

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012021\
 Data File : VU042112.D
 Acq On : 20 Jan 2021 17:48
 Operator : SY/MD
 Sample : M1164-02DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXP9DL

Quant Time: Jan 21 04:24:42 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR012021WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jan 21 04:09:50 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

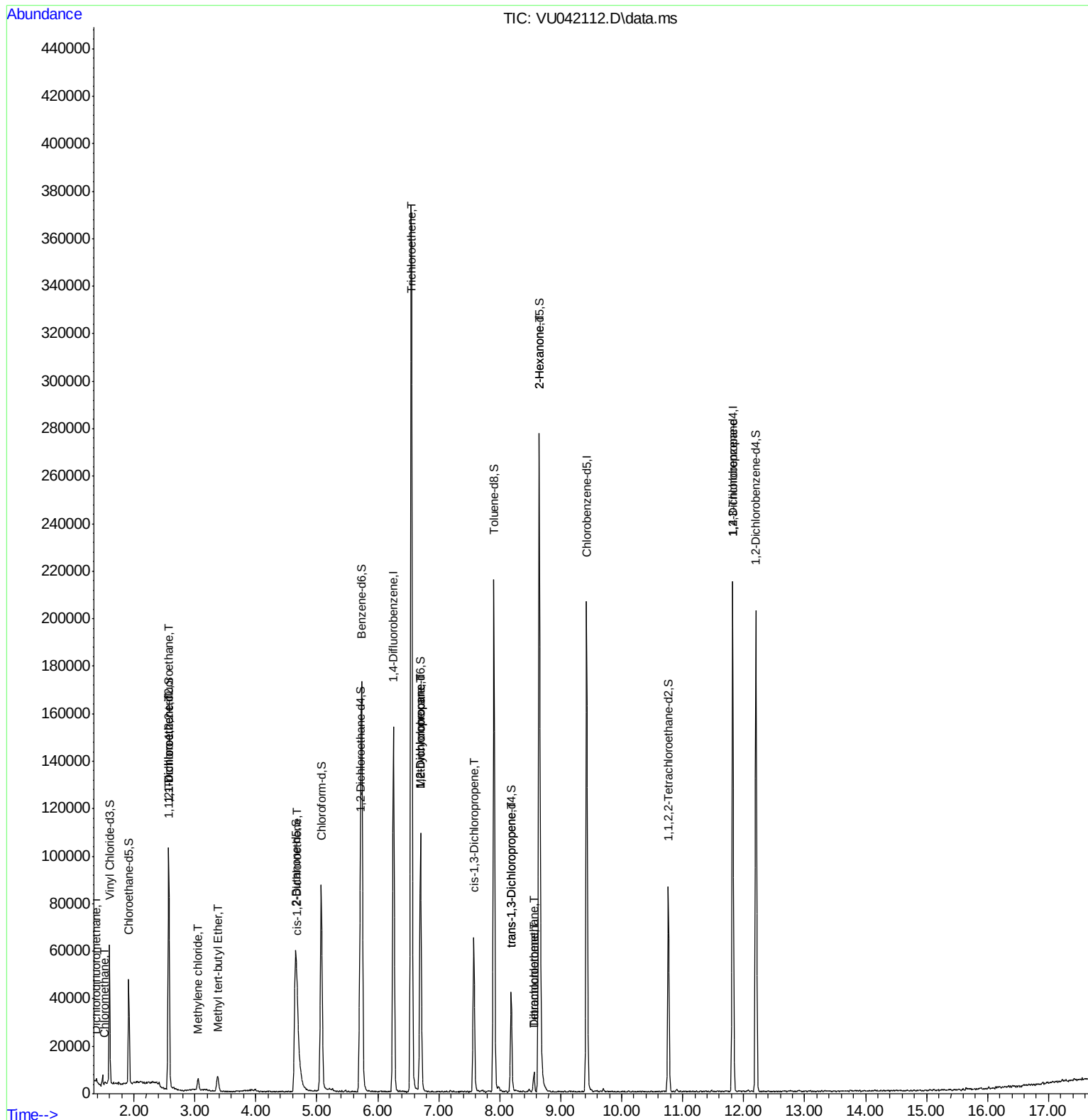
Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	121385	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.427	117	113185	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.822	152	56578	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	37819	4.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.60%
7) Chloroethane-d5	1.916	69	30313	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.20%
11) 1,1-Dichloroethene-d2	2.572	63	62044	3.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.00%
20) 2-Butanone-d5	4.652	46	151473	53.01	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.02%
24) Chloroform-d	5.073	84	76925	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	5.713	65	48998	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
32) Benzene-d6	5.735	84	147556	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
36) 1,2-Dichloropropane-d6	6.700	67	48292	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.40%
41) Toluene-d8	7.906	98	135721	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
43) trans-1,3-Dichloroprop...	8.189	79	23220	4.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.20%
46) 2-Hexanone-d5	8.645	63	110111	52.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.68%
57) 1,1,2,2-Tetrachloroeth...	10.764	84	41627	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.80%
64) 1,2-Dichlorobenzene-d4	12.201	152	52827	5.20	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.00%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	635	0.06	ug/L	90
3) Chloromethane	1.520	50	660	0.06	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	420	0.05	ug/L #	18
12) 1,1-Dichloroethene	2.572	96	795	0.10	ug/L #	1
16) Methylene chloride	3.051	84	1974	0.20	ug/L	93
17) Methyl tert-butyl Ether	3.372	73	7033	0.30	ug/L #	90
22) cis-1,2-Dichloroethene	4.674	96	2034	0.22	ug/L	98
34) Trichloroethene	6.549	95	123157	13.71	ug/L	98
35) Methylcyclohexane	6.700	83	11608	0.77	ug/L #	15
37) 1,2-Dichloropropane	6.700	63	5821	0.66	ug/L #	87
39) cis-1,3-Dichloropropene	7.575	75	1655	0.11	ug/L #	76
44) trans-1,3-Dichloropropene	8.189	75	1017	0.08	ug/L #	43
47) Tetrachloroethene	8.562	164	1944	0.26	ug/L	89
48) 2-Hexanone	8.645	43	16646	3.19	ug/L #	68
49) Dibromochloromethane	8.562	129	1713	0.20	ug/L #	12
59) 1,2,3-Trichloropropane	11.819	75	6454	1.04	ug/L	97

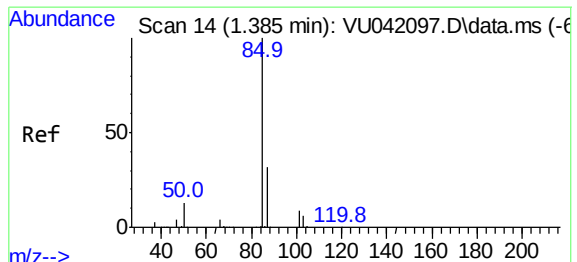
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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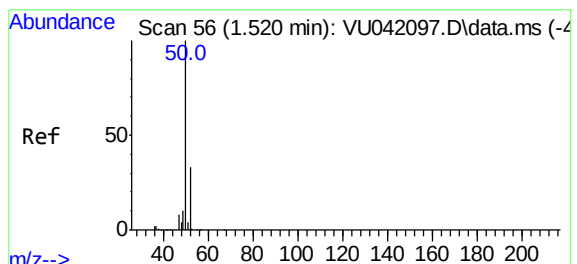
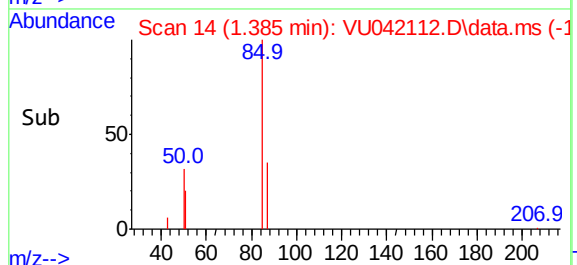
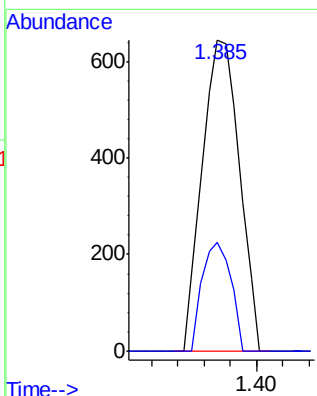
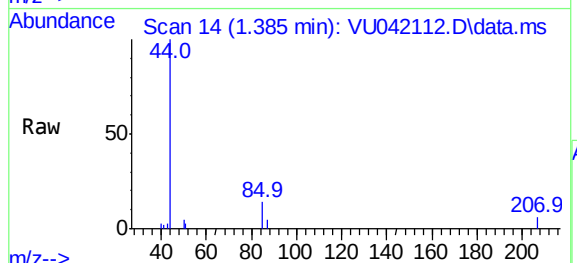




#2
Dichlorodifluoromethane
Concen: 0.06 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU042112.D
Acq: 20 Jan 2021 17:48

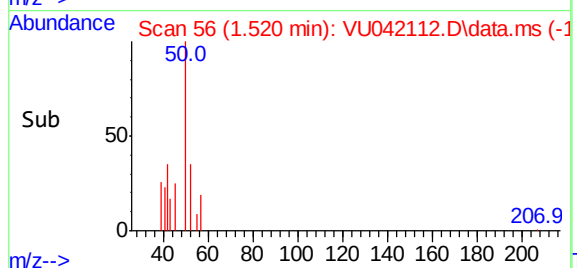
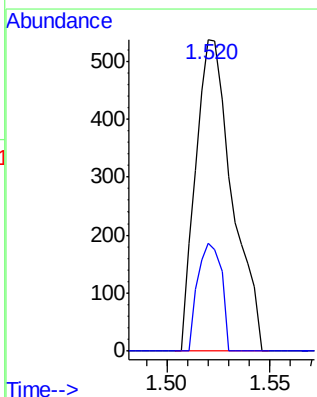
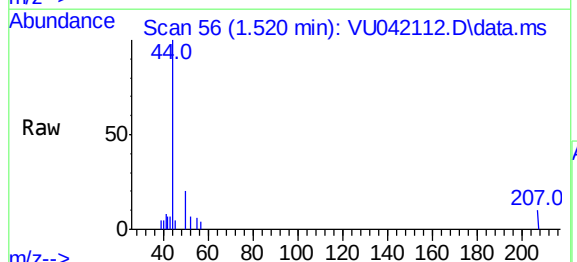
Instrument :
MSVOA_U
ClientSampleId :
BFXP9DL

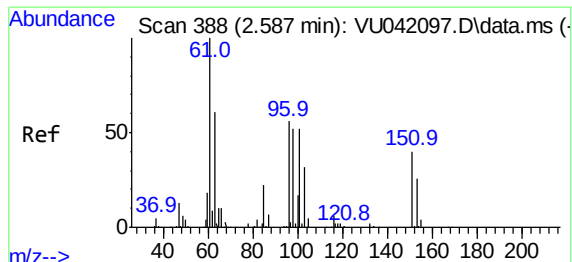
Tgt Ion: 85 Resp: 635
Ion Ratio Lower Upper
85 100
87 26.9 26.1 39.1



#3
Chloromethane
Concen: 0.06 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU042112.D
Acq: 20 Jan 2021 17:48

Tgt Ion: 50 Resp: 660
Ion Ratio Lower Upper
50 100
52 34.6 23.0 42.8

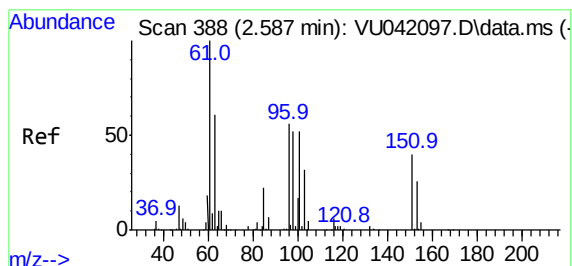
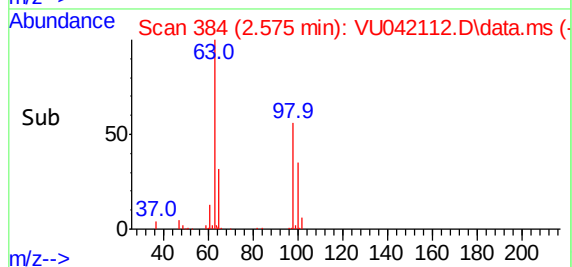
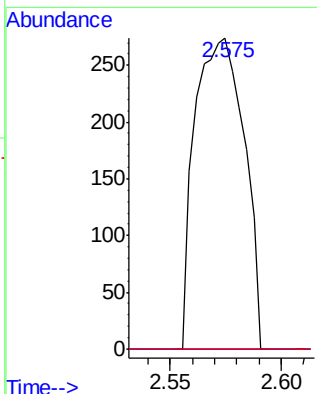
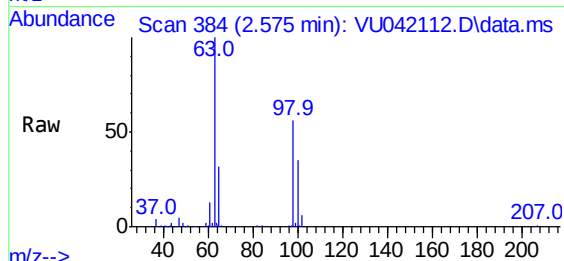




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.05 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.013 min
 Lab File: VU042112.D
 Acq: 20 Jan 2021 17:48

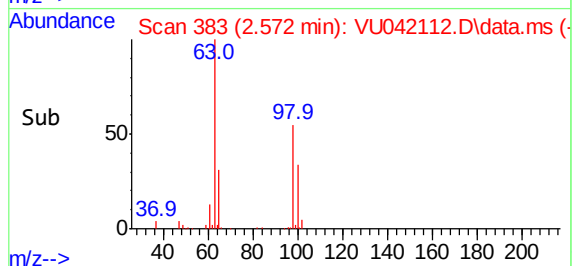
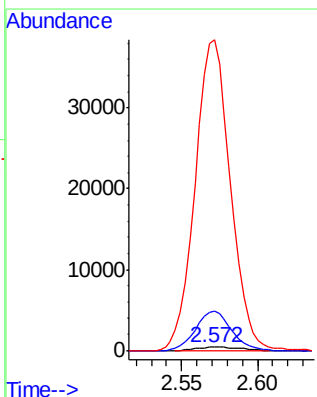
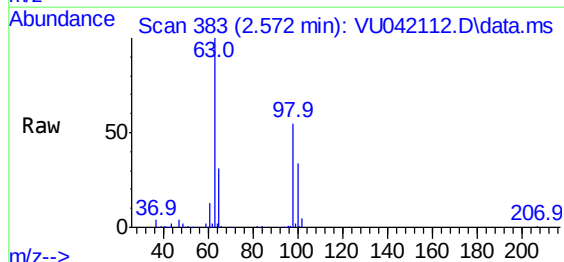
Instrument :
 MSVOA_U
 ClientSampleId :
 BFXP9DL

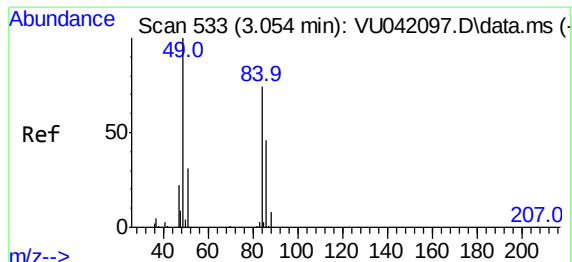
Tgt Ion:101 Resp: 420
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.6 51.8#
 151 0.0 62.7 94.1#



#12
 1,1-Dichloroethene
 Concen: 0.10 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.016 min
 Lab File: VU042112.D
 Acq: 20 Jan 2021 17:48

Tgt Ion: 96 Resp: 795
 Ion Ratio Lower Upper
 96 100
 61 1297.9 126.2 234.4#
 63 10198.4 77.8 144.4#



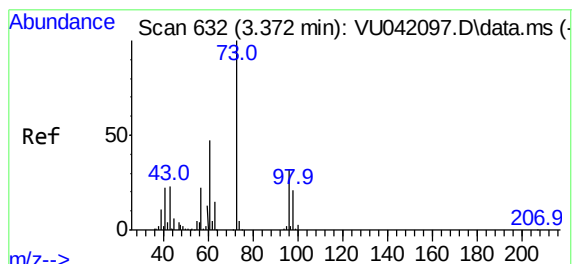
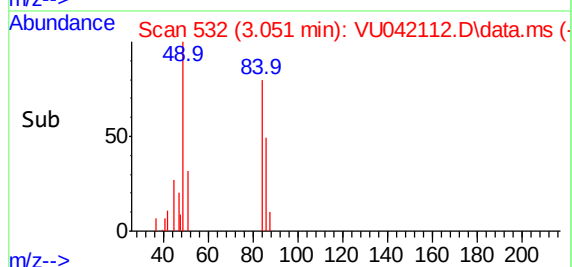
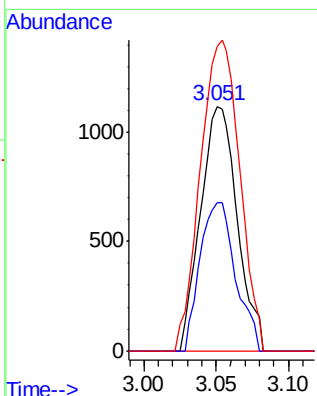
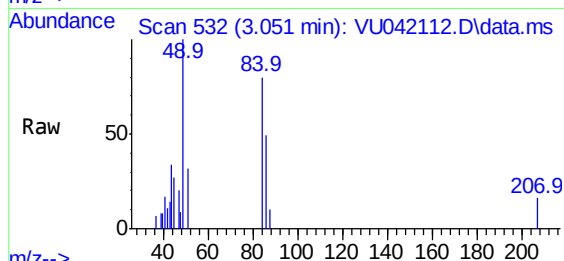


#16
Methylene chloride
Concen: 0.20 ug/L
RT: 3.051 min Scan# 532
Delta R.T. -0.003 min
Lab File: VU042112.D
Acq: 20 Jan 2021 17:48

Instrument :
MSVOA_U
ClientSampleId :
BFXP9DL

Tgt Ion: 84 Resp: 1974

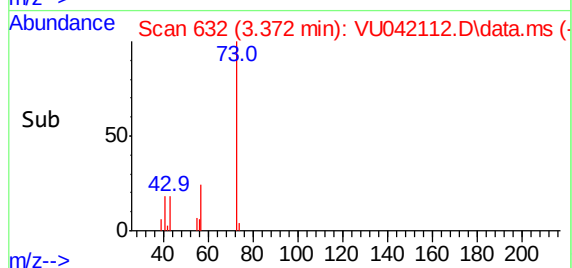
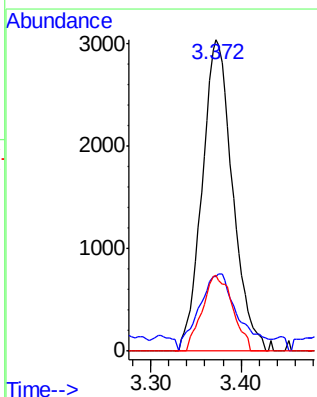
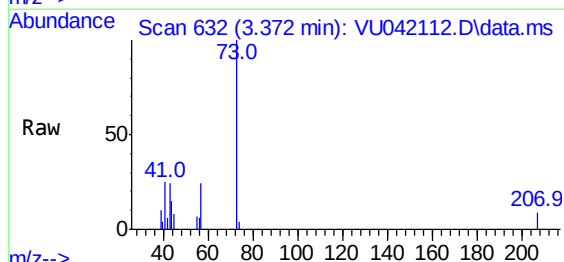
Ion	Ratio	Lower	Upper
84	100		
86	60.4	44.1	81.9
49	124.5	95.0	176.4

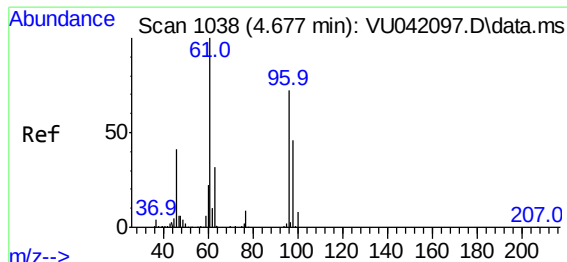


#17
Methyl tert-butyl Ether
Concen: 0.30 ug/L
RT: 3.372 min Scan# 632
Delta R.T. 0.000 min
Lab File: VU042112.D
Acq: 20 Jan 2021 17:48

Tgt Ion: 73 Resp: 7033

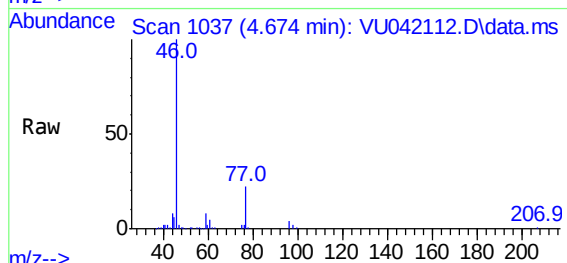
Ion	Ratio	Lower	Upper
73	100		
43	32.2	18.9	28.3#
57	24.1	18.2	27.4





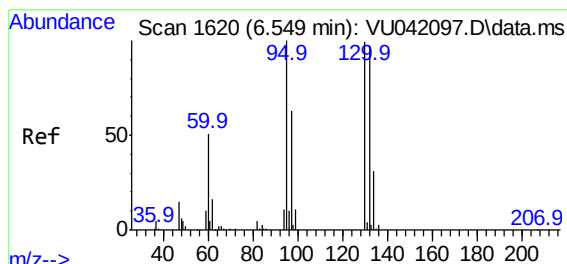
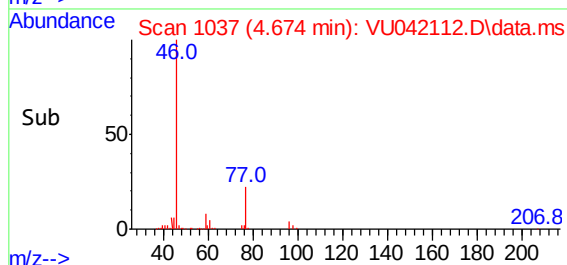
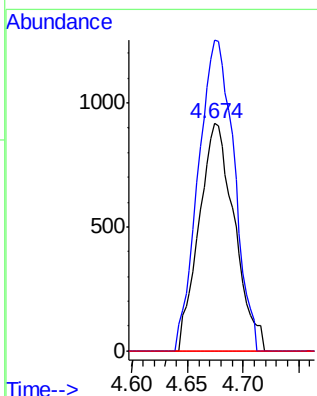
#22
 cis-1,2-Dichloroethene
 Concen: 0.22 ug/L
 RT: 4.674 min Scan# 1037
 Delta R.T. -0.003 min
 Lab File: VU042112.D
 Acq: 20 Jan 2021 17:48

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXP9DL



Tgt Ion: 96 Resp: 2034

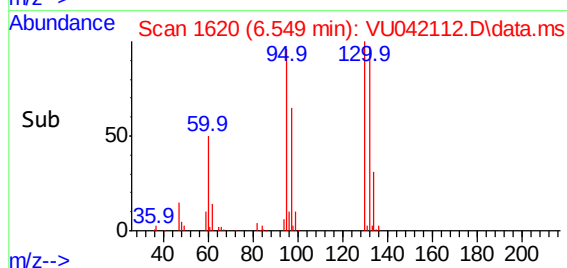
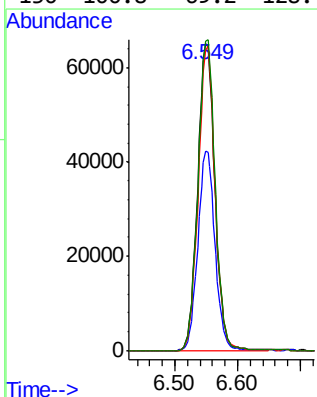
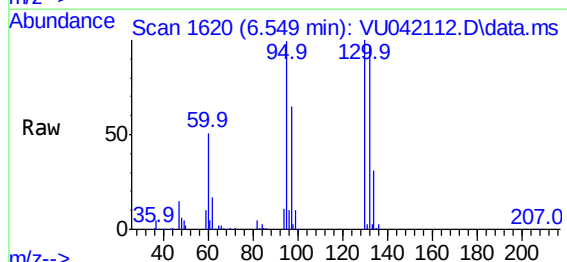
Ion	Ratio	Lower	Upper
96	100		
61	136.8	97.8	181.6
68	0.0	0.0	0.0

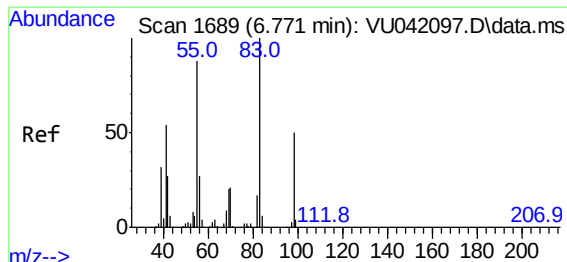


#34
 Trichloroethene
 Concen: 13.71 ug/L
 RT: 6.549 min Scan# 1620
 Delta R.T. 0.000 min
 Lab File: VU042112.D
 Acq: 20 Jan 2021 17:48

Tgt Ion: 95 Resp: 123157

Ion	Ratio	Lower	Upper
95	100		
97	65.2	44.4	82.4
132	97.9	68.0	126.4
130	100.8	69.2	128.4

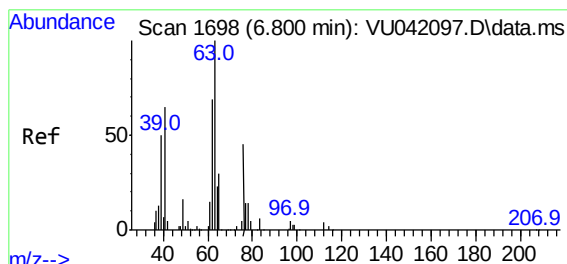
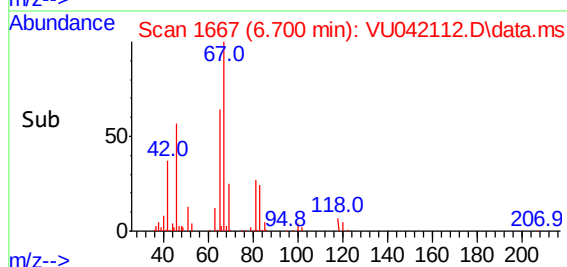
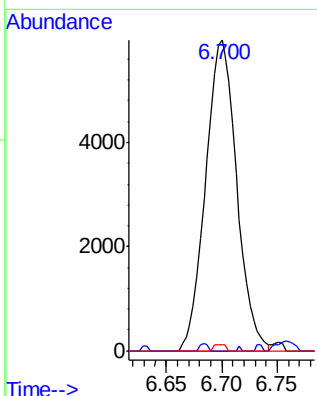
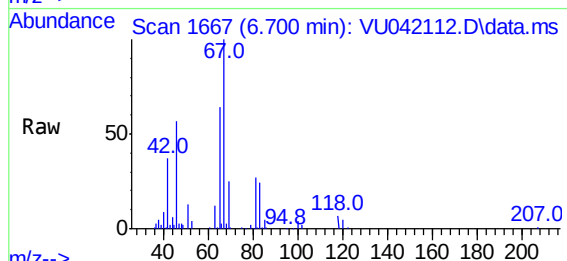




#35
Methylcyclohexane
Concen: 0.77 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.071 min
Lab File: VU042112.D
Acq: 20 Jan 2021 17:48

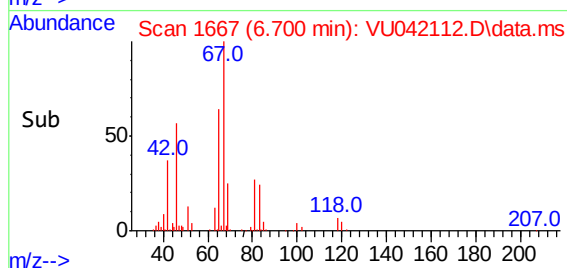
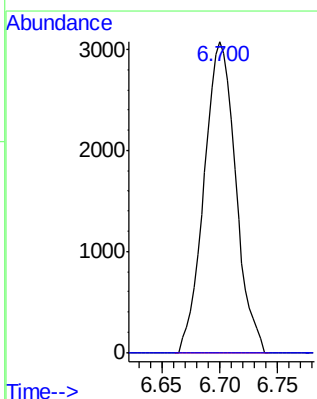
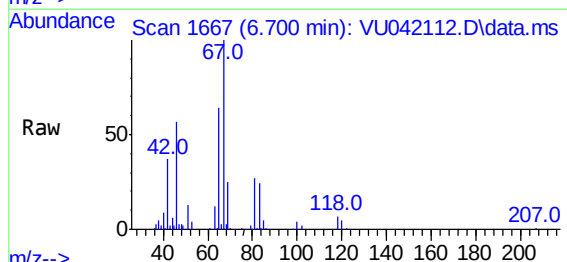
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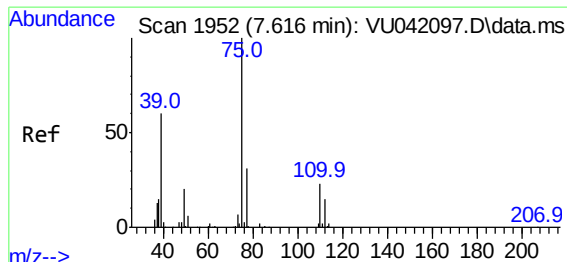
Tgt Ion: 83 Resp: 11608
Ion Ratio Lower Upper
83 100
55 0.6 68.2 102.4#
98 0.8 39.7 59.5#



#37
1,2-Dichloropropane
Concen: 0.66 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.100 min
Lab File: VU042112.D
Acq: 20 Jan 2021 17:48

Tgt Ion: 63 Resp: 5821
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#

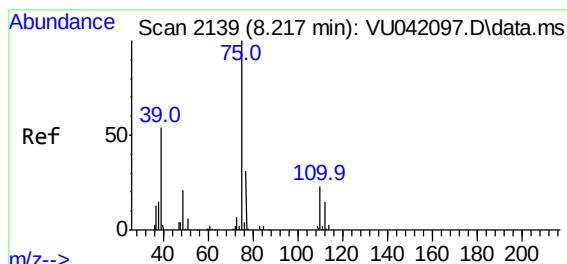
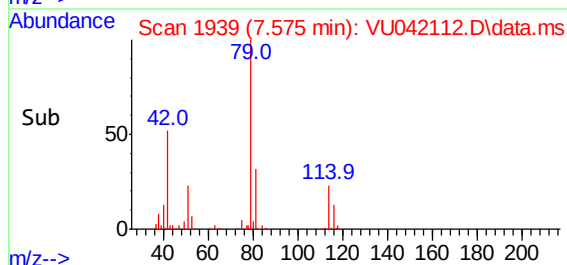
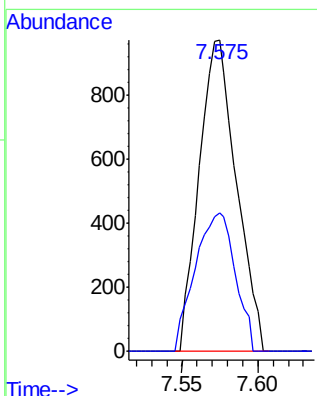
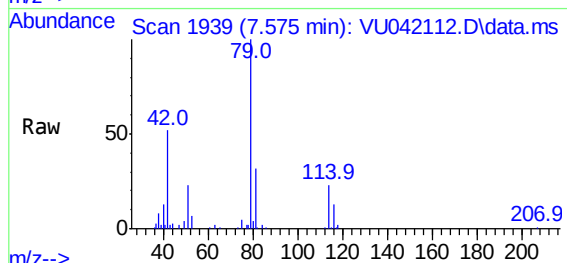




#39
cis-1,3-Dichloropropene
Concen: 0.11 ug/L
RT: 7.575 min Scan# 1939
Delta R.T. -0.042 min
Lab File: VU042112.D
Acq: 20 Jan 2021 17:48

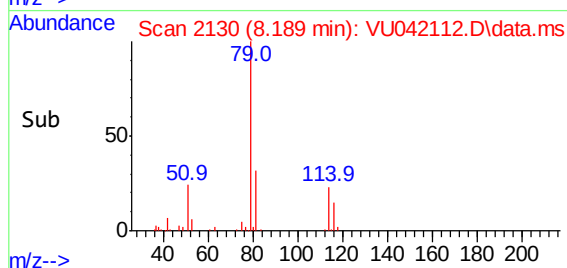
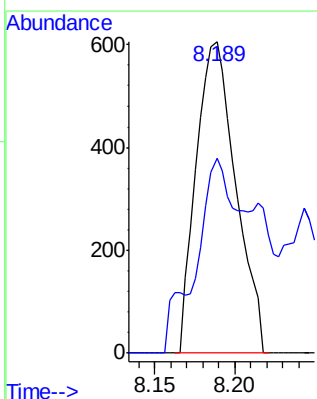
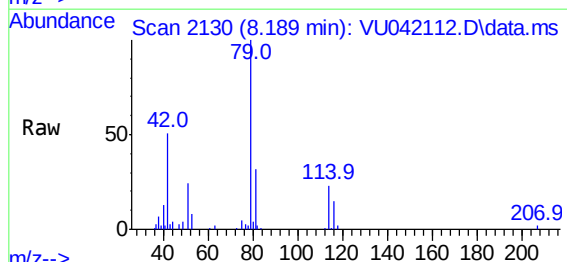
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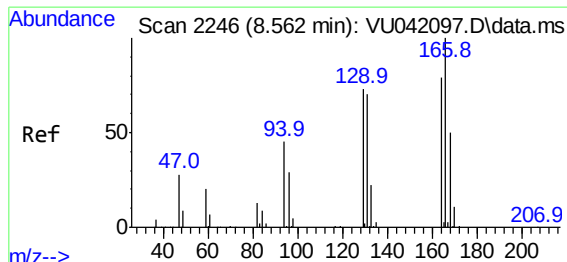
Tgt Ion: 75 Resp: 1655
Ion Ratio Lower Upper
75 100
77 44.6 22.0 40.8#



#44
trans-1,3-Dichloropropene
Concen: 0.08 ug/L
RT: 8.189 min Scan# 2130
Delta R.T. -0.029 min
Lab File: VU042112.D
Acq: 20 Jan 2021 17:48

Tgt Ion: 75 Resp: 1017
Ion Ratio Lower Upper
75 100
77 62.7 21.8 40.4#





#47

Tetrachloroethene

Concen: 0.26 ug/L

RT: 8.562 min Scan# 2246

Delta R.T. 0.000 min

Lab File: VU042112.D

Acq: 20 Jan 2021 17:48

Tgt Ion:164 Resp: 1944

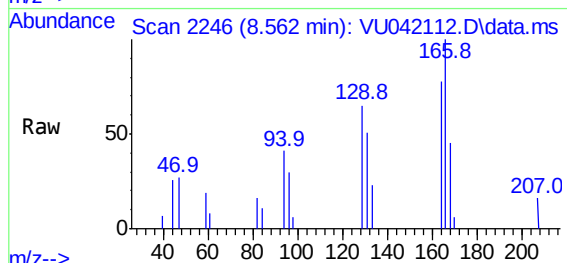
Ion Ratio Lower Upper

164 100

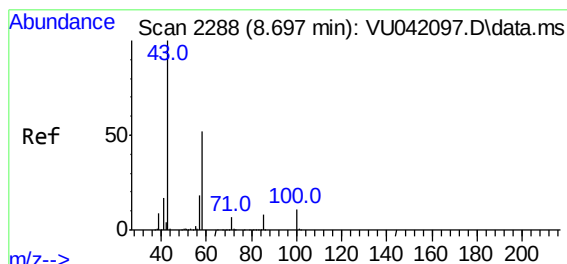
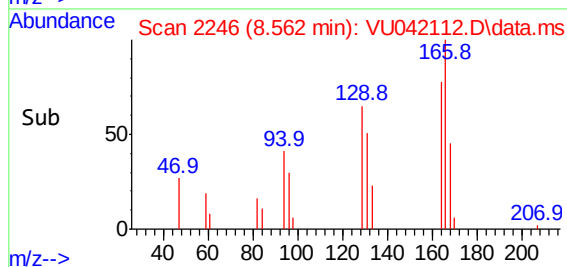
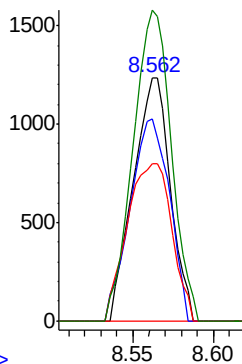
129 82.8 64.3 119.5

131 64.6 62.2 115.6

166 127.6 88.6 164.6



Abundance



#48

2-Hexanone

Concen: 3.19 ug/L

RT: 8.645 min Scan# 2272

Delta R.T. -0.051 min

Lab File: VU042112.D

Acq: 20 Jan 2021 17:48

Tgt Ion: 43 Resp: 16646

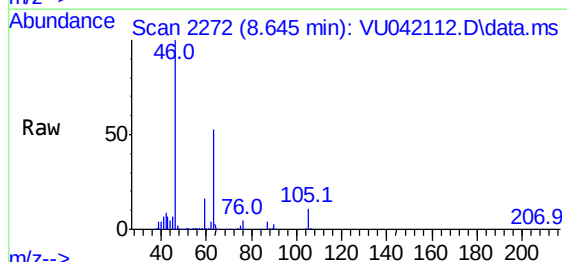
Ion Ratio Lower Upper

43 100

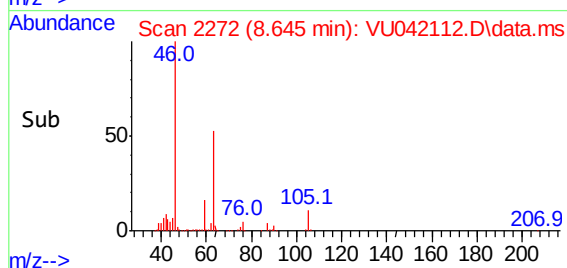
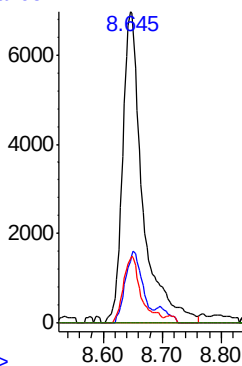
58 19.8 40.6 61.0#

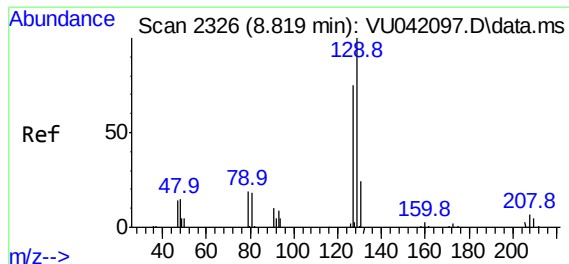
57 18.7 14.9 22.3

100 0.0 8.6 12.8#



Abundance

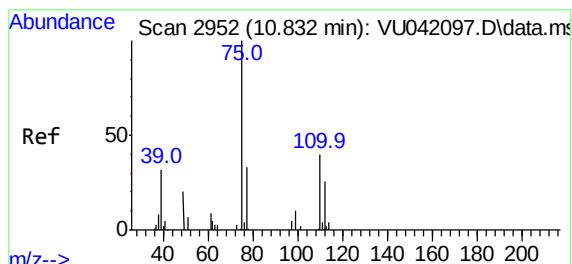
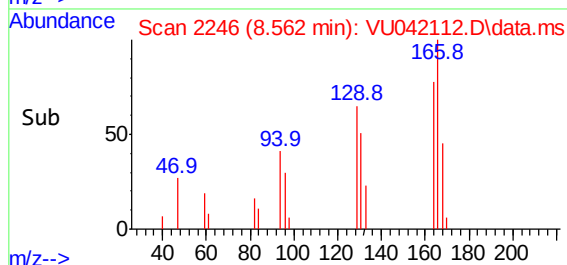
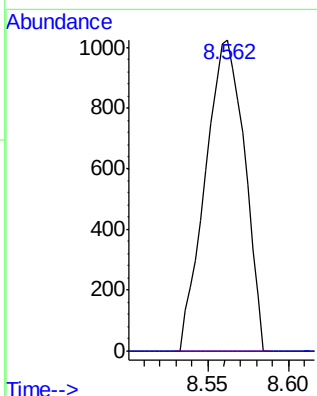
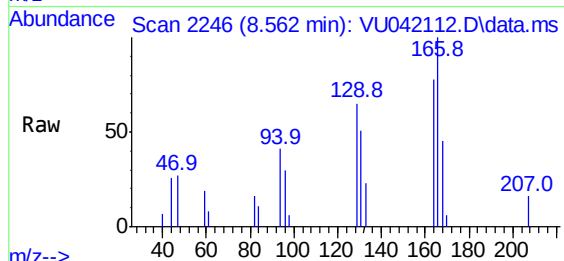




#49
Dibromochloromethane
Concen: 0.20 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. -0.257 min
Lab File: VU042112.D
Acq: 20 Jan 2021 17:48

Instrument :
MSVOA_U
ClientSampleId :
BFXP9DL

Tgt Ion:129 Resp: 1713
Ion Ratio Lower Upper
129 100
127 0.0 52.3 97.1#



#59
1,2,3-Trichloropropane
Concen: 1.04 ug/L
RT: 11.819 min Scan# 3259
Delta R.T. 0.987 min
Lab File: VU042112.D
Acq: 20 Jan 2021 17:48

Tgt Ion: 75 Resp: 6454
Ion Ratio Lower Upper
75 100
77 34.4 26.0 39.0

