

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121420\
 Data File : VU041618.D
 Acq On : 14 Dec 2020 18:14
 Operator : SY/MD
 Sample : L5027-16
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB1J7

Quant Time: Dec 15 00:49:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 15 00:46:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	121186	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	113611	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	54757	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	30578	3.23	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.60%
7) Chloroethane-d5	1.92	69	31746	4.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.60%
11) 1,1-Dichloroethene-d2	2.58	63	52250	2.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.80%#
20) 2-Butanone-d5	4.66	46	151453	55.65	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.30%
24) Chloroform-d	5.08	84	78168	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	5.72	65	48324	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.00%
32) Benzene-d6	5.74	84	153579	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
36) 1,2-Dichloropropane-d6	6.70	67	51286	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	7.91	98	132021	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	8.19	79	20341	4.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.80%
46) 2-Hexanone-d5	8.64	63	119944	47.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.68%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	51197	5.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	54805	5.63	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.60%

Target Compounds

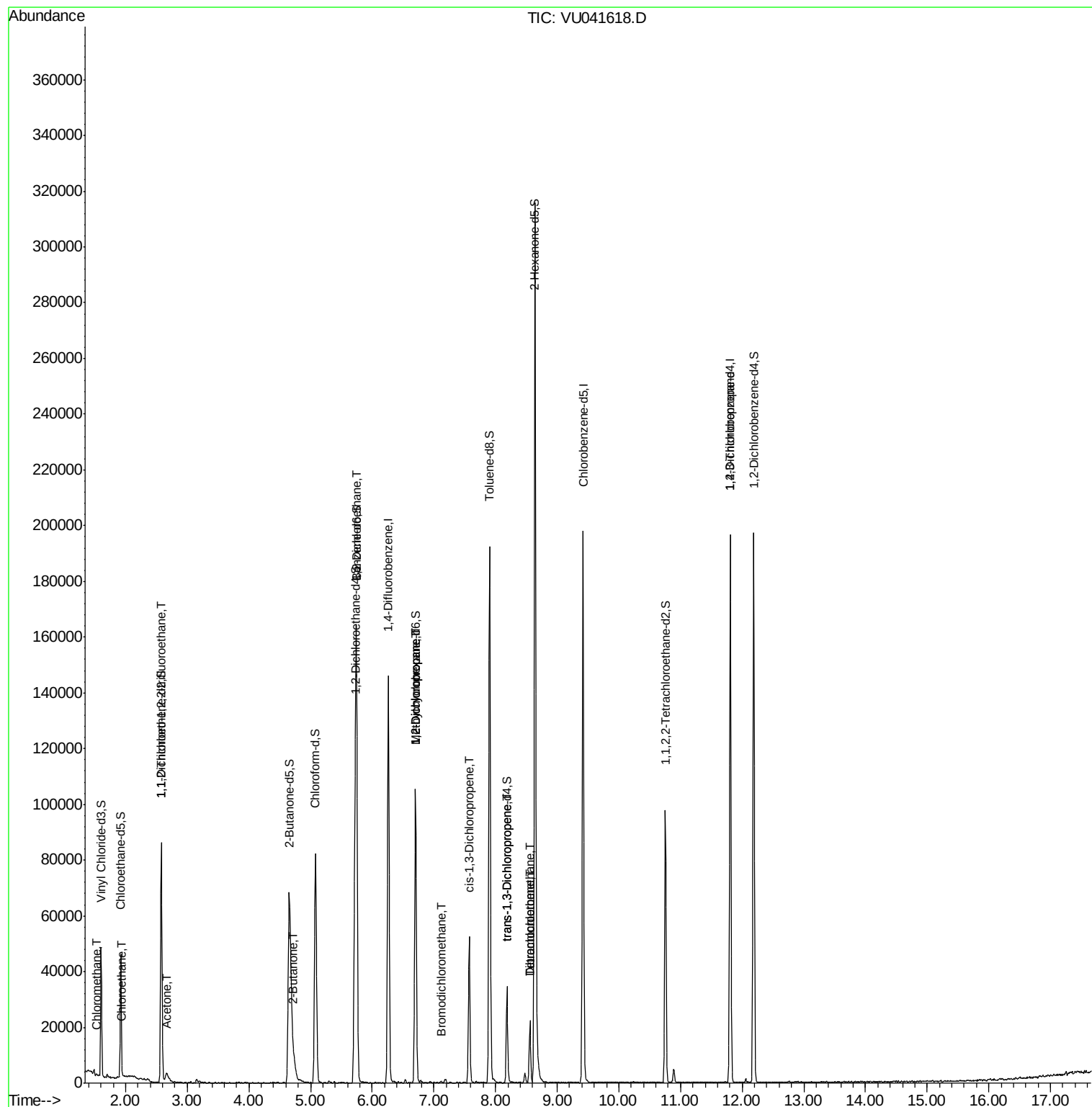
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	433	0.043	ug/L	97
8) Chloroethane	1.95	64	378	0.051	ug/L #	69
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	426	0.051	ug/L #	22
13) Acetone	2.66	43	7151	4.131	ug/L	63
21) 2-Butanone	4.73	43	4918	1.744	ug/L	80
27) 1,2-Dichloroethane	5.75	62	794	0.073	ug/L #	73
35) Methylcyclohexane	6.70	83	12622	0.855	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	5291	0.569	ug/L #	88
38) Bromodichloromethane	7.11	83	428	0.037	ug/L #	81
39) cis-1,3-Dichloropropene	7.57	75	1197	0.087	ug/L #	50
44) trans-1,3-Dichloropropene	8.19	75	816	0.066	ug/L	96
47) Tetrachloroethene	8.56	164	4843	0.758	ug/L	87
49) Dibromochloromethane	8.56	129	4816	0.610	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5779	0.828	ug/L	98

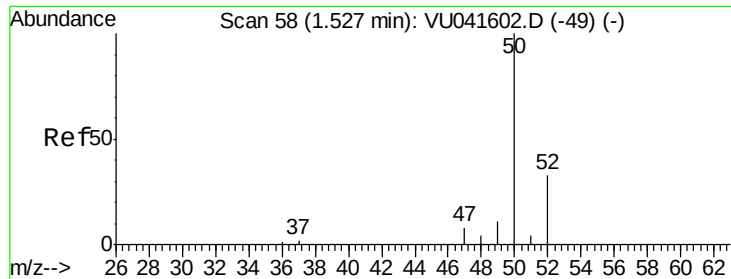
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 15 00:46:25 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.043 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041618.D

Acq: 14 Dec 2020 18:14

Instrument :

MSVOA_U

ClientSampleId :

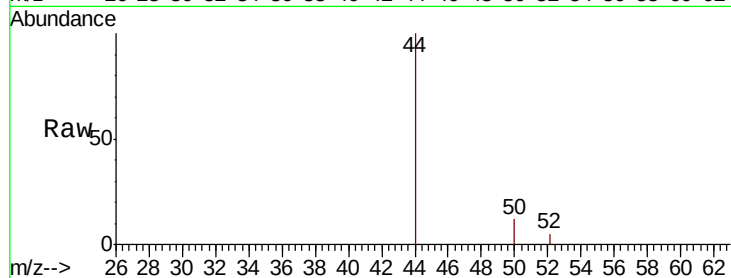
GB1J7

Tot Ion: 50 Resp: 433

Ion Ratio Lower Upper

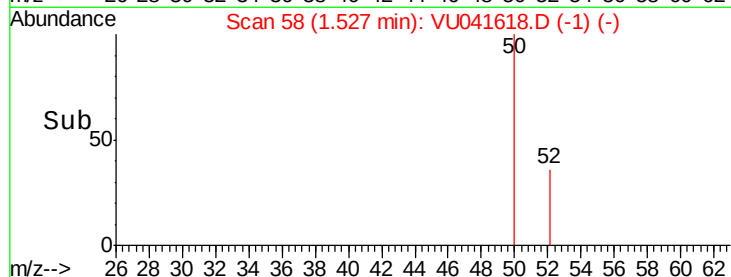
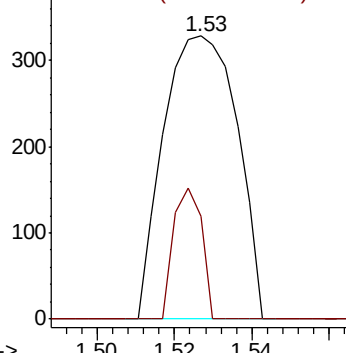
50 100

52 36.3 24.1 44.8

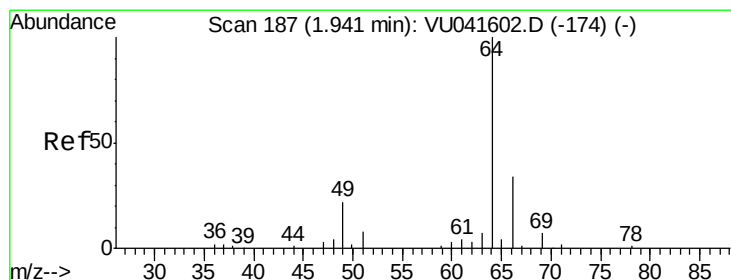


Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



Time-->



#8

Chloroethane

Concen: 0.051 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.01 min

Lab File: VU041618.D

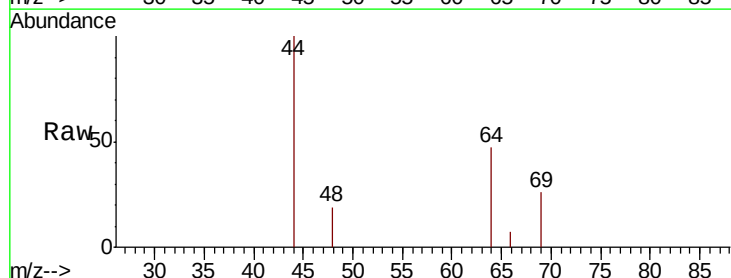
Acq: 14 Dec 2020 18:14

Tgt Ion: 64 Resp: 378

Ion Ratio Lower Upper

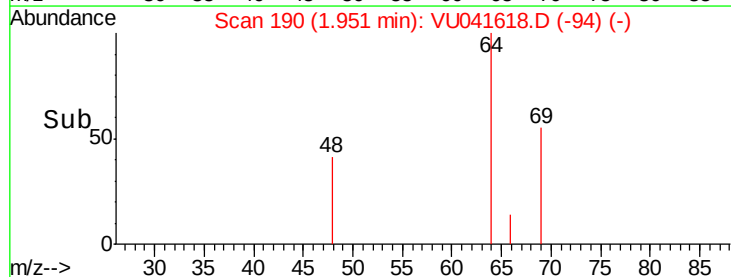
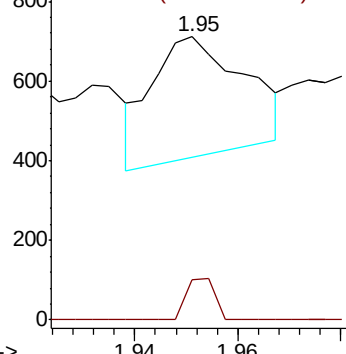
64 100

66 14.1 21.6 40.0#

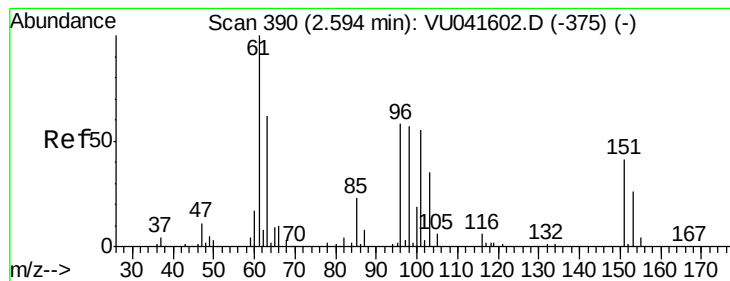


Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



Time-->



#10

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

Concen: 0.051 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041618.D

Acq: 14 Dec 2020 18:14

Instrument :

MSVOA_U

ClientSampleId :

GB1J7

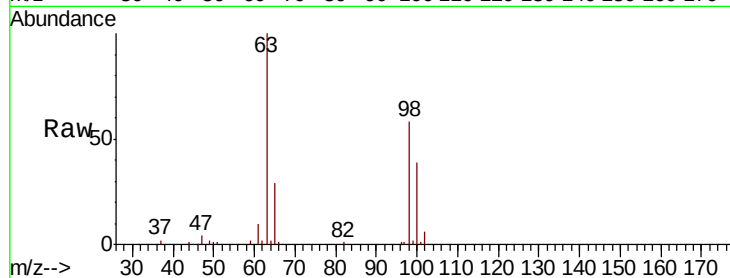
Tot Ion:101 Resp: 426

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

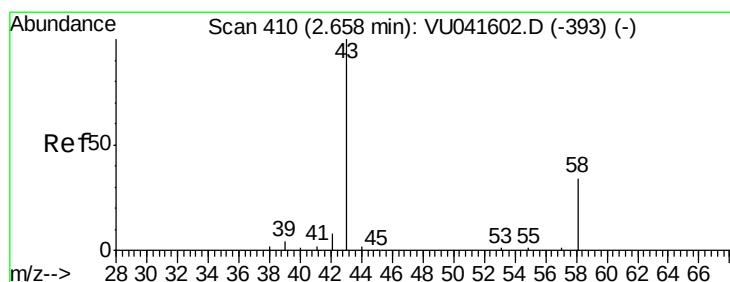
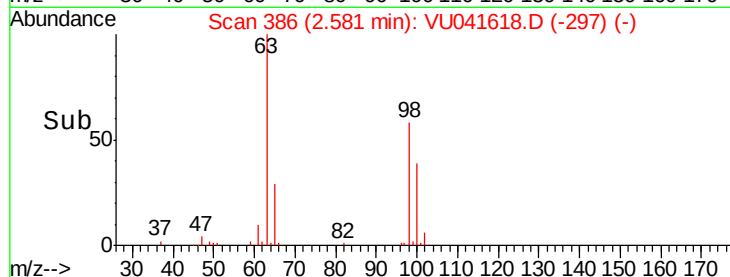
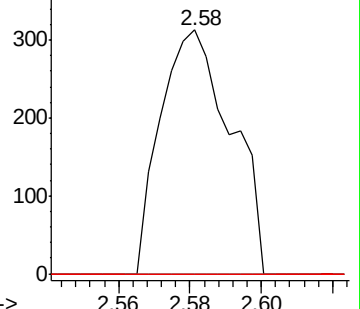
151 0.0 56.2 84.4#



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: 4.131 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.01 min

Lab File: VU041618.D

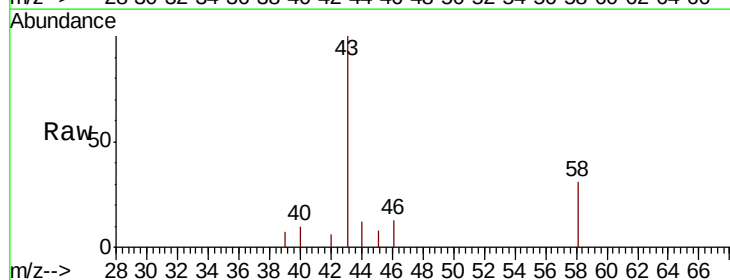
Acq: 14 Dec 2020 18:14

Tgt Ion: 43 Resp: 7151

Ion Ratio Lower Upper

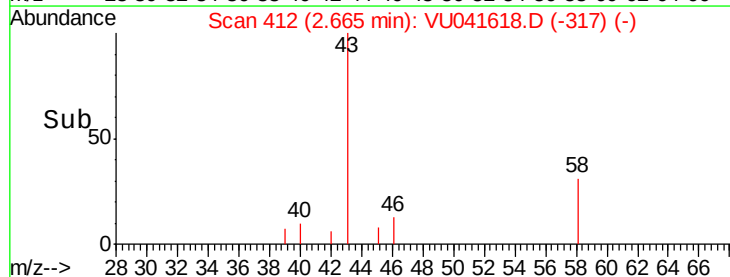
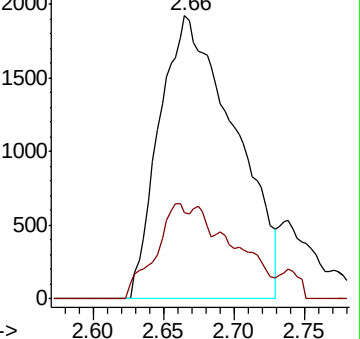
43 100

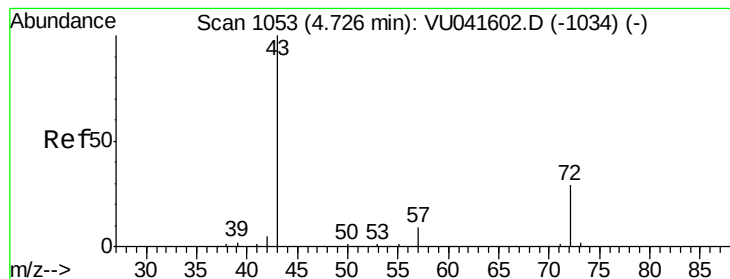
58 14.7 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#21

2-Butanone

Concen: 1.744 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VU041618.D

Acq: 14 Dec 2020 18:14

Instrument :

MSVOA_U

ClientSampled :

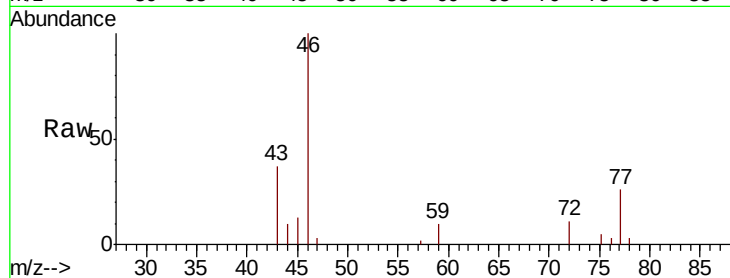
GB1J7

Tot Ion: 43 Resp: 4918

Ion Ratio Lower Upper

43 100

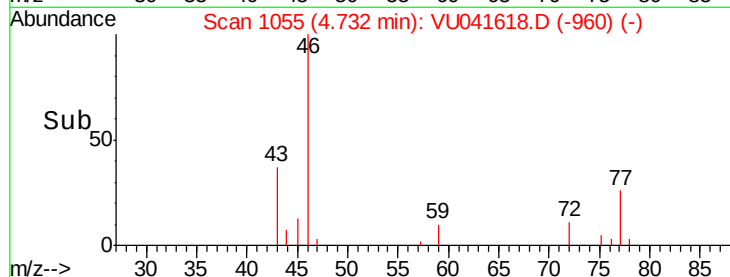
72 18.7 14.6 44.0



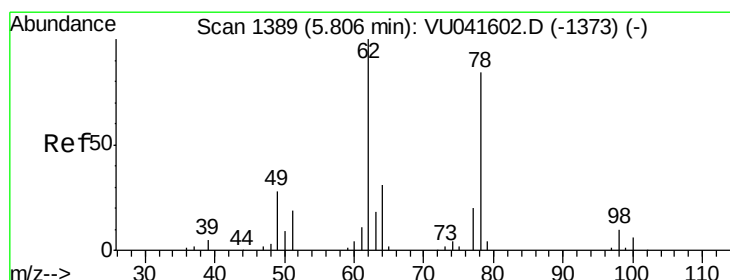
Abundance Ion 43.05 (42.75 to 43.75): VU041618.D (-960) (-)

Ion 72.10 (71.80 to 72.80): VU041618.D (-960) (-)

Time-->



Time-->



#27

1,2-Dichloroethane

Concen: 0.073 ug/L

RT: 5.75 min Scan# 1370

Delta R.T. -0.06 min

Lab File: VU041618.D

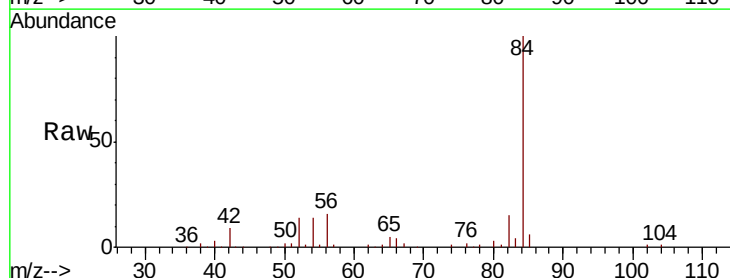
Acq: 14 Dec 2020 18:14

Tgt Ion: 62 Resp: 794

Ion Ratio Lower Upper

62 100

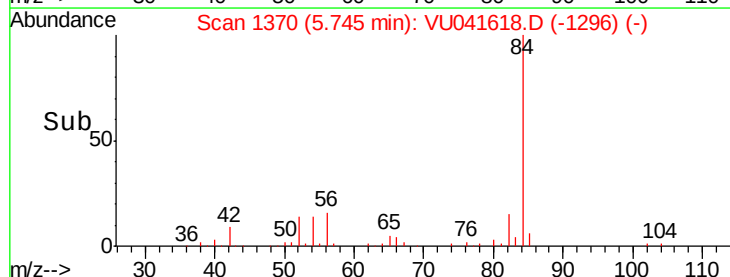
98 0.0 8.2 12.2#



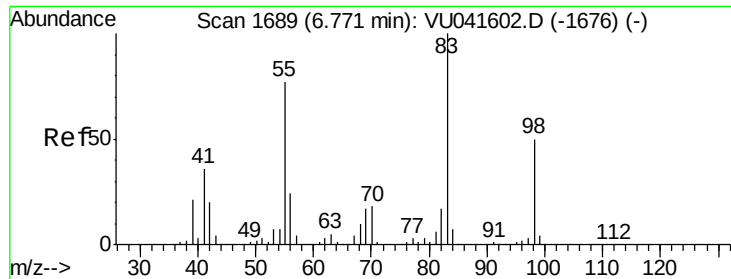
Abundance Ion 62.00 (61.70 to 62.70): VU041618.D (-1296) (-)

Ion 98.05 (97.75 to 98.75): VU041618.D (-1296) (-)

Time-->



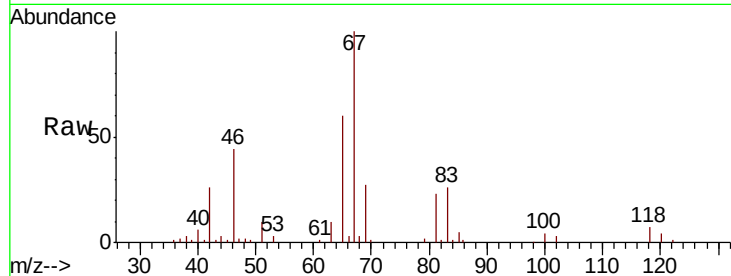
Time-->



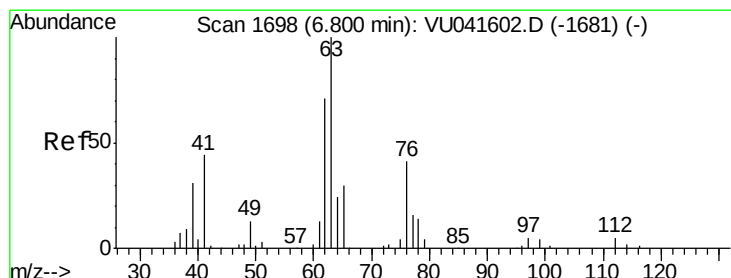
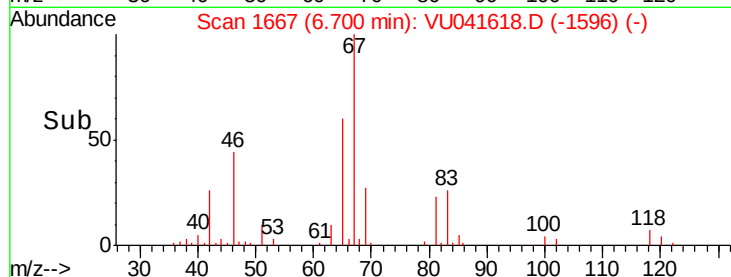
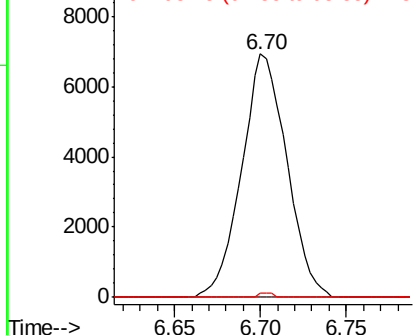
#35
Methylvlcyclohexane
Concen: 0.855 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041618.D
Acq: 14 Dec 2020 18:14

Instrument :
MSVOA_U
ClientSampleId :
GB1J7

Tot Ion	Ratio	Lower	Upper
83	100		
55	0.0	61.2	91.8#
98	0.5	36.6	54.8#

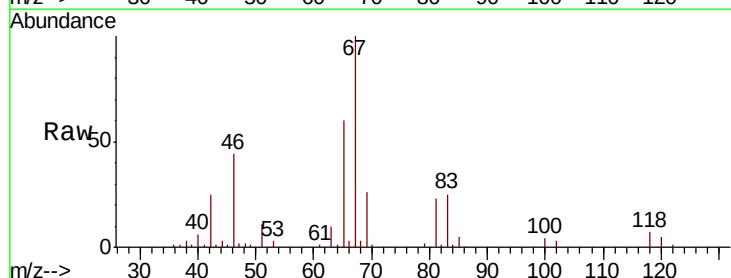


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

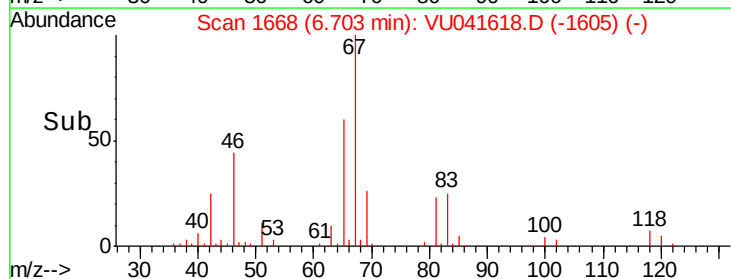
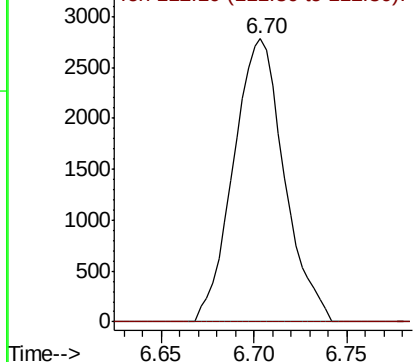


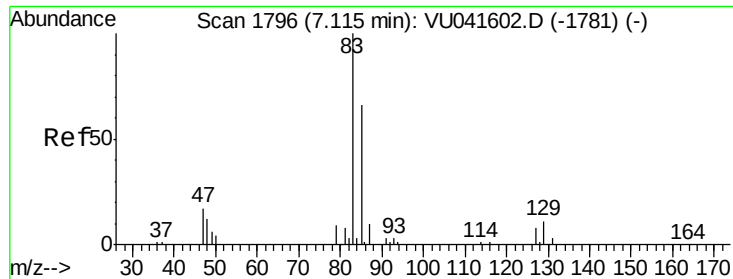
#37
1,2-Dichloropropane
Concen: 0.569 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041618.D
Acq: 14 Dec 2020 18:14

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.1	4.7#



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





#38

Bromodichloromethane

Concen: 0.037 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU041618.D

Acq: 14 Dec 2020 18:14

Instrument :

MSVOA_U

ClientSampleId :

GB1J7

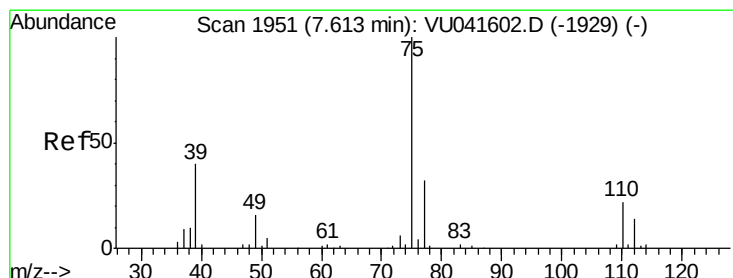
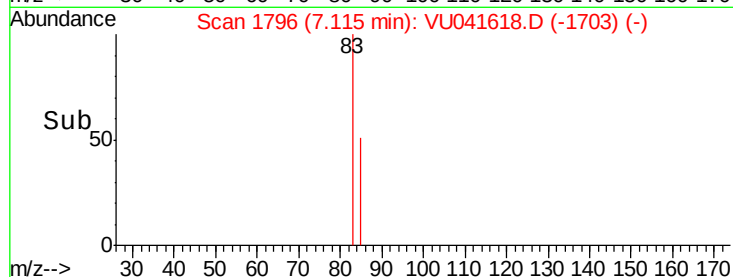
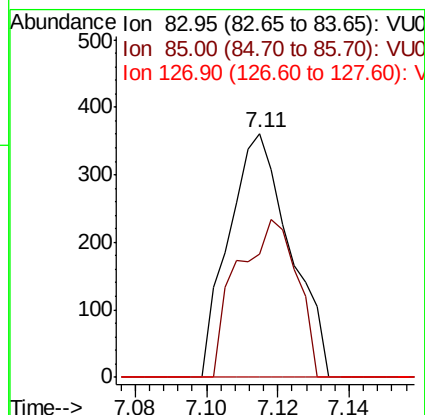
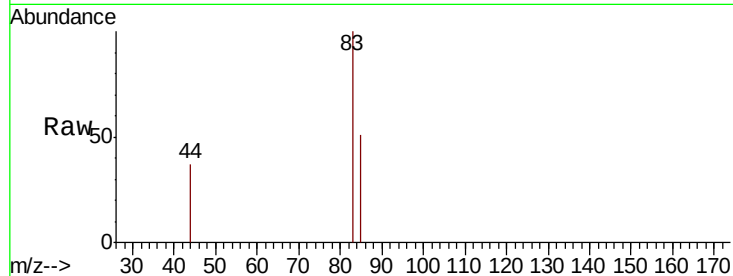
Tot Ion: 83 Resp: 428

Ion Ratio Lower Upper

83 100

85 50.7 45.5 84.5

127 0.0 7.0 10.6#



#39

cis-1,3-Dichloropropene

Concen: 0.087 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU041618.D

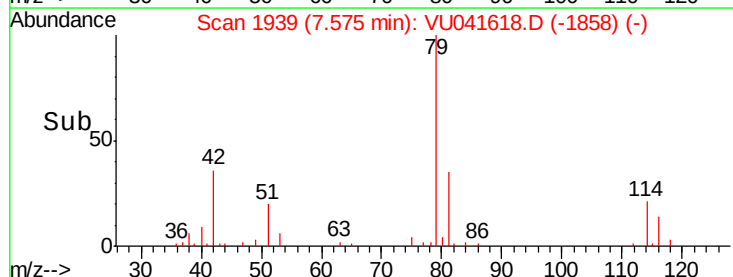
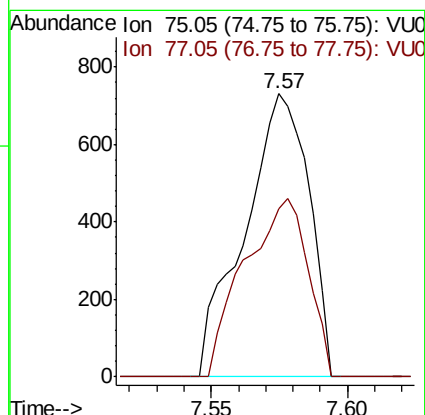
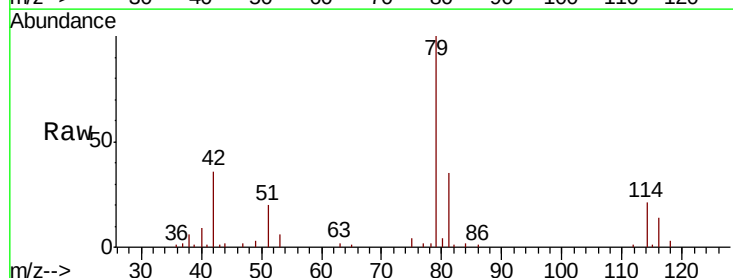
Acq: 14 Dec 2020 18:14

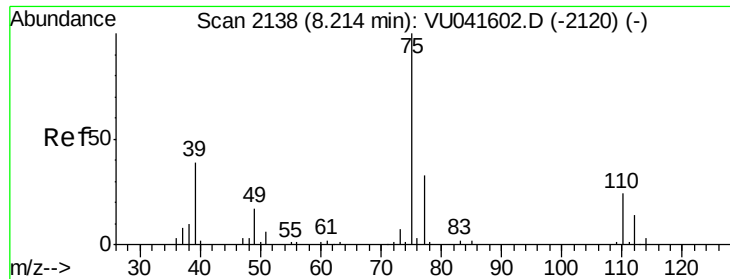
Tgt Ion: 75 Resp: 1197

Ion Ratio Lower Upper

75 100

77 59.5 22.3 41.3#





#44

trans-1,3-Dichloropropene

Concen: 0.066 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041618.D

Acq: 14 Dec 2020 18:14

Instrument :

MSVOA_U

ClientSampled :

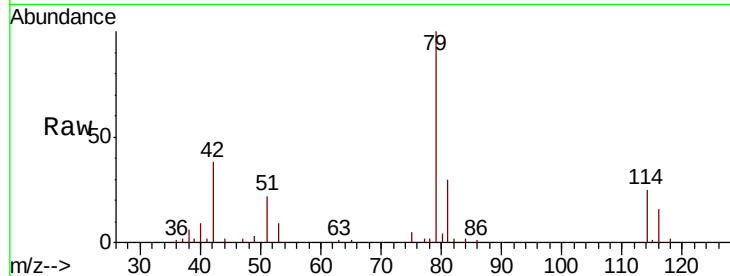
GB1J7

Tot Ion: 75 Resp: 816

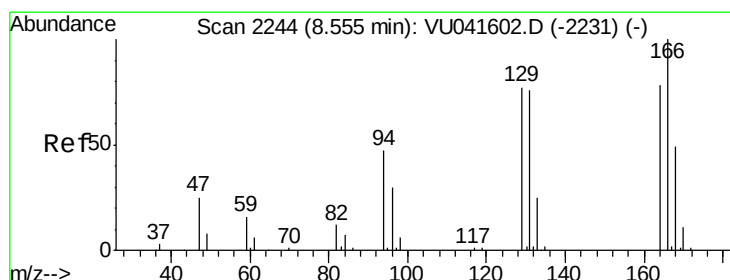
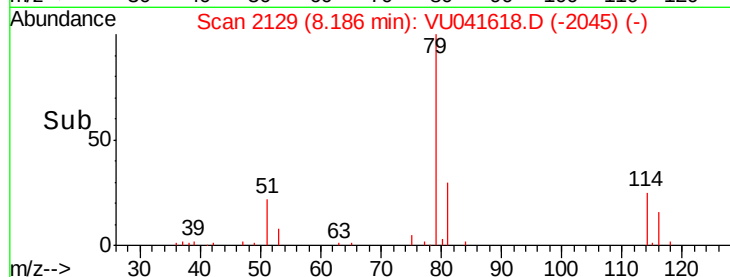
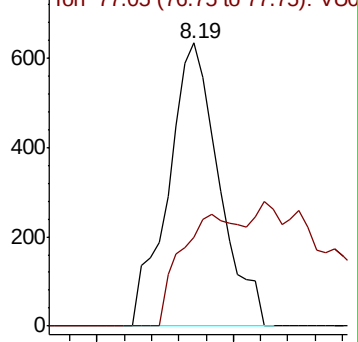
Ion Ratio Lower Upper

75 100

77 31.6 23.8 44.2



Abundance Ion 75.05 (74.75 to 75.75): VU041618.D (-2120) (-)



#47

Tetrachloroethene

Concen: 0.758 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041618.D

Acq: 14 Dec 2020 18:14

Tgt Ion:164 Resp: 4843

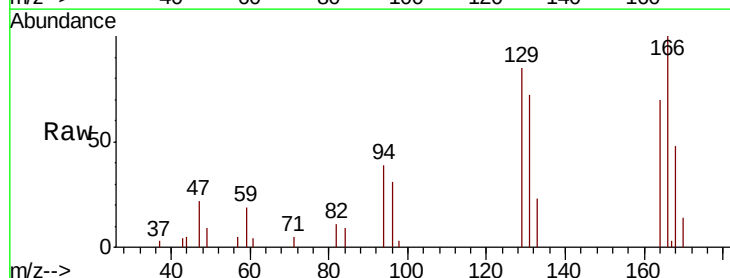
Ion Ratio Lower Upper

164 100

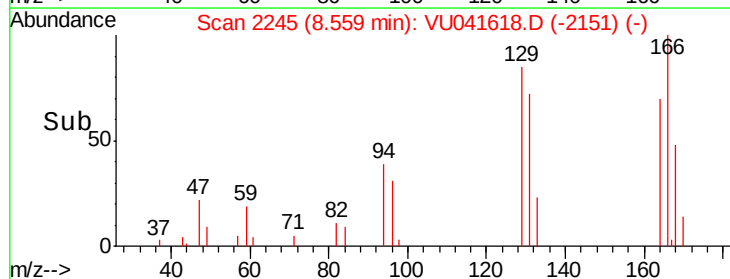
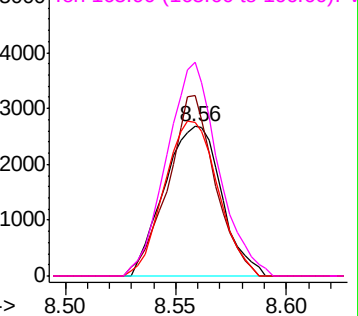
129 120.8 72.2 134.0

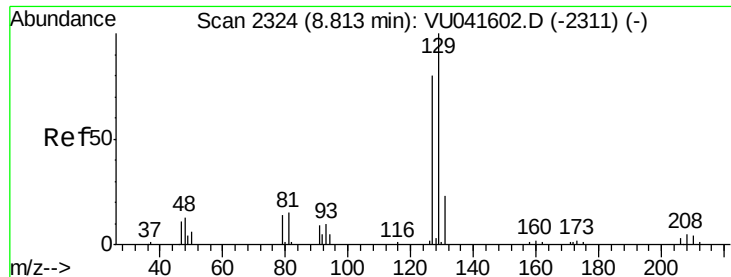
131 102.9 66.9 124.3

166 142.9 89.6 166.4



Abundance Ion 163.90 (163.60 to 164.60): VU041618.D (-2151) (-)





#49

Dibromochloromethane

Concen: 0.610 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU041618.D

Acq: 14 Dec 2020 18:14

Instrument :

MSVOA_U

ClientSampleId :

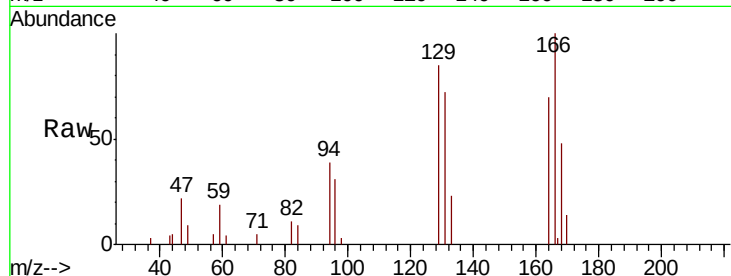
GB1J7

Tot Ion:129 Resp: 4816

Ion Ratio Lower Upper

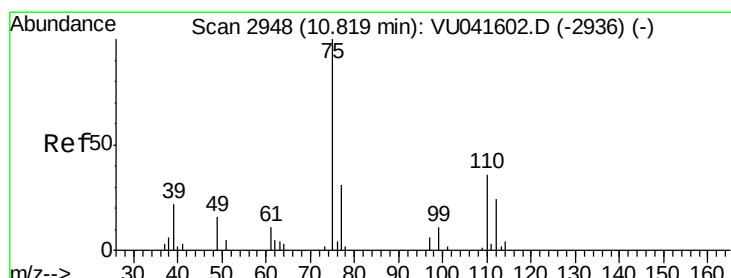
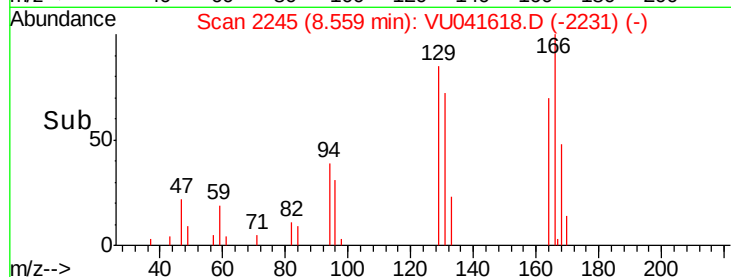
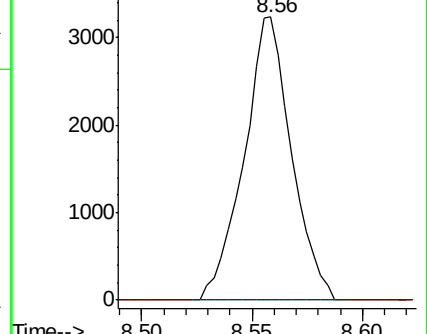
129 100

127 0.0 54.7 101.7#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 0.828 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041618.D

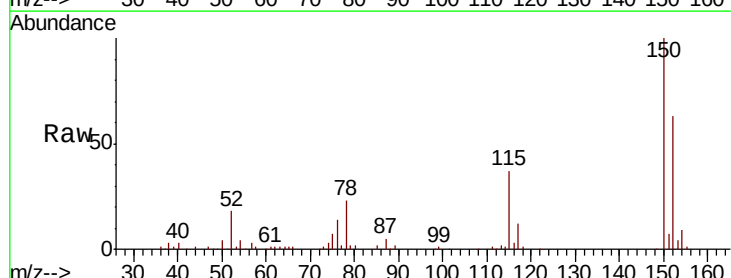
Acq: 14 Dec 2020 18:14

Tgt Ion: 75 Resp: 5779

Ion Ratio Lower Upper

75 100

77 33.8 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

