

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092421\
 Data File : VU044812.D
 Acq On : 24 Sep 2021 15:10
 Operator : SY/MD
 Sample : M3873-16DL 40X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 25 02:39:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 25 02:36:00 2021
 Response via : Initial Calibration

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

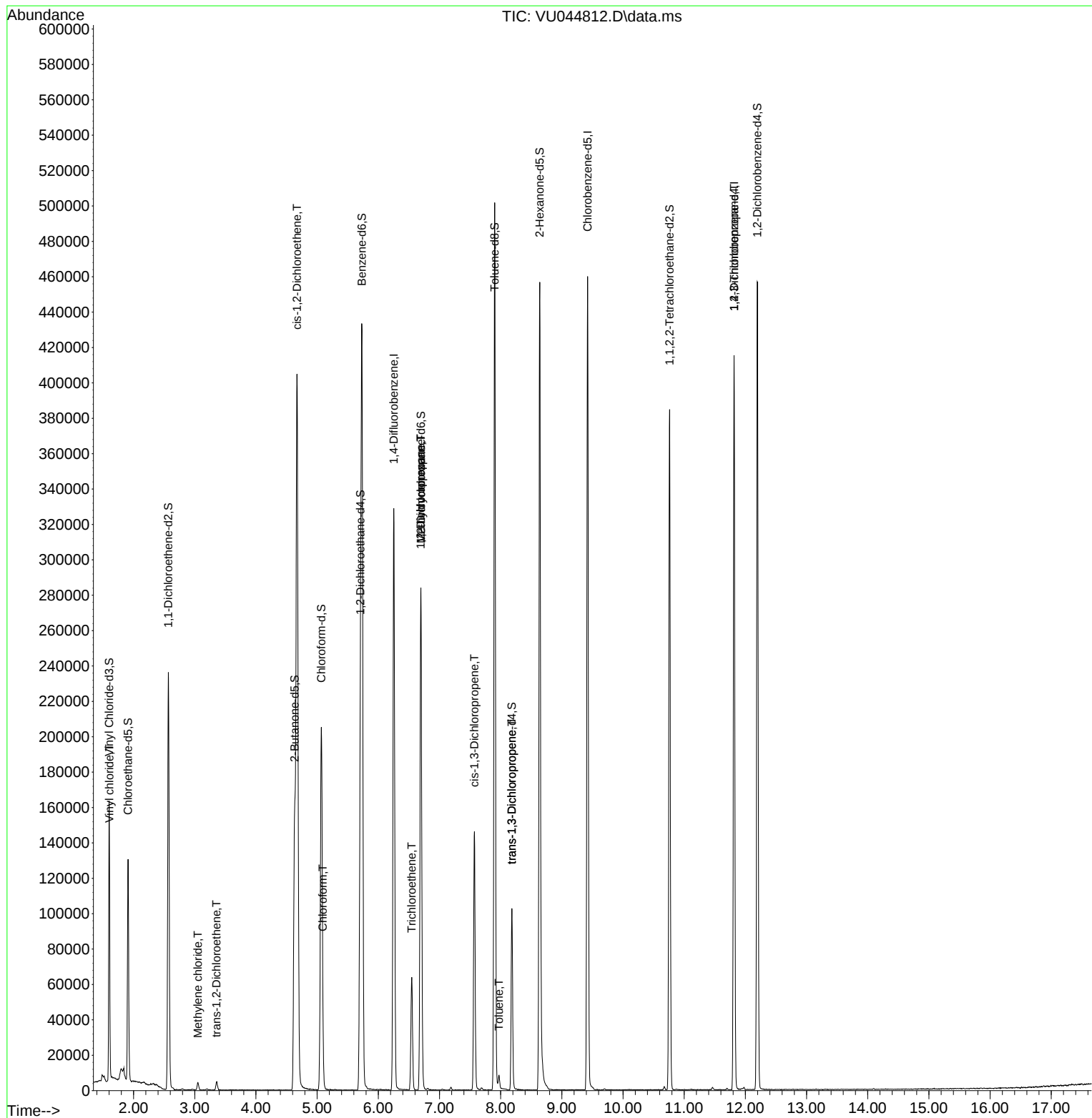
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	247923	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	239607	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	101915	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	107176	39.490	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	78.980%		
7) Chloroethane-d5	1.909	69	92416	42.970	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	85.940%		
11) 1,1-Dichloroethene-d2	2.568	63	142016	31.159	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	62.320%		
21) 2-Butanone-d5	4.633	46	229964	107.177	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	107.180%		
24) Chloroform-d	5.070	84	183243	42.749	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.500%		
26) 1,2-Dichloroethane-d4	5.706	65	136319	46.949	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.900%		
32) Benzene-d6	5.732	84	380009	45.706	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.420%		
36) 1,2-Dichloropropane-d6	6.697	67	129077	47.612	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.220%		
41) Toluene-d8	7.903	98	313768	43.730	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.460%		
43) trans-1,3-Dichloroprop...	8.182	79	54278	45.009	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.020%		
47) 2-Hexanone-d5	8.639	63	156724	104.318	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	104.320%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	191190	45.289	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	90.580%		
66) 1,2-Dichlorobenzene-d4	12.195	152	112776	50.847	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.700%		
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	4049	1.397	ug/L #	1
16) Methylene chloride	3.051	84	1894	0.779	ug/L	93
17) trans-1,2-Dichloroethene	3.356	96	1958	0.968	ug/L	92
20) cis-1,2-Dichloroethene	4.671	96	194189	87.136	ug/L	95
25) Chloroform	5.092	83	7167	1.713	ug/L	98
34) Trichloroethene	6.546	95	20842	9.764	ug/L	99
35) Methylcyclohexane	6.697	83	29717	8.316	ug/L #	16
37) 1,2-Dichloropropane	6.694	63	14794	6.114	ug/L #	88
39) cis-1,3-Dichloropropene	7.571	75	3498	1.010	ug/L #	76
42) Toluene	7.973	91	4770	0.528	ug/L	99
44) trans-1,3-Dichloropropene	8.182	75	2424	0.736	ug/L	84
60) 1,2,3-Trichloropropane	11.816	75	14455	5.128	ug/L #	68

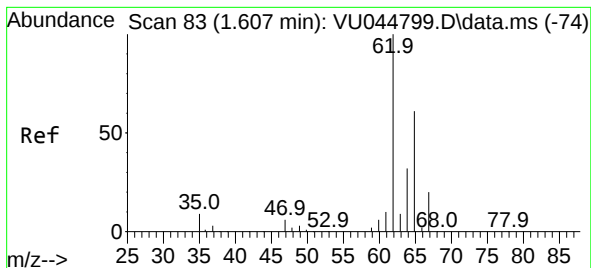
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.397 ug/L

RT: 1.607 min Scan# 83

Delta R.T. 0.000 min

Lab File: VU044812.D

Acq: 24 Sep 2021 15:10

Tgt Ion: 62 Resp: 4049

Ion Ratio Lower Upper

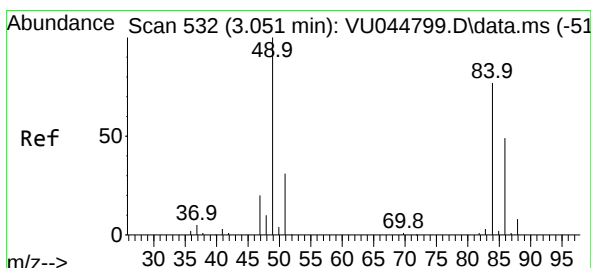
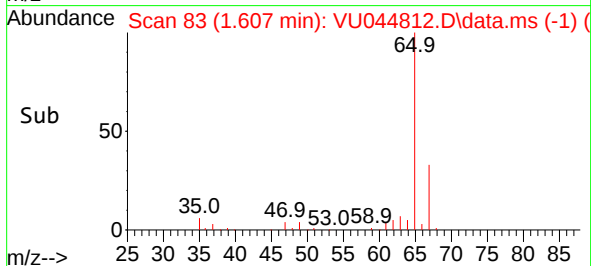
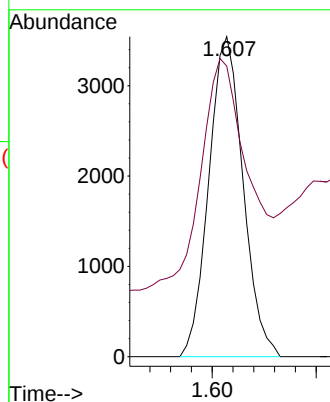
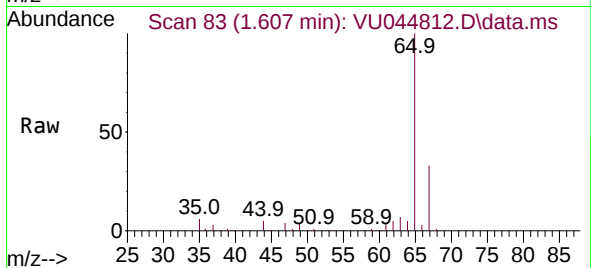
62 100

64 90.8 23.4 43.6#

Instrument :

MSVOA_U

ClientSampleId :



#16

Methylene chloride

Concen: 0.779 ug/L

RT: 3.051 min Scan# 532

Delta R.T. 0.000 min

Lab File: VU044812.D

Acq: 24 Sep 2021 15:10

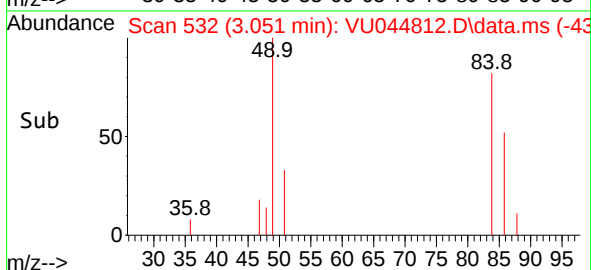
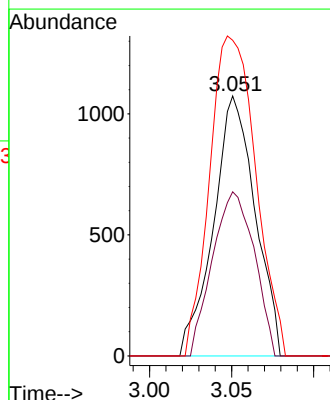
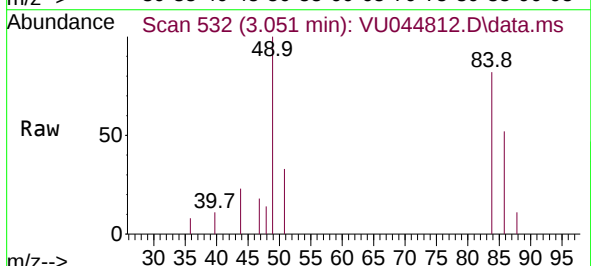
Tgt Ion: 84 Resp: 1894

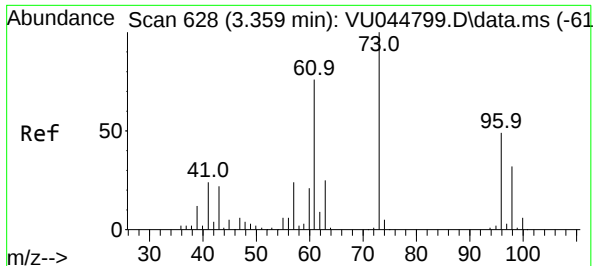
Ion Ratio Lower Upper

84 100

86 63.1 44.7 83.1

49 121.4 92.9 172.5



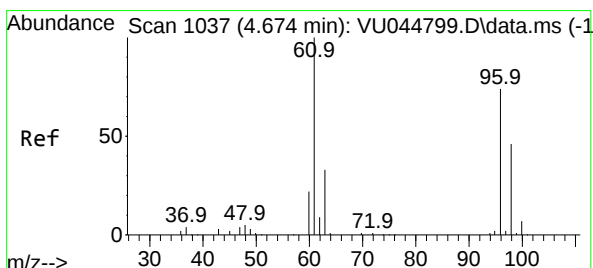
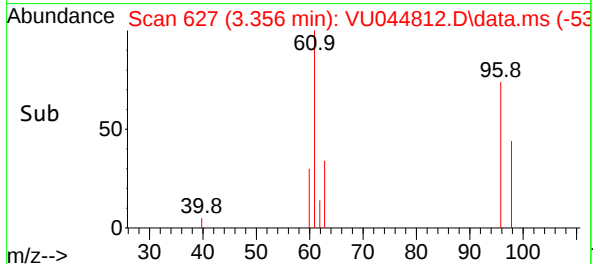
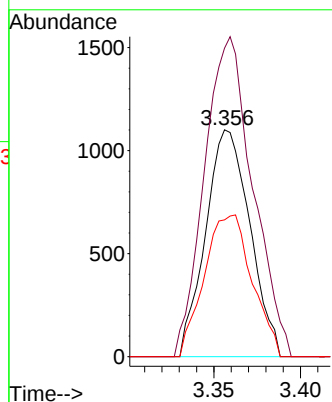
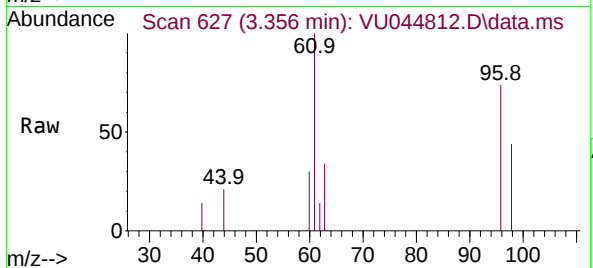


#17

trans-1,2-Dichloroethene
Concen: 0.968 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.003 min
Lab File: VU044812.D
Acq: 24 Sep 2021 15:10

Instrument :
MSVOA_U
ClientSampled :

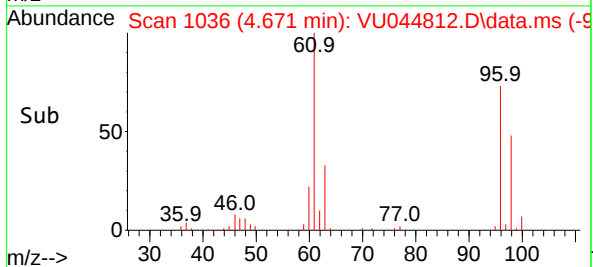
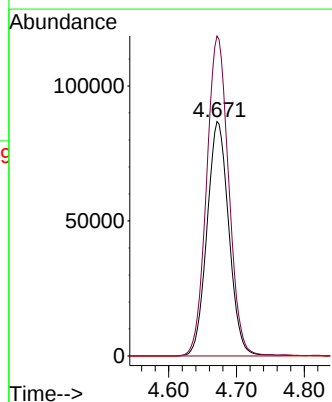
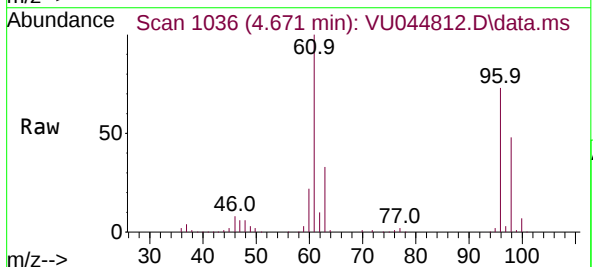
Tgt Ion: 96 Resp: 1958
Ion Ratio Lower Upper
96 100
61 136.0 105.1 195.3
98 60.3 43.0 79.8

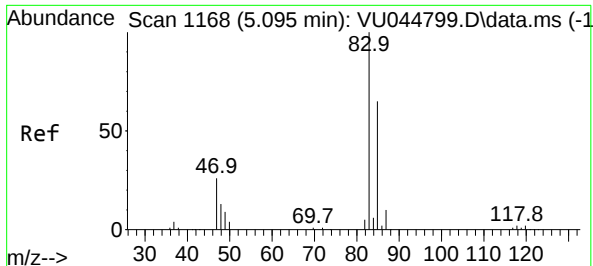


#20

cis-1,2-Dichloroethene
Concen: 87.136 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.003 min
Lab File: VU044812.D
Acq: 24 Sep 2021 15:10

Tgt Ion: 96 Resp: 194189
Ion Ratio Lower Upper
96 100
61 136.6 100.2 186.0
68 0.0 0.0 0.0





#25

Chloroform

Concen: 1.713 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.003 min

Lab File: VU044812.D

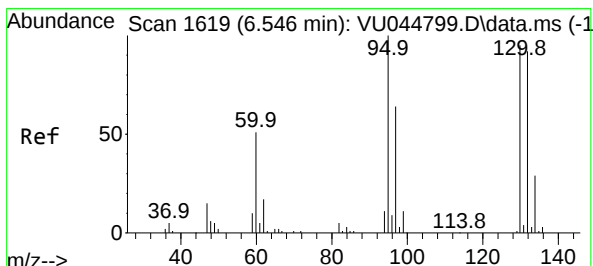
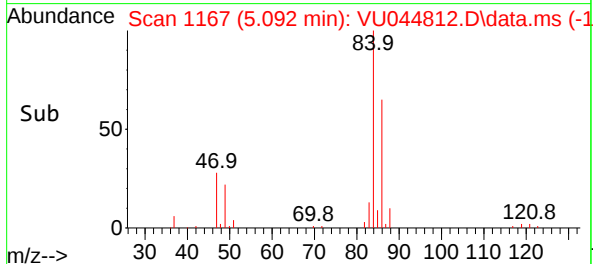
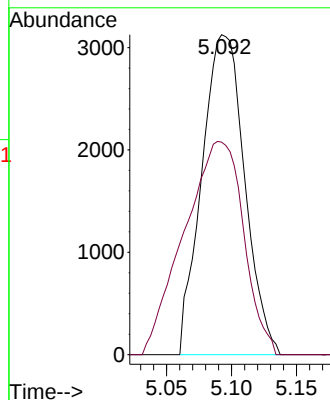
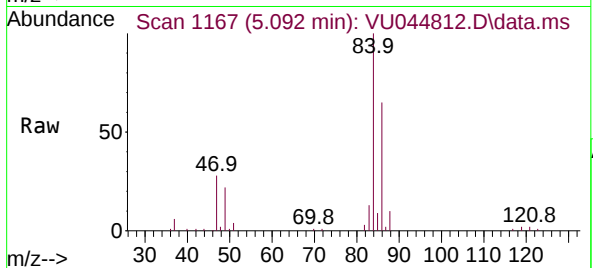
Acq: 24 Sep 2021 15:10

Tgt Ion: 83 Resp: 7167

Ion Ratio Lower Upper

83 100

85 66.4 45.6 84.6



#34

Trichloroethene

Concen: 9.764 ug/L

RT: 6.546 min Scan# 1619

Delta R.T. 0.000 min

Lab File: VU044812.D

Acq: 24 Sep 2021 15:10

Tgt Ion: 95 Resp: 20842

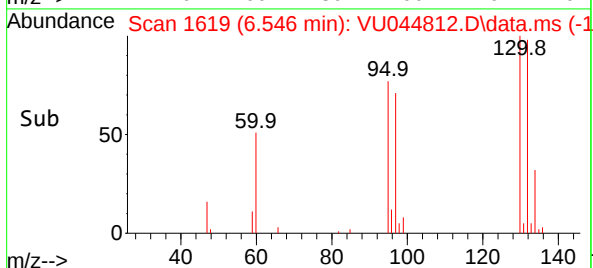
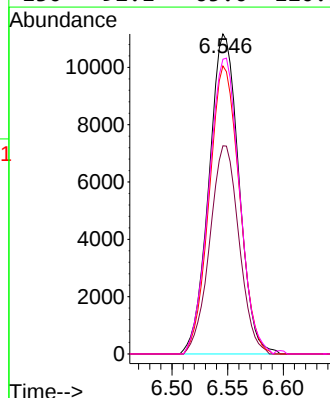
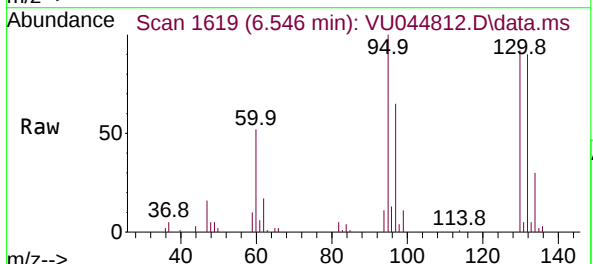
Ion Ratio Lower Upper

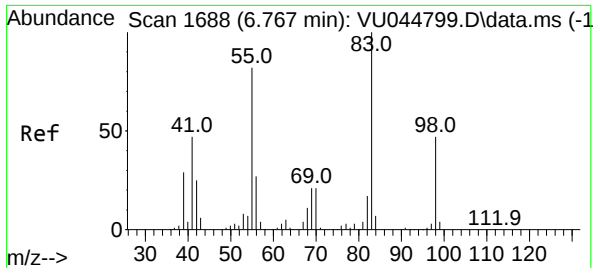
95 100

97 65.0 44.4 82.4

132 90.0 62.9 116.9

130 92.1 65.0 120.8

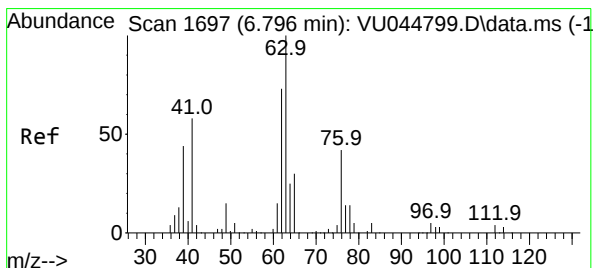
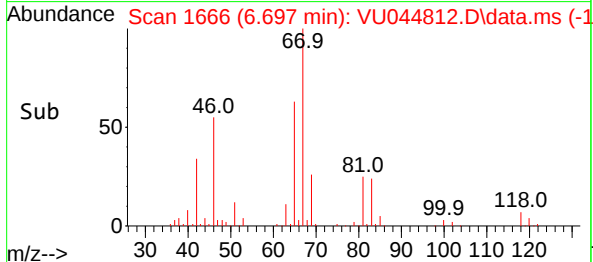
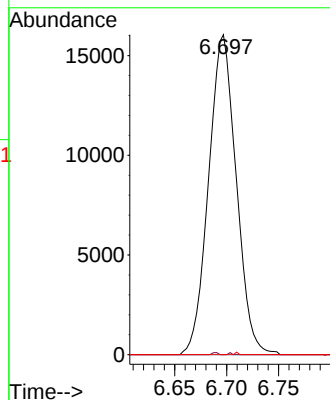
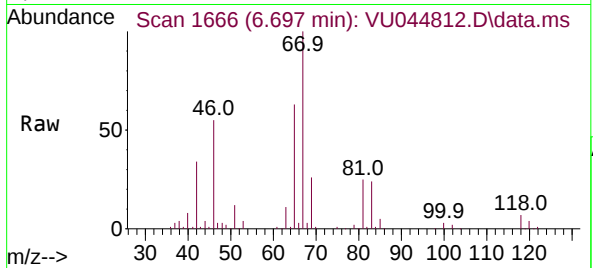




#35
Methylcyclohexane
Concen: 8.316 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.071 min
Lab File: VU044812.D
Acq: 24 Sep 2021 15:10

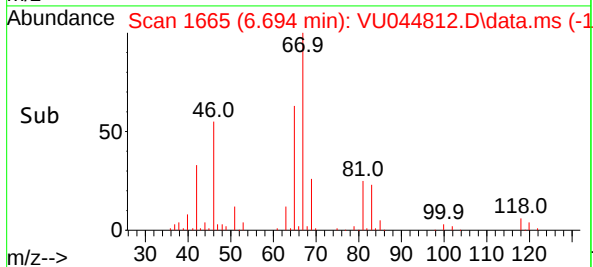
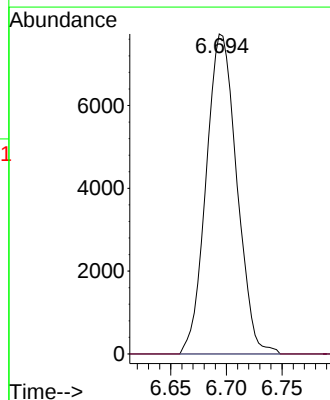
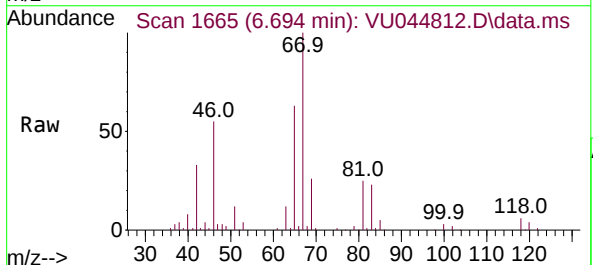
Instrument :
MSVOA_U
ClientSampled :

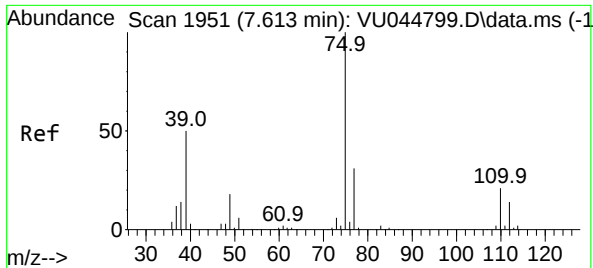
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.1	65.8	98.6#
98	0.0	37.1	55.7#



#37
1,2-Dichloropropane
Concen: 6.114 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.103 min
Lab File: VU044812.D
Acq: 24 Sep 2021 15:10

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



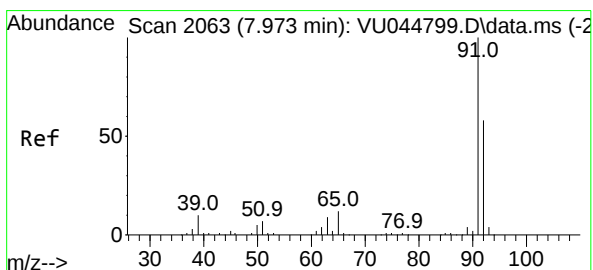
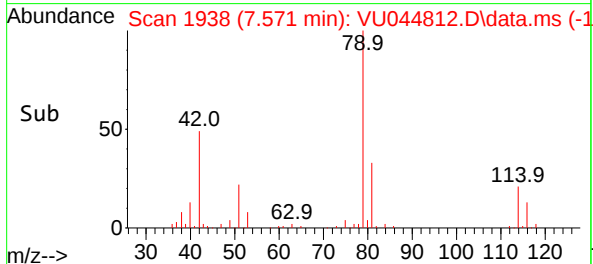
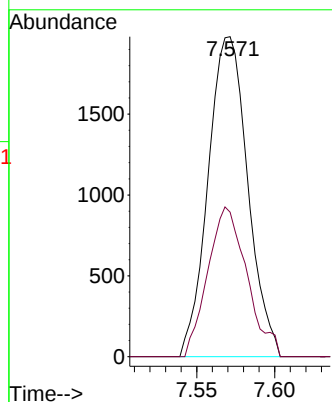
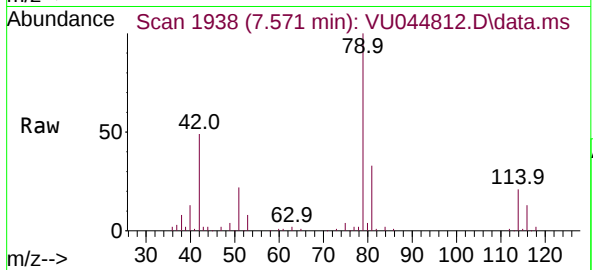


#39

cis-1,3-Dichloropropene
Concen: 1.010 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.042 min
Lab File: VU044812.D
Acq: 24 Sep 2021 15:10

Instrument :
MSVOA_U
ClientSampled :

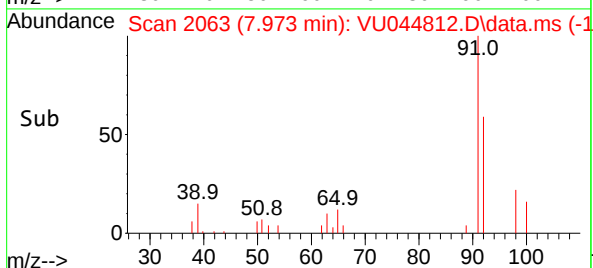
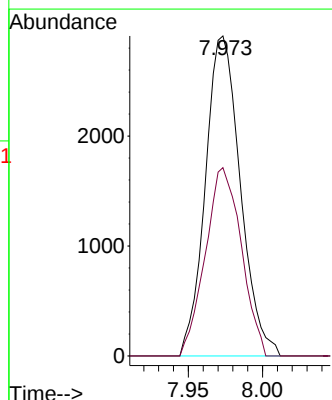
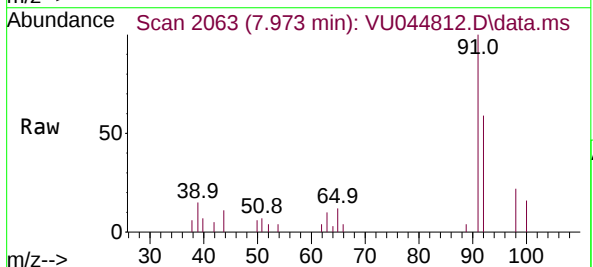
Tgt Ion: 75 Resp: 3498
Ion Ratio Lower Upper
75 100
77 45.2 22.4 41.6#

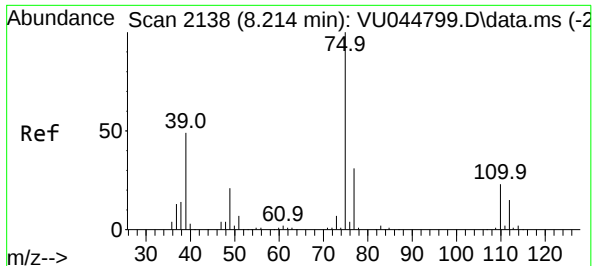


#42

Toluene
Concen: 0.528 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU044812.D
Acq: 24 Sep 2021 15:10

Tgt Ion: 91 Resp: 4770
Ion Ratio Lower Upper
91 100
92 58.9 40.5 75.1

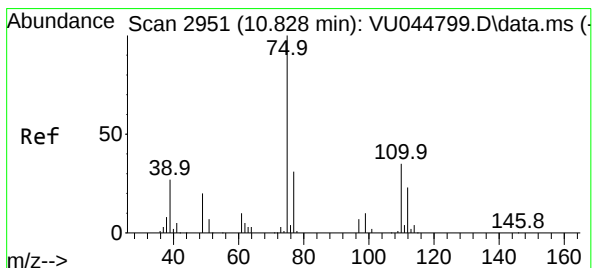
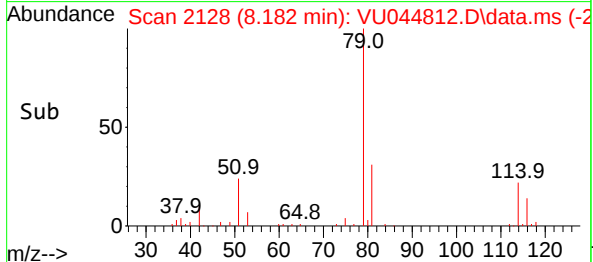
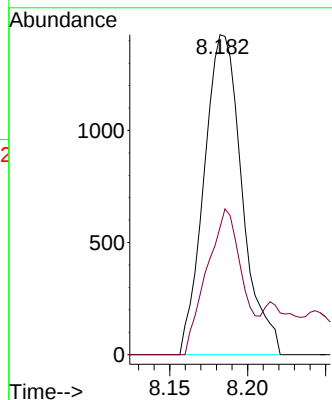
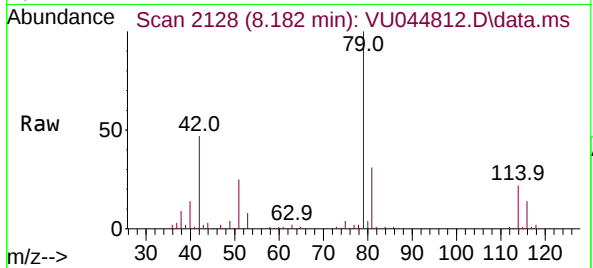




#44
trans-1,3-Dichloropropene
Concen: 0.736 ug/L
RT: 8.182 min Scan# 2128
Delta R.T. -0.032 min
Lab File: VU044812.D
Acq: 24 Sep 2021 15:10

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 75 Resp: 2424
Ion Ratio Lower Upper
75 100
77 39.8 21.7 40.3



#60
1,2,3-Trichloropropane
Concen: 5.128 ug/L
RT: 11.816 min Scan# 3258
Delta R.T. 0.987 min
Lab File: VU044812.D
Acq: 24 Sep 2021 15:10

Tgt Ion: 75 Resp: 14455
Ion Ratio Lower Upper
75 100
77 32.8 25.5 38.3
110 2.0 29.0 43.4#

