

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121520\
 Data File : VU041635.D
 Acq On : 15 Dec 2020 14:44
 Operator : SY/MD
 Sample : L5027-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB1H8

Quant Time: Dec 16 02:46:35 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	116432	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	112875	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	45895	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	37343	4.10	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.00%
7) Chloroethane-d5	1.92	69	34211	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.20%
11) 1,1-Dichloroethene-d2	2.58	63	57641	3.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.80%
20) 2-Butanone-d5	4.66	46	138072	52.81	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.62%
24) Chloroform-d	5.08	84	74631	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.72	65	46188	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
32) Benzene-d6	5.74	84	143585	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
36) 1,2-Dichloropropane-d6	6.70	67	46460	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.60%
41) Toluene-d8	7.91	98	120751	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.80%
43) trans-1,3-Dichloropropene-	8.19	79	14649	3.22	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	64.40%
46) 2-Hexanone-d5	8.64	63	104571	41.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.96%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	45195	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	41578	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	476	0.059	ug/L #	22
13) Acetone	2.67	43	6890	4.143	ug/L	48
21) 2-Butanone	4.74	43	4644	1.714	ug/L #	70
25) Chloroform	5.10	83	1400	0.091	ug/L	96
27) 1,2-Dichloroethane	5.74	62	895	0.086	ug/L #	73
33) Benzene	5.79	78	1071	0.030	ug/L	100
34) Trichloroethene	6.55	95	3519	0.388	ug/L	97
35) Methylcyclohexane	6.70	83	10760	0.734	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	4925	0.533	ug/L #	88
39) cis-1,3-Dichloropropene	7.58	75	920	0.067	ug/L #	37
42) Toluene	7.97	91	1571	0.042	ug/L	89
44) trans-1,3-Dichloropropene	8.19	75	565	0.046	ug/L #	52
45) 1,1,2-Trichloroethane	8.56	97	4442	0.650	ug/L #	1
47) Tetrachloroethene	8.56	164	436457	68.732	ug/L	98
49) Dibromochloromethane	8.56	129	442751	56.448	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5448	0.786	ug/L #	84

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QLast Update : Wed Dec 16 02:41:48 2020
Response via : Initial Calibration

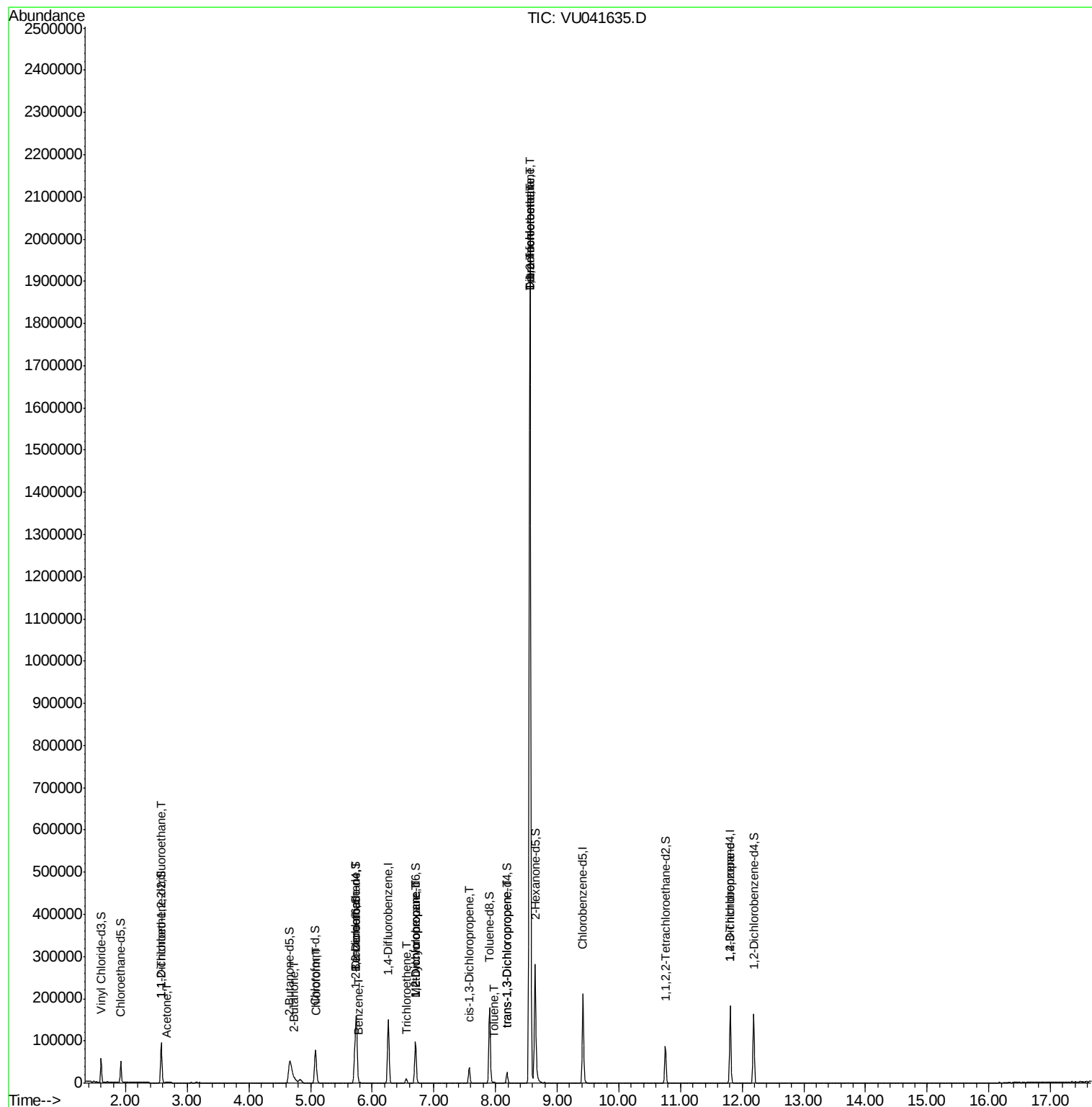
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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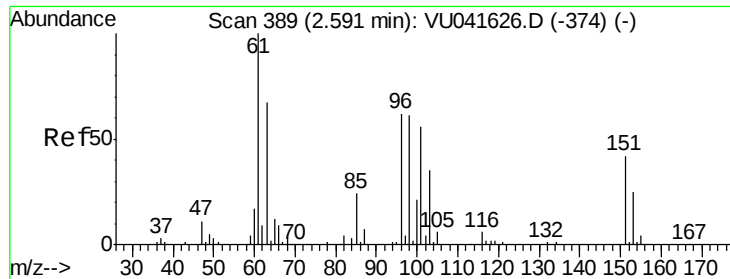
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.059 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041635.D

Acq: 15 Dec 2020 14:44

Instrument :

MSVOA_U

ClientSampleId :

GB1H8

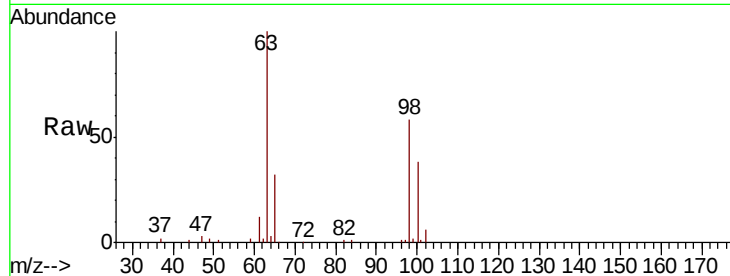
Tot Ion:101 Resp: 476

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

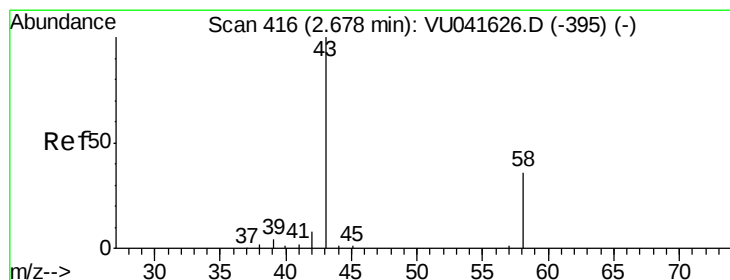
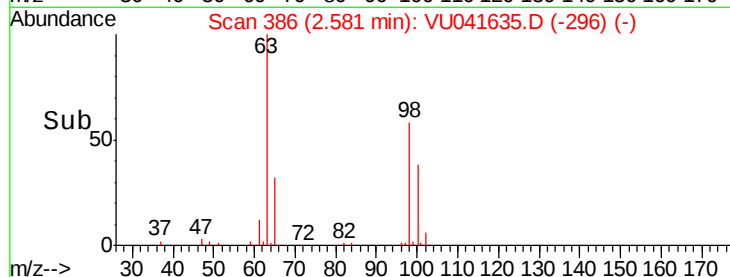
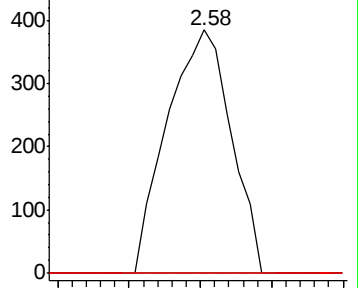
151 0.0 56.2 84.4#



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



#13

Acetone

Concen: 4.143 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.00 min

Lab File: VU041635.D

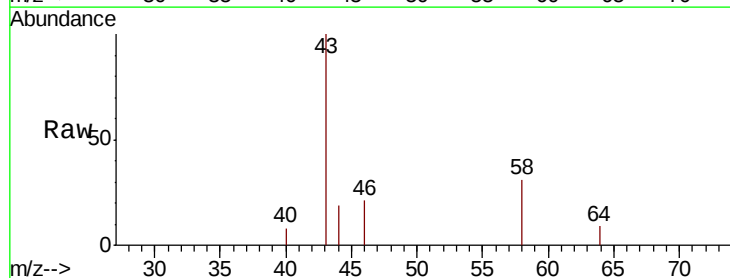
Acq: 15 Dec 2020 14:44

Tgt Ion: 43 Resp: 6890

Ion Ratio Lower Upper

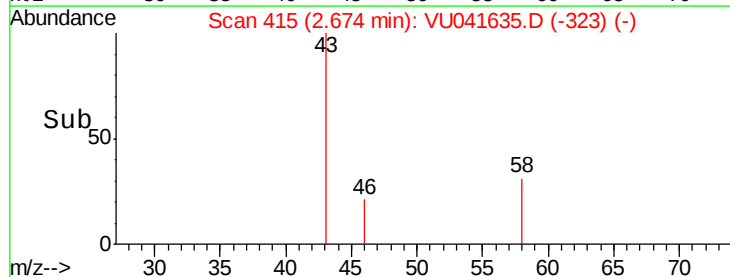
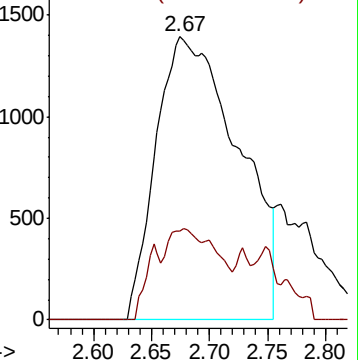
43 100

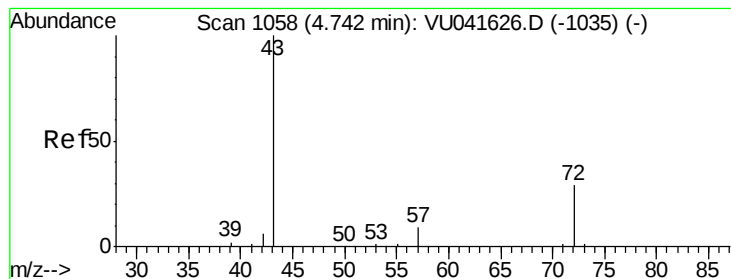
58 5.8 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#21

2-Butanone

Concen: 1.714 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VU041635.D

Acq: 15 Dec 2020 14:44

Instrument :

MSVOA_U

ClientSampleId :

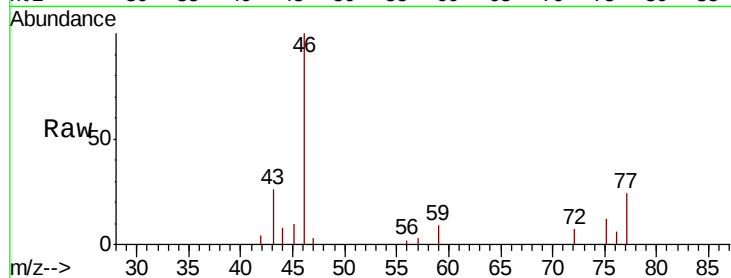
GB1H8

Tot Ion: 43 Resp: 4644

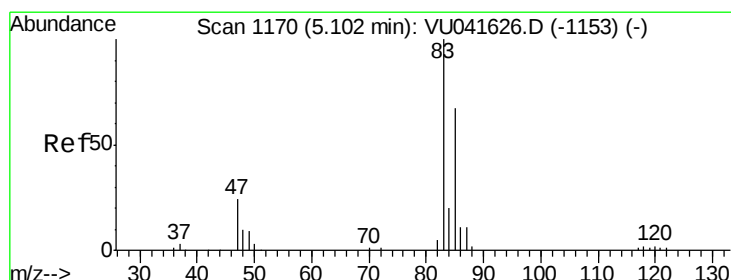
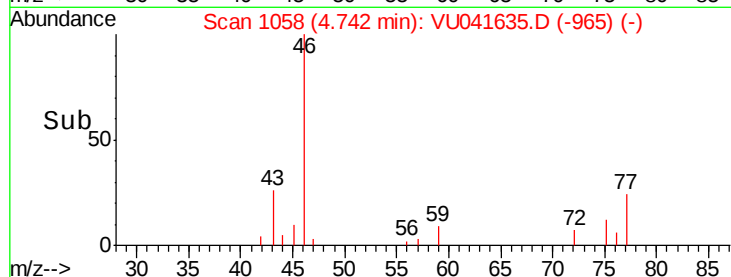
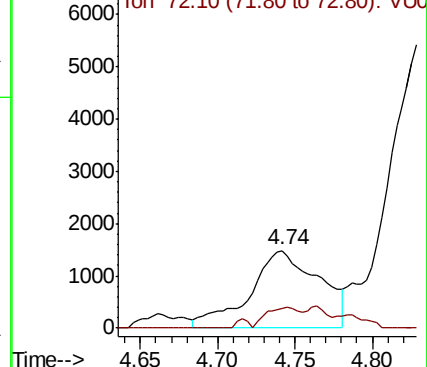
Ion Ratio Lower Upper

43 100

72 13.0 14.6 44.0#



Abundance Ion 43.05 (42.75 to 43.75): VU041635.D (-965) (-)



#25

Chloroform

Concen: 0.091 ug/L

RT: 5.10 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VU041635.D

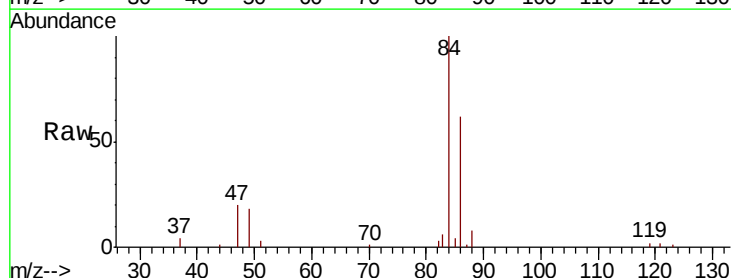
Acq: 15 Dec 2020 14:44

Tgt Ion: 83 Resp: 1400

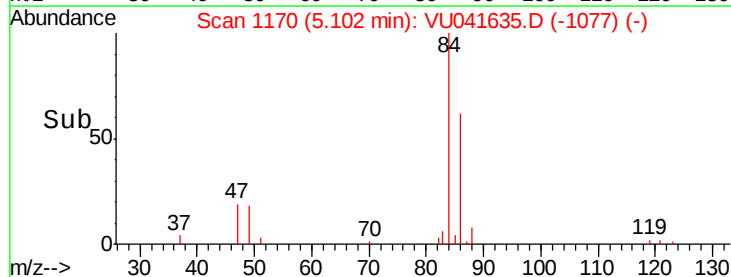
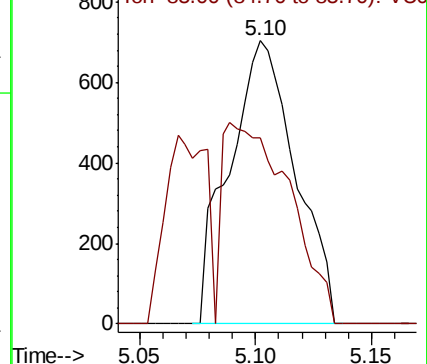
Ion Ratio Lower Upper

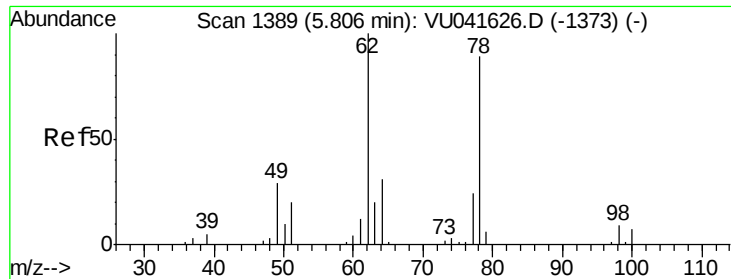
83 100

85 65.9 44.2 82.0



Abundance Ion 83.05 (82.75 to 83.75): VU041635.D (-1077) (-)





#27

1,2-Dichloroethane

Concen: 0.086 ug/L

RT: 5.74 min Scan# 1369

Delta R.T. -0.06 min

Lab File: VU041635.D

Acq: 15 Dec 2020 14:44

Instrument :

MSVOA_U

ClientSampleId :

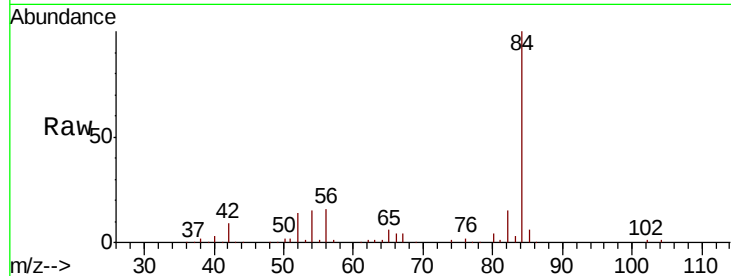
GB1H8

Tot Ion: 62 Resp: 895

Ion Ratio Lower Upper

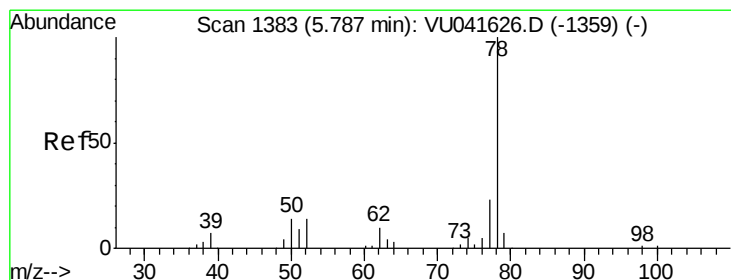
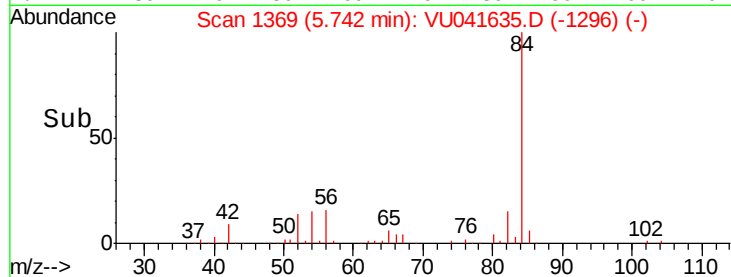
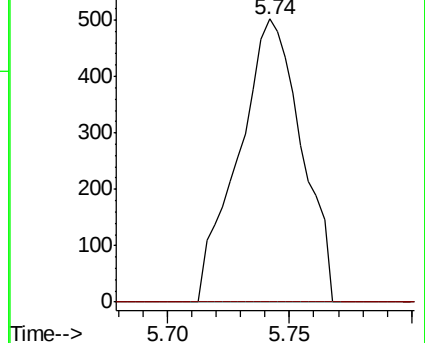
62 100

98 0.0 8.2 12.2#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0



#33

Benzene

Concen: 0.030 ug/L

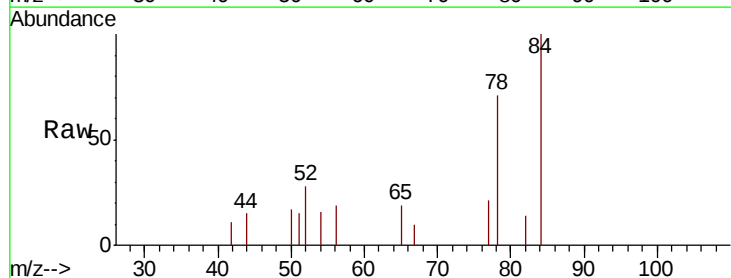
RT: 5.79 min Scan# 1383

Delta R.T. 0.00 min

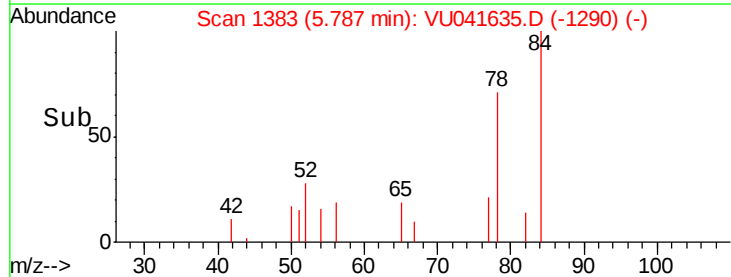
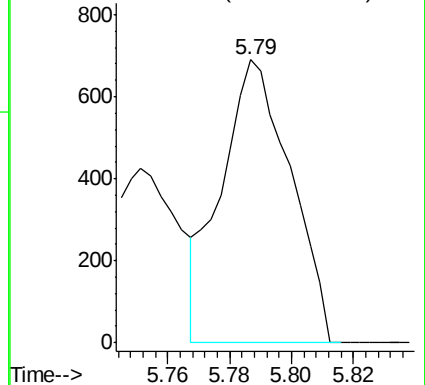
Lab File: VU041635.D

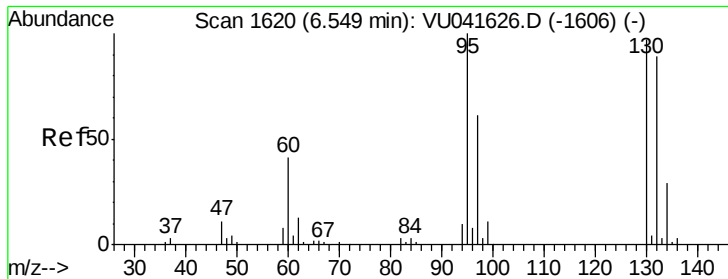
Acq: 15 Dec 2020 14:44

Tgt Ion: 78 Resp: 1071



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.388 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041635.D

Acq: 15 Dec 2020 14:44

Instrument :

MSVOA_U

ClientSampleId :

GB1H8

Tot Ion: 95 Resp: 3519

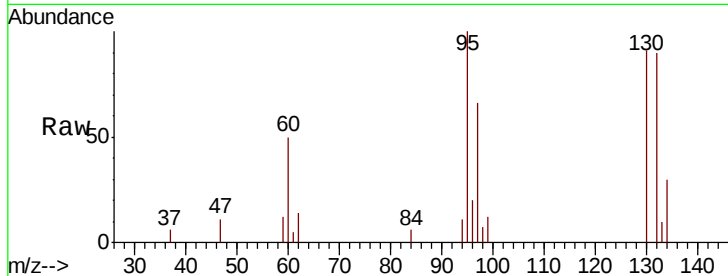
Ion Ratio Lower Upper

95 100

97 66.2 43.9 81.5

132 90.2 63.1 117.3

130 90.7 67.4 125.2

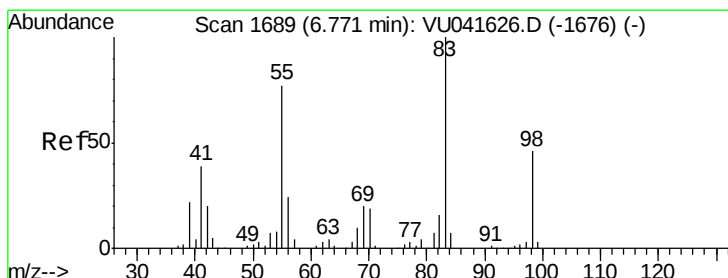
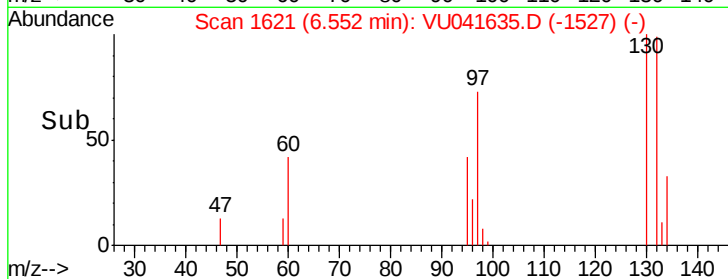
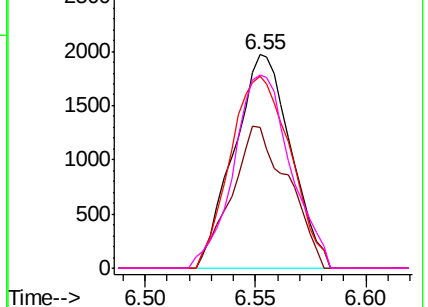


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.734 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU041635.D

Acq: 15 Dec 2020 14:44

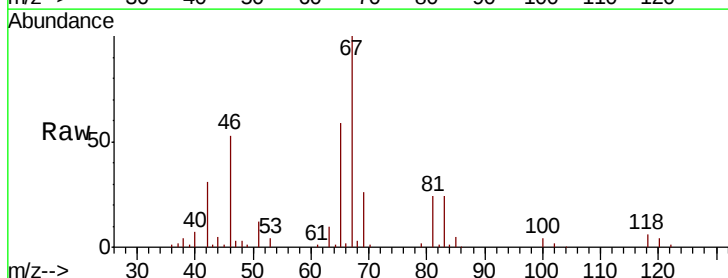
Tgt Ion: 83 Resp: 10760

Ion Ratio Lower Upper

83 100

55 0.0 61.2 91.8#

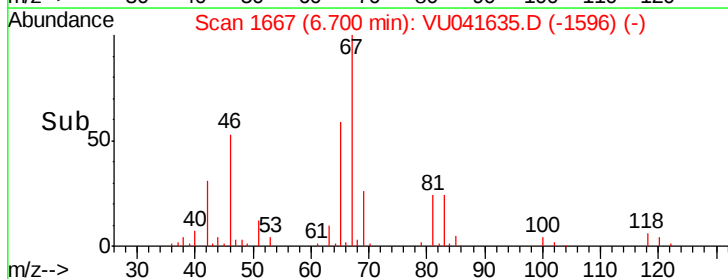
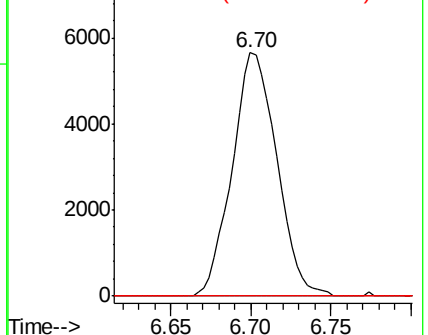
98 0.7 36.6 54.8#

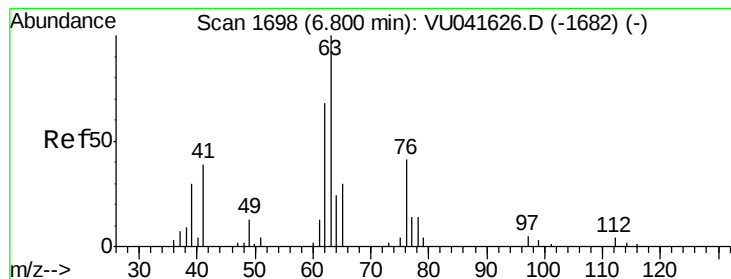


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.533 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU041635.D

Acq: 15 Dec 2020 14:44

Instrument :

MSVOA_U

ClientSampleId :

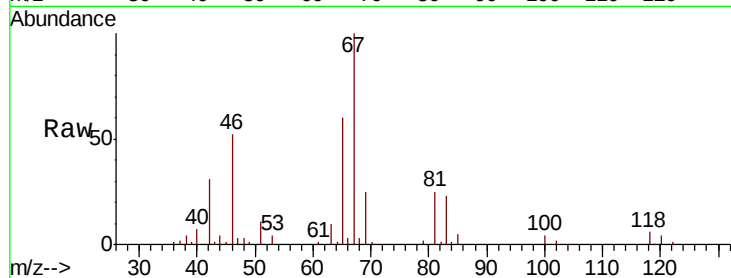
GB1H8

Tot Ion: 63 Resp: 4925

Ion Ratio Lower Upper

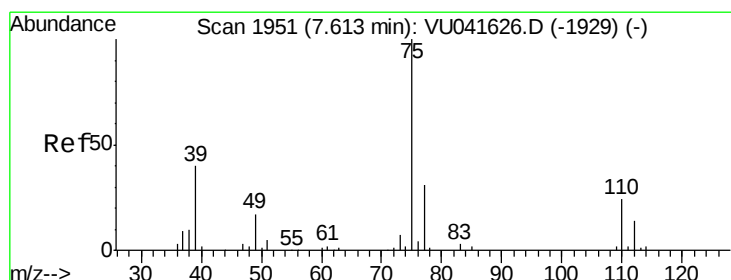
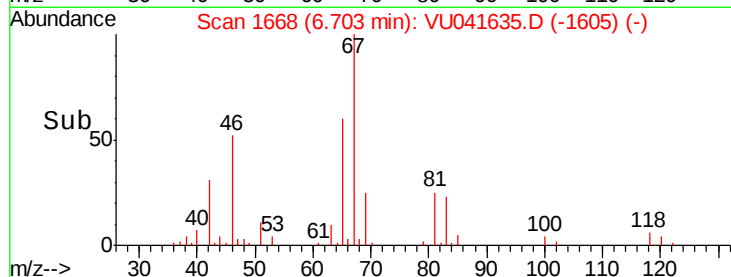
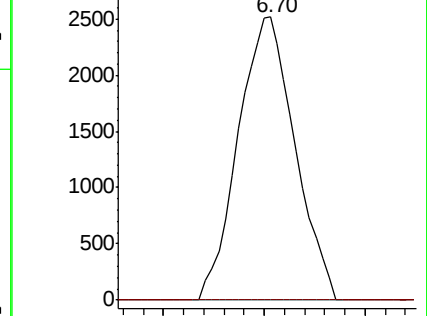
63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU041626.D (-1682) (-)

Ion 112.10 (111.80 to 112.80): VU041626.D (-1682) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.067 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU041635.D

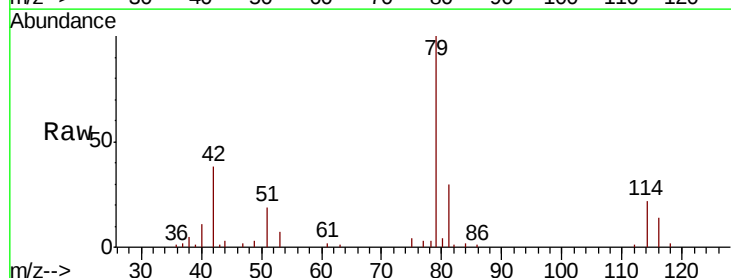
Acq: 15 Dec 2020 14:44

Tgt Ion: 75 Resp: 920

Ion Ratio Lower Upper

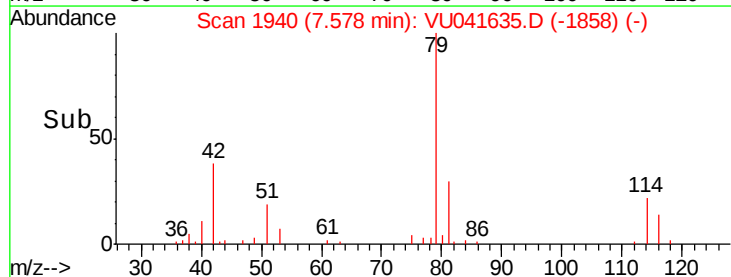
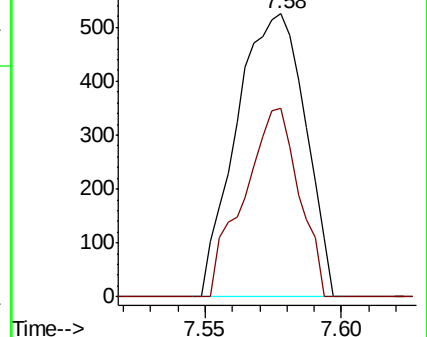
75 100

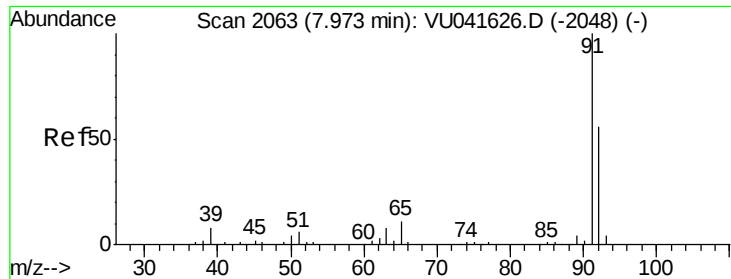
77 66.7 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU041626.D (-1929) (-)

Ion 77.05 (76.75 to 77.75): VU041626.D (-1929) (-)





#42

Toluene

Concen: 0.042 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU041635.D

Acq: 15 Dec 2020 14:44

Instrument :

MSVOA_U

ClientSampleID :

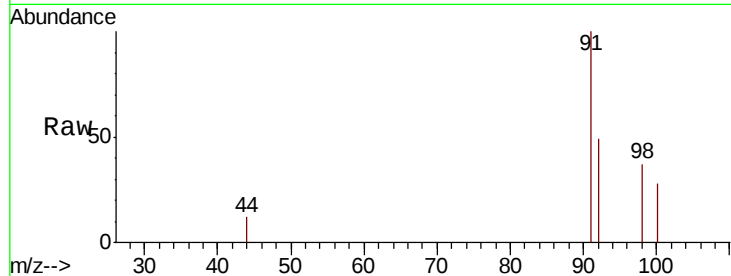
GB1H8

Tot Ion: 91 Resp: 1571

Ion Ratio Lower Upper

91 100

92 48.7 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU041626.D (-2048) (-)

Ion 92.15 (91.85 to 92.85): VU041626.D (-2048) (-)

7.97

1000

800

600

400

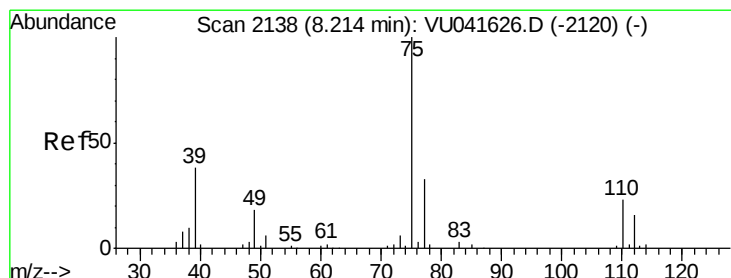
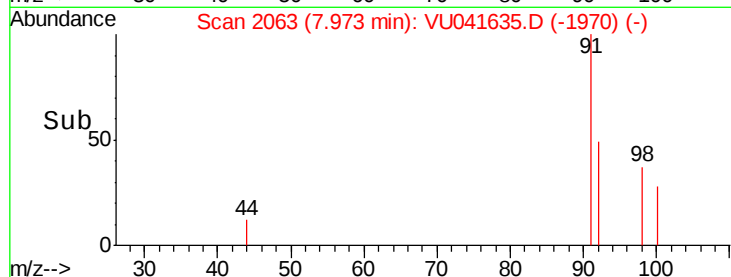
200

0

7.95

8.00

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.046 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041635.D

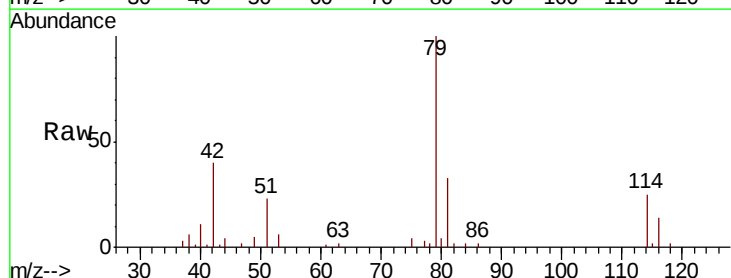
Acq: 15 Dec 2020 14:44

Tgt Ion: 75 Resp: 565

Ion Ratio Lower Upper

75 100

77 61.7 23.8 44.2#



Abundance Ion 75.05 (74.75 to 75.75): VU041626.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU041626.D (-2120) (-)

8.19

400

300

200

100

0

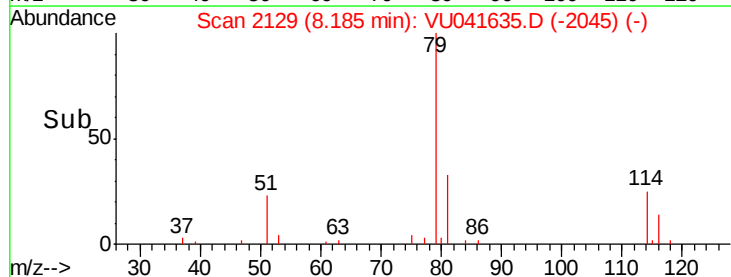
8.16

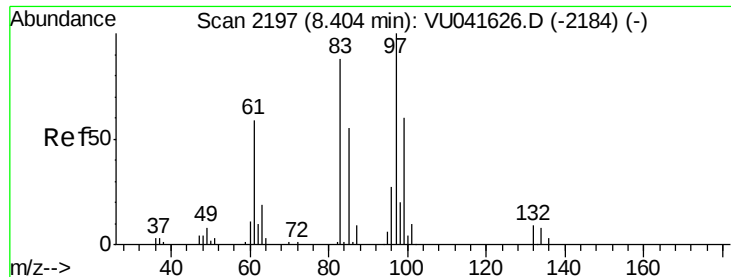
8.18

8.20

8.22

Time-->





#45

1,1,2-Trichloroethane

Concen: 0.650 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.15 min

Lab File: VU041635.D

Acq: 15 Dec 2020 14:44

Instrument :

MSVOA_U

ClientSampled :

GB1H8

Tot Ion: 97 Resp: 4442

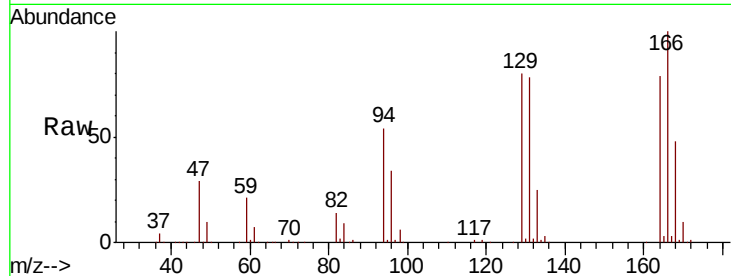
Ion Ratio Lower Upper

97 100

99 16.4 42.1 78.3#

83 260.2 62.6 116.2#

85 36.8 39.1 72.7#



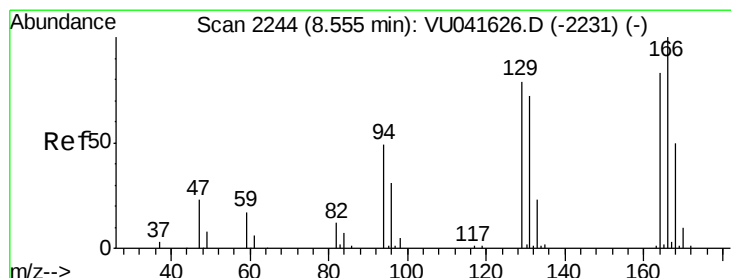
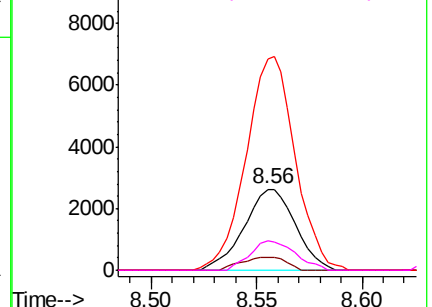
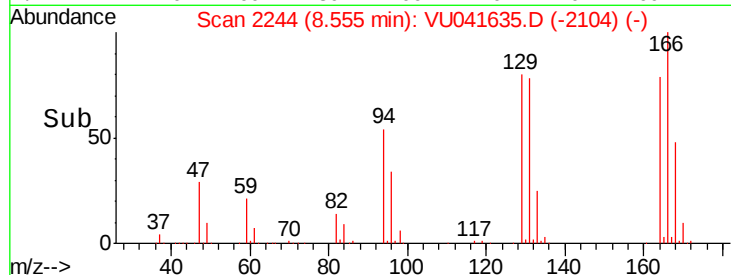
Abundance

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: 68.732 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041635.D

Acq: 15 Dec 2020 14:44

Tgt Ion:164 Resp: 436457

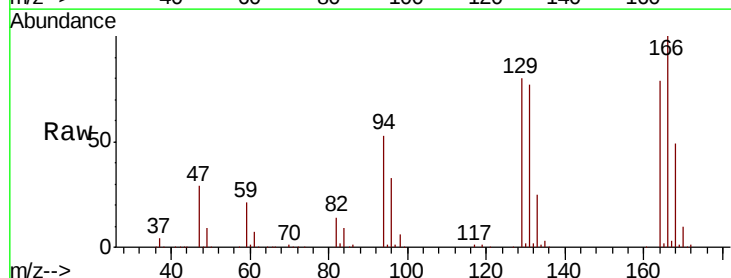
Ion Ratio Lower Upper

164 100

129 100.9 72.2 134.0

131 98.2 66.9 124.3

166 126.8 89.6 166.4



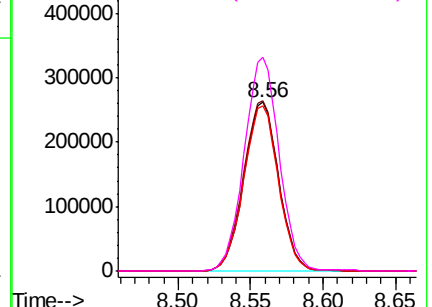
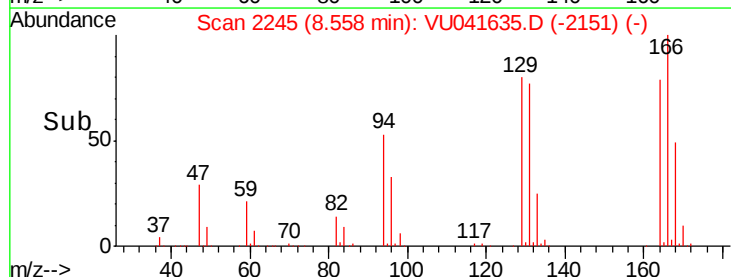
Abundance

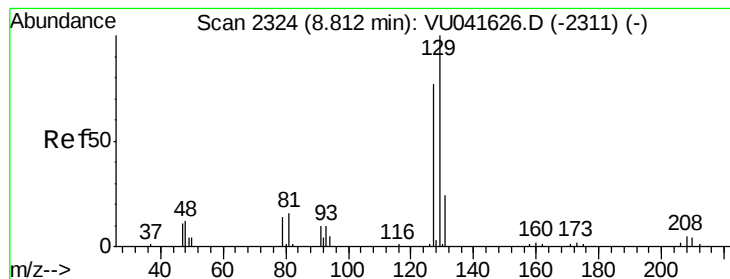
Ion 163.90 (163.60 to 164.60): V

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





#49

Dibromochloromethane

Concen: 56.448 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU041635.D

Acq: 15 Dec 2020 14:44

Instrument :

MSVOA_U

ClientSampleId :

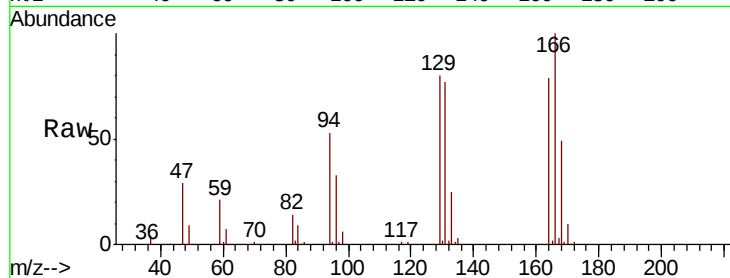
GB1H8

Tot Ion:129 Resp: 442751

Ion Ratio Lower Upper

129 100

127 0.1 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

250000

200000

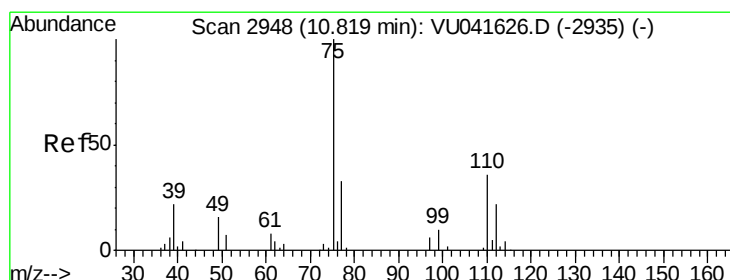
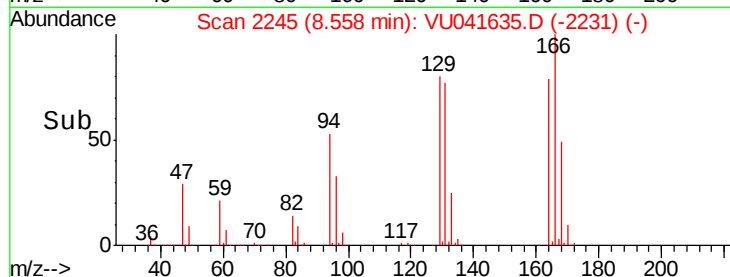
150000

100000

50000

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 0.786 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041635.D

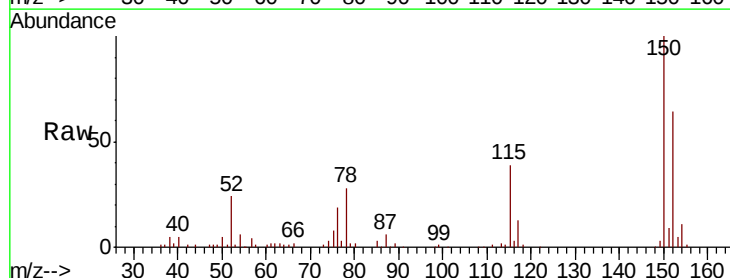
Acq: 15 Dec 2020 14:44

Tgt Ion: 75 Resp: 5448

Ion Ratio Lower Upper

75 100

77 41.6 26.2 39.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

4000

3000

2000

1000

0

Time-->

