

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
 Data File : VU041926.D
 Acq On : 11 Jan 2021 17:30
 Operator : SY/MD
 Sample : M1026-18DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXL9DL

Quant Time: Jan 12 03:27:54 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011121WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 12 03:17:19 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	120121	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	117817	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	51855	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	46639	4.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.00%
7) Chloroethane-d5	1.92	69	45375	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.80%
11) 1,1-Dichloroethene-d2	2.58	63	70394	3.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.40%
20) 2-Butanone-d5	4.66	46	142619	50.69	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.38%
24) Chloroform-d	5.08	84	82264	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
26) 1,2-Dichloroethane-d4	5.72	65	46785	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
32) Benzene-d6	5.74	84	161189	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
36) 1,2-Dichloropropane-d6	6.70	67	51478	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.90	98	137104	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
43) trans-1,3-Dichloropropene-	8.19	79	19913	4.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.20%
46) 2-Hexanone-d5	8.64	63	123921	53.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.32%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	46504	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	50204	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

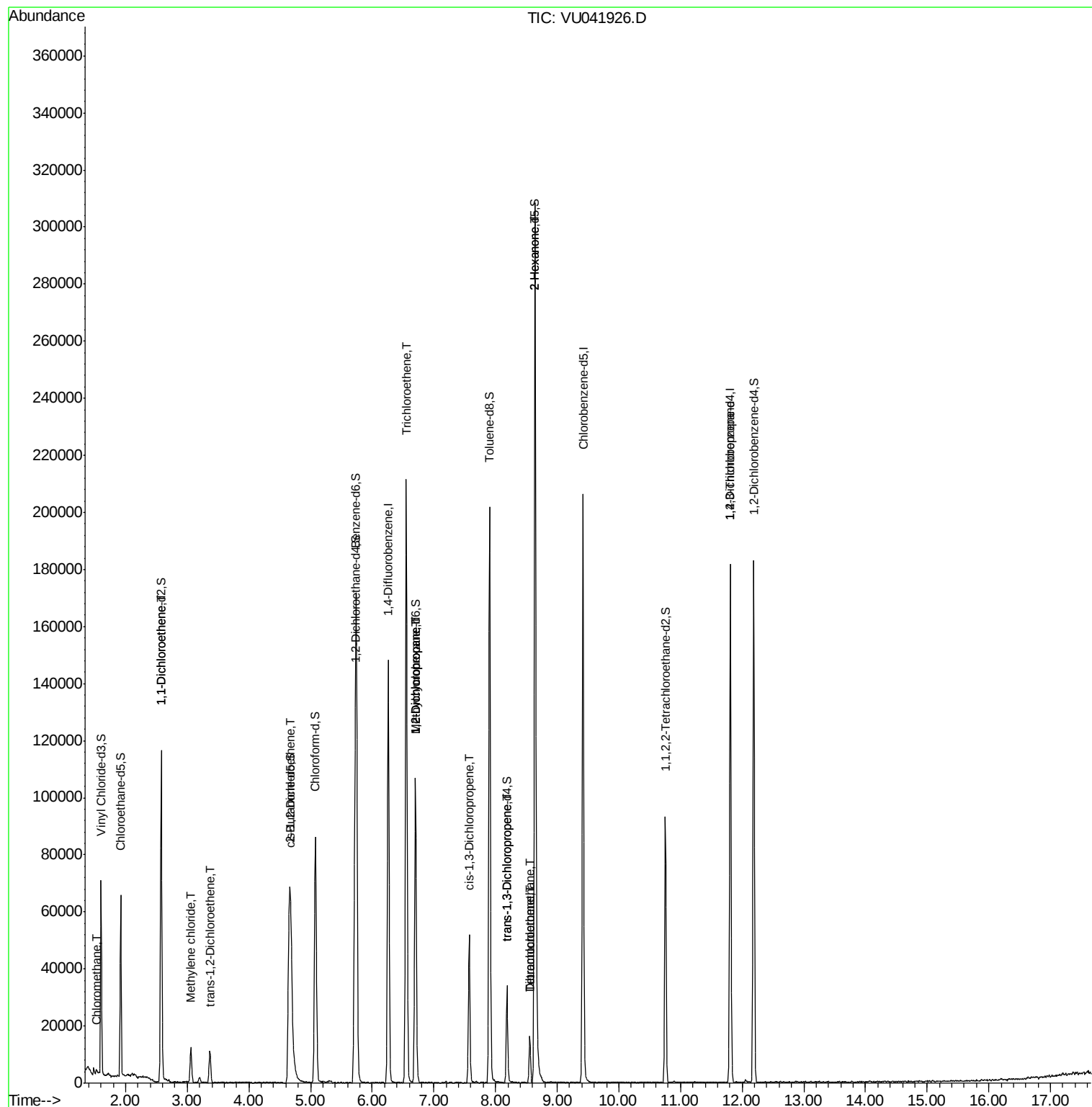
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	699	0.055	ug/L	84
12) 1,1-Dichloroethene	2.58	96	720	0.077	ug/L #	1
16) Methylene chloride	3.06	84	5751	0.488	ug/L	93
18) trans-1,2-Dichloroethene	3.37	96	4884	0.536	ug/L	95
22) cis-1,2-Dichloroethene	4.68	96	9458	0.973	ug/L	98
34) Trichloroethene	6.55	95	74164	7.441	ug/L	98
35) Methylcyclohexane	6.70	83	12571	0.858	ug/L #	17
37) 1,2-Dichloropropane	6.70	63	5684	0.600	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1162	0.083	ug/L #	48
44) trans-1,3-Dichloropropene	8.18	75	928	0.075	ug/L	97
47) Tetrachloroethene	8.56	164	3567	0.514	ug/L	97
48) 2-Hexanone	8.64	43	14375	3.244	ug/L #	66
49) Dibromochloromethane	8.56	129	3935	0.445	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5833	0.843	ug/L	93

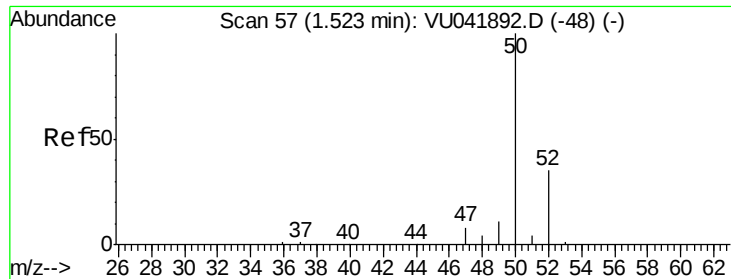
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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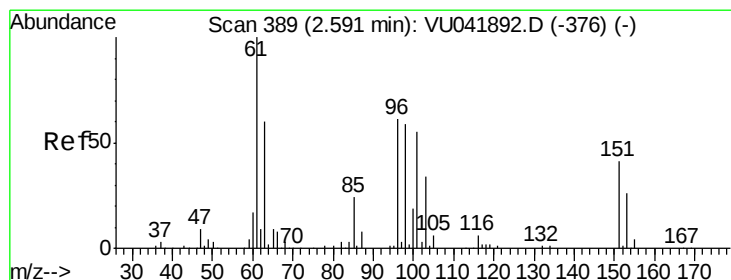
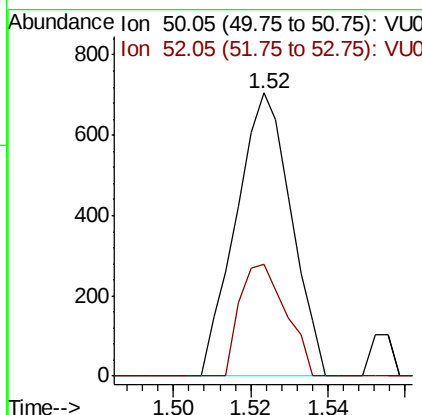
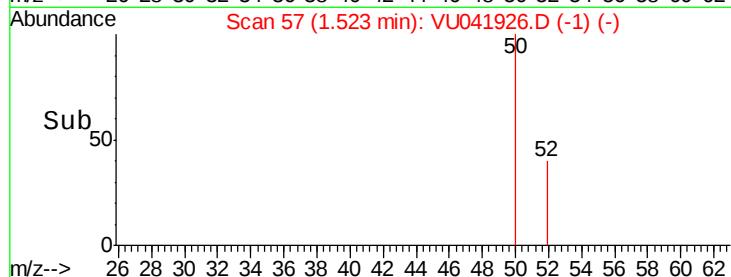
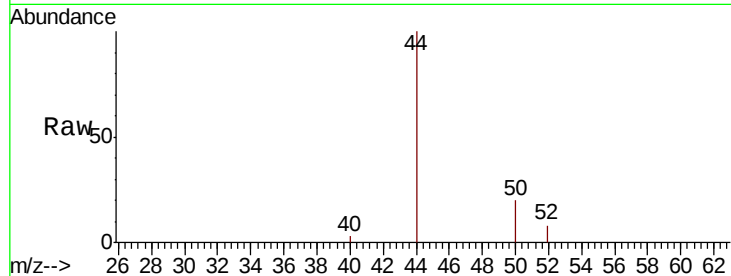




#3
 Chloromethane
 Concen: 0.055 ug/L
 RT: 1.52 min Scan# 57
 Delta R.T. -0.00 min
 Lab File: VU041926.D
 Acq: 11 Jan 2021 17:30

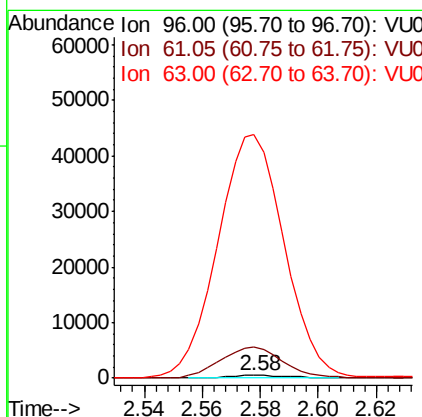
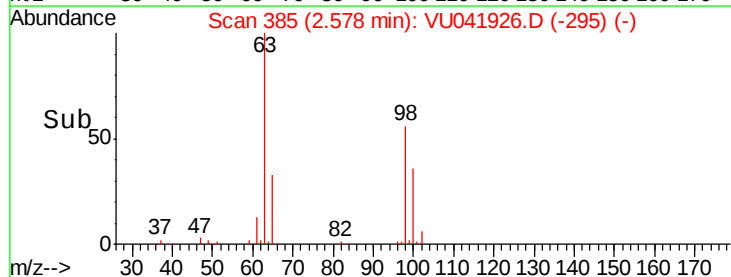
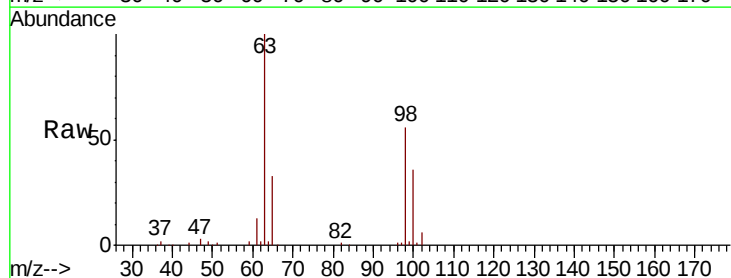
Instrument :
 MSVOA_U
 ClientSampleId :
 BFXL9DL

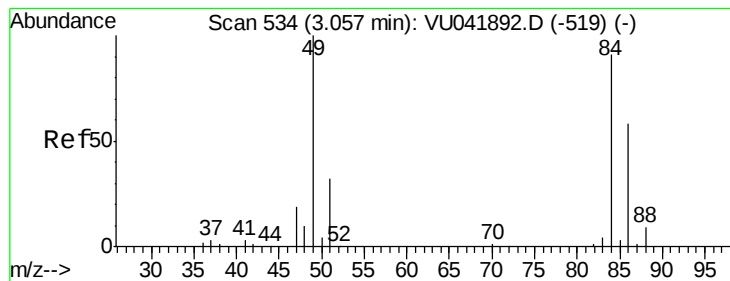
Tot Ion: 50 Resp: 699
 Ion Ratio Lower Upper
 50 100
 52 39.6 21.4 39.8



#12
 1,1-Dichloroethene
 Concen: 0.077 ug/L
 RT: 2.58 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: VU041926.D
 Acq: 11 Jan 2021 17:30

Tgt Ion: 96 Resp: 720
 Ion Ratio Lower Upper
 96 100
 61 1212.0 123.5 229.4#
 63 9365.8 93.5 173.7#





#16

Methylene chloride

Concen: 0.488 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU041926.D

Acq: 11 Jan 2021 17:30

Instrument :

MSVOA_U

ClientSampleId :

BFXL9DL

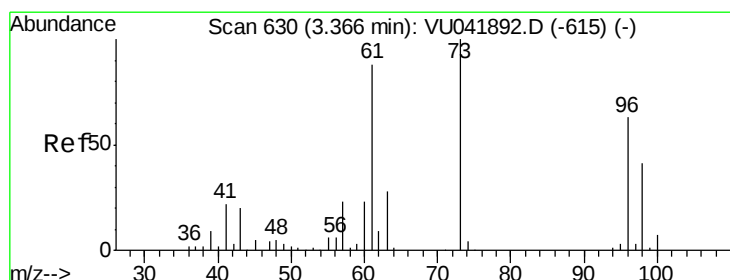
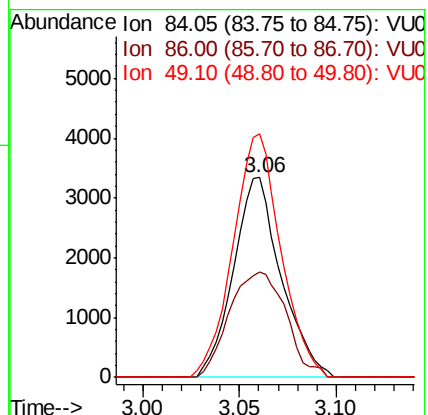
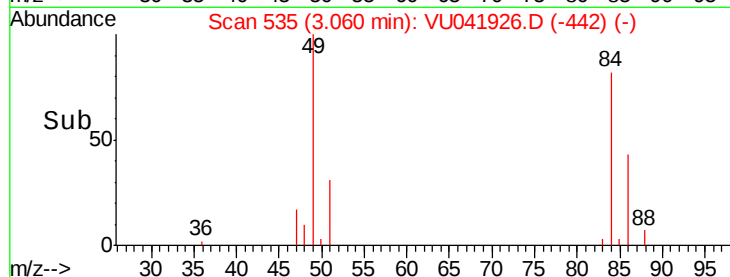
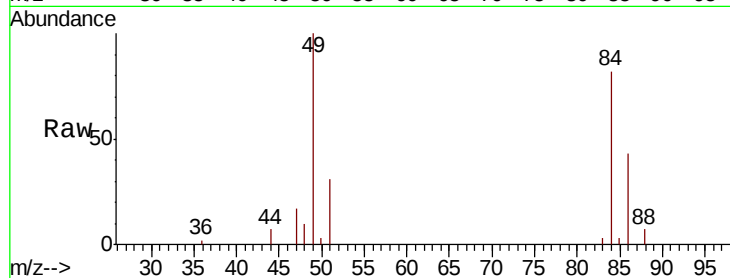
Tot Ion: 84 Resp: 5751

Ion Ratio Lower Upper

84 100

86 52.8 43.5 80.7

49 121.9 81.8 151.8



#18

trans-1,2-Dichloroethene

Concen: 0.536 ug/L

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU041926.D

Acq: 11 Jan 2021 17:30

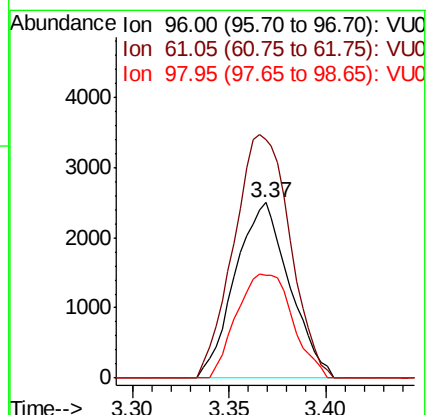
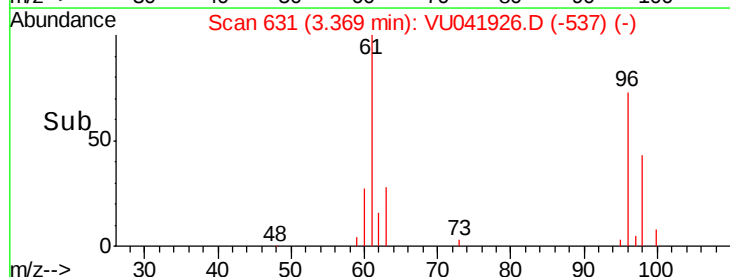
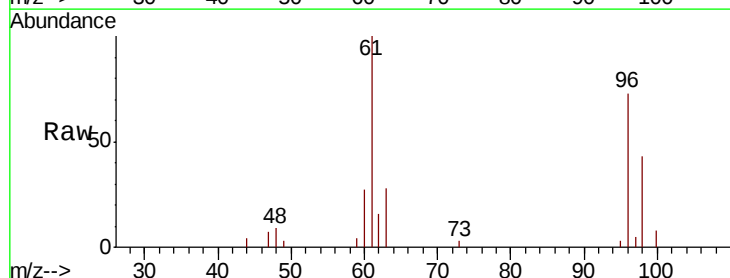
Tgt Ion: 96 Resp: 4884

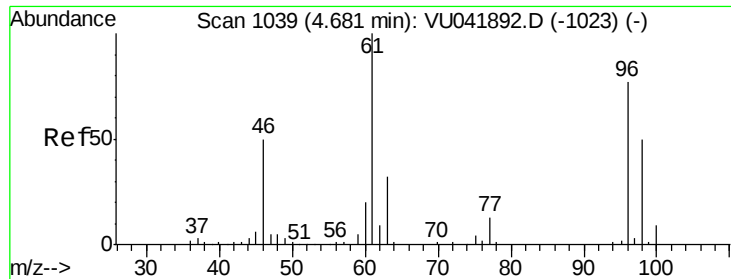
Ion Ratio Lower Upper

96 100

61 136.4 100.7 187.1

98 58.9 43.0 80.0





#22

cis-1,2-Dichloroethene

Concen: 0.973 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU041926.D

Acq: 11 Jan 2021 17:30

Instrument :

MSVOA_U

ClientSampleId :

BFXL9DL

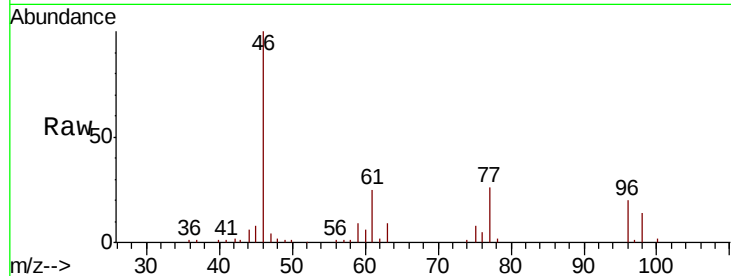
Tot Ion: 96 Resp: 9458

Ion Ratio Lower Upper

96 100

61 126.4 90.3 167.7

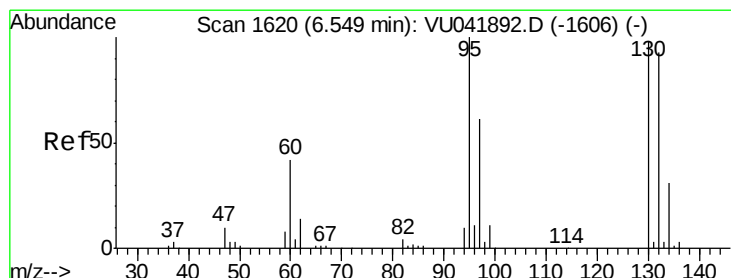
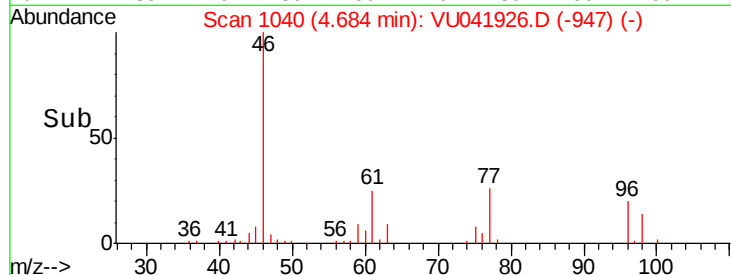
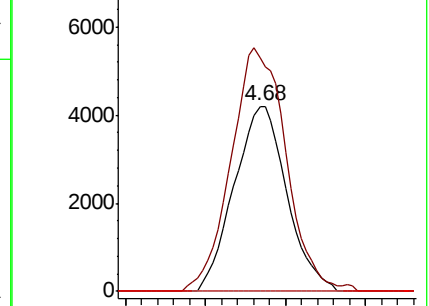
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041926.D (-1528) (-)

Ion 61.05 (60.75 to 61.75): VU041926.D (-1528) (-)

Ion 68.15 (67.85 to 68.85): VU041926.D (-1528) (-)



#34

Trichloroethene

Concen: 7.441 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU041926.D

Acq: 11 Jan 2021 17:30

Tgt Ion: 95 Resp: 74164

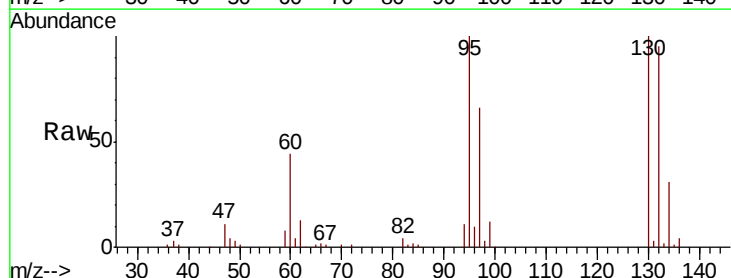
Ion Ratio Lower Upper

95 100

97 65.6 45.2 84.0

132 95.1 68.7 127.5

130 99.6 68.0 126.4

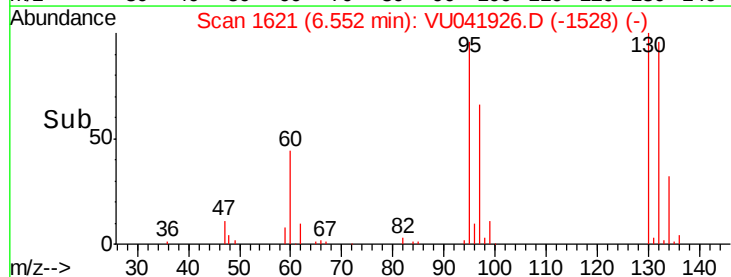
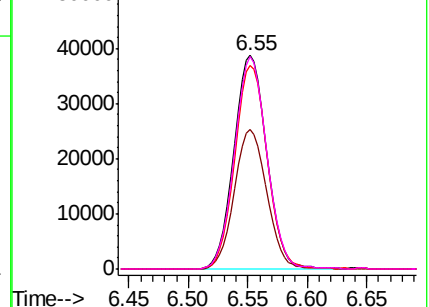


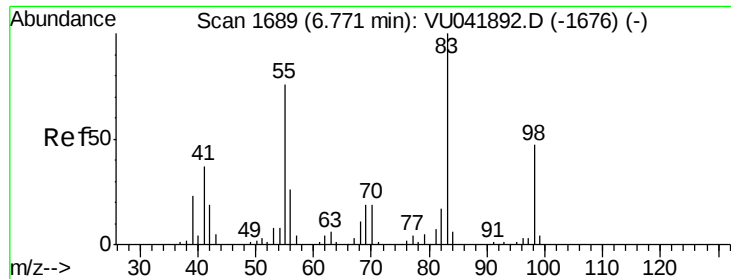
Abundance Ion 95.00 (94.70 to 95.70): VU041926.D (-1528) (-)

Ion 96.95 (96.65 to 97.65): VU041926.D (-1528) (-)

Ion 131.95 (131.65 to 132.65): VU041926.D (-1528) (-)

Ion 129.95 (129.65 to 130.65): VU041926.D (-1528) (-)

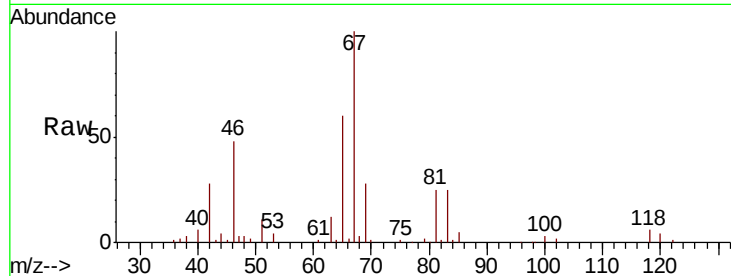




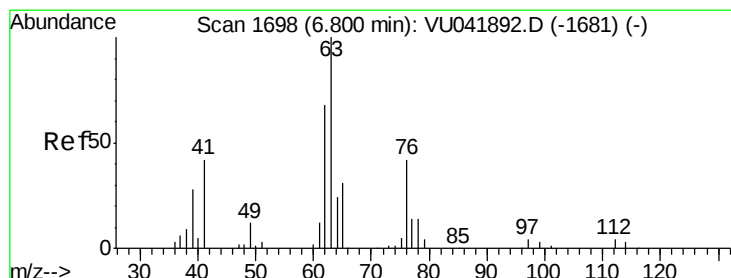
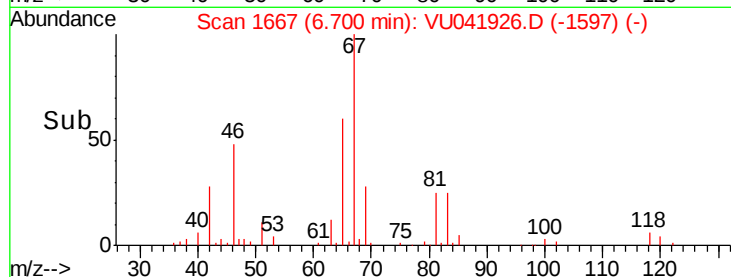
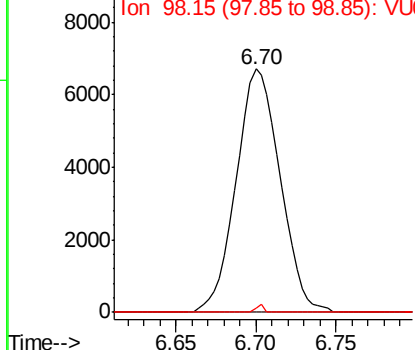
#35
Methvlcvclohexane
Concen: 0.858 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041926.D
Acq: 11 Jan 2021 17:30

Instrument :
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Tot Ion	83.15	Resp	12571
Ion Ratio	Lower	Upper	
83	100		
55	0.0	64.3	96.5#
98	0.0	36.6	54.8#

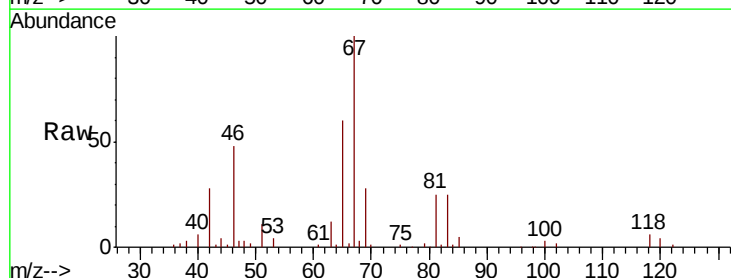


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

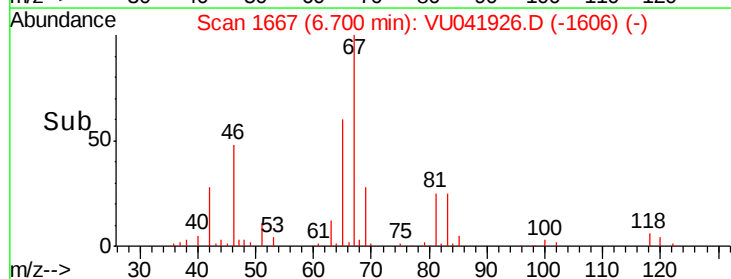
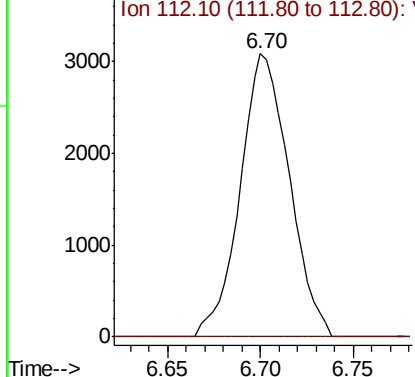


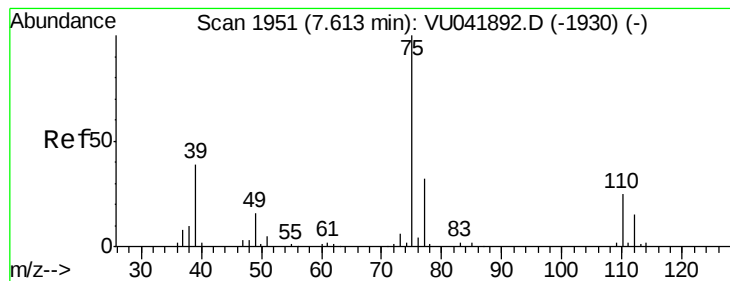
#37
1,2-Dichloropropane
Concen: 0.600 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041926.D
Acq: 11 Jan 2021 17:30

Tgt Ion	63	Resp	5684
Ion Ratio	Lower	Upper	
63	100		
112	0.0	3.3	4.9#



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



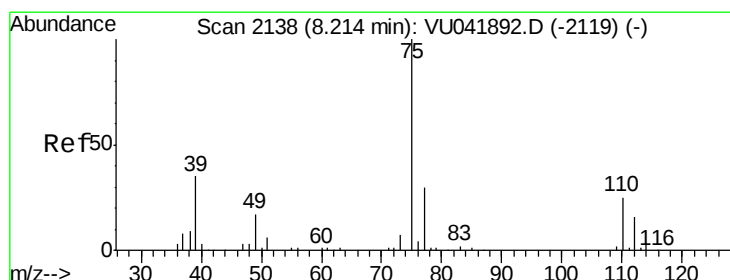
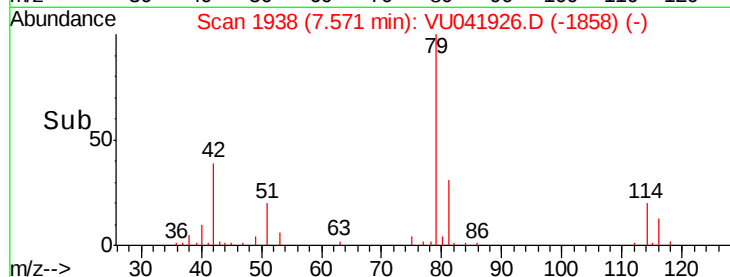
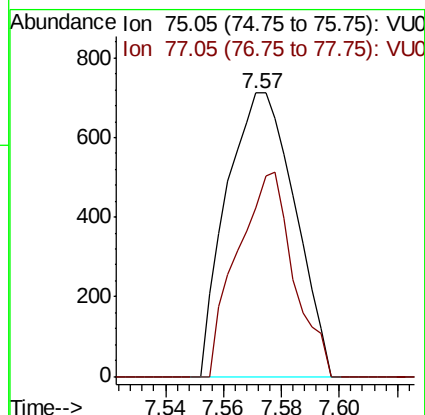
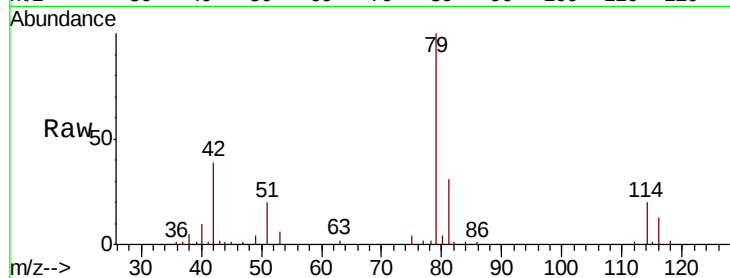


#39

cis-1,3-Dichloropropene
Concen: 0.083 ug/L
RT: 7.57 min Scan# 1938
Delta R.T. -0.04 min
Lab File: VU041926.D
Acq: 11 Jan 2021 17:30

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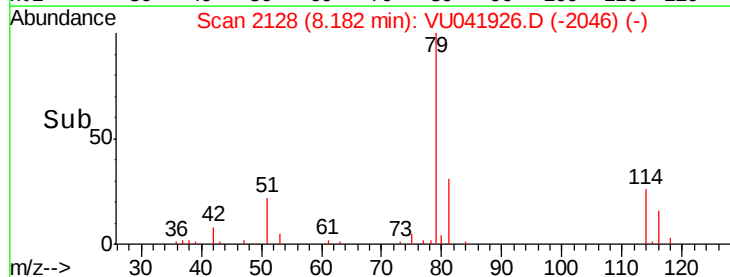
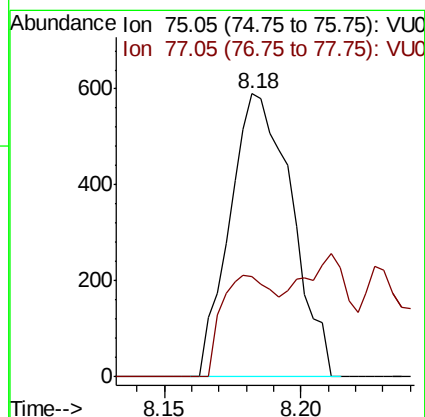
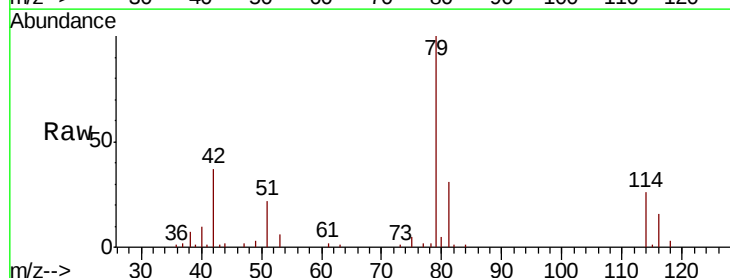
Tot Ion: 75 Resp: 1162
Ion Ratio Lower Upper
75 100
77 59.4 21.5 39.9#

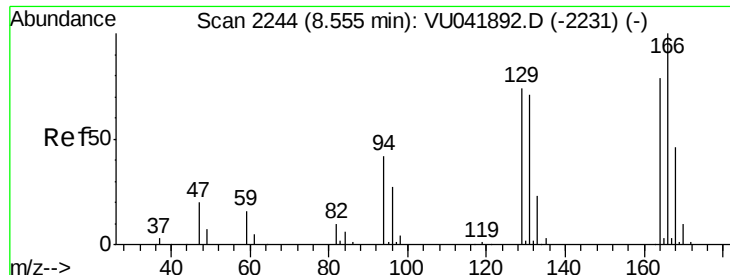


#44

trans-1,3-Dichloropropene
Concen: 0.075 ug/L
RT: 8.18 min Scan# 2128
Delta R.T. -0.04 min
Lab File: VU041926.D
Acq: 11 Jan 2021 17:30

Tgt Ion: 75 Resp: 928
Ion Ratio Lower Upper
75 100
77 35.4 23.7 44.1





#47

Tetrachloroethene

Concen: 0.514 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU041926.D

Acq: 11 Jan 2021 17:30

Instrument :

MSVOA_U

ClientSampleId :

BFXL9DL

Tot Ion:164 Resp: 3567

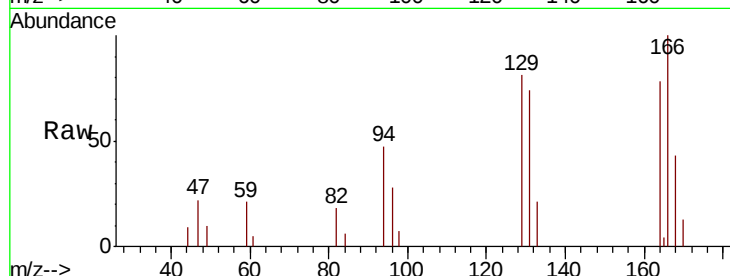
Ion Ratio Lower Upper

164 100

129 103.7 69.2 128.6

131 94.9 69.7 129.5

166 128.2 89.2 165.8

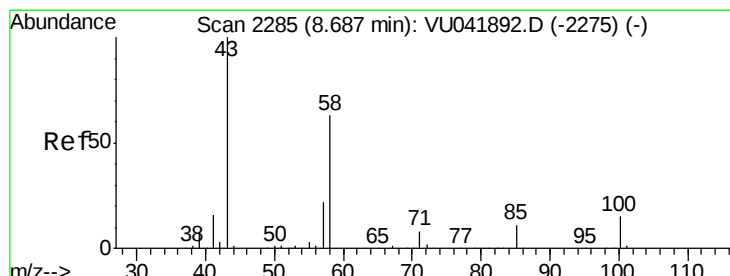
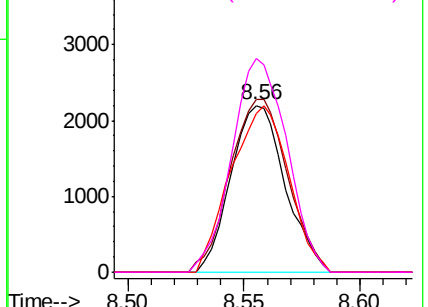
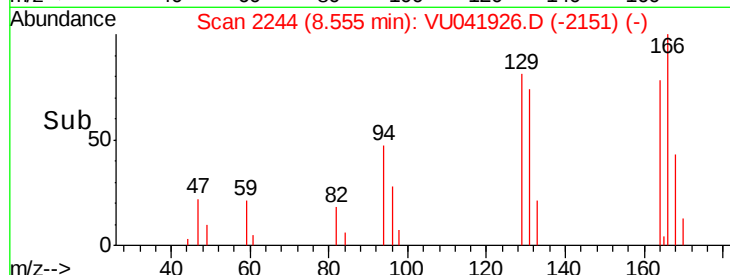


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.244 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU041926.D

Acq: 11 Jan 2021 17:30

Tgt Ion: 43 Resp: 14375

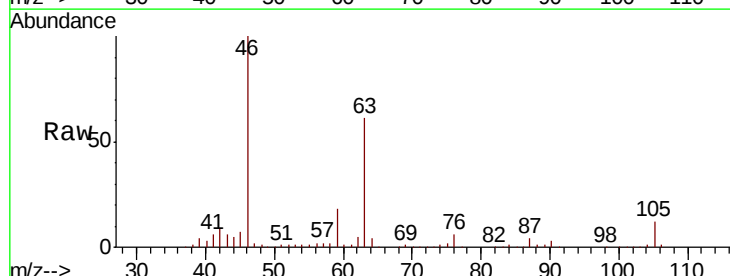
Ion Ratio Lower Upper

43 100

58 28.5 47.6 71.4#

57 29.5 17.1 25.7#

100 0.6 10.4 15.6#

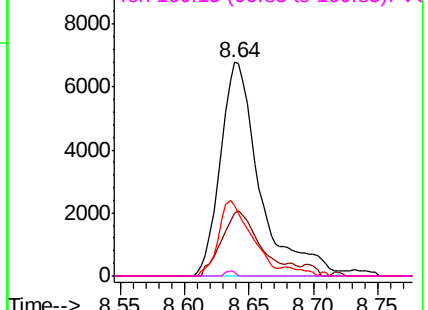
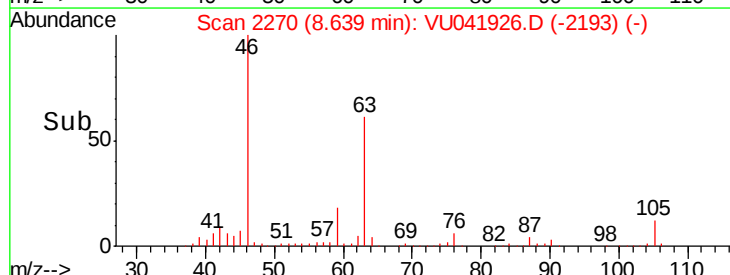


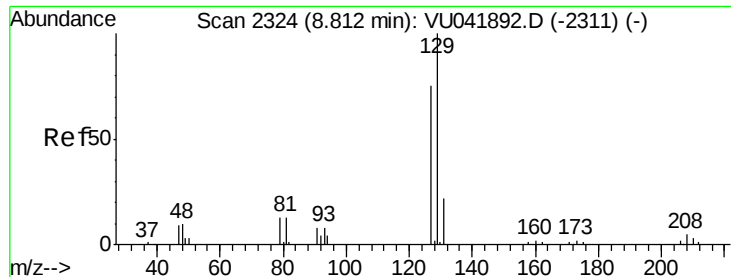
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 0.445 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU041926.D

Acq: 11 Jan 2021 17:30

Instrument :

MSVOA_U

ClientSampleId :

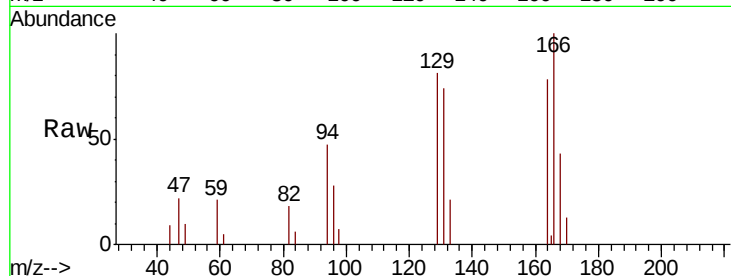
BFXL9DL

Tot Ion:129 Resp: 3935

Ion Ratio Lower Upper

129 100

127 0.0 54.9 101.9#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.56

2500

2000

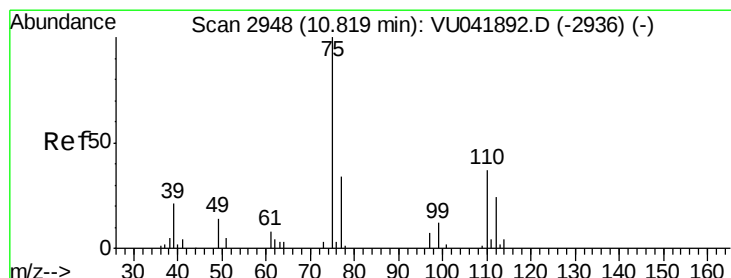
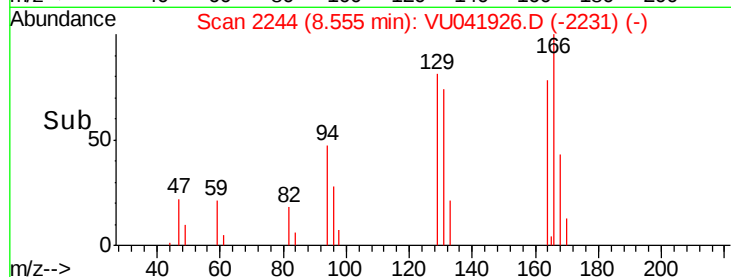
1500

1000

500

0

Time--> 8.50 8.55 8.60



#59

1,2,3-Trichloropropane

Concen: 0.843 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041926.D

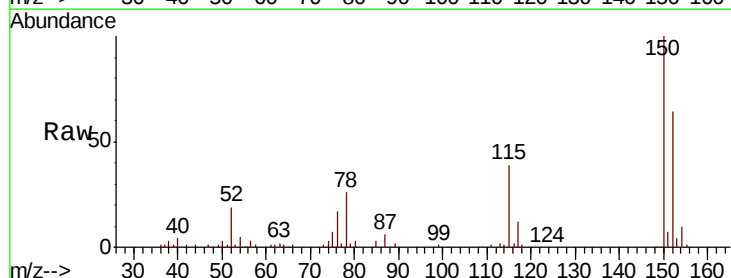
Acq: 11 Jan 2021 17:30

Tgt Ion: 75 Resp: 5833

Ion Ratio Lower Upper

75 100

77 29.5 27.0 40.4



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

Time--> 11.75 11.80 11.85

