

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010921\
 Data File : VU041909.D
 Acq On : 08 Jan 2021 16:46
 Operator : SY/MD
 Sample : M1049-06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 09 01:35:45 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	123567	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	119882	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	53885	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	35923	3.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.40%
7) Chloroethane-d5	1.92	69	40282	5.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.80%
11) 1,1-Dichloroethene-d2	2.58	63	55257	3.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.20%
20) 2-Butanone-d5	4.65	46	141891	51.13	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.26%
24) Chloroform-d	5.08	84	87344	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.60%
26) 1,2-Dichloroethane-d4	5.72	65	48353	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
32) Benzene-d6	5.74	84	165548	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
36) 1,2-Dichloropropane-d6	6.70	67	52695	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.00%
41) Toluene-d8	7.90	98	134799	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
43) trans-1,3-Dichloropropene-	8.19	79	19736	4.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.60%
46) 2-Hexanone-d5	8.64	63	117744	44.51	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.02%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	50115	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	55179	5.76	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.20%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	1300	0.128 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	481	0.057 ug/L #	22
13) Acetone	2.66	43	1181	0.669 ug/L	71
15) Methyl Acetate	3.04	43	568	0.124 ug/L #	51
21) 2-Butanone	4.83	43	69420	24.146 ug/L #	45
27) 1,2-Dichloroethane	5.74	62	650	0.059 ug/L #	73
34) Trichloroethene	6.56	95	1206	0.125 ug/L	92
35) Methylcyclohexane	6.70	83	12703	0.816 ug/L #	19
37) 1,2-Dichloropropane	6.70	63	5341	0.545 ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1071	0.074 ug/L #	46
44) trans-1,3-Dichloropropene	8.19	75	703	0.054 ug/L	100
47) Tetrachloroethene	8.56	164	714	0.106 ug/L	83
48) 2-Hexanone	8.64	43	14185	2.793 ug/L #	70
49) Dibromochloromethane	8.56	129	619	0.074 ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	4957	0.673 ug/L	94

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Quant Time: Jan 09 01:35:45 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

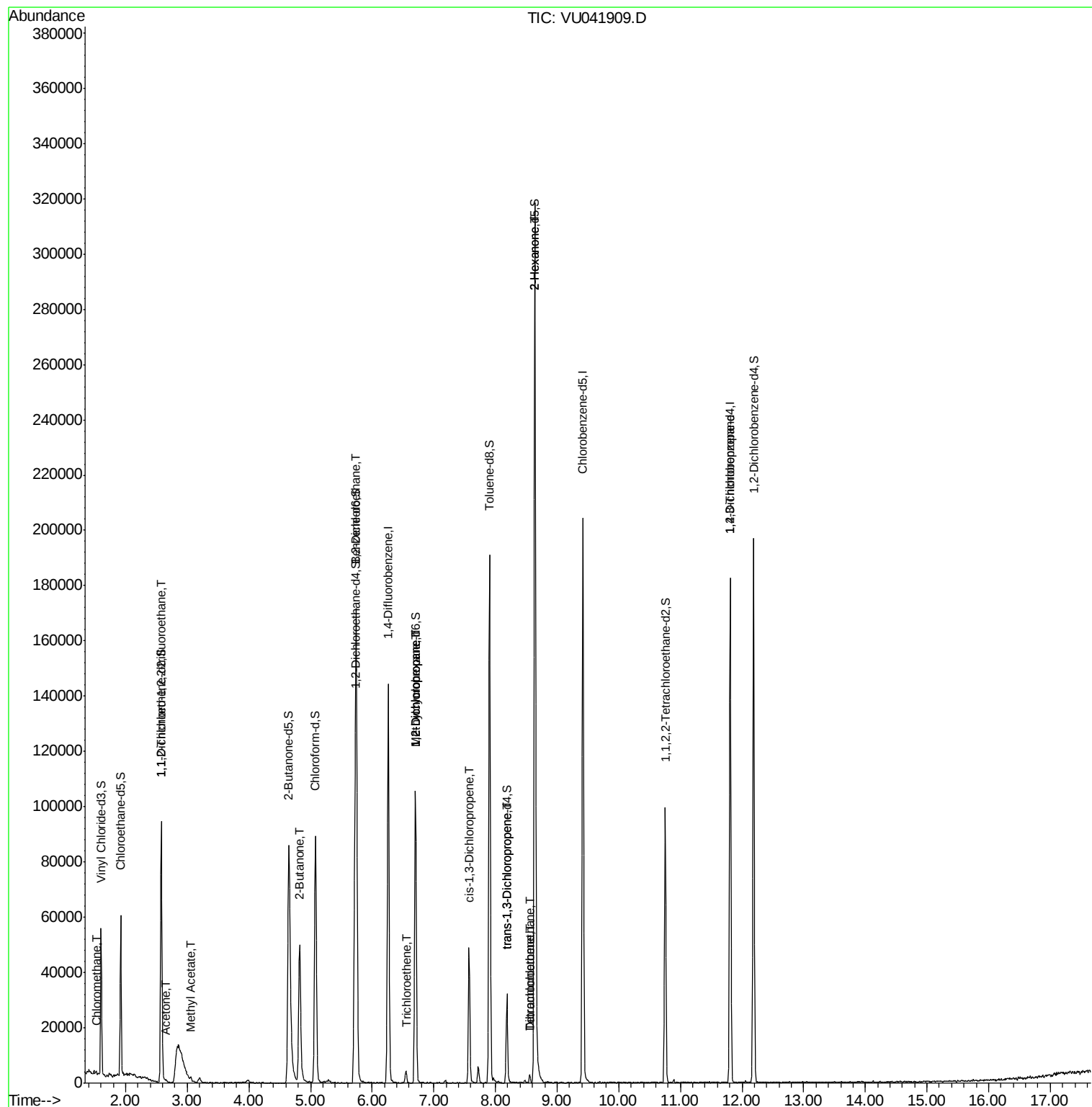
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

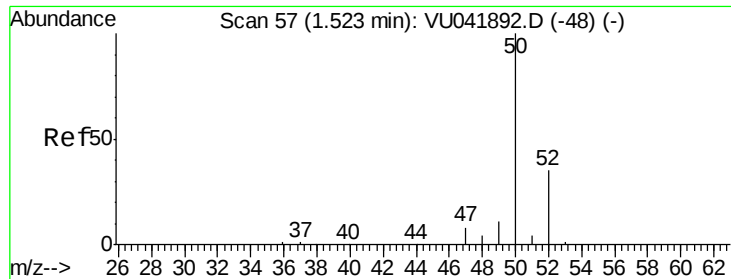
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#3

Chloromethane

Concen: 0.128 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041909.D

Acq: 08 Jan 2021 16:46

Instrument :

MSVOA_U

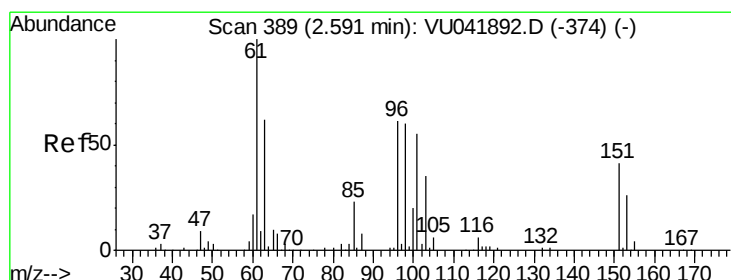
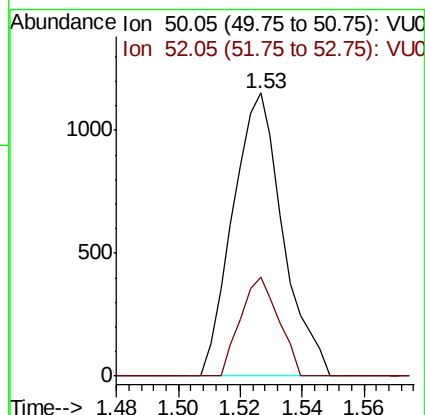
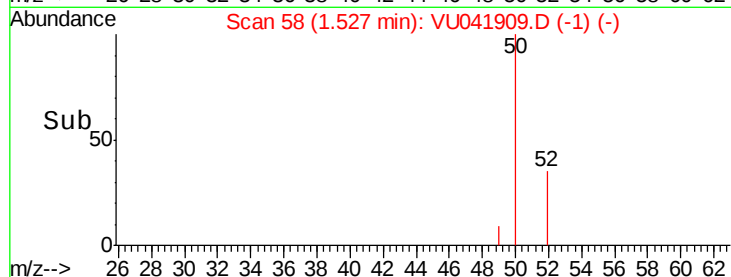
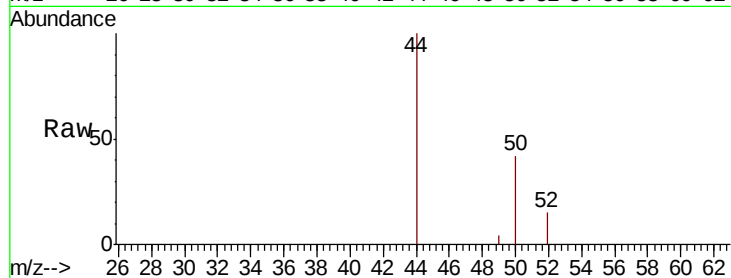
ClientSampled :

Tot Ion: 50 Resp: 1300

Ion Ratio Lower Upper

50 100

52 34.9 24.1 44.8



#10

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

Concen: 0.057 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041909.D

Acq: 08 Jan 2021 16:46

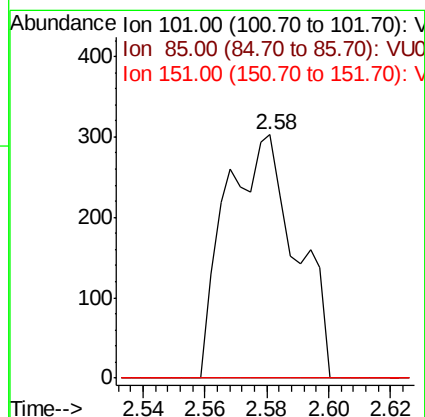
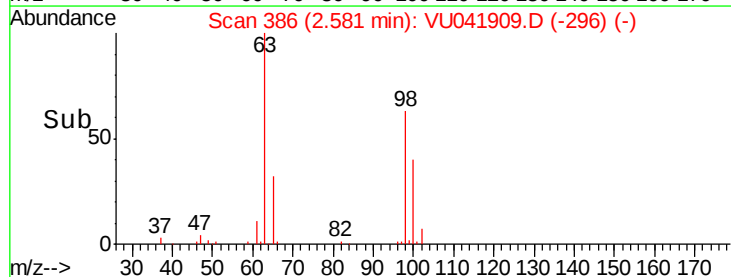
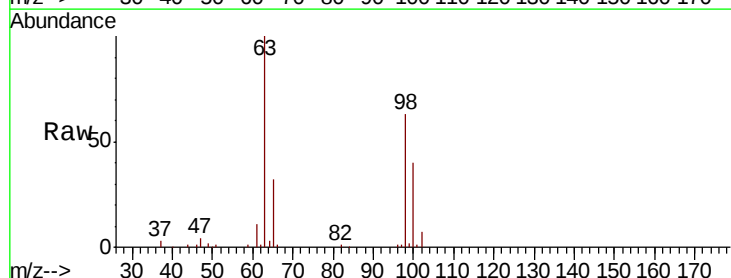
Tgt Ion: 101 Resp: 481

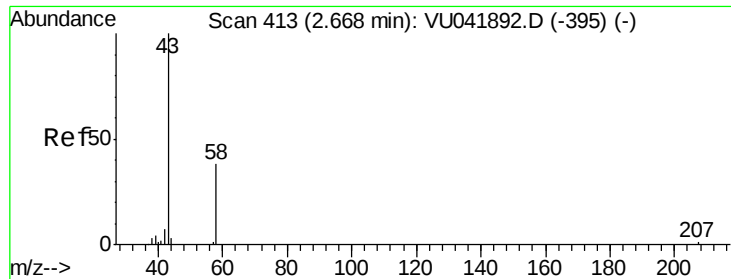
Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

151 0.0 56.2 84.4#





#13

Acetone

Concen: 0.669 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.01 min

Lab File: VU041909.D

Acq: 08 Jan 2021 16:46

Instrument :

MSVOA_U

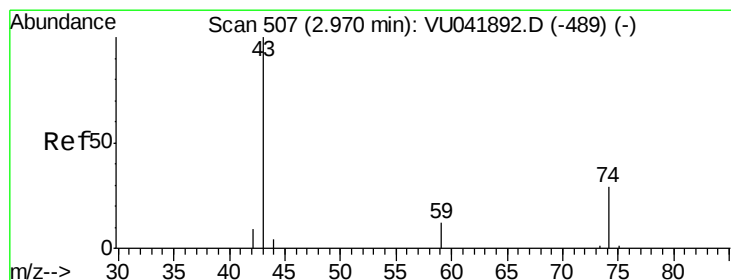
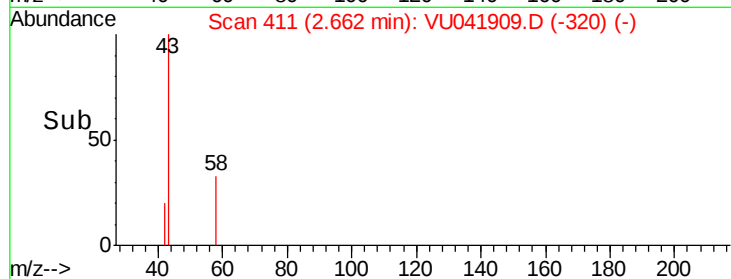
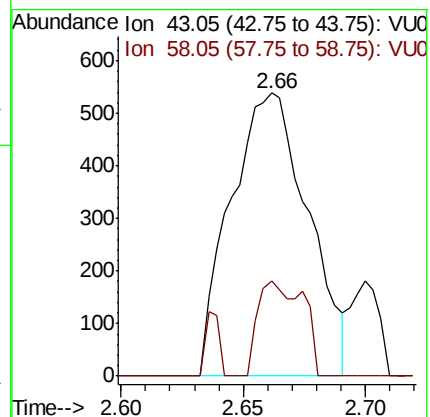
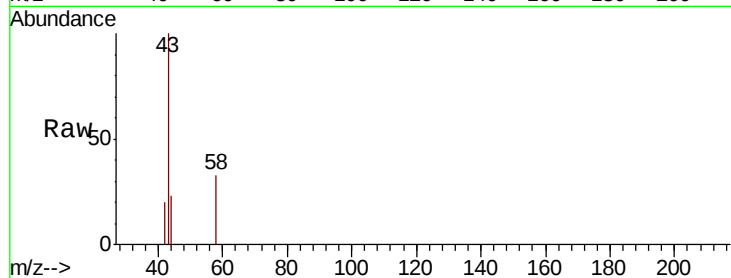
ClientSampleId :

Tot Ion: 43 Resp: 1181

Ion Ratio Lower Upper

43 100

58 19.6 0.0 73.2



#15

Methyl Acetate

Concen: 0.124 ug/L

RT: 3.04 min Scan# 529

Delta R.T. 0.07 min

Lab File: VU041909.D

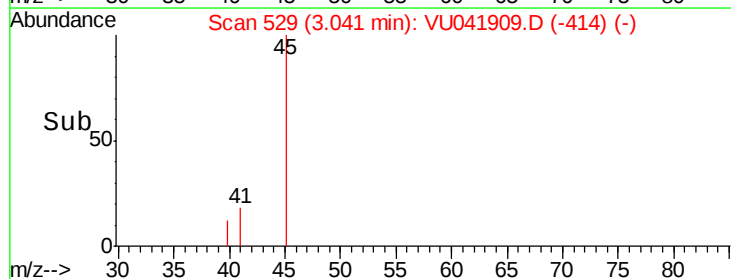
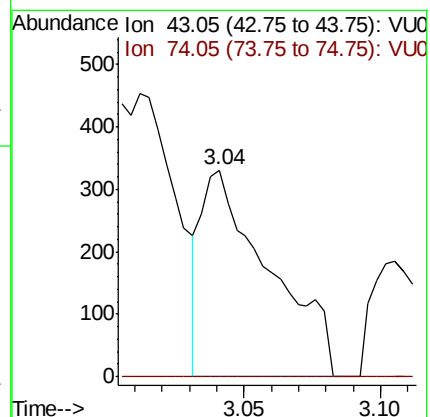
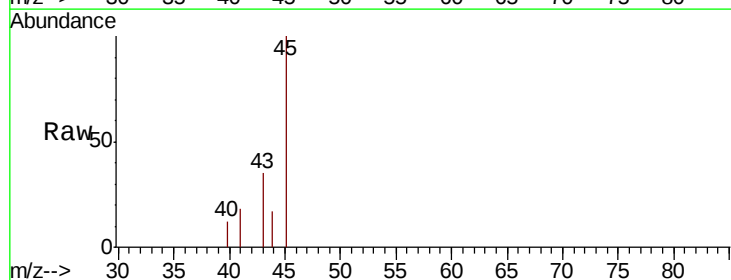
Acq: 08 Jan 2021 16:46

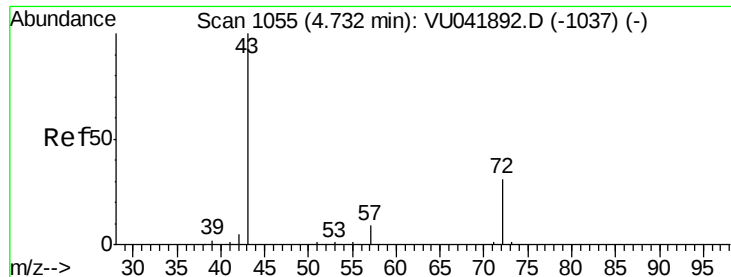
Tgt Ion: 43 Resp: 568

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#

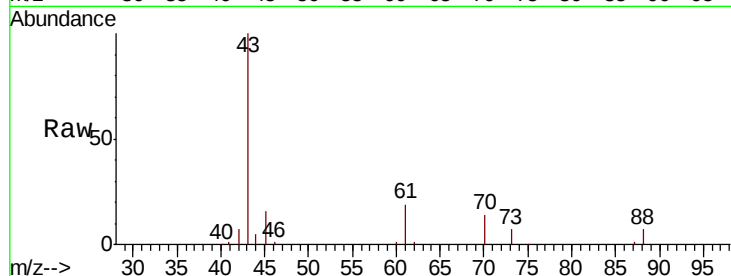




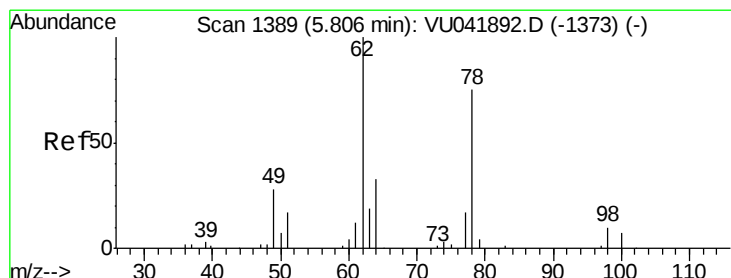
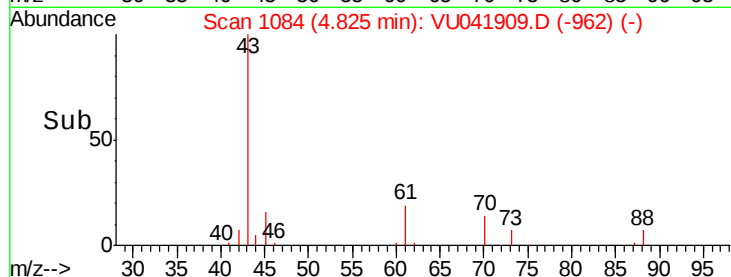
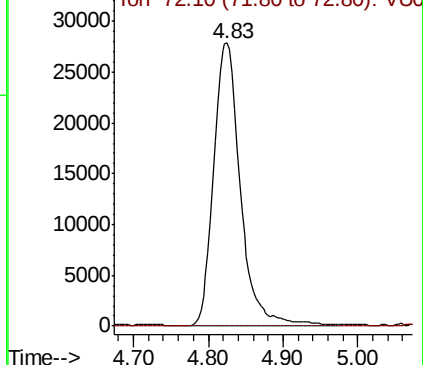
#21
2-Butanone
Concen: 24.146 ug/L
RT: 4.83 min Scan# 1084
Delta R.T. 0.09 min
Lab File: VU041909.D
Acq: 08 Jan 2021 16:46

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 69420
Ion Ratio Lower Upper
43 100
72 0.0 14.6 44.0#

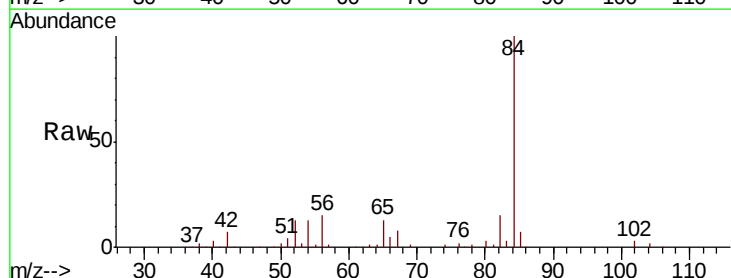


Abundance Ion 43.05 (42.75 to 43.75): VU041909.D (-962) (-)
Ion 72.10 (71.80 to 72.80): VU041909.D (-962) (-)

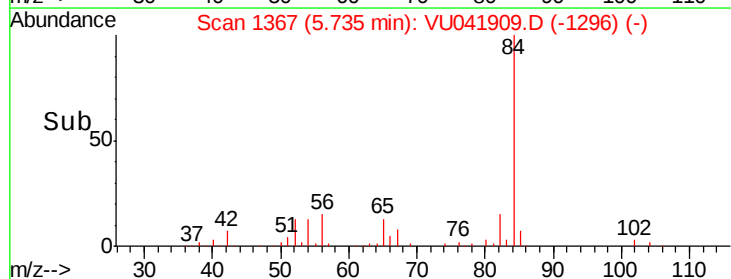
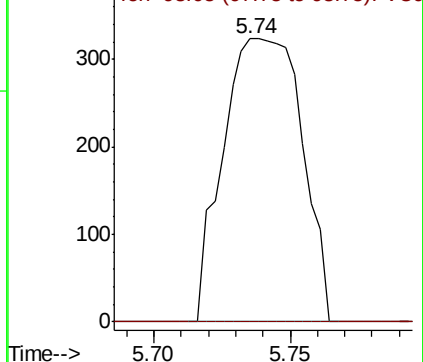


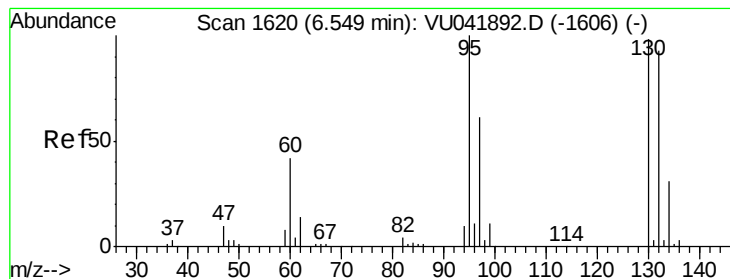
#27
1,2-Dichloroethane
Concen: 0.059 ug/L
RT: 5.74 min Scan# 1367
Delta R.T. -0.07 min
Lab File: VU041909.D
Acq: 08 Jan 2021 16:46

Tgt Ion: 62 Resp: 650
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.2#



Abundance Ion 62.00 (61.70 to 62.70): VU041909.D (-1296) (-)
Ion 98.05 (97.75 to 98.75): VU041909.D (-1296) (-)





#34

Trichloroethene

Concen: 0.125 ug/L

RT: 6.56 min Scan# 1623

Delta R.T. 0.01 min

Lab File: VU041909.D

Acq: 08 Jan 2021 16:46

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 95 Resp: 1206

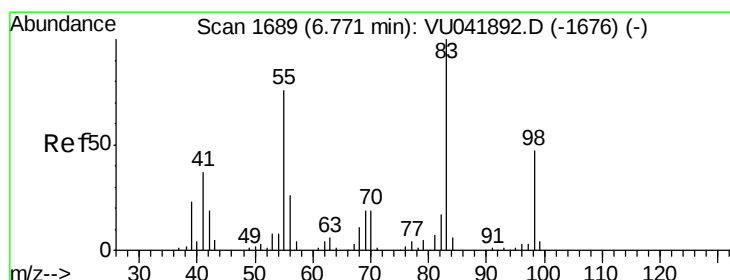
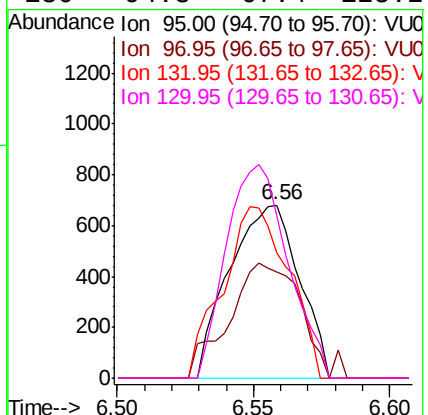
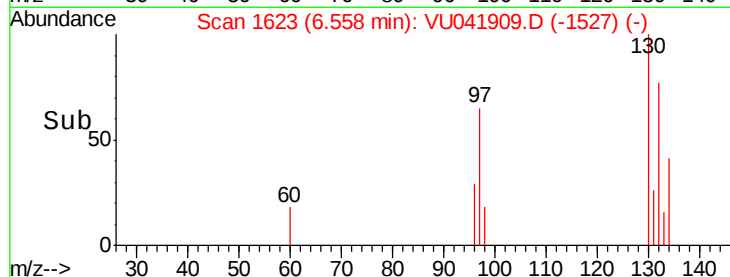
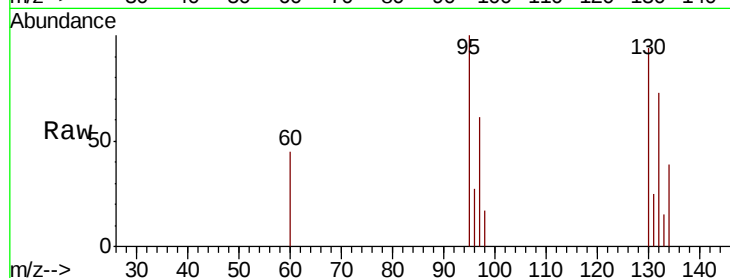
Ion Ratio Lower Upper

95 100

97 61.1 43.9 81.5

132 72.8 63.1 117.3

130 94.3 67.4 125.2



#35

Methylcyclohexane

Concen: 0.816 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU041909.D

Acq: 08 Jan 2021 16:46

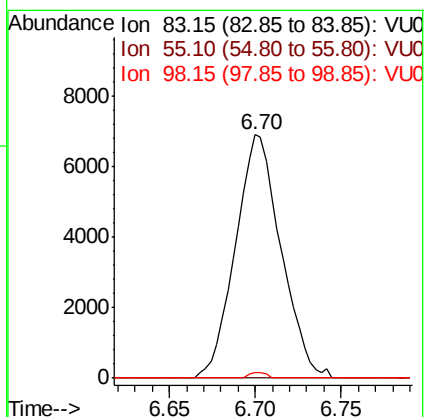
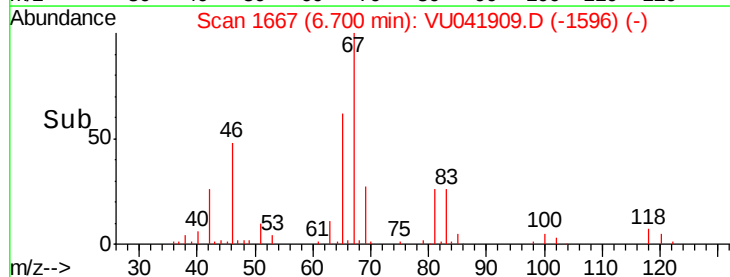
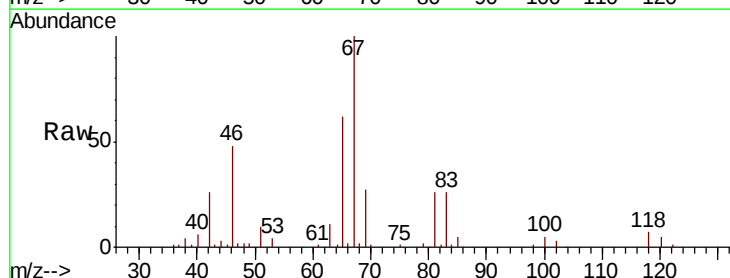
Tgt Ion: 83 Resp: 12703

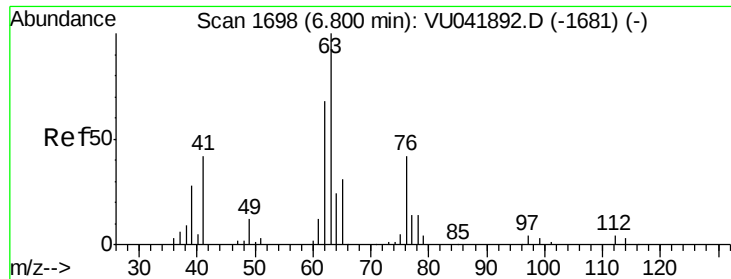
Ion Ratio Lower Upper

83 100

55 0.0 61.2 91.8#

98 0.8 36.6 54.8#

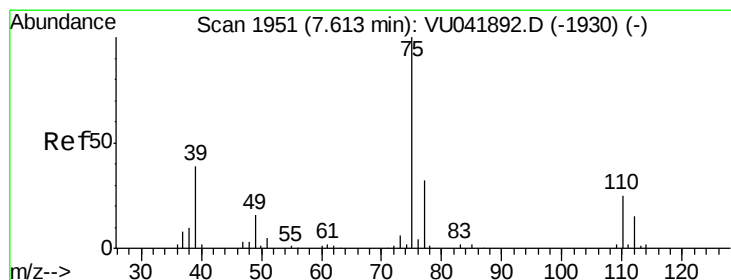
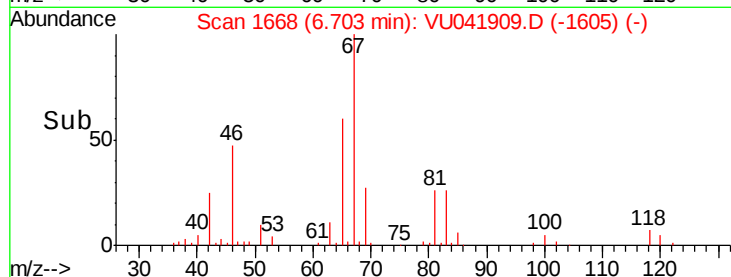
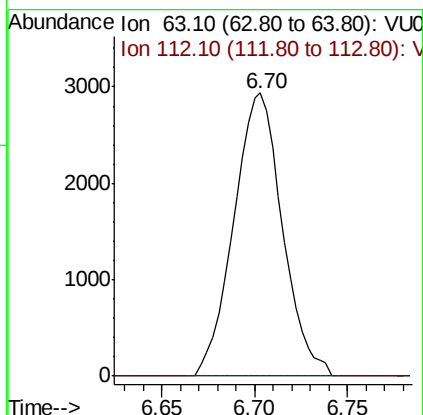
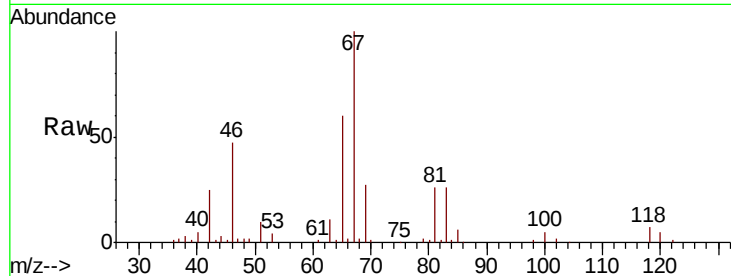




#37
 1,2-Dichloropropane
 Concen: 0.545 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU041909.D
 Acq: 08 Jan 2021 16:46

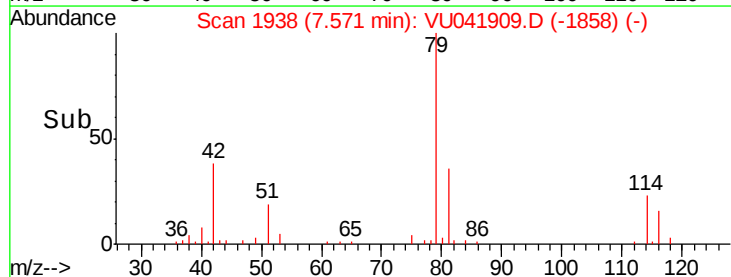
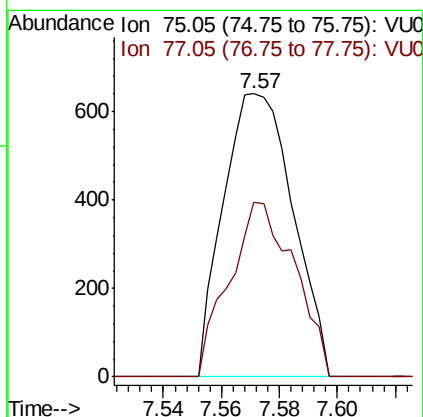
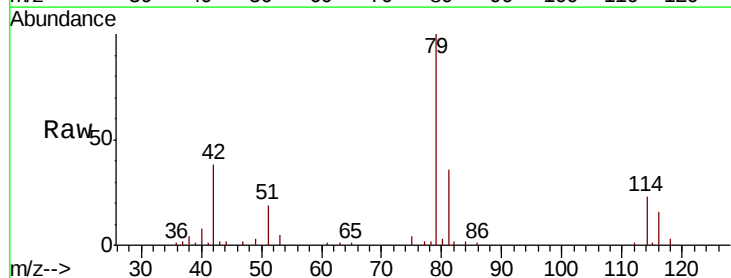
Instrument :
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 ClientSampleId :

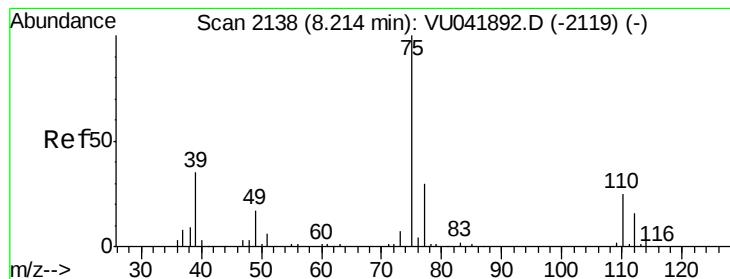
Tot Ion: 63 Resp: 5341
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.074 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041909.D
 Acq: 08 Jan 2021 16:46

Tgt Ion: 75 Resp: 1071
 Ion Ratio Lower Upper
 75 100
 77 61.7 22.3 41.3#





#44

trans-1,3-Dichloropropene

Concen: 0.054 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU041909.D

Acq: 08 Jan 2021 16:46

Instrument :

MSVOA_U

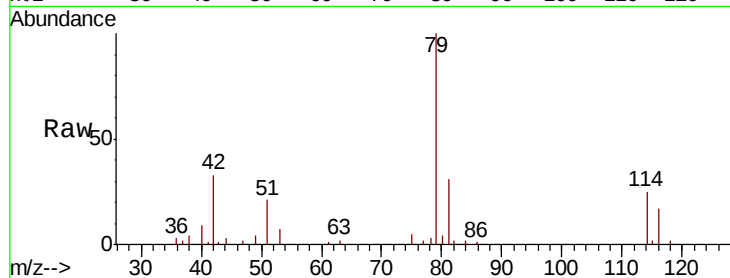
ClientSampleId :

Tot Ion: 75 Resp: 703

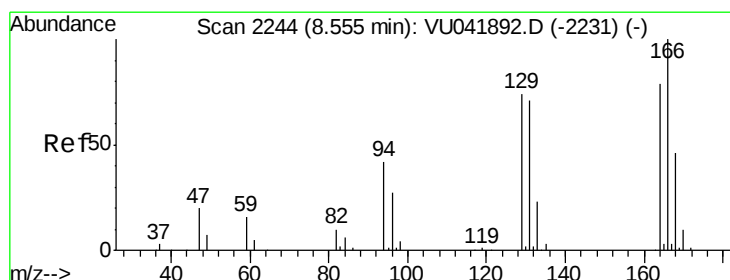
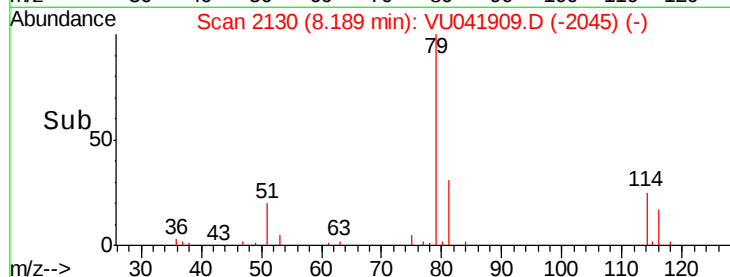
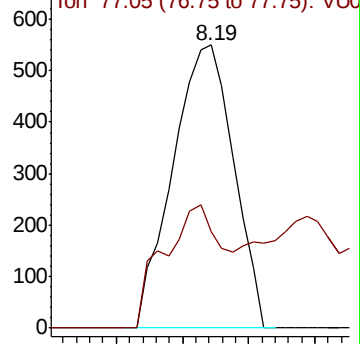
Ion Ratio Lower Upper

75 100

77 34.2 23.8 44.2



Abundance Ion 75.05 (74.75 to 75.75): VU041892.D (-2119) (-)



#47

Tetrachloroethene

Concen: 0.106 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. 0.01 min

Lab File: VU041909.D

Acq: 08 Jan 2021 16:46

Tgt Ion:164 Resp: 714

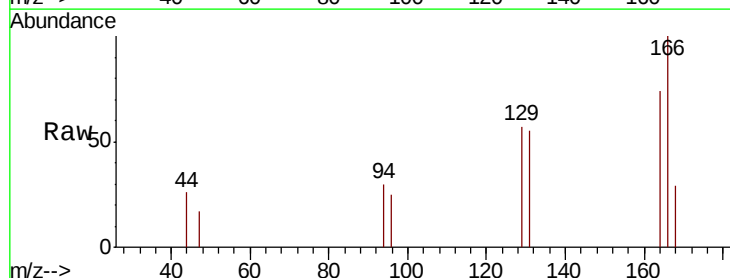
Ion Ratio Lower Upper

164 100

129 77.4 72.2 134.0

131 75.1 66.9 124.3

166 135.7 89.6 166.4

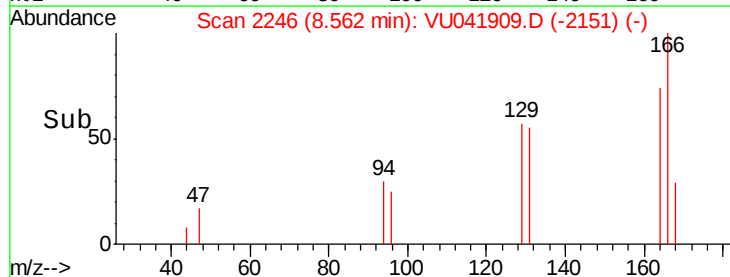
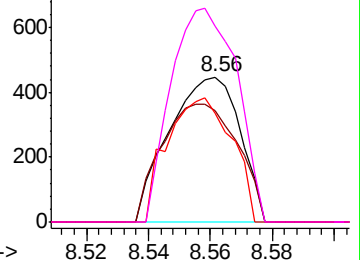


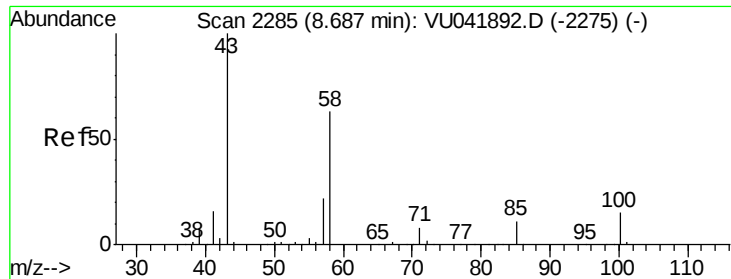
Abundance Ion 163.90 (163.60 to 164.60): VU041892.D (-2231) (-)

Ion 128.95 (128.65 to 129.65): VU041892.D (-2231) (-)

Ion 130.95 (130.65 to 131.65): VU041892.D (-2231) (-)

Ion 165.90 (165.60 to 166.60): VU041892.D (-2231) (-)

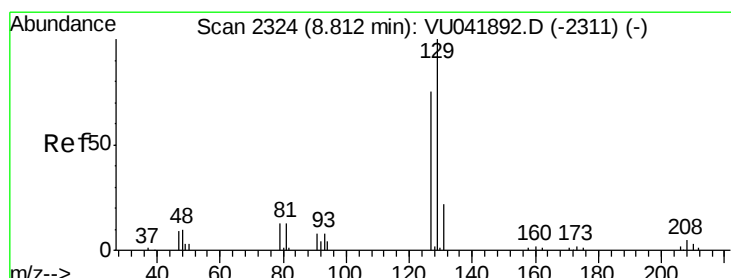
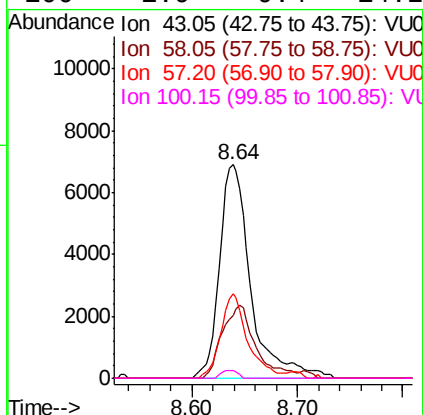
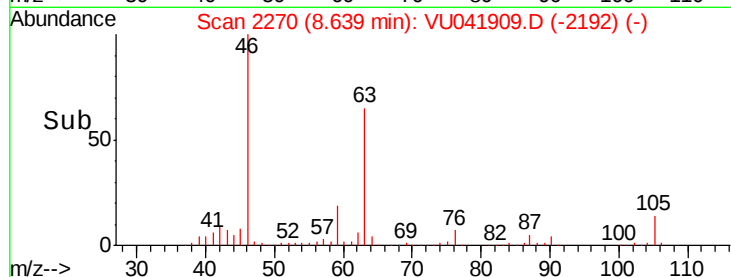
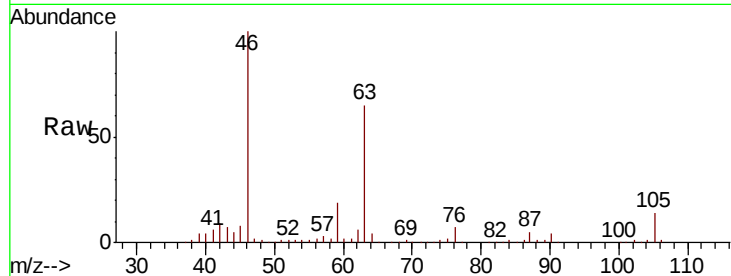




#48
2-Hexanone
Concen: 2.793 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041909.D
Acq: 08 Jan 2021 16:46

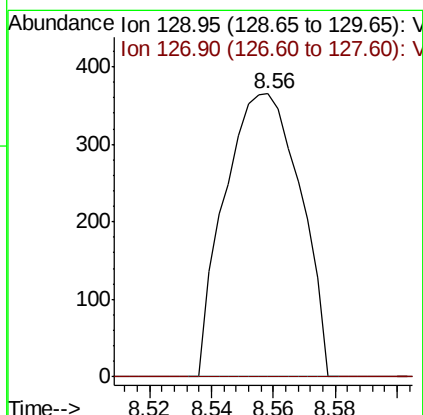
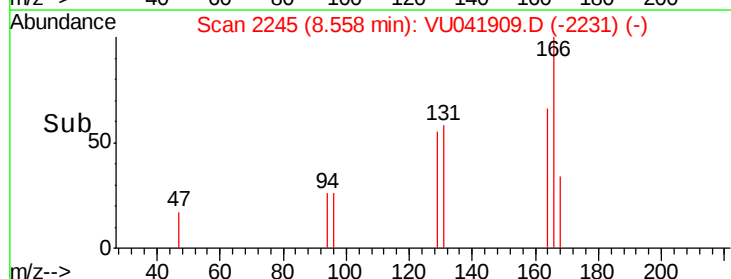
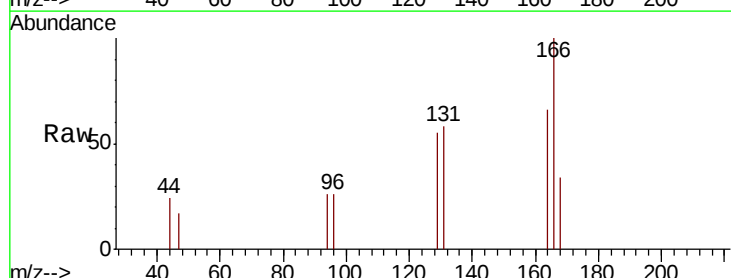
Instrument :
MSVOA_U
ClientSampleId :

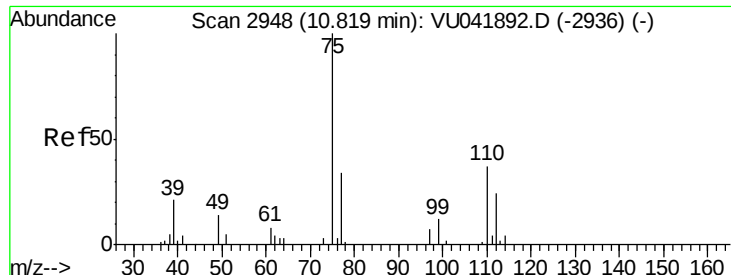
Tot Ion: 43 Resp: 14185
Ion Ratio Lower Upper
43 100
58 36.4 47.9 71.9#
57 34.3 16.5 24.7#
100 1.9 9.4 14.2#



#49
Dibromochloromethane
Concen: 0.074 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.25 min
Lab File: VU041909.D
Acq: 08 Jan 2021 16:46

Tgt Ion: 129 Resp: 619
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#





#59

1,2,3-Trichloropropane

Concen: 0.673 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041909.D

Acq: 08 Jan 2021 16:46

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 4957

Ion Ratio Lower Upper

75 100

77 36.3 26.2 39.2

