

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
 Data File : VU041927.D
 Acq On : 11 Jan 2021 17:54
 Operator : SY/MD
 Sample : M1026-19DL 20X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXMODL

Quant Time: Jan 12 03:28:05 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	113110	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	110233	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	47811	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	46259	4.85	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.00%
7) Chloroethane-d5	1.92	69	44473	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.80%
11) 1,1-Dichloroethene-d2	2.58	63	70749	3.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.20%
20) 2-Butanone-d5	4.66	46	170821	64.48	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	128.96%
24) Chloroform-d	5.08	84	89364	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
26) 1,2-Dichloroethane-d4	5.72	65	48025	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.80%
32) Benzene-d6	5.74	84	162926	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
36) 1,2-Dichloropropane-d6	6.70	67	53778	5.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.20%
41) Toluene-d8	7.90	98	136822	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
43) trans-1,3-Dichloropropene-	8.19	79	20642	4.83	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.60%
46) 2-Hexanone-d5	8.64	63	120977	55.99	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.98%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	46911	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	50557	5.59	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.80%

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	775	0.065 ug/L	98
8) Chloroethane	1.95	64	395	0.050 ug/L #	43
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	487	0.054 ug/L #	20
12) 1,1-Dichloroethene	2.58	96	691	0.078 ug/L #	1
16) Methylene chloride	3.06	84	5189	0.468 ug/L	93
22) cis-1,2-Dichloroethene	4.68	96	1960	0.214 ug/L	98
34) Trichloroethene	6.55	95	84236	9.033 ug/L	95
35) Methylcyclohexane	6.70	83	12510	0.913 ug/L #	17
37) 1,2-Dichloropropane	6.70	63	5728	0.647 ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1099	0.084 ug/L #	65
44) trans-1,3-Dichloropropene	8.18	75	775	0.067 ug/L #	67
47) Tetrachloroethene	8.56	164	2487	0.383 ug/L	98
48) 2-Hexanone	8.64	43	12946	3.122 ug/L #	65
49) Dibromochloromethane	8.55	129	2329	0.282 ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5514	0.852 ug/L	94

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jan 12 03:17:19 2021
Response via : Initial Calibration

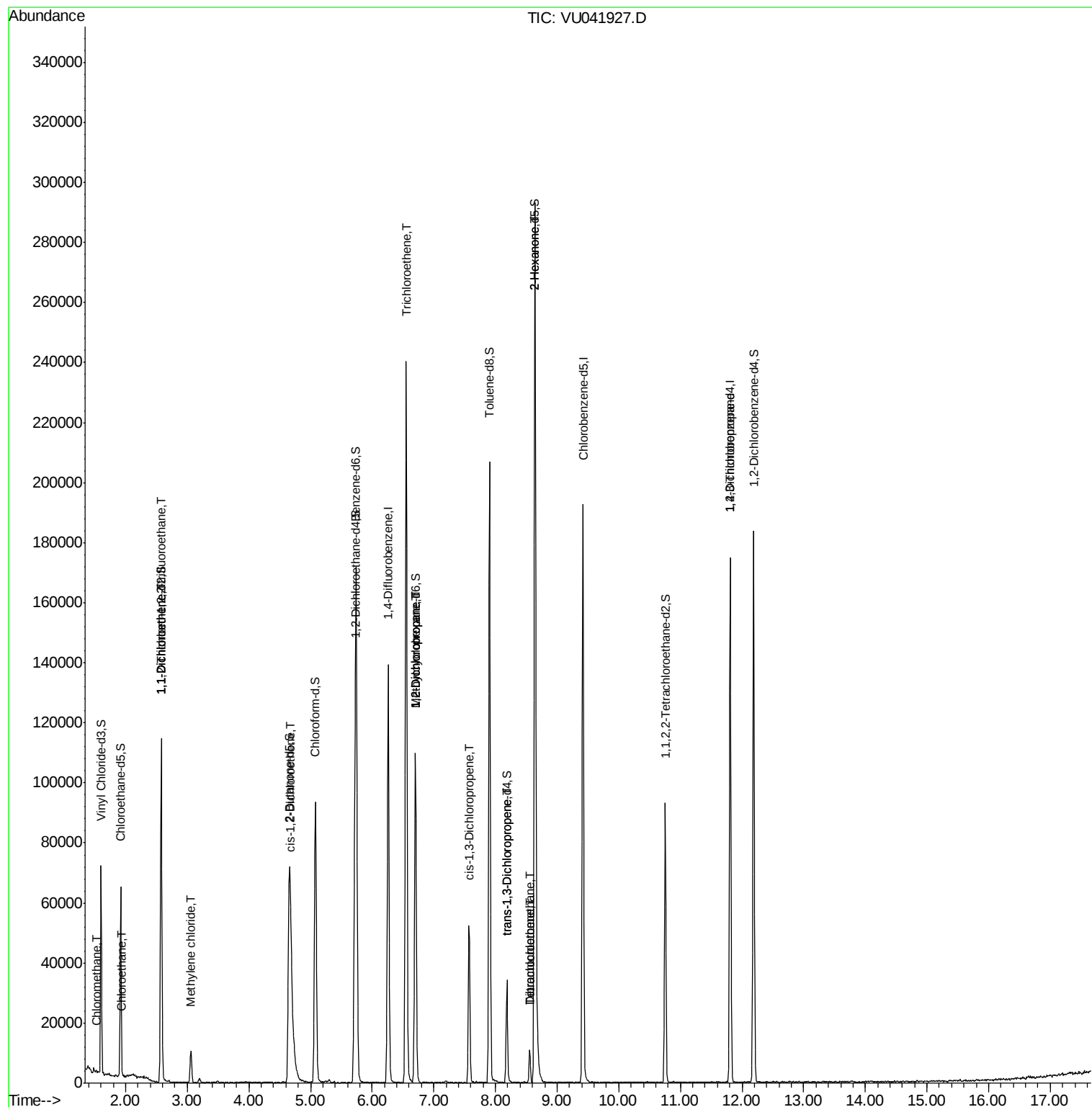
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

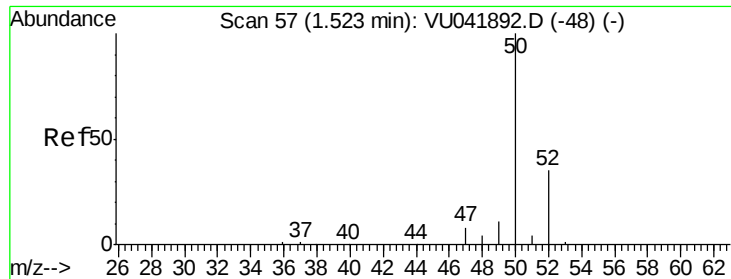
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.065 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041927.D

Acq: 11 Jan 2021 17:54

Instrument :

MSVOA_U

ClientSampleId :

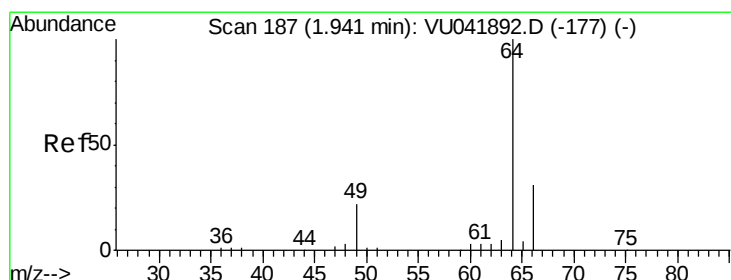
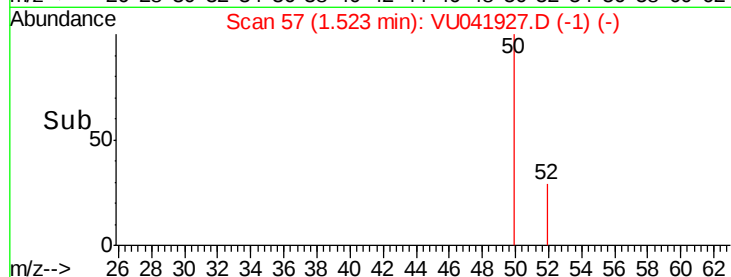
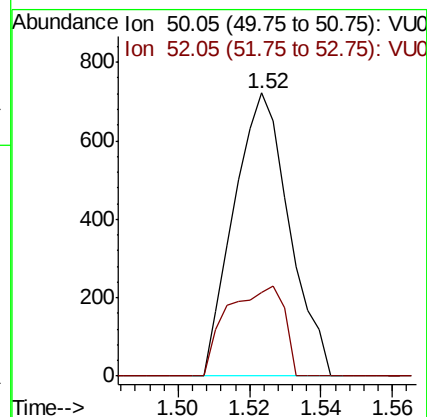
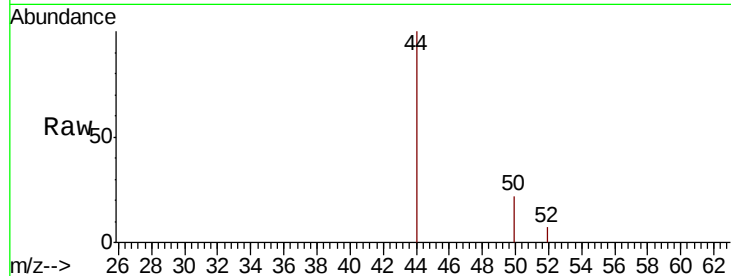
BFXMODL

Tot Ion: 50 Resp: 775

Ion Ratio Lower Upper

50 100

52 29.4 21.4 39.8



#8

Chloroethane

Concen: 0.050 ug/L

RT: 1.95 min Scan# 189

Delta R.T. 0.01 min

Lab File: VU041927.D

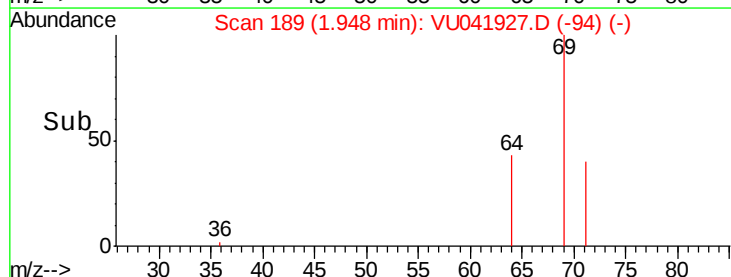
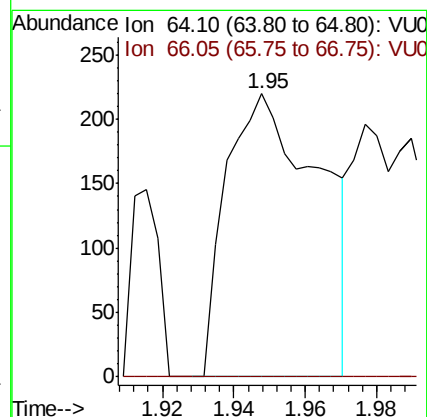
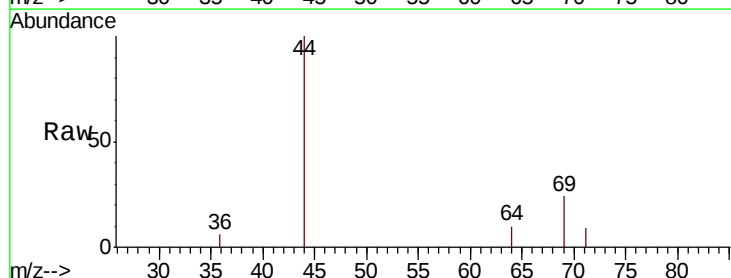
Acq: 11 Jan 2021 17:54

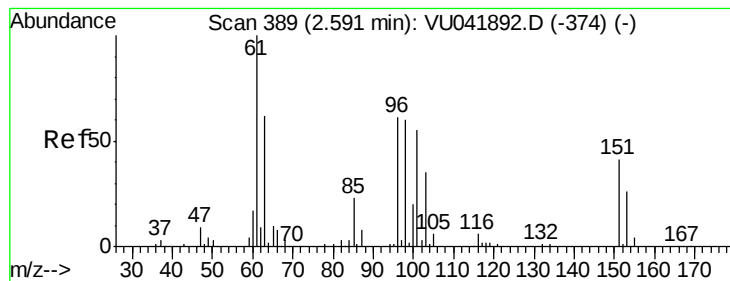
Tgt Ion: 64 Resp: 395

Ion Ratio Lower Upper

64 100

66 0.0 22.1 41.1#





#10

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

Concen: 0.054 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041927.D

Acq: 11 Jan 2021 17:54

Instrument :

MSVOA_U

ClientSampleId :

BFXMODL

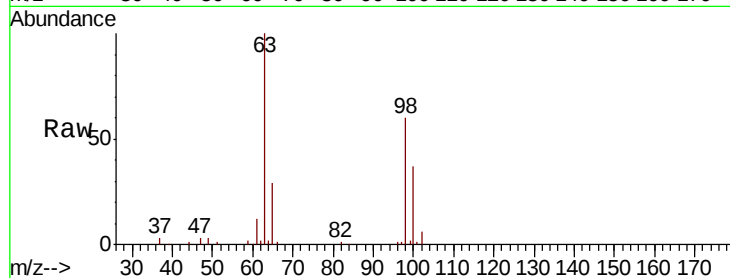
Tot Ion:101 Resp: 487

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

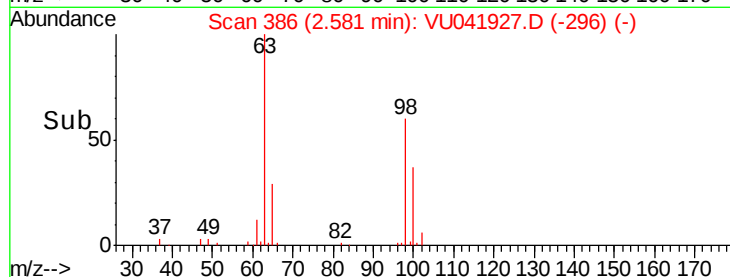
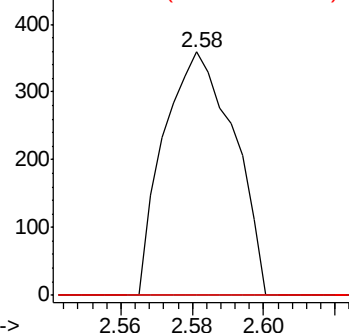
151 0.0 58.2 87.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.078 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041927.D

Acq: 11 Jan 2021 17:54

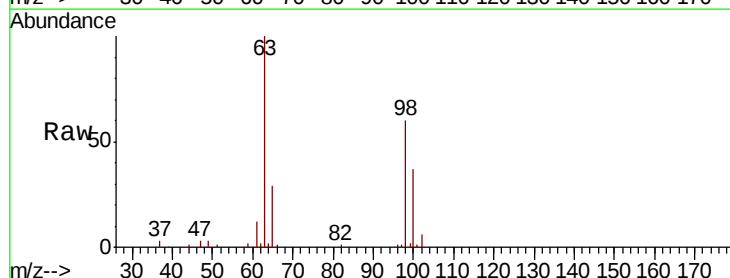
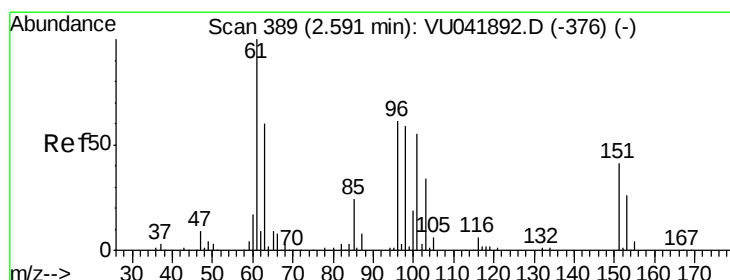
Tgt Ion: 96 Resp: 691

Ion Ratio Lower Upper

96 100

61 1031.2 123.5 229.4#

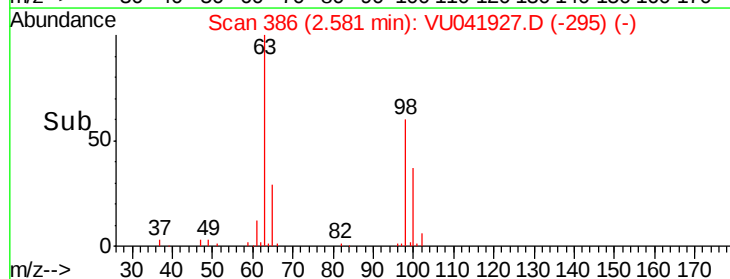
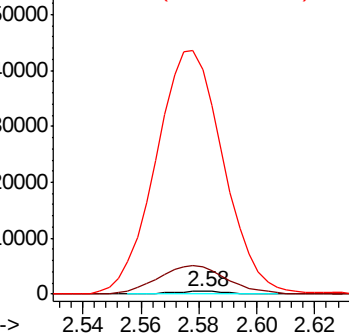
63 8621.1 93.5 173.7#

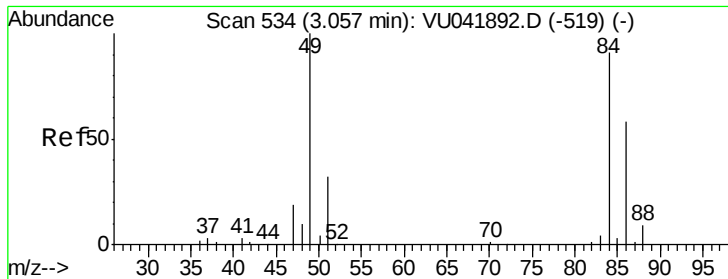


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

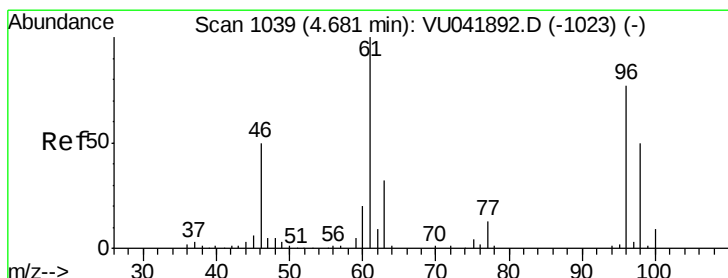
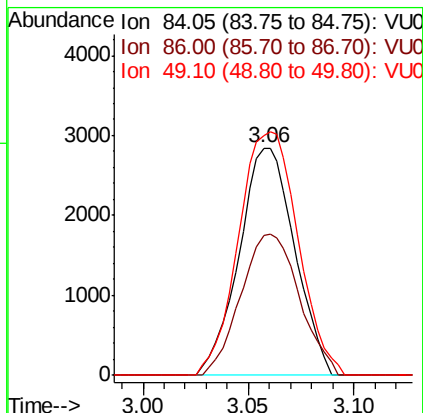
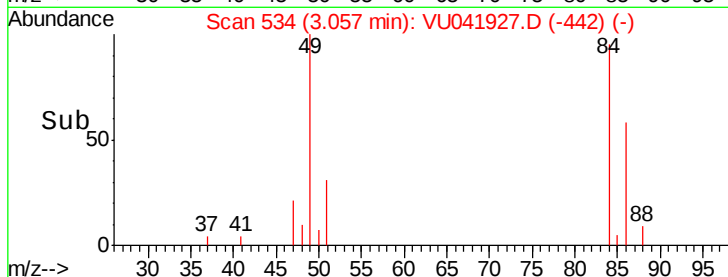
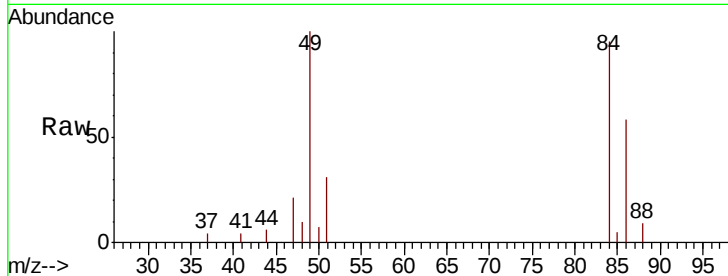




#16
Methylene chloride
Concen: 0.468 ug/L
RT: 3.06 min Scan# 534
Delta R.T. -0.00 min
Lab File: VU041927.D
Acq: 11 Jan 2021 17:54

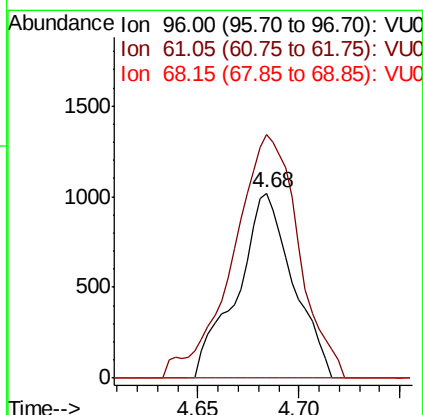
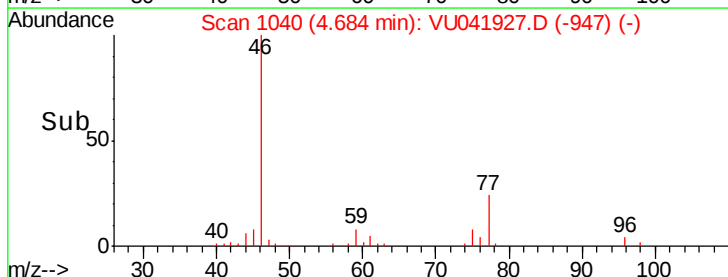
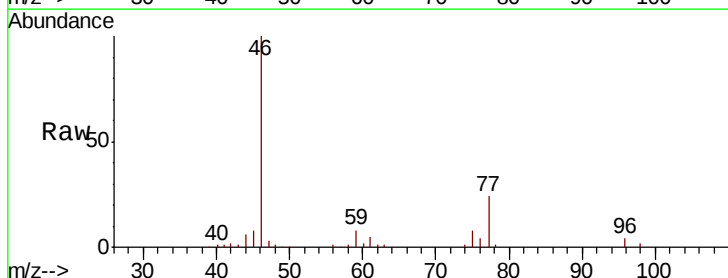
Instrument :
MSVOA_U
ClientSampleId :
BFXMODL

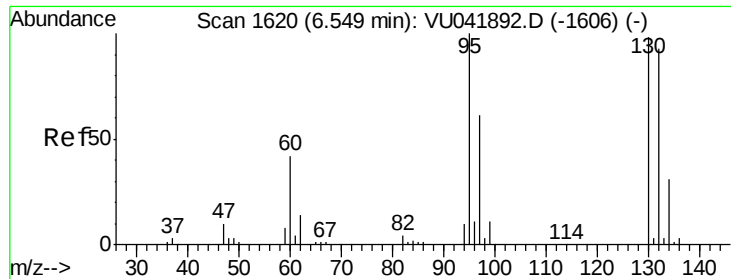
Tot Ion: 84 Resp: 5189
Ion Ratio Lower Upper
84 100
86 61.4 43.5 80.7
49 105.5 81.8 151.8



#22
cis-1,2-Dichloroethene
Concen: 0.214 ug/L
RT: 4.68 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VU041927.D
Acq: 11 Jan 2021 17:54

Tgt Ion: 96 Resp: 1960
Ion Ratio Lower Upper
96 100
61 131.6 90.3 167.7
68 0.0 0.0 0.0

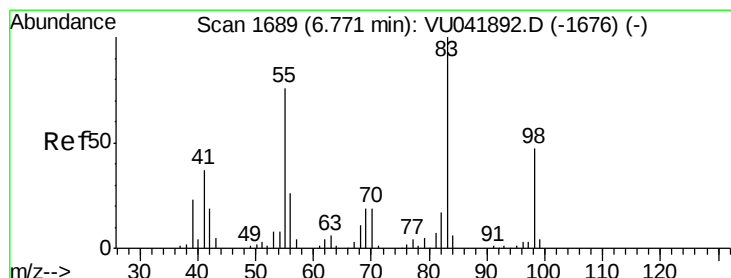
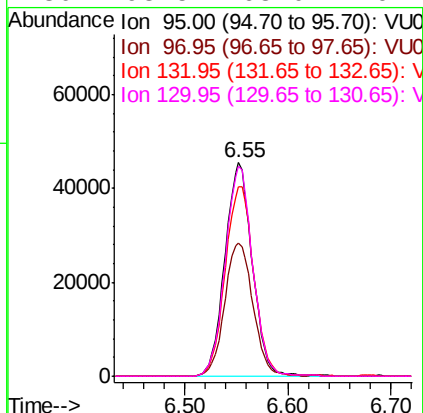
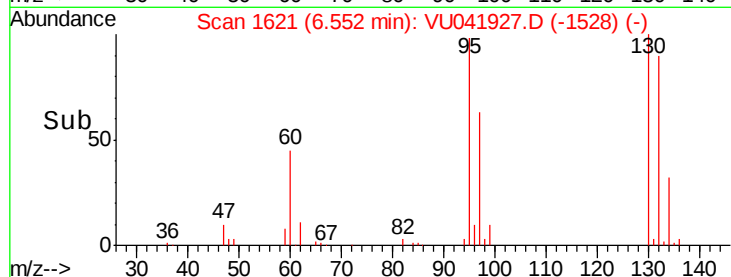
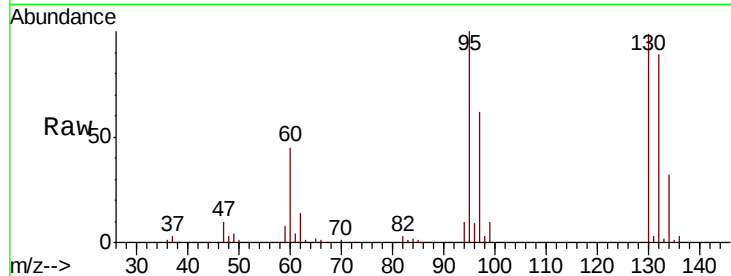




#34
 Trichloroethene
 Concen: 9.033 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU041927.D
 Acq: 11 Jan 2021 17:54

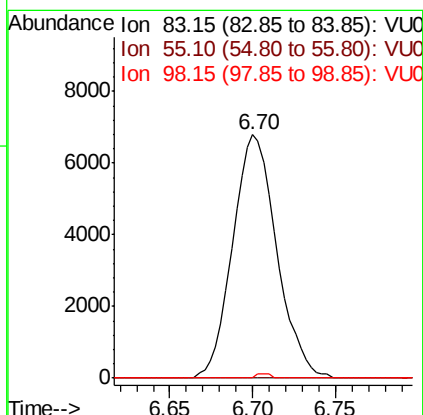
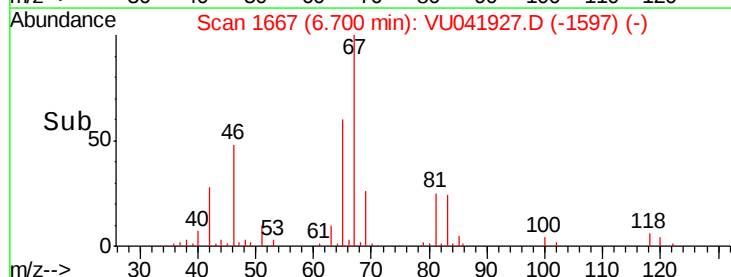
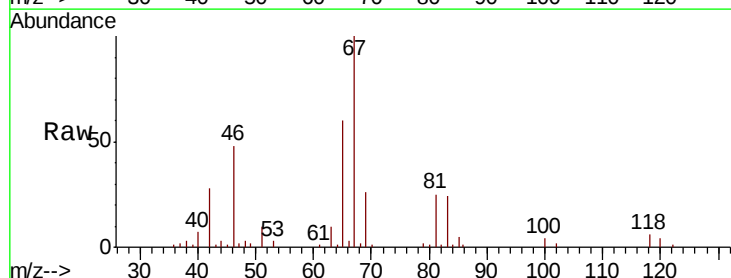
Instrument :
 MSVOA_U
 ClientSampleId :
 BFXMODL

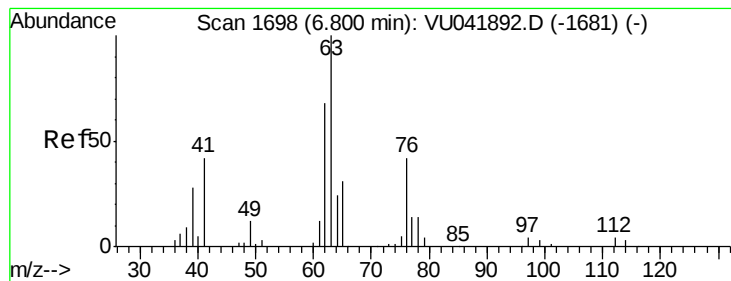
Tot Ion: 95 Resp: 84236
 Ion Ratio Lower Upper
 95 100
 97 62.3 45.2 84.0
 132 88.9 68.7 127.5
 130 98.5 68.0 126.4



#35
 Methylcyclohexane
 Concen: 0.913 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.07 min
 Lab File: VU041927.D
 Acq: 11 Jan 2021 17:54

Tgt Ion: 83 Resp: 12510
 Ion Ratio Lower Upper
 83 100
 55 0.0 64.3 96.5#
 98 0.0 36.6 54.8#





#37

1,2-Dichloropropane

Concen: 0.647 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.10 min

Lab File: VU041927.D

Acq: 11 Jan 2021 17:54

Instrument :

MSVOA_U

ClientSampleId :

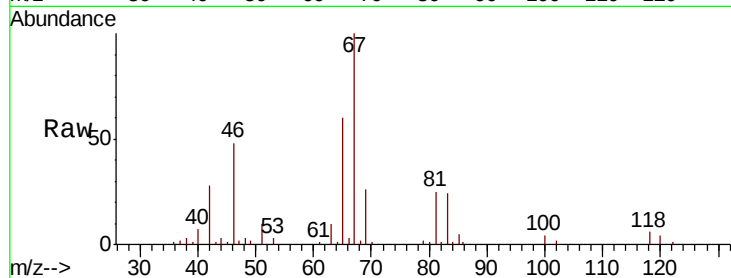
BFXMODL

Tot Ion: 63 Resp: 5728

Ion Ratio Lower Upper

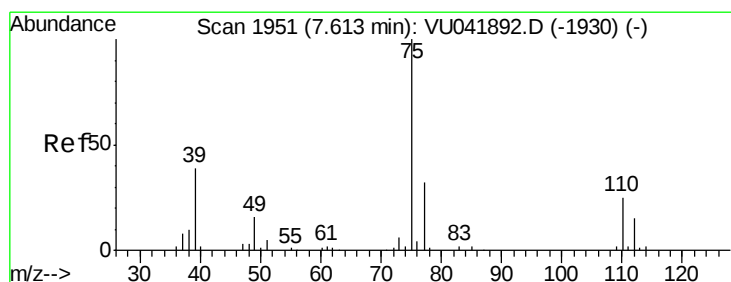
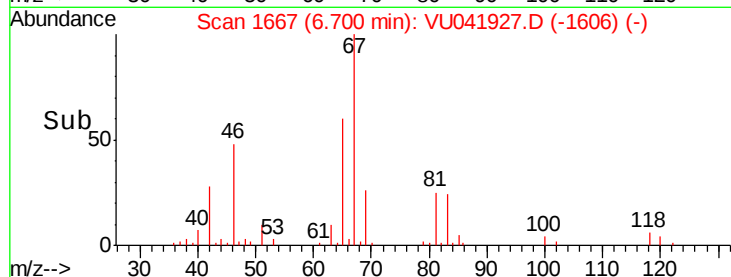
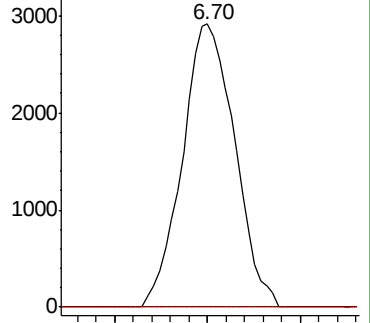
63 100

112 0.0 3.3 4.9#



Abundance Ion 63.10 (62.80 to 63.80): VU041927.D (-1667) (-)

Ion 112.10 (111.80 to 112.80): VU041927.D (-1667) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.084 ug/L

RT: 7.57 min Scan# 1937

Delta R.T. -0.05 min

Lab File: VU041927.D

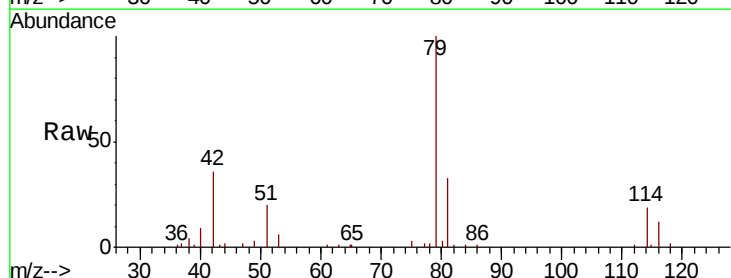
Acq: 11 Jan 2021 17:54

Tgt Ion: 75 Resp: 1099

Ion Ratio Lower Upper

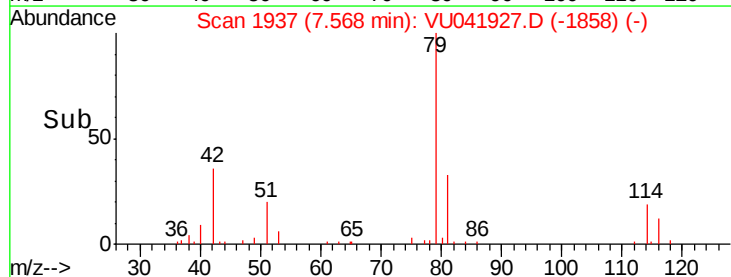
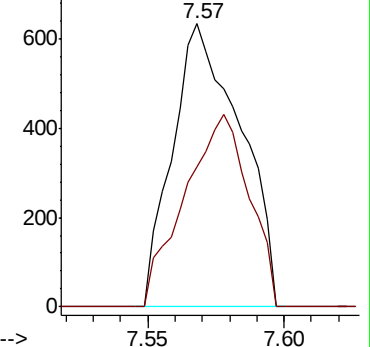
75 100

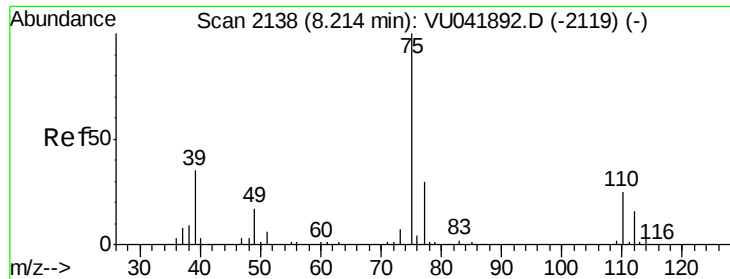
77 49.6 21.5 39.9#



Abundance Ion 75.05 (74.75 to 75.75): VU041927.D (-1858) (-)

Ion 77.05 (76.75 to 77.75): VU041927.D (-1858) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.067 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.04 min

Lab File: VU041927.D

Acq: 11 Jan 2021 17:54

Instrument :

MSVOA_U

ClientSampled :

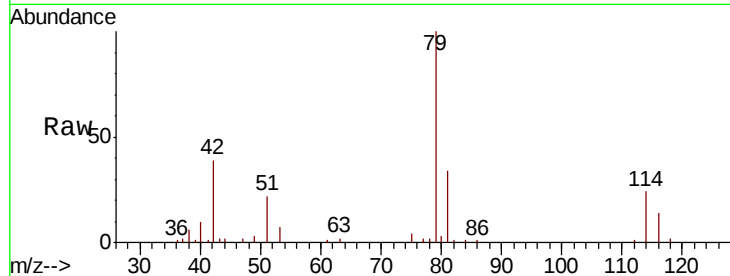
BFXMODL

Tot Ion: 75 Resp: 775

Ion Ratio Lower Upper

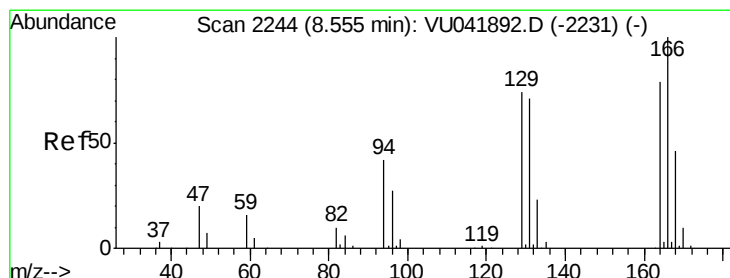
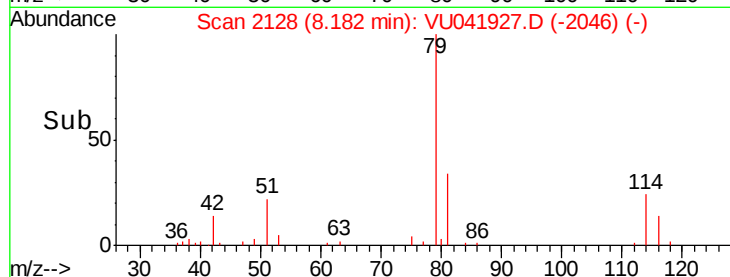
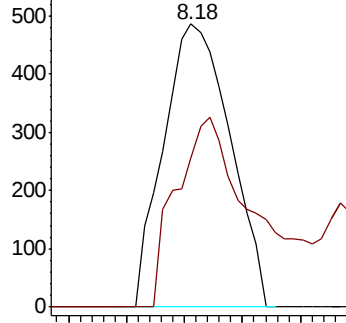
75 100

77 52.7 23.7 44.1#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#47

Tetrachloroethene

Concen: 0.383 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU041927.D

Acq: 11 Jan 2021 17:54

Tgt Ion:164 Resp: 2487

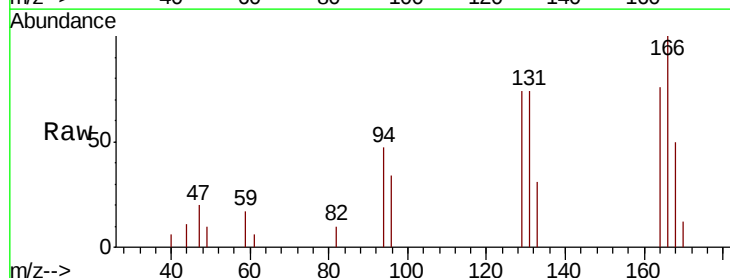
Ion Ratio Lower Upper

164 100

129 97.1 69.2 128.6

131 97.6 69.7 129.5

166 131.3 89.2 165.8

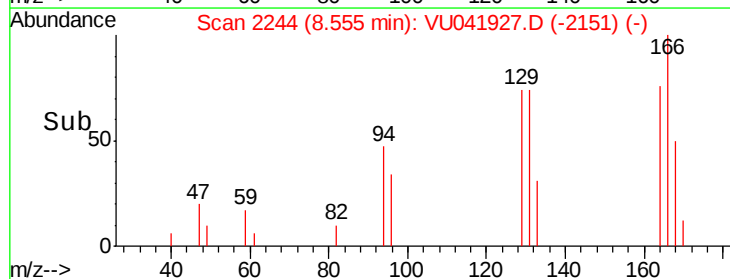
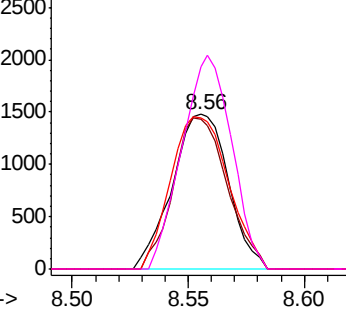


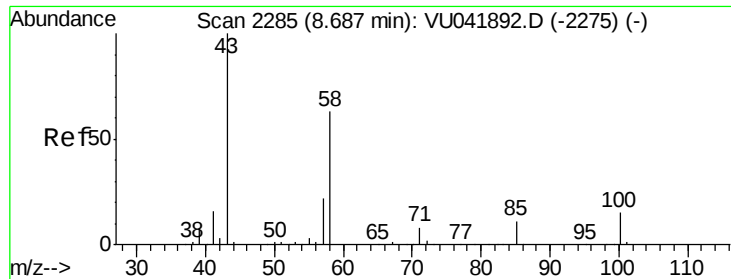
Abundance Ion 163.90 (163.60 to 164.60): V

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

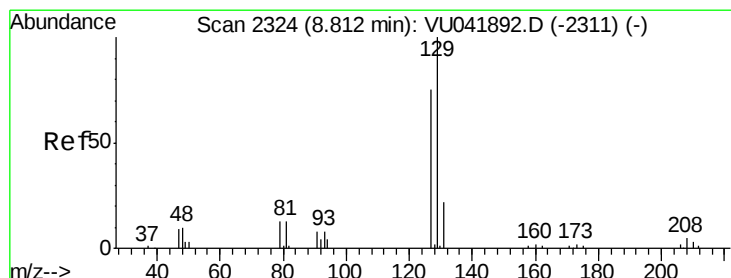
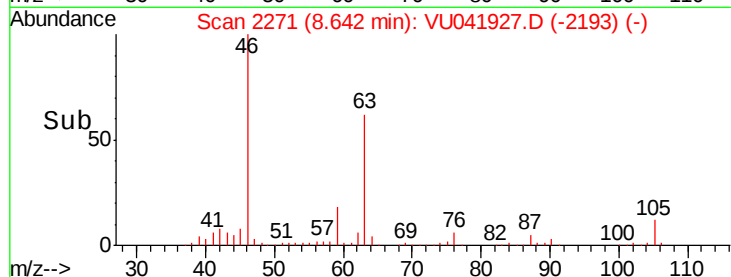
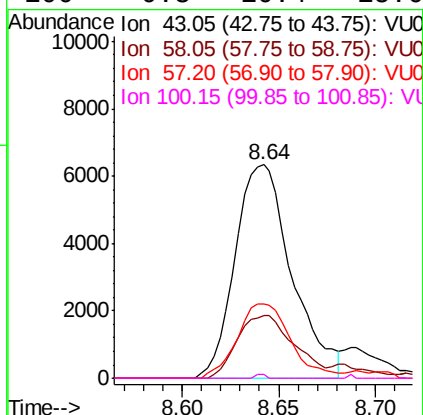
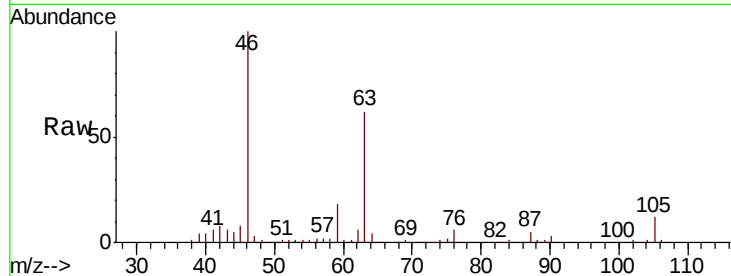




#48
2-Hexanone
Concen: 3.122 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU041927.D
Acq: 11 Jan 2021 17:54

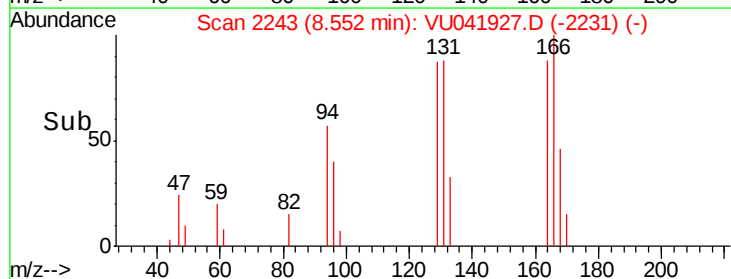
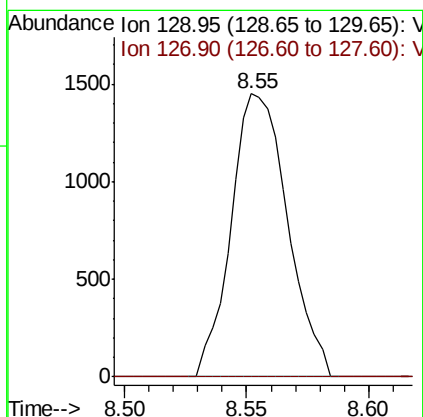
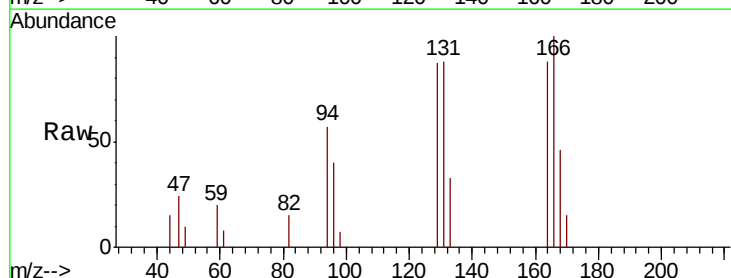
Instrument :
MSVOA_U
ClientSampleId :
BFXMODL

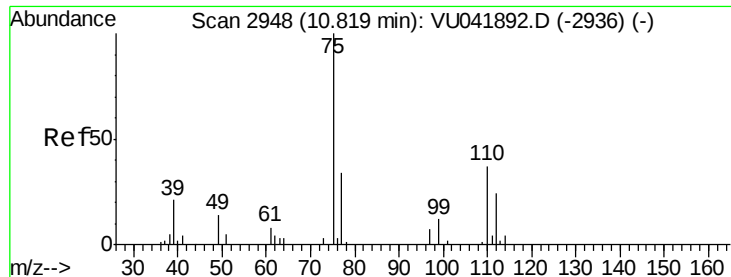
Tot Ion	Ratio	Lower	Upper
43	100		
58	29.6	47.6	71.4#
57	32.7	17.1	25.7#
100	0.3	10.4	15.6#



#49
Dibromochloromethane
Concen: 0.282 ug/L
RT: 8.55 min Scan# 2243
Delta R.T. -0.26 min
Lab File: VU041927.D
Acq: 11 Jan 2021 17:54

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.9	101.9#





#59

1,2,3-Trichloropropane

Concen: 0.852 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041927.D

Acq: 11 Jan 2021 17:54

Instrument :

MSVOA_U

ClientSampleId :

BFXMODL

Tot Ion: 75 Resp: 5514

Ion Ratio Lower Upper

75 100

77 30.1 27.0 40.4

