

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110320\
 Data File : VU041069.D
 Acq On : 03 Nov 2020 11:29
 Operator : SY/MD
 Sample : L4584-02DL 200X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSF0DL

Quant Time: Nov 04 00:58:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 04 00:51:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	50524	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	51571	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	22283	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	19051	4.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.80%
7) Chloroethane-d5	1.92	69	15047	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.20%
11) 1,1-Dichloroethene-d2	2.58	63	28007	3.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.20%
20) 2-Butanone-d5	4.66	46	83720	59.90	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.80%
24) Chloroform-d	5.08	84	36587	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.72	65	24293	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
32) Benzene-d6	5.74	84	65991	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.70	67	23530	5.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.80%
41) Toluene-d8	7.91	98	53017	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
43) trans-1,3-Dichloropropene-	8.18	79	9250	4.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.00%
46) 2-Hexanone-d5	8.64	63	58691	56.00	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.00%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	22319	5.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	20019	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

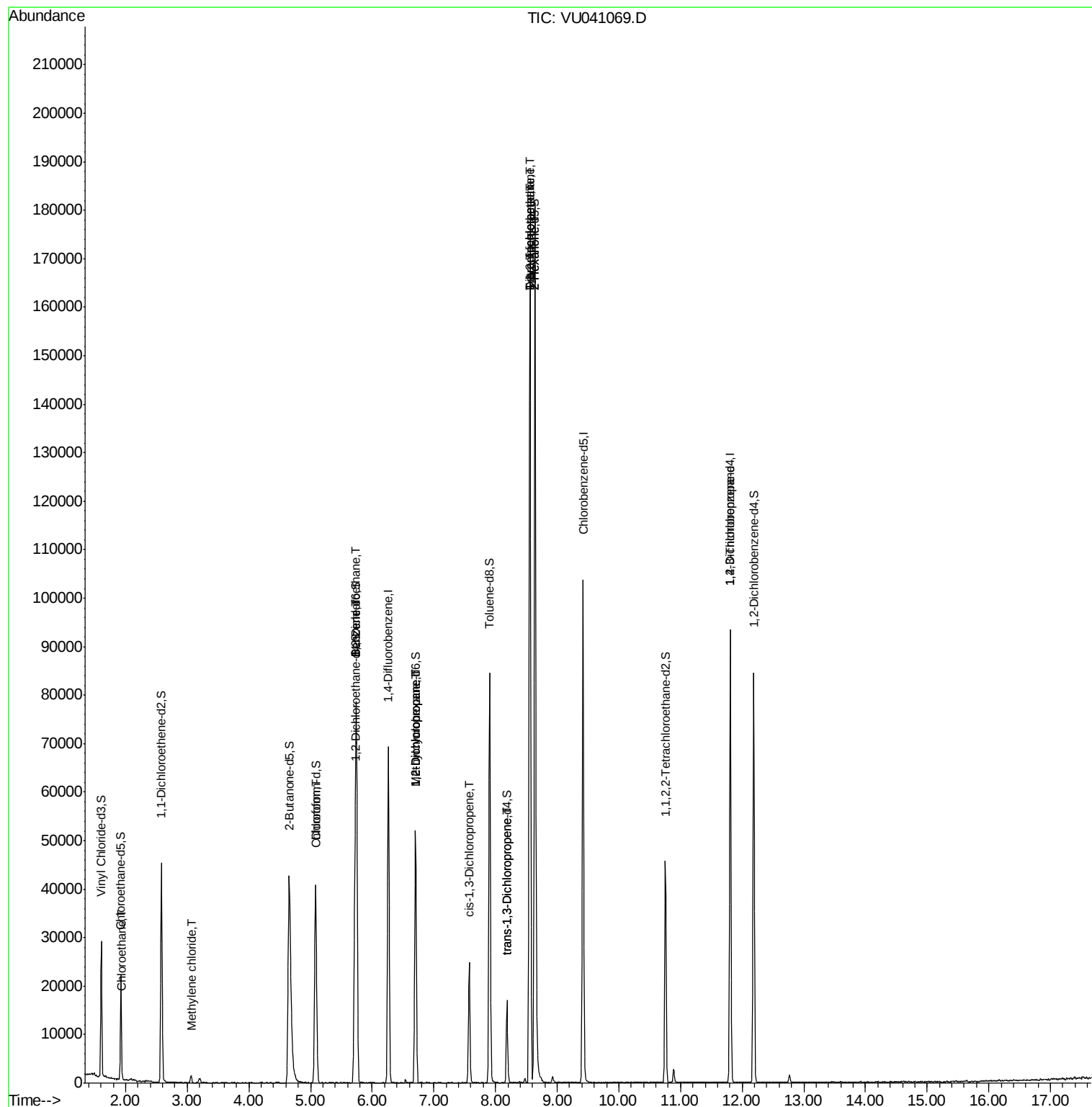
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.94	64	191	0.064	ug/L #	43
16) Methylene chloride	3.06	84	565	0.136	ug/L	88
25) Chloroform	5.10	83	628	0.086	ug/L	93
27) 1,2-Dichloroethane	5.75	62	348	0.064	ug/L #	74
33) Benzene	5.74	78	487	0.032	ug/L	100
35) Methylcyclohexane	6.70	83	5342	0.913	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	2612	0.626	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	687	0.120	ug/L #	71
44) trans-1,3-Dichloropropene	8.18	75	402	0.075	ug/L	98
45) 1,1,2-Trichloroethane	8.56	97	332	0.107	ug/L #	7
47) Tetrachloroethene	8.56	164	36106	12.521	ug/L	97
48) 2-Hexanone	8.64	43	8322	3.324	ug/L #	68
49) Dibromochloromethane	8.56	129	37574	10.424	ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	3300	1.062	ug/L	94

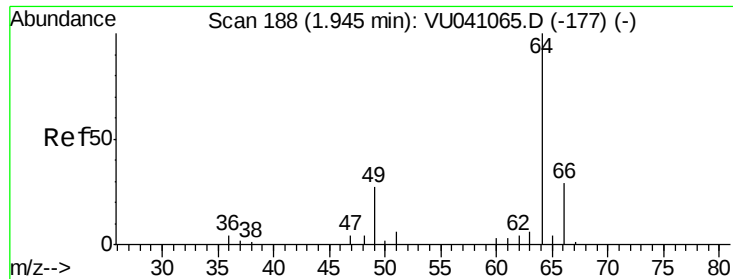
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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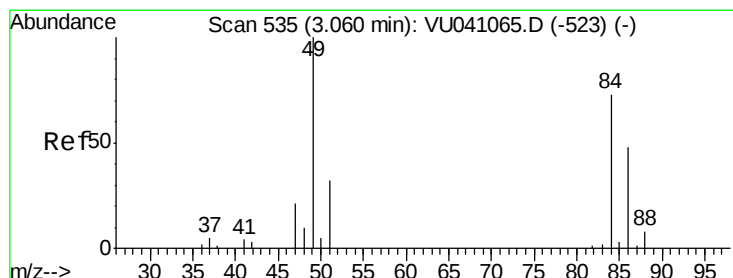
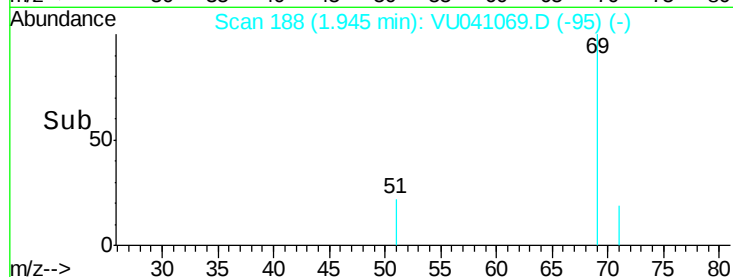
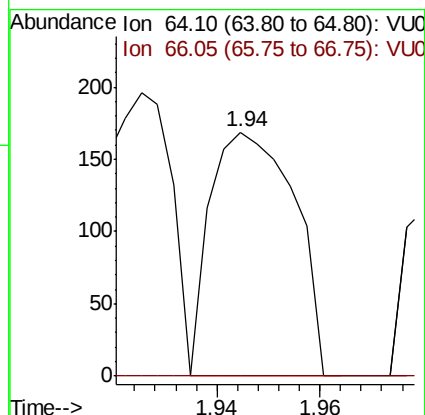
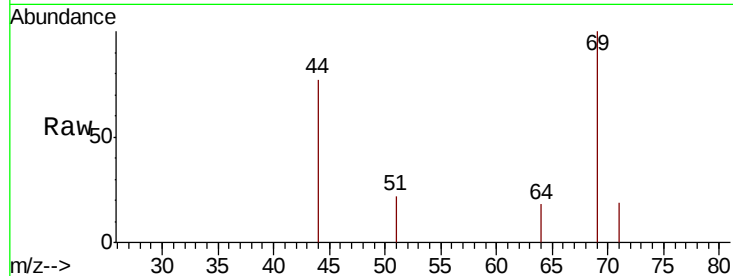




#8
Chloroethane
Concen: 0.064 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU041069.D
Acq: 03 Nov 2020 11:29

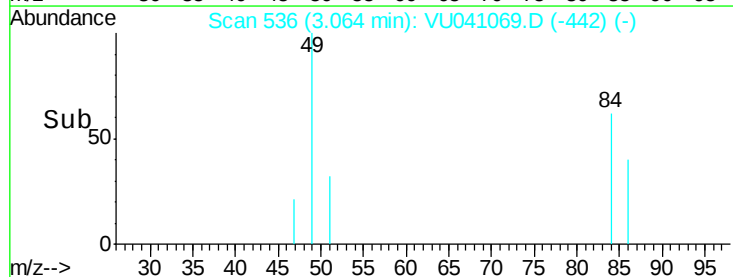
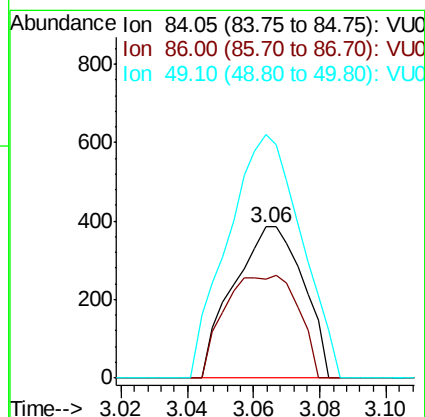
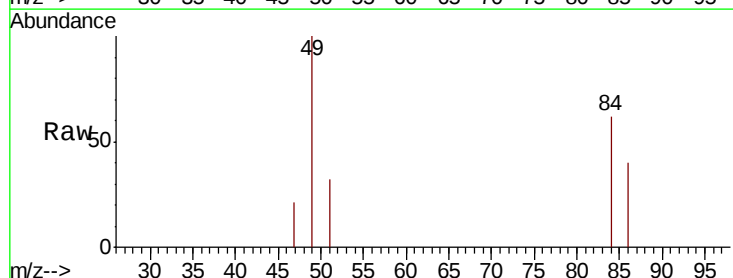
Instrument :
MSVOA_U
ClientSampleId :
BFSF0DL

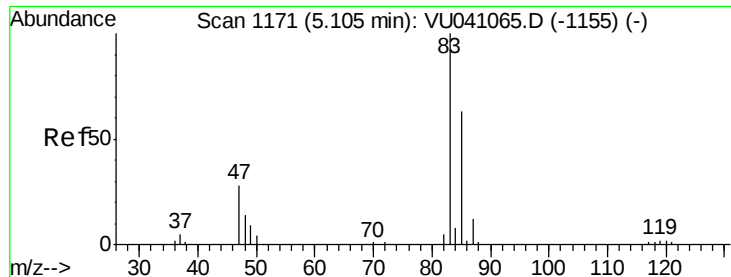
Tot Ion: 64 Resp: 191
Ion Ratio Lower Upper
64 100
66 0.0 22.3 41.5#



#16
Methylene chloride
Concen: 0.136 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU041069.D
Acq: 03 Nov 2020 11:29

Tgt Ion: 84 Resp: 565
Ion Ratio Lower Upper
84 100
86 65.2 42.8 79.6
49 161.3 99.5 184.7

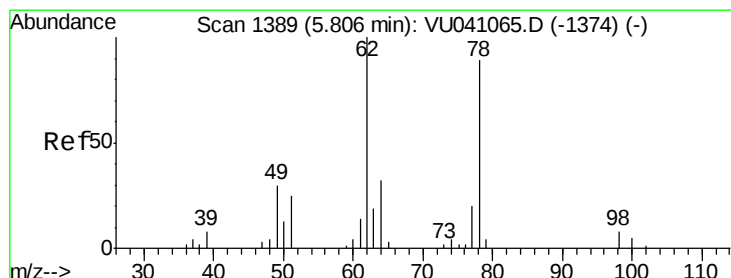
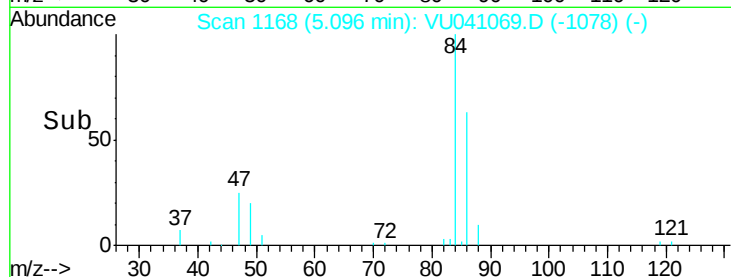
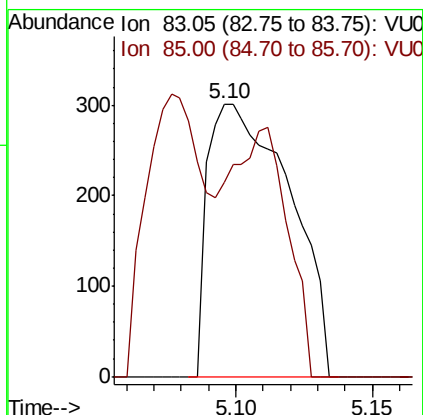
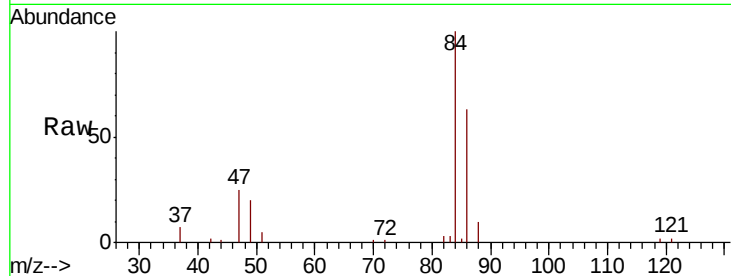




#25
Chloroform
Concen: 0.086 ug/L
RT: 5.10 min Scan# 1168
Delta R.T. -0.01 min
Lab File: VU041069.D
Acq: 03 Nov 2020 11:29

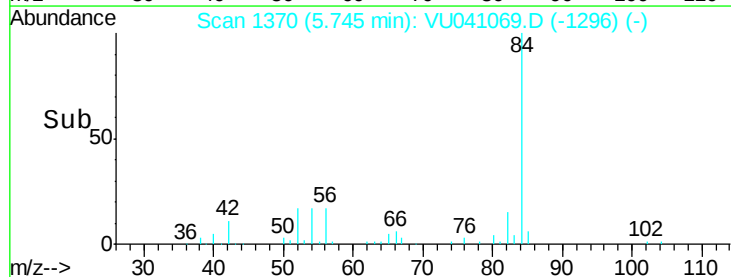
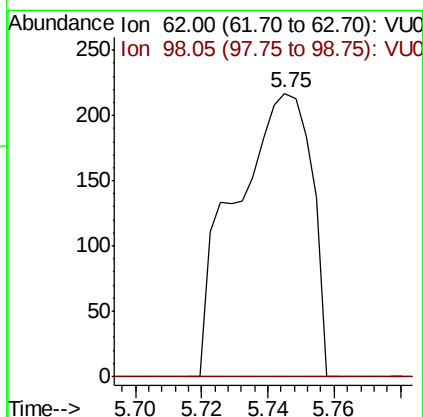
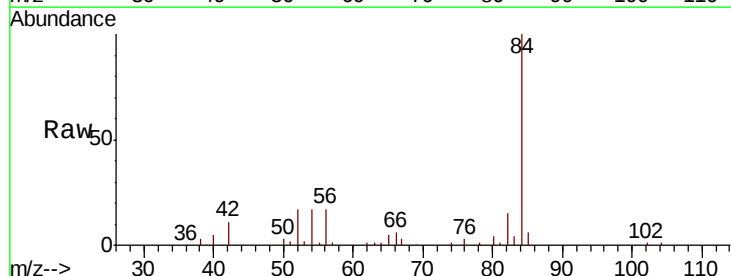
Instrument :
MSVOA_U
ClientSampleId :
BFSF0DL

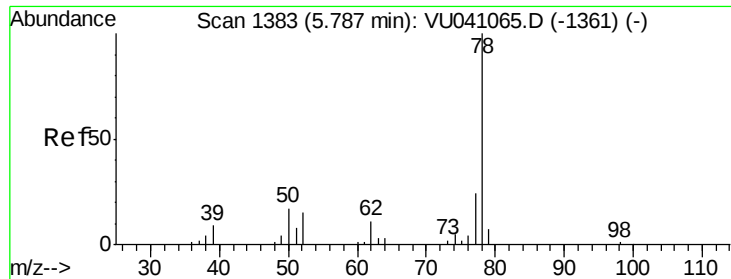
Tot Ion: 83 Resp: 628
Ion Ratio Lower Upper
83 100
85 71.4 46.1 85.7



#27
1,2-Dichloroethane
Concen: 0.064 ug/L
RT: 5.75 min Scan# 1370
Delta R.T. -0.06 min
Lab File: VU041069.D
Acq: 03 Nov 2020 11:29

Tgt Ion: 62 Resp: 348
Ion Ratio Lower Upper
62 100
98 0.0 7.6 11.4#

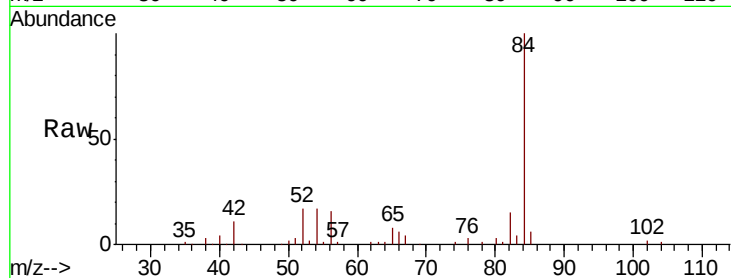




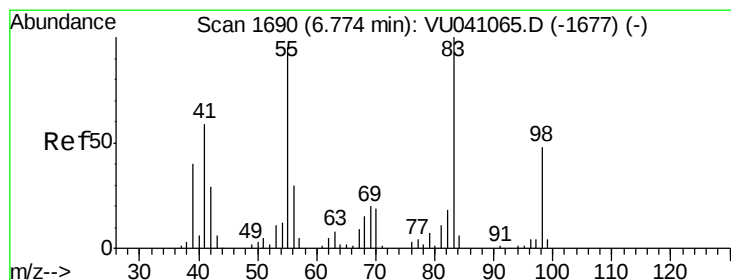
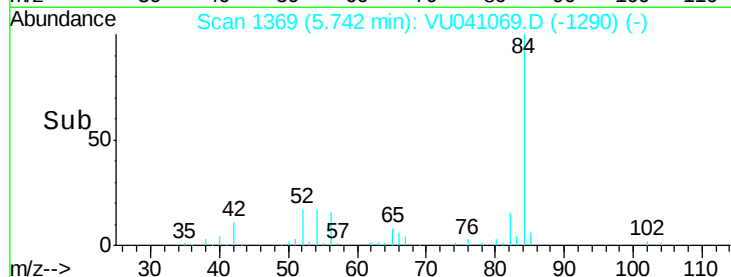
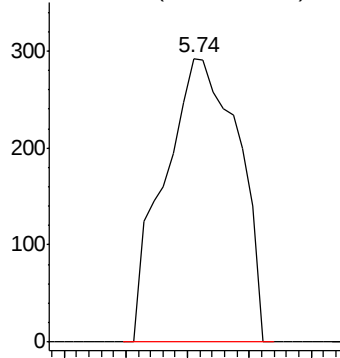
#33
Benzene
Concen: 0.032 ug/L
RT: 5.74 min Scan# 1369
Delta R.T. -0.05 min
Lab File: VU041069.D
Acq: 03 Nov 2020 11:29

Instrument :
MSVOA_U
ClientSampleId :
BFSF0DL

Tgt Ion: 78 Resp: 487

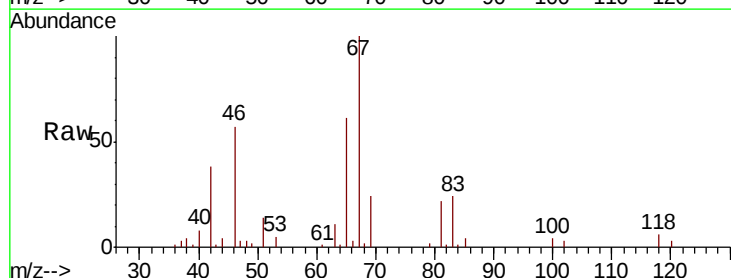


Abundance Ion 78.10 (77.80 to 78.80): VU0



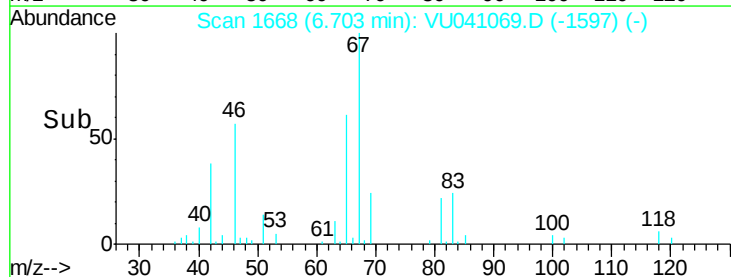
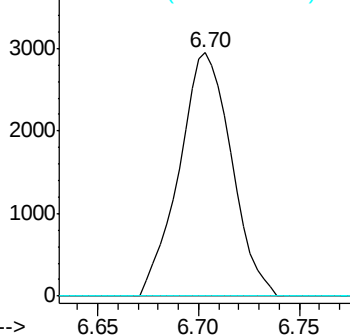
#35
Methylcyclohexane
Concen: 0.913 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041069.D
Acq: 03 Nov 2020 11:29

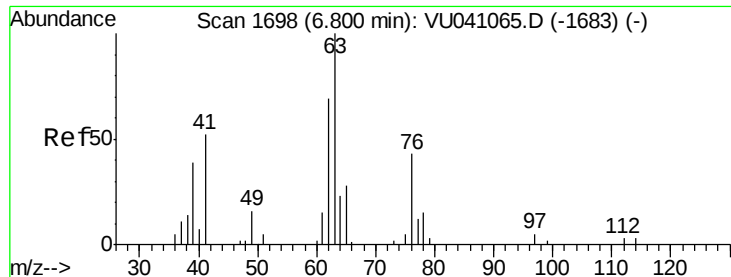
Tgt Ion: 83 Resp: 5342
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 1.5 36.6 55.0#



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: 0.626 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU041069.D

Acq: 03 Nov 2020 11:29

Instrument :

MSVOA_U

ClientSampleId :

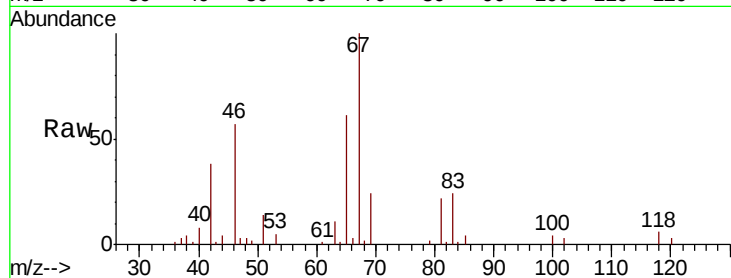
BFSF0DL

Tot Ion: 63 Resp: 2612

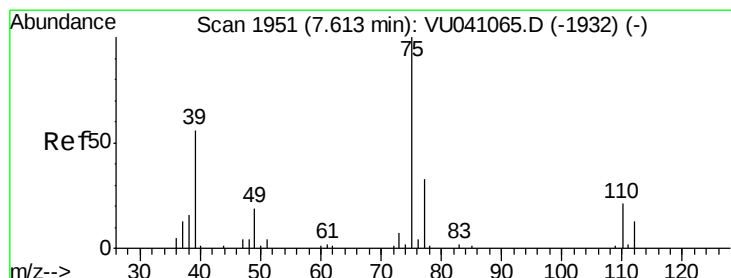
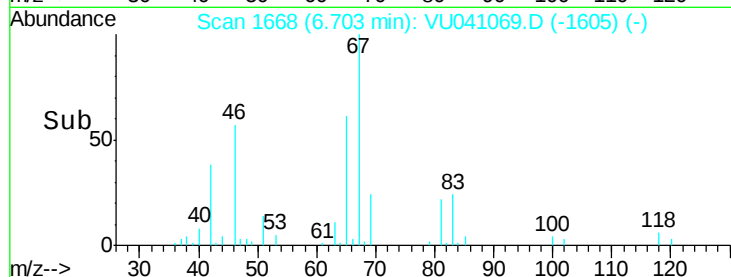
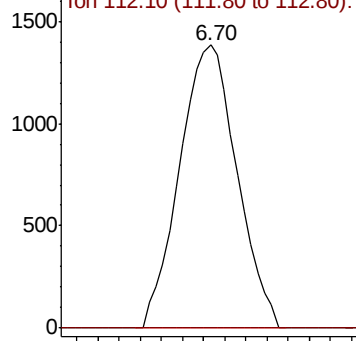
Ion Ratio Lower Upper

63 100

112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU041065.D (-1683) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.120 ug/L

RT: 7.57 min Scan# 1938

Delta R.T. -0.04 min

Lab File: VU041069.D

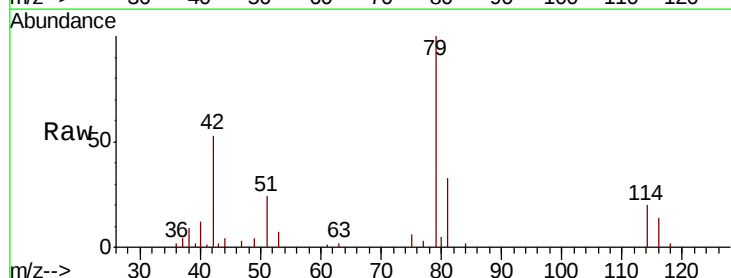
Acq: 03 Nov 2020 11:29

Tgt Ion: 75 Resp: 687

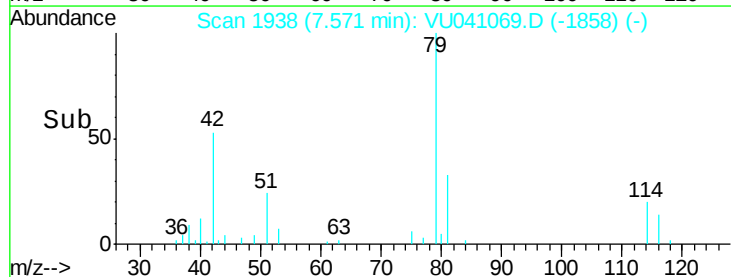
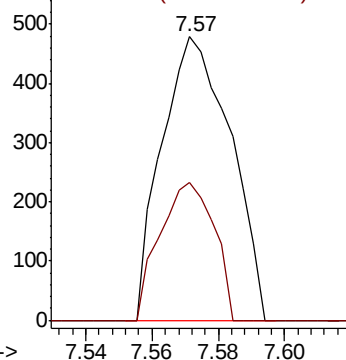
Ion Ratio Lower Upper

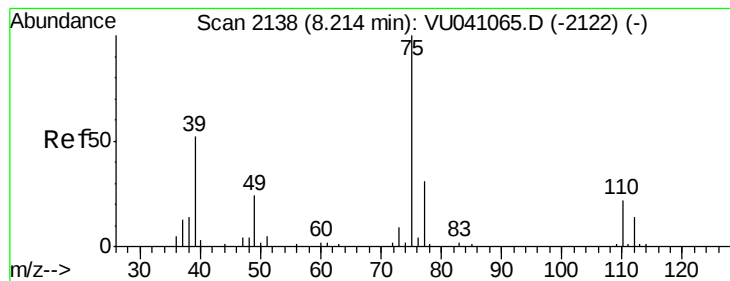
75 100

77 48.7 22.7 42.3#



Abundance Ion 75.05 (74.75 to 75.75): VU041065.D (-1932) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.075 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU041069.D

Acq: 03 Nov 2020 11:29

Instrument :

MSVOA_U

ClientSampleId :

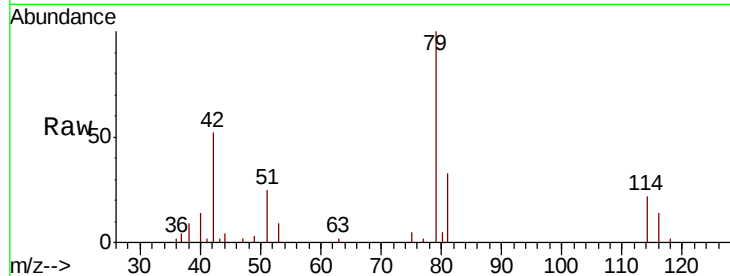
BFSF0DL

Tot Ion: 75 Resp: 402

Ion Ratio Lower Upper

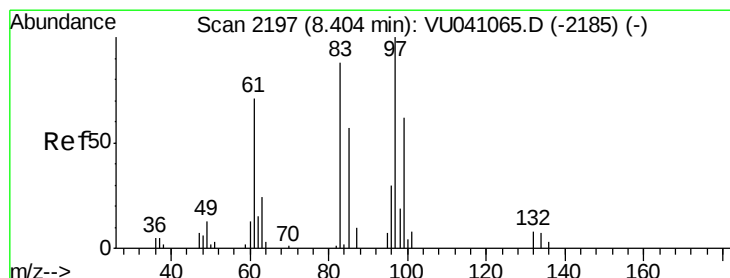
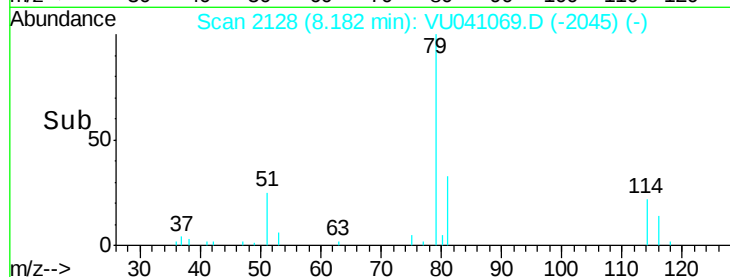
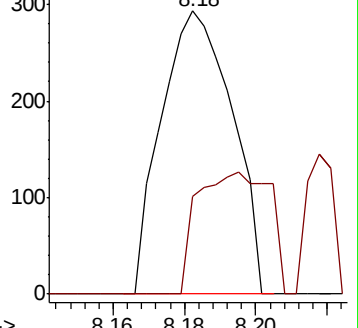
75 100

77 34.5 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#45

1,1,2-Trichloroethane

Concen: 0.107 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. 0.16 min

Lab File: VU041069.D

Acq: 03 Nov 2020 11:29

Tgt Ion: 97 Resp: 332

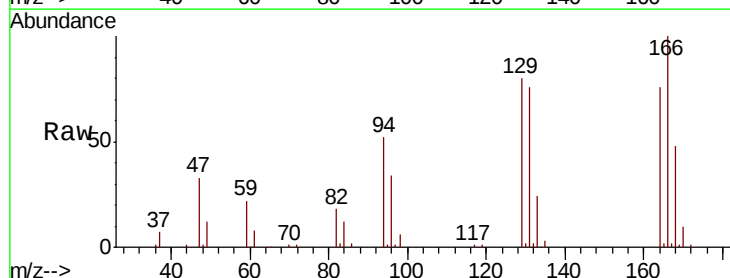
Ion Ratio Lower Upper

97 100

99 0.0 45.8 85.2#

83 202.9 67.9 126.1#

85 0.0 42.8 79.6#

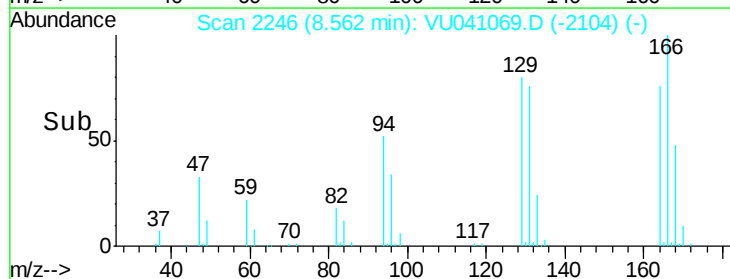
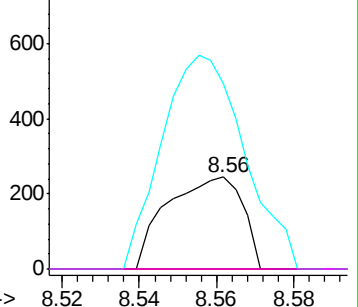


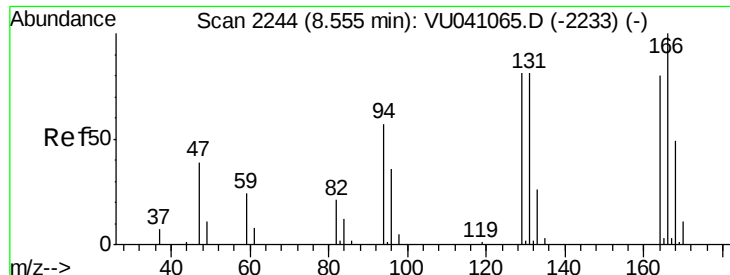
Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 12.521 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041069.D

Acq: 03 Nov 2020 11:29

Instrument :

MSVOA_U

ClientSampleId :

BFSF0DL

Tot Ion:164 Resp: 36106

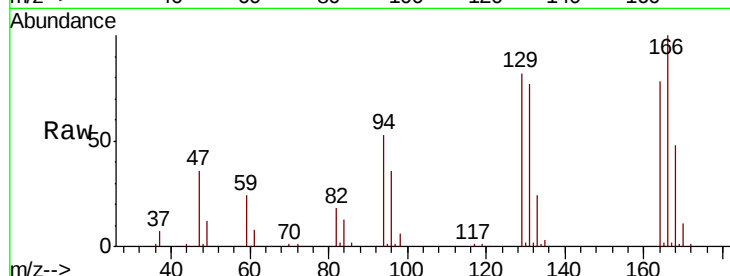
Ion Ratio Lower Upper

164 100

129 105.5 70.3 130.7

131 98.8 70.8 131.4

166 129.0 92.0 170.8

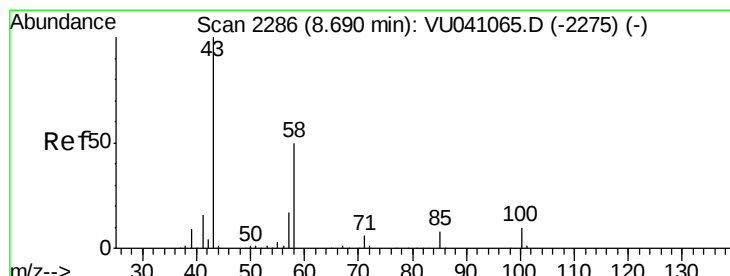
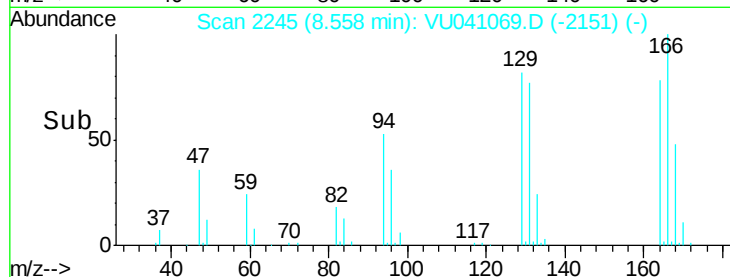
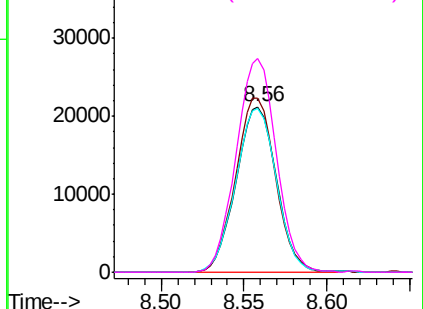


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.324 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU041069.D

Acq: 03 Nov 2020 11:29

Tgt Ion: 43 Resp: 8322

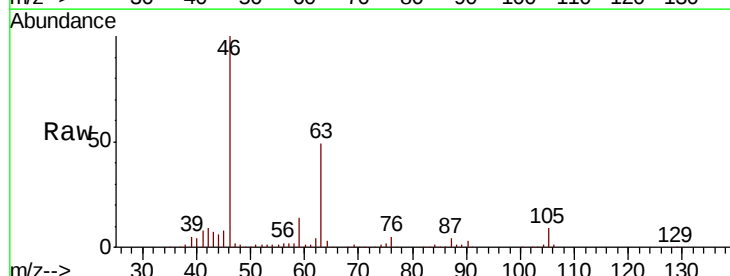
Ion Ratio Lower Upper

43 100

58 26.9 41.4 62.2#

57 28.9 14.6 21.8#

100 0.8 8.3 12.5#

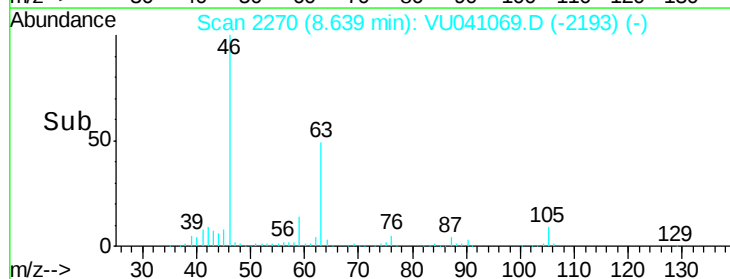
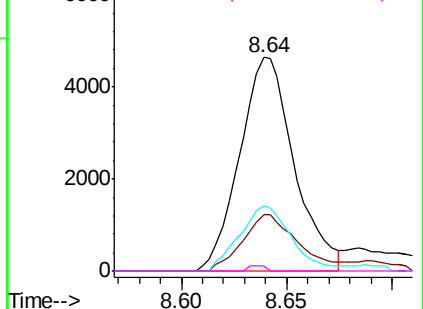


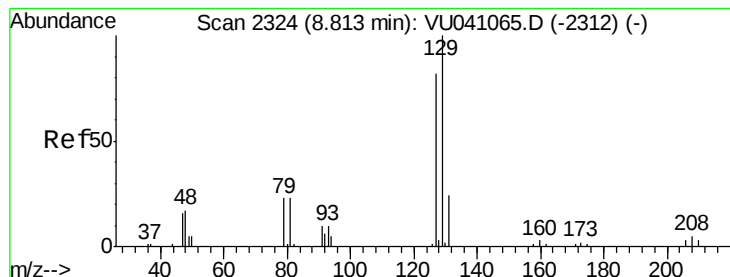
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 10.424 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU041069.D

Acq: 03 Nov 2020 11:29

Instrument :

MSVOA_U

ClientSampleId :

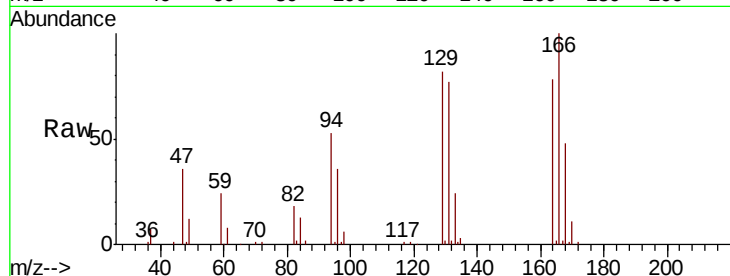
BFSF0DL

Tot Ion:129 Resp: 37574

Ion Ratio Lower Upper

129 100

127 0.0 53.4 99.2#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.56

25000

20000

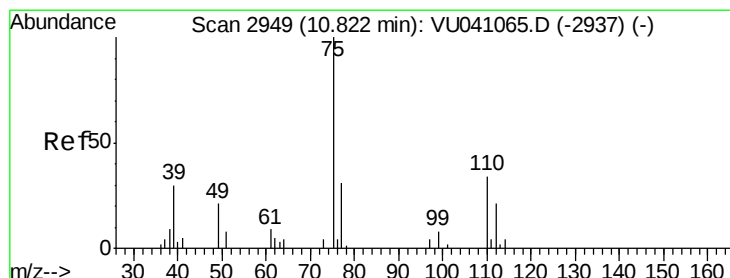
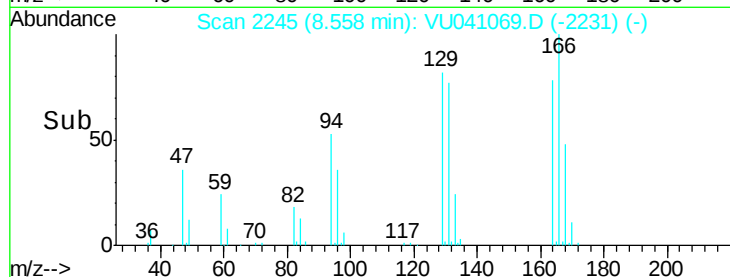
15000

10000

5000

0

Time--> 8.50 8.55 8.60 8.65



#59

1,2,3-Trichloropropane

Concen: 1.062 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041069.D

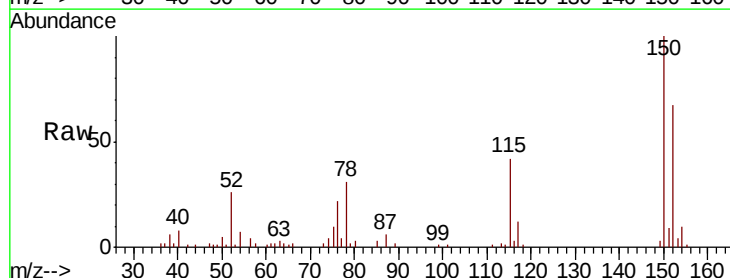
Acq: 03 Nov 2020 11:29

Tgt Ion: 75 Resp: 3300

Ion Ratio Lower Upper

75 100

77 35.6 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.81

2500

2000

1500

1000

500

0

Time--> 11.75 11.80 11.85

