

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
 Data File : VU041958.D
 Acq On : 12 Jan 2021 06:35
 Operator : SY/MD
 Sample : M1027-21
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXQ5

Quant Time: Jan 12 07:35:05 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011121WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 12 05:50:11 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	113792	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	120683	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	43829	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	45434	4.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.60%
7) Chloroethane-d5	1.92	69	44376	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.00%
11) 1,1-Dichloroethene-d2	2.58	63	65219	3.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.80%
20) 2-Butanone-d5	4.65	46	169424	63.57	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	127.14%
24) Chloroform-d	5.08	84	87061	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
26) 1,2-Dichloroethane-d4	5.72	65	50545	5.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.60%
32) Benzene-d6	5.74	84	160884	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
36) 1,2-Dichloropropane-d6	6.70	67	54716	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	7.90	98	128231	3.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.40%
43) trans-1,3-Dichloropropene-	8.19	79	21034	4.50	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.00%
46) 2-Hexanone-d5	8.64	63	130024	54.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.94%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	50861	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	42673	5.15	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.00%

Target Compounds

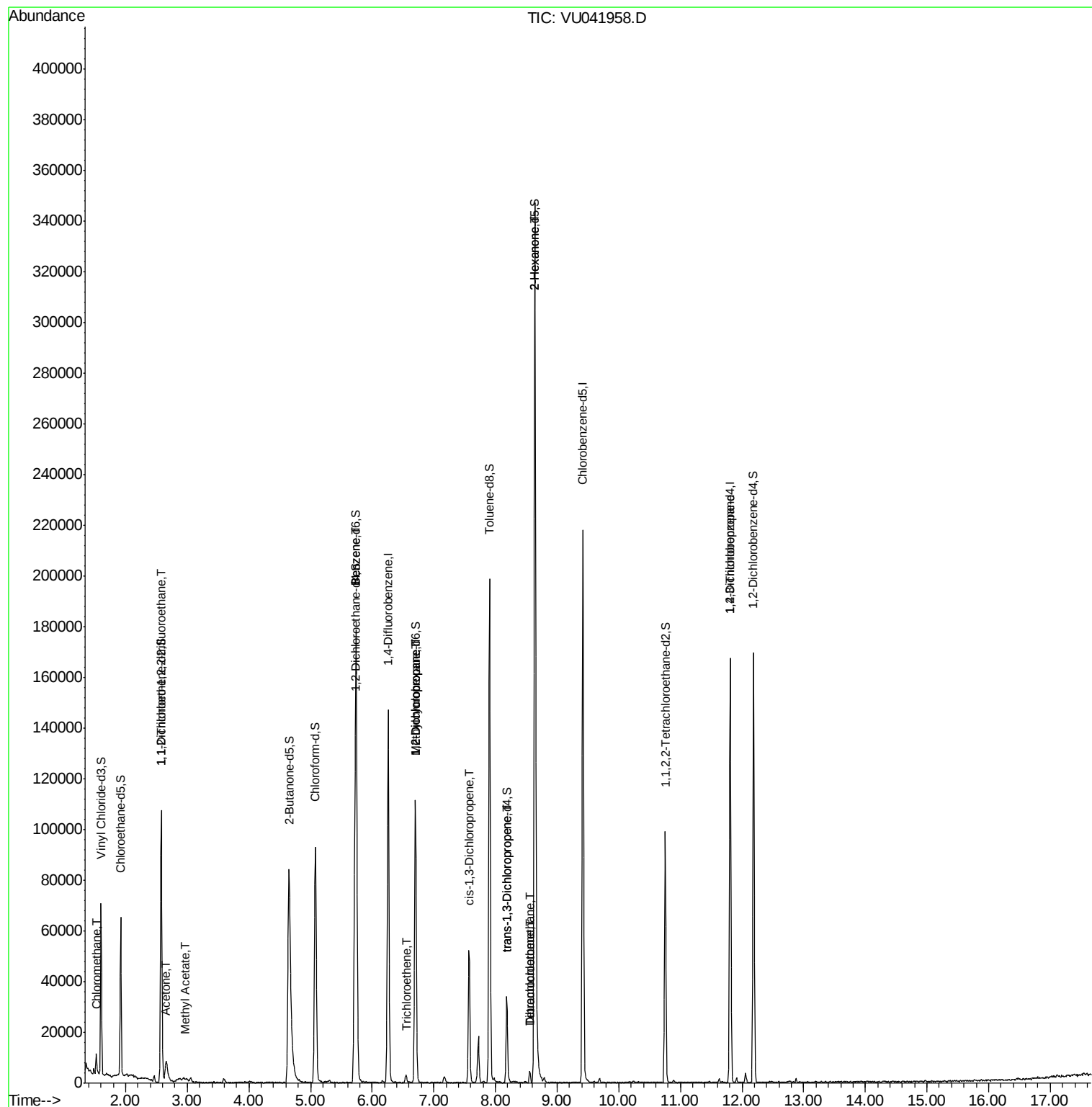
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	5240	0.438	ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	514	0.056	ug/L #	20
13) Acetone	2.66	43	17465	10.089	ug/L	99
15) Methyl Acetate	2.97	43	509	0.129	ug/L #	50
33) Benzene	5.74	78	1220	0.031	ug/L	100
34) Trichloroethene	6.55	95	915	0.090	ug/L #	63
35) Methylcyclohexane	6.70	83	12392	0.826	ug/L #	17
37) 1,2-Dichloropropane	6.70	63	5894	0.608	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1303	0.091	ug/L #	71
44) trans-1,3-Dichloropropene	8.18	75	775	0.061	ug/L #	35
47) Tetrachloroethene	8.56	164	1016	0.143	ug/L	93
48) 2-Hexanone	8.64	43	16491	3.633	ug/L #	72
49) Dibromochloromethane	8.56	129	1159	0.128	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5853	0.826	ug/L	99

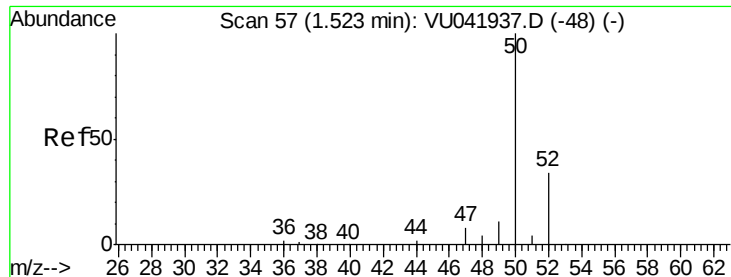
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.438 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041958.D

Acq: 12 Jan 2021 06:35

Instrument :

MSVOA_U

ClientSampled :

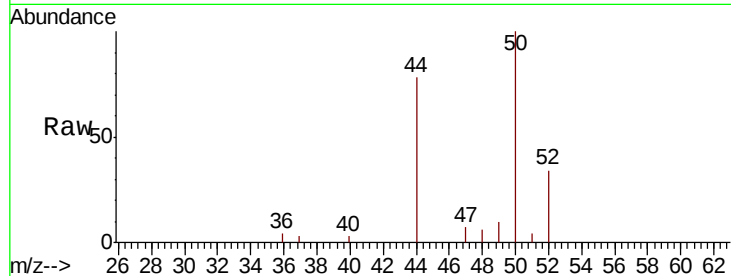
BFXQ5

Tot Ion: 50 Resp: 5240

Ion Ratio Lower Upper

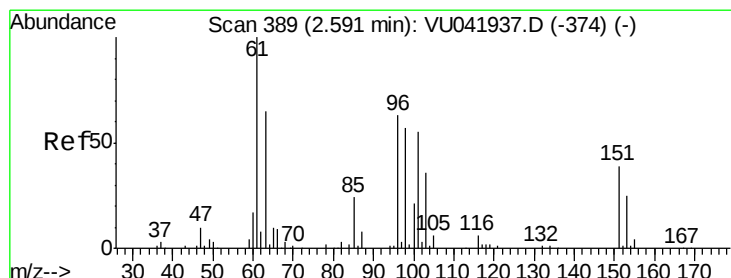
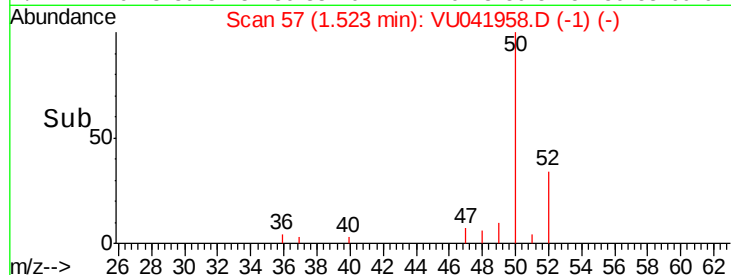
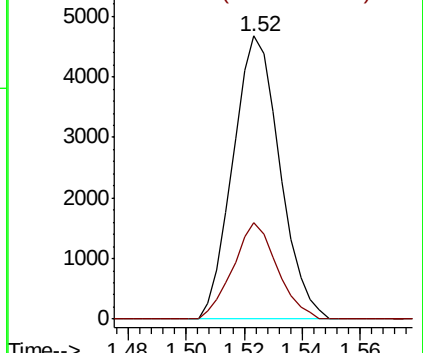
50 100

52 33.9 21.4 39.8



Abundance Ion 50.05 (49.75 to 50.75): VU041937.D (-48) (-)

Ion 52.05 (51.75 to 52.75): VU041937.D (-48) (-)



#10

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

Concen: 0.056 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041958.D

Acq: 12 Jan 2021 06:35

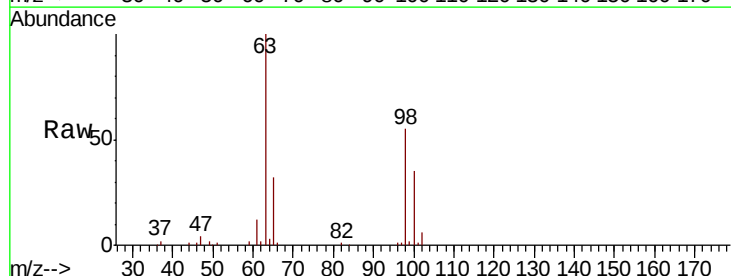
Tgt Ion: 101 Resp: 514

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

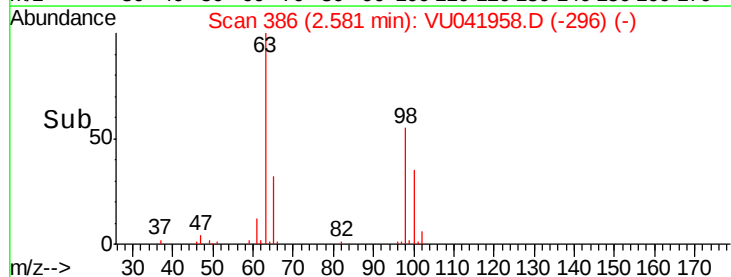
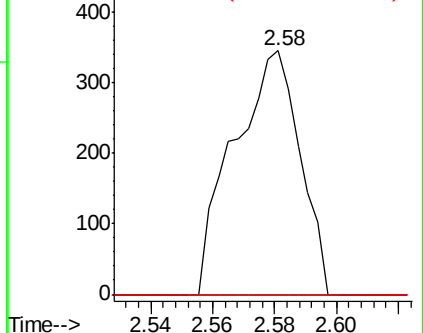
151 0.0 58.2 87.2#

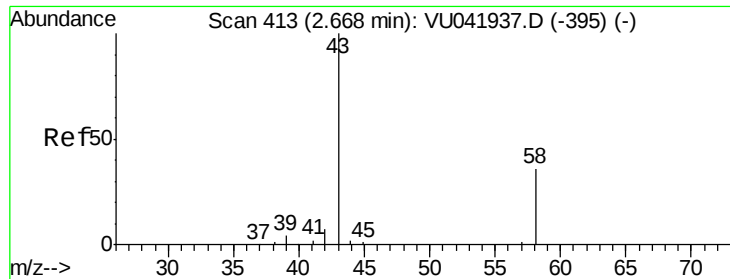


Abundance Ion 101.00 (100.70 to 101.70): VU041937.D (-374) (-)

Ion 85.00 (84.70 to 85.70): VU041937.D (-374) (-)

Ion 151.00 (150.70 to 151.70): VU041937.D (-374) (-)





#13

Acetone

Concen: 10.089 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU041958.D

Acq: 12 Jan 2021 06:35

Instrument :

MSVOA_U

ClientSampleId :

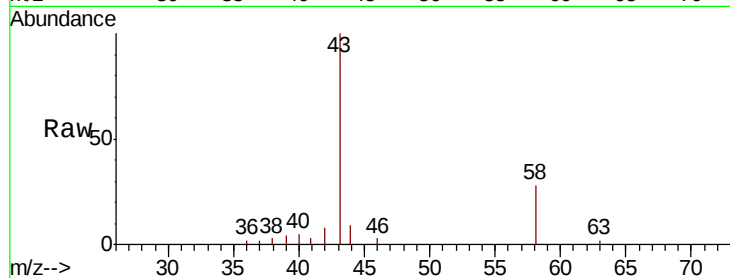
BFXQ5

Tot Ion: 43 Resp: 17465

Ion Ratio Lower Upper

43 100

58 12.1 0.0 23.6



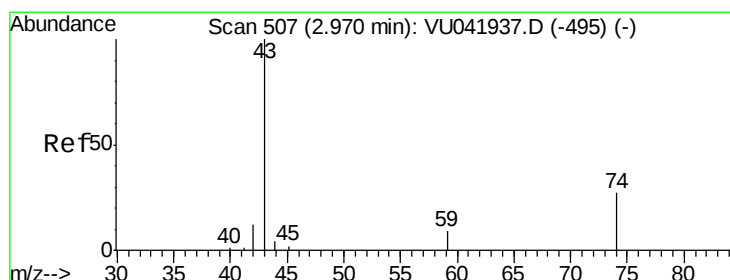
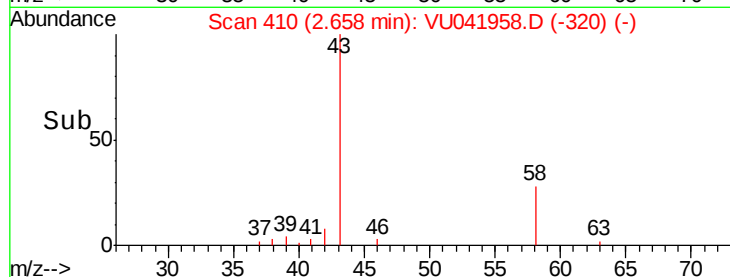
Abundance Ion 43.05 (42.75 to 43.75): VU041937.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU041937.D (-395) (-)

2.66

Time-->

2.60 2.70 2.80



#15

Methyl Acetate

Concen: 0.129 ug/L

RT: 2.97 min Scan# 507

Delta R.T. 0.00 min

Lab File: VU041958.D

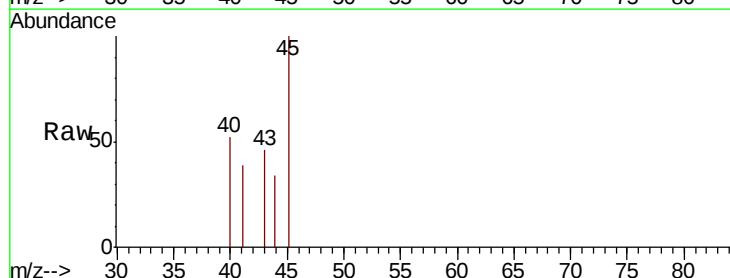
Acq: 12 Jan 2021 06:35

Tgt Ion: 43 Resp: 509

Ion Ratio Lower Upper

43 100

74 0.0 19.8 29.8#



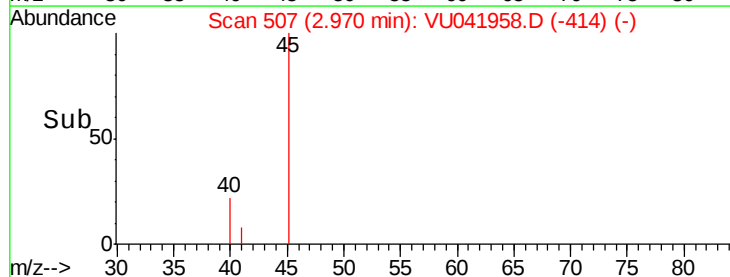
Abundance Ion 43.05 (42.75 to 43.75): VU041937.D (-495) (-)

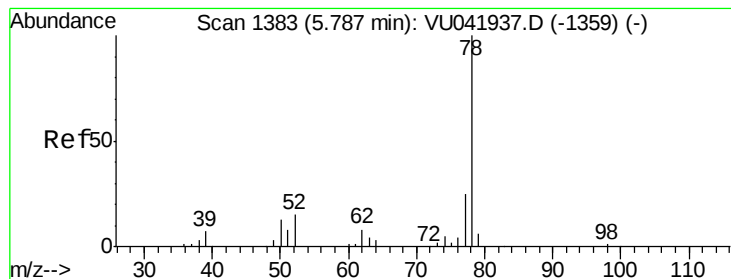
Ion 74.05 (73.75 to 74.75): VU041937.D (-495) (-)

2.97

Time-->

2.94 2.96 2.98 3.00





#33

Benzene

Concen: 0.031 ug/L

RT: 5.74 min Scan# 1367

Delta R.T. -0.05 min

Lab File: VU041958.D

Acq: 12 Jan 2021 06:35

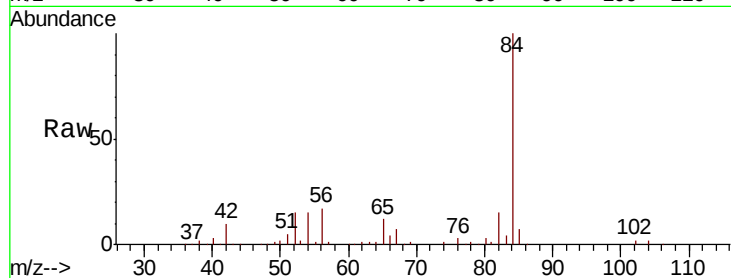
Instrument :

MSVOA_U

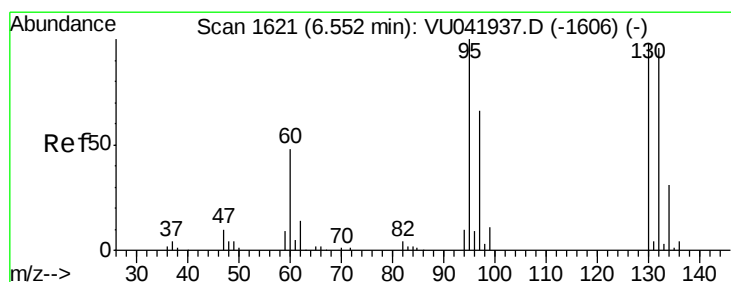
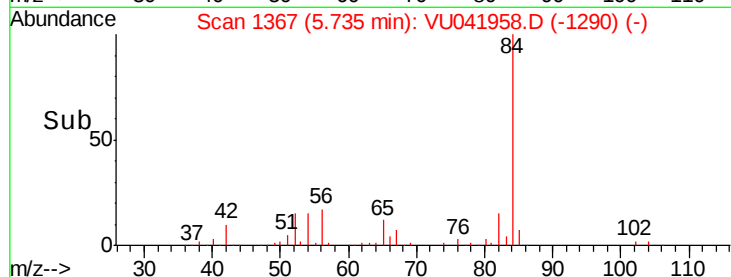
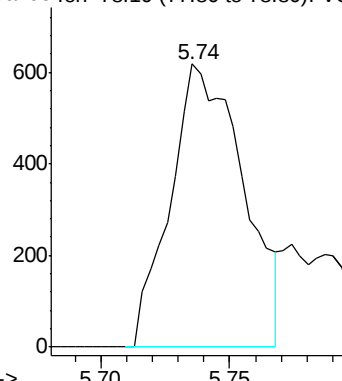
ClientSampleId :

BFXQ5

Tgt Ion: 78 Resp: 1220



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.090 ug/L

RT: 6.55 min Scan# 1620

Delta R.T. -0.00 min

Lab File: VU041958.D

Acq: 12 Jan 2021 06:35

Tgt Ion: 95 Resp: 915

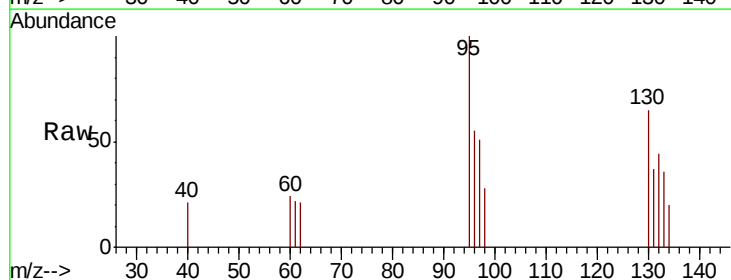
Ion Ratio Lower Upper

95 100

97 51.4 45.2 84.0

132 44.3 68.7 127.5#

130 65.0 68.0 126.4#

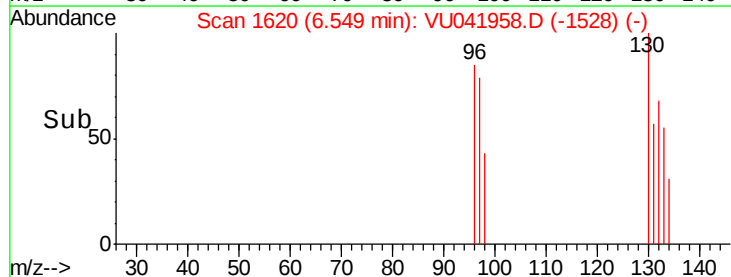
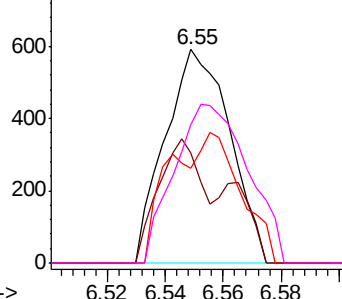


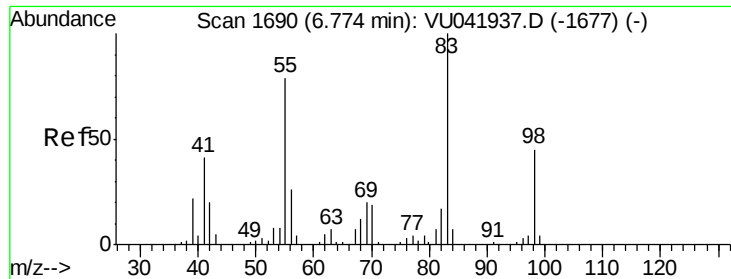
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

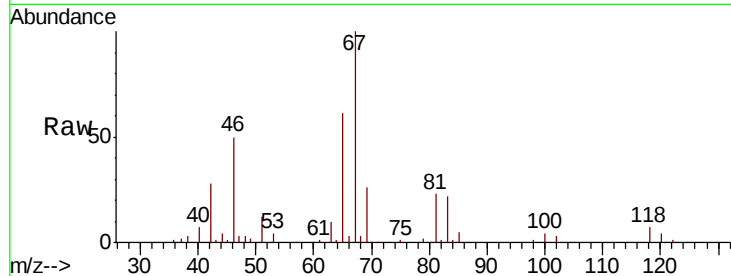




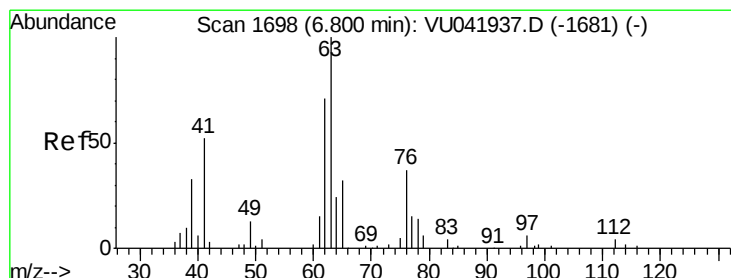
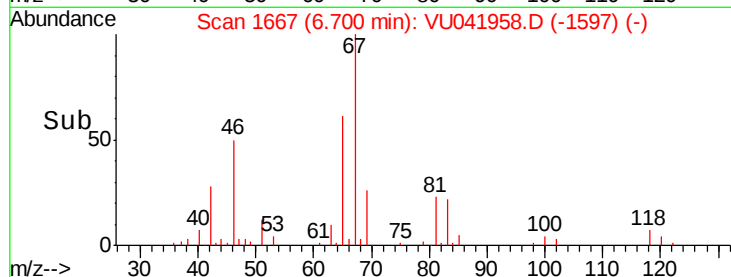
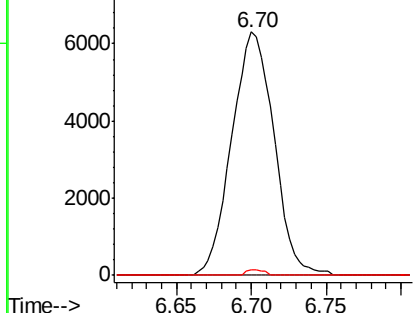
#35
Methvlcvclohexane
Concen: 0.826 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041958.D
Acq: 12 Jan 2021 06:35

Instrument :
MSVOA_U
ClientSampleId :
BFXQ5

Tot Ion	83.15	Resp	12392
Ion	Ratio	Lower	Upper
83	100		
55	0.0	64.3	96.5#
98	1.0	36.6	54.8#

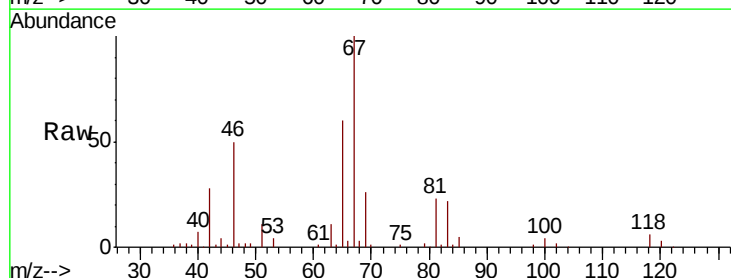


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

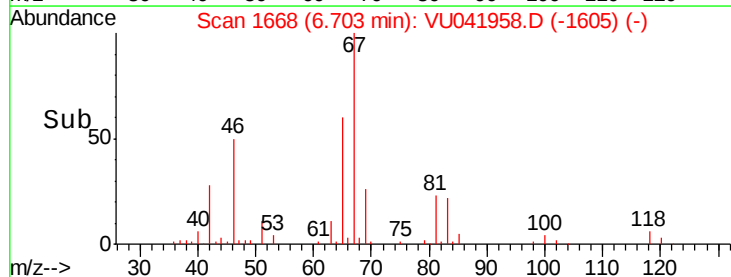
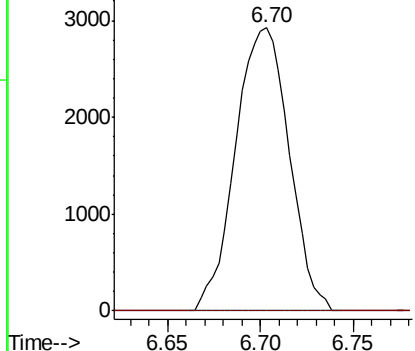


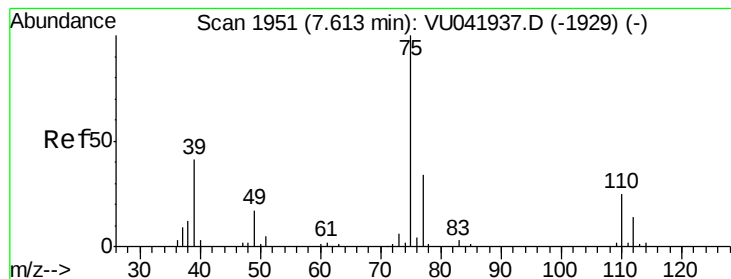
#37
1,2-Dichloropropane
Concen: 0.608 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041958.D
Acq: 12 Jan 2021 06:35

Tgt Ion	63	Resp	5894
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



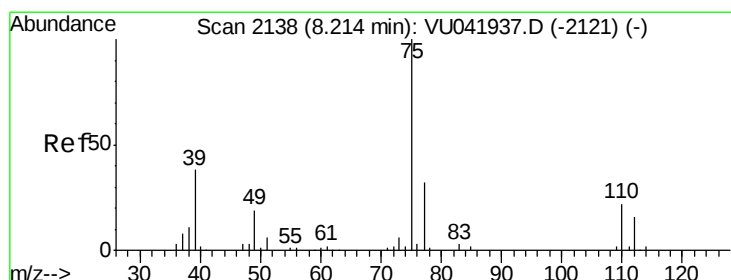
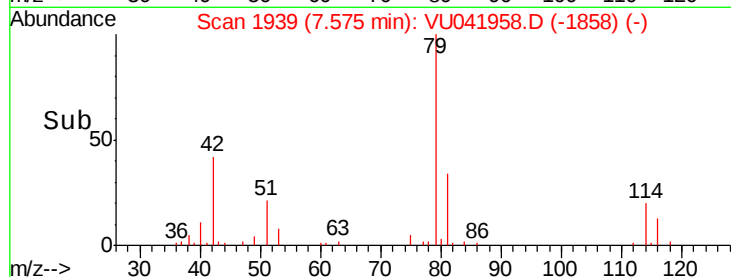
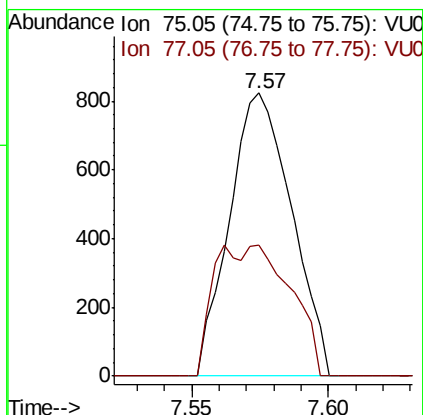
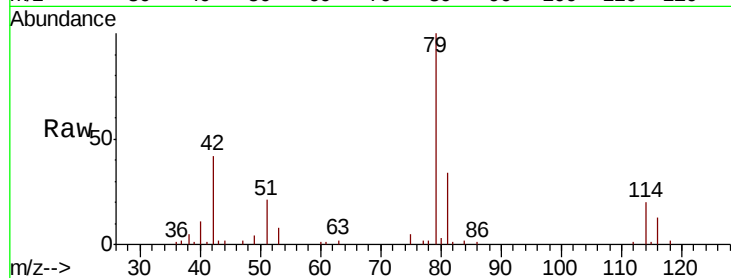


#39

cis-1,3-Dichloropropene
Concen: 0.091 ug/L
RT: 7.57 min Scan# 1939
Delta R.T. -0.04 min
Lab File: VU041958.D
Acq: 12 Jan 2021 06:35

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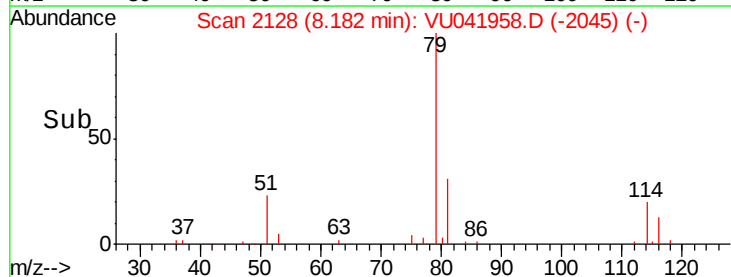
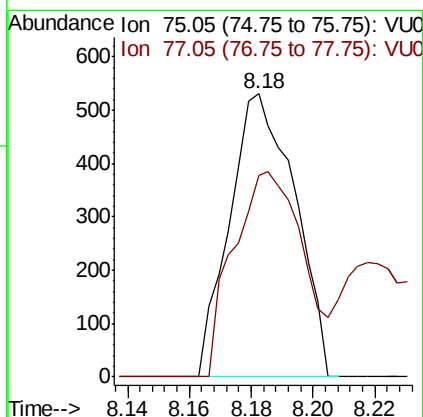
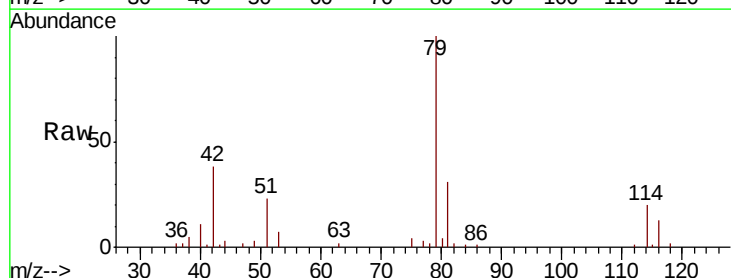
Tot Ion: 75 Resp: 1303
Ion Ratio Lower Upper
75 100
77 46.4 21.5 39.9#

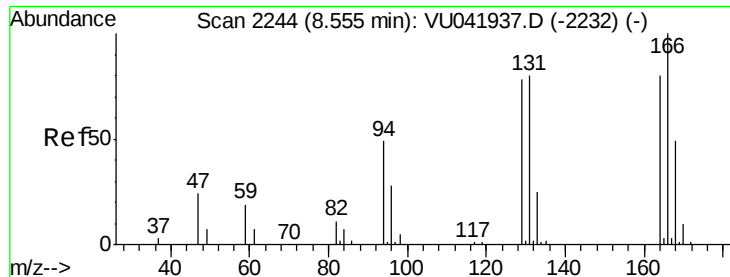


#44

trans-1,3-Dichloropropene
Concen: 0.061 ug/L
RT: 8.18 min Scan# 2128
Delta R.T. -0.03 min
Lab File: VU041958.D
Acq: 12 Jan 2021 06:35

Tgt Ion: 75 Resp: 775
Ion Ratio Lower Upper
75 100
77 71.0 23.7 44.1#





#47

Tetrachloroethene

Concen: 0.143 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041958.D

Acq: 12 Jan 2021 06:35

Instrument :

MSVOA_U

ClientSampleId :

BFXQ5

Tot Ion:164 Resp: 1016

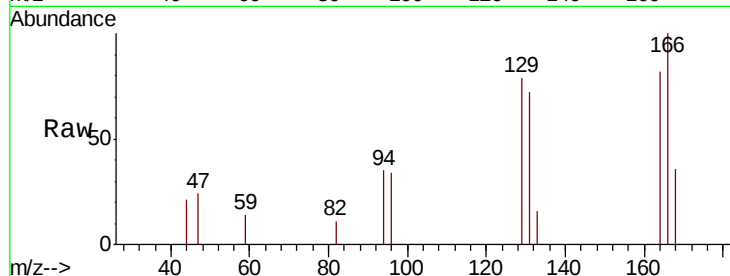
Ion Ratio Lower Upper

164 100

129 95.9 69.2 128.6

131 88.0 69.7 129.5

166 121.3 89.2 165.8

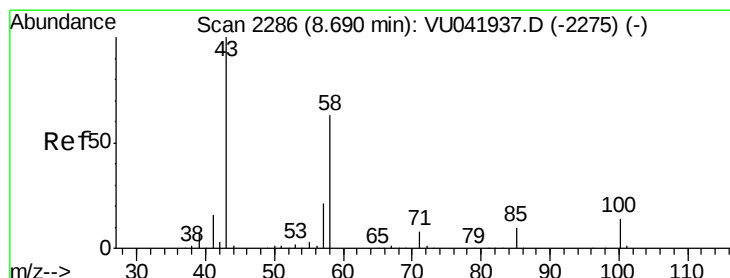
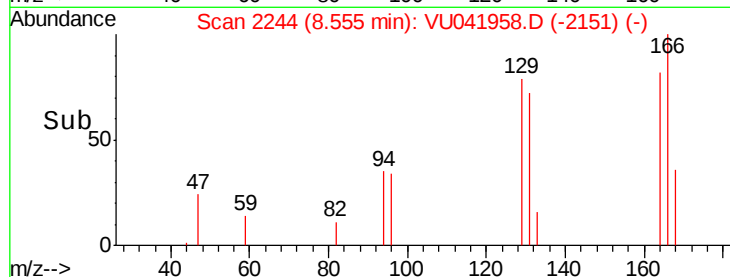
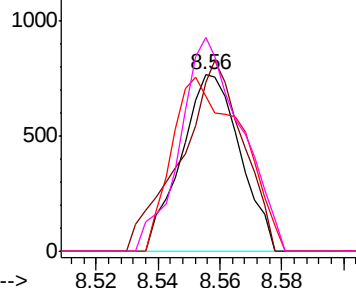


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.633 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU041958.D

Acq: 12 Jan 2021 06:35

Tgt Ion: 43 Resp: 16491

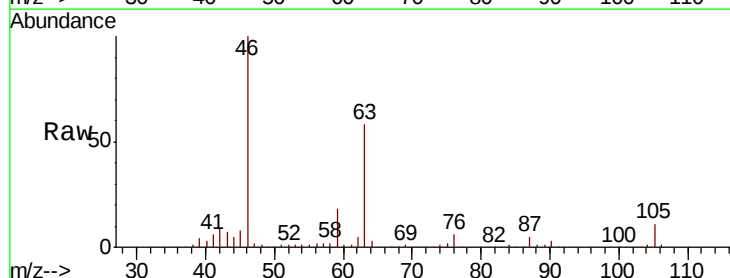
Ion Ratio Lower Upper

43 100

58 36.6 47.6 71.4#

57 31.8 17.1 25.7#

100 1.6 10.4 15.6#

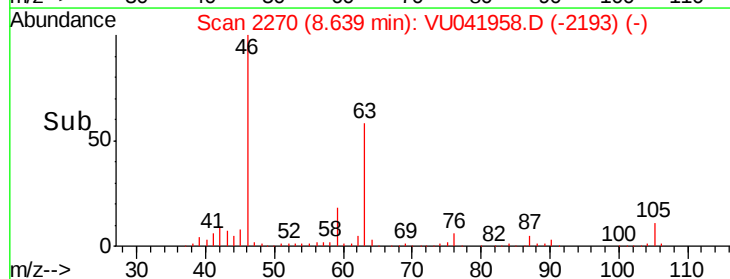
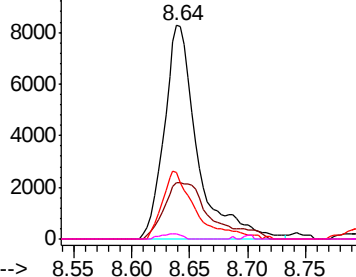


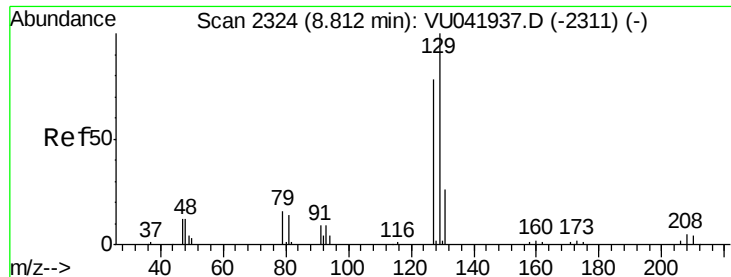
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 0.128 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU041958.D

Acq: 12 Jan 2021 06:35

Instrument :

MSVOA_U

ClientSampleId :

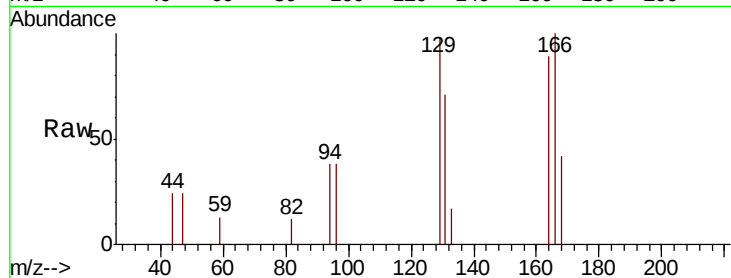
BFXQ5

Tot Ion:129 Resp: 1159

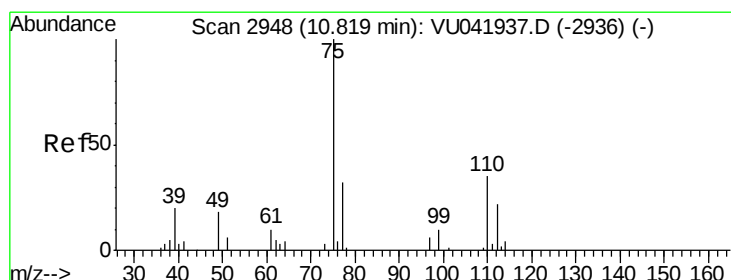
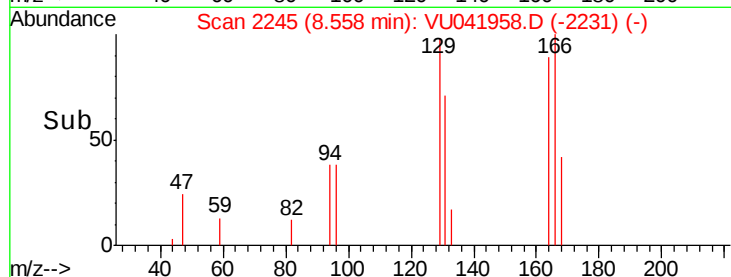
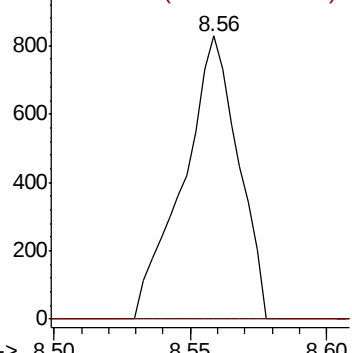
Ion Ratio Lower Upper

129 100

127 0.0 54.9 101.9#



Abundance Ion 128.95 (128.65 to 129.65): V



#59

1,2,3-Trichloropropane

Concen: 0.826 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041958.D

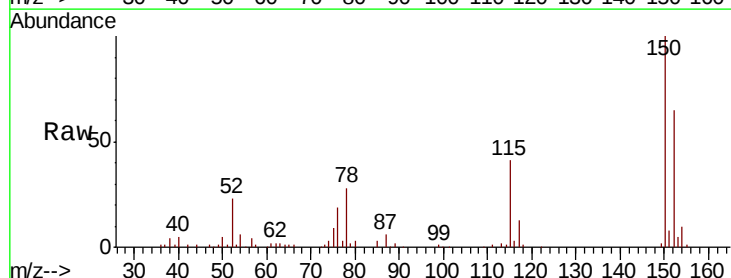
Acq: 12 Jan 2021 06:35

Tgt Ion: 75 Resp: 5853

Ion Ratio Lower Upper

75 100

77 34.3 27.0 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

