

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
 Data File : VU041931.D
 Acq On : 11 Jan 2021 19:30
 Operator : SY/MD
 Sample : M1027-10DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXQ8DL

Quant Time: Jan 12 03:28:56 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	110199	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	108219	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	47336	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	44197	4.76	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.20%
7) Chloroethane-d5	1.92	69	44344	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.00%
11) 1,1-Dichloroethene-d2	2.58	63	63150	3.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.80%
20) 2-Butanone-d5	4.65	46	144980	56.17	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.34%
24) Chloroform-d	5.08	84	83010	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.72	65	47540	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.60%
32) Benzene-d6	5.74	84	156936	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.70	67	50719	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.90	98	131039	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
43) trans-1,3-Dichloropropene-	8.19	79	19826	4.73	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.60%
46) 2-Hexanone-d5	8.64	63	116859	55.09	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.18%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	45713	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	49345	5.51	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.20%

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	615	0.053 ug/L	91
8) Chloroethane	1.92	64	401	0.052 ug/L #	43
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	640	0.072 ug/L #	20
12) 1,1-Dichloroethene	2.59	96	652	0.076 ug/L #	1
16) Methylene chloride	3.06	84	10351	0.957 ug/L	90
18) trans-1,2-Dichloroethene	3.37	96	6569	0.786 ug/L	93
22) cis-1,2-Dichloroethene	4.68	96	14041	1.574 ug/L	98
27) 1,2-Dichloroethane	5.74	62	823	0.079 ug/L #	73
34) Trichloroethene	6.55	95	99270	10.843 ug/L	98
35) Methylcyclohexane	6.70	83	11817	0.878 ug/L #	18
37) 1,2-Dichloropropane	6.70	63	5198	0.598 ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1151	0.090 ug/L #	63
44) trans-1,3-Dichloropropene	8.18	75	738	0.065 ug/L #	47
47) Tetrachloroethene	8.56	164	5100	0.801 ug/L	93
48) 2-Hexanone	8.64	43	13495	3.315 ug/L #	68
49) Dibromochloromethane	8.56	129	4743	0.584 ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5443	0.857 ug/L	99

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

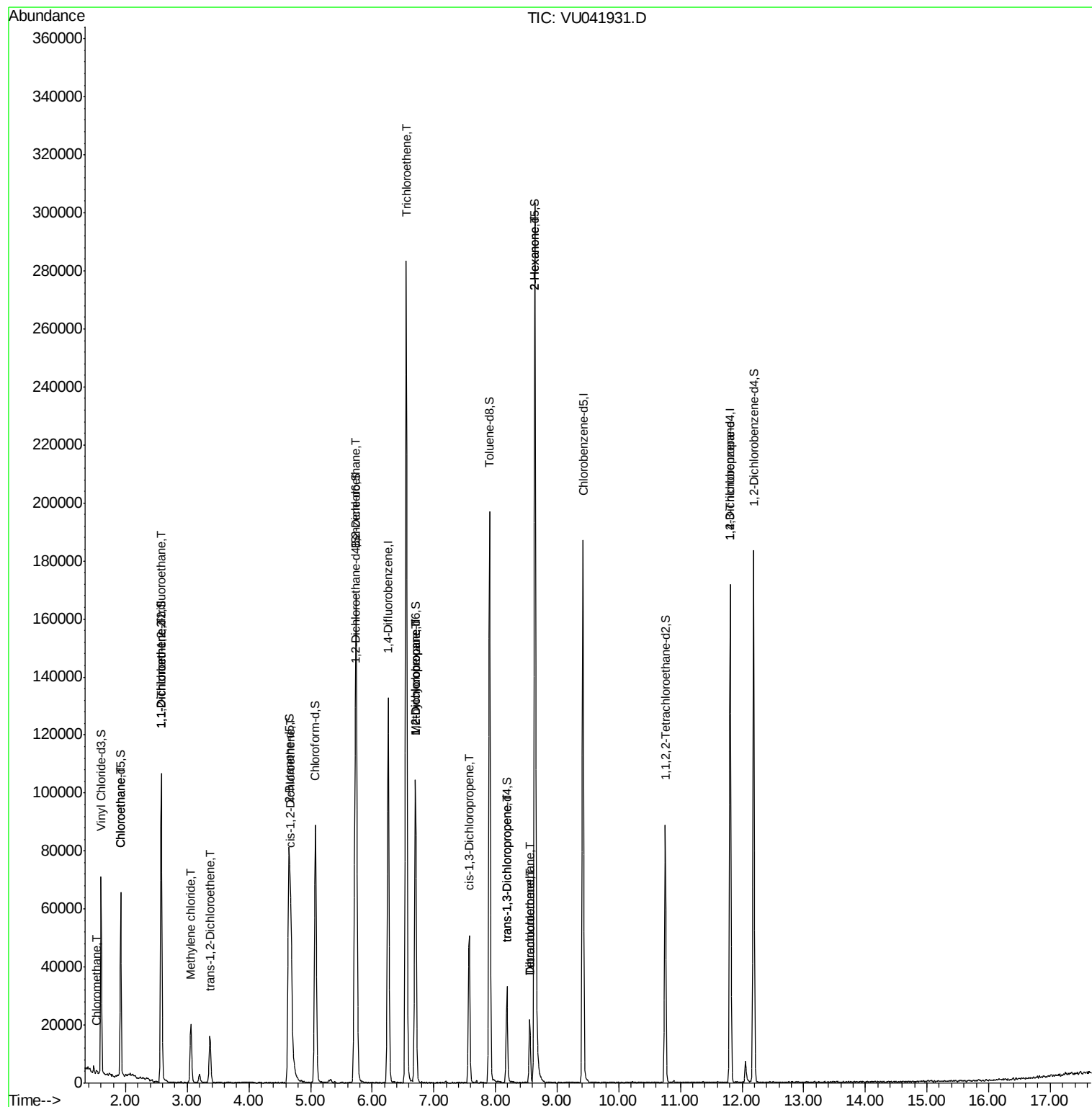
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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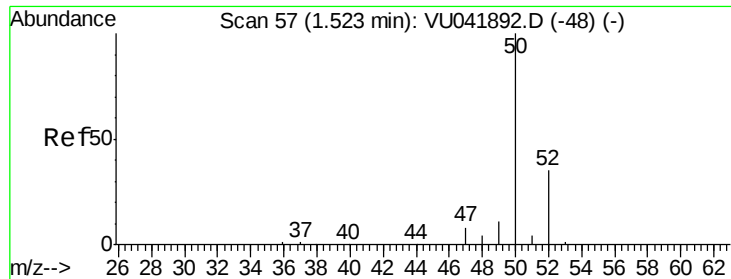
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.053 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041931.D

Acq: 11 Jan 2021 19:30

Instrument :

MSVOA_U

ClientSampleId :

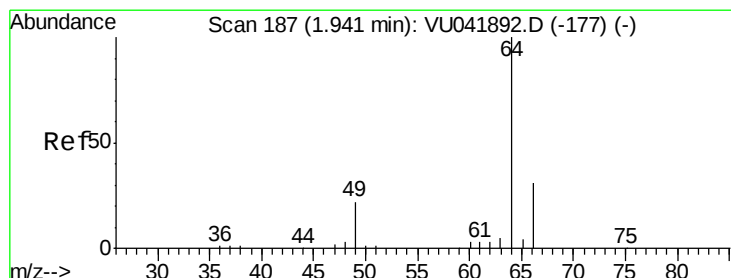
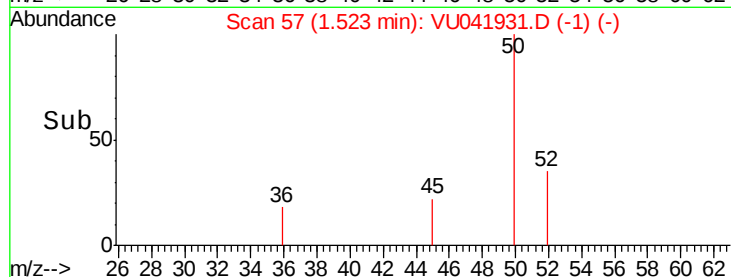
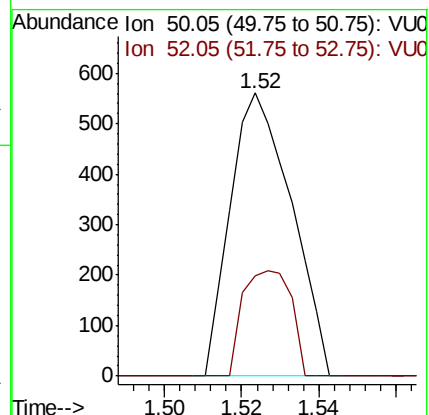
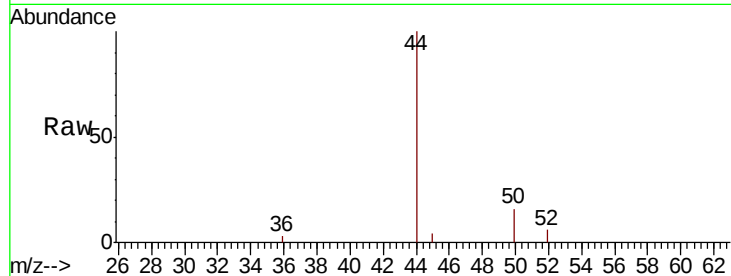
BFXQ8DL

Tot Ion: 50 Resp: 615

Ion Ratio Lower Upper

50 100

52 35.3 21.4 39.8



#8

Chloroethane

Concen: 0.052 ug/L

RT: 1.92 min Scan# 180

Delta R.T. -0.02 min

Lab File: VU041931.D

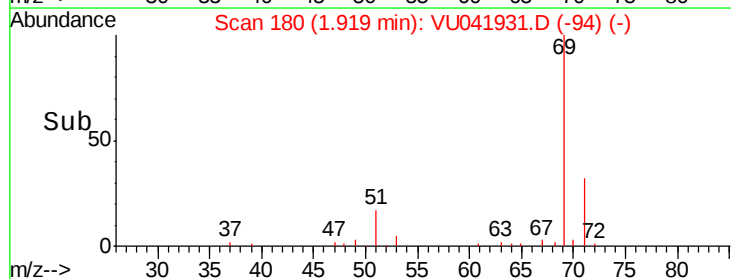
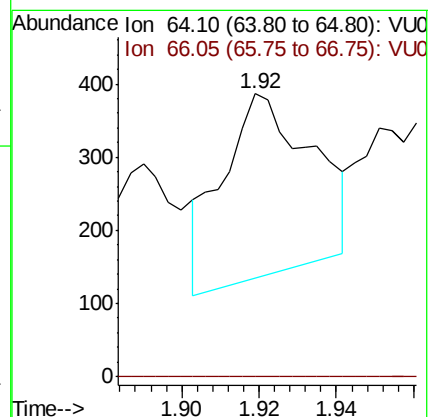
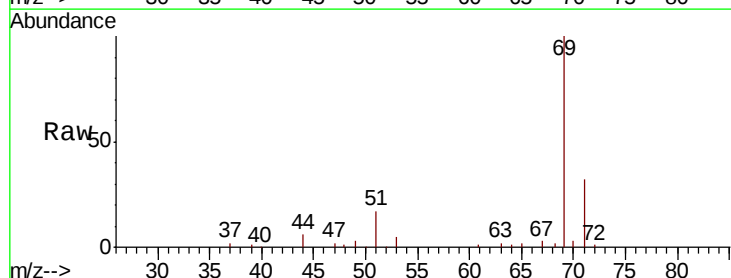
Acq: 11 Jan 2021 19:30

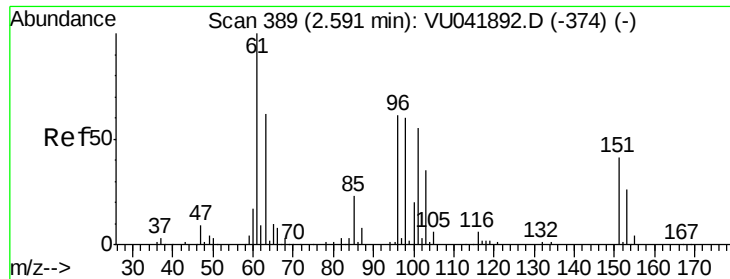
Tgt Ion: 64 Resp: 401

Ion Ratio Lower Upper

64 100

66 0.0 22.1 41.1#





#10

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

Concen: 0.072 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU041931.D

Acq: 11 Jan 2021 19:30

Instrument :

MSVOA_U

ClientSampleId :

BFXQ8DL

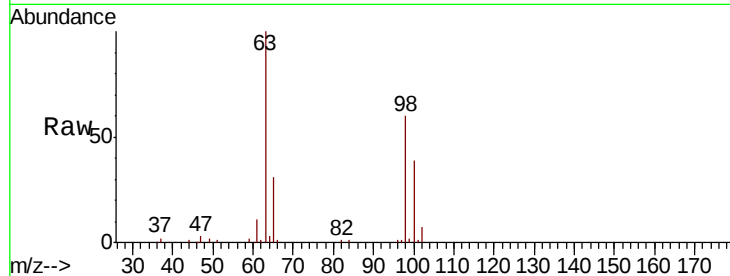
Tot Ion:101 Resp: 640

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

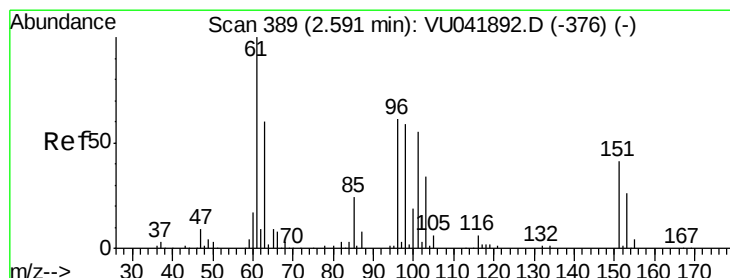
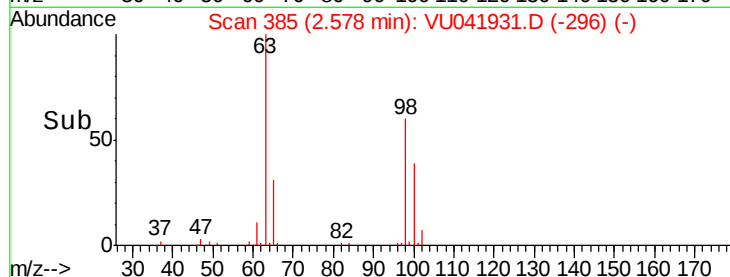
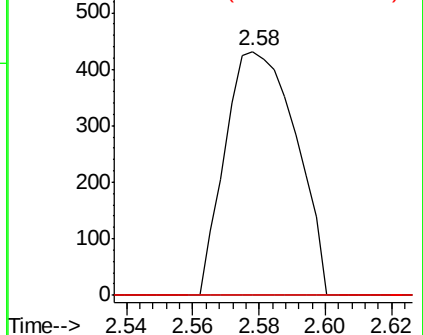
151 0.0 58.2 87.2#



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: 0.076 ug/L

RT: 2.59 min Scan# 388

Delta R.T. 0.00 min

Lab File: VU041931.D

Acq: 11 Jan 2021 19:30

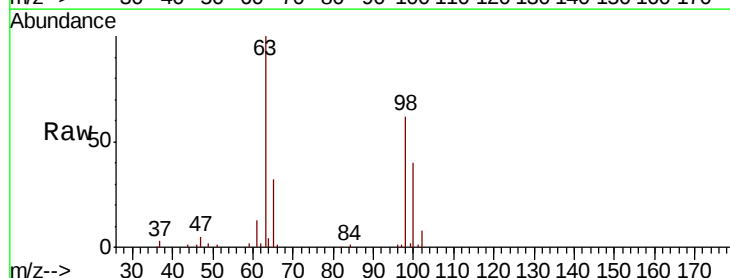
Tgt Ion: 96 Resp: 652

Ion Ratio Lower Upper

96 100

61 919.0 123.5 229.4#

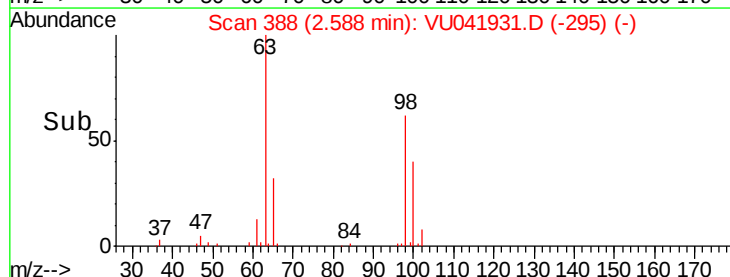
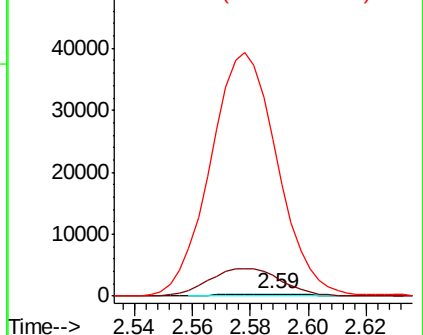
63 6988.4 93.5 173.7#

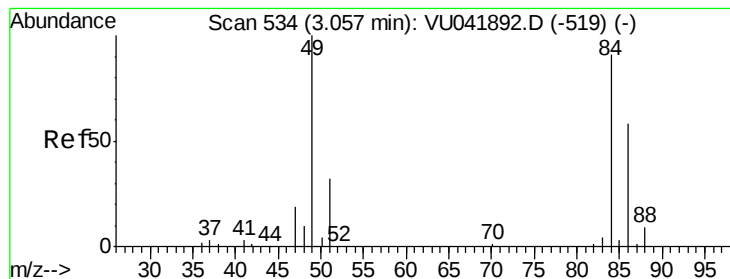


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#16

Methylene chloride

Concen: 0.957 ug/L

RT: 3.06 min Scan# 534

Delta R.T. -0.00 min

Lab File: VU041931.D

Acq: 11 Jan 2021 19:30

Instrument :

MSVOA_U

ClientSampleId :

BFXQ8DL

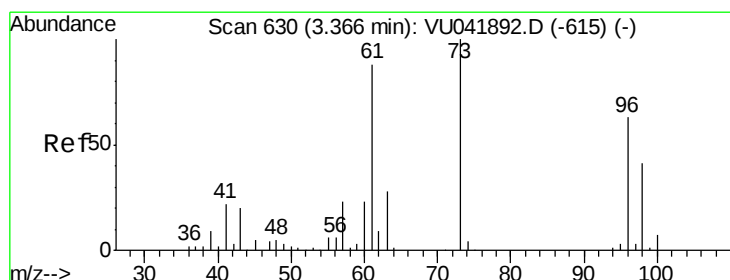
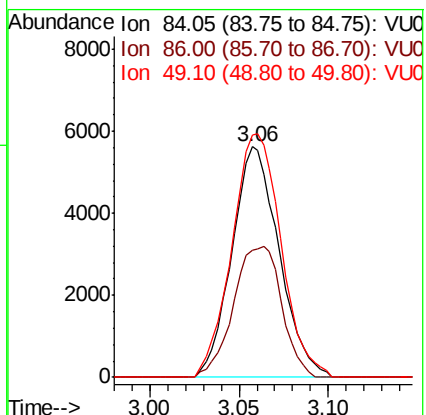
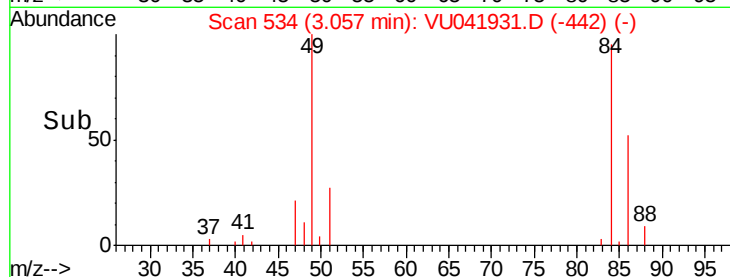
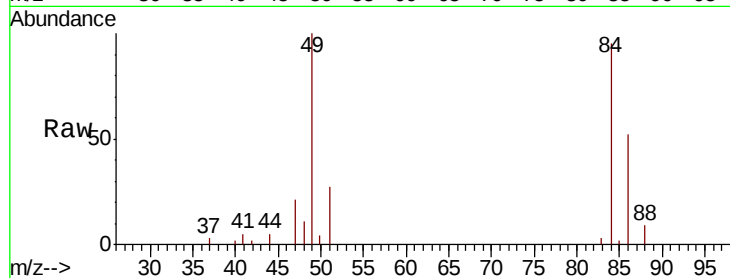
Tot Ion: 84 Resp: 10351

Ion Ratio Lower Upper

84 100

86 55.0 43.5 80.7

49 105.1 81.8 151.8



#18

trans-1,2-Dichloroethene

Concen: 0.786 ug/L

RT: 3.37 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU041931.D

Acq: 11 Jan 2021 19:30

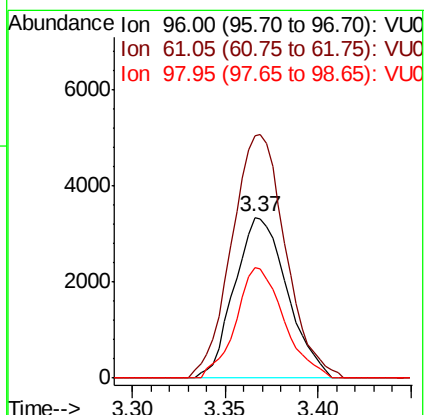
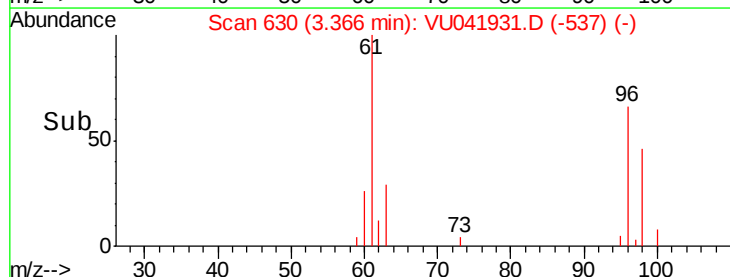
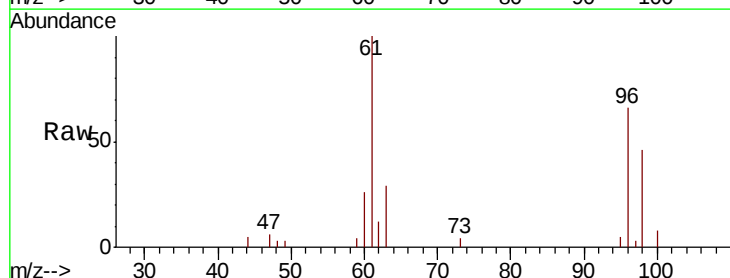
Tgt Ion: 96 Resp: 6569

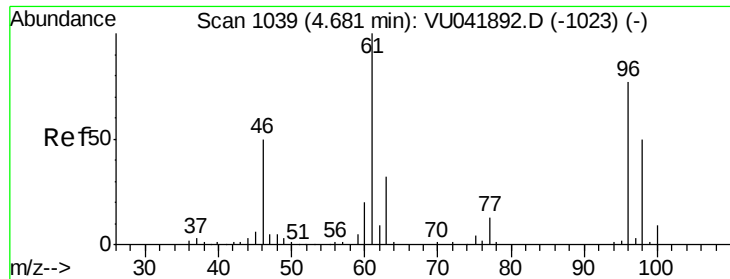
Ion Ratio Lower Upper

96 100

61 151.5 100.7 187.1

98 69.1 43.0 80.0

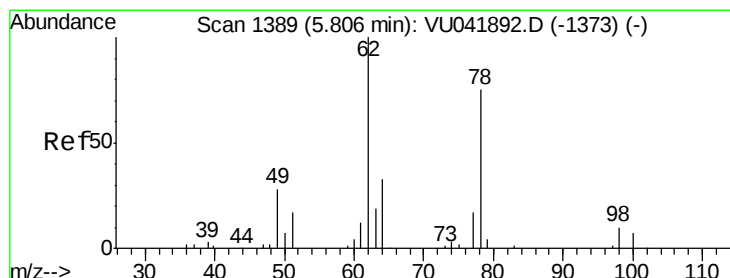
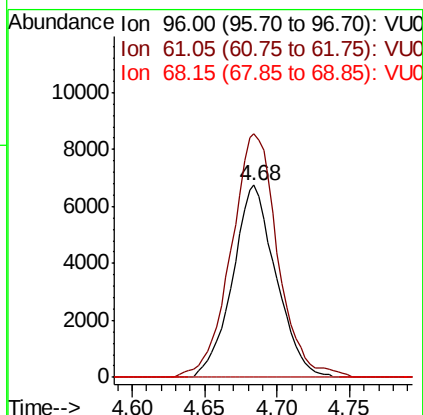
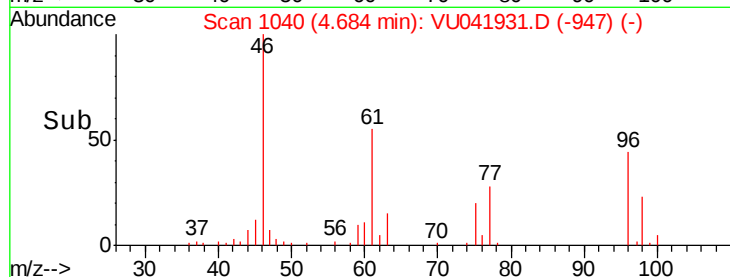
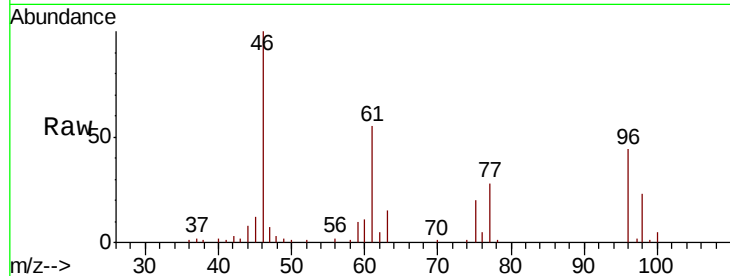




#22
 cis-1,2-Dichloroethene
 Concen: 1.574 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VU041931.D
 Acq: 11 Jan 2021 19:30

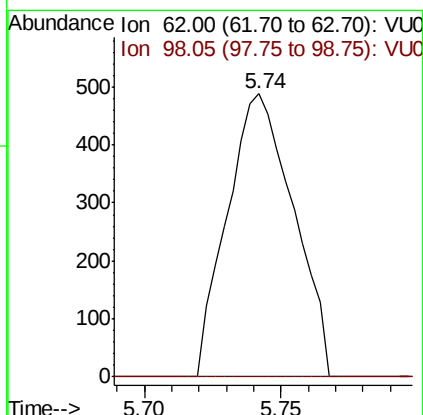
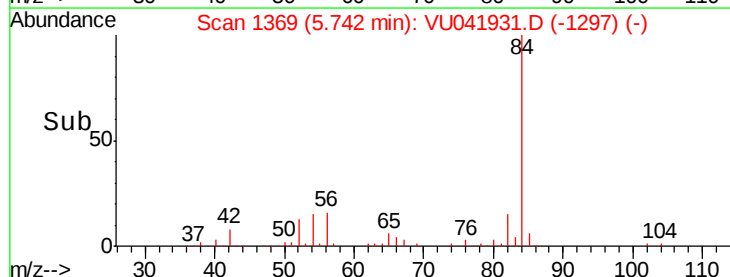
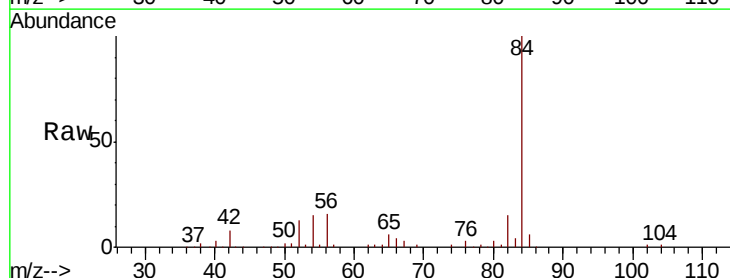
Instrument :
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 BFXQ8DL

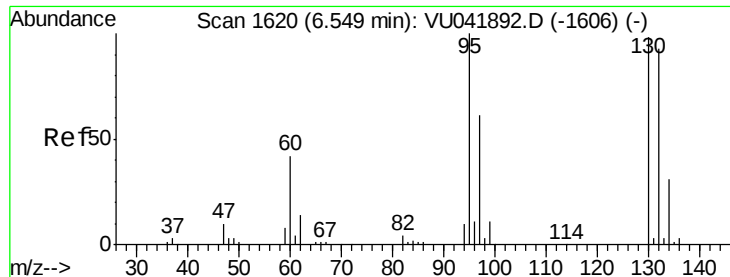
Tot Ion: 96 Resp: 14041
 Ion Ratio Lower Upper
 96 100
 61 126.6 90.3 167.7
 68 0.0 0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 0.079 ug/L
 RT: 5.74 min Scan# 1369
 Delta R.T. -0.07 min
 Lab File: VU041931.D
 Acq: 11 Jan 2021 19:30

Tgt Ion: 62 Resp: 823
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.8 11.8#





#34

Trichloroethene

Concen: 10.843 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041931.D

Acq: 11 Jan 2021 19:30

Instrument :

MSVOA_U

ClientSampleId :

BFXQ8DL

Tot Ion: 95 Resp: 99270

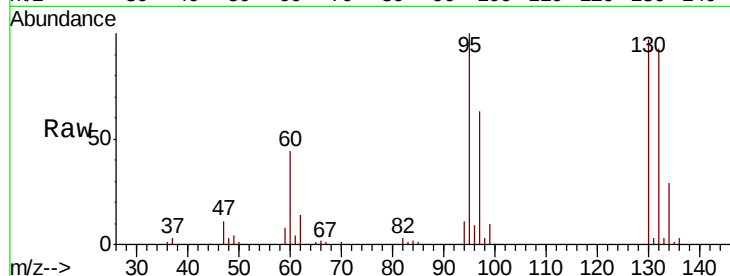
Ion Ratio Lower Upper

95 100

97 63.4 45.2 84.0

132 93.2 68.7 127.5

130 97.1 68.0 126.4

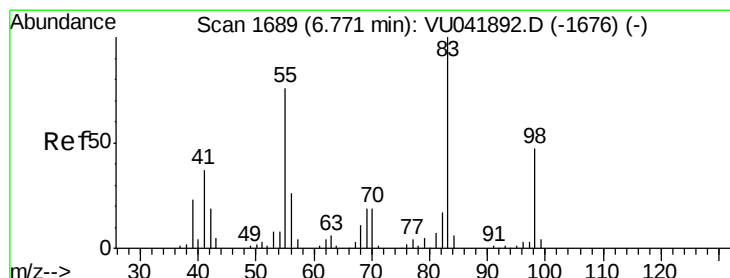
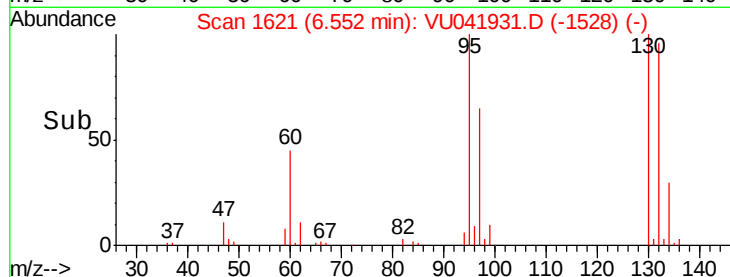
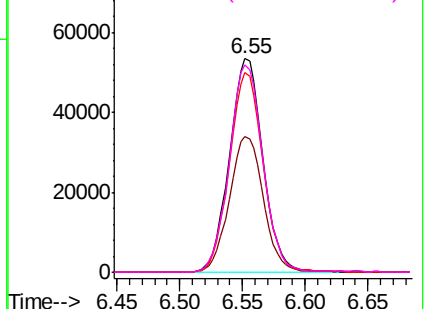


Abundance Ion 95.00 (94.70 to 95.70): VU0

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

Methylcyclohexane

Concen: 0.878 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU041931.D

Acq: 11 Jan 2021 19:30

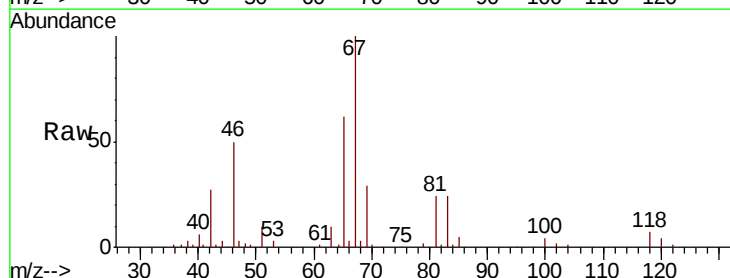
Tgt Ion: 83 Resp: 11817

Ion Ratio Lower Upper

83 100

55 0.0 64.3 96.5#

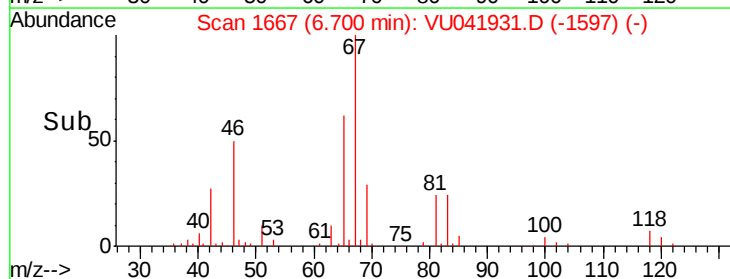
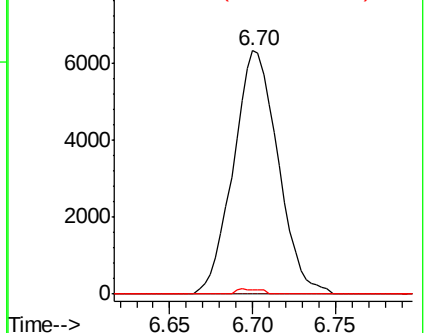
98 1.2 36.6 54.8#

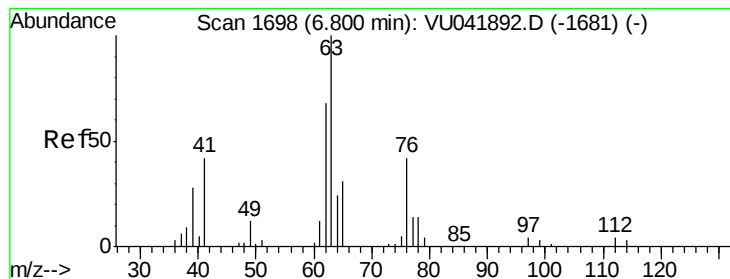


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.598 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.10 min

Lab File: VU041931.D

Acq: 11 Jan 2021 19:30

Instrument :

MSVOA_U

ClientSampleId :

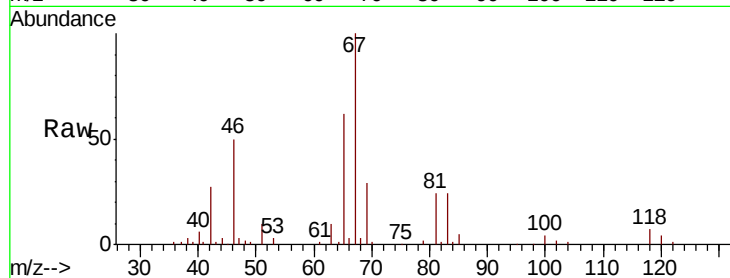
BFXQ8DL

Tot Ion: 63 Resp: 5198

Ion Ratio Lower Upper

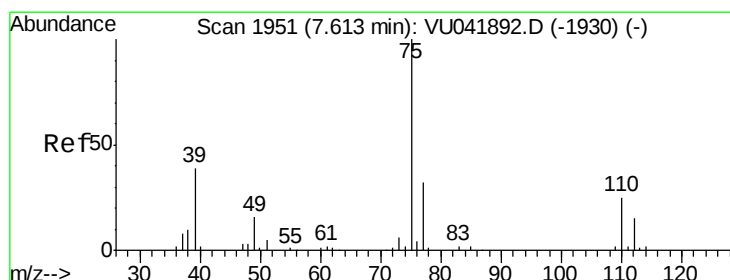
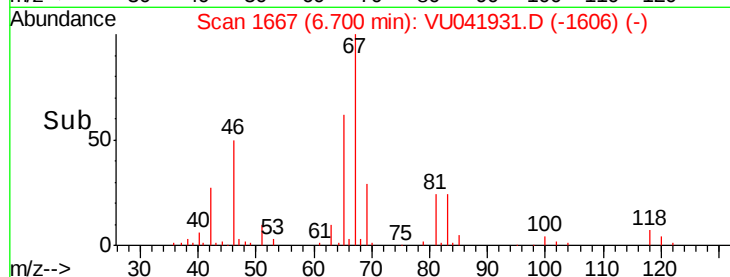
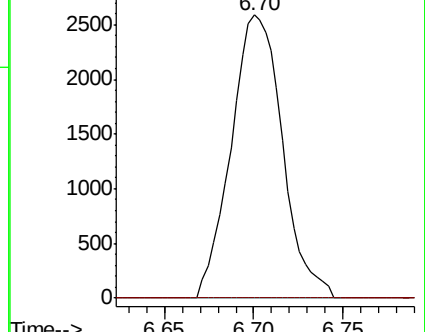
63 100

112 0.0 3.3 4.9#



Abundance Ion 63.10 (62.80 to 63.80): VU041892.D (-1681) (-)

Ion 112.10 (111.80 to 112.80): VU041892.D (-1681) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.090 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU041931.D

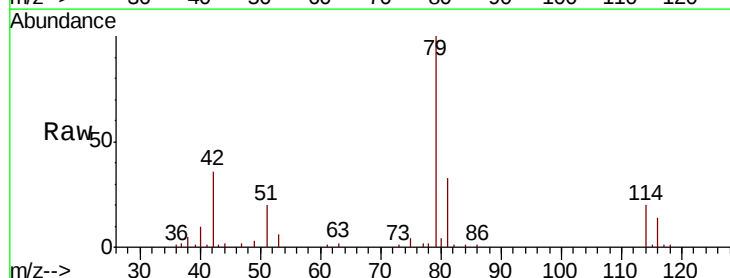
Acq: 11 Jan 2021 19:30

Tgt Ion: 75 Resp: 1151

Ion Ratio Lower Upper

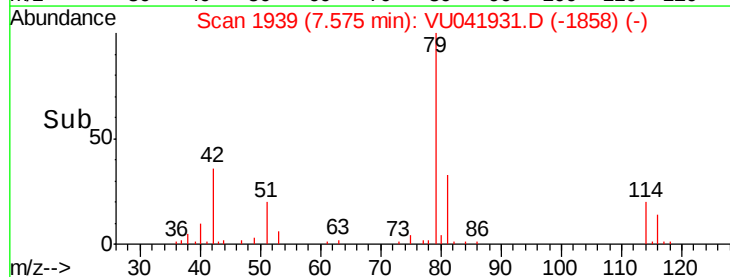
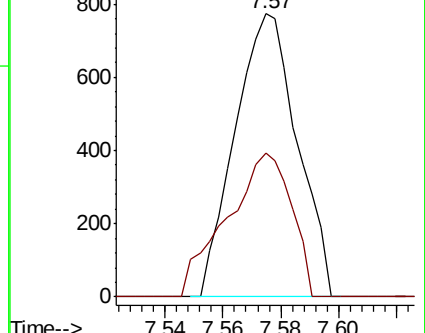
75 100

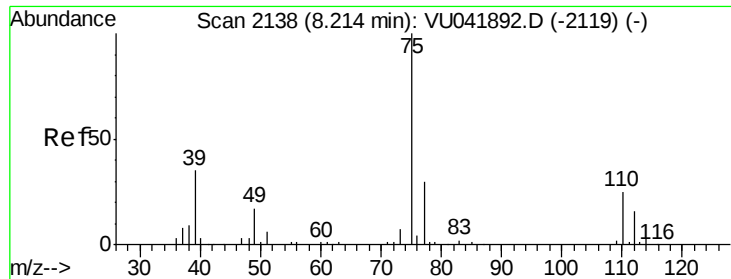
77 51.0 21.5 39.9#



Abundance Ion 75.05 (74.75 to 75.75): VU041892.D (-1930) (-)

Ion 77.05 (76.75 to 77.75): VU041892.D (-1930) (-)

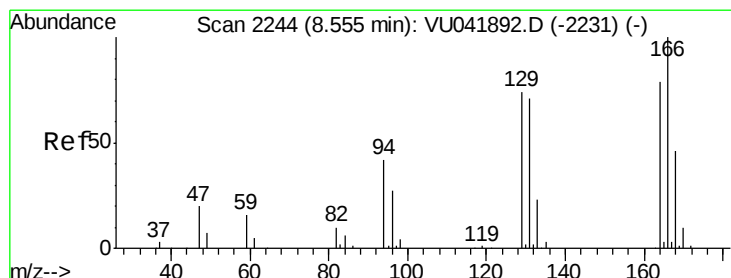
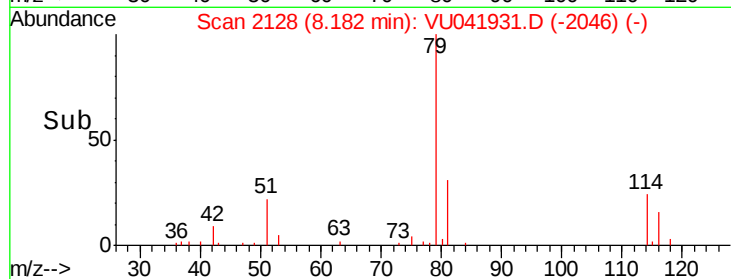
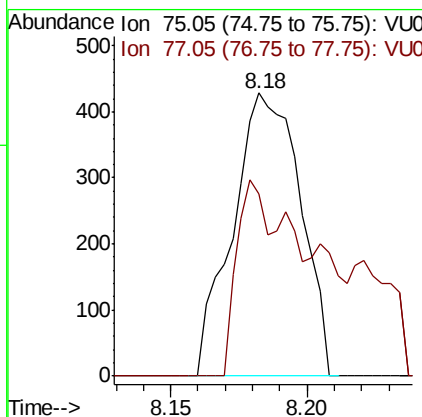
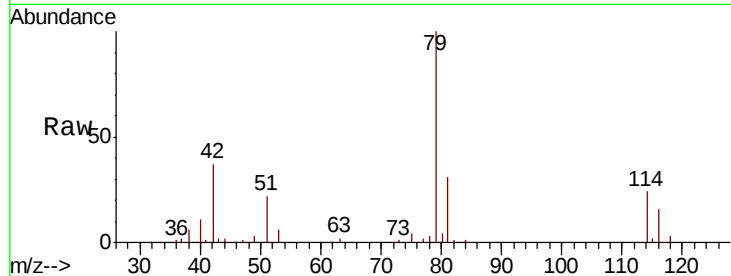




#44
trans-1,3-Dichloropropene
Concen: 0.065 ug/L
RT: 8.18 min Scan# 2128
Delta R.T. -0.04 min
Lab File: VU041931.D
Acq: 11 Jan 2021 19:30

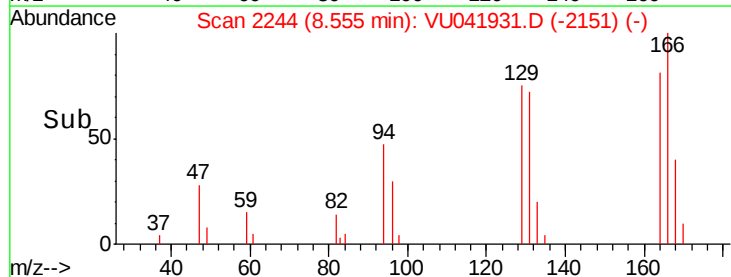
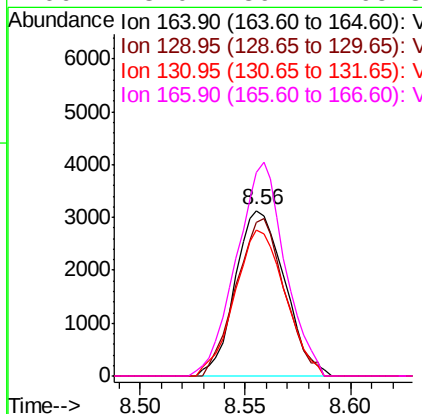
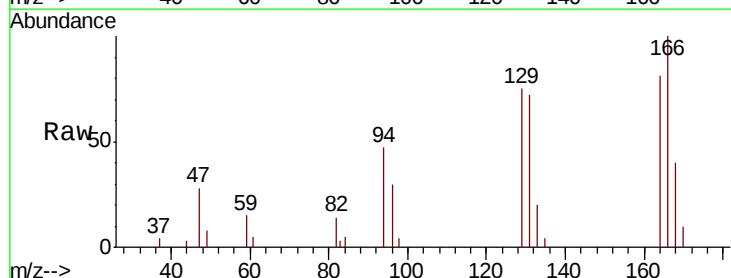
Instrument :
MSVOA_U
ClientSampleId :
BFXQ8DL

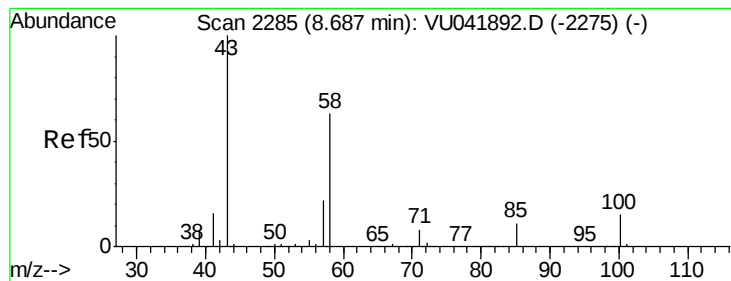
Tot Ion: 75 Resp: 738
Ion Ratio Lower Upper
75 100
77 64.3 23.7 44.1#



#47
Tetrachloroethene
Concen: 0.801 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VU041931.D
Acq: 11 Jan 2021 19:30

Tgt Ion:164 Resp: 5100
Ion Ratio Lower Upper
164 100
129 92.4 69.2 128.6
131 88.2 69.7 129.5
166 123.0 89.2 165.8





#48

2-Hexanone

Concen: 3.315 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU041931.D

Acq: 11 Jan 2021 19:30

Instrument :

MSVOA_U

ClientSampleID :

BFXQ8DL

Tot Ion: 43 Resp: 13495

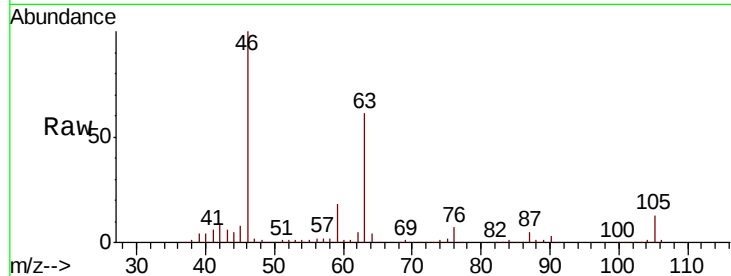
Ion Ratio Lower Upper

43 100

58 31.9 47.6 71.4#

57 31.5 17.1 25.7#

100 0.7 10.4 15.6#

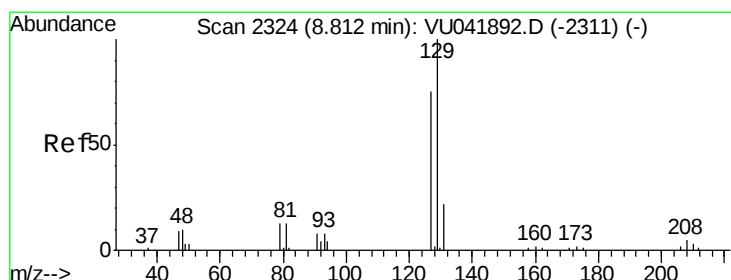
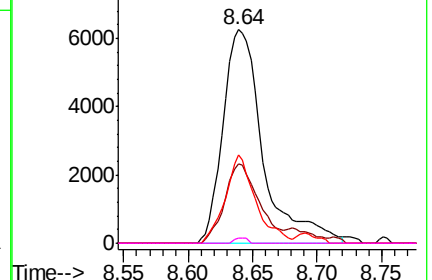
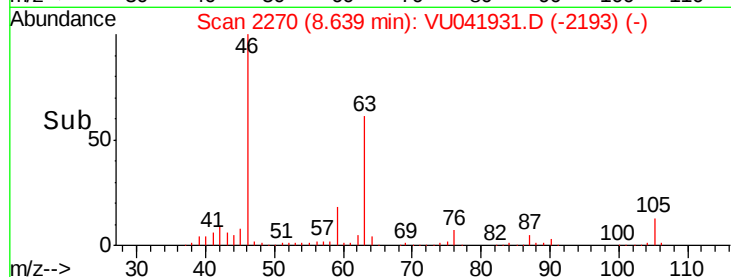


Abundance Ion 43.05 (42.75 to 43.75): VU041931.D (-2193) (-)

Ion 58.05 (57.75 to 58.75): VU041931.D (-2193) (-)

Ion 57.20 (56.90 to 57.90): VU041931.D (-2193) (-)

Ion 100.15 (99.85 to 100.85): VU041931.D (-2193) (-)



#49

Dibromochloromethane

Concen: 0.584 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU041931.D

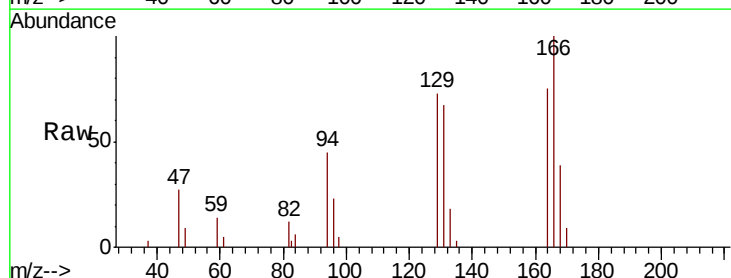
Acq: 11 Jan 2021 19:30

Tgt Ion: 129 Resp: 4743

Ion Ratio Lower Upper

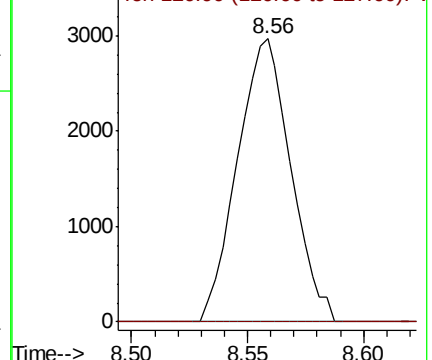
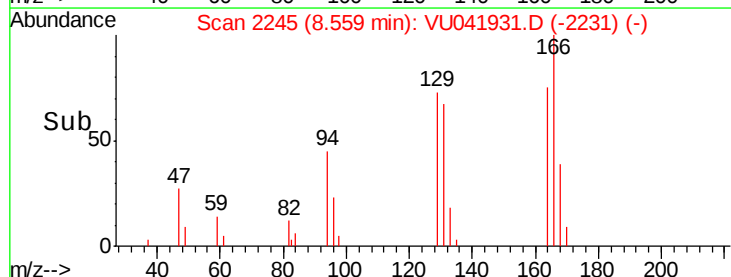
129 100

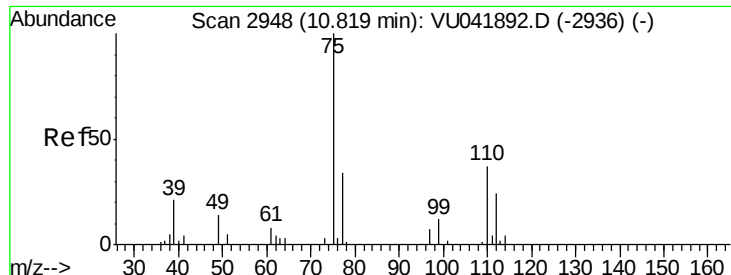
127 0.0 54.9 101.9#



Abundance Ion 128.95 (128.65 to 129.65): VU041931.D (-2231) (-)

Ion 126.90 (126.60 to 127.60): VU041931.D (-2231) (-)





#59

1,2,3-Trichloropropane

Concen: 0.857 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041931.D

Acq: 11 Jan 2021 19:30

Instrument :

MSVOA_U

ClientSampleId :

BFXQ8DL

Tot Ion: 75 Resp: 5443

Ion Ratio Lower Upper

75 100

77 34.0 27.0 40.4

