

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
 Data File : VU041925.D
 Acq On : 11 Jan 2021 17:06
 Operator : SY/MD
 Sample : M1026-10DL 25X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXL3DL

Quant Time: Jan 12 03:27:42 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	115383	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	113135	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	49586	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	45664	4.69	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.80%
7) Chloroethane-d5	1.92	69	43789	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.20%
11) 1,1-Dichloroethene-d2	2.58	63	70945	3.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.00%
20) 2-Butanone-d5	4.66	46	151641	56.11	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.22%
24) Chloroform-d	5.08	84	89482	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
26) 1,2-Dichloroethane-d4	5.72	65	47271	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	5.74	84	159370	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
36) 1,2-Dichloropropane-d6	6.70	67	52447	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.80%
41) Toluene-d8	7.90	98	133925	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
43) trans-1,3-Dichloropropene-	8.19	79	20612	4.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.00%
46) 2-Hexanone-d5	8.64	63	118037	53.23	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.46%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	47394	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	49440	5.27	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	549	0.045	ug/L #	74
9) Trichlorofluoromethane	2.15	101	150534	8.851	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	3413	0.369	ug/L #	81
12) 1,1-Dichloroethene	2.58	96	860	0.095	ug/L #	1
16) Methylene chloride	3.06	84	4701	0.415	ug/L	93
17) Methyl tert-butyl Ether	3.39	73	2222	0.103	ug/L #	61
19) 1,1-Dichloroethane	3.89	63	2106	0.128	ug/L #	90
25) Chloroform	5.10	83	1502	0.088	ug/L	91
27) 1,2-Dichloroethane	5.74	62	941	0.086	ug/L #	73
34) Trichloroethene	6.55	95	9820	1.026	ug/L	92
35) Methylcyclohexane	6.70	83	12304	0.875	ug/L #	17
37) 1,2-Dichloropropane	6.70	63	5362	0.590	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1095	0.082	ug/L #	68
44) trans-1,3-Dichloropropene	8.19	75	661	0.056	ug/L #	73
59) 1,2,3-Trichloropropane	11.81	75	5219	0.786	ug/L	99

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QLast Update : Tue Jan 12 03:17:19 2021
Response via : Initial Calibration

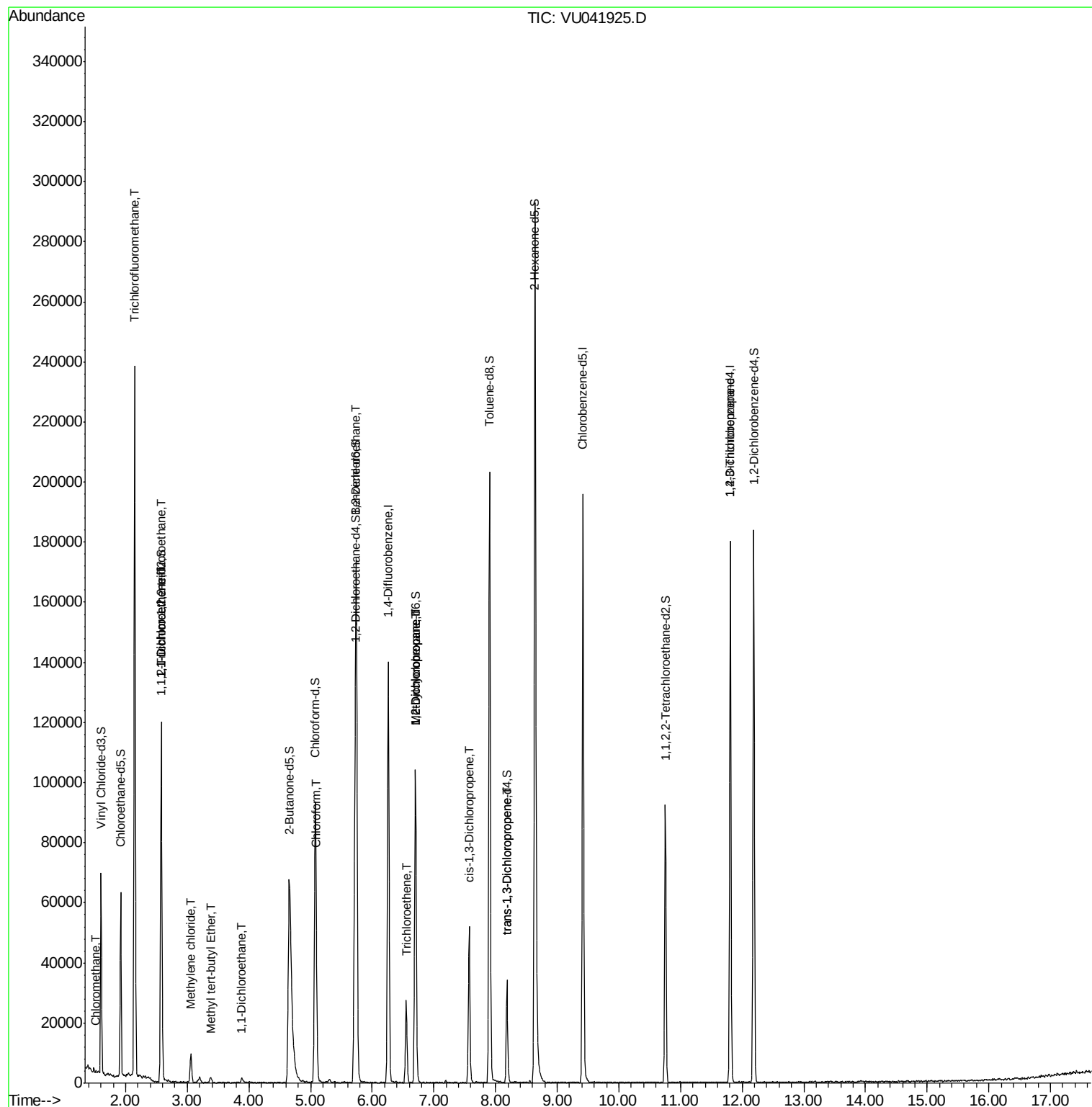
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

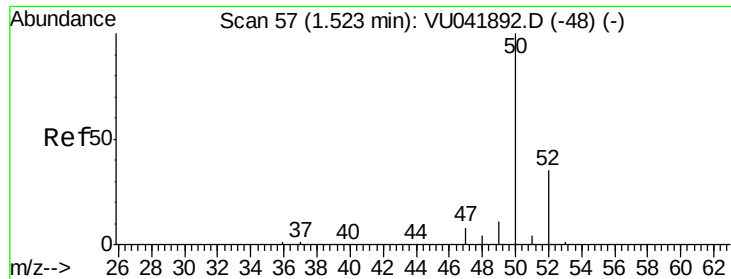
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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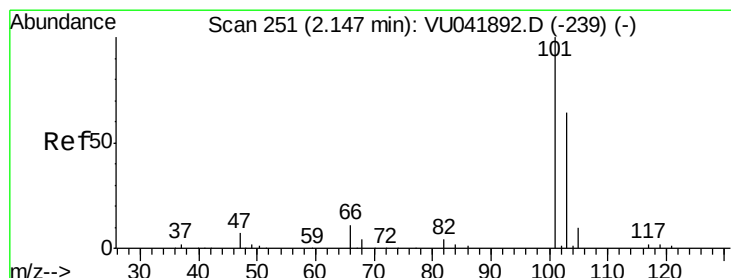
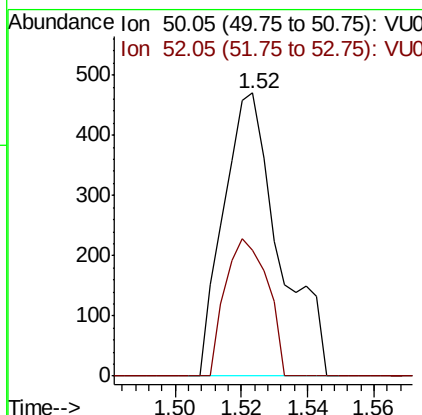
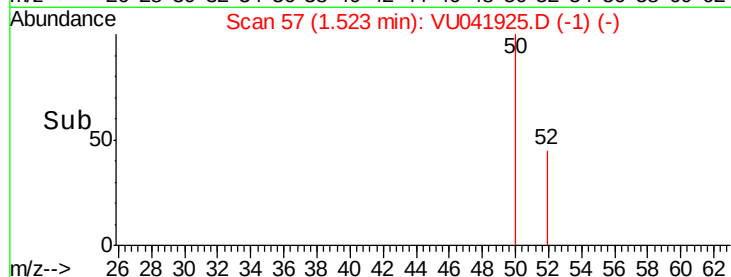
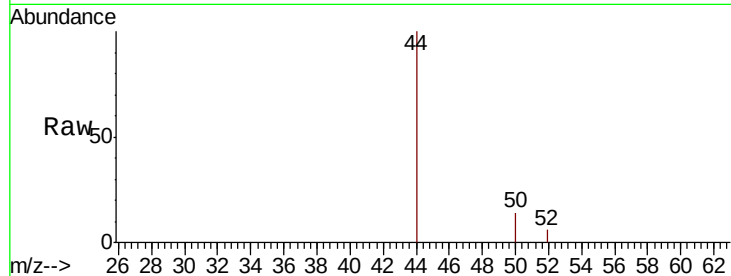




#3
 Chloromethane
 Concen: 0.045 ug/L
 RT: 1.52 min Scan# 57
 Delta R.T. 0.00 min
 Lab File: VU041925.D
 Acq: 11 Jan 2021 17:06

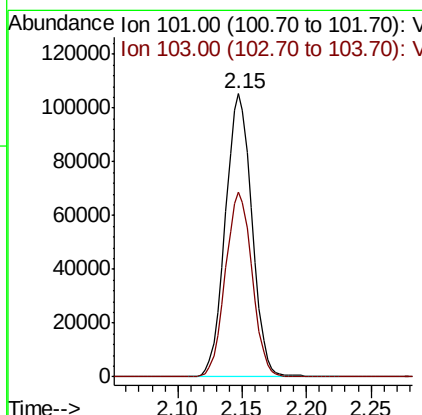
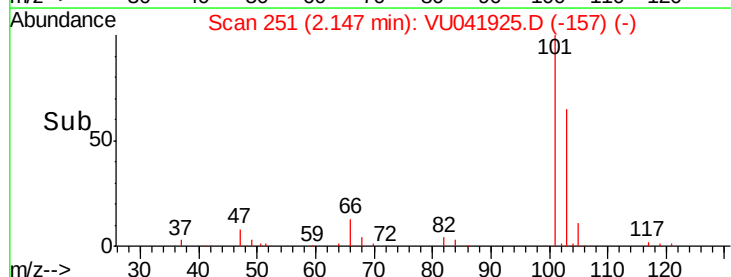
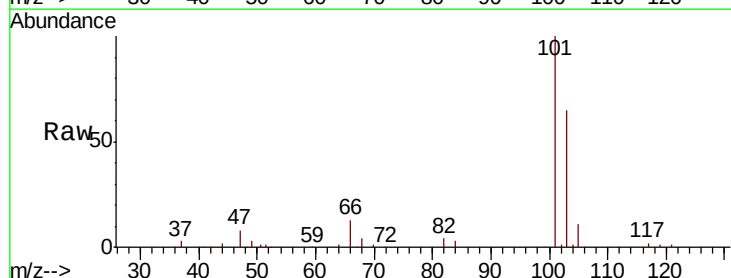
Instrument :
 MSVOA_U
 ClientSampleId :
 BFXL3DL

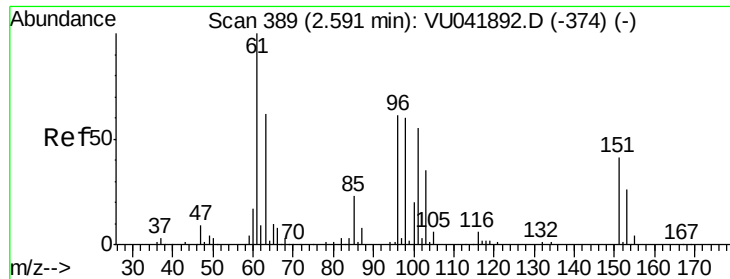
Tot Ion: 50 Resp: 549
 Ion Ratio Lower Upper
 50 100
 52 44.7 21.4 39.8#



#9
 Trichlorofluoromethane
 Concen: 8.851 ug/L
 RT: 2.15 min Scan# 251
 Delta R.T. 0.00 min
 Lab File: VU041925.D
 Acq: 11 Jan 2021 17:06

Tgt Ion:101 Resp: 150534
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.3 76.9





#10

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

Concen: 0.369 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041925.D

Acq: 11 Jan 2021 17:06

Instrument :

MSVOA_U

ClientSampleId :

BFXL3DL

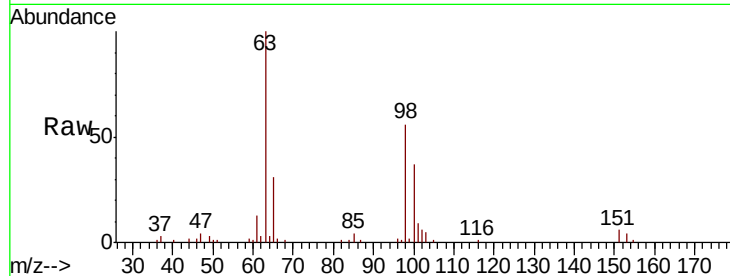
Tot Ion:101 Resp: 3413

Ion Ratio Lower Upper

101 100

85 33.2 35.1 52.7#

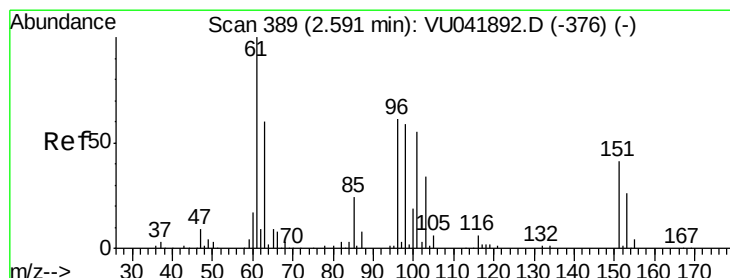
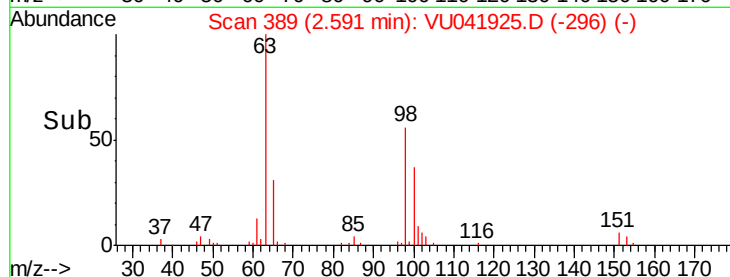
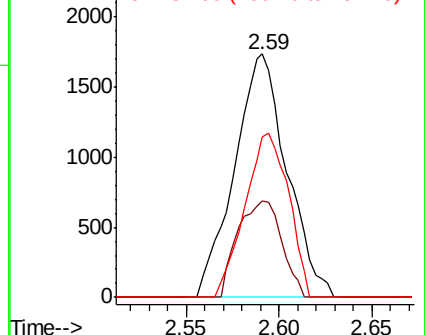
151 55.8 58.2 87.2#



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: 0.095 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041925.D

Acq: 11 Jan 2021 17:06

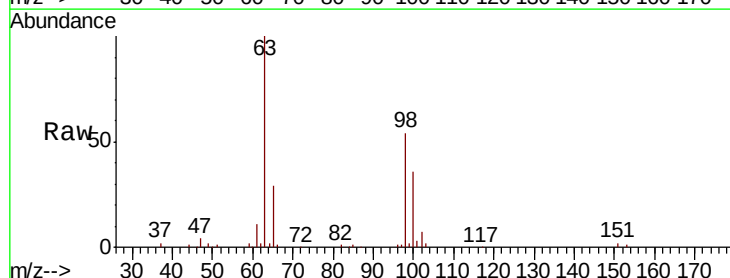
Tgt Ion: 96 Resp: 860

Ion Ratio Lower Upper

96 100

61 1093.7 123.5 229.4#

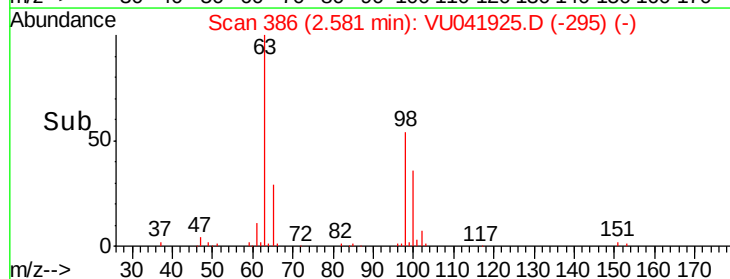
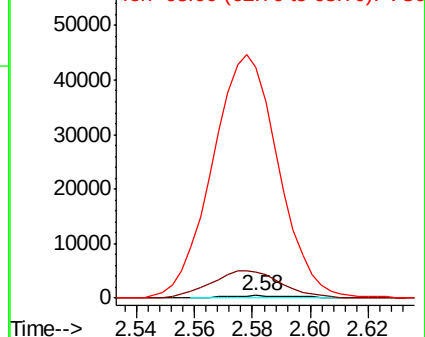
63 9581.9 93.5 173.7#

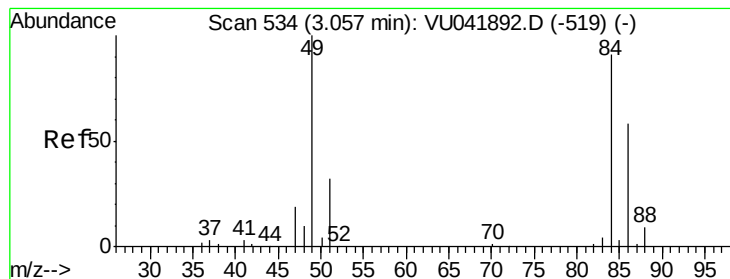


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#16

Methylene chloride

Concen: 0.415 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041925.D

Acq: 11 Jan 2021 17:06

Instrument :

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ClientSampleId :

BFXL3DL

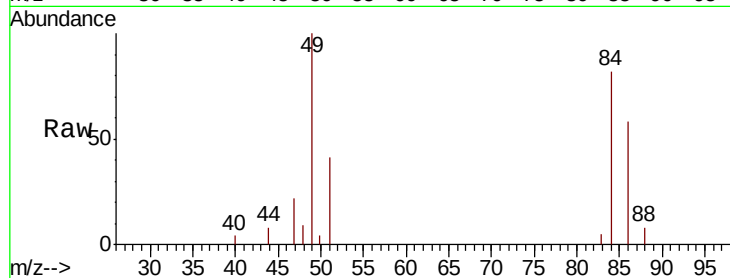
Tot Ion: 84 Resp: 4701

Ion Ratio Lower Upper

84 100

86 71.5 43.5 80.7

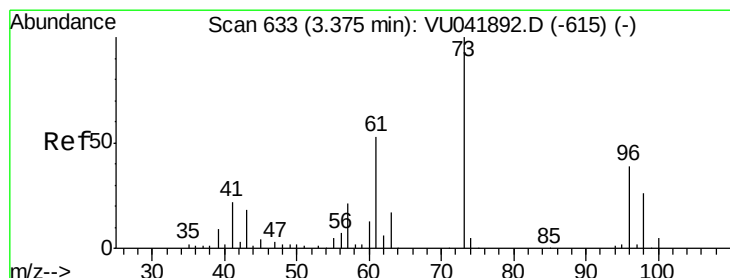
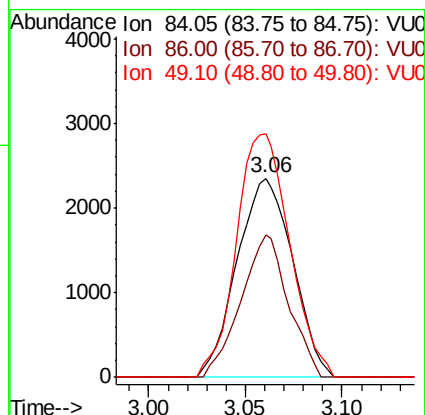
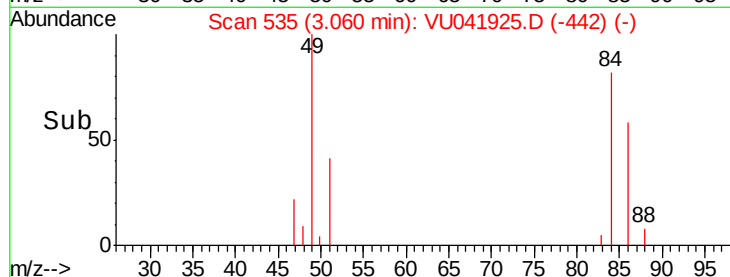
49 122.2 81.8 151.8



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0



#17

Methyl tert-butyl Ether

Concen: 0.103 ug/L

RT: 3.39 min Scan# 636

Delta R.T. 0.01 min

Lab File: VU041925.D

Acq: 11 Jan 2021 17:06

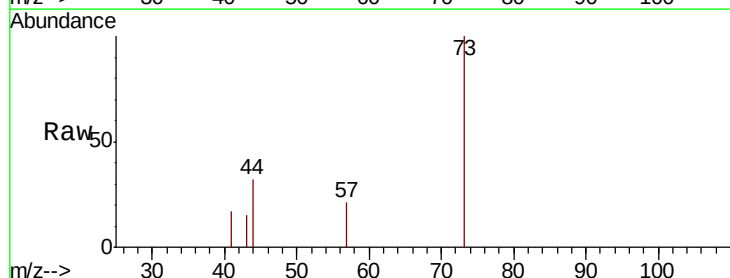
Tgt Ion: 73 Resp: 2222

Ion Ratio Lower Upper

73 100

43 0.0 15.8 23.8#

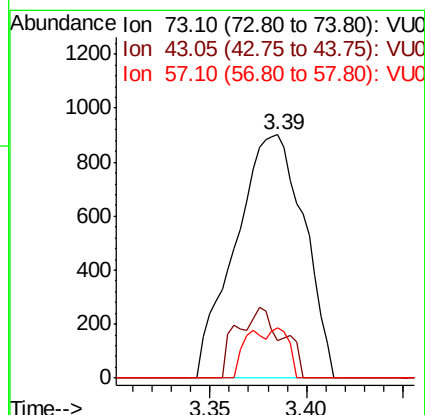
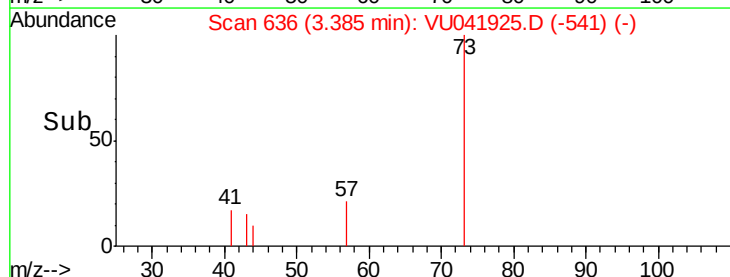
57 5.7 18.3 27.5#

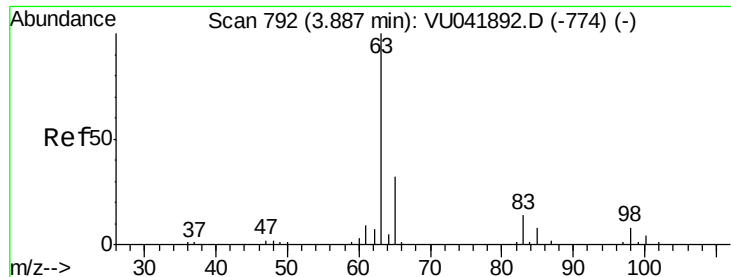


Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0

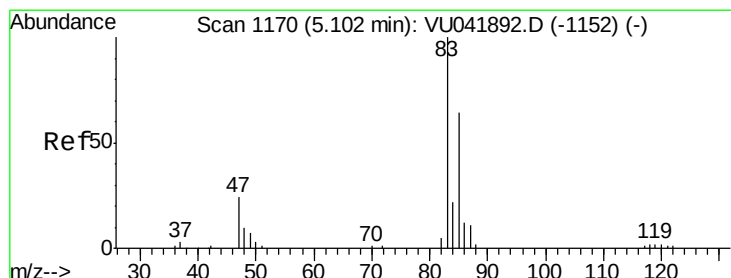
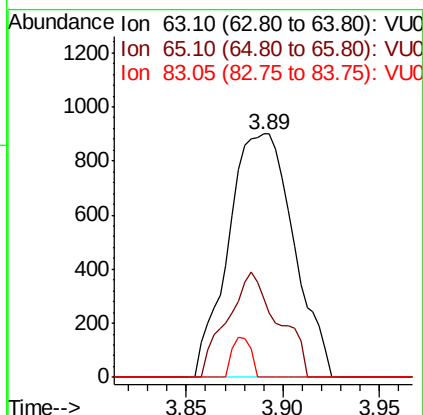
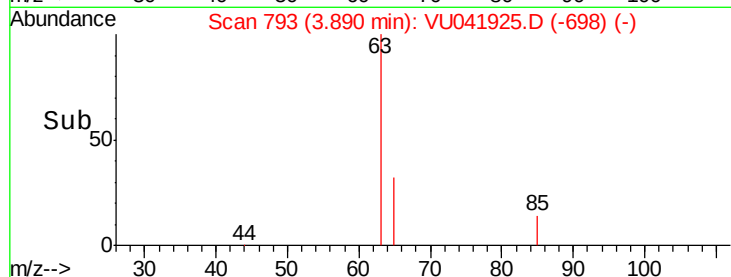
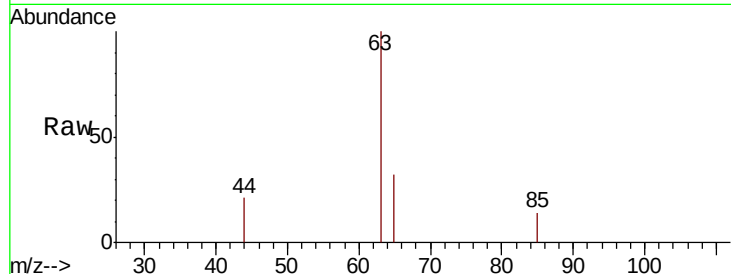




#19
 1,1-Dichloroethane
 Concen: 0.128 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.01 min
 Lab File: VU041925.D
 Acq: 11 Jan 2021 17:06

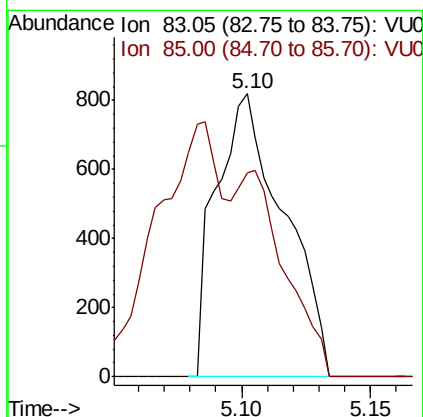
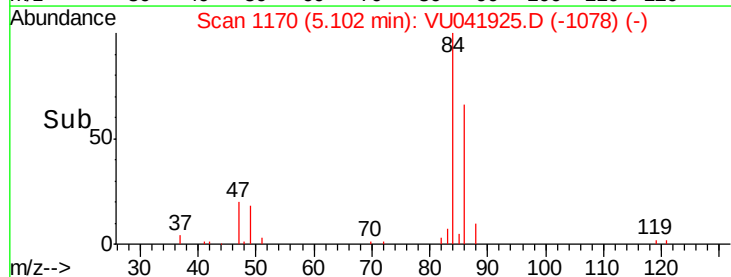
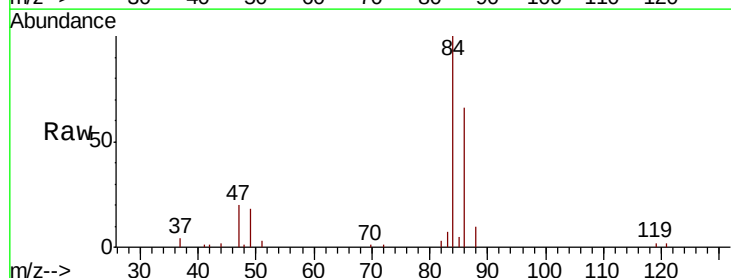
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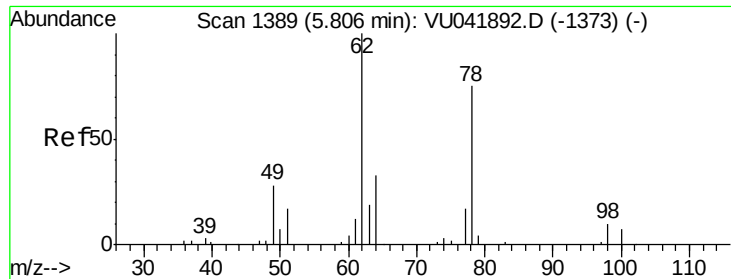
Tot Ion: 63 Resp: 2106
 Ion Ratio Lower Upper
 63 100
 65 32.4 22.3 41.5
 83 0.0 9.0 16.8#



#25
 Chloroform
 Concen: 0.088 ug/L
 RT: 5.10 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: VU041925.D
 Acq: 11 Jan 2021 17:06

Tgt Ion: 83 Resp: 1502
 Ion Ratio Lower Upper
 83 100
 85 71.9 45.1 83.9

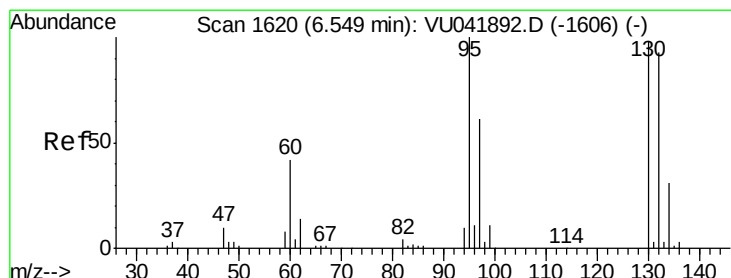
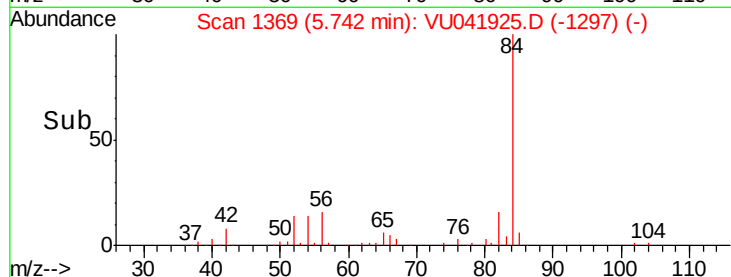
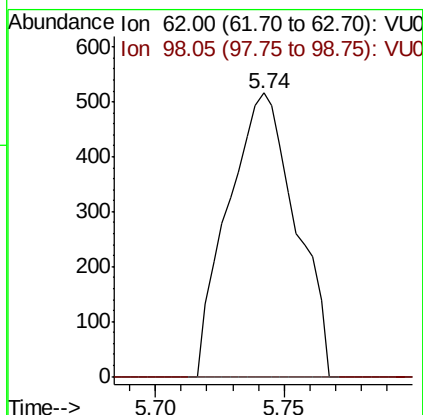
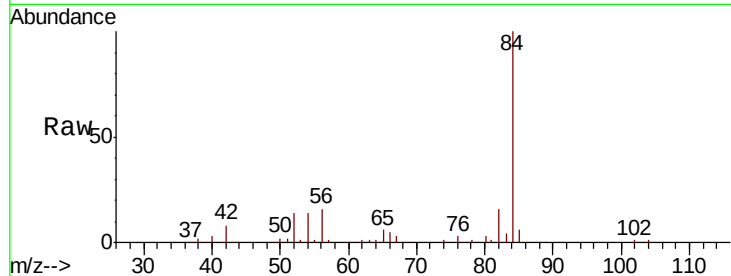




#27
 1,2-Dichloroethane
 Concen: 0.086 ug/L
 RT: 5.74 min Scan# 1369
 Delta R.T. -0.07 min
 Lab File: VU041925.D
 Acq: 11 Jan 2021 17:06

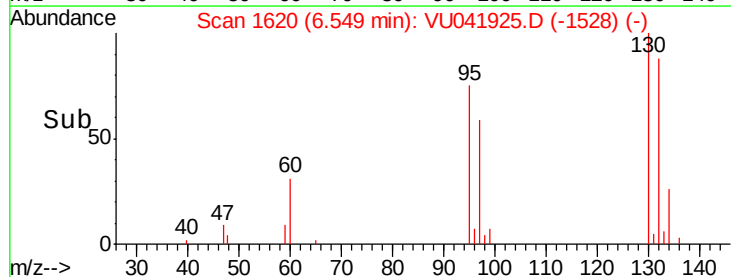
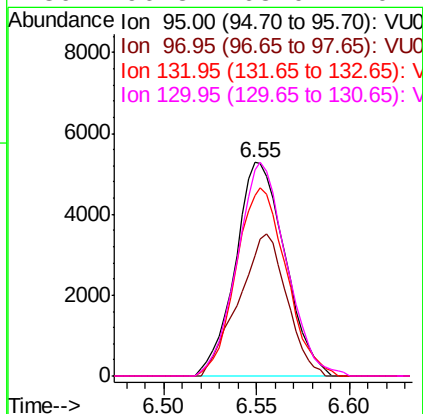
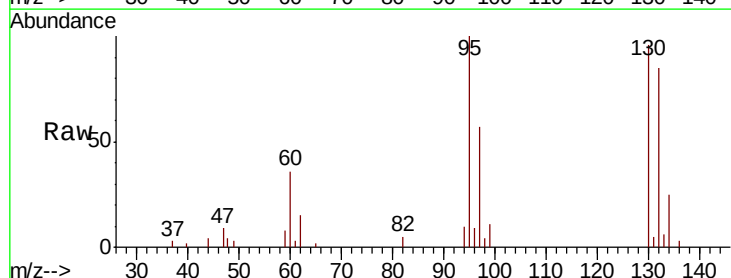
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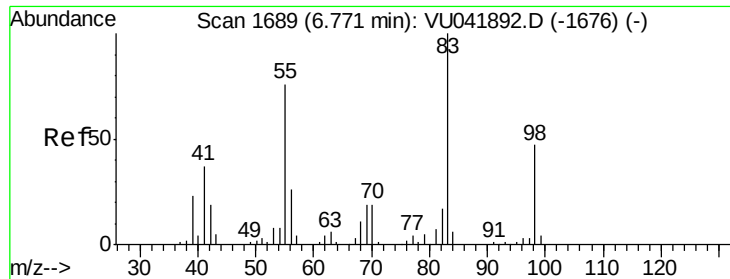
Tot Ion: 62 Resp: 941
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.8 11.8#



#34
 Trichloroethene
 Concen: 1.026 ug/L
 RT: 6.55 min Scan# 1620
 Delta R.T. -0.00 min
 Lab File: VU041925.D
 Acq: 11 Jan 2021 17:06

Tgt Ion: 95 Resp: 9820
 Ion Ratio Lower Upper
 95 100
 97 56.7 45.2 84.0
 132 84.9 68.7 127.5
 130 96.3 68.0 126.4

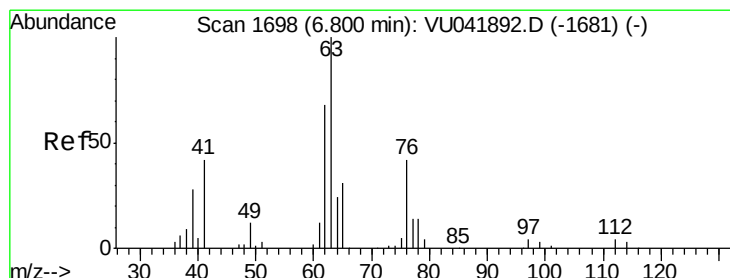
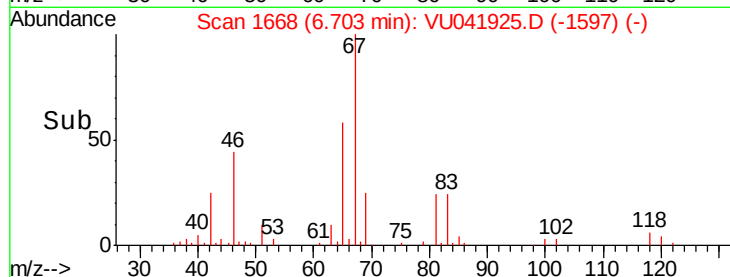
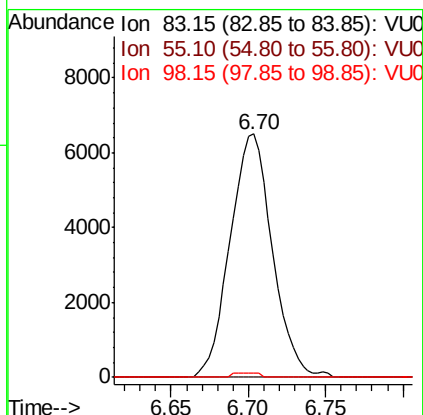
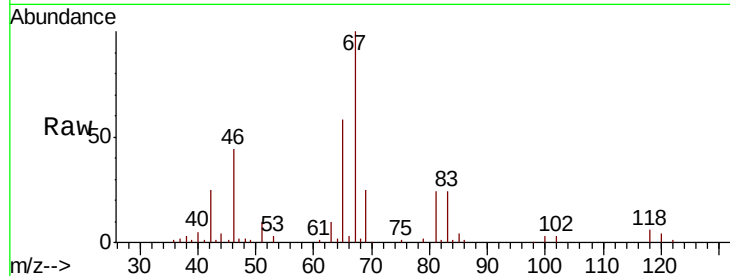




#35
Methylvlcyclohexane
Concen: 0.875 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041925.D
Acq: 11 Jan 2021 17:06

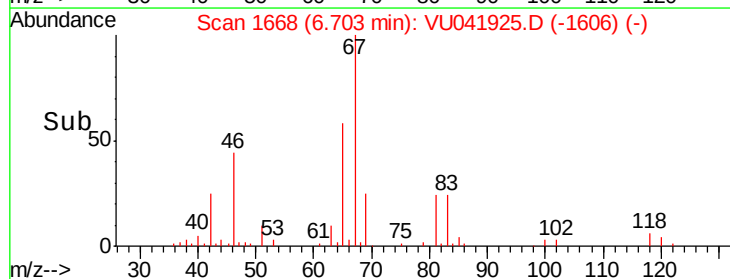
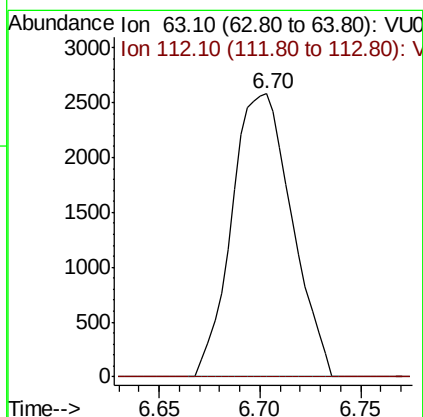
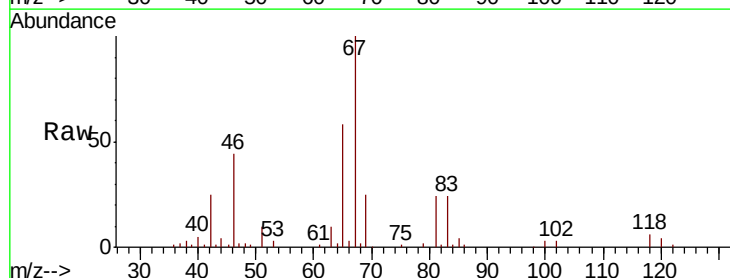
Instrument :
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ClientSampled :
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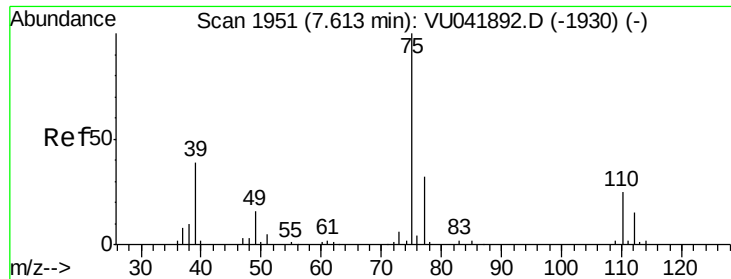
Tot Ion	83.15	Resp	12304
Ion Ratio	Lower	Upper	
83	100		
55	0.0	64.3	96.5#
98	1.0	36.6	54.8#



#37
1,2-Dichloropropane
Concen: 0.590 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041925.D
Acq: 11 Jan 2021 17:06

Tgt Ion	63	Resp	5362
Ion Ratio	Lower	Upper	
63	100		
112	0.0	3.3	4.9#

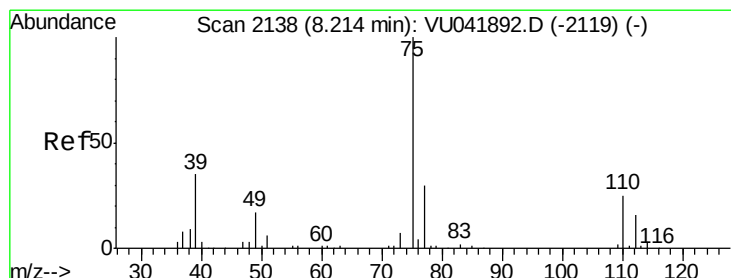
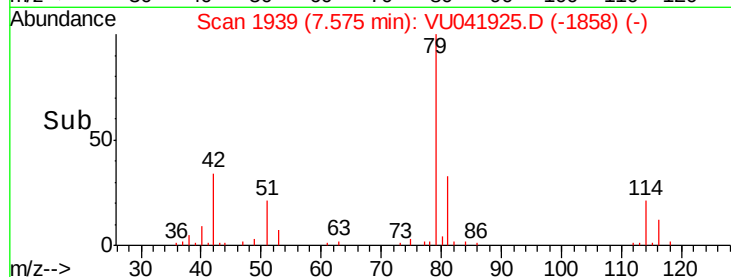
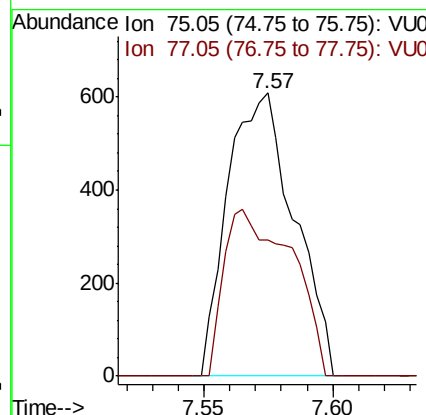
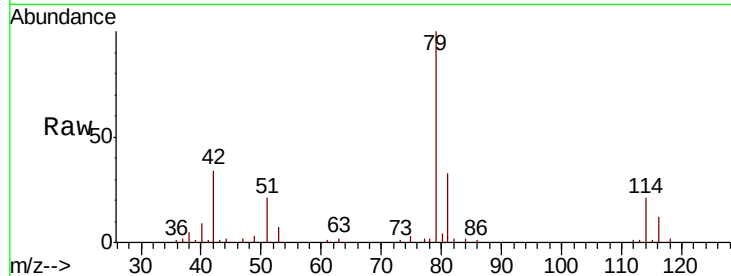




#39
 cis-1,3-Dichloropropene
 Concen: 0.082 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041925.D
 Acq: 11 Jan 2021 17:06

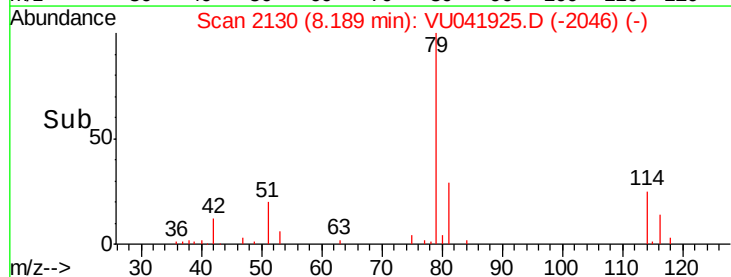
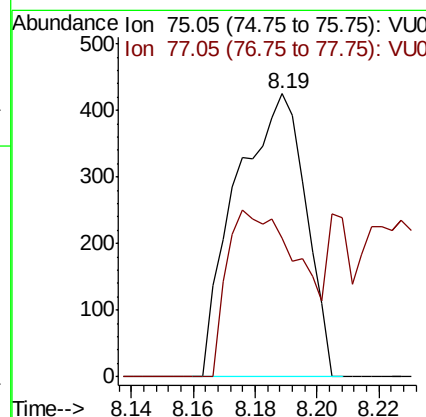
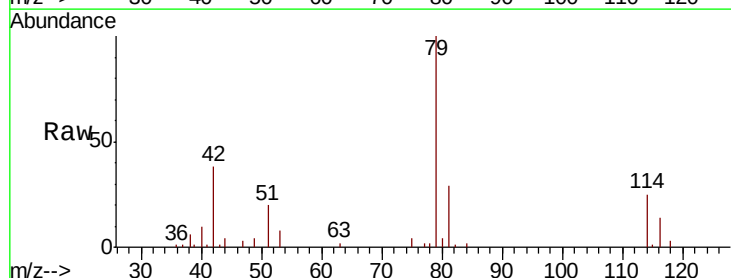
Instrument :
 MSVOA_U
 ClientSampleId :
 BFXL3DL

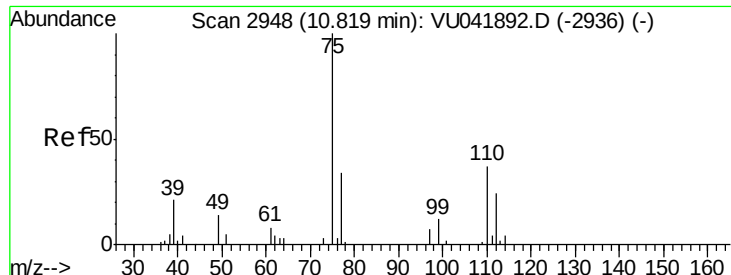
Tot Ion: 75 Resp: 1095
 Ion Ratio Lower Upper
 75 100
 77 48.0 21.5 39.9#



#44
 trans-1,3-Dichloropropene
 Concen: 0.056 ug/L
 RT: 8.19 min Scan# 2130
 Delta R.T. -0.03 min
 Lab File: VU041925.D
 Acq: 11 Jan 2021 17:06

Tgt Ion: 75 Resp: 661
 Ion Ratio Lower Upper
 75 100
 77 49.2 23.7 44.1#





#59

1,2,3-Trichloropropane

Concen: 0.786 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041925.D

Acq: 11 Jan 2021 17:06

Instrument :

MSVOA_U

ClientSampleId :

BFXL3DL

Tot Ion: 75 Resp: 5219

Ion Ratio Lower Upper

75 100

77 34.2 27.0 40.4

