

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
 Data File : VU041943.D
 Acq On : 12 Jan 2021 00:36
 Operator : SY/MD
 Sample : M1049-01DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AQ3DL

Quant Time: Jan 12 05:51:48 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011121WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 12 05:50:11 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	108205	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	109339	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	45791	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	45421	4.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.60%
7) Chloroethane-d5	1.92	69	43903	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.00%
11) 1,1-Dichloroethene-d2	2.58	63	64204	3.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.20%
20) 2-Butanone-d5	4.66	46	142088	56.06	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.12%
24) Chloroform-d	5.08	84	81298	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	5.72	65	47290	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.00%
32) Benzene-d6	5.74	84	155426	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
36) 1,2-Dichloropropane-d6	6.70	67	50308	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.20%
41) Toluene-d8	7.90	98	131321	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
43) trans-1,3-Dichloropropene-	8.19	79	20079	4.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.80%
46) 2-Hexanone-d5	8.64	63	120071	56.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.06%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48625	5.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	48572	5.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.20%

Target Compounds

					Ovalue
9) Trichlorofluoromethane	2.15	101	15816	0.992 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	695	0.080 ug/L #	20
12) 1,1-Dichloroethene	2.58	96	543	0.064 ug/L #	1
15) Methyl Acetate	2.97	43	505	0.135 ug/L #	50
16) Methylene chloride	3.06	84	10536	0.992 ug/L	93
22) cis-1,2-Dichloroethene	4.68	96	3270	0.373 ug/L	96
25) Chloroform	5.10	83	1217	0.076 ug/L	86
27) 1,2-Dichloroethane	5.75	62	802	0.078 ug/L #	73
34) Trichloroethene	6.55	95	55833	6.036 ug/L	97
35) Methylcyclohexane	6.70	83	11582	0.852 ug/L #	17
37) 1,2-Dichloropropane	6.70	63	5177	0.589 ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1109	0.085 ug/L #	64
44) trans-1,3-Dichloropropene	8.18	75	758	0.066 ug/L #	80
47) Tetrachloroethene	8.56	164	34166	5.308 ug/L	96
48) 2-Hexanone	8.64	43	14530	3.533 ug/L #	68
49) Dibromochloromethane	8.56	129	33072	4.033 ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5014	0.781 ug/L	90

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QLast Update : Tue Jan 12 05:50:11 2021
Response via : Initial Calibration

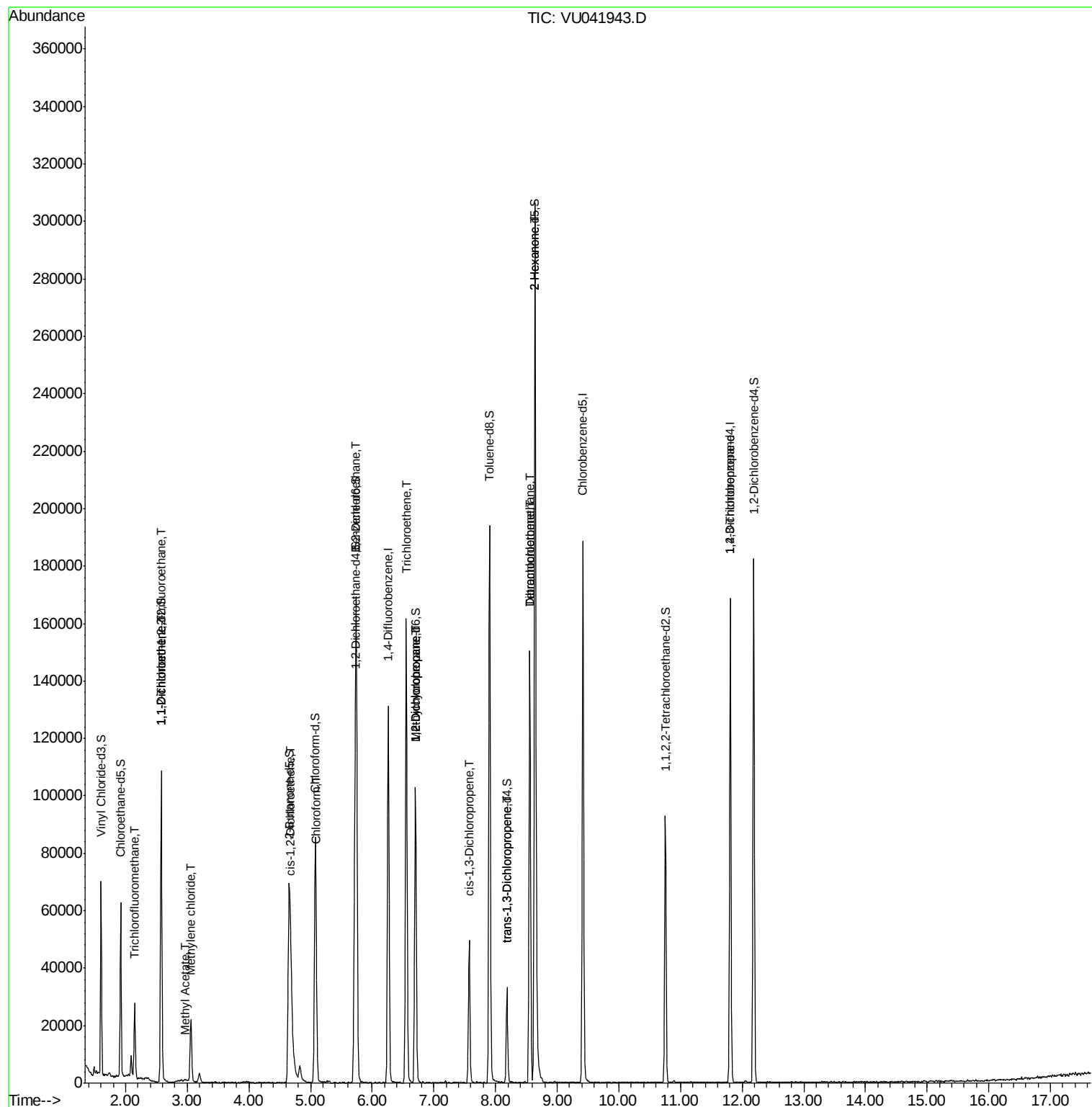
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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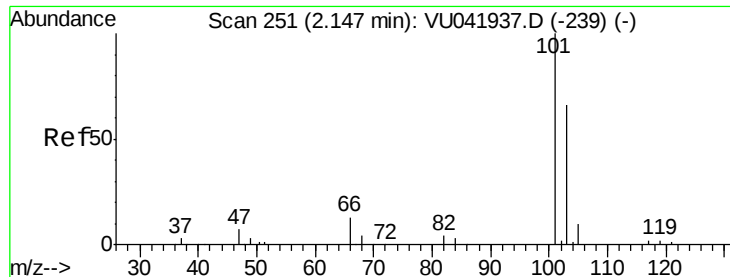
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 25.0mL/MSVOA U/WATER
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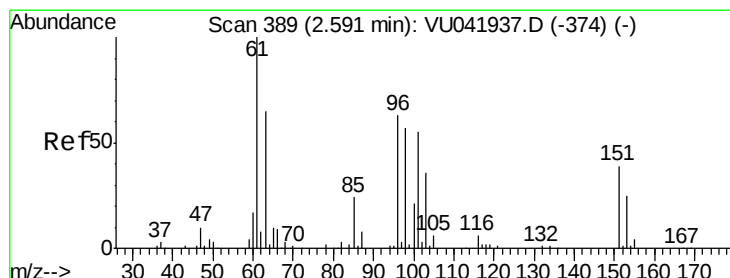
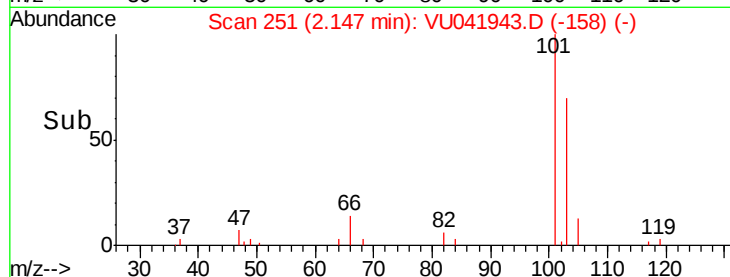
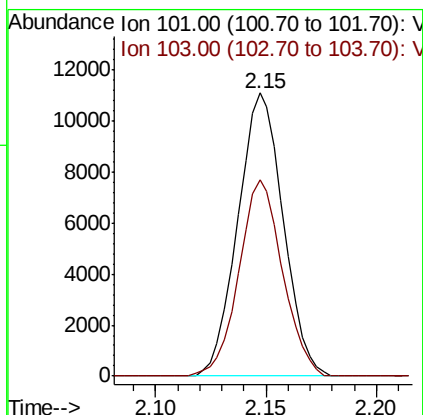
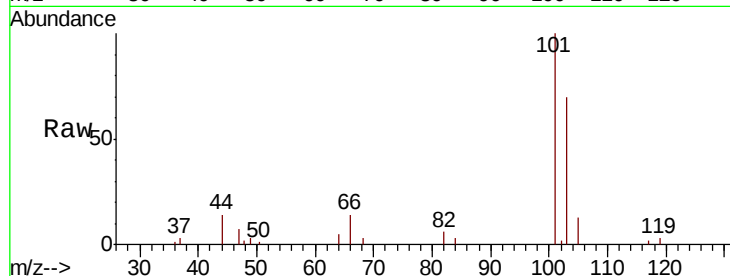


#9

Trichlorofluoromethane
Concen: 0.992 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU041943.D
Acq: 12 Jan 2021 00:36

Instrument :
MSVOA_U
ClientSampleId :
C0AQ3DL

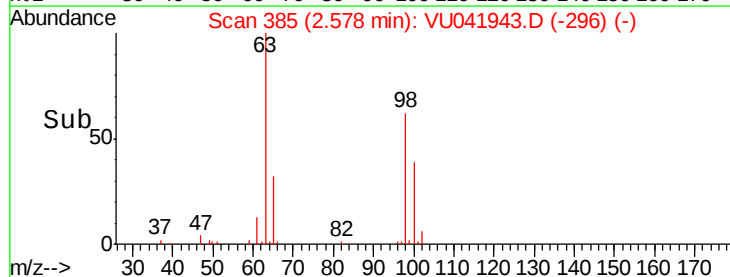
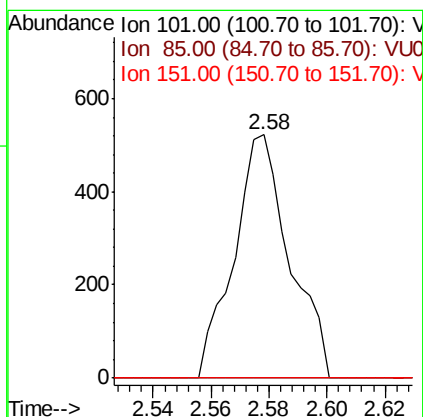
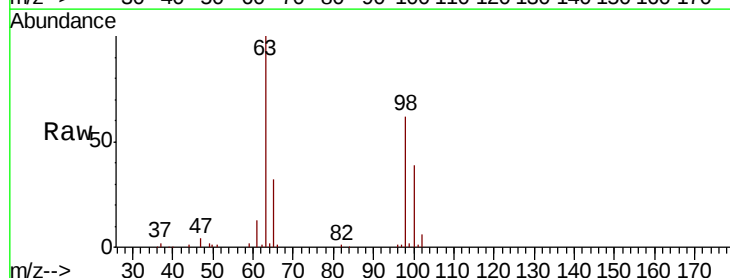
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Ion Ratio Lower Upper
101 100
103 66.7 51.3 76.9

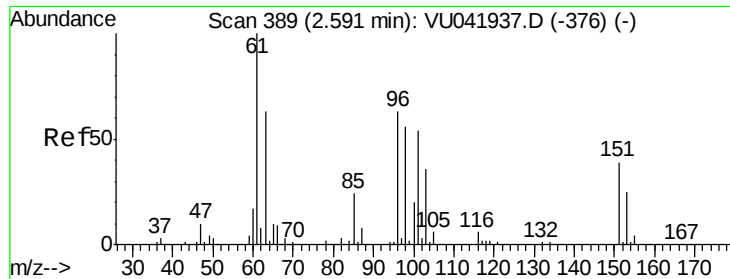


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.080 ug/L
RT: 2.58 min Scan# 385
Delta R.T. -0.01 min
Lab File: VU041943.D
Acq: 12 Jan 2021 00:36

Tgt Ion:101 Resp: 695
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 58.2 87.2#

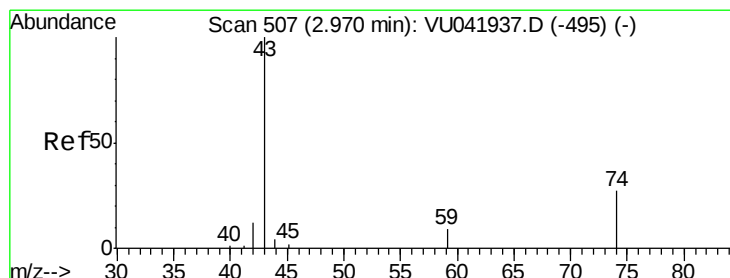
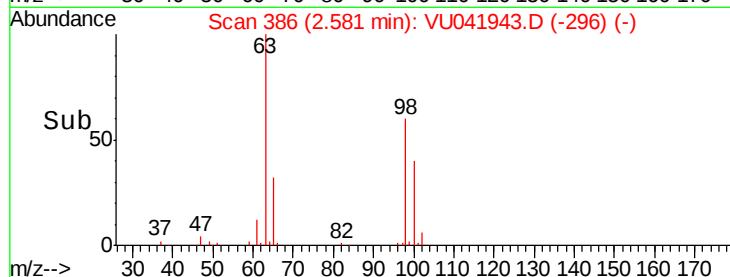
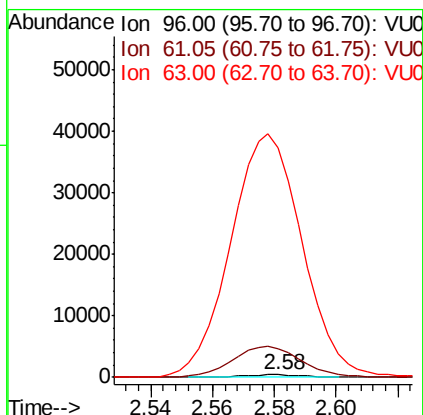
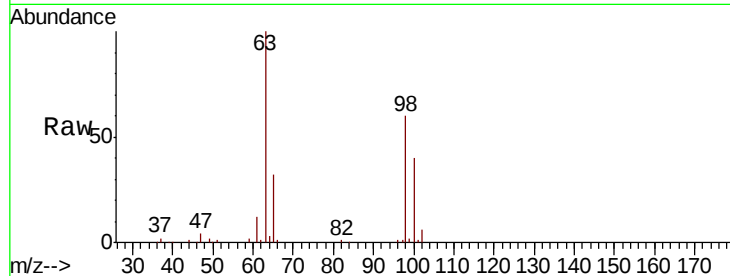




#12
 1,1-Dichloroethene
 Concen: 0.064 ug/L
 RT: 2.58 min Scan# 386
 Delta R.T. -0.01 min
 Lab File: VU041943.D
 Acq: 12 Jan 2021 00:36

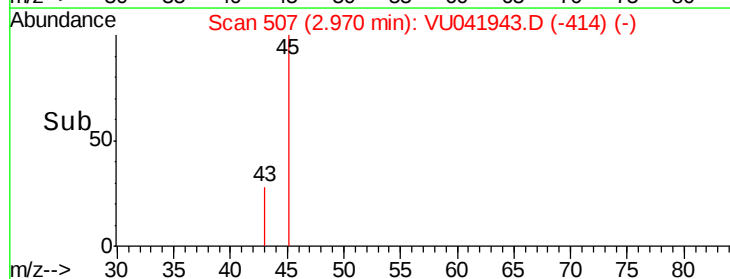
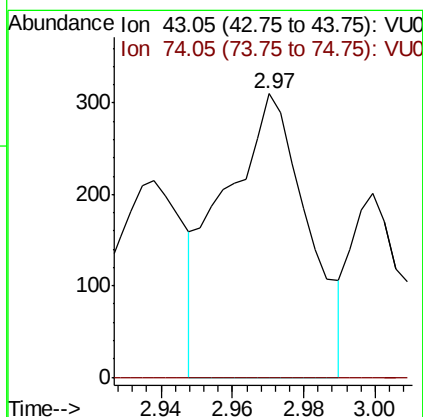
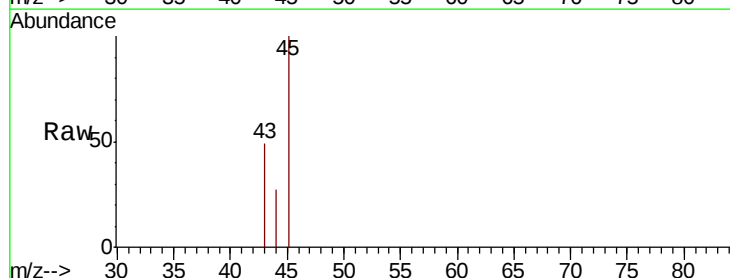
Instrument :
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 ClientSampleId :
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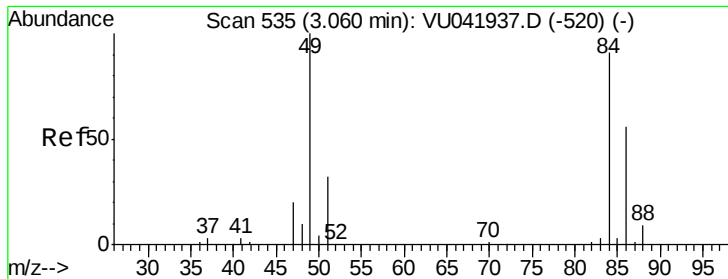
Tot Ion: 96 Resp: 543
 Ion Ratio Lower Upper
 96 100
 61 1117.8 123.5 229.4#
 63 9012.0 93.5 173.7#



#15
 Methyl Acetate
 Concen: 0.135 ug/L
 RT: 2.97 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VU041943.D
 Acq: 12 Jan 2021 00:36

Tgt Ion: 43 Resp: 505
 Ion Ratio Lower Upper
 43 100
 74 0.0 19.8 29.8#

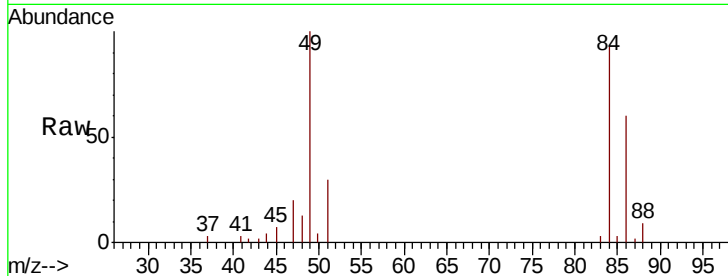




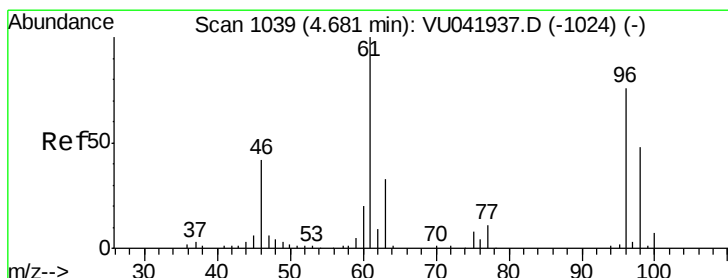
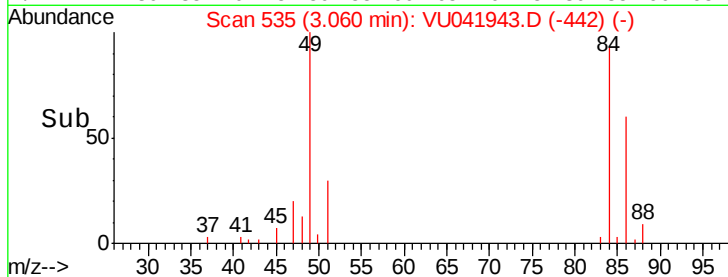
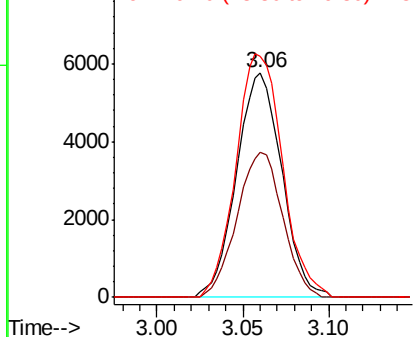
#16
Methylene chloride
Concen: 0.992 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041943.D
Acq: 12 Jan 2021 00:36

Instrument :
MSVOA_U
ClientSampleId :
C0AQ3DL

Tot Ion: 84 Resp: 10536
Ion Ratio Lower Upper
84 100
86 64.4 43.5 80.7
49 107.1 81.8 151.8

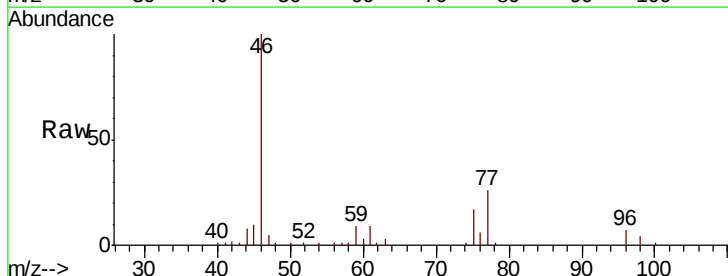


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

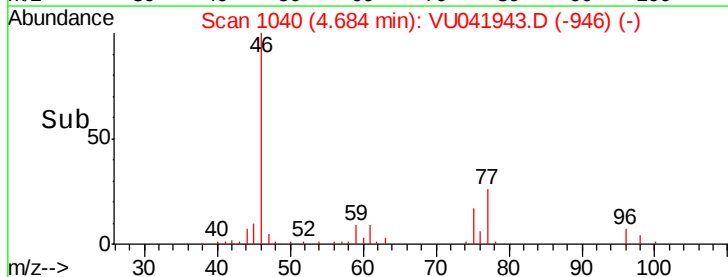
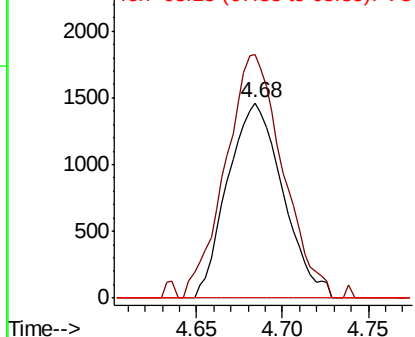


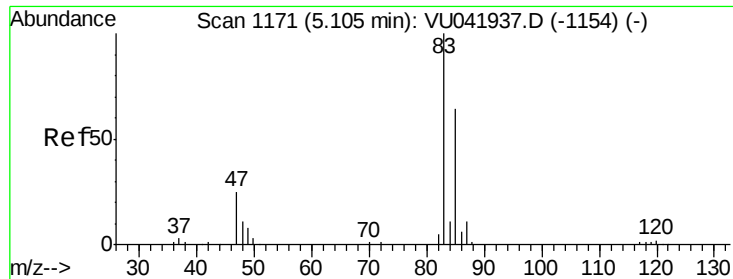
#22
cis-1,2-Dichloroethene
Concen: 0.373 ug/L
RT: 4.68 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VU041943.D
Acq: 12 Jan 2021 00:36

Tgt Ion: 96 Resp: 3270
Ion Ratio Lower Upper
96 100
61 124.8 90.3 167.7
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0

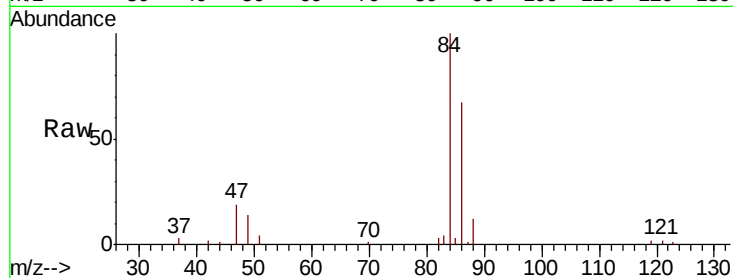




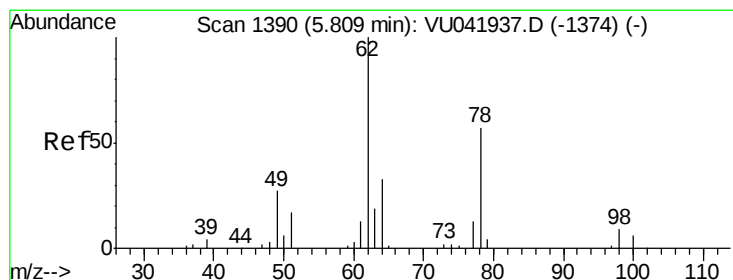
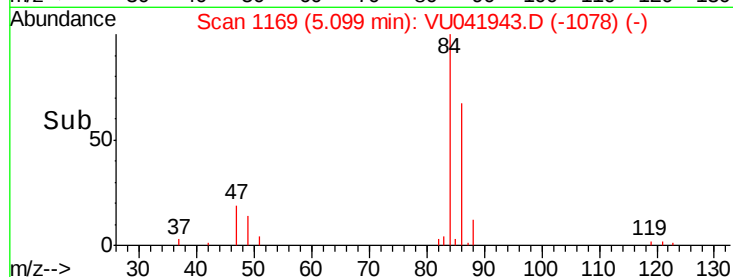
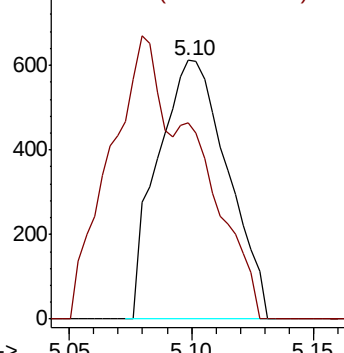
#25
Chloroform
Concen: 0.076 ug/L
RT: 5.10 min Scan# 1169
Delta R.T. -0.01 min
Lab File: VU041943.D
Acq: 12 Jan 2021 00:36

Instrument :
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Tot Ion: 83 Resp: 1217
Ion Ratio Lower Upper
83 100
85 75.8 45.1 83.9

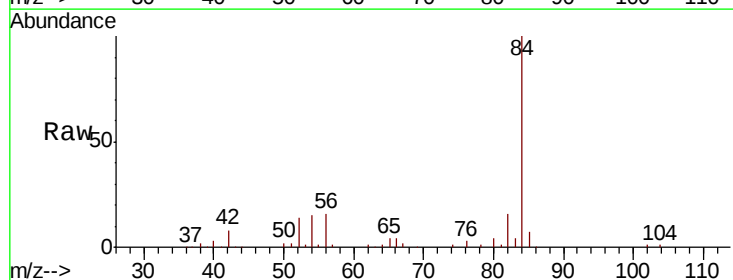


Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

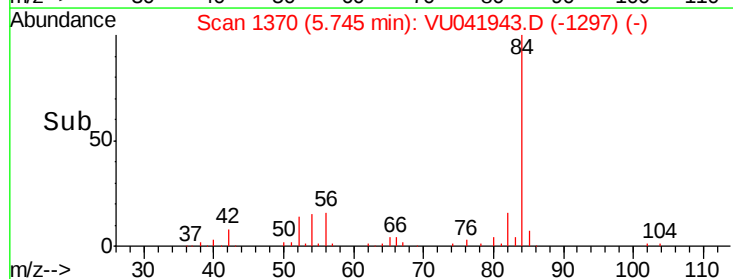
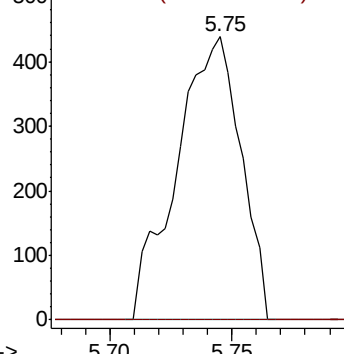


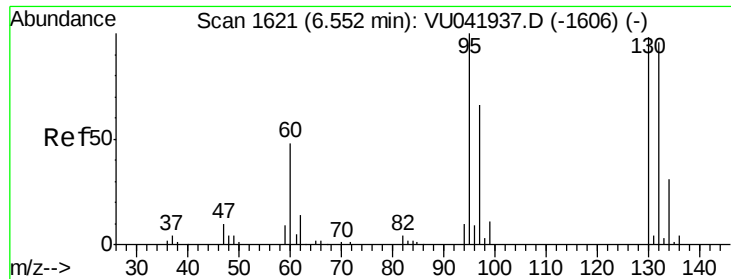
#27
1,2-Dichloroethane
Concen: 0.078 ug/L
RT: 5.75 min Scan# 1370
Delta R.T. -0.06 min
Lab File: VU041943.D
Acq: 12 Jan 2021 00:36

Tgt Ion: 62 Resp: 802
Ion Ratio Lower Upper
62 100
98 0.0 7.8 11.8#



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 98.05 (97.75 to 98.75): VU0

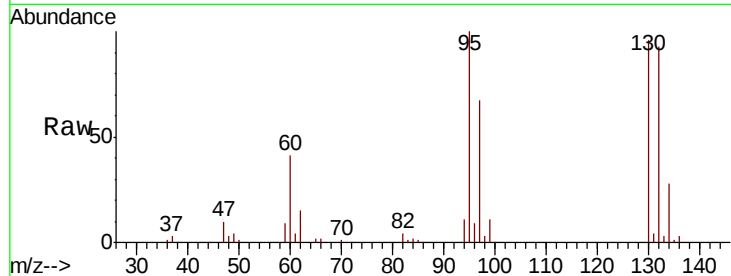




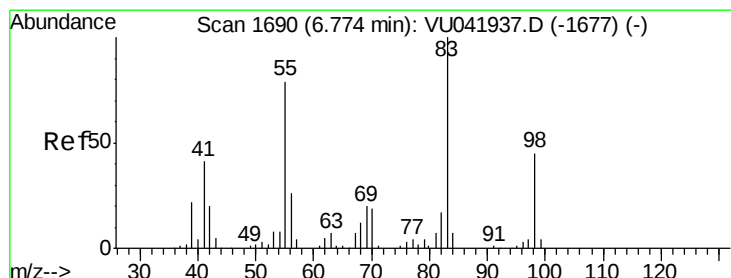
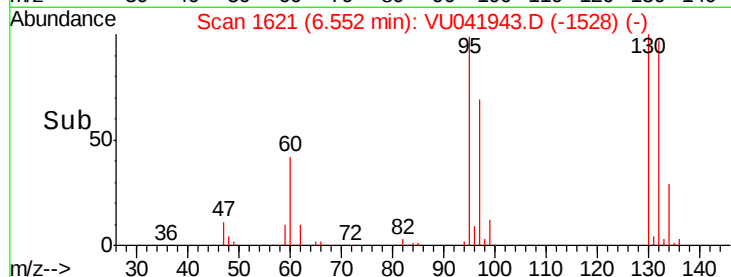
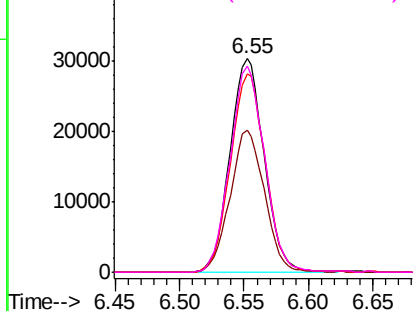
#34
 Trichloroethene
 Concen: 6.036 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041943.D
 Acq: 12 Jan 2021 00:36

Instrument :
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Tot Ion: 95 Resp: 55833
 Ion Ratio Lower Upper
 95 100
 97 66.7 45.2 84.0
 132 93.1 68.7 127.5
 130 96.2 68.0 126.4

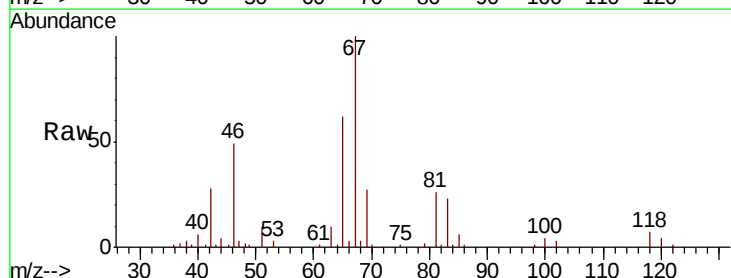


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

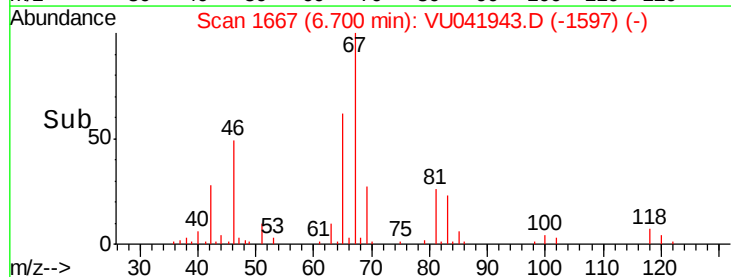
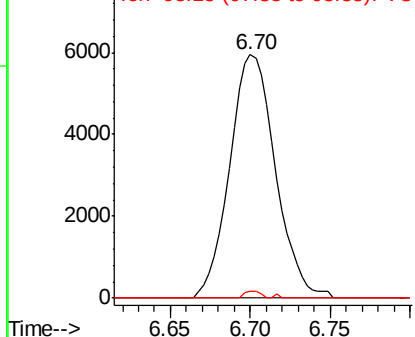


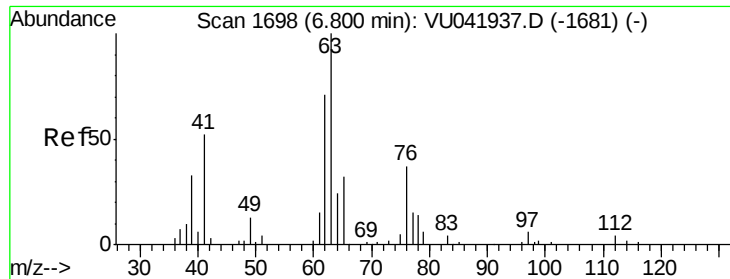
#35
 Methylcyclohexane
 Concen: 0.852 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.07 min
 Lab File: VU041943.D
 Acq: 12 Jan 2021 00:36

Tgt Ion: 83 Resp: 11582
 Ion Ratio Lower Upper
 83 100
 55 0.0 64.3 96.5#
 98 0.9 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

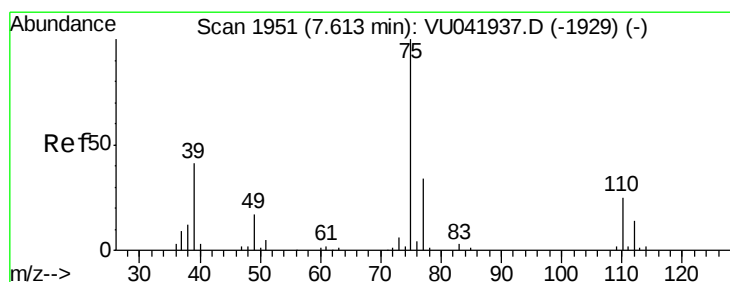
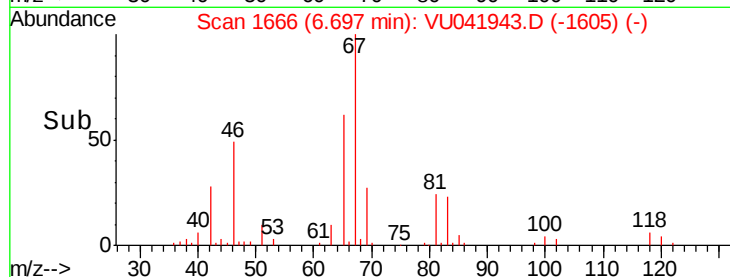
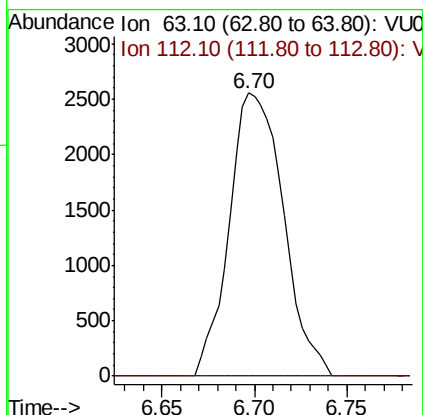
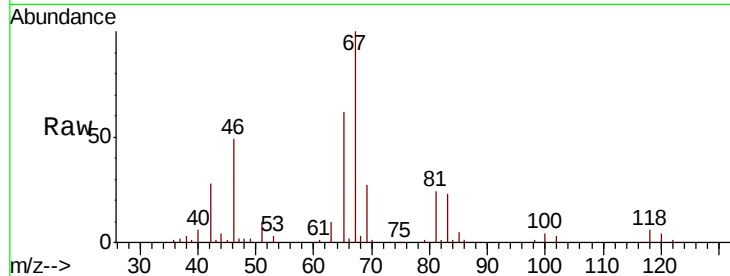




#37
 1,2-Dichloropropane
 Concen: 0.589 ug/L
 RT: 6.70 min Scan# 1666
 Delta R.T. -0.10 min
 Lab File: VU041943.D
 Acq: 12 Jan 2021 00:36

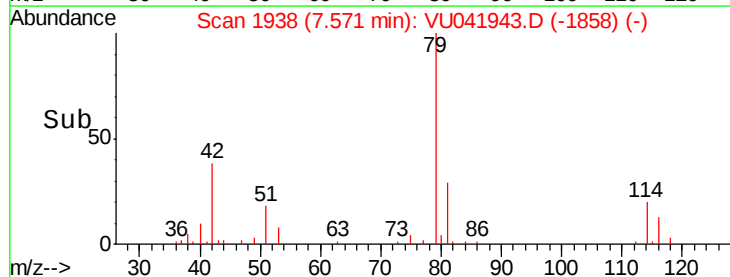
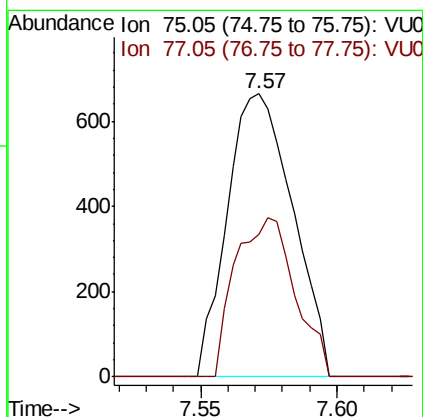
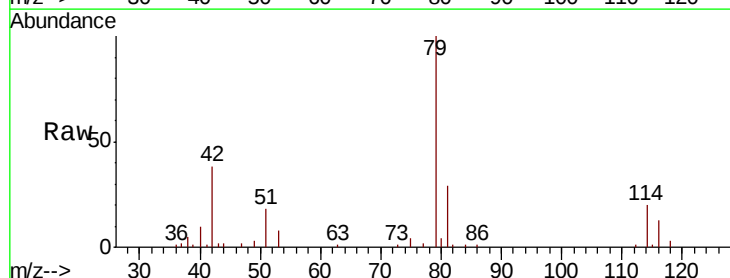
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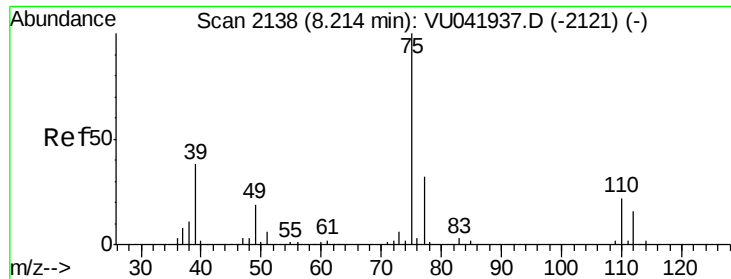
Tot Ion: 63 Resp: 5177
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.3 4.9#



#39
 cis-1,3-Dichloropropene
 Concen: 0.085 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041943.D
 Acq: 12 Jan 2021 00:36

Tgt Ion: 75 Resp: 1109
 Ion Ratio Lower Upper
 75 100
 77 50.5 21.5 39.9#

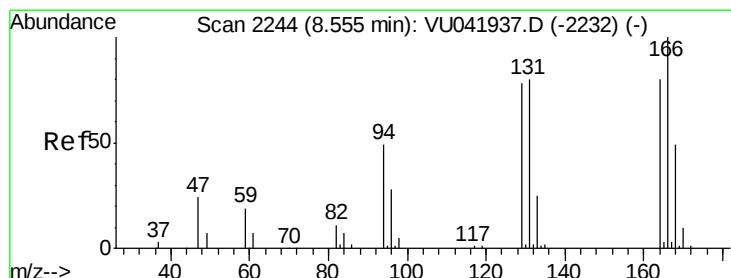
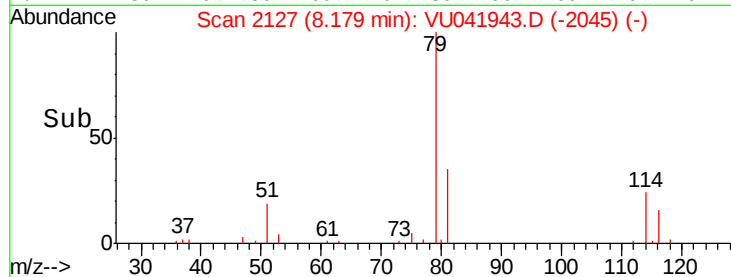
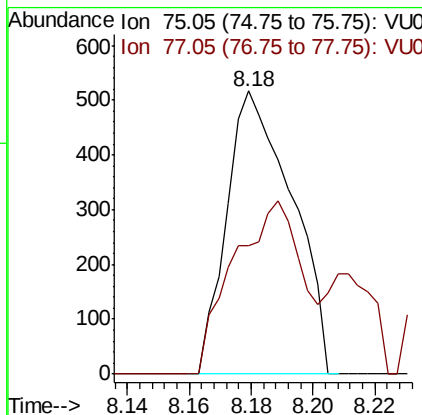
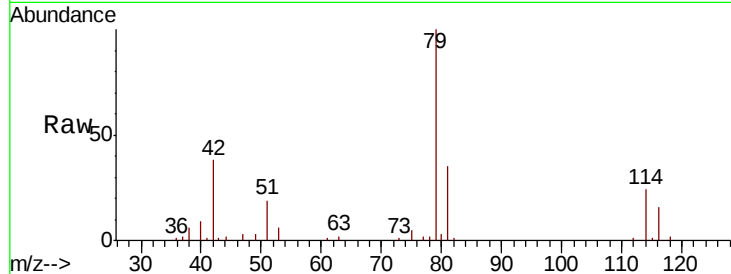




#44
trans-1,3-Dichloropropene
Concen: 0.066 ug/L
RT: 8.18 min Scan# 2127
Delta R.T. -0.04 min
Lab File: VU041943.D
Acq: 12 Jan 2021 00:36

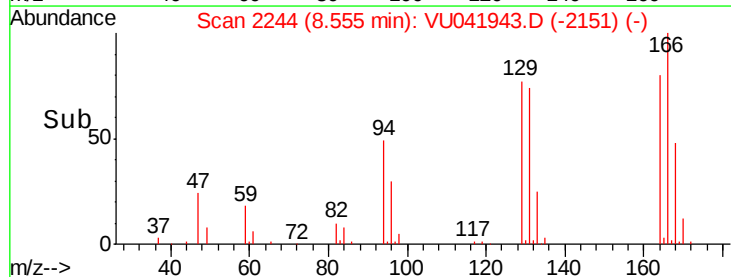
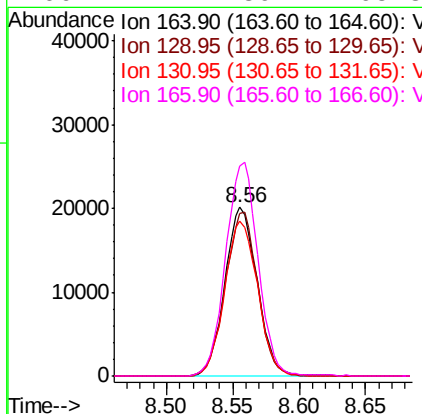
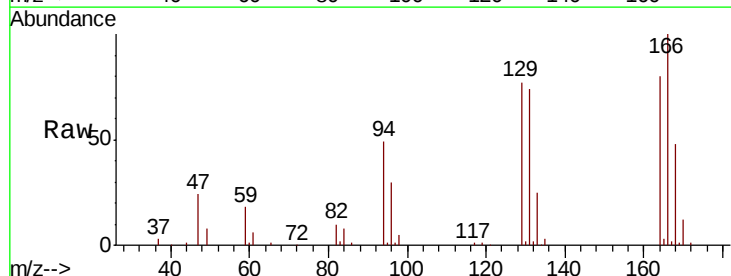
Instrument :
MSVOA_U
ClientSampleId :
C0AQ3DL

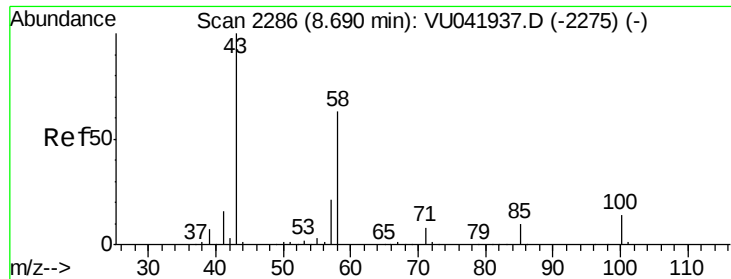
Tot Ion: 75 Resp: 758
Ion Ratio Lower Upper
75 100
77 45.3 23.7 44.1#



#47
Tetrachloroethene
Concen: 5.308 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VU041943.D
Acq: 12 Jan 2021 00:36

Tgt Ion:164 Resp: 34166
Ion Ratio Lower Upper
164 100
129 96.3 69.2 128.6
131 91.8 69.7 129.5
166 124.7 89.2 165.8

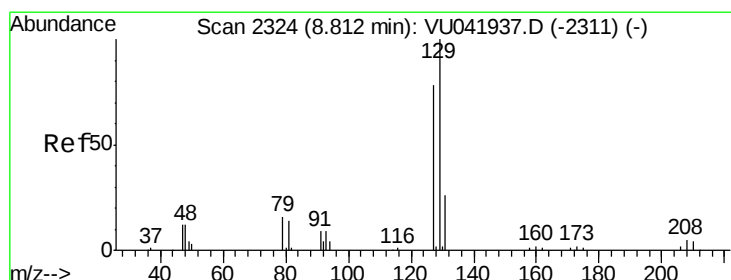
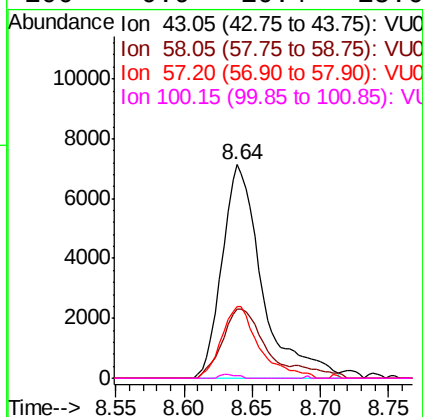
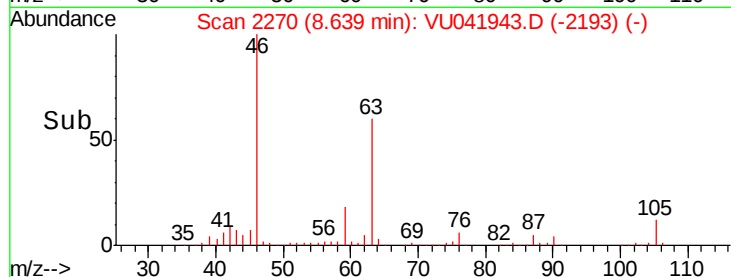
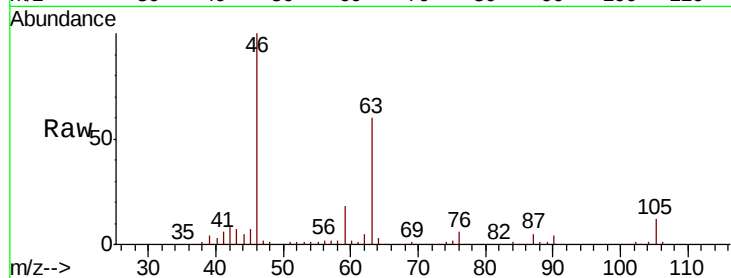




#48
2-Hexanone
Concen: 3.533 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041943.D
Acq: 12 Jan 2021 00:36

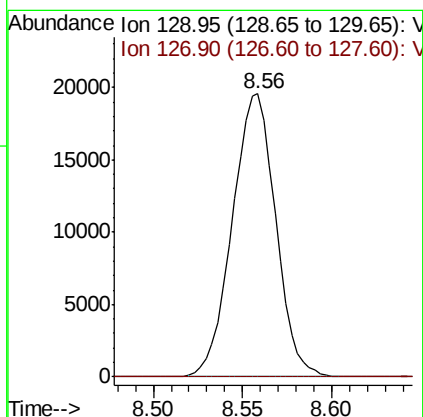
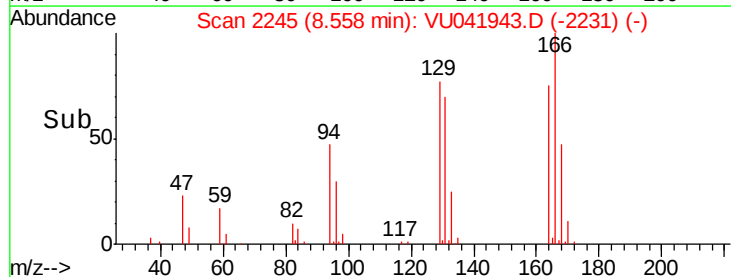
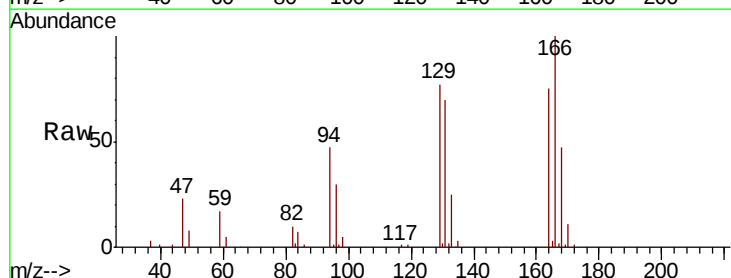
Instrument :
MSVOA_U
ClientSampleId :
C0AQ3DL

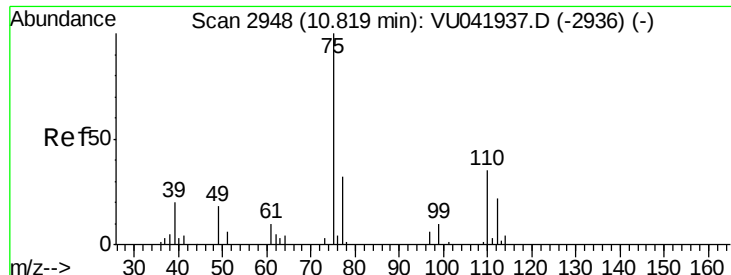
Tot Ion: 43 Resp: 14530
Ion Ratio Lower Upper
43 100
58 32.8 47.6 71.4#
57 31.6 17.1 25.7#
100 0.9 10.4 15.6#



#49
Dibromochloromethane
Concen: 4.033 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.25 min
Lab File: VU041943.D
Acq: 12 Jan 2021 00:36

Tgt Ion: 129 Resp: 33072
Ion Ratio Lower Upper
129 100
127 0.0 54.9 101.9#





#59

1,2,3-Trichloropropane

Concen: 0.781 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041943.D

Acq: 12 Jan 2021 00:36

Instrument :

MSVOA_U

ClientSampleId :

C0AQ3DL

Tot Ion: 75 Resp: 5014

Ion Ratio Lower Upper

75 100

77 39.3 27.0 40.4

