

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012021\
 Data File : VU042111.D
 Acq On : 20 Jan 2021 17:24
 Operator : SY/MD
 Sample : M1164-01DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXP8DL

Quant Time: Jan 21 04:24:19 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)

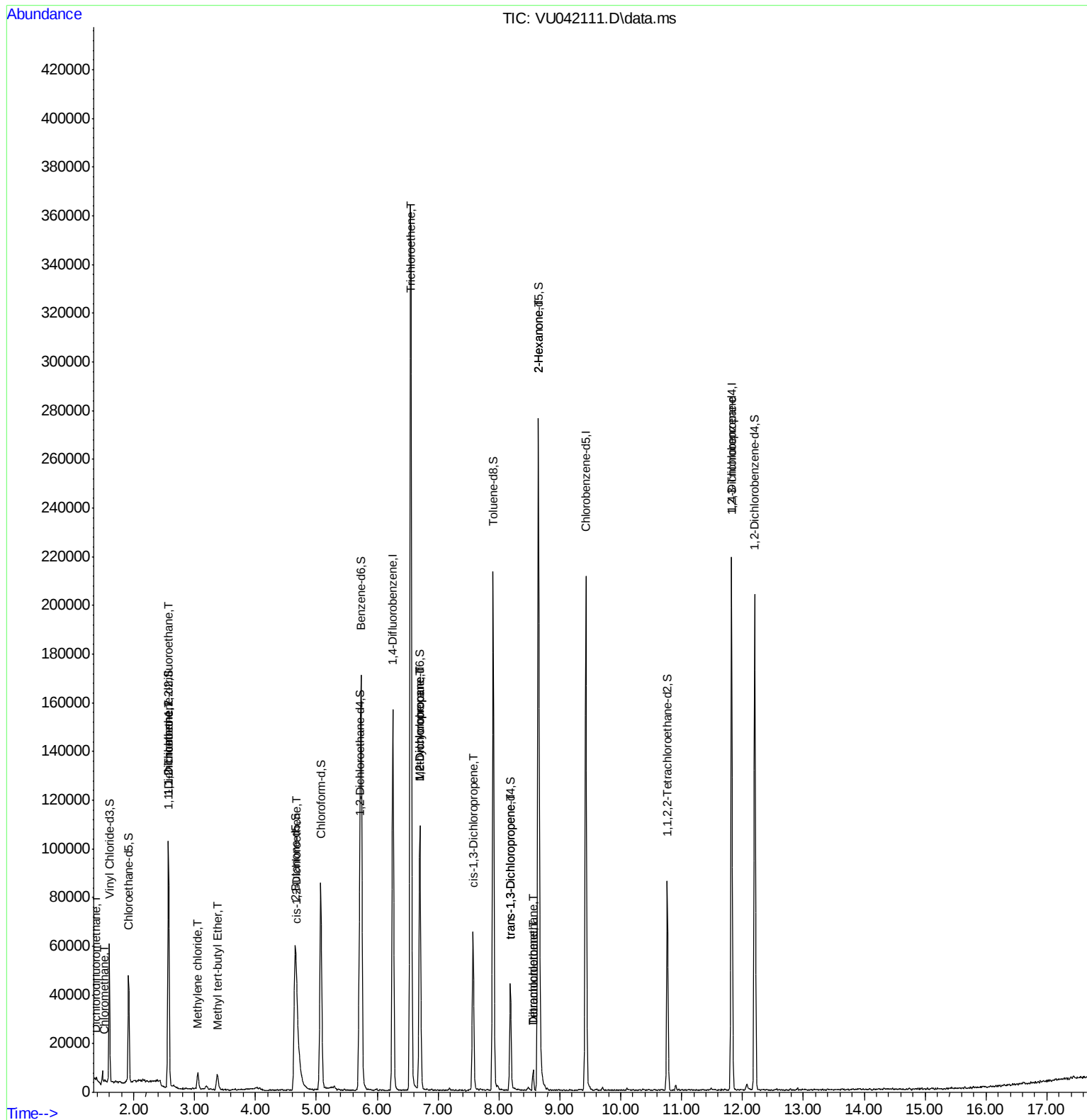
Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	122818	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.426	117	114454	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.822	152	58431	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	36703	4.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.60%
7) Chloroethane-d5	1.916	69	30295	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.571	63	61936	3.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.00%
20) 2-Butanone-d5	4.655	46	148260	51.28	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.56%
24) Chloroform-d	5.073	84	76705	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	5.713	65	48357	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	5.735	84	146981	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
36) 1,2-Dichloropropane-d6	6.700	67	48176	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.906	98	133526	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
43) trans-1,3-Dichloroprop...	8.189	79	23759	4.86	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.20%
46) 2-Hexanone-d5	8.645	63	110155	51.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.56%
57) 1,1,2,2-Tetrachloroeth...	10.764	84	41253	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.80%
64) 1,2-Dichlorobenzene-d4	12.201	152	52726	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	746	0.06	ug/L #	81
3) Chloromethane	1.520	50	723	0.07	ug/L #	79
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	535	0.06	ug/L #	18
12) 1,1-Dichloroethene	2.575	96	900	0.11	ug/L #	1
16) Methylene chloride	3.051	84	2939	0.30	ug/L	95
17) Methyl tert-butyl Ether	3.372	73	6722	0.28	ug/L #	85
22) cis-1,2-Dichloroethene	4.671	96	1879	0.20	ug/L	96
34) Trichloroethene	6.549	95	120687	13.29	ug/L	99
35) Methylcyclohexane	6.700	83	11275	0.74	ug/L #	16
37) 1,2-Dichloropropane	6.700	63	5886	0.66	ug/L #	87
39) cis-1,3-Dichloropropene	7.574	75	1409	0.10	ug/L #	43
44) trans-1,3-Dichloropropene	8.189	75	1016	0.08	ug/L	94
47) Tetrachloroethene	8.562	164	1769	0.23	ug/L	87
48) 2-Hexanone	8.645	43	16140	3.06	ug/L #	70
49) Dibromochloromethane	8.562	129	1780	0.20	ug/L #	12
59) 1,2,3-Trichloropropane	11.819	75	6580	1.05	ug/L	97

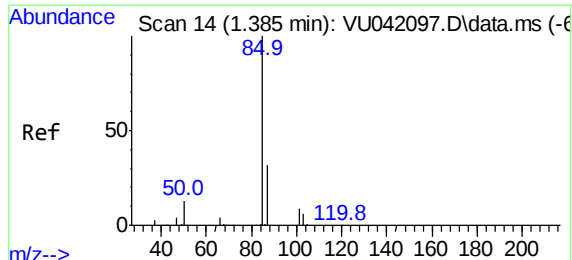
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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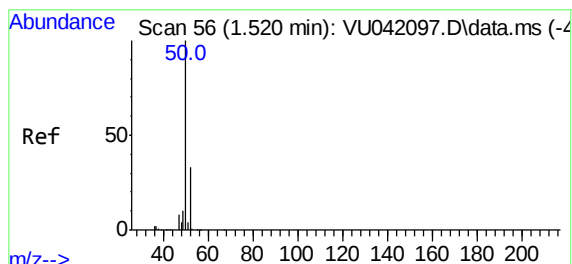
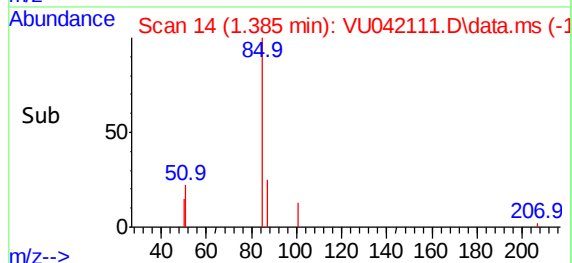
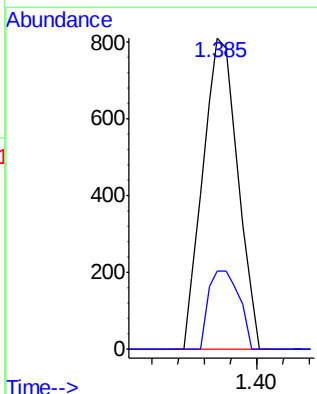
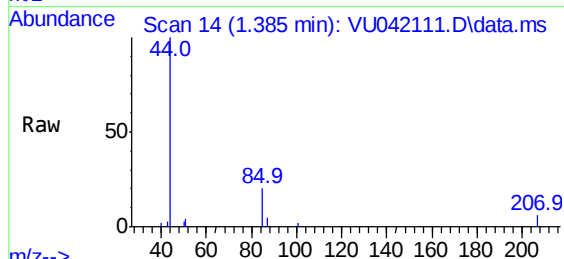


#2

Dichlorodifluoromethane
Concen: 0.06 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU042111.D
Acq: 20 Jan 2021 17:24

Instrument :
MSVOA_U
ClientSampleId :
BFXP8DL

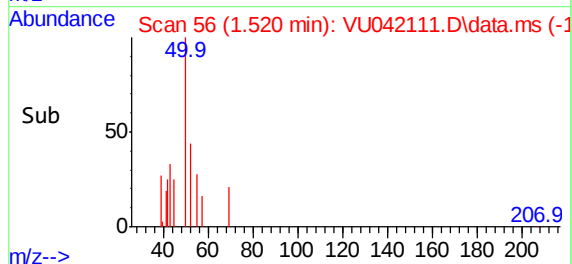
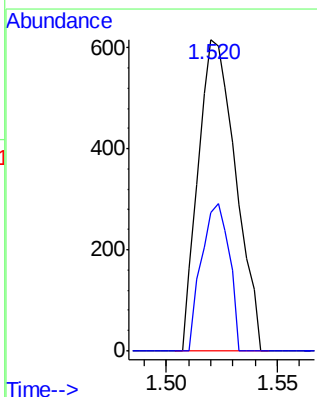
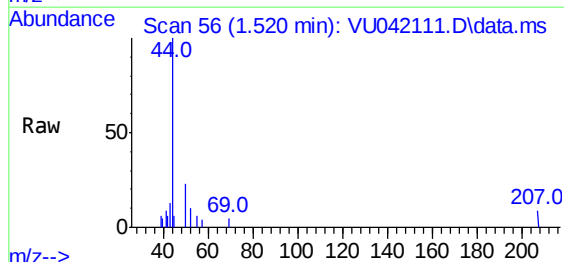
Tgt Ion: 85 Resp: 746
Ion Ratio Lower Upper
85 100
87 22.0 26.1 39.1#

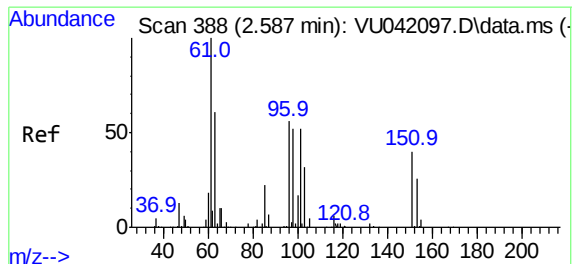


#3

Chloromethane
Concen: 0.07 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU042111.D
Acq: 20 Jan 2021 17:24

Tgt Ion: 50 Resp: 723
Ion Ratio Lower Upper
50 100
52 44.5 23.0 42.8#

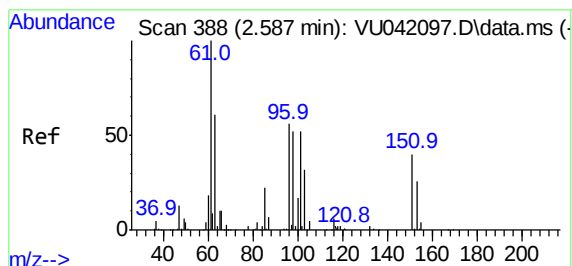
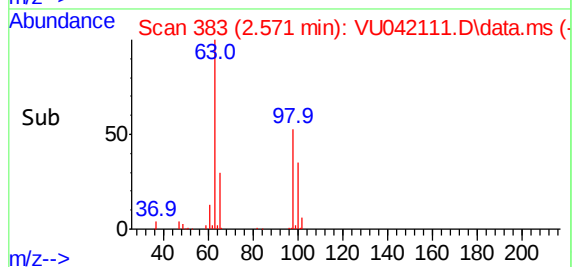
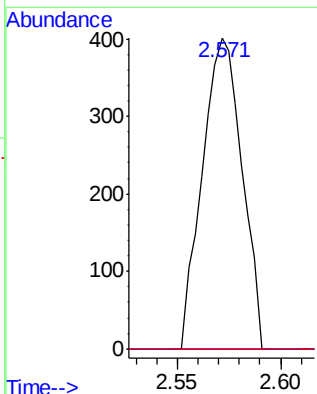
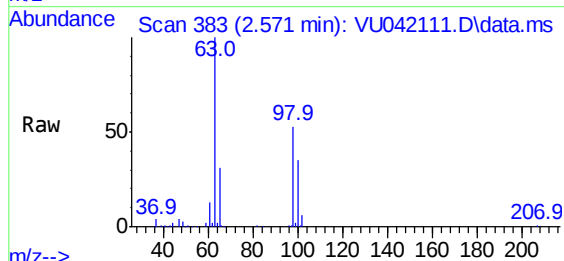




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.06 ug/L
 RT: 2.571 min Scan# 383
 Delta R.T. -0.016 min
 Lab File: VU042111.D
 Acq: 20 Jan 2021 17:24

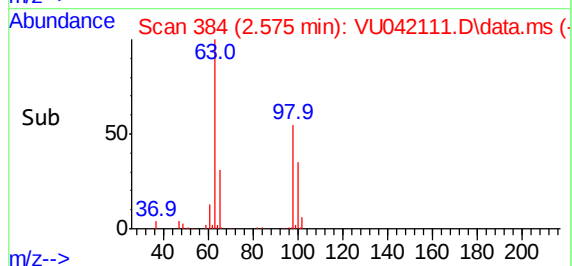
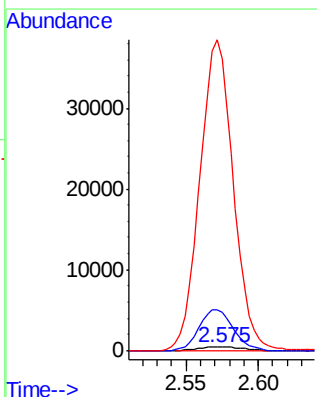
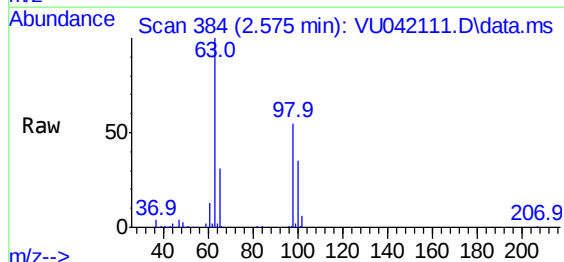
Instrument :
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 ClientSampleId :
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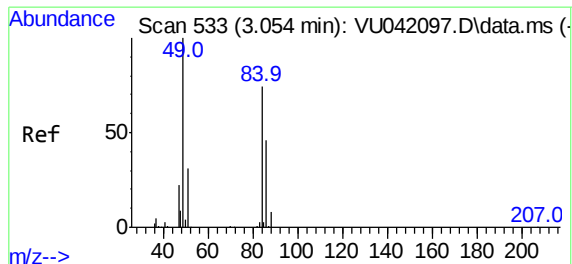
Tgt Ion:101 Resp: 535
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.6 51.8#
 151 0.0 62.7 94.1#



#12
 1,1-Dichloroethene
 Concen: 0.11 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.013 min
 Lab File: VU042111.D
 Acq: 20 Jan 2021 17:24

Tgt Ion: 96 Resp: 900
 Ion Ratio Lower Upper
 96 100
 61 1113.9 126.2 234.4#
 63 8660.3 77.8 144.4#



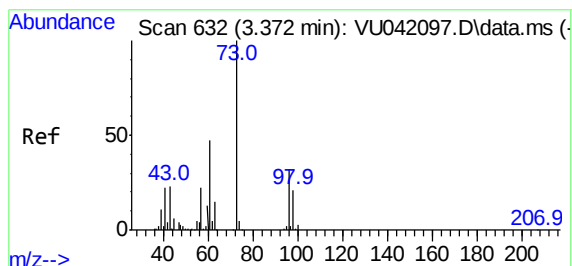
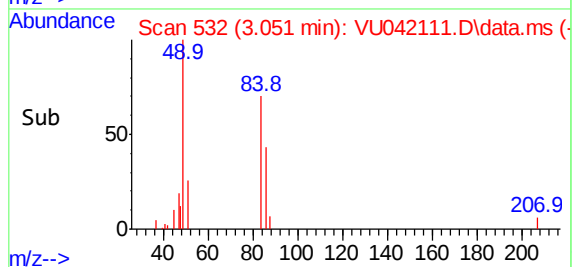
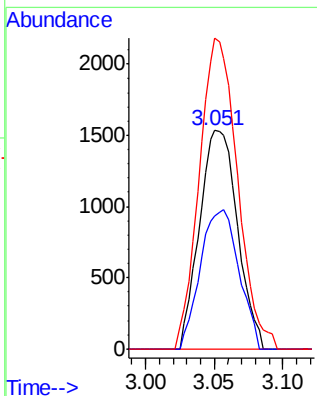
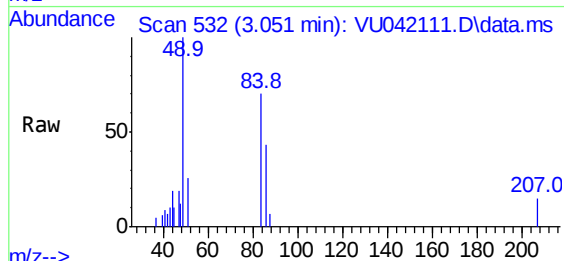


#16
Methylene chloride
Concen: 0.30 ug/L
RT: 3.051 min Scan# 532
Delta R.T. -0.003 min
Lab File: VU042111.D
Acq: 20 Jan 2021 17:24

Instrument :
MSVOA_U
ClientSampleId :
BFXP8DL

Tgt Ion: 84 Resp: 2939

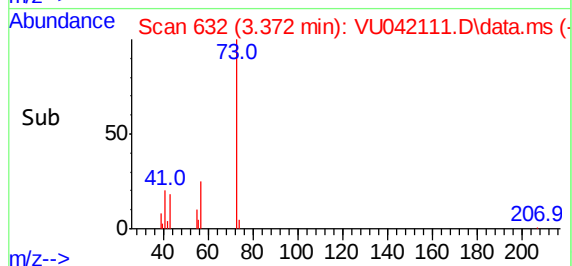
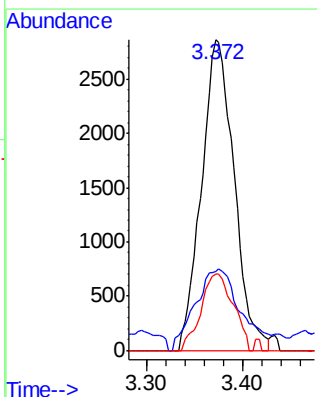
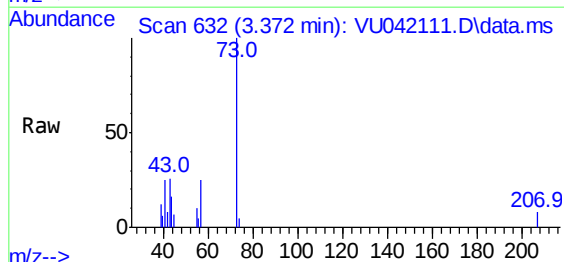
Ion	Ratio	Lower	Upper
84	100		
86	61.0	44.1	81.9
49	142.2	95.0	176.4

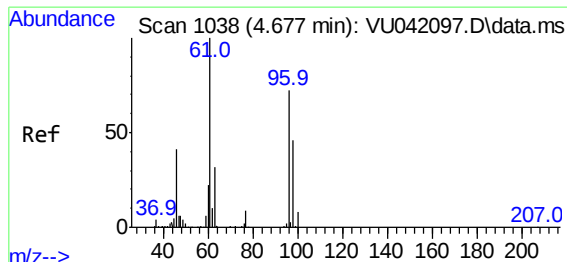


#17
Methyl tert-butyl Ether
Concen: 0.28 ug/L
RT: 3.372 min Scan# 632
Delta R.T. 0.000 min
Lab File: VU042111.D
Acq: 20 Jan 2021 17:24

Tgt Ion: 73 Resp: 6722

Ion	Ratio	Lower	Upper
73	100		
43	36.8	18.9	28.3#
57	24.4	18.2	27.4

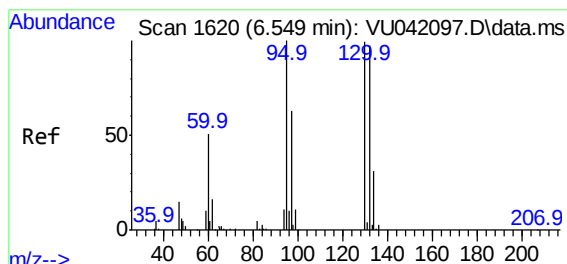
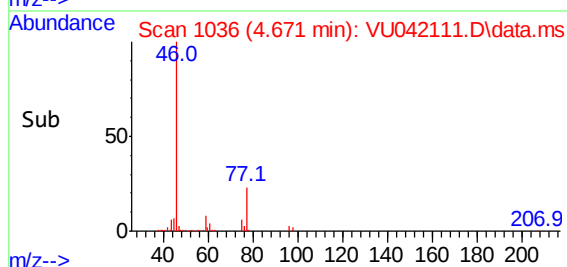
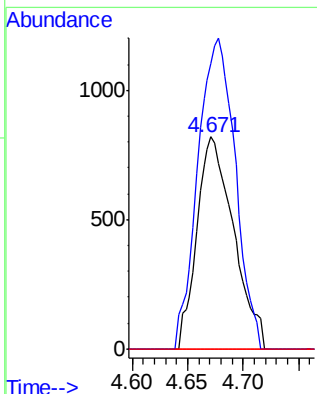
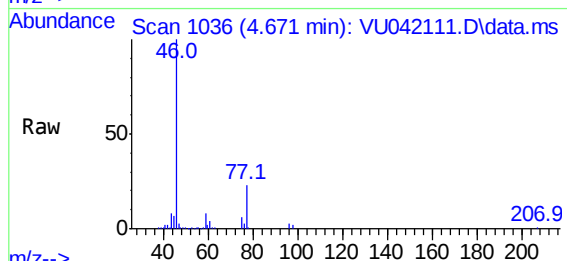




#22
cis-1,2-Dichloroethene
Concen: 0.20 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VU042111.D
Acq: 20 Jan 2021 17:24

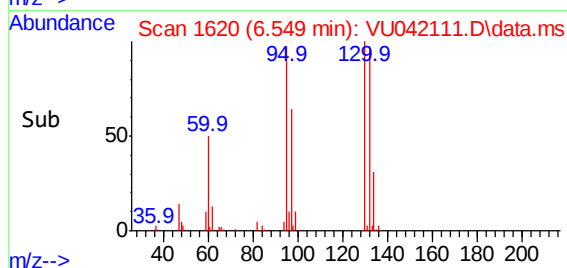
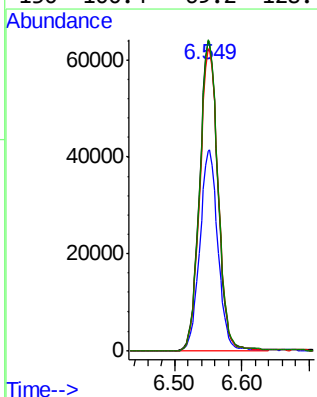
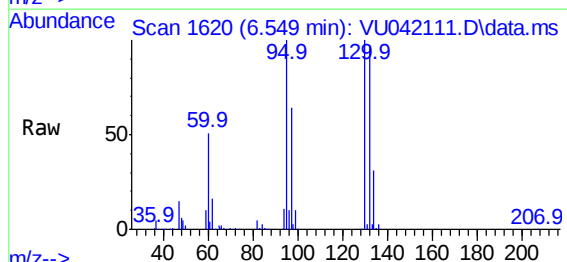
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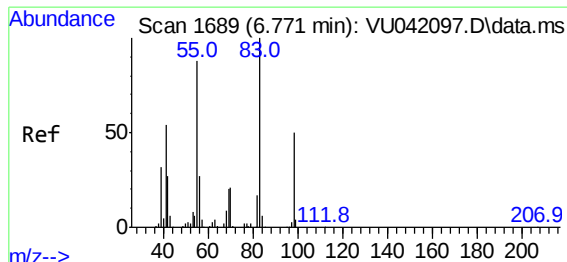
Tgt Ion: 96 Resp: 1879
Ion Ratio Lower Upper
96 100
61 134.4 97.8 181.6
68 0.0 0.0 0.0



#34
Trichloroethene
Concen: 13.29 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VU042111.D
Acq: 20 Jan 2021 17:24

Tgt Ion: 95 Resp: 120687
Ion Ratio Lower Upper
95 100
97 64.5 44.4 82.4
132 97.3 68.0 126.4
130 100.4 69.2 128.4

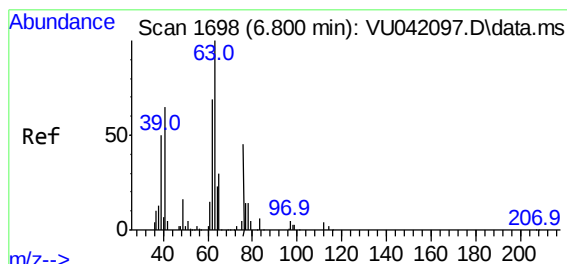
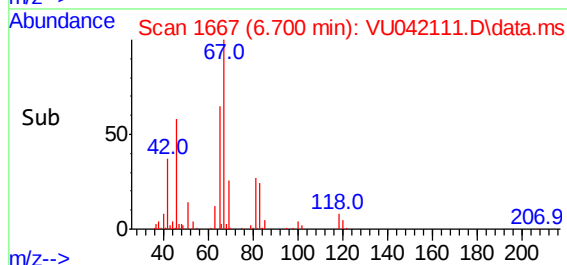
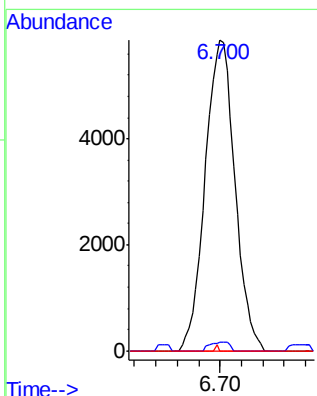
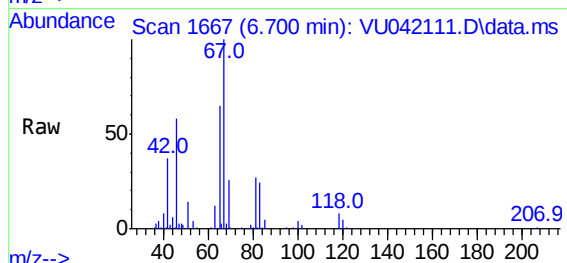




#35
Methylcyclohexane
Concen: 0.74 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.071 min
Lab File: VU042111.D
Acq: 20 Jan 2021 17:24

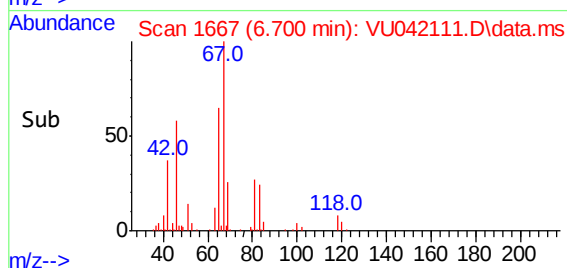
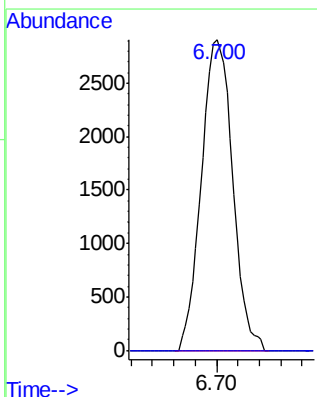
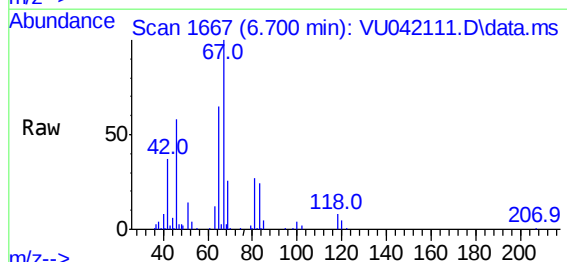
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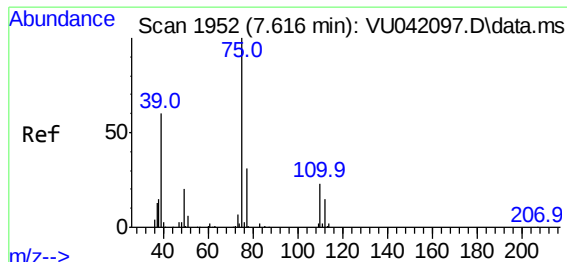
Tgt Ion: 83 Resp: 11275
Ion Ratio Lower Upper
83 100
55 1.9 68.2 102.4#
98 0.0 39.7 59.5#



#37
1,2-Dichloropropane
Concen: 0.66 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.100 min
Lab File: VU042111.D
Acq: 20 Jan 2021 17:24

Tgt Ion: 63 Resp: 5886
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#

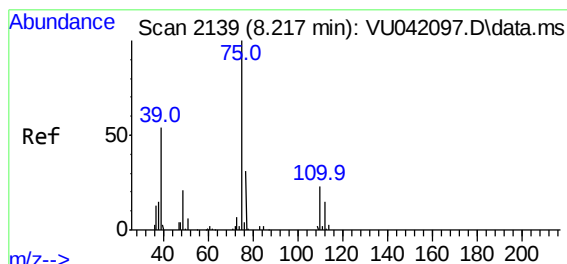
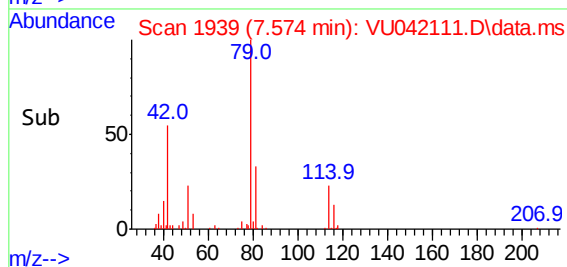
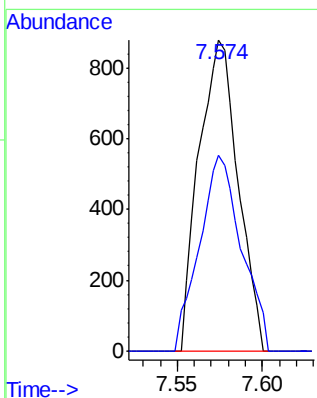
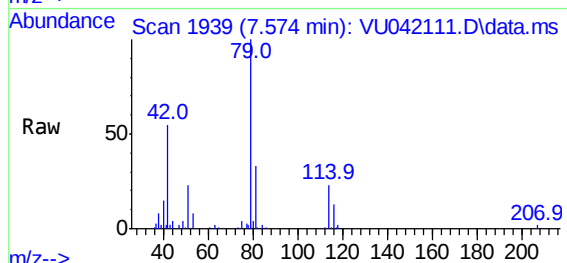




#39
cis-1,3-Dichloropropene
Concen: 0.10 ug/L
RT: 7.574 min Scan# 1939
Delta R.T. -0.042 min
Lab File: VU042111.D
Acq: 20 Jan 2021 17:24

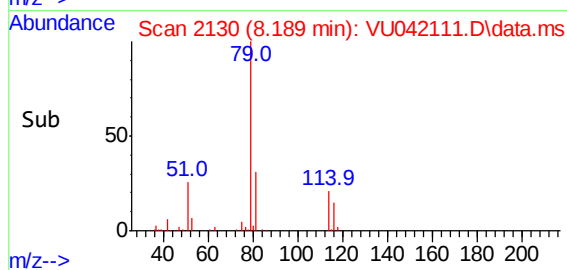
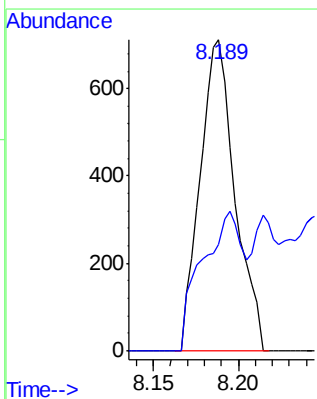
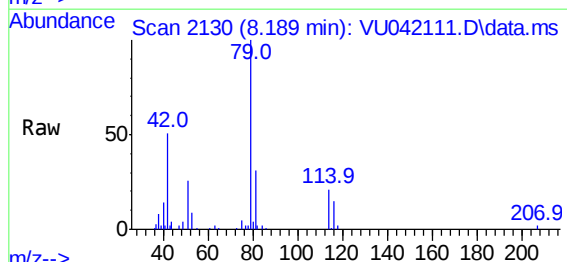
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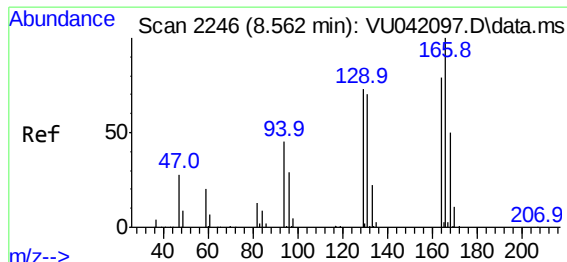
Tgt Ion: 75 Resp: 1409
Ion Ratio Lower Upper
75 100
77 63.0 22.0 40.8#



#44
trans-1,3-Dichloropropene
Concen: 0.08 ug/L
RT: 8.189 min Scan# 2130
Delta R.T. -0.029 min
Lab File: VU042111.D
Acq: 20 Jan 2021 17:24

Tgt Ion: 75 Resp: 1016
Ion Ratio Lower Upper
75 100
77 34.3 21.8 40.4





#47

Tetrachloroethene

Concen: 0.23 ug/L

RT: 8.562 min Scan# 2246

Delta R.T. 0.000 min

Lab File: VU042111.D

Acq: 20 Jan 2021 17:24

Tgt Ion: 164 Resp: 1769

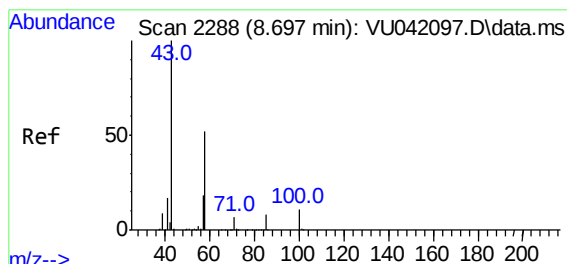
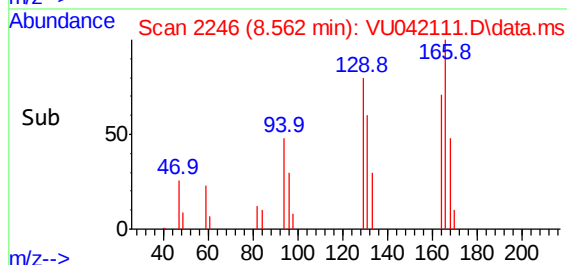
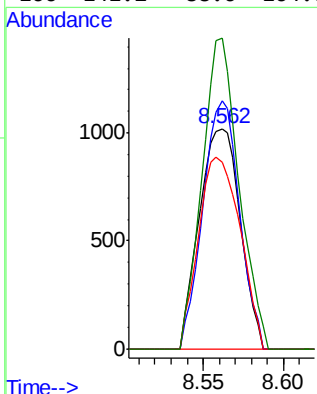
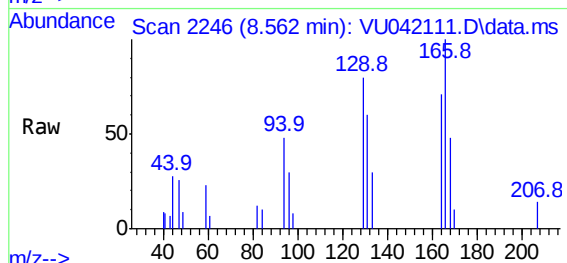
Ion Ratio Lower Upper

164 100

129 112.5 64.3 119.5

131 85.0 62.2 115.6

166 141.2 88.6 164.6



#48

2-Hexanone

Concen: 3.06 ug/L

RT: 8.645 min Scan# 2272

Delta R.T. -0.051 min

Lab File: VU042111.D

Acq: 20 Jan 2021 17:24

Tgt Ion: 43 Resp: 16140

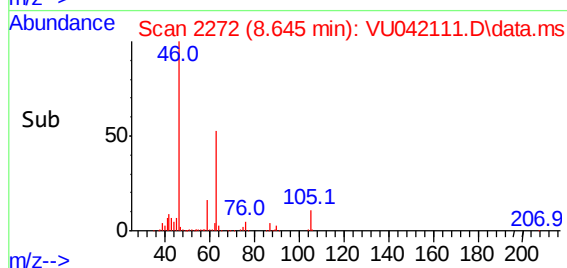
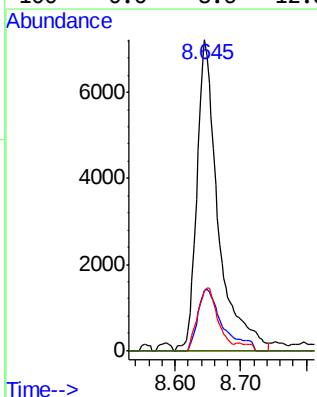
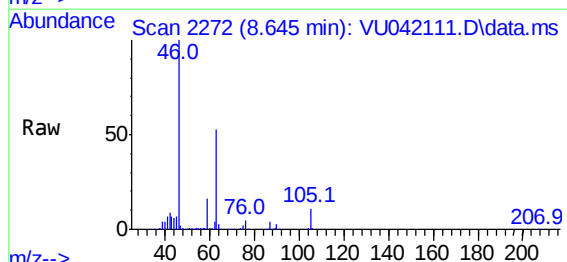
Ion Ratio Lower Upper

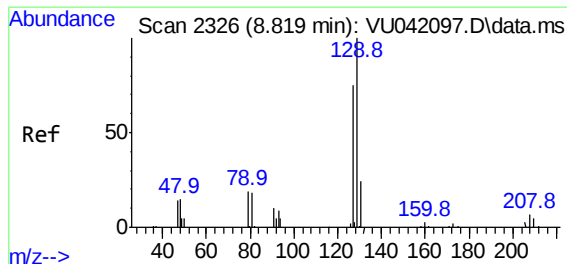
43 100

58 22.5 40.6 61.0#

57 19.0 14.9 22.3

100 0.0 8.6 12.8#

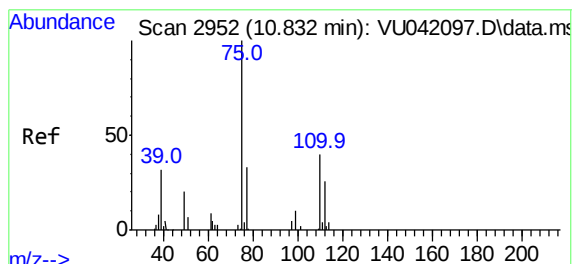
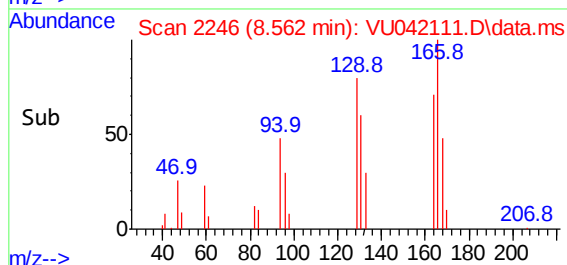
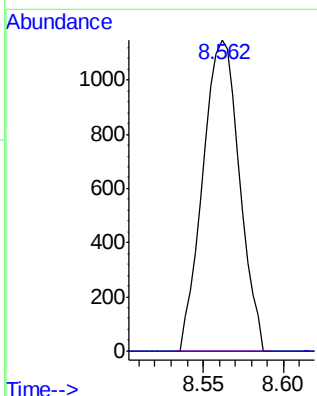
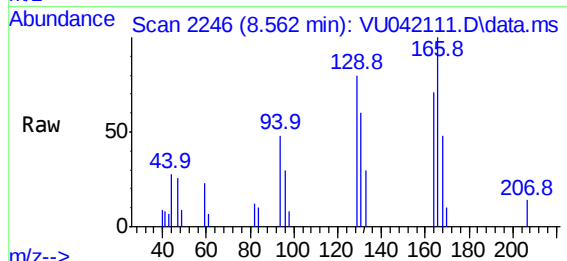




#49
Dibromochloromethane
Concen: 0.20 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. -0.257 min
Lab File: VU042111.D
Acq: 20 Jan 2021 17:24

Instrument :
MSVOA_U
ClientSampleId :
BFXP8DL

Tgt Ion:129 Resp: 1780
Ion Ratio Lower Upper
129 100
127 0.0 52.3 97.1#



#59
1,2,3-Trichloropropane
Concen: 1.05 ug/L
RT: 11.819 min Scan# 3259
Delta R.T. 0.987 min
Lab File: VU042111.D
Acq: 20 Jan 2021 17:24

Tgt Ion: 75 Resp: 6580
Ion Ratio Lower Upper
75 100
77 34.1 26.0 39.0

