

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122021\
 Data File : VU046515.D
 Acq On : 20 Dec 2021 17:15
 Operator : SY/MD
 Sample : M5150-26 40X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 21 00:17:11 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

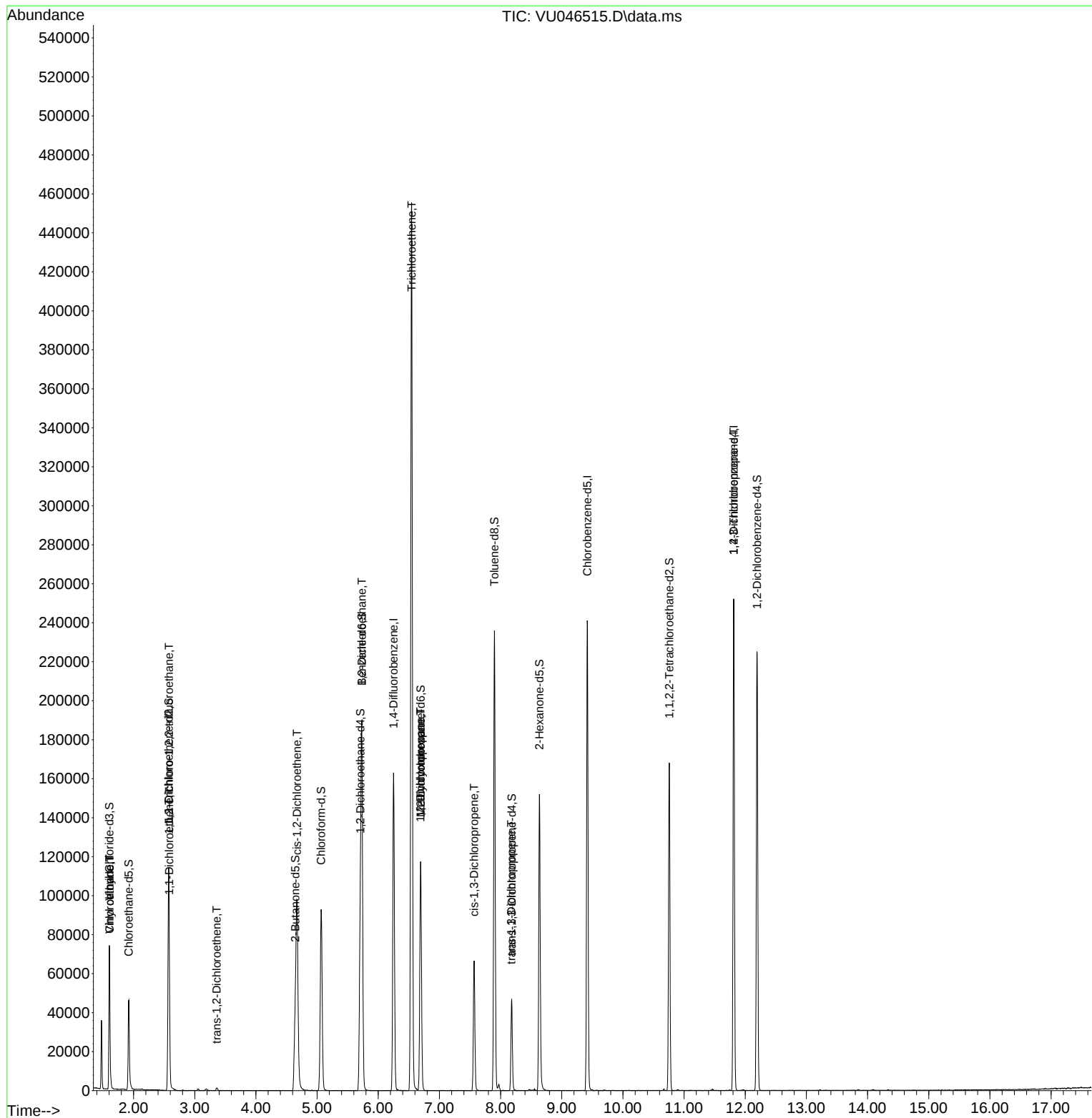
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

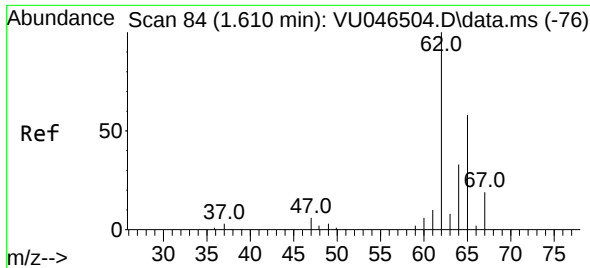
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	131867	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	134452	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	65689	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	50955	46.909	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	93.820%		
7) Chloroethane-d5	1.919	69	38598	46.280	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	92.560%		
11) 1,1-Dichloroethene-d2	2.575	63	69058	35.414	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	70.820%		
21) 2-Butanone-d5	4.645	46	75599	87.548	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	87.550%		
24) Chloroform-d	5.067	84	89338	49.250	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.500%		
26) 1,2-Dichloroethane-d4	5.706	65	59757	49.086	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.180%		
32) Benzene-d6	5.732	84	176054	45.685	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.380%		
36) 1,2-Dichloropropane-d6	6.693	67	54459	45.599	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	91.200%		
41) Toluene-d8	7.899	98	155461	44.307	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.620%		
43) trans-1,3-Dichloroprop...	8.182	79	27153	47.097	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.200%		
47) 2-Hexanone-d5	8.636	63	56386	99.575	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	99.580%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	80473	44.430	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	88.860%		
66) 1,2-Dichlorobenzene-d4	12.195	152	58843	46.514	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.020%		
Target Compounds						Qvalue
5) Vinyl chloride	1.610	62	8006	6.188	ug/L	94
8) Chloroethane	1.610	64	2973	3.968	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	464	0.484	ug/L #	21
12) 1,1-Dichloroethene	2.584	96	3677	4.033	ug/L #	1
17) trans-1,2-Dichloroethene	3.359	96	658	0.682	ug/L	91
20) cis-1,2-Dichloroethene	4.671	96	43079	41.146	ug/L	98
27) 1,2-Dichloroethane	5.732	62	1041	0.720	ug/L #	73
34) Trichloroethene	6.546	95	156659	146.132	ug/L	98
35) Methylcyclohexane	6.693	83	13702	8.243	ug/L #	20
37) 1,2-Dichloropropane	6.690	63	5972	5.602	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	1695	1.045	ug/L	87
44) trans-1,3-Dichloropropene	8.176	75	1201	0.754	ug/L	98
60) 1,2,3-Trichloropropane	11.812	75	8003	5.558	ug/L #	66

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

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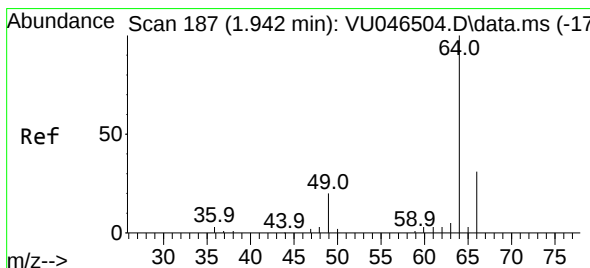
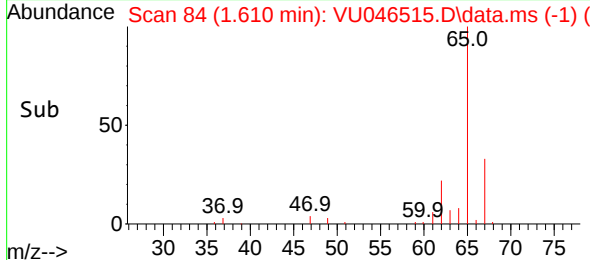
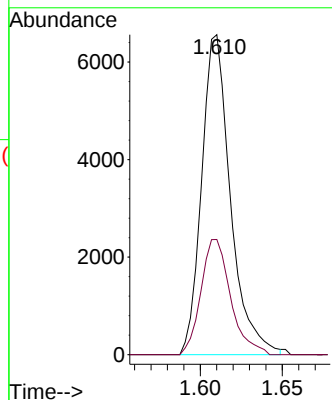
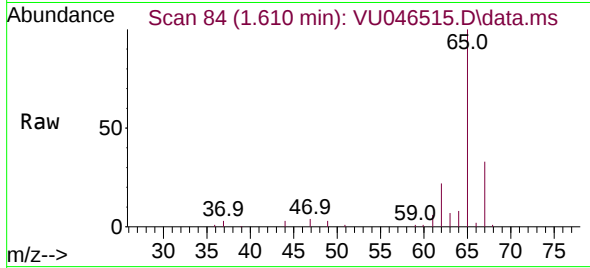
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
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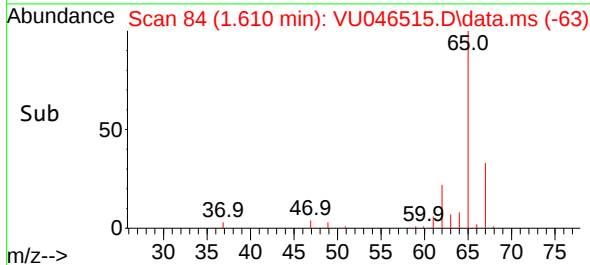
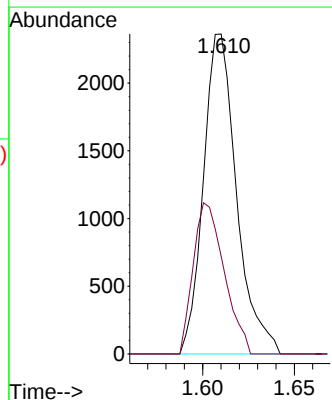
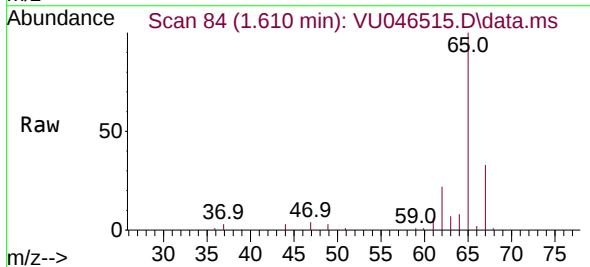
#5
 Vinyl chloride
 Concen: 6.188 ug/L
 RT: 1.610 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VU046515.D
 Acq: 20 Dec 2021 17:15

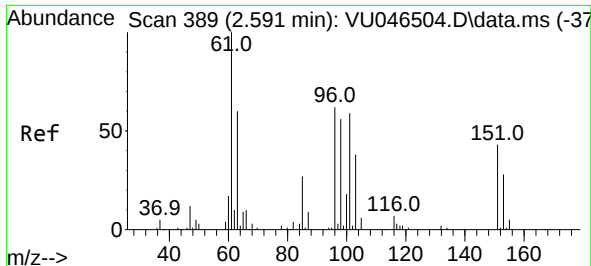
Tgt Ion	Ratio	Lower	Upper
62	100		
64	36.0	22.9	42.5



#8
 Chloroethane
 Concen: 3.968 ug/L
 RT: 1.610 min Scan# 84
 Delta R.T. -0.331 min
 Lab File: VU046515.D
 Acq: 20 Dec 2021 17:15

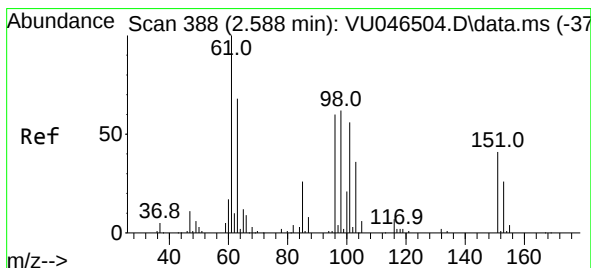
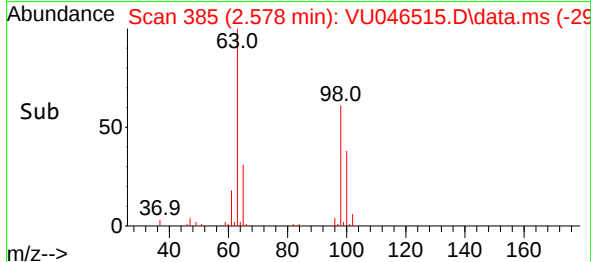
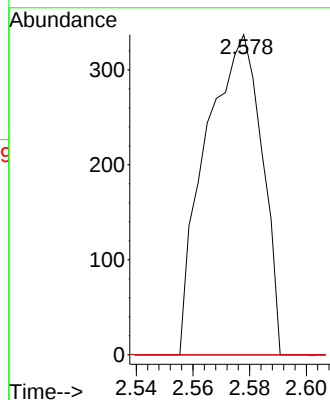
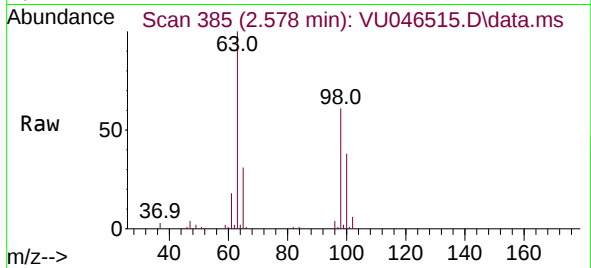
Tgt Ion	Ratio	Lower	Upper
64	100		
66	30.6	22.5	41.9





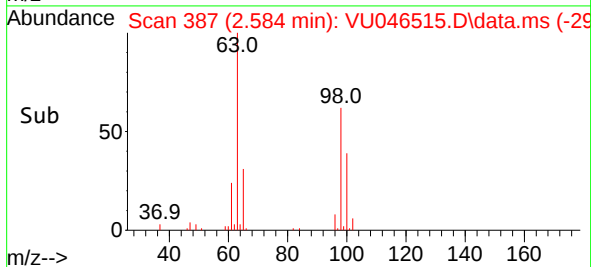
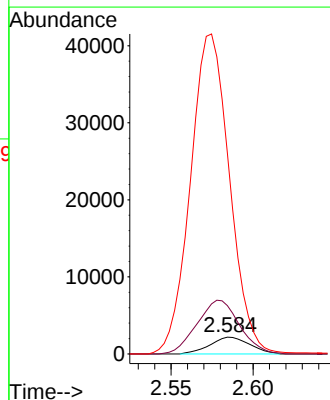
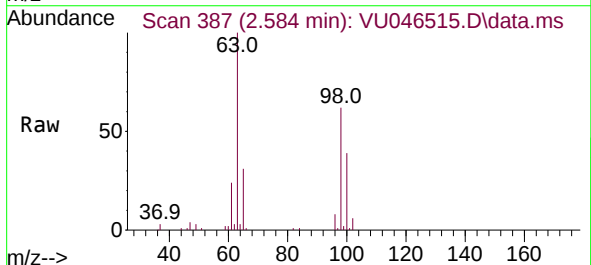
#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.484 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.010 min
 Lab File: VU046515.D
 Acq: 20 Dec 2021 17:15

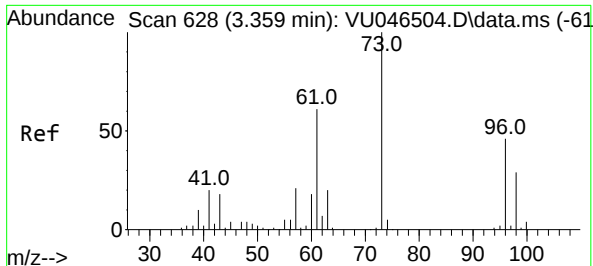
Tgt Ion:101 Resp: 464
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.7 85.1#



#12
 1,1-Dichloroethene
 Concen: 4.033 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. -0.003 min
 Lab File: VU046515.D
 Acq: 20 Dec 2021 17:15

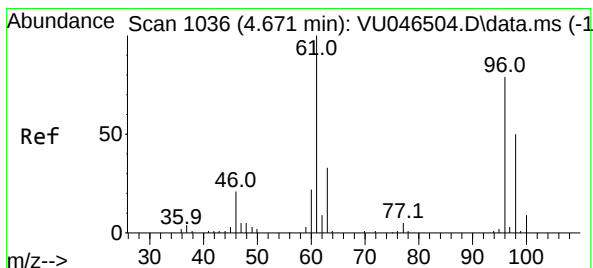
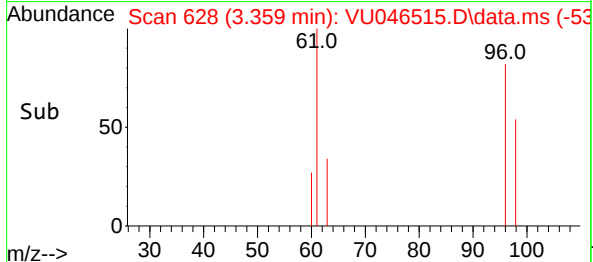
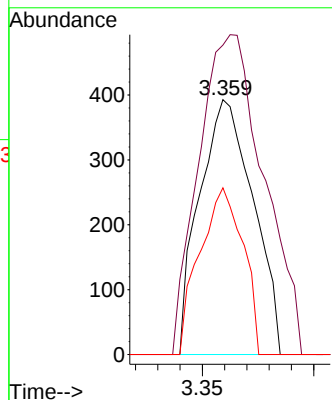
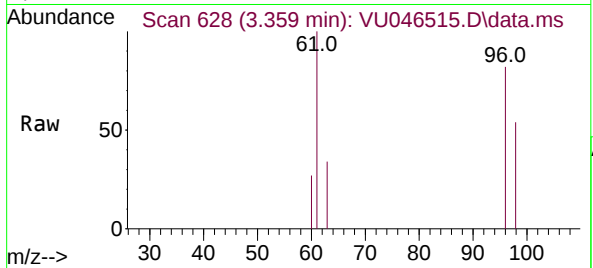
Tgt Ion: 96 Resp: 3677
 Ion Ratio Lower Upper
 96 100
 61 289.0 118.6 220.2#
 63 1198.9 93.0 172.8#





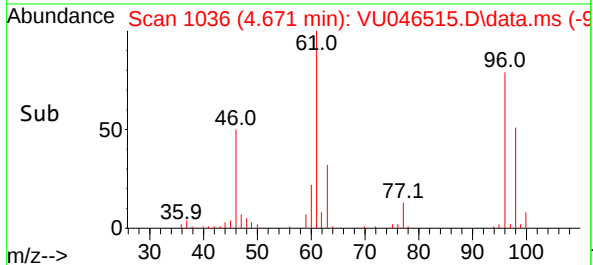
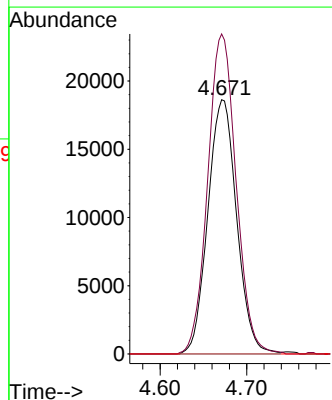
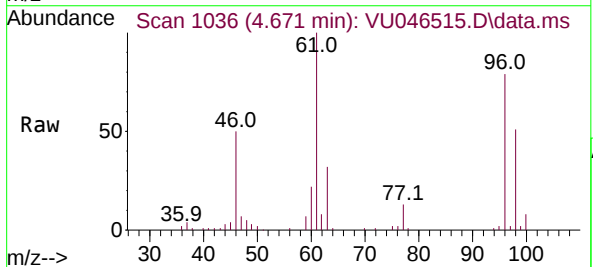
#17
trans-1,2-Dichloroethene
Concen: 0.682 ug/L
RT: 3.359 min Scan# 628
Delta R.T. 0.000 min
Lab File: VU046515.D
Acq: 20 Dec 2021 17:15

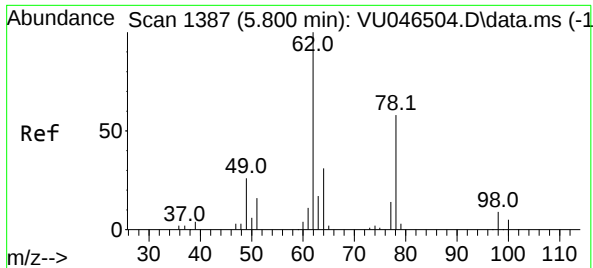
Tgt Ion: 96 Resp: 658
Ion Ratio Lower Upper
96 100
61 121.4 94.6 175.6
98 65.4 44.0 81.8



#20
cis-1,2-Dichloroethene
Concen: 41.146 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VU046515.D
Acq: 20 Dec 2021 17:15

Tgt Ion: 96 Resp: 43079
Ion Ratio Lower Upper
96 100
61 125.8 86.8 161.2
68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 0.720 ug/L

RT: 5.732 min Scan# 1366

Delta R.T. -0.068 min

Lab File: VU046515.D

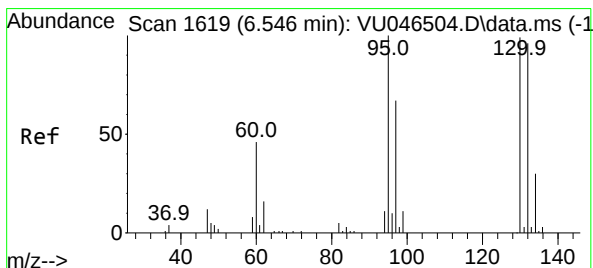
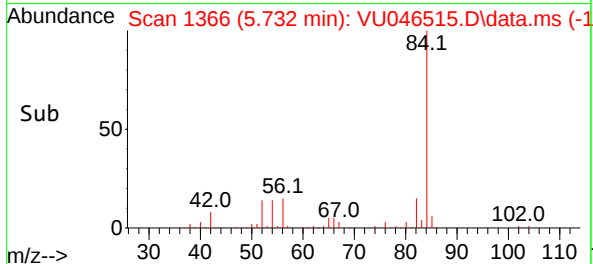
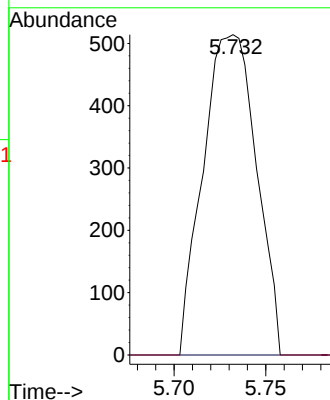
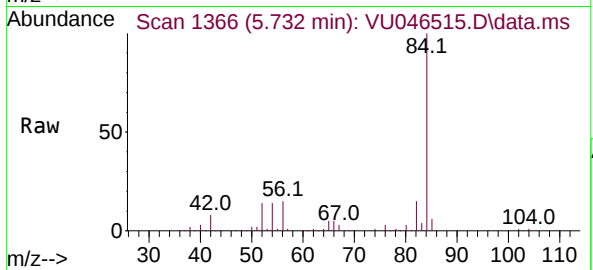
Acq: 20 Dec 2021 17:15

Tgt Ion: 62 Resp: 1041

Ion Ratio Lower Upper

62 100

98 0.0 7.9 11.9#



#34

Trichloroethene

Concen: 146.132 ug/L

RT: 6.546 min Scan# 1619

Delta R.T. 0.000 min

Lab File: VU046515.D

Acq: 20 Dec 2021 17:15

Tgt Ion: 95 Resp: 156659

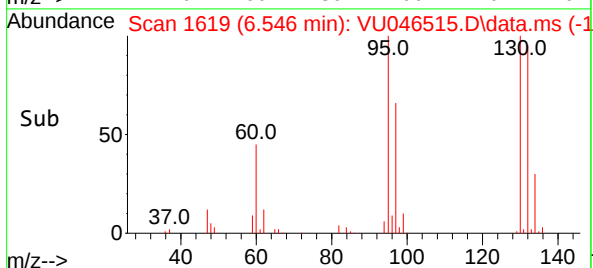
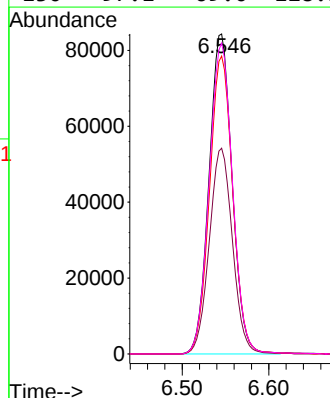
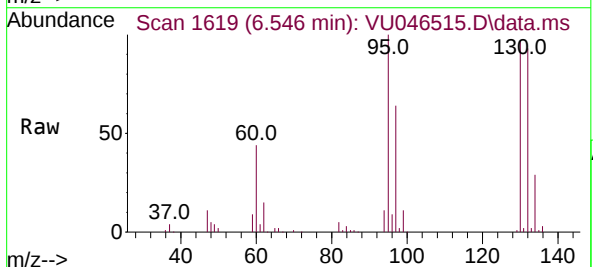
Ion Ratio Lower Upper

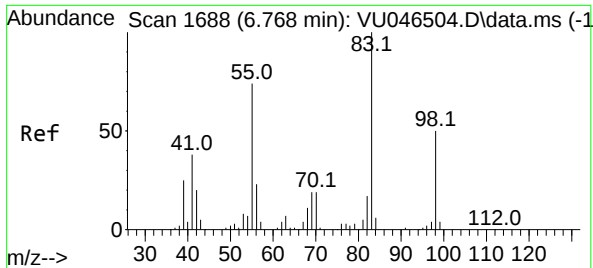
95 100

97 64.3 44.1 81.9

132 93.1 66.8 124.0

130 97.1 69.0 128.1





#35

Methylcyclohexane

Concen: 8.243 ug/L

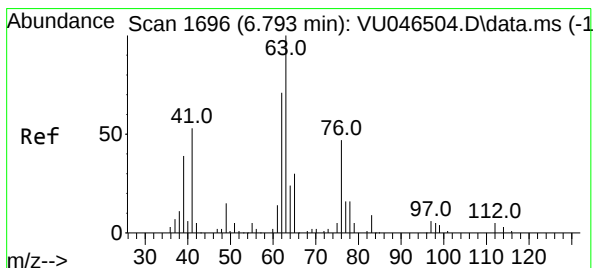
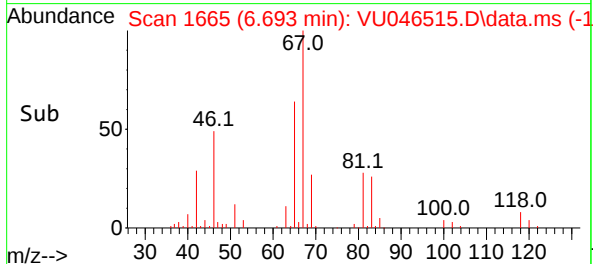
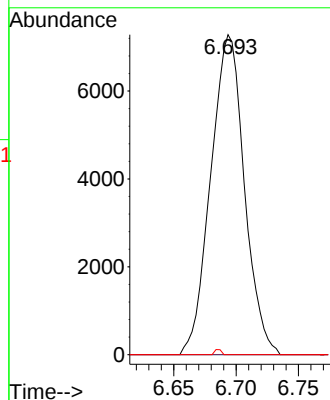
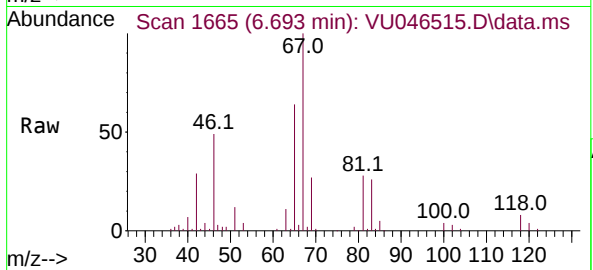
RT: 6.693 min Scan# 1665

Delta R.T. -0.074 min

Lab File: VU046515.D

Acq: 20 Dec 2021 17:15

Tgt Ion: 83	Resp: 13702
Ion Ratio	Lower Upper
83 100	
55 0.0	57.8 86.6#
98 0.3	38.4 57.6#



#37

1,2-Dichloropropane

Concen: 5.602 ug/L

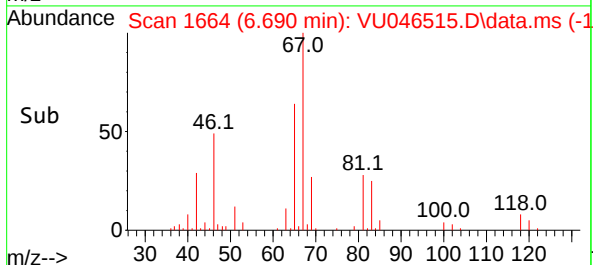
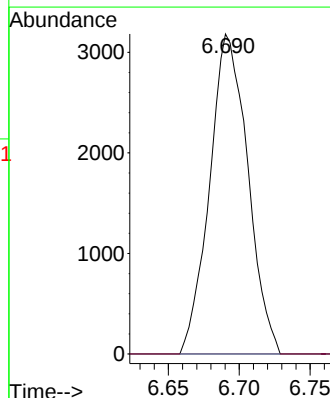
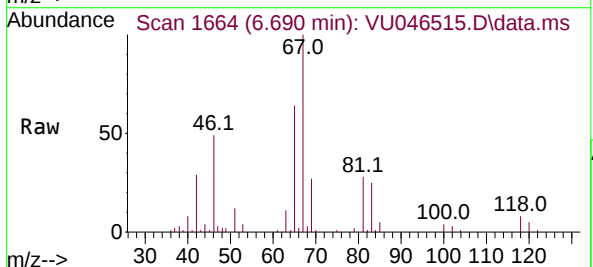
RT: 6.690 min Scan# 1664

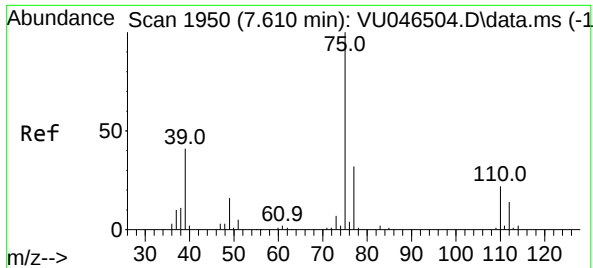
Delta R.T. -0.103 min

Lab File: VU046515.D

Acq: 20 Dec 2021 17:15

Tgt Ion: 63	Resp: 5972
Ion Ratio	Lower Upper
63 100	
112 0.0	3.8 5.6#

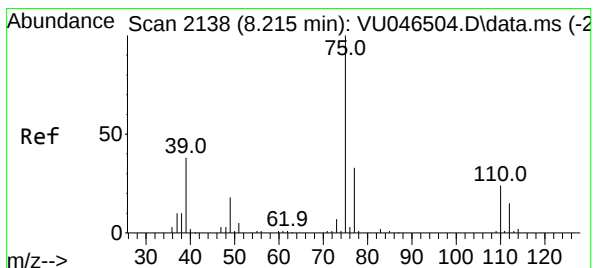
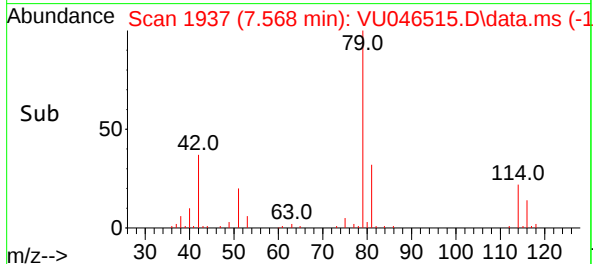
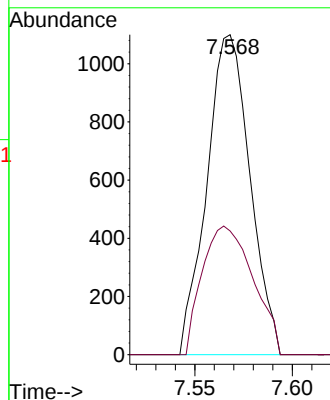
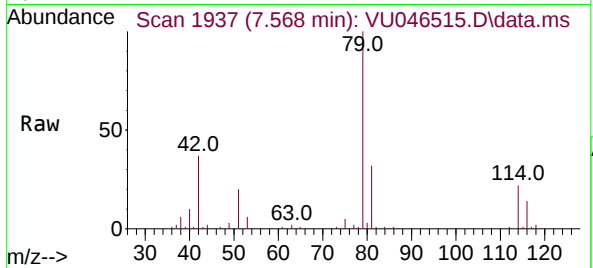




#39

cis-1,3-Dichloropropene
Concen: 1.045 ug/L
RT: 7.568 min Scan# 1937
Delta R.T. -0.042 min
Lab File: VU046515.D
Acq: 20 Dec 2021 17:15

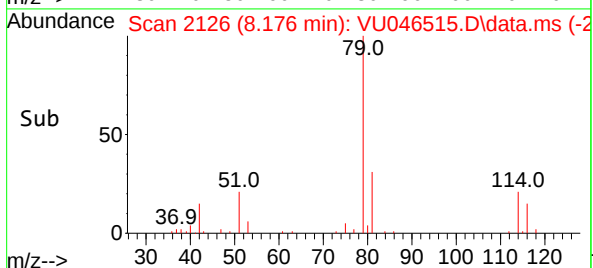
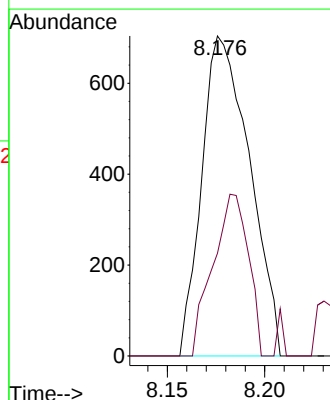
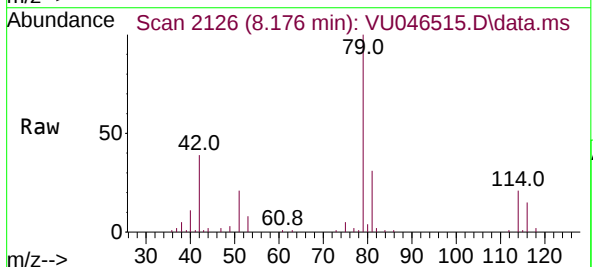
Tgt Ion: 75 Resp: 1695
Ion Ratio Lower Upper
75 100
77 38.6 21.8 40.6

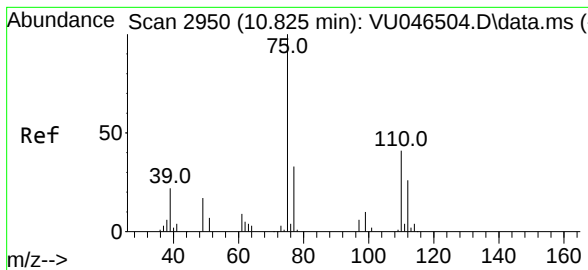


#44

trans-1,3-Dichloropropene
Concen: 0.754 ug/L
RT: 8.176 min Scan# 2126
Delta R.T. -0.039 min
Lab File: VU046515.D
Acq: 20 Dec 2021 17:15

Tgt Ion: 75 Resp: 1201
Ion Ratio Lower Upper
75 100
77 32.1 21.7 40.3





#60
 1,2,3-Trichloropropane
 Concen: 5.558 ug/L
 RT: 11.812 min Scan# 3257
 Delta R.T. 0.987 min
 Lab File: VU046515.D
 Acq: 20 Dec 2021 17:15

Tgt Ion: 75	Resp:	8003
Ion Ratio	Lower	Upper
75	100	
77	33.1	26.4 39.6
110	2.1	32.4 48.6#

