

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100521\
 Data File : VU045148.D
 Acq On : 05 Oct 2021 16:34
 Operator : SY/MD
 Sample : M3996-11DL 5X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4A54DL

Quant Time: Oct 06 01:46:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 06 01:40:56 2021
 Response via : Initial Calibration

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

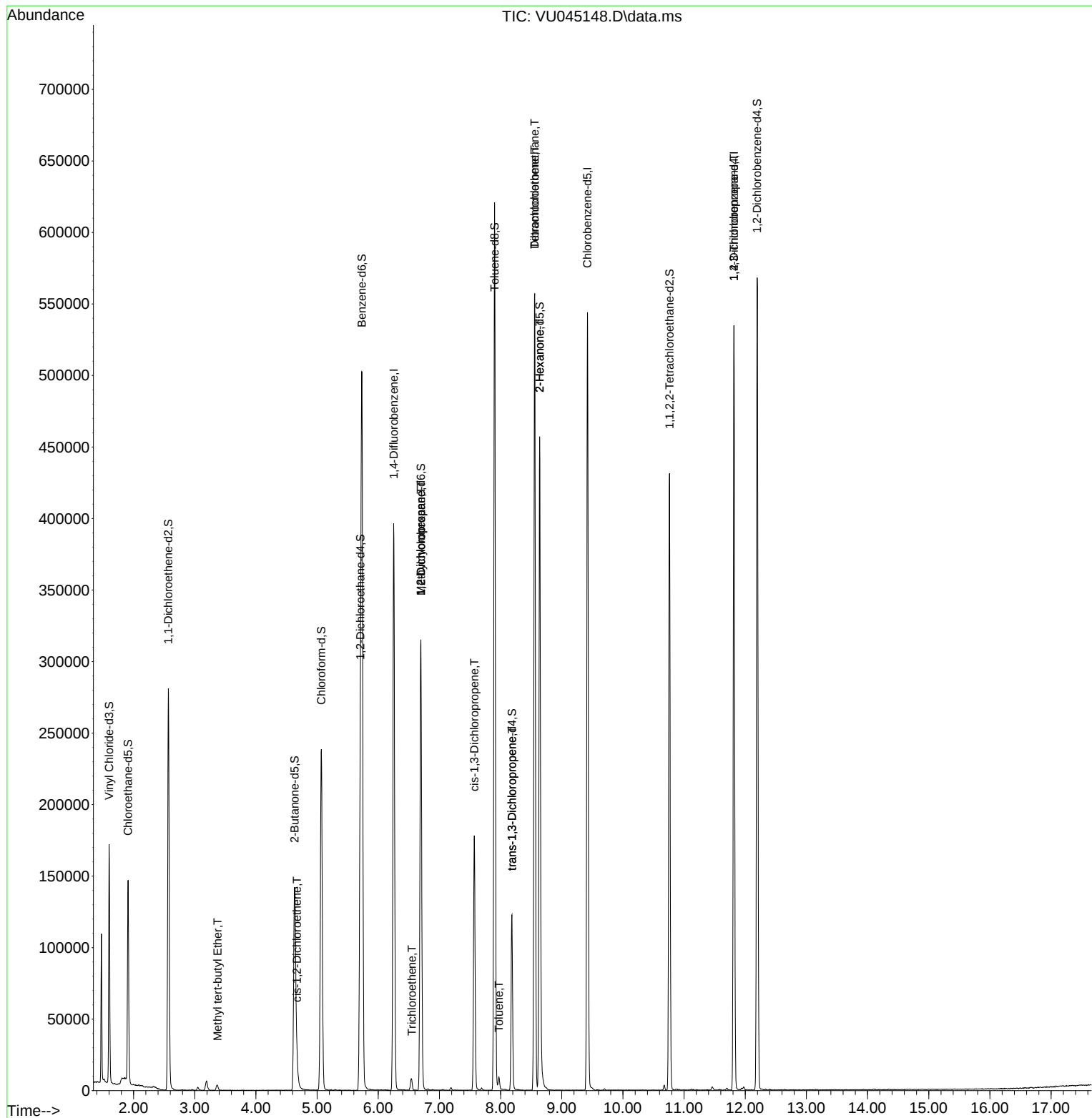
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	306466	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	286321	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	129731	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	118402	35.292	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	70.580%		
7) Chloroethane-d5	1.909	69	108121	40.669	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	81.340%		
11) 1,1-Dichloroethene-d2	2.568	63	168722	29.947	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	59.900%#		
21) 2-Butanone-d5	4.632	46	227256	85.683	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	85.680%		
24) Chloroform-d	5.070	84	215228	40.619	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	81.240%		
26) 1,2-Dichloroethane-d4	5.706	65	154198	42.962	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.920%		
32) Benzene-d6	5.732	84	451085	45.403	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.800%		
36) 1,2-Dichloropropane-d6	6.697	67	140690	43.429	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	86.860%		
41) Toluene-d8	7.902	98	395145	46.087	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.180%		
43) trans-1,3-Dichloroprop...	8.185	79	66000	45.800	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.600%		
47) 2-Hexanone-d5	8.639	63	160330	89.307	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	89.310%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	210924	41.812	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	83.620%		
66) 1,2-Dichlorobenzene-d4	12.195	152	136378	48.304	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.600%		
Target Compounds						Qvalue
18) Methyl tert-butyl Ether	3.372	73	3199	0.388	ug/L #	92
20) cis-1,2-Dichloroethene	4.671	96	1848	0.671	ug/L	83
34) Trichloroethene	6.549	95	1915	0.751	ug/L #	90
35) Methylcyclohexane	6.697	83	33902	7.939	ug/L #	16
37) 1,2-Dichloropropane	6.697	63	16722	5.783	ug/L #	88
39) cis-1,3-Dichloropropene	7.571	75	4375	1.058	ug/L #	76
42) Toluene	7.973	91	6041	0.560	ug/L	93
44) trans-1,3-Dichloropropene	8.185	75	2938	0.747	ug/L #	78
46) Tetrachloroethene	8.558	164	115957	63.603	ug/L	99
48) 2-Hexanone	8.639	43	18648	4.354	ug/L #	69
49) Dibromochloromethane	8.558	129	114117	44.035	ug/L #	11
60) 1,2,3-Trichloropropane	11.815	75	17642	4.917	ug/L #	68

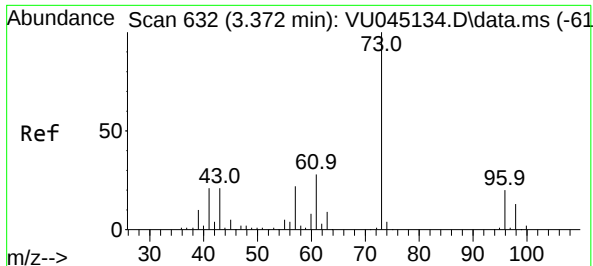
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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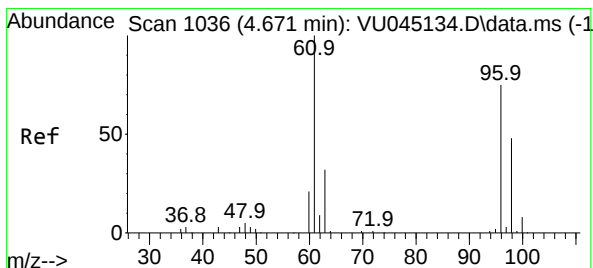
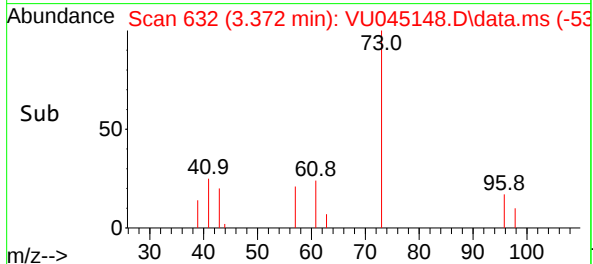
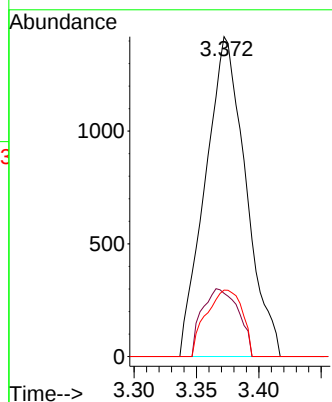
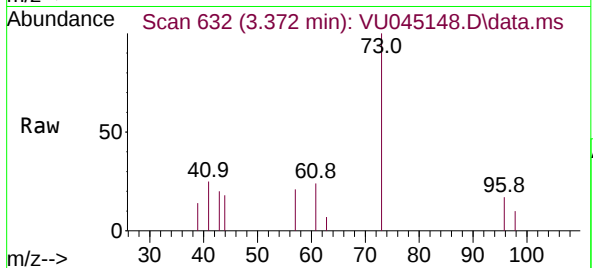


#18

Methyl tert-butyl Ether
Concen: 0.388 ug/L
RT: 3.372 min Scan# 632
Delta R.T. -0.000 min
Lab File: VU045148.D
Acq: 05 Oct 2021 16:34

Instrument :
MSVOA_U
ClientSampled :
F4A54DL

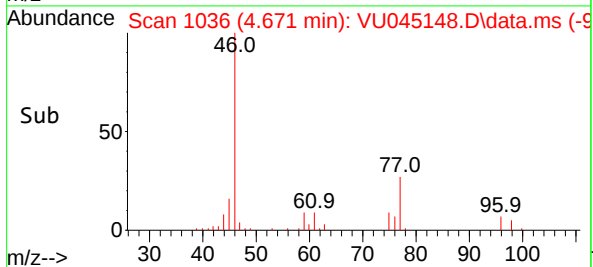
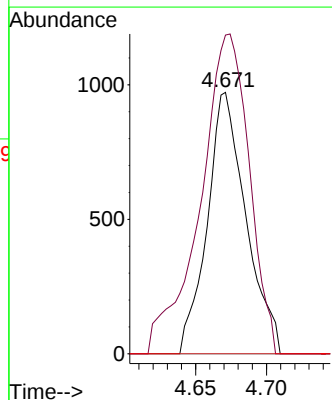
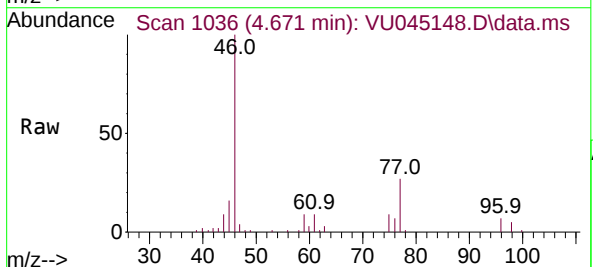
Tgt Ion:	73	Resp:	3199
Ion	Ratio	Lower	Upper
73	100		
43	19.0	17.3	25.9
57	18.5	18.7	28.1#

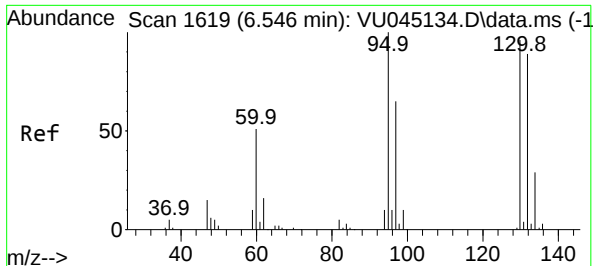


#20

cis-1,2-Dichloroethene
Concen: 0.671 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VU045148.D
Acq: 05 Oct 2021 16:34

Tgt Ion:	96	Resp:	1848
Ion	Ratio	Lower	Upper
96	100		
61	121.9	100.2	186.0
68	0.0	0.0	0.0





#34

Trichloroethene

Concen: 0.751 ug/L

RT: 6.549 min Scan# 1620

Delta R.T. 0.003 min

Lab File: VU045148.D

Acq: 05 Oct 2021 16:34

Tgt Ion: 95 Resp: 1915

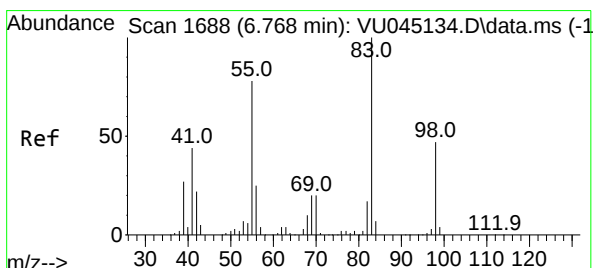
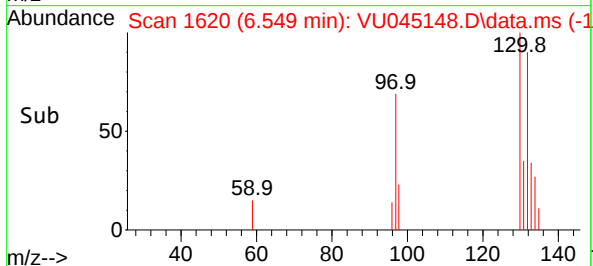
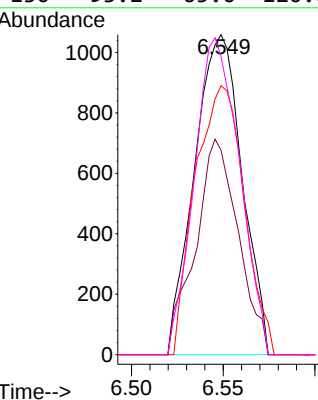
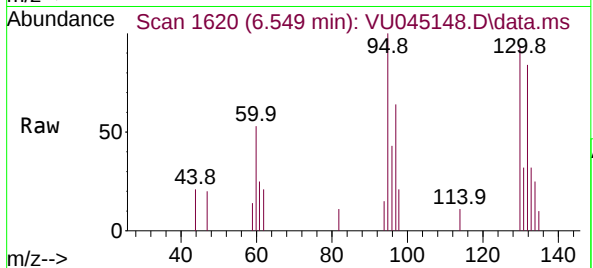
Ion Ratio Lower Upper

95 100

97 85.4 44.4 82.4#

132 84.0 62.9 116.9

130 93.2 65.0 120.8



#35

Methylcyclohexane

Concen: 7.939 ug/L

RT: 6.697 min Scan# 1666

Delta R.T. -0.071 min

Lab File: VU045148.D

Acq: 05 Oct 2021 16:34

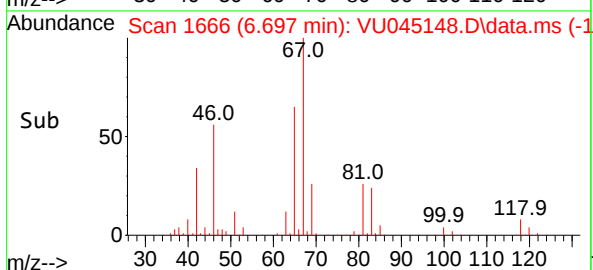
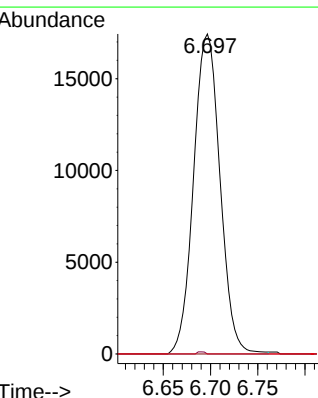
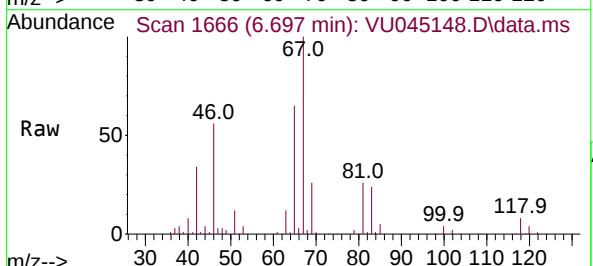
Tgt Ion: 83 Resp: 33902

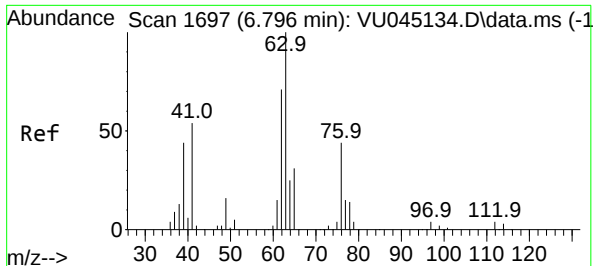
Ion Ratio Lower Upper

83 100

55 0.2 65.8 98.6#

98 0.0 37.1 55.7#



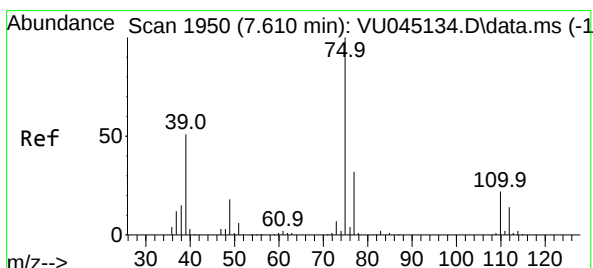
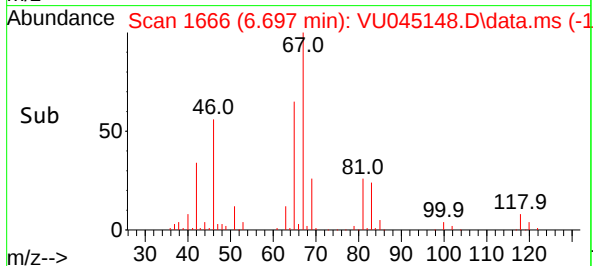
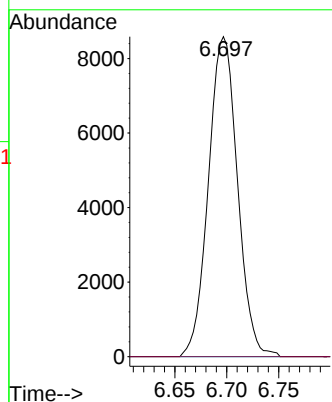
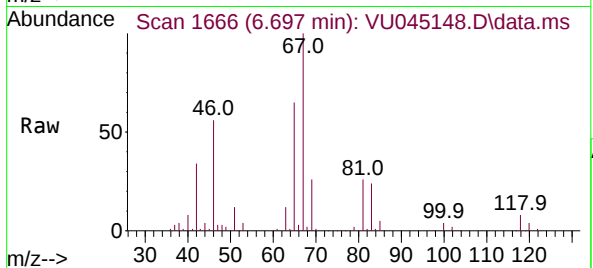


#37

1,2-Dichloropropane
Concen: 5.783 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.100 min
Lab File: VU045148.D
Acq: 05 Oct 2021 16:34

Instrument :
MSVOA_U
ClientSampled :
F4A54DL

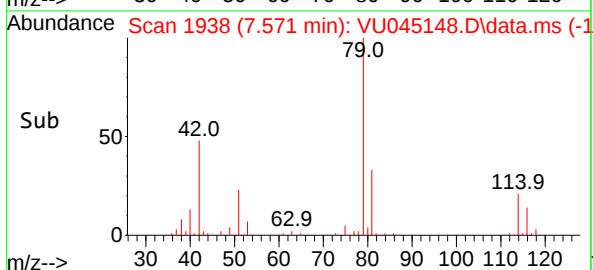
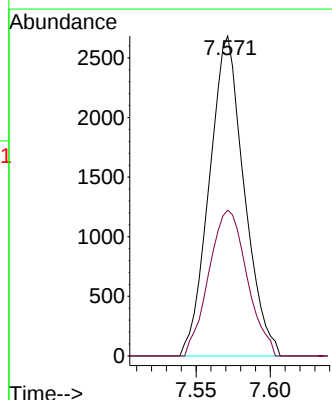
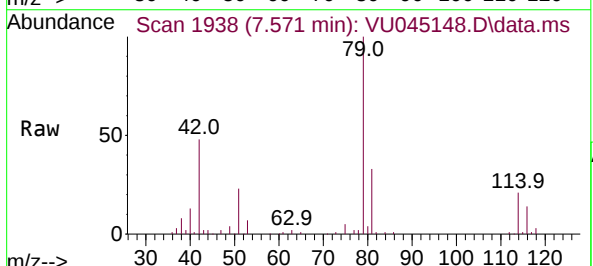
Tgt Ion: 63 Resp: 16722
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#

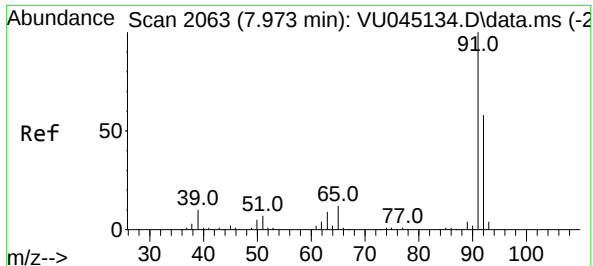


#39

cis-1,3-Dichloropropene
Concen: 1.058 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.039 min
Lab File: VU045148.D
Acq: 05 Oct 2021 16:34

Tgt Ion: 75 Resp: 4375
Ion Ratio Lower Upper
75 100
77 45.5 22.4 41.6#

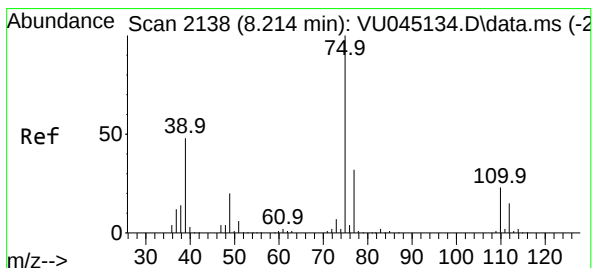
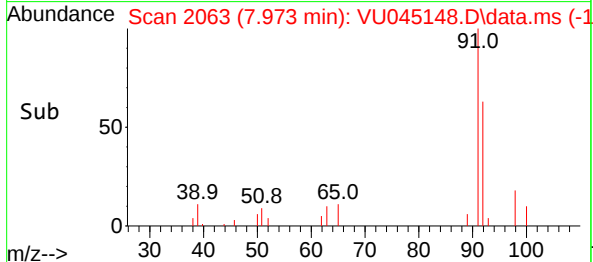
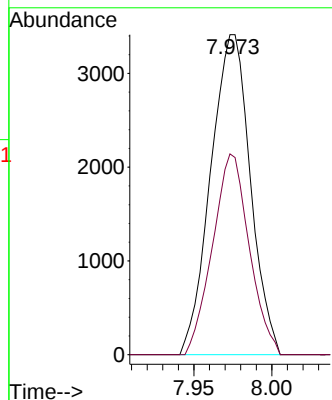
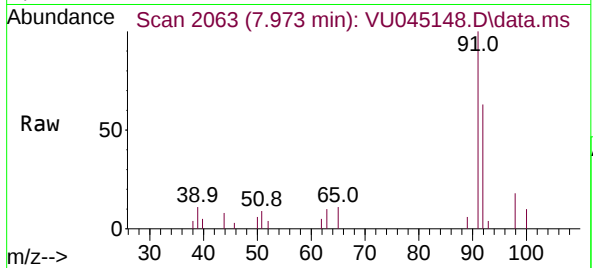




#42
Toluene
Concen: 0.560 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU045148.D
Acq: 05 Oct 2021 16:34

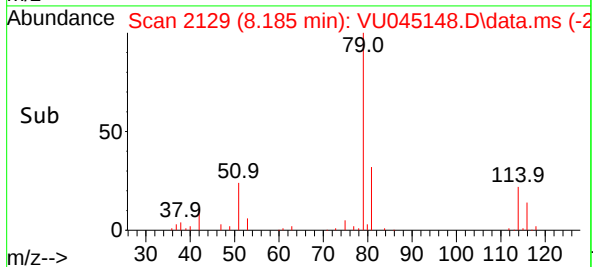
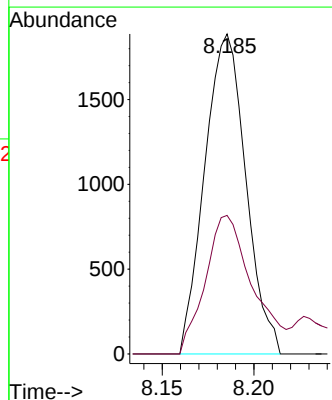
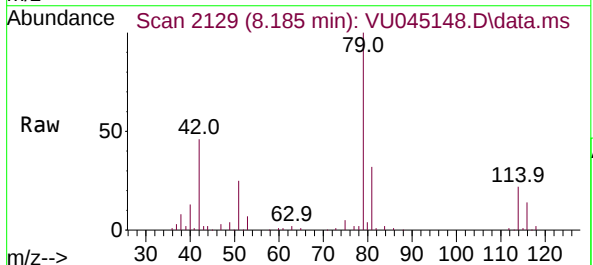
Instrument :
MSVOA_U
ClientSampled :
F4A54DL

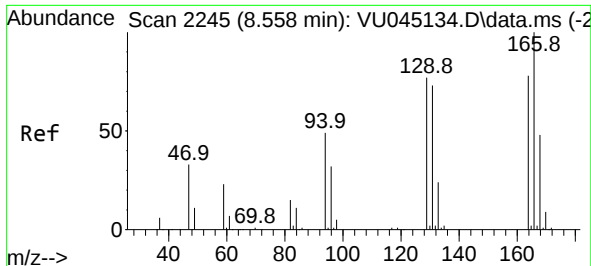
Tgt Ion: 91 Resp: 6041
Ion Ratio Lower Upper
91 100
92 62.8 40.5 75.1



#44
trans-1,3-Dichloropropene
Concen: 0.747 ug/L
RT: 8.185 min Scan# 2129
Delta R.T. -0.029 min
Lab File: VU045148.D
Acq: 05 Oct 2021 16:34

Tgt Ion: 75 Resp: 2938
Ion Ratio Lower Upper
75 100
77 43.3 21.7 40.3#



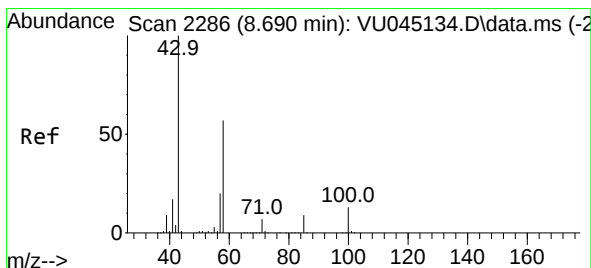
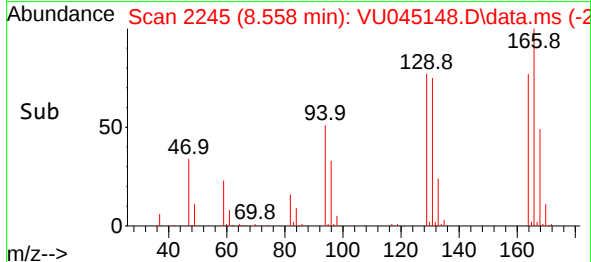
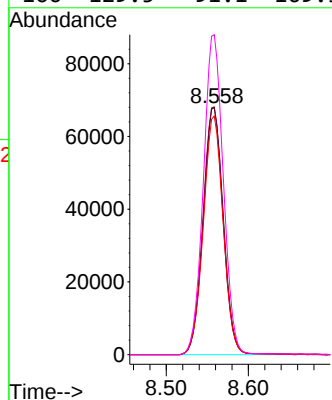
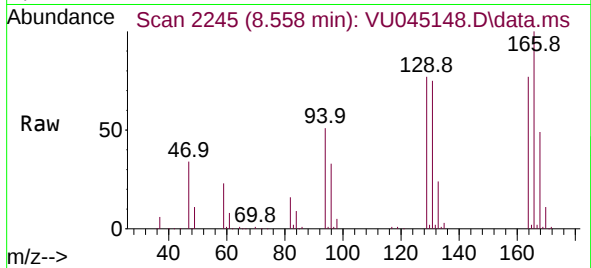


#46
Tetrachloroethene
Concen: 63.603 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. -0.000 min
Lab File: VU045148.D
Acq: 05 Oct 2021 16:34

Instrument :
MSVOA_U
ClientSampled :
F4A54DL

Tgt Ion:164 Resp: 115957

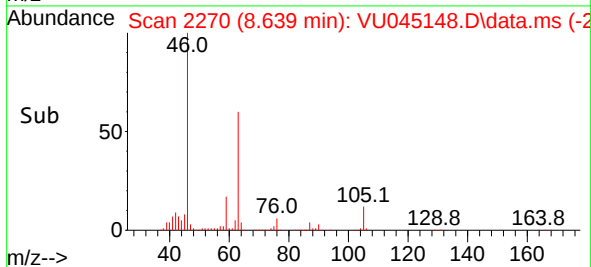
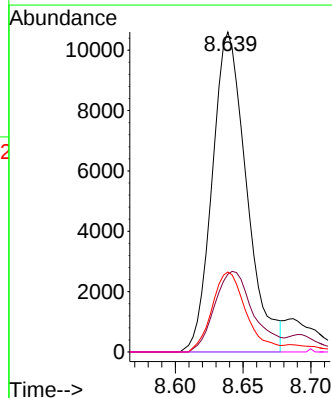
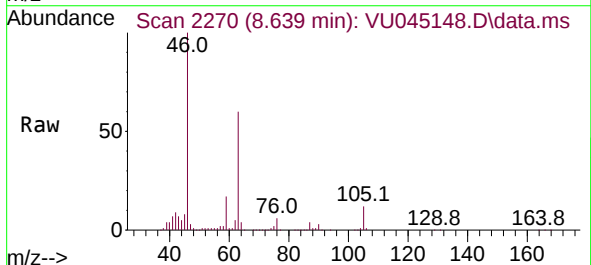
Ion	Ratio	Lower	Upper
164	100		
129	100.3	69.8	129.6
131	96.6	66.4	123.2
166	129.5	91.1	169.3

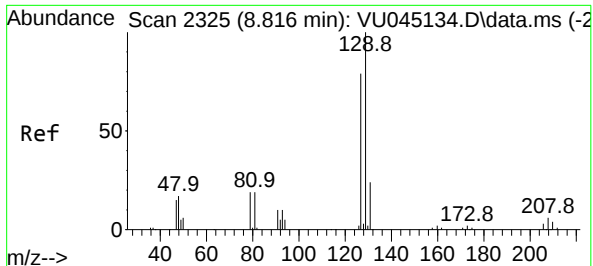


#48
2-Hexanone
Concen: 4.354 ug/L
RT: 8.639 min Scan# 2270
Delta R.T. -0.052 min
Lab File: VU045148.D
Acq: 05 Oct 2021 16:34

Tgt Ion: 43 Resp: 18648

Ion	Ratio	Lower	Upper
43	100		
58	29.1	44.9	67.3#
57	24.9	15.5	23.3#
100	0.0	9.4	14.0#





#49

Dibromochloromethane

Concen: 44.035 ug/L

RT: 8.558 min Scan# 2245

Delta R.T. -0.257 min

Lab File: VU045148.D

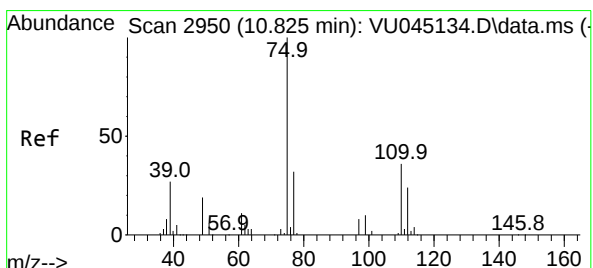
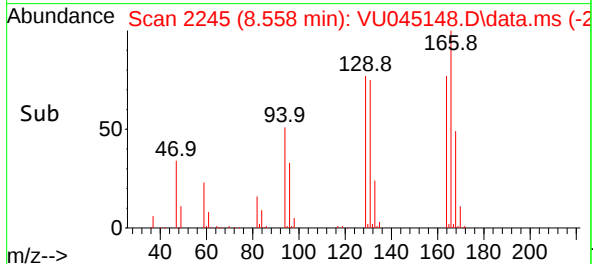
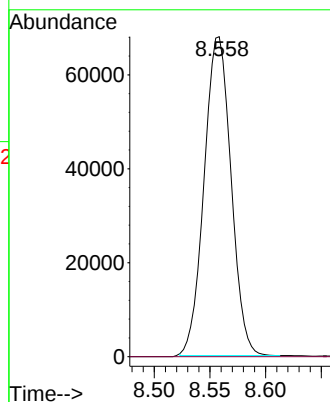
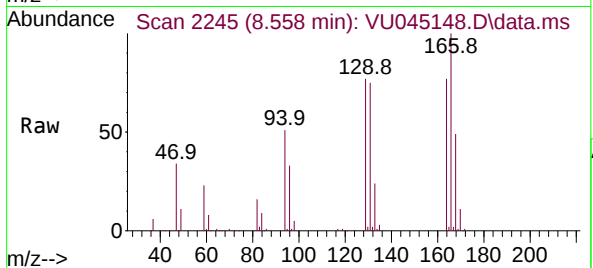
Acq: 05 Oct 2021 16:34

Tgt Ion:129 Resp: 114117

Ion Ratio Lower Upper

129 100

127 0.0 54.3 100.8#



#60

1,2,3-Trichloropropane

Concen: 4.917 ug/L

RT: 11.815 min Scan# 3258

Delta R.T. 0.990 min

Lab File: VU045148.D

Acq: 05 Oct 2021 16:34

Tgt Ion: 75 Resp: 17642

Ion Ratio Lower Upper

75 100

77 33.5 25.5 38.3

110 2.4 29.0 43.4#

