

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
 Data File : VU041923.D
 Acq On : 11 Jan 2021 16:18
 Operator : SY/MD
 Sample : M1026-08DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXK5DL

Quant Time: Jan 12 03:27:18 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	117596	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	115453	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	52336	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	48071	4.85	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.00%
7) Chloroethane-d5	1.92	69	45001	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	2.58	63	66951	3.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.20%
20) 2-Butanone-d5	4.65	46	144676	52.52	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.04%
24) Chloroform-d	5.08	84	84688	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.72	65	47644	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
32) Benzene-d6	5.74	84	164382	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
36) 1,2-Dichloropropane-d6	6.70	67	52594	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.20%
41) Toluene-d8	7.90	98	138650	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
43) trans-1,3-Dichloropropene-	8.19	79	21180	4.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.80%
46) 2-Hexanone-d5	8.64	63	122928	54.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.64%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	47675	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	50193	5.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	886	0.078 ug/L	93
3) Chloromethane	1.52	50	779	0.063 ug/L	94
8) Chloroethane	1.95	64	298	0.036 ug/L #	43
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	666	0.071 ug/L #	20
16) Methylene chloride	3.06	84	3406	0.295 ug/L	91
17) Methyl tert-butyl Ether	3.38	73	109046	4.953 ug/L	97
27) 1,2-Dichloroethane	5.75	62	730	0.065 ug/L #	73
33) Benzene	5.75	78	1275	0.034 ug/L	100
35) Methylcyclohexane	6.70	83	12627	0.879 ug/L #	17
37) 1,2-Dichloropropane	6.70	63	5321	0.573 ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1240	0.091 ug/L #	41
44) trans-1,3-Dichloropropene	8.18	75	845	0.070 ug/L #	82
47) Tetrachloroethene	8.56	164	526	0.077 ug/L	90
49) Dibromochloromethane	8.56	129	547	0.063 ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5842	0.862 ug/L	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
Data File : VU041923.D
Acq On : 11 Jan 2021 16:18
Operator : SY/MD
Sample : M1026-08DL 5X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXK5DL

Quant Time: Jan 12 03:27:18 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

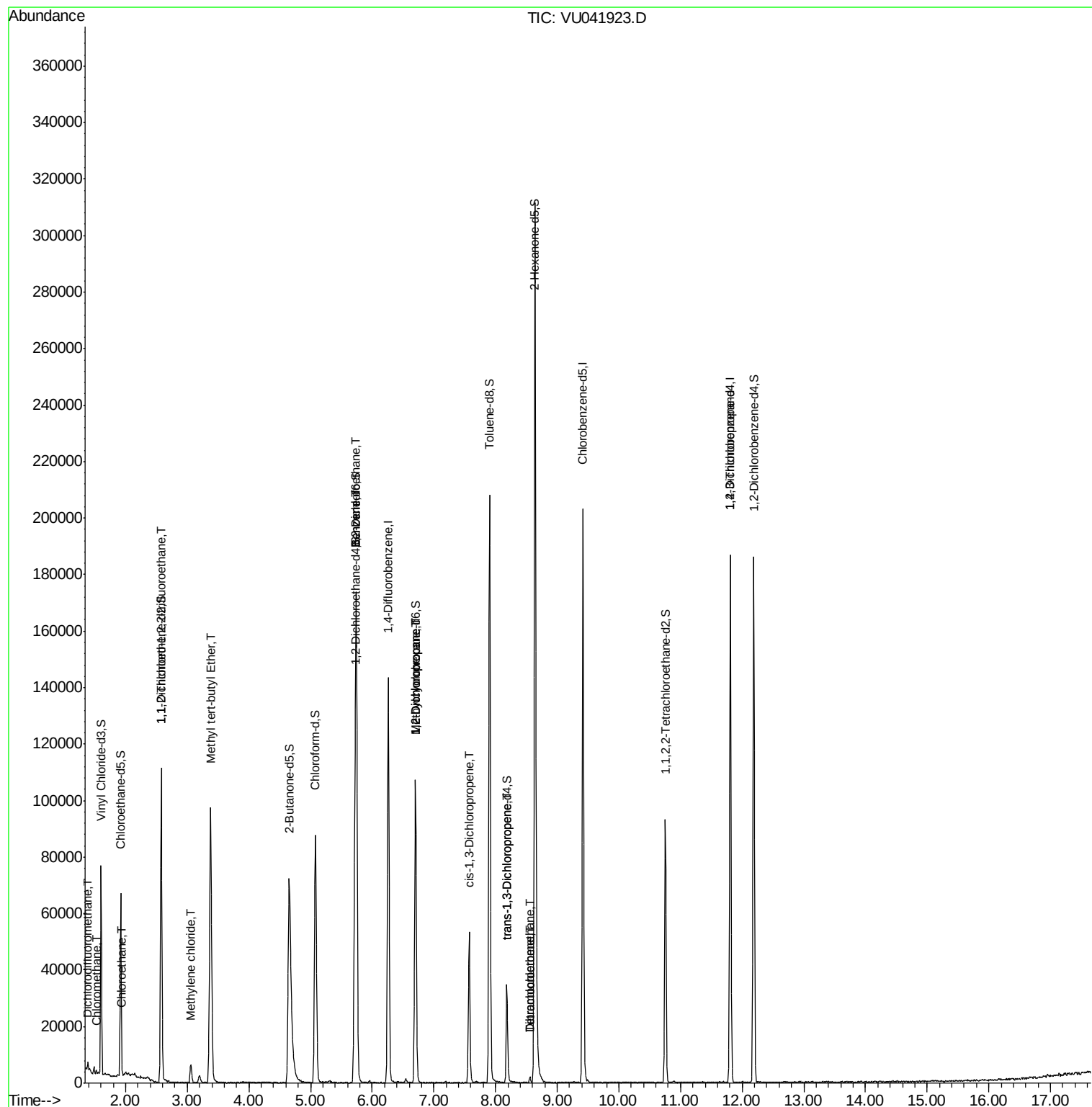
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

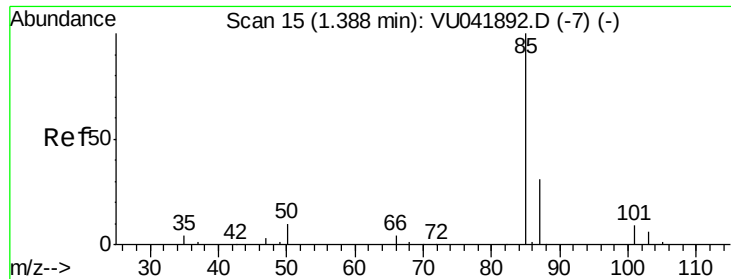
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
Data File : VU041923.D
Acq On : 11 Jan 2021 16:18
Operator : SY/MD
Sample : M1026-08DL 5X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXK5DL

Quant Time: Jan 12 03:27:18 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





#2

Dichlorodifluoromethane

Concen: 0.078 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041923.D

Acq: 11 Jan 2021 16:18

Instrument :

MSVOA_U

ClientSampleId :

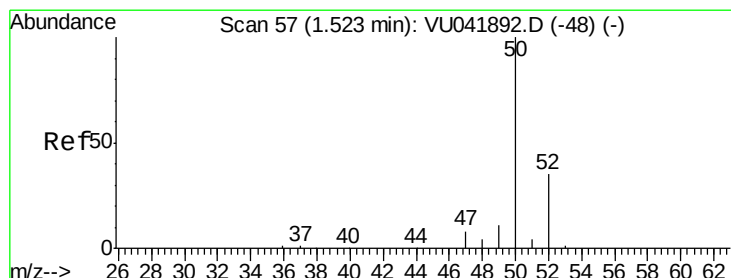
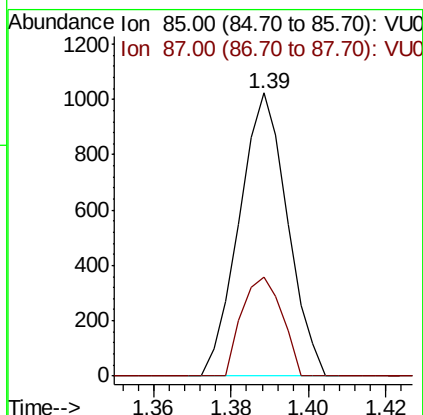
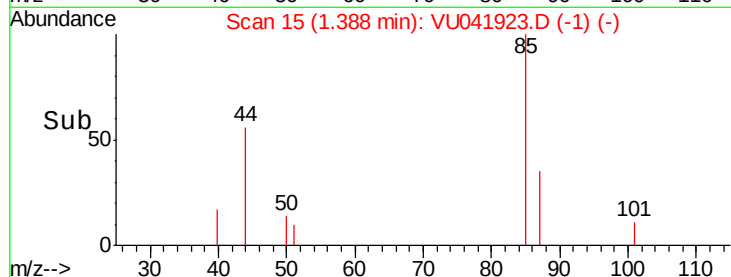
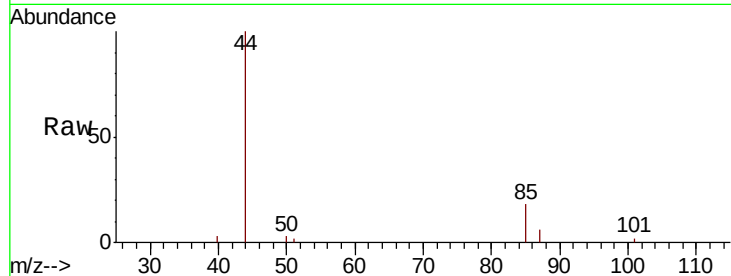
BFXK5DL

Tot Ion: 85 Resp: 886

Ion Ratio Lower Upper

85 100

87 29.0 26.3 39.5



#3

Chloromethane

Concen: 0.063 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041923.D

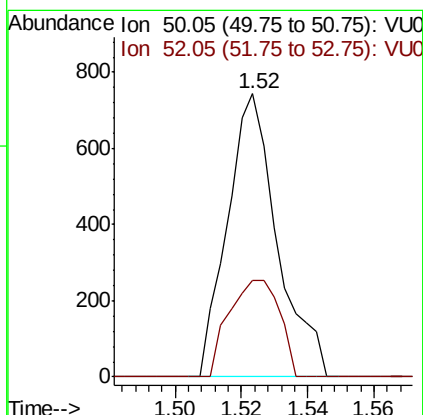
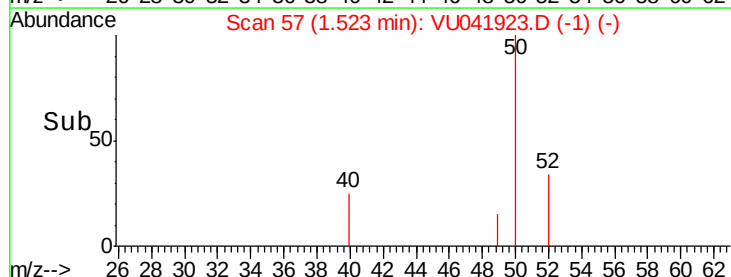
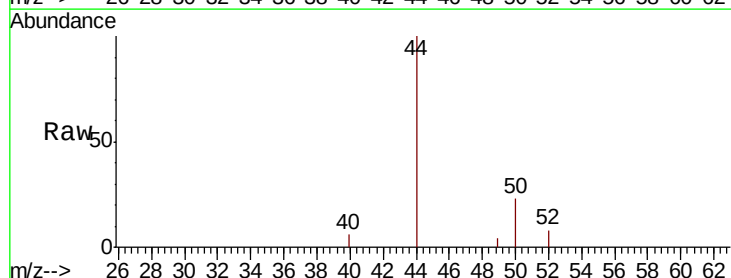
Acq: 11 Jan 2021 16:18

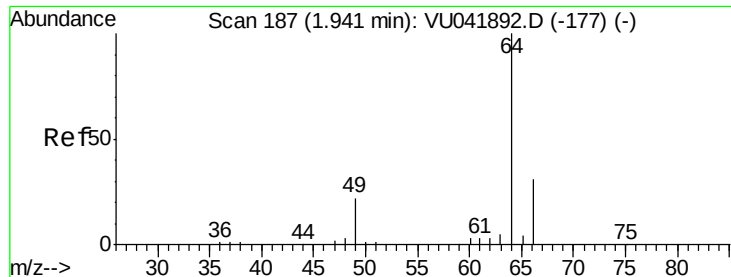
Tgt Ion: 50 Resp: 779

Ion Ratio Lower Upper

50 100

52 33.9 21.4 39.8





#8

Chloroethane

Concen: 0.036 ug/L

RT: 1.95 min Scan# 189

Delta R.T. 0.01 min

Lab File: VU041923.D

Acq: 11 Jan 2021 16:18

Instrument :

MSVOA_U

ClientSampleId :

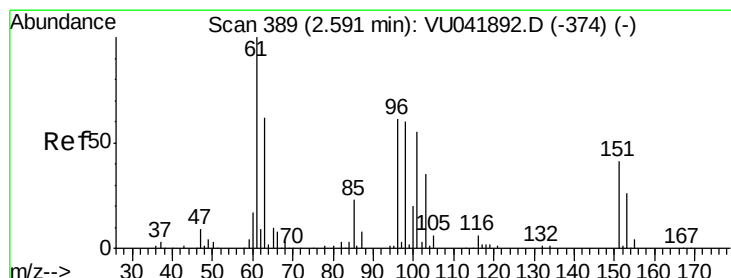
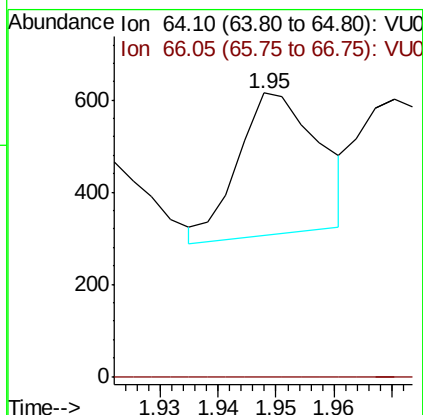
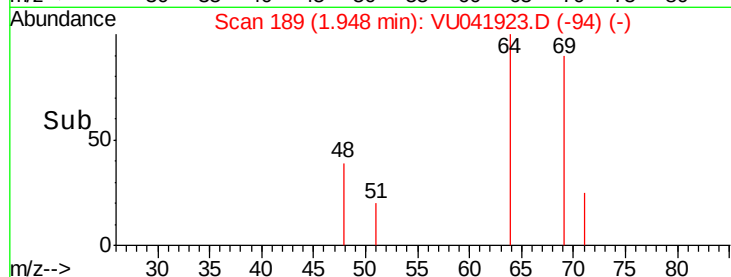
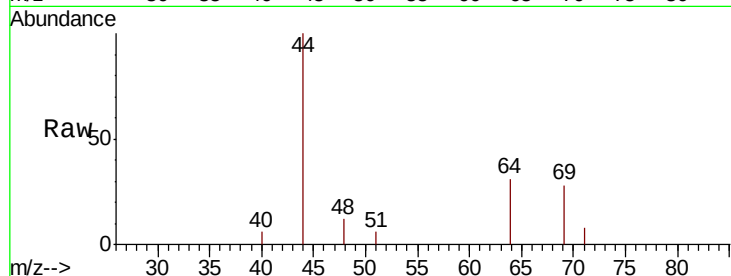
BFXK5DL

Tot Ion: 64 Resp: 298

Ion Ratio Lower Upper

64 100

66 0.0 22.1 41.1#



#10

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

Concen: 0.071 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041923.D

Acq: 11 Jan 2021 16:18

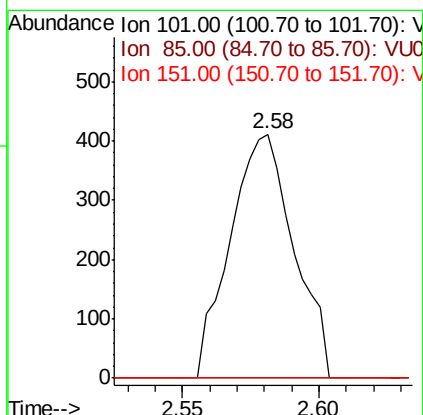
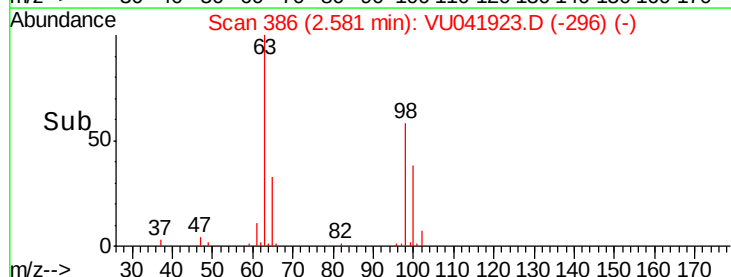
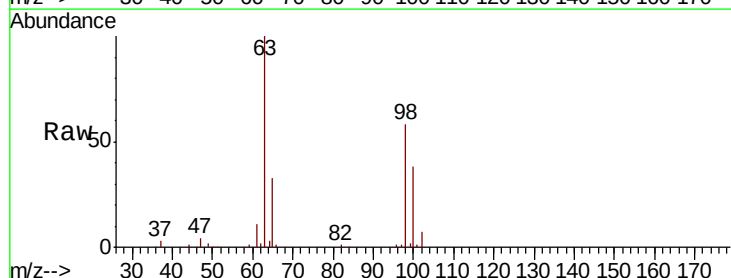
Tgt Ion: 101 Resp: 666

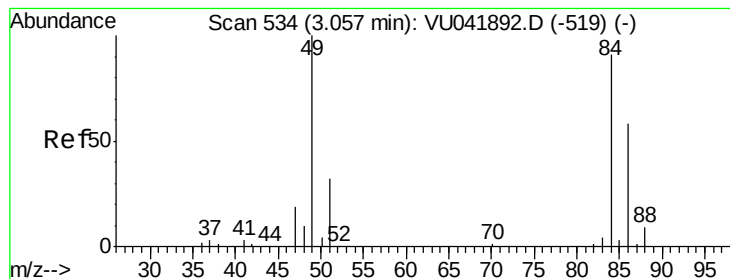
Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

151 0.0 58.2 87.2#





#16

Methylene chloride

Concen: 0.295 ug/L

RT: 3.06 min Scan# 534

Delta R.T. -0.00 min

Lab File: VU041923.D

Acq: 11 Jan 2021 16:18

Instrument :

MSVOA_U

ClientSampleId :

BFXK5DL

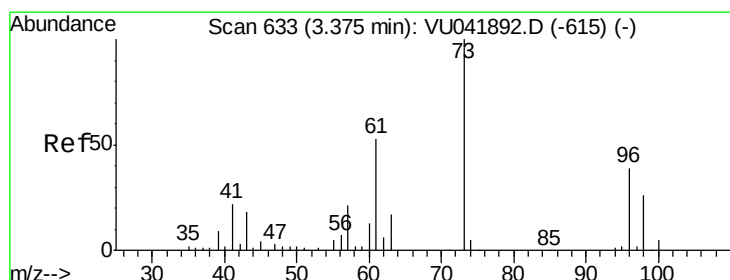
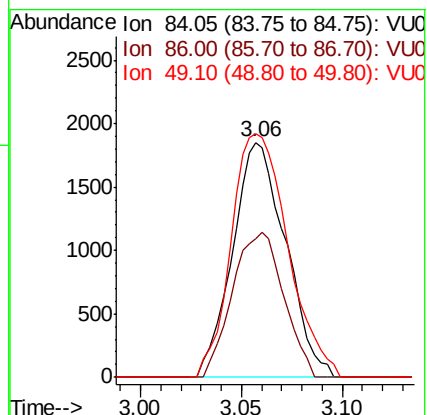
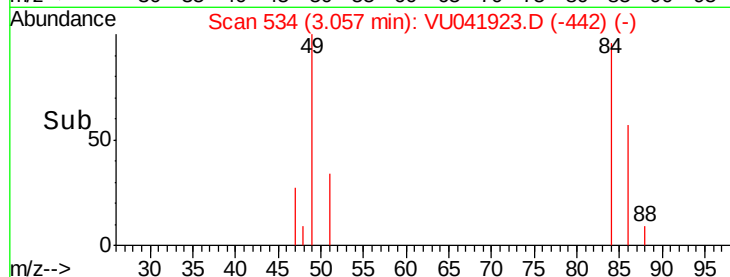
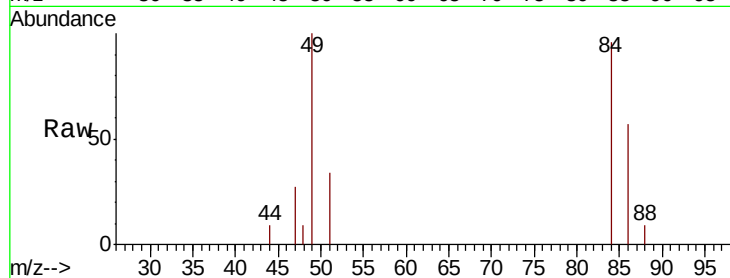
Tot Ion: 84 Resp: 3406

Ion Ratio Lower Upper

84 100

86 59.1 43.5 80.7

49 103.7 81.8 151.8



#17

Methyl tert-butyl Ether

Concen: 4.953 ug/L

RT: 3.38 min Scan# 634

Delta R.T. -0.00 min

Lab File: VU041923.D

Acq: 11 Jan 2021 16:18

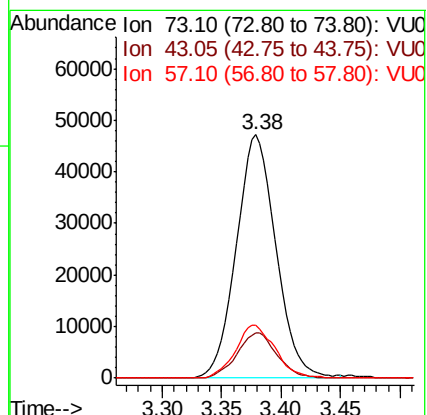
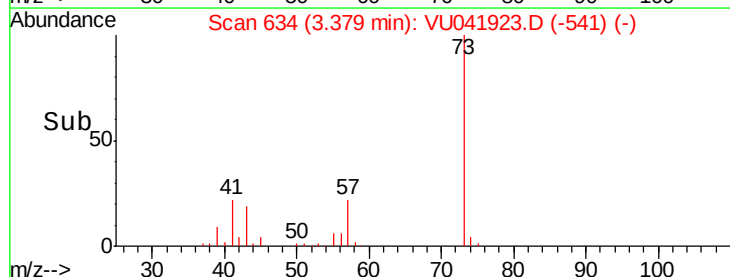
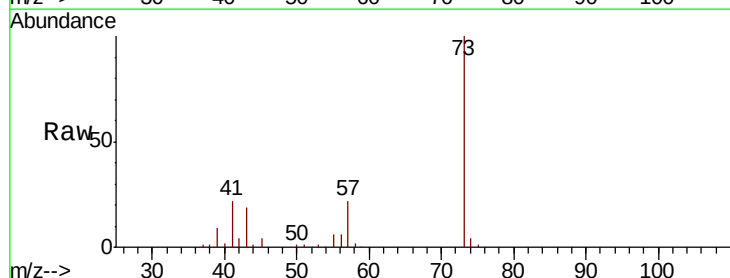
Tgt Ion: 73 Resp: 109046

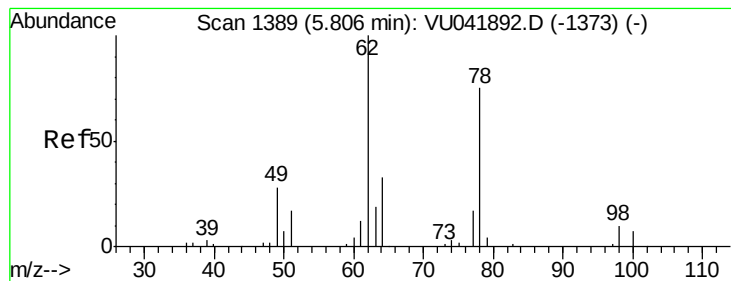
Ion Ratio Lower Upper

73 100

43 18.6 15.8 23.8

57 21.7 18.3 27.5





#27

1,2-Dichloroethane

Concen: 0.065 ug/L

RT: 5.75 min Scan# 1370

Delta R.T. -0.06 min

Lab File: VU041923.D

Acq: 11 Jan 2021 16:18

Instrument :

MSVOA_U

ClientSampleId :

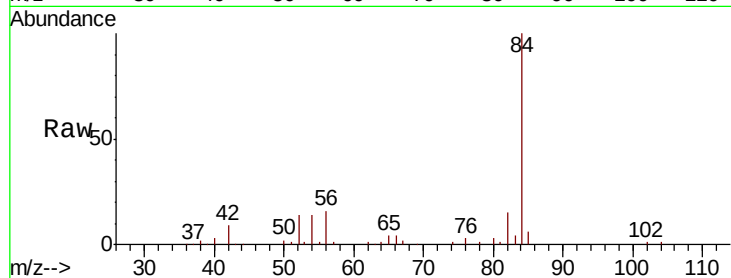
BFXK5DL

Tot Ion: 62 Resp: 730

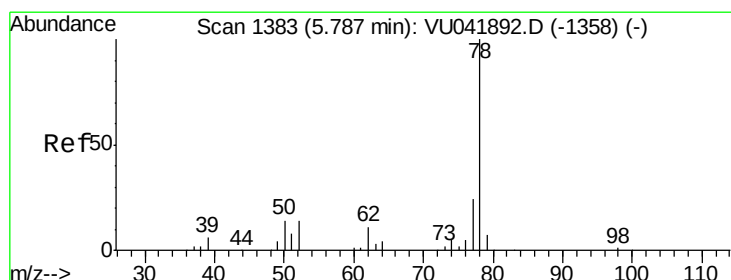
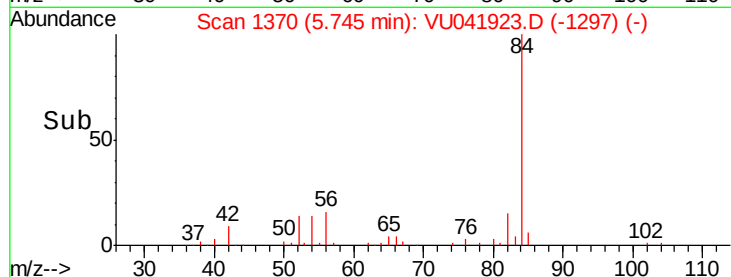
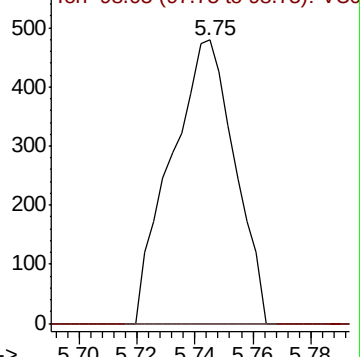
Ion Ratio Lower Upper

62 100

98 0.0 7.8 11.8#



Abundance Ion 62.00 (61.70 to 62.70): VU041892.D (-1373) (-)



#33

Benzene

Concen: 0.034 ug/L

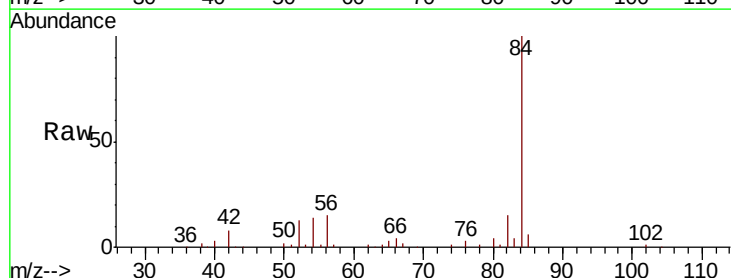
RT: 5.75 min Scan# 1371

Delta R.T. -0.04 min

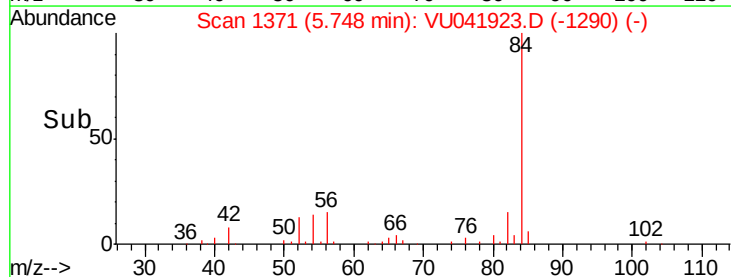
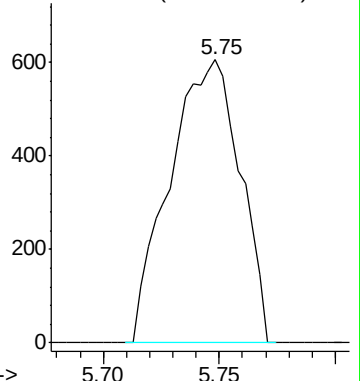
Lab File: VU041923.D

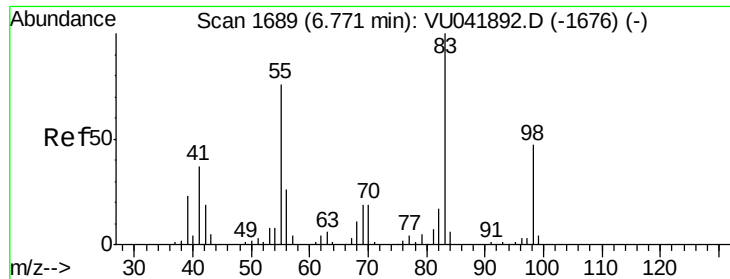
Acq: 11 Jan 2021 16:18

Tgt Ion: 78 Resp: 1275



Abundance Ion 78.10 (77.80 to 78.80): VU041892.D (-1358) (-)

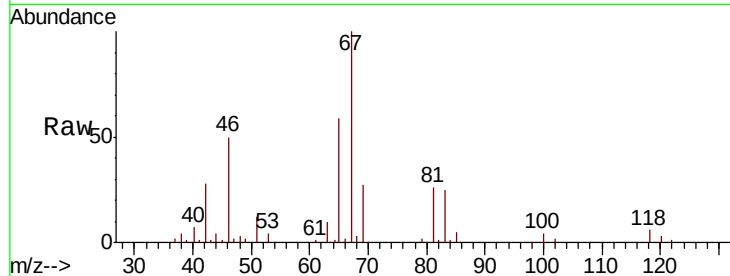




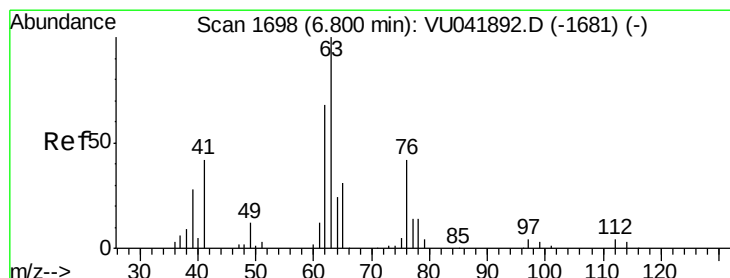
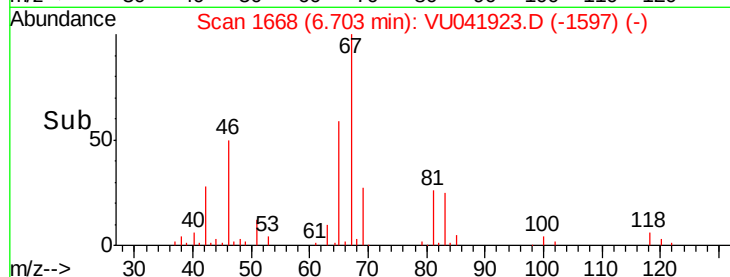
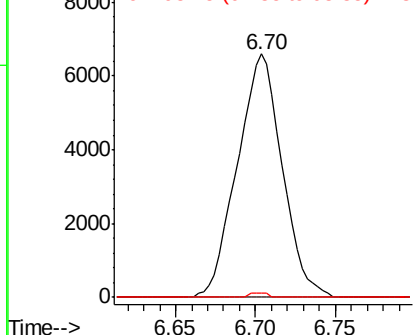
#35
Methylvlcyclohexane
Concen: 0.879 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041923.D
Acq: 11 Jan 2021 16:18

Instrument :
MSVOA_U
ClientSampleId :
BFXK5DL

Tot Ion	83.15	Resp	12627
Ion Ratio	Lower	Upper	
83	100		
55	0.0	64.3	96.5#
98	0.7	36.6	54.8#

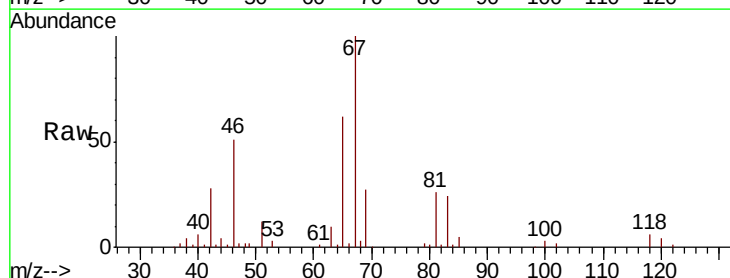


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

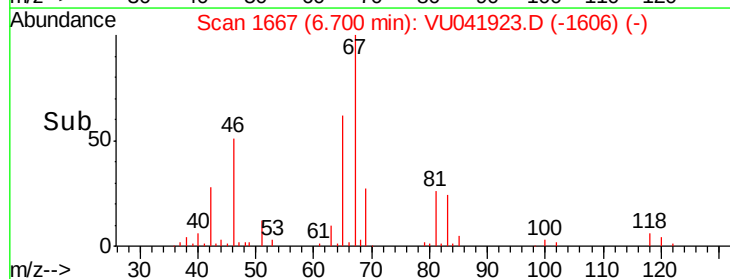
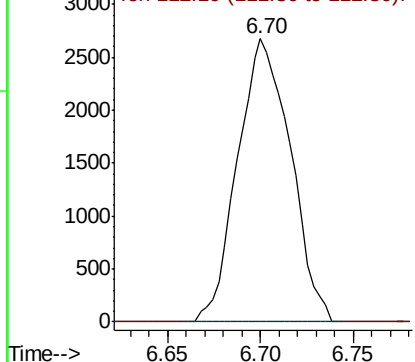


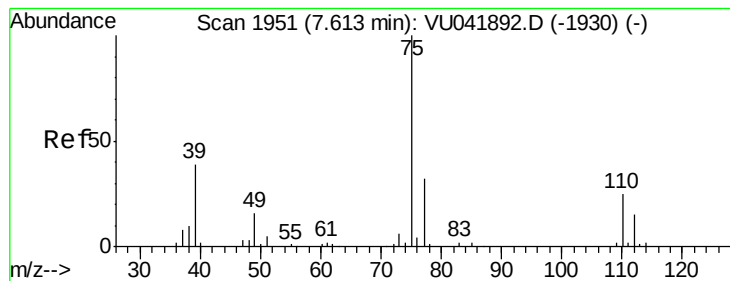
#37
1,2-Dichloropropane
Concen: 0.573 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041923.D
Acq: 11 Jan 2021 16:18

Tgt Ion	63	Resp	5321
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: VU041923.D

Acq: 11 Jan 2021 16:18

Instrument :

MSVOA_U

ClientSampleId :

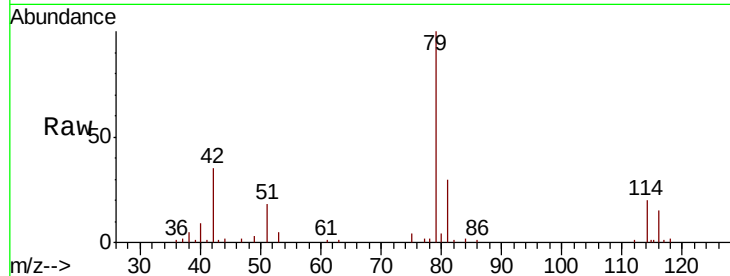
BFXK5DL

Tot Ion: 75 Resp: 1240

Ion Ratio Lower Upper

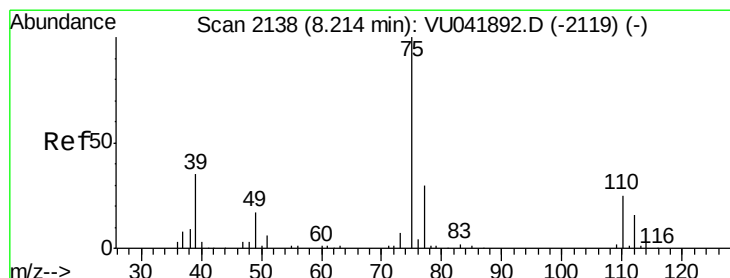
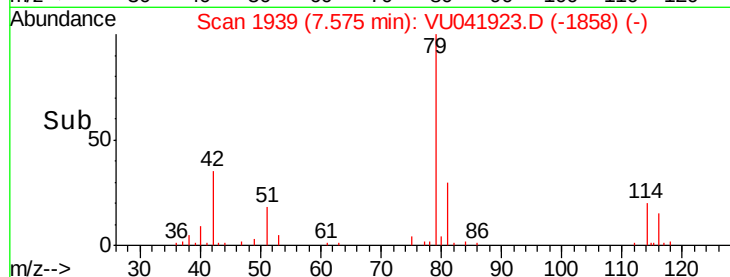
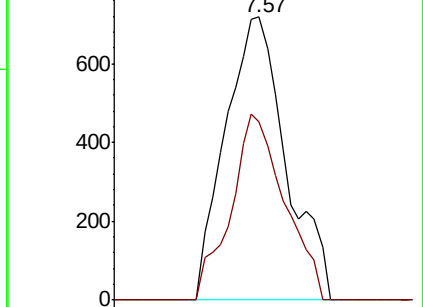
75 100

77 62.8 21.5 39.9#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.070 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.04 min

Lab File: VU041923.D

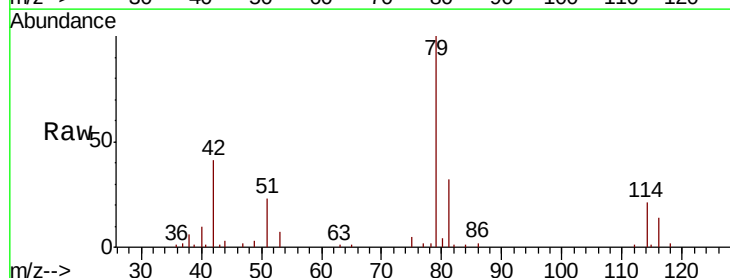
Acq: 11 Jan 2021 16:18

Tgt Ion: 75 Resp: 845

Ion Ratio Lower Upper

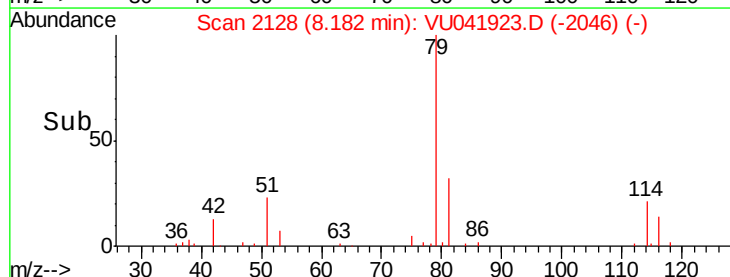
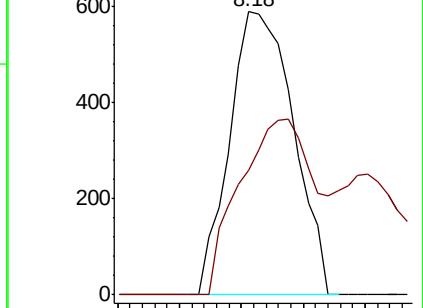
75 100

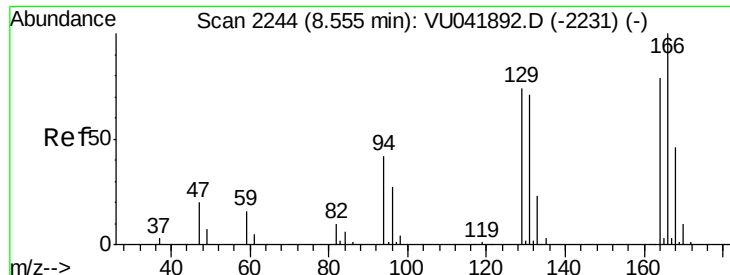
77 44.2 23.7 44.1#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#47

Tetrachloroethene

Concen: 0.077 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041923.D

Acq: 11 Jan 2021 16:18

Instrument :

MSVOA_U

ClientSampleId :

BFXK5DL

Tot Ion:164 Resp: 526

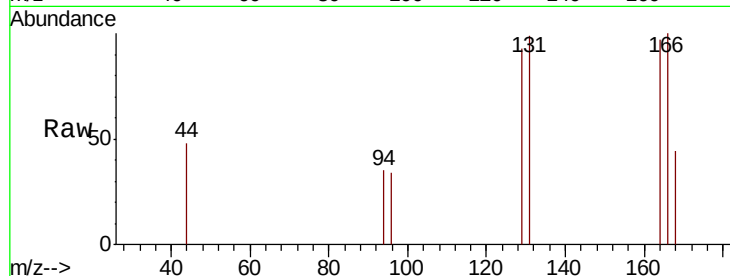
Ion Ratio Lower Upper

164 100

129 96.3 69.2 128.6

131 102.7 69.7 129.5

166 103.5 89.2 165.8

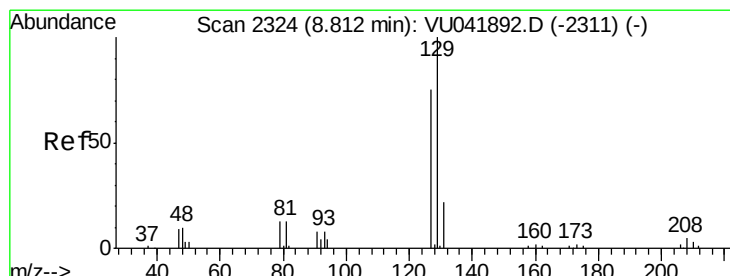
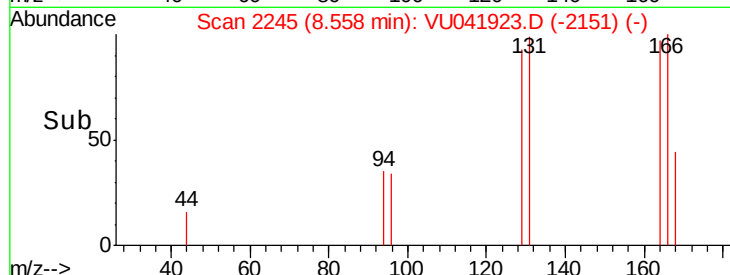
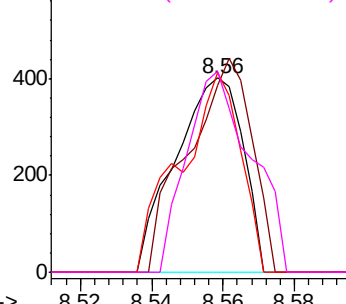


Abundance Ion 163.90 (163.60 to 164.60): V

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



#49

Dibromochloromethane

Concen: 0.063 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. -0.25 min

Lab File: VU041923.D

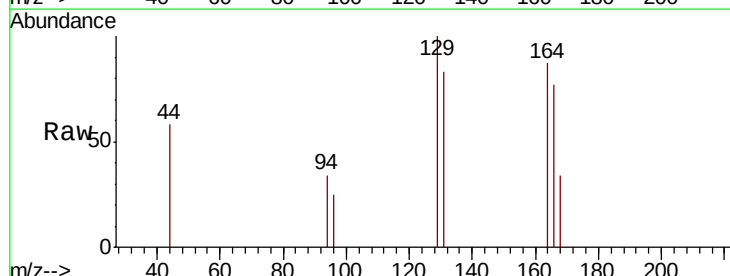
Acq: 11 Jan 2021 16:18

Tgt Ion:129 Resp: 547

Ion Ratio Lower Upper

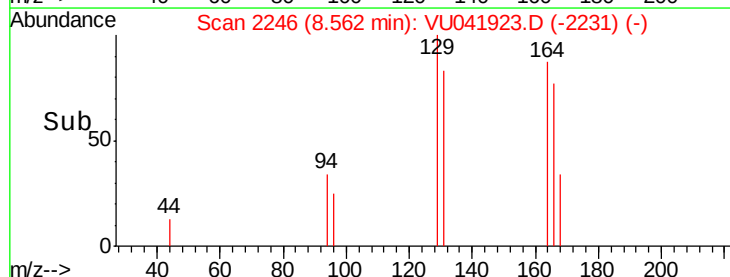
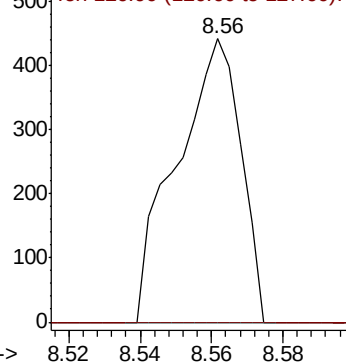
129 100

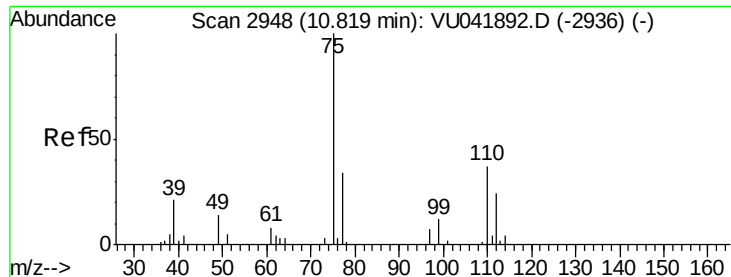
127 0.0 54.9 101.9#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#59

1,2,3-Trichloropropane

Concen: 0.862 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041923.D

Acq: 11 Jan 2021 16:18

Instrument :

MSVOA_U

ClientSampleId :

BFXK5DL

Tot Ion: 75 Resp: 5842

Ion Ratio Lower Upper

75 100

77 33.6 27.0 40.4

