

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010921\
 Data File : VU041898.D
 Acq On : 08 Jan 2021 12:26
 Operator : SY/MD
 Sample : M1027-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 09 01:33:51 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jan 09 01:31:59 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	134414	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	132017	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	56918	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	35849	3.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.20%
7) Chloroethane-d5	1.92	69	38712	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.20%
11) 1,1-Dichloroethene-d2	2.58	63	56808	2.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.80%#
20) 2-Butanone-d5	4.66	46	154855	51.30	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.60%
24) Chloroform-d	5.08	84	94377	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
26) 1,2-Dichloroethane-d4	5.72	65	52986	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
32) Benzene-d6	5.74	84	173904	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
36) 1,2-Dichloropropane-d6	6.70	67	56478	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	7.90	98	143567	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.20%
43) trans-1,3-Dichloropropene-	8.19	79	21547	4.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.80%
46) 2-Hexanone-d5	8.64	63	131048	44.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.96%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	52993	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	57837	5.71	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	2266	0.199	ug/L 92
3) Chloromethane	1.52	50	1249	0.113	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	675	0.073	ug/L # 22
13) Acetone	2.66	43	1967	1.024	ug/L 66
16) Methylene chloride	3.06	84	1456	0.134	ug/L 80
17) Methyl tert-butyl Ether	3.38	73	69294	2.848	ug/L 97
29) 1,1,1-Trichloroethane	5.33	97	2383	0.157	ug/L 95
33) Benzene	5.73	78	1135	0.027	ug/L 100
34) Trichloroethene	6.55	95	4375	0.412	ug/L 96
35) Methylcyclohexane	6.70	83	13557	0.790	ug/L # 19
37) 1,2-Dichloropropane	6.70	63	6130	0.568	ug/L # 88
39) cis-1,3-Dichloropropene	7.57	75	1369	0.086	ug/L 96
44) trans-1,3-Dichloropropene	8.19	75	851	0.059	ug/L # 70
47) Tetrachloroethene	8.55	164	2815	0.379	ug/L 94
48) 2-Hexanone	8.64	43	15335	2.742	ug/L # 71
49) Dibromochloromethane	8.56	129	2968	0.324	ug/L # 10
59) 1,2,3-Trichloropropane	11.81	75	6236	0.769	ug/L 99

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Quant Time: Jan 09 01:33:51 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jan 09 01:31:59 2021
Response via : Initial Calibration

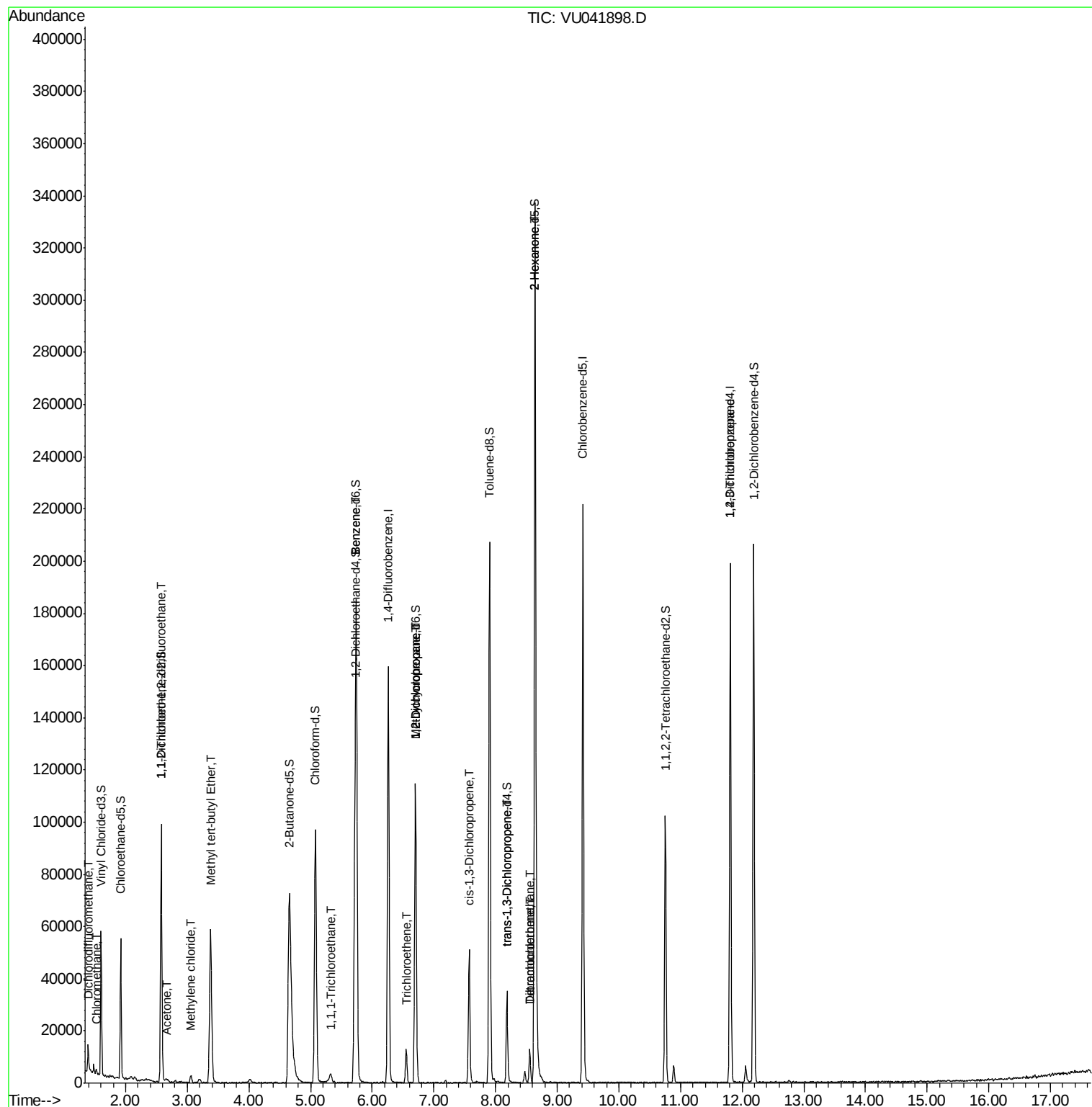
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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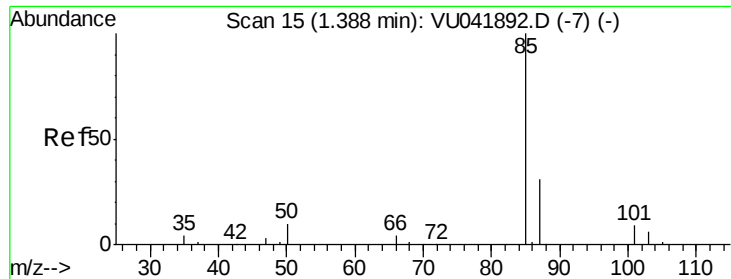
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.199 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041898.D

Acq: 08 Jan 2021 12:26

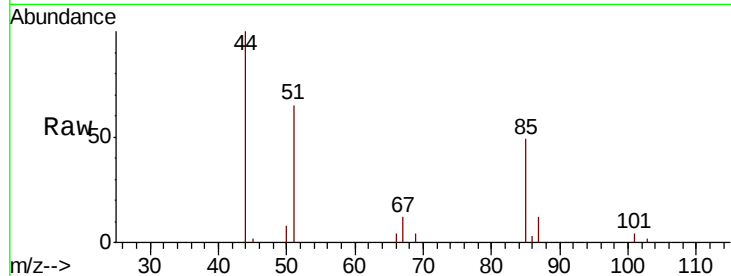
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 2266

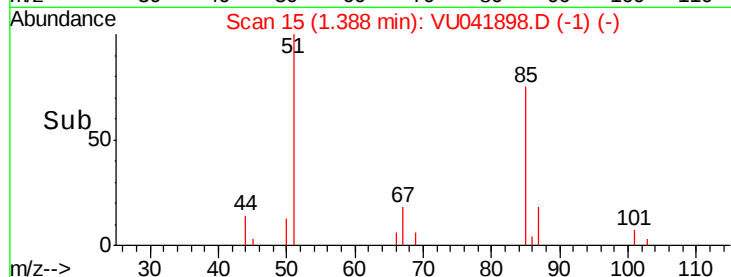
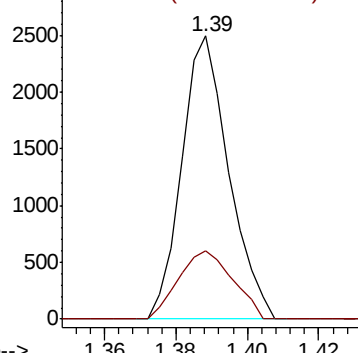
Ion Ratio Lower Upper

85 100

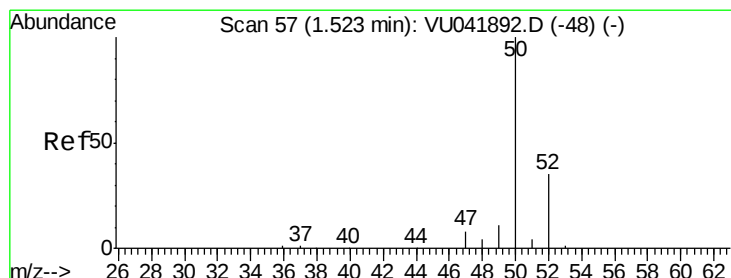
87 27.8 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU0
Ion 87.00 (86.70 to 87.70): VU0



Time-->



#3

Chloromethane

Concen: 0.113 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041898.D

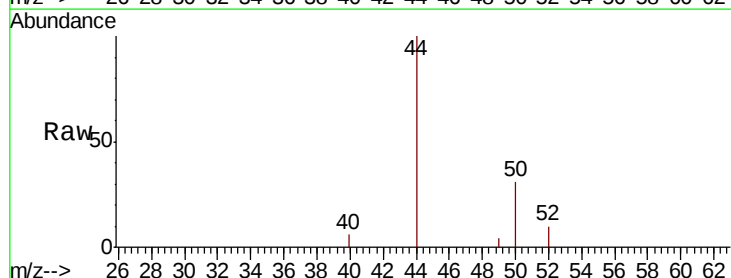
Acq: 08 Jan 2021 12:26

Tgt Ion: 50 Resp: 1249

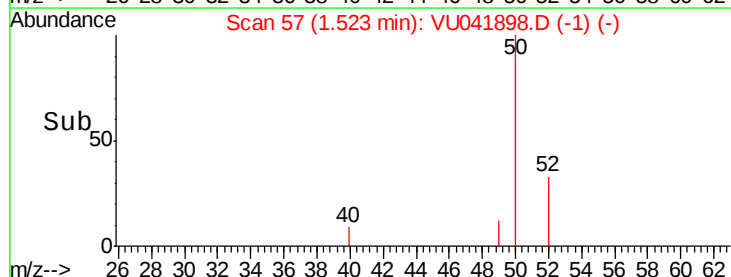
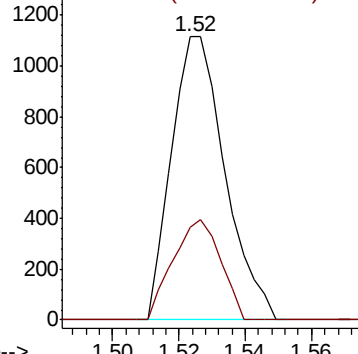
Ion Ratio Lower Upper

50 100

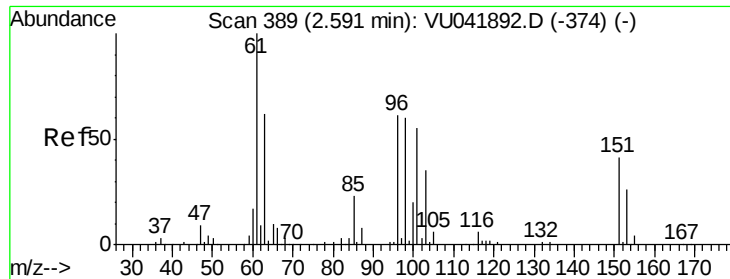
52 32.9 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU0
Ion 52.05 (51.75 to 52.75): VU0



Time-->



#10

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

Concen: 0.073 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU041898.D

Acq: 08 Jan 2021 12:26

Instrument :

MSVOA_U

ClientSampleId :

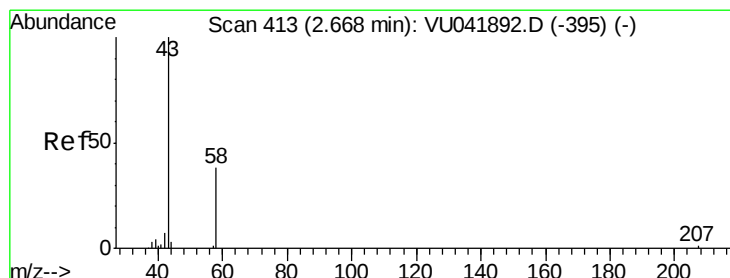
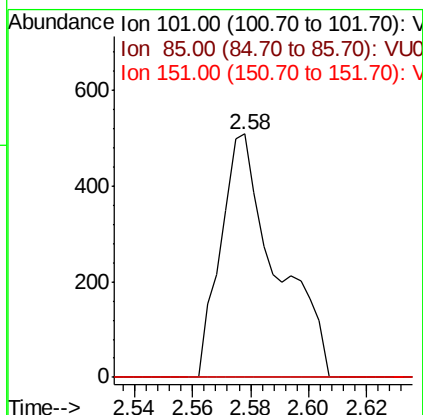
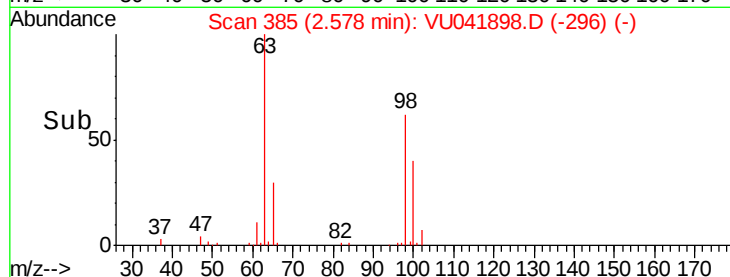
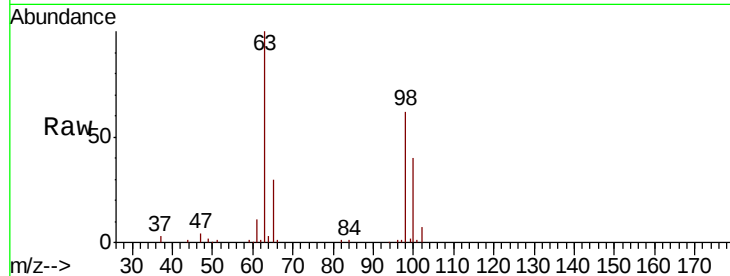
Tot Ion:101 Resp: 675

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

151 0.0 56.2 84.4#



#13

Acetone

Concen: 1.024 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.00 min

Lab File: VU041898.D

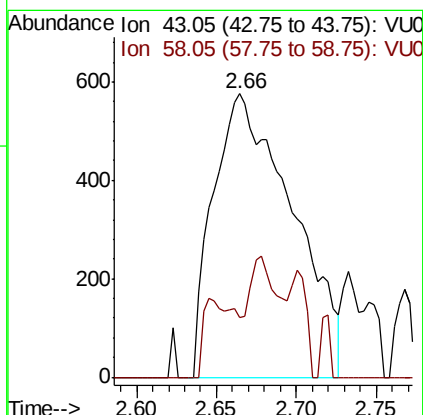
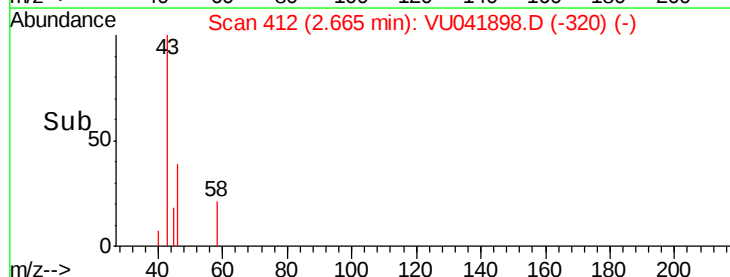
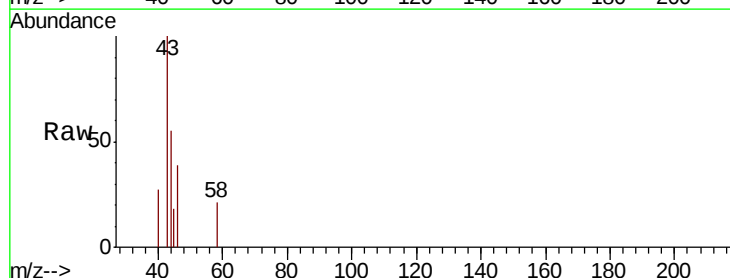
Acq: 08 Jan 2021 12:26

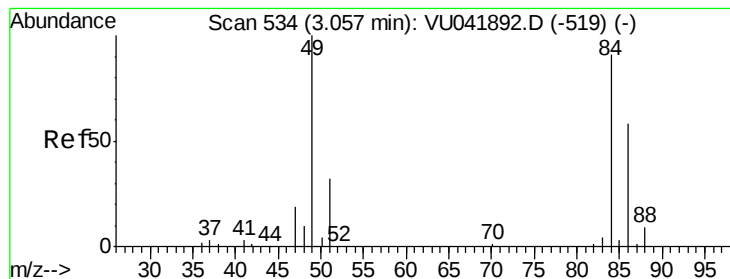
Tgt Ion: 43 Resp: 1967

Ion Ratio Lower Upper

43 100

58 16.3 0.0 73.2





#16

Methylene chloride

Concen: 0.134 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.01 min

Lab File: VU041898.D

Acq: 08 Jan 2021 12:26

Instrument :

MSVOA_U

ClientSampleId :

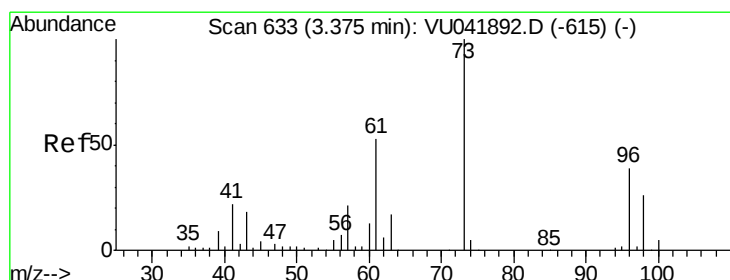
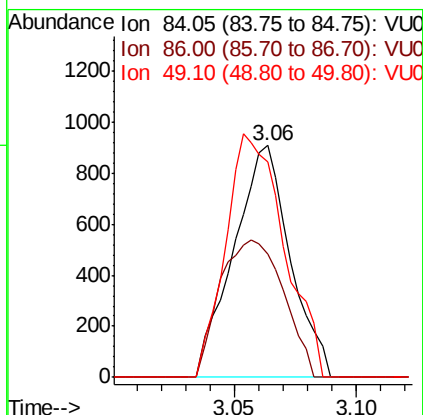
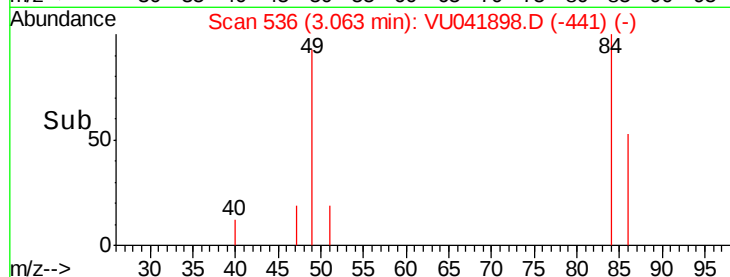
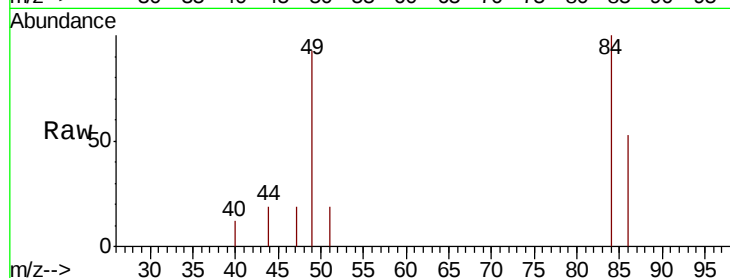
Tot Ion: 84 Resp: 1456

Ion Ratio Lower Upper

84 100

86 53.4 45.1 83.7

49 93.3 83.1 154.3



#17

Methyl tert-butyl Ether

Concen: 2.848 ug/L

RT: 3.38 min Scan# 634

Delta R.T. 0.00 min

Lab File: VU041898.D

Acq: 08 Jan 2021 12:26

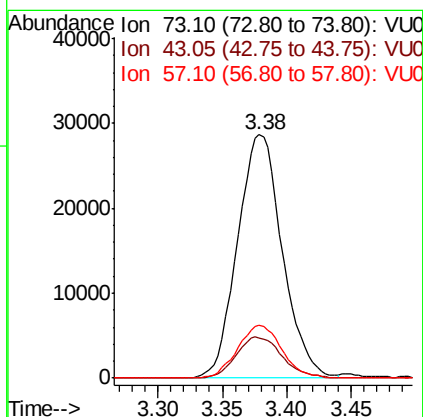
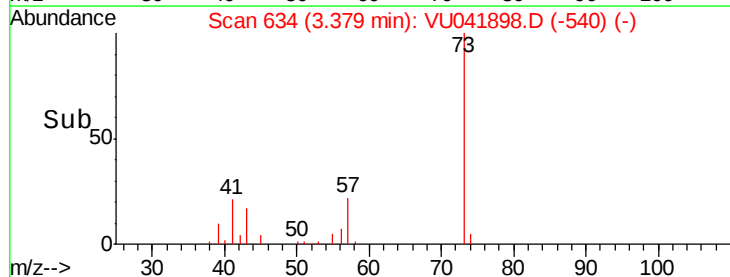
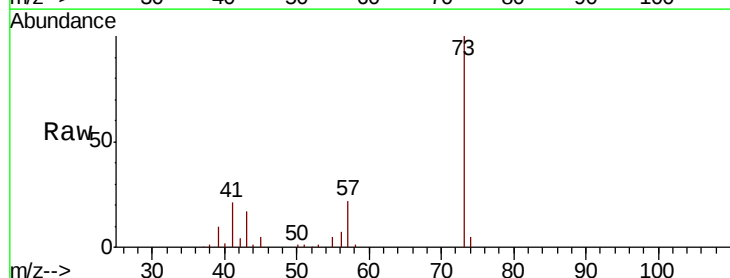
Tgt Ion: 73 Resp: 69294

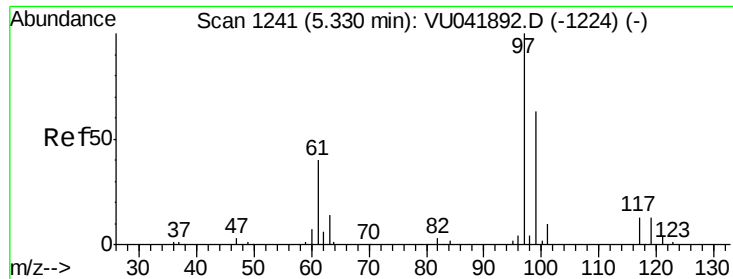
Ion Ratio Lower Upper

73 100

43 17.4 14.7 22.1

57 21.4 18.2 27.4

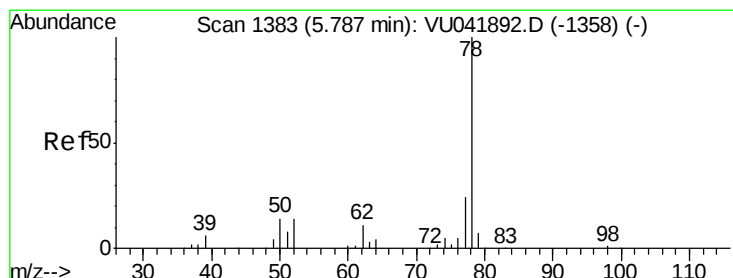
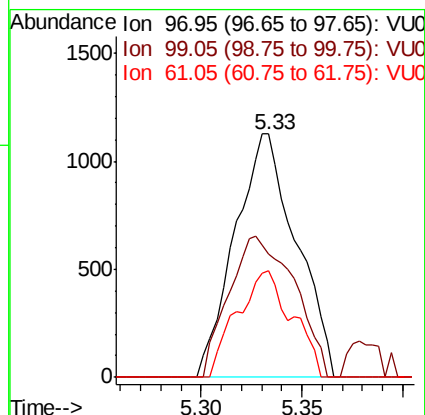
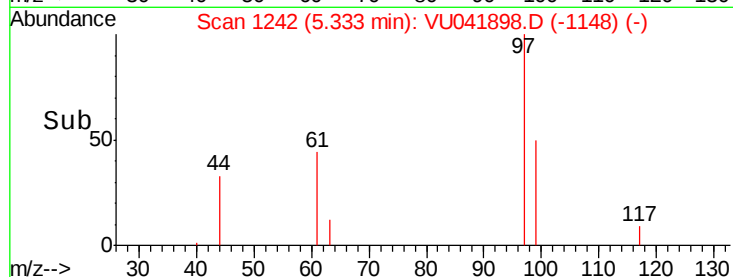
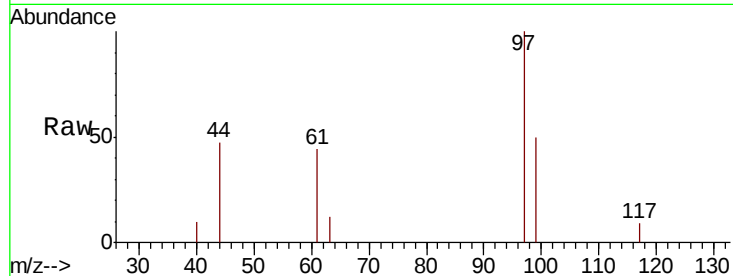




#29
 1,1,1-Trichloroethane
 Concen: 0.157 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU041898.D
 Acq: 08 Jan 2021 12:26

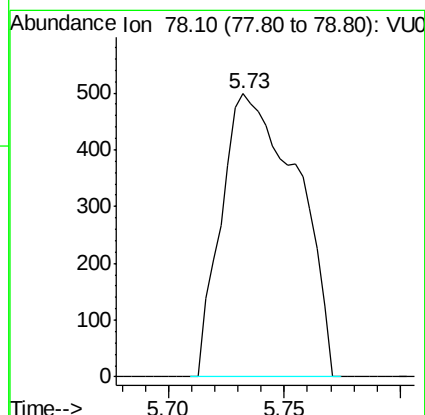
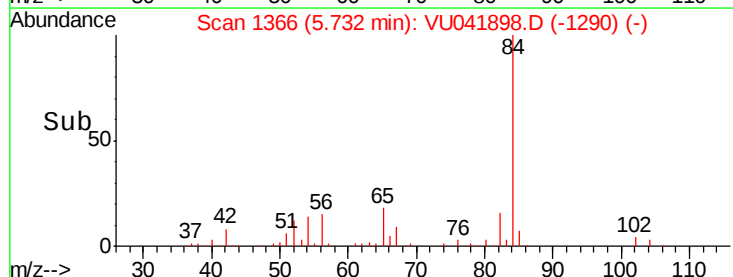
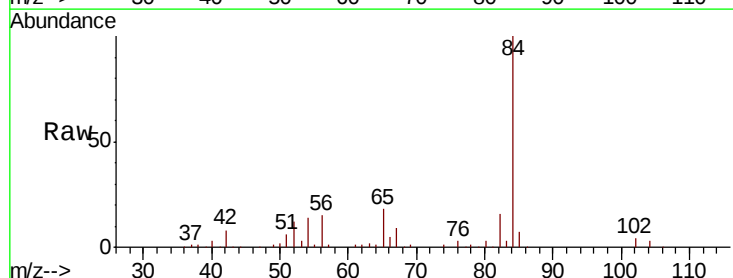
Instrument :
 MSVOA_U
 ClientSampled :

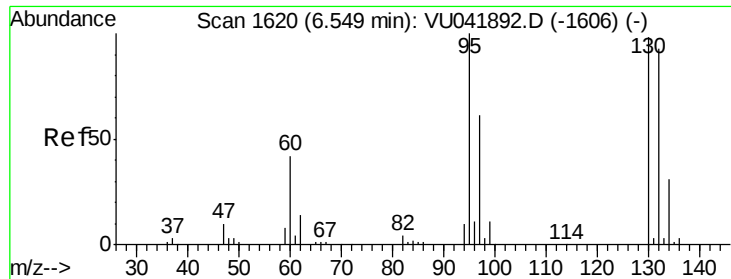
Tot Ion: 97 Resp: 2383
 Ion Ratio Lower Upper
 97 100
 99 62.1 51.3 76.9
 61 39.4 36.5 54.7



#33
 Benzene
 Concen: 0.027 ug/L
 RT: 5.73 min Scan# 1366
 Delta R.T. -0.05 min
 Lab File: VU041898.D
 Acq: 08 Jan 2021 12:26

Tgt Ion: 78 Resp: 1135

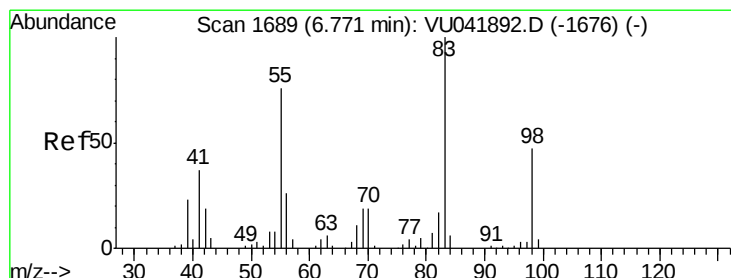
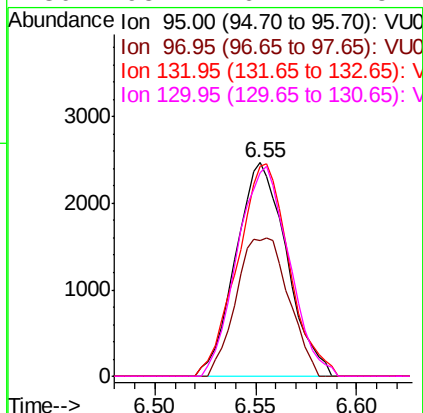
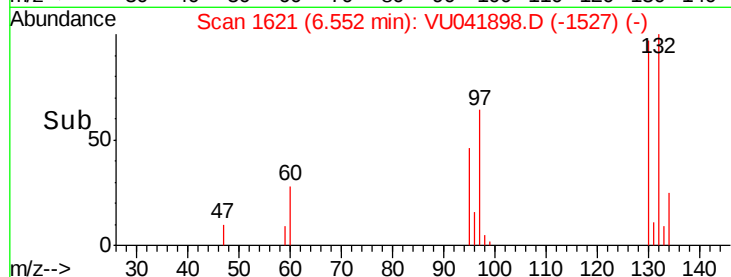
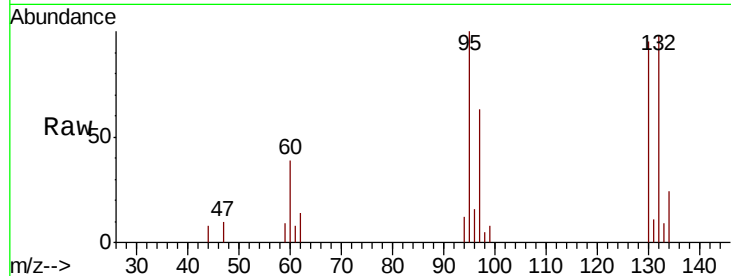




#34
 Trichloroethene
 Concen: 0.412 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041898.D
 Acq: 08 Jan 2021 12:26

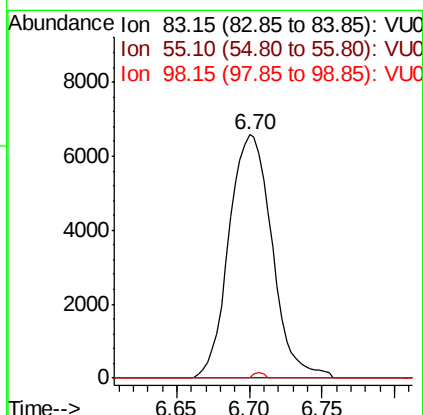
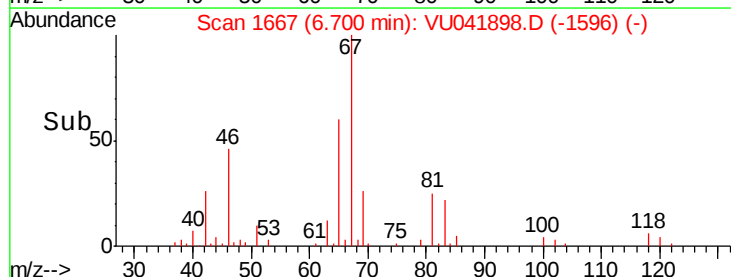
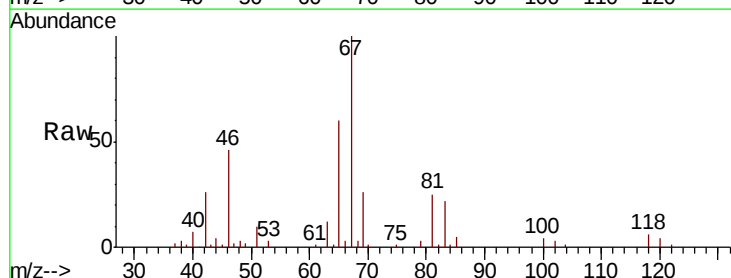
Instrument :
 MSVOA_U
 ClientSampleId :

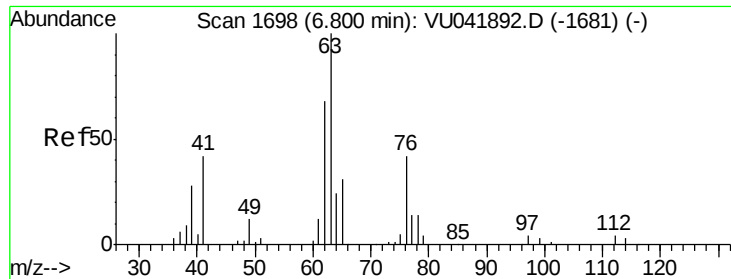
Tot Ion: 95 Resp: 4375
 Ion Ratio Lower Upper
 95 100
 97 63.3 43.9 81.5
 132 98.3 63.1 117.3
 130 95.2 67.4 125.2



#35
 Methylcyclohexane
 Concen: 0.790 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.07 min
 Lab File: VU041898.D
 Acq: 08 Jan 2021 12:26

Tgt Ion: 83 Resp: 13557
 Ion Ratio Lower Upper
 83 100
 55 0.0 61.2 91.8#
 98 0.5 36.6 54.8#

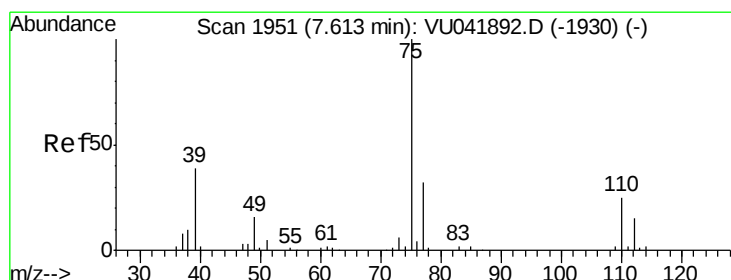
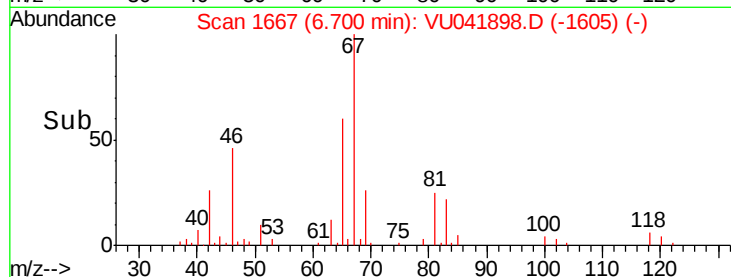
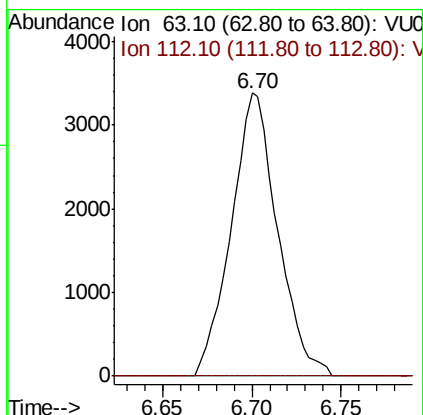
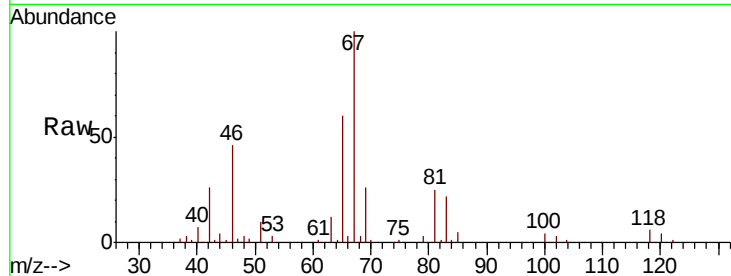




#37
 1,2-Dichloropropane
 Concen: 0.568 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU041898.D
 Acq: 08 Jan 2021 12:26

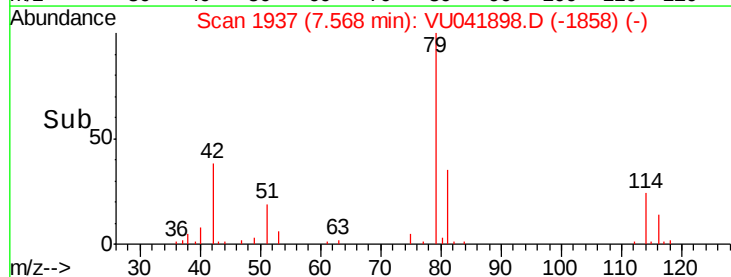
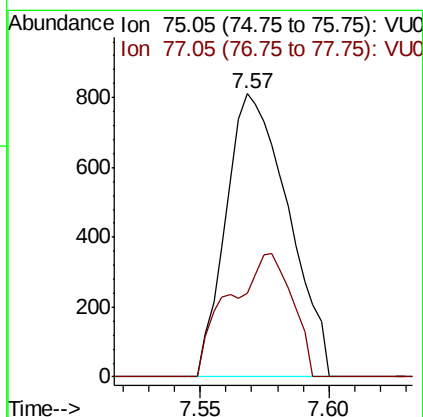
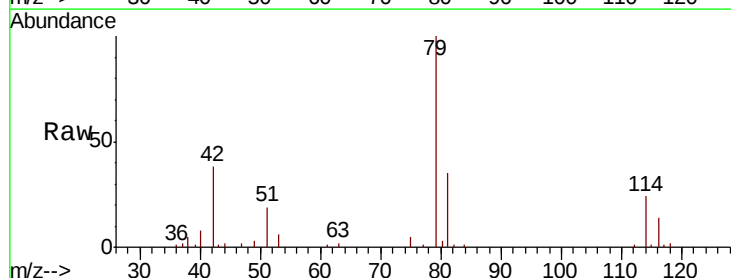
Instrument :
 MSVOA_U
 ClientSampleId :

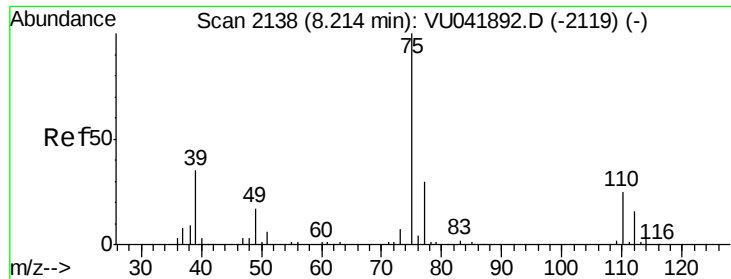
Tot Ion: 63 Resp: 6130
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.086 ug/L
 RT: 7.57 min Scan# 1937
 Delta R.T. -0.04 min
 Lab File: VU041898.D
 Acq: 08 Jan 2021 12:26

Tgt Ion: 75 Resp: 1369
 Ion Ratio Lower Upper
 75 100
 77 29.5 22.3 41.3

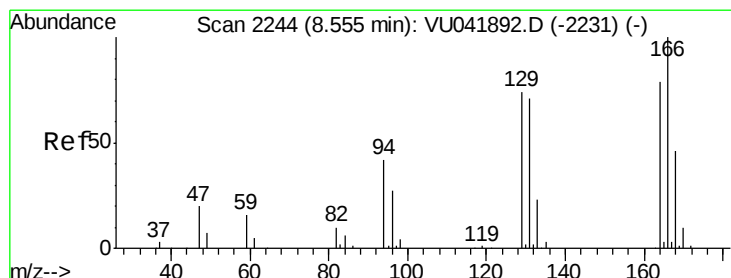
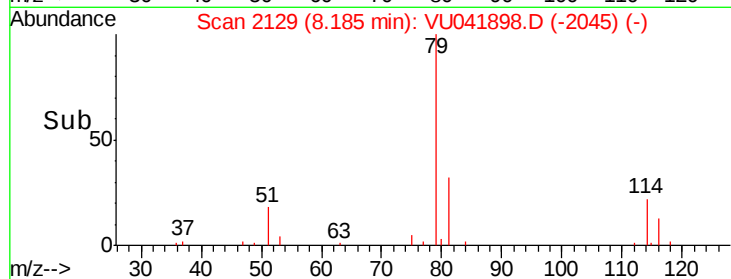
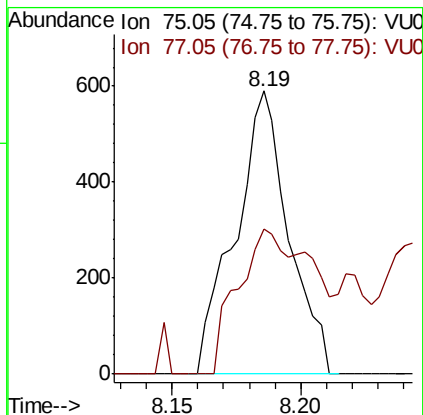
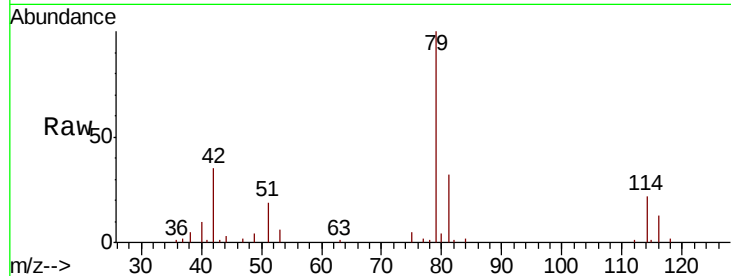




#44
trans-1,3-Dichloropropene
Concen: 0.059 ug/L
RT: 8.19 min Scan# 2129
Delta R.T. -0.03 min
Lab File: VU041898.D
Acq: 08 Jan 2021 12:26

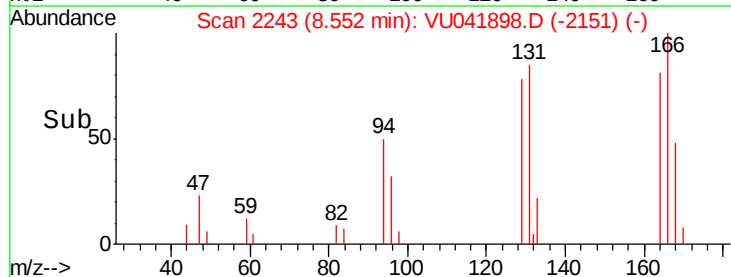
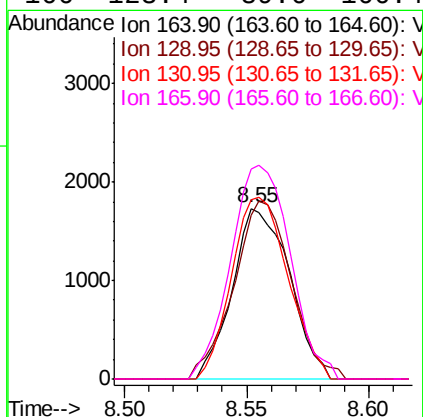
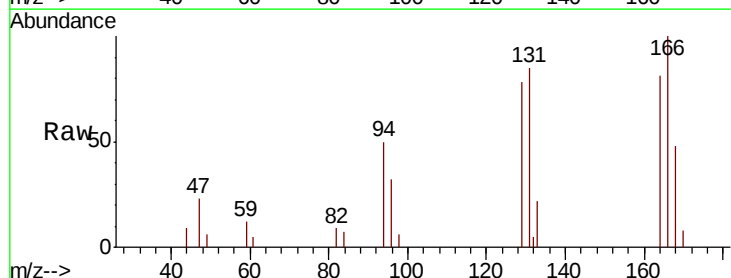
Instrument :
MSVOA_U
ClientSampleId :

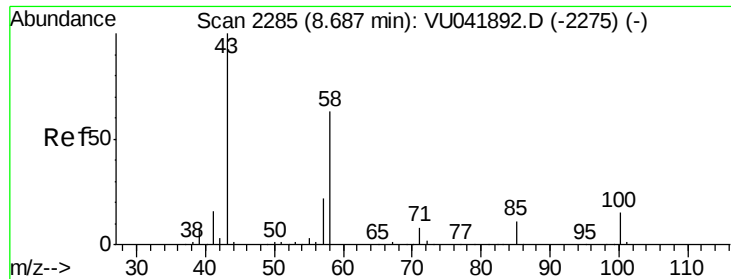
Tot Ion: 75 Resp: 851
Ion Ratio Lower Upper
75 100
77 51.4 23.8 44.2#



#47
Tetrachloroethene
Concen: 0.379 ug/L
RT: 8.55 min Scan# 2243
Delta R.T. -0.00 min
Lab File: VU041898.D
Acq: 08 Jan 2021 12:26

Tgt Ion:164 Resp: 2815
Ion Ratio Lower Upper
164 100
129 96.4 72.2 134.0
131 105.1 66.9 124.3
166 123.4 89.6 166.4

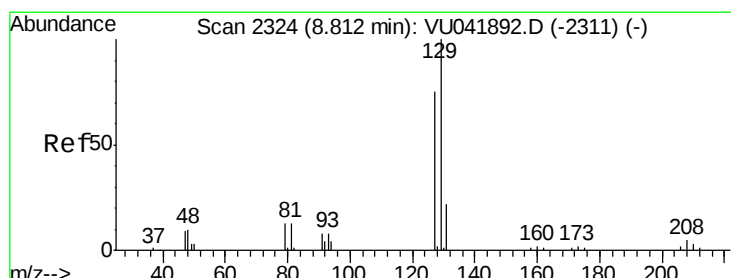
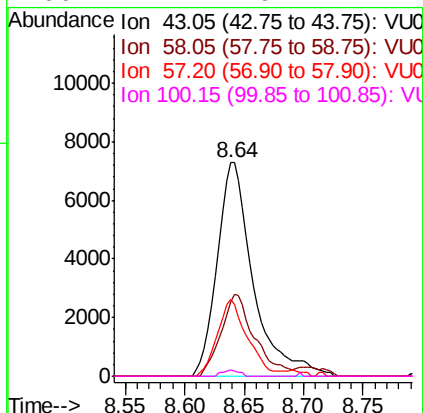
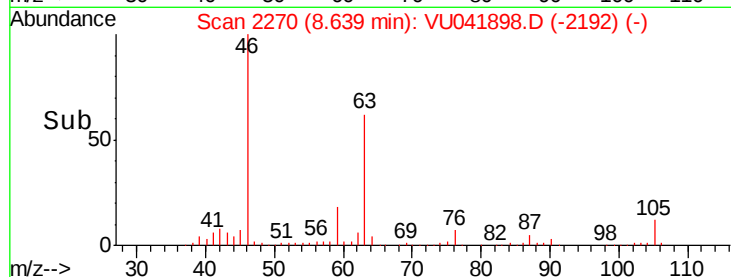
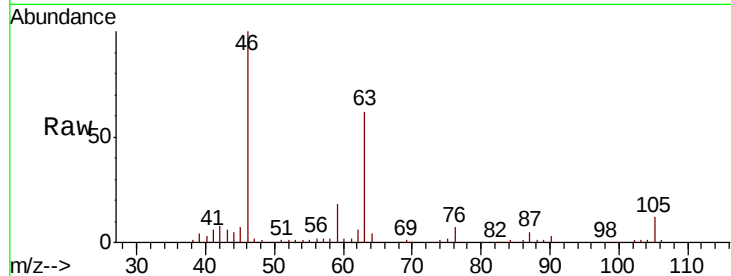




#48
2-Hexanone
Concen: 2.742 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041898.D
Acq: 08 Jan 2021 12:26

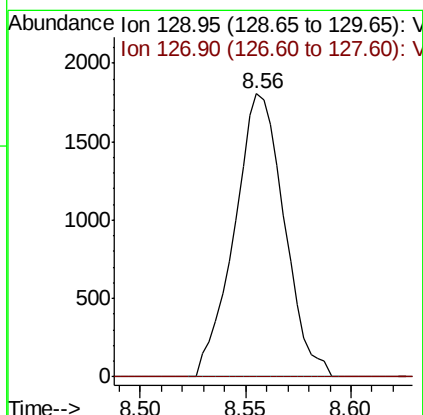
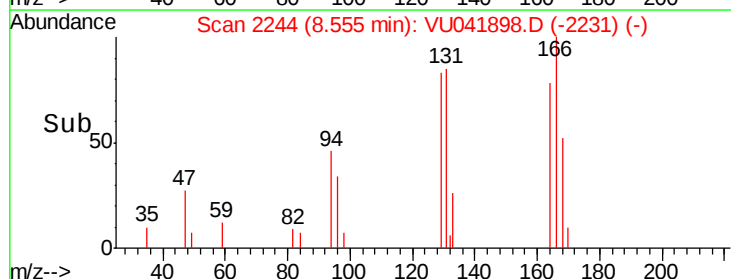
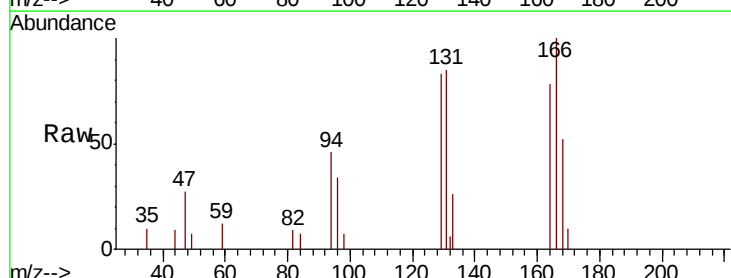
Instrument :
MSVOA_U
ClientSampled :

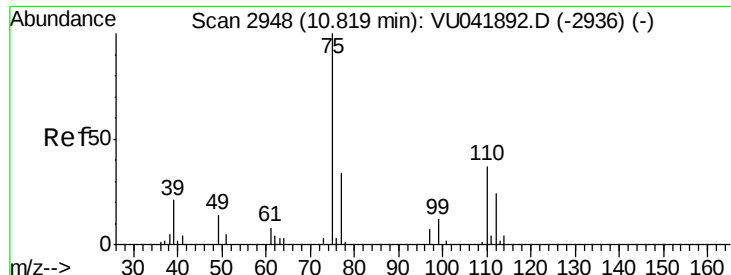
Tot Ion: 43 Resp: 15335
Ion Ratio Lower Upper
43 100
58 35.5 47.9 71.9#
57 30.3 16.5 24.7#
100 1.4 9.4 14.2#



#49
Dibromochloromethane
Concen: 0.324 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU041898.D
Acq: 08 Jan 2021 12:26

Tgt Ion: 129 Resp: 2968
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#





#59

1,2,3-Trichloropropane

Concen: 0.769 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041898.D

Acq: 08 Jan 2021 12:26

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 6236

Ion Ratio Lower Upper

75 100

77 33.2 26.2 39.2

