

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122021\
 Data File : VU046507.D
 Acq On : 20 Dec 2021 13:21
 Operator : SY/MD
 Sample : M5153-12
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 20 15:46:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 20 00:25:10 2021
 Response via : Initial Calibration

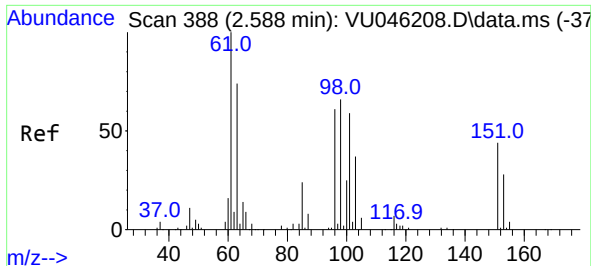
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	92466	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	95596	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	43946	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	49928	65.549	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 131.100%			
7) Chloroethane-d5	1.912	69	37632	64.348	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 128.700%			
11) 1,1-Dichloroethene-d2	2.565	63	64104	46.881	ug/L	-0.01
Spiked Amount 50.000	Range 60 - 125		Recovery = 93.760%			
21) 2-Butanone-d5	4.639	46	63486	104.848	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 104.850%			
24) Chloroform-d	5.060	84	83721	65.820	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 131.640%#			
26) 1,2-Dichloroethane-d4	5.700	65	56710	66.433	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 132.860%#			
32) Benzene-d6	5.726	84	165275	60.320	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 120.640%			
36) 1,2-Dichloropropane-d6	6.690	67	50681	59.684	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 119.360%			
41) Toluene-d8	7.899	98	142243	57.018	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 114.040%			
43) trans-1,3-Dichloroprop...	8.182	79	24617	60.054	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 120.100%			
47) 2-Hexanone-d5	8.636	63	46460	115.395	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 115.400%			
56) 1,1,2,2-Tetrachloroeth...	10.758	84	72026	55.930	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 111.860%			
66) 1,2-Dichlorobenzene-d4	12.195	152	51404	60.738	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 121.480%#			
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.559	101	456	0.678	ug/L #	21
12) 1,1-Dichloroethene	2.568	96	443	0.693	ug/L #	1
13) Acetone	2.665	43	2120	2.801	ug/L	80
35) Methylcyclohexane	6.690	83	12276	10.387	ug/L #	20
37) 1,2-Dichloropropane	6.690	63	5825	7.685	ug/L #	86
39) cis-1,3-Dichloropropene	7.562	75	1527	1.324	ug/L #	59
44) trans-1,3-Dichloropropene	8.182	75	1075	0.949	ug/L	93
60) 1,2,3-Trichloropropane	11.815	75	5536	5.747	ug/L #	64

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

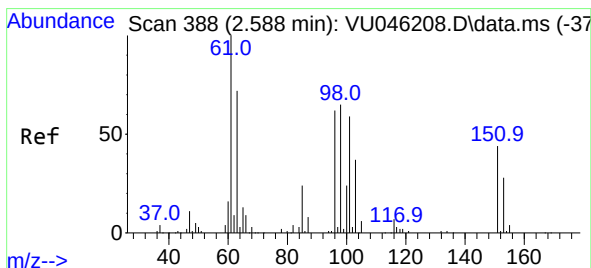
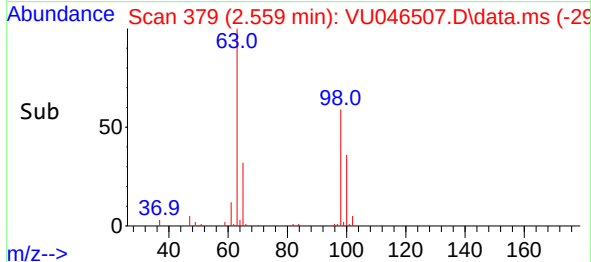
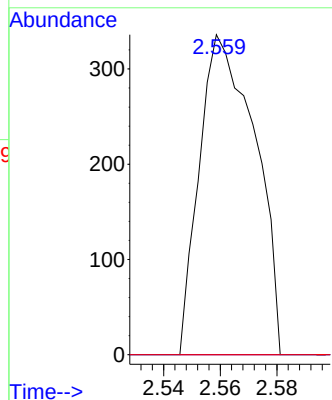
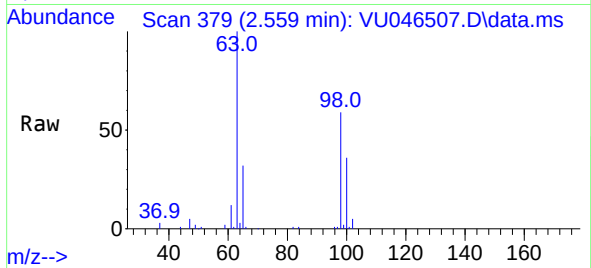
The chromatogram displays the abundance of various chemical compounds over time. The y-axis represents Abundance, ranging from 0 to 260,000. The x-axis represents Time in minutes, ranging from 0.00 to 17.00. The following table lists the labeled compounds and their approximate retention times:

Compound	Approximate Retention Time (min)
Vinyl Chloride-d3,S	1.5
Chloroethane-d5,S	1.8
Acetone,T	2.5
1,1,2,2-Tetrachloroethane-d2,S	2.8
1,1,2,2-Tetrachloroethane-d4,S	2.8
2-Butanone-d5,S	4.8
Chloroform-d,S	5.2
1,2-Dichloroethane-d4,S	5.8
1,4-Difluorobenzene,I	6.2
Methylchloroacetate,I	6.5
cis-1,3-Dichloropropene,T	7.8
trans-1,3-Dichloropropene,I	8.2
2-Hexanone-d5,S	8.5
Chlorobenzene-d5,I	9.5
1,1,2,2-Tetrachloroethane-d2,S	11.0
1,2-Dichlorobenzene-d4,S	12.0



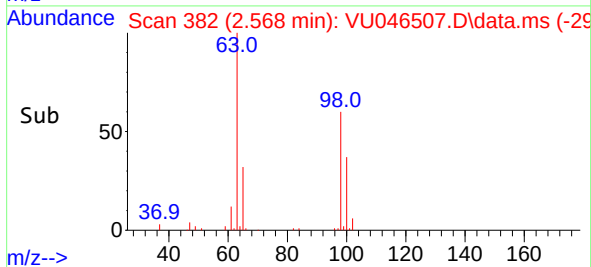
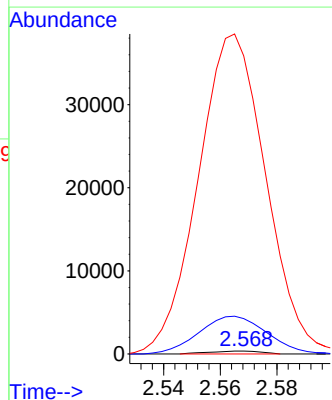
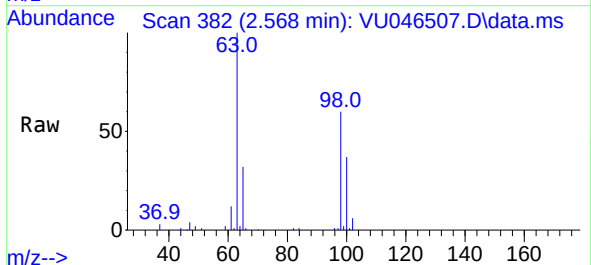
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.678 ug/L
RT: 2.559 min Scan# 379
Delta R.T. -0.029 min
Lab File: VU046507.D
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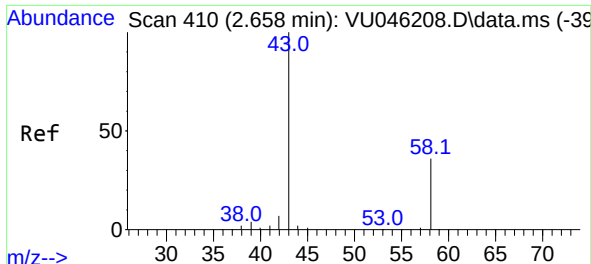
Tgt Ion:101 Resp: 456
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#12
1,1-Dichloroethene
Concen: 0.693 ug/L
RT: 2.568 min Scan# 382
Delta R.T. -0.019 min
Lab File: VU046507.D
Acq: 20 Dec 2021 13:21

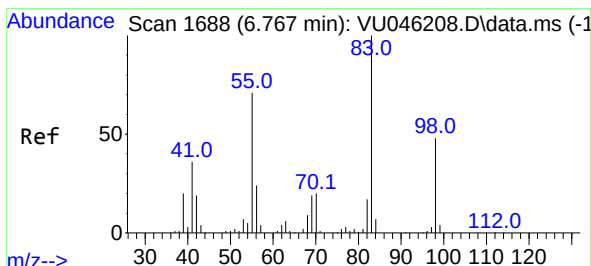
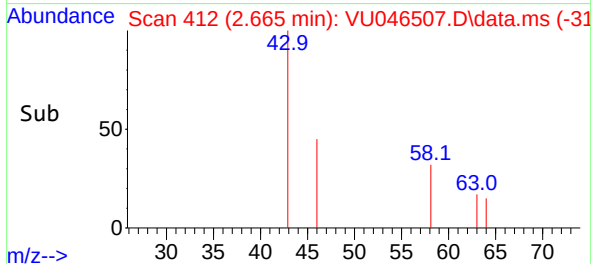
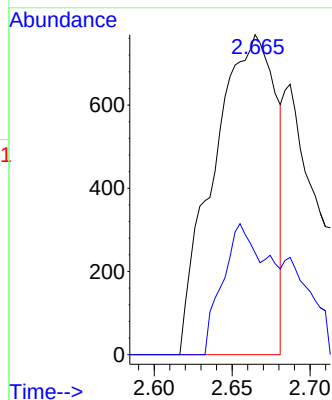
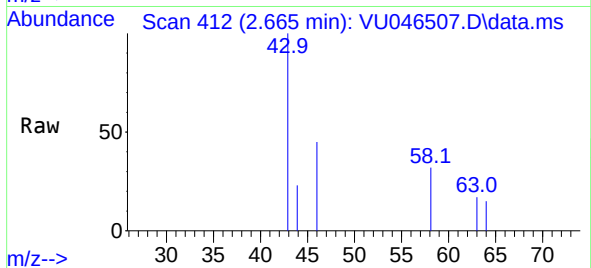
Tgt Ion: 96 Resp: 443
Ion Ratio Lower Upper
96 100
61 1215.4 118.6 220.2#
63 10249.1 93.0 172.8#





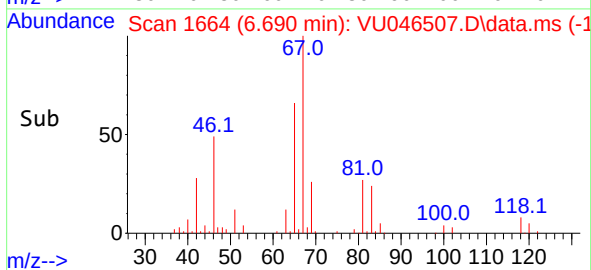
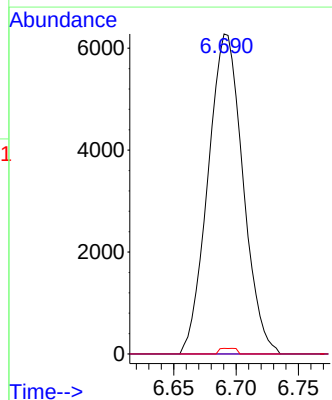
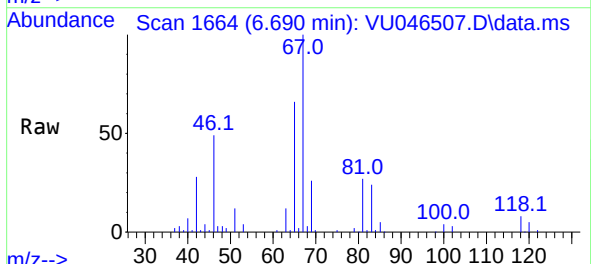
#13
Acetone
Concen: 2.801 ug/L
RT: 2.665 min Scan# 412
Delta R.T. 0.000 min
Lab File: VU046507.D
Acq: 20 Dec 2021 13:21

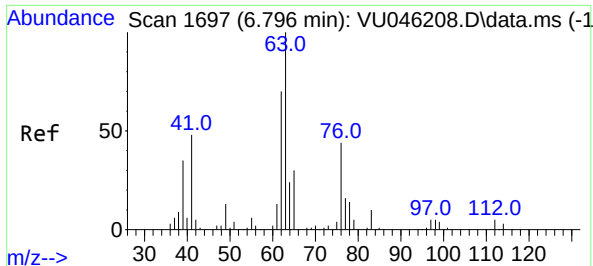
Tgt Ion: 43 Resp: 2120
Ion Ratio Lower Upper
43 100
58 22.3 0.0 66.8



#35
Methylcyclohexane
Concen: 10.387 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.077 min
Lab File: VU046507.D
Acq: 20 Dec 2021 13:21

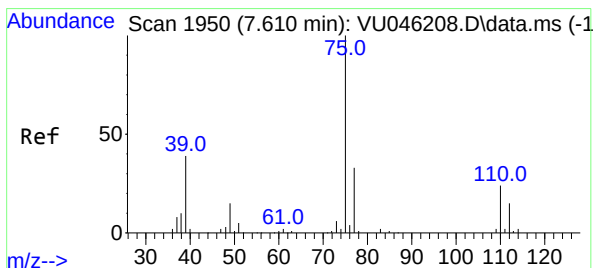
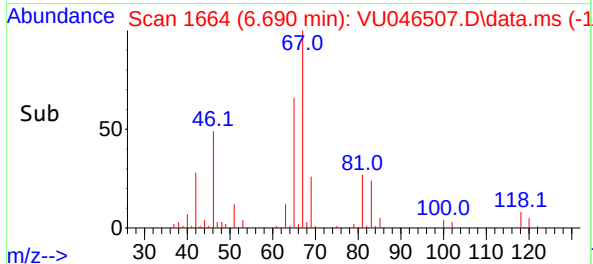
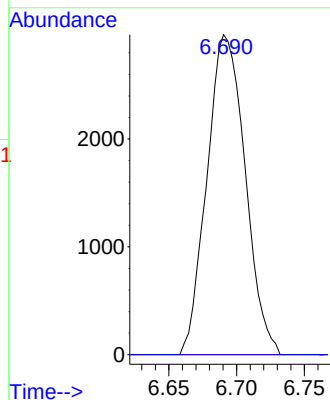
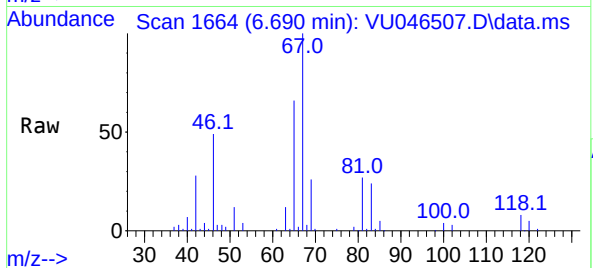
Tgt Ion: 83 Resp: 12276
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.6#
98 0.5 38.4 57.6#





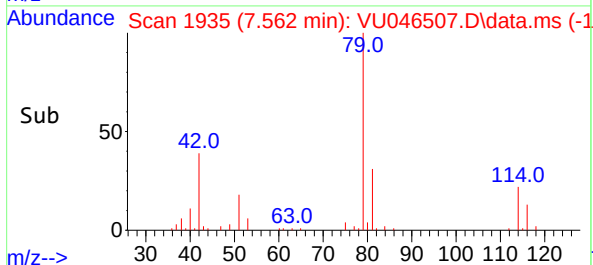
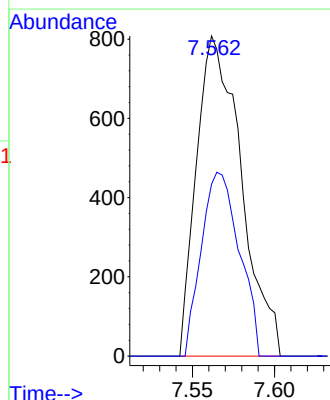
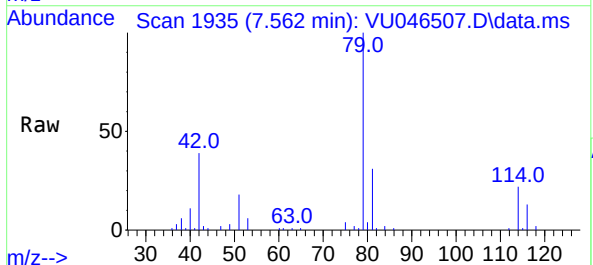
#37
1,2-Dichloropropane
Concen: 7.685 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.103 min
Lab File: VU046507.D
Acq: 20 Dec 2021 13:21

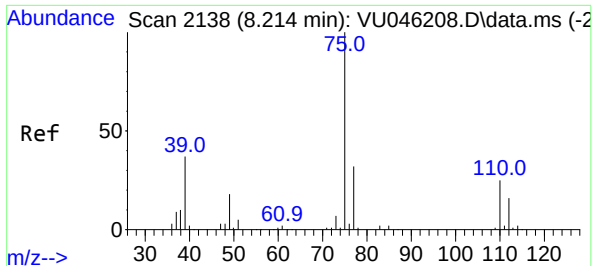
Tgt Ion: 63 Resp: 5825
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#



#39
cis-1,3-Dichloropropene
Concen: 1.324 ug/L
RT: 7.562 min Scan# 1935
Delta R.T. -0.048 min
Lab File: VU046507.D
Acq: 20 Dec 2021 13:21

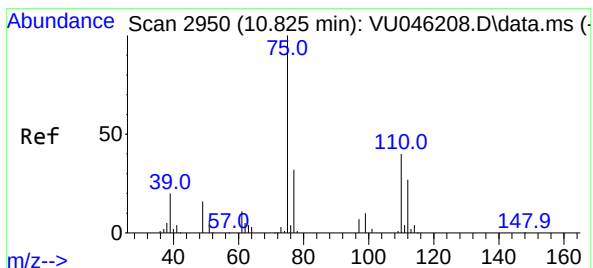
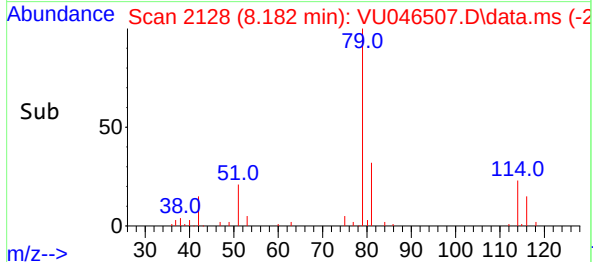
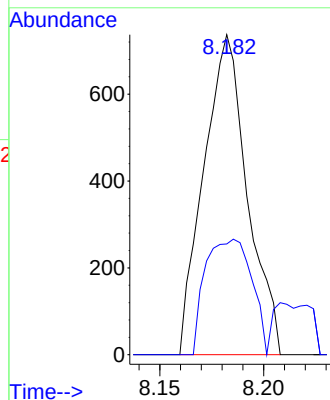
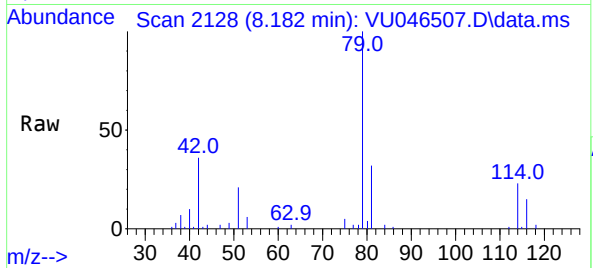
Tgt Ion: 75 Resp: 1527
Ion Ratio Lower Upper
75 100
77 53.7 21.8 40.6#





#44
trans-1,3-Dichloropropene
Concen: 0.949 ug/L
RT: 8.182 min Scan# 2128
Delta R.T. -0.032 min
Lab File: VU046507.D
Acq: 20 Dec 2021 13:21

Tgt Ion: 75 Resp: 1075
Ion Ratio Lower Upper
75 100
77 34.6 21.7 40.3



#60
1,2,3-Trichloropropane
Concen: 5.747 ug/L
RT: 11.815 min Scan# 3258
Delta R.T. 0.990 min
Lab File: VU046507.D
Acq: 20 Dec 2021 13:21

Tgt Ion: 75 Resp: 5536
Ion Ratio Lower Upper
75 100
77 32.7 26.4 39.6
110 0.0 32.4 48.6#

