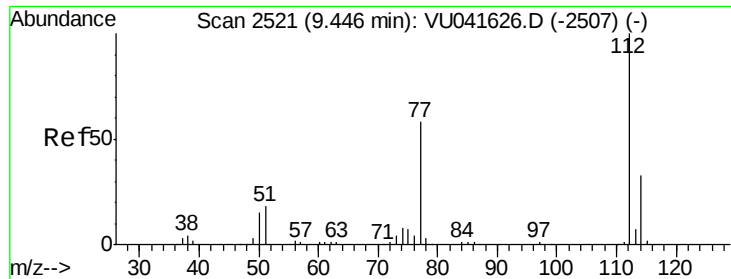
Tot Ion	Ratio	Lower	Upper
43	100		
58	28.8	47.9	71.9#
57	28.3	16.5	24.7#
100	0.2	9.4	14.2#



#49
Dibromochloromethane
Concen: 27.657 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU041631.D
Acq: 15 Dec 2020 13:09

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.7	101.7#

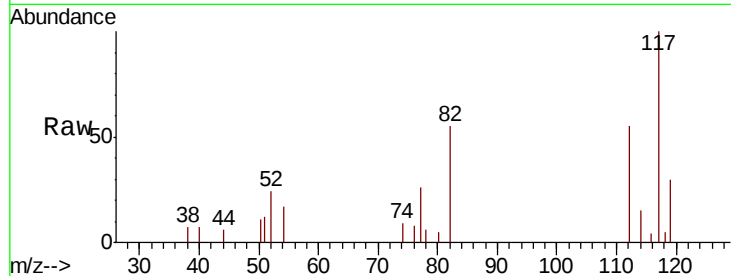




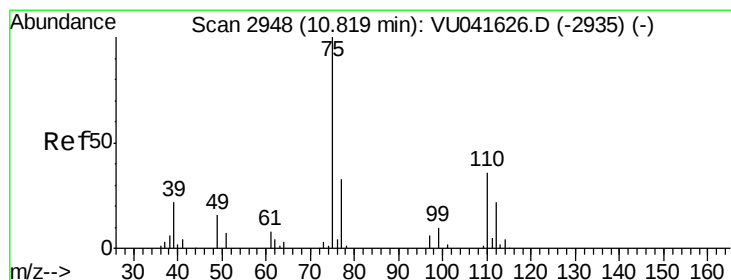
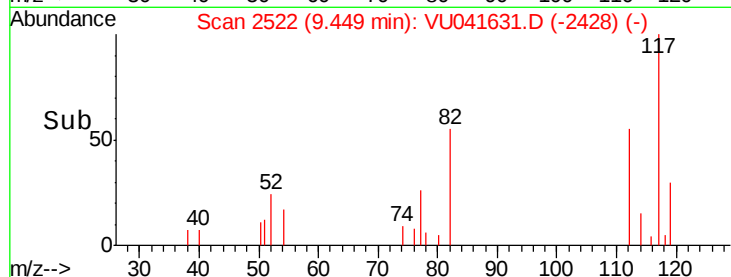
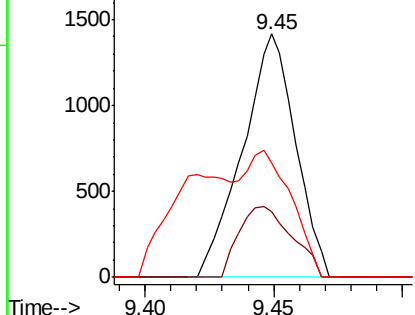
#51
 Chlorobenzene
 Concen: 0.076 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU041631.D
 Acq: 15 Dec 2020 13:09

Instrument :
 MSVOA_U
 ClientSampled :
 GB1K4

Tot Ion:	112	Resp:	2033
Ion	Ratio	Lower	Upper
112	100		
114	26.8	22.7	42.3
77	47.0	49.1	73.7#

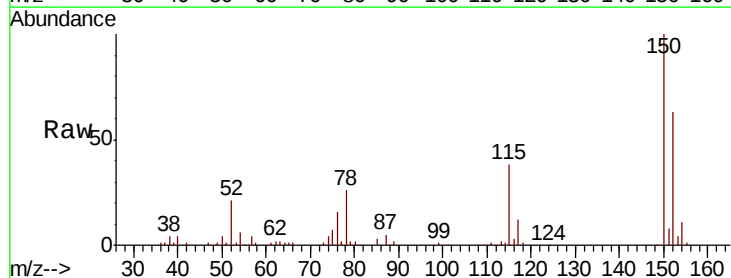


Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): V



#59
 1,2,3-Trichloropropane
 Concen: 0.843 ug/L
 RT: 11.81 min Scan# 3255
 Delta R.T. 0.99 min
 Lab File: VU041631.D
 Acq: 15 Dec 2020 13:09

Tgt Ion:	75	Resp:	6734
Ion	Ratio	Lower	Upper
75	100		
77	32.9	26.2	39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0

