

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121520\
 Data File : VU041630.D
 Acq On : 15 Dec 2020 11:50
 Operator : SY/MD
 Sample : L5029-07 100X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB1K5

Quant Time: Dec 16 02:45:23 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	120430	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	117275	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	52631	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	30185	3.21	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.20%
7) Chloroethane-d5	1.92	69	31110	4.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.40%
11) 1,1-Dichloroethene-d2	2.58	63	50463	2.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.20%#
20) 2-Butanone-d5	4.66	46	138197	51.10	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.20%
24) Chloroform-d	5.08	84	75587	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.72	65	45458	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
32) Benzene-d6	5.74	84	145265	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.60%
36) 1,2-Dichloropropane-d6	6.70	67	46705	4.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.80%
41) Toluene-d8	7.91	98	125433	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.80%
43) trans-1,3-Dichloropropene-	8.19	79	20055	4.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.80%
46) 2-Hexanone-d5	8.64	63	111177	42.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.92%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	47558	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	47881	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

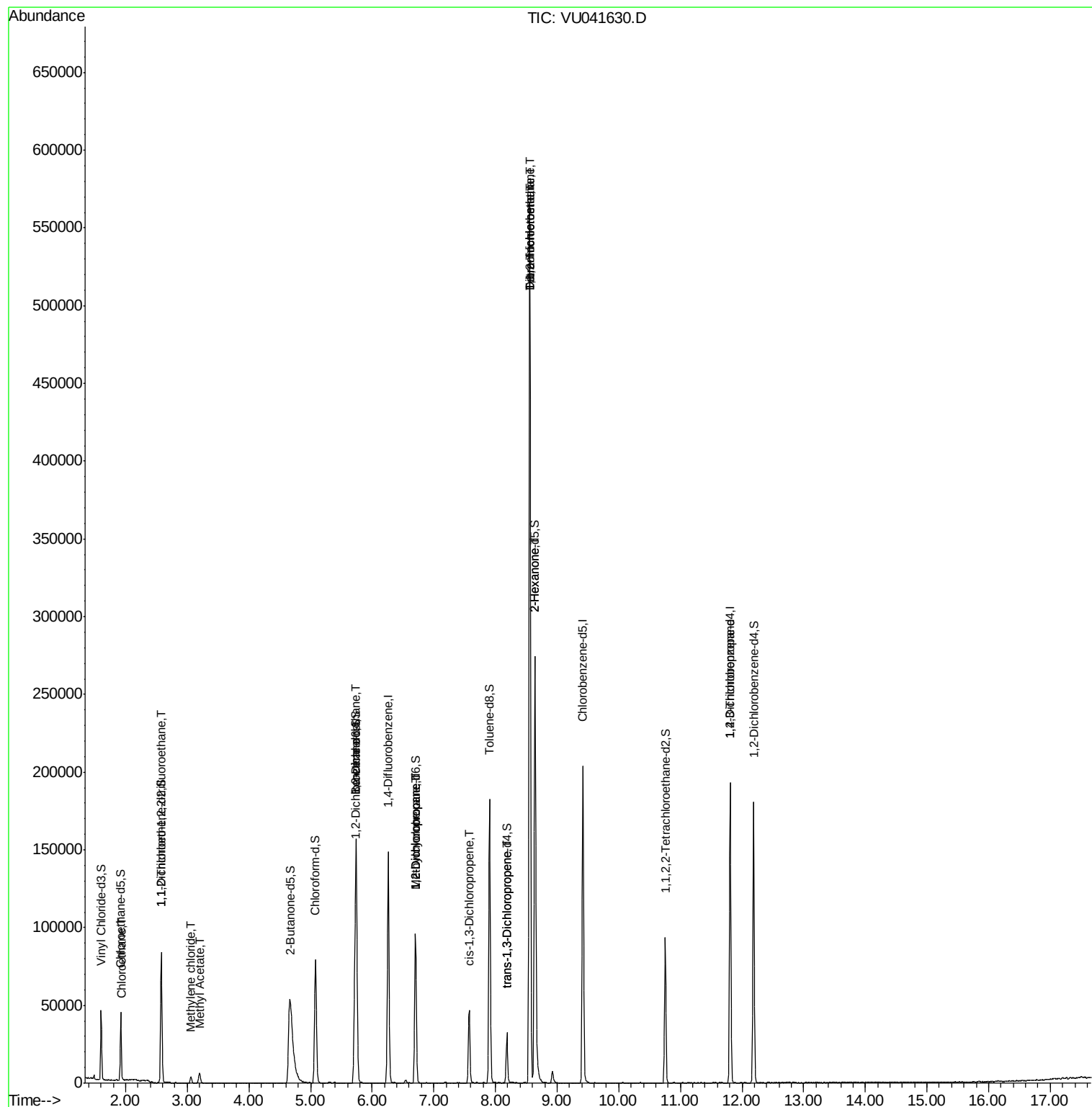
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.94	64	275	0.037	ug/L #	44
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	416	0.050	ug/L #	22
15) Methyl Acetate	3.20	43	479	0.107	ug/L #	51
16) Methylene chloride	3.06	84	2126	0.218	ug/L	86
27) 1,2-Dichloroethane	5.74	62	656	0.061	ug/L #	73
35) Methylcyclohexane	6.70	83	11413	0.749	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	4944	0.515	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1213	0.085	ug/L #	34
44) trans-1,3-Dichloropropene	8.19	75	778	0.061	ug/L	92
45) 1,1,2-Trichloroethane	8.56	97	954	0.134	ug/L #	10
47) Tetrachloroethene	8.56	164	127823	19.374	ug/L	97
48) 2-Hexanone	8.64	43	13059	2.629	ug/L #	64
49) Dibromochloromethane	8.56	129	121906	14.959	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5834	0.810	ug/L	98

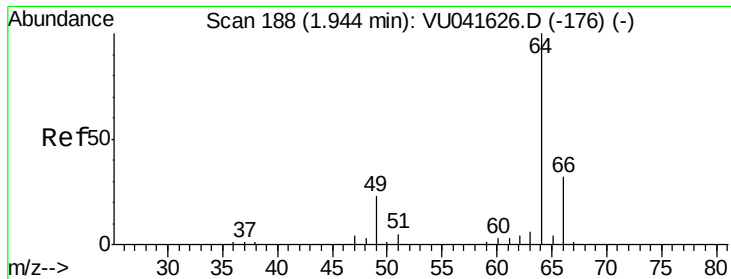
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\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

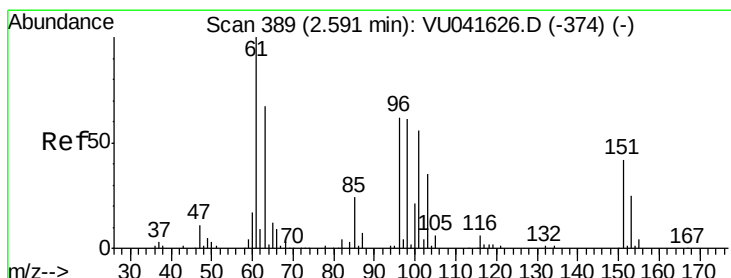
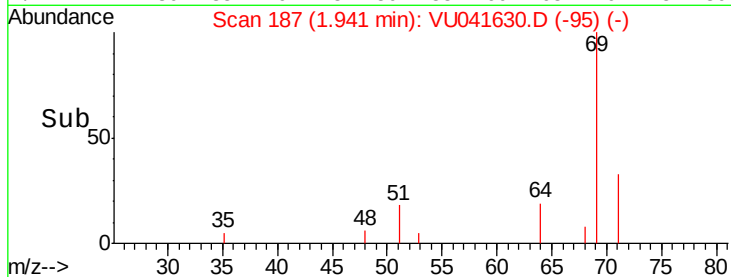
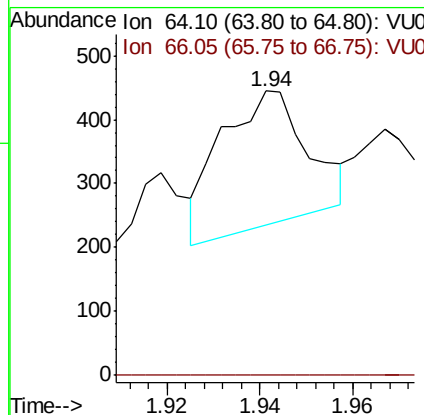
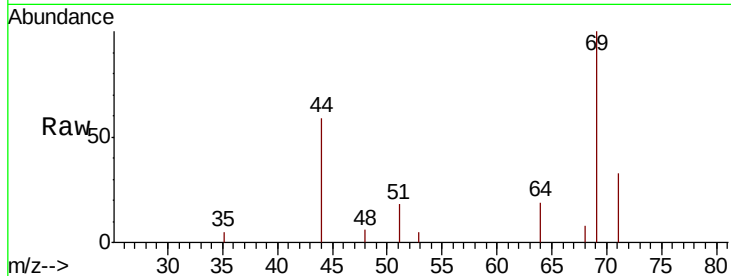




#8
 Chloroethane
 Concen: 0.037 ug/L
 RT: 1.94 min Scan# 187
 Delta R.T. -0.00 min
 Lab File: VU041630.D
 Acq: 15 Dec 2020 11:50

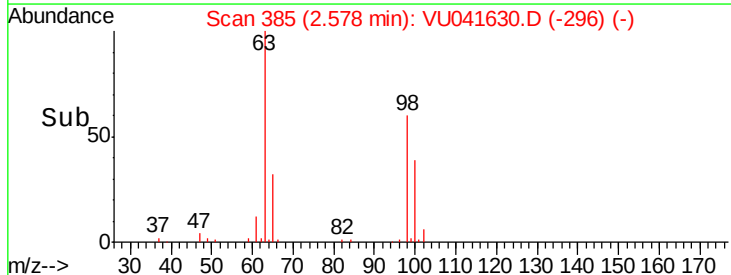
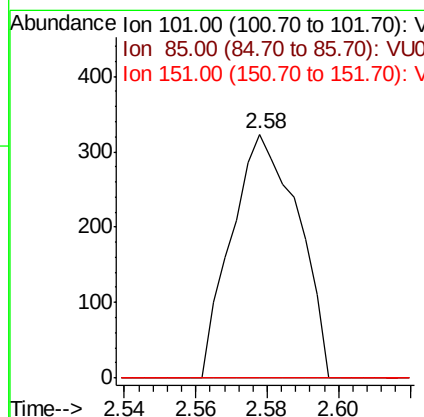
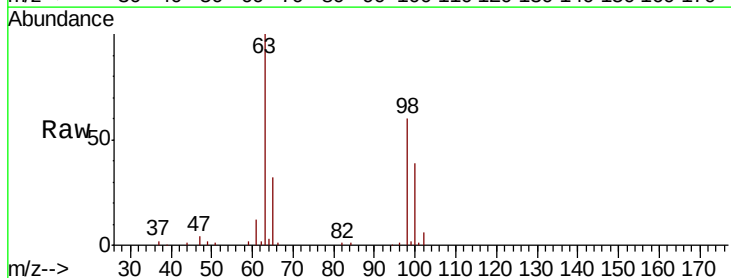
Instrument :
 MSVOA_U
 ClientSampleId :
 GB1K5

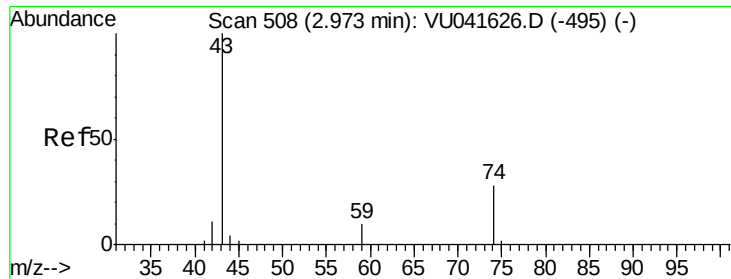
Tot Ion: 64 Resp: 275
 Ion Ratio Lower Upper
 64 100
 66 0.0 21.6 40.0#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.050 ug/L
 RT: 2.58 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: VU041630.D
 Acq: 15 Dec 2020 11:50

Tgt Ion: 101 Resp: 416
 Ion Ratio Lower Upper
 101 100
 85 0.0 33.6 50.4#
 151 0.0 56.2 84.4#

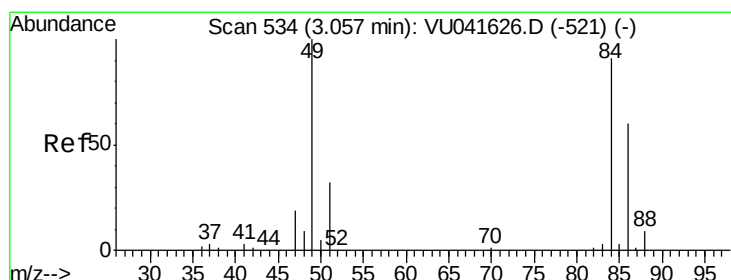
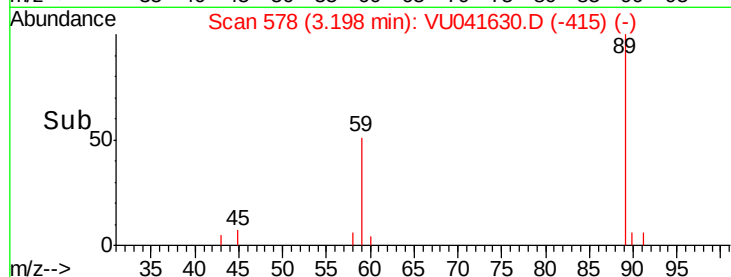
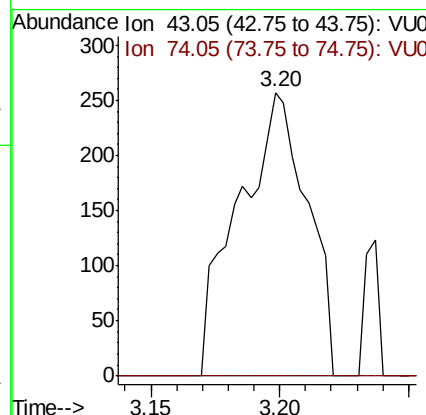
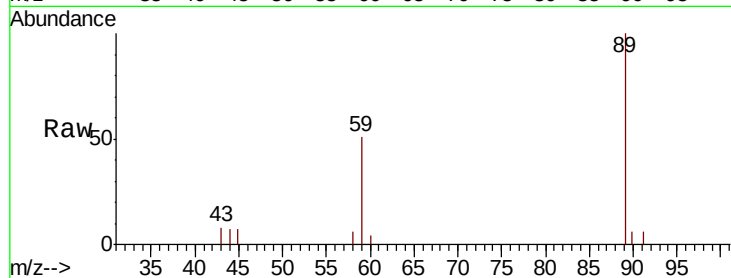




#15
Methvl Acetate
Concen: 0.107 ug/L
RT: 3.20 min Scan# 578
Delta R.T. 0.23 min
Lab File: VU041630.D
Acq: 15 Dec 2020 11:50

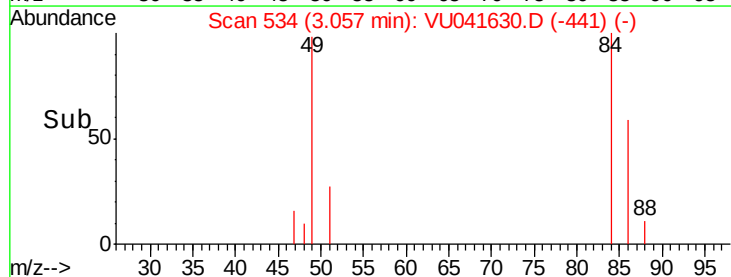
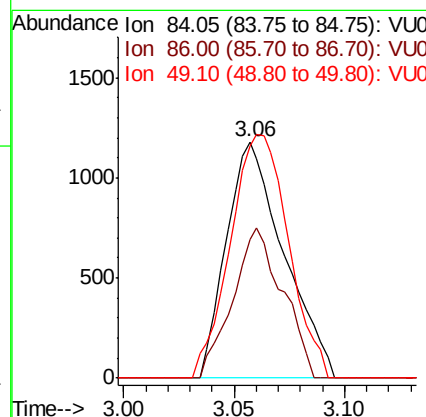
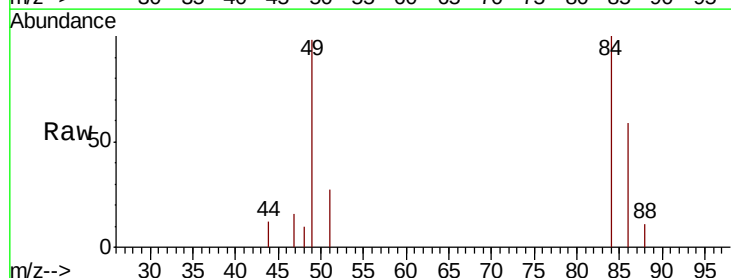
Instrument :
MSVOA_U
ClientSampled :
GB1K5

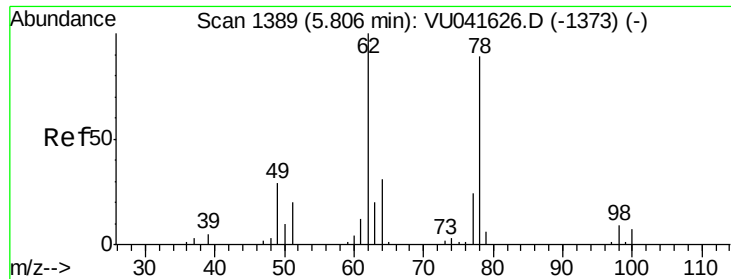
Tot Ion: 43 Resp: 479
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#16
Methylene chloride
Concen: 0.218 ug/L
RT: 3.06 min Scan# 534
Delta R.T. 0.00 min
Lab File: VU041630.D
Acq: 15 Dec 2020 11:50

Tgt Ion: 84 Resp: 2126
Ion Ratio Lower Upper
84 100
86 58.6 45.1 83.7
49 98.5 83.1 154.3

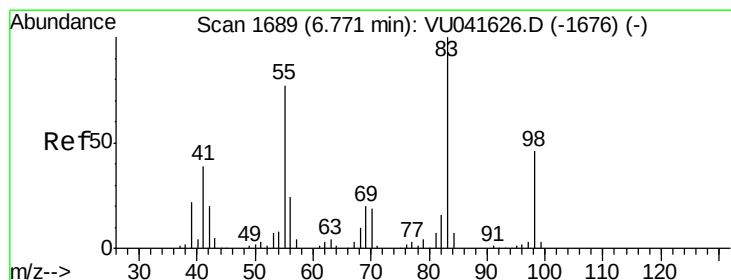
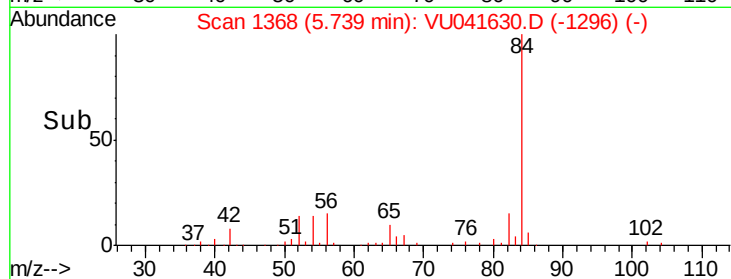
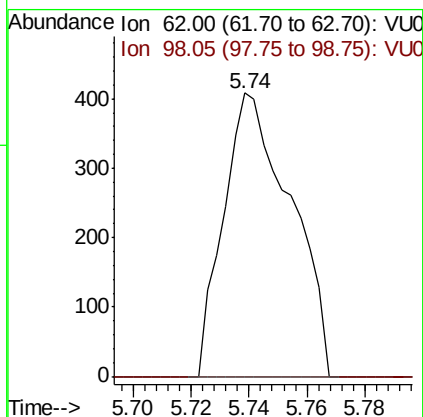
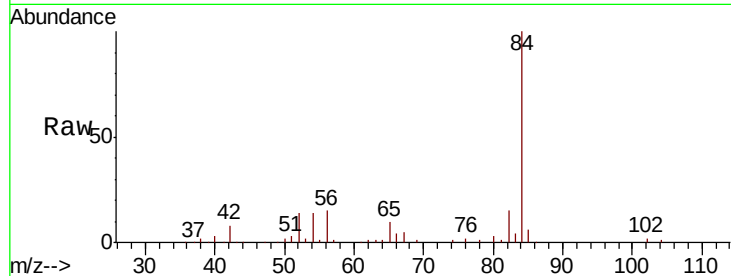




#27
 1,2-Dichloroethane
 Concen: 0.061 ug/L
 RT: 5.74 min Scan# 1368
 Delta R.T. -0.07 min
 Lab File: VU041630.D
 Acq: 15 Dec 2020 11:50

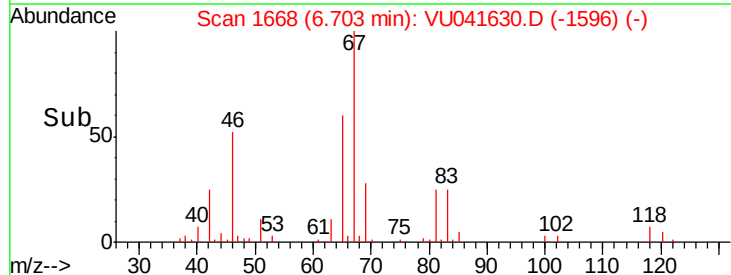
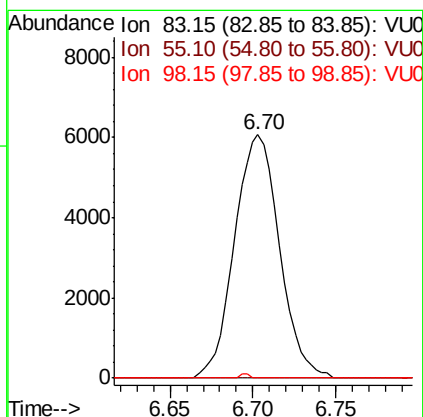
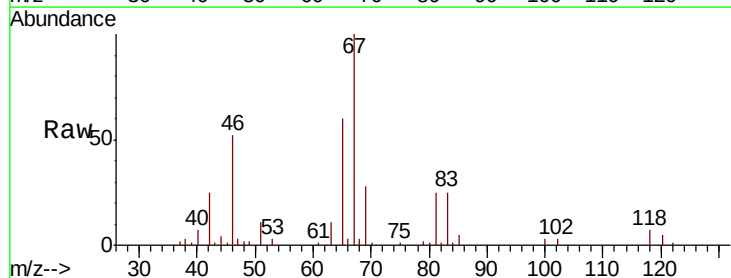
Instrument :
 MSVOA_U
 ClientSampleId :
 GB1K5

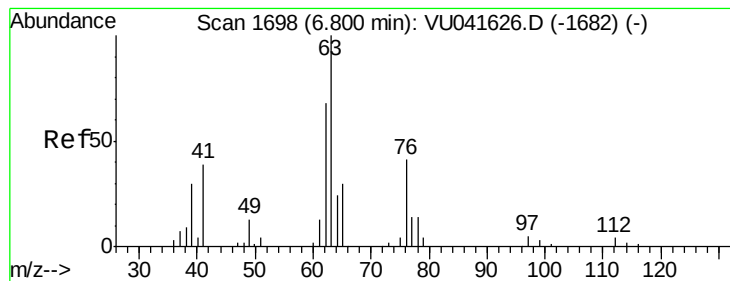
Tot Ion: 62 Resp: 656
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.2#



#35
 Methylcyclohexane
 Concen: 0.749 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU041630.D
 Acq: 15 Dec 2020 11:50

Tgt Ion: 83 Resp: 11413
 Ion Ratio Lower Upper
 83 100
 55 0.0 61.2 91.8#
 98 0.4 36.6 54.8#





#37

1,2-Dichloropropane

Concen: 0.515 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU041630.D

Acq: 15 Dec 2020 11:50

Instrument :

MSVOA_U

ClientSampleId :

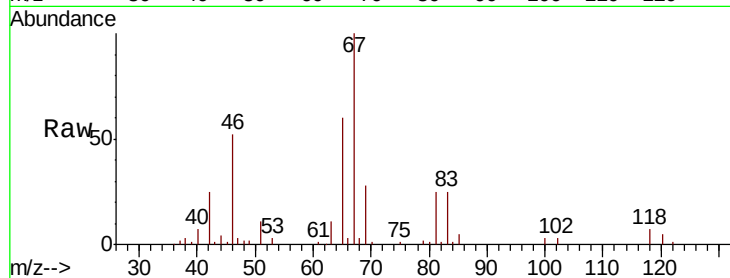
GB1K5

Tot Ion: 63 Resp: 4944

Ion Ratio Lower Upper

63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU041630.D (-1668) (-)

Ion 112.10 (111.80 to 112.80): VU041630.D (-1668) (-)

6.70

2500

2000

1500

1000

500

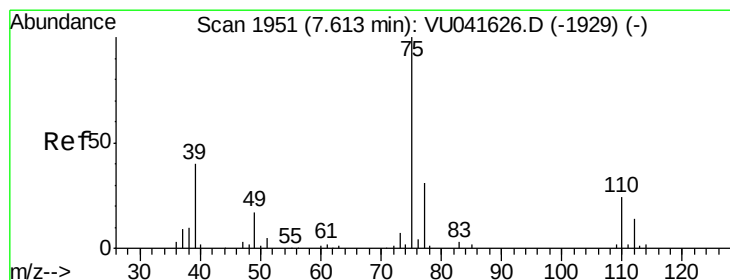
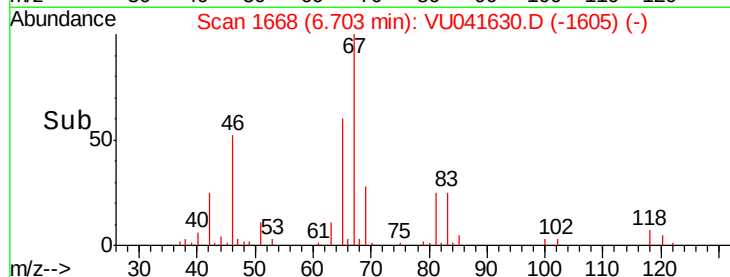
0

6.65

6.70

6.75

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.085 ug/L

RT: 7.57 min Scan# 1938

Delta R.T. -0.04 min

Lab File: VU041630.D

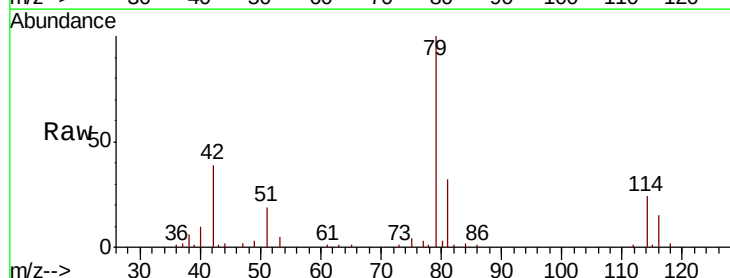
Acq: 15 Dec 2020 11:50

Tgt Ion: 75 Resp: 1213

Ion Ratio Lower Upper

75 100

77 68.8 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU041630.D (-1938) (-)

Ion 77.05 (76.75 to 77.75): VU041630.D (-1938) (-)

7.57

600

400

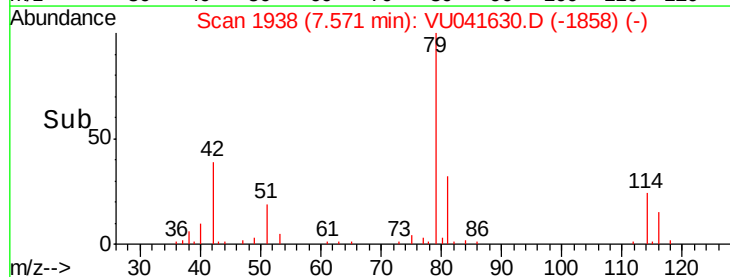
200

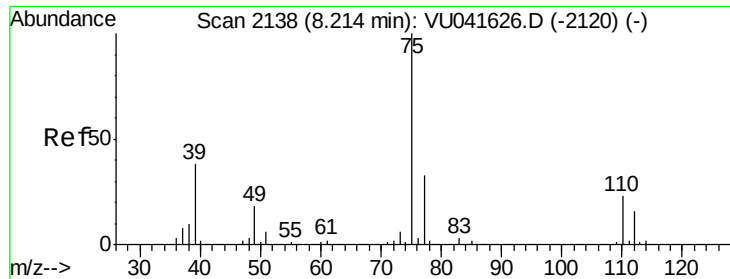
0

7.55

7.60

Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.061 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU041630.D

Acq: 15 Dec 2020 11:50

Instrument :

MSVOA_U

ClientSampleId :

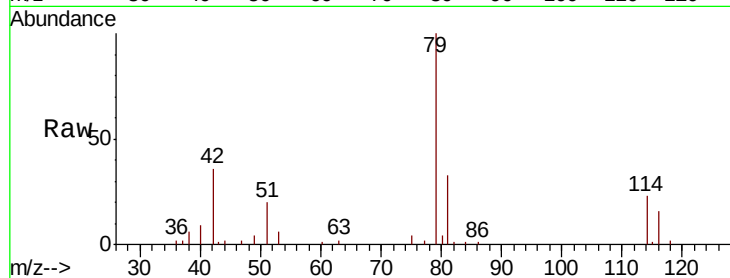
GB1K5

Tot Ion: 75 Resp: 778

Ion Ratio Lower Upper

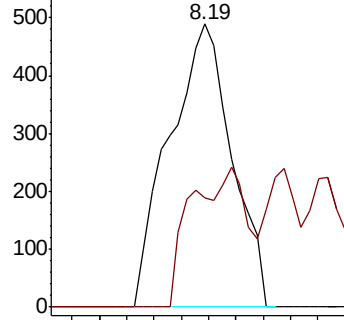
75 100

77 38.7 23.8 44.2

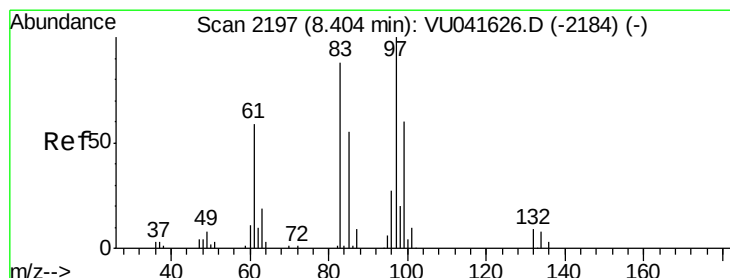
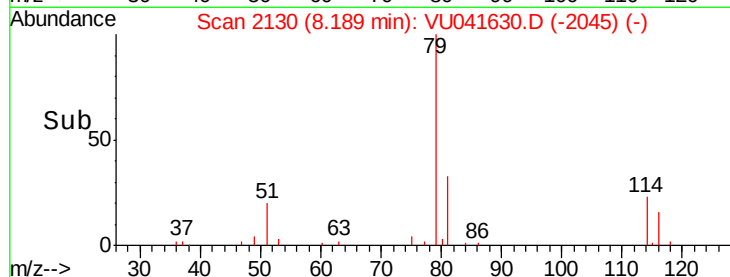


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



Time-->



#45

1,1,2-Trichloroethane

Concen: 0.134 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.15 min

Lab File: VU041630.D

Acq: 15 Dec 2020 11:50

Tgt Ion: 97 Resp: 954

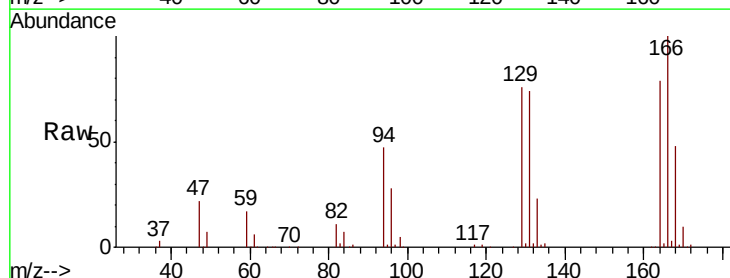
Ion Ratio Lower Upper

97 100

99 17.5 42.1 78.3#

83 232.6 62.6 116.2#

85 37.9 39.1 72.7#

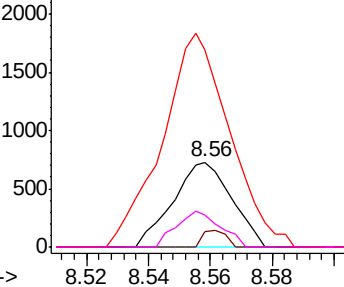


Abundance Ion 96.95 (96.65 to 97.65): VU0

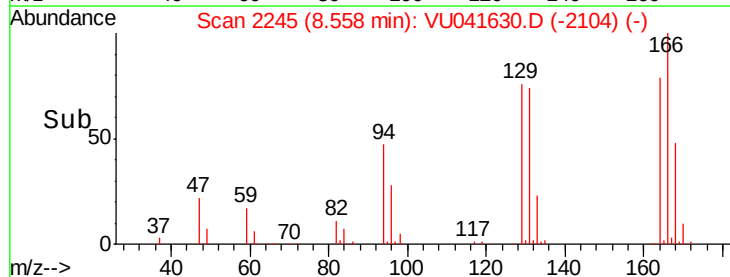
Ion 99.05 (98.75 to 99.75): VU0

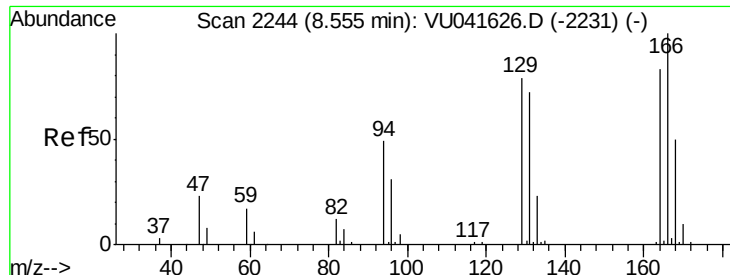
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



Time-->





#47

Tetrachloroethene

Concen: 19.374 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041630.D

Acq: 15 Dec 2020 11:50

Instrument :

MSVOA_U

ClientSampleId :

GB1K5

Tot Ion:164 Resp: 127823

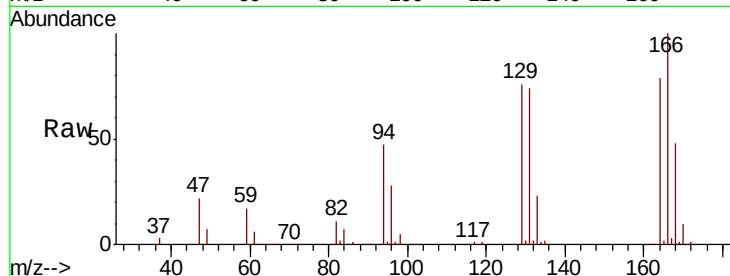
Ion Ratio Lower Upper

164 100

129 96.1 72.2 134.0

131 93.8 66.9 124.3

166 126.7 89.6 166.4

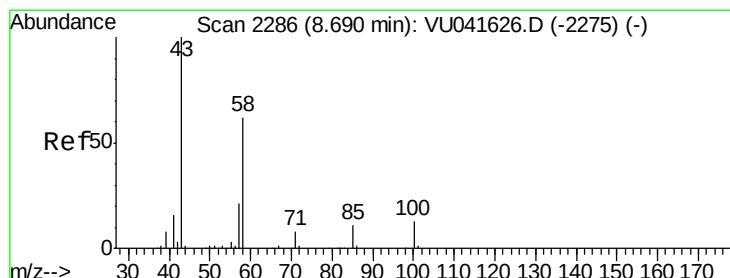
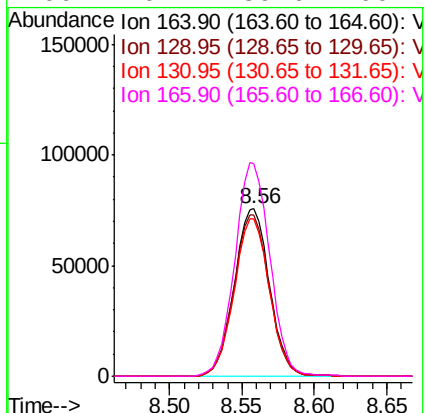
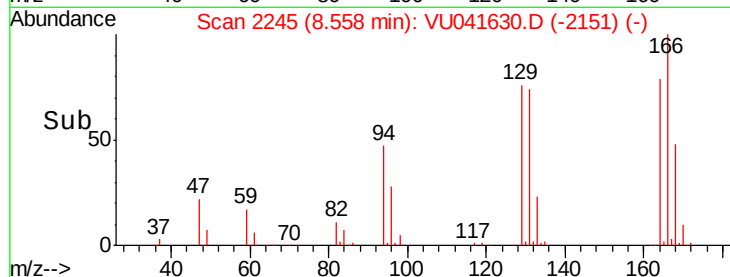


Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.629 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU041630.D

Acq: 15 Dec 2020 11:50

Tgt Ion: 43 Resp: 13059

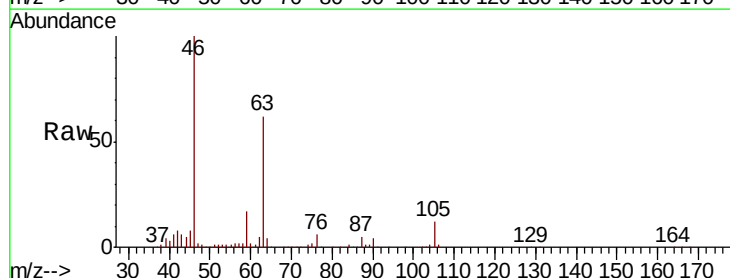
Ion Ratio Lower Upper

43 100

58 28.2 47.9 71.9#

57 31.1 16.5 24.7#

100 0.6 9.4 14.2#

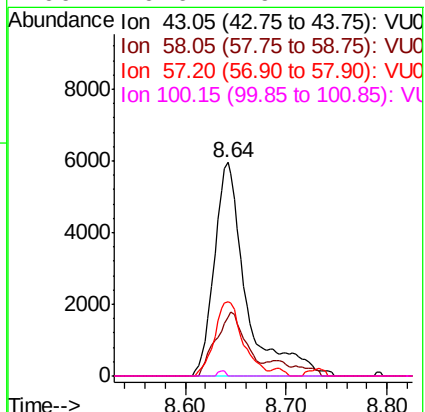
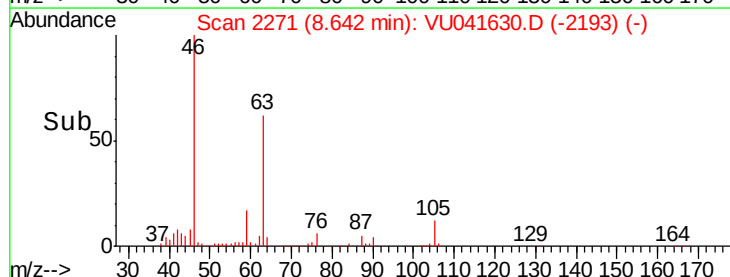


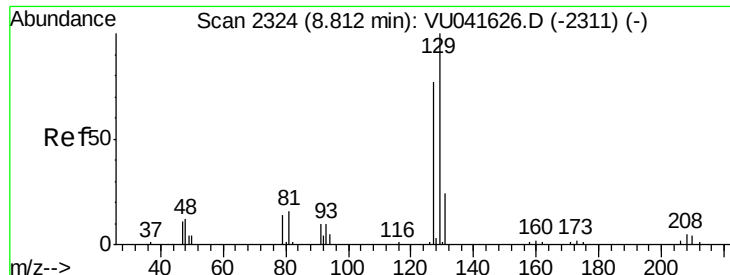
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 14.959 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU041630.D

Acq: 15 Dec 2020 11:50

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MSVOA_U

ClientSampleId :

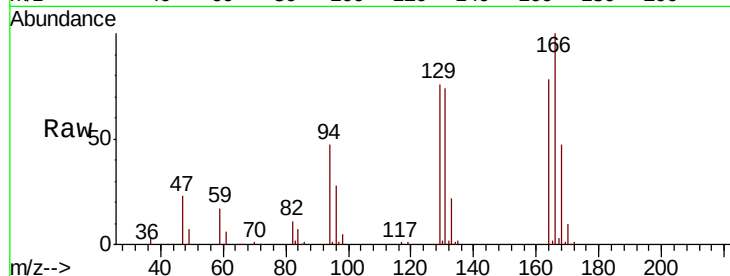
GB1K5

Tot Ion:129 Resp: 121906

Ion Ratio Lower Upper

129 100

127 0.2 54.7 101.7#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.56

80000

60000

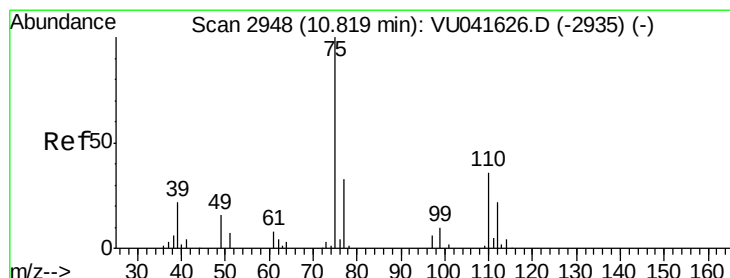
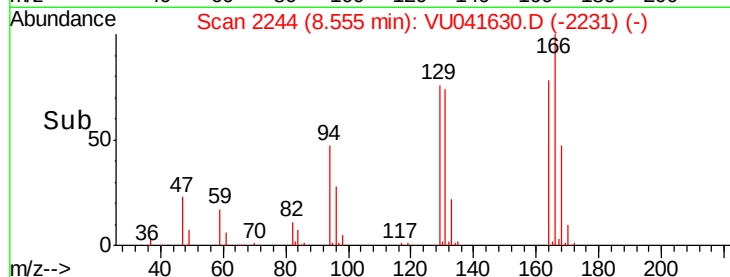
40000

20000

0

8.50 8.55 8.60 8.65

Time-->



#59

1,2,3-Trichloropropane

Concen: 0.810 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041630.D

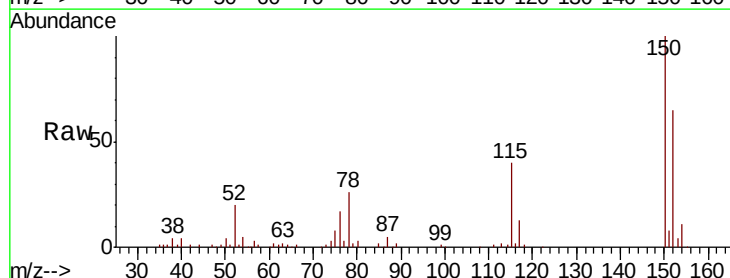
Acq: 15 Dec 2020 11:50

Tgt Ion: 75 Resp: 5834

Ion Ratio Lower Upper

75 100

77 33.7 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.81

4000

3000

2000

1000

0

11.75 11.80 11.85

Time-->

