

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100421\
 Data File : VU045115.D
 Acq On : 04 Oct 2021 23:21
 Operator : SY/MD
 Sample : M4023-12 100X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK1

Quant Time: Oct 05 07:02:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 05 02:41:56 2021
 Response via : Initial Calibration

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

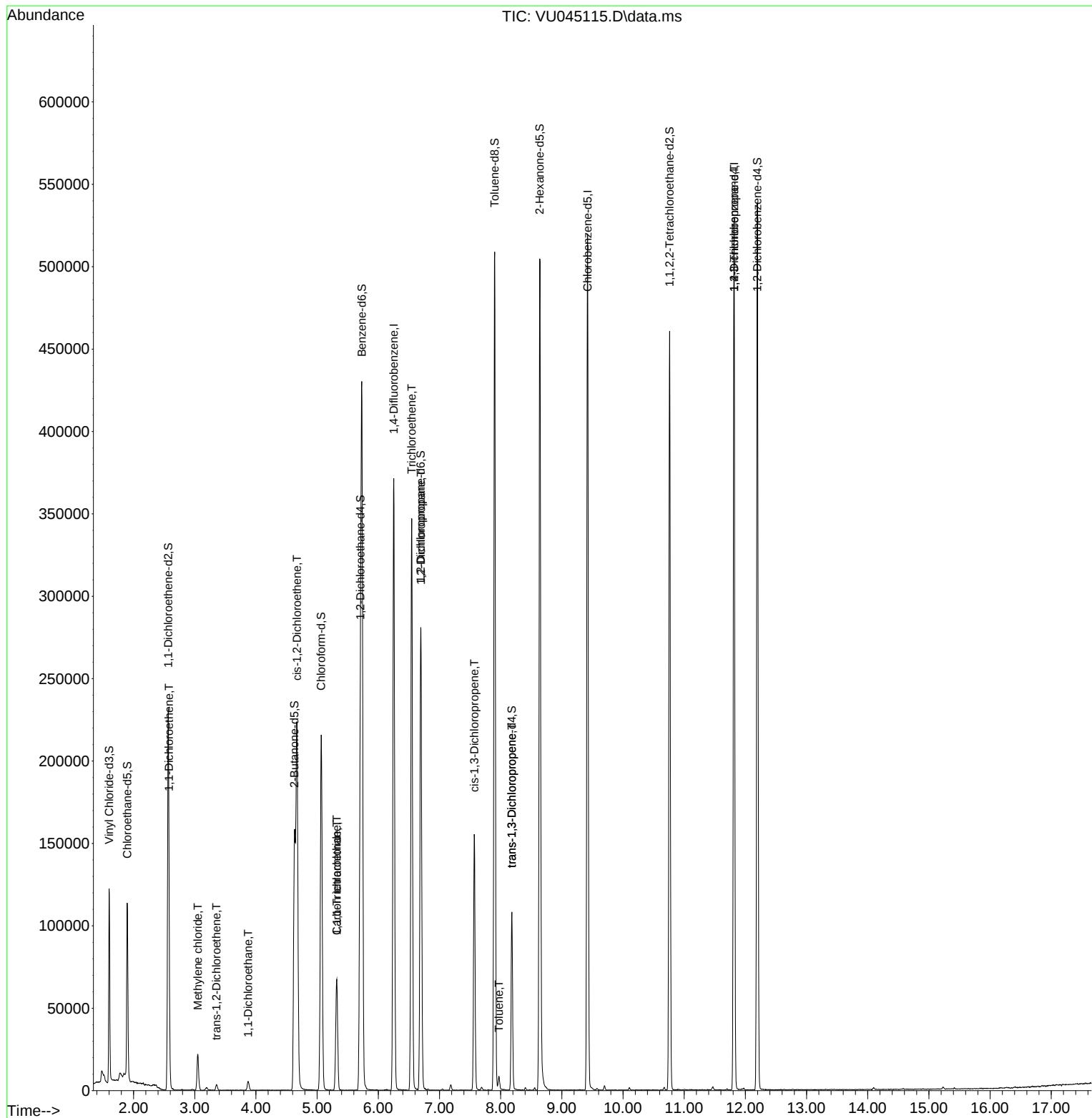
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	290571	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	270841	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	131128	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	83577	26.275	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	52.540%#		
7) Chloroethane-d5	1.896	69	80770	32.043	ug/L	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery =	64.080%#		
11) 1,1-Dichloroethene-d2	2.565	63	134689	25.214	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	50.420%#		
21) 2-Butanone-d5	4.629	46	236674	94.115	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	94.110%		
24) Chloroform-d	5.067	84	193663	38.548	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	77.100%		
26) 1,2-Dichloroethane-d4	5.706	65	138316	40.645	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	81.300%		
32) Benzene-d6	5.732	84	381231	40.565	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	81.120%		
36) 1,2-Dichloropropane-d6	6.694	67	128854	42.049	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	84.100%		
41) Toluene-d8	7.902	98	327296	40.355	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	80.720%		
43) trans-1,3-Dichloroprop...	8.182	79	57137	41.916	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	83.840%		
47) 2-Hexanone-d5	8.639	63	186692	109.935	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	109.940%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	223206	46.776	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	93.560%		
66) 1,2-Dichlorobenzene-d4	12.195	152	132006	46.258	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.520%		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.578	96	11843	5.263	ug/L #	1
16) Methylene chloride	3.051	84	10649	3.736	ug/L	94
17) trans-1,2-Dichloroethene	3.356	96	1589	0.670	ug/L	96
19) 1,1-Dichloroethane	3.874	63	6535	1.325	ug/L	96
20) cis-1,2-Dichloroethene	4.671	96	103646	39.682	ug/L	92
30) 1,1,1-Trichloroethane	5.321	97	47551	12.683	ug/L	98
31) Carbon tetrachloride	5.321	117	6166	2.082	ug/L	93
34) Trichloroethene	6.546	95	116614	48.331	ug/L	98
37) 1,2-Dichloropropane	6.697	63	14517	5.308	ug/L #	88
39) cis-1,3-Dichloropropene	7.571	75	3501	0.895	ug/L #	66
42) Toluene	7.973	91	5628	0.551	ug/L	89
44) trans-1,3-Dichloropropene	8.182	75	2556	0.687	ug/L #	81
60) 1,2,3-Trichloropropane	11.816	75	17110	4.718	ug/L #	67

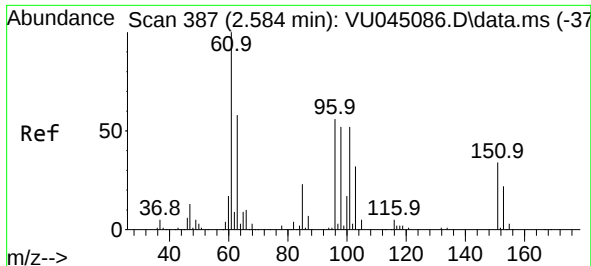
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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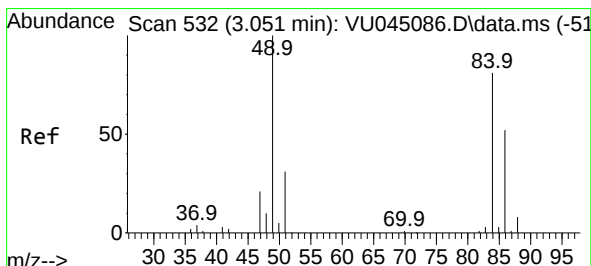
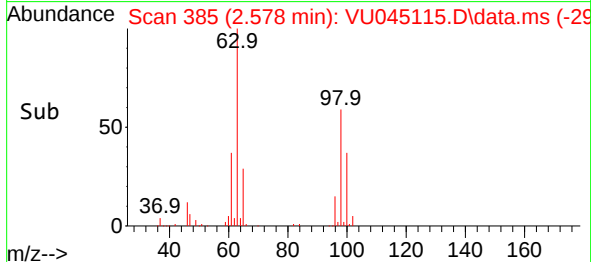
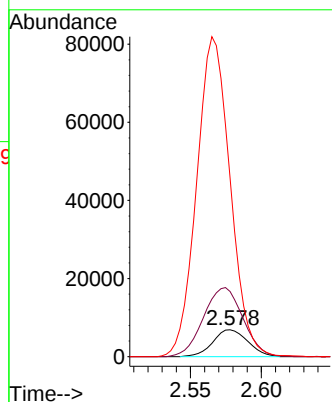
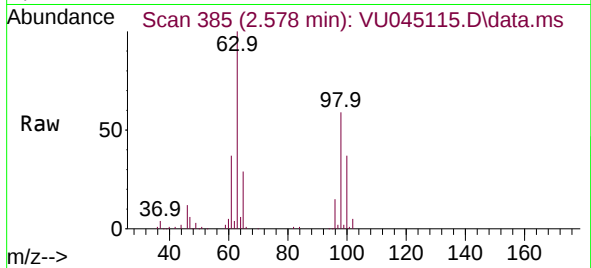




#12
1,1-Dichloroethene
Concen: 5.263 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.006 min
Lab File: VU045115.D
Acq: 04 Oct 2021 23:21

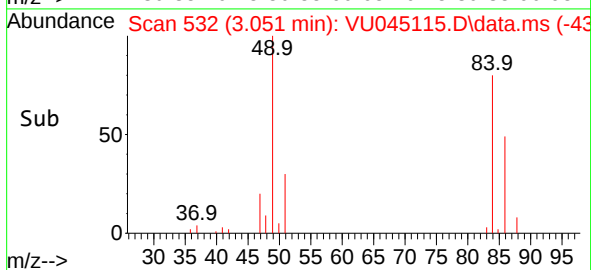
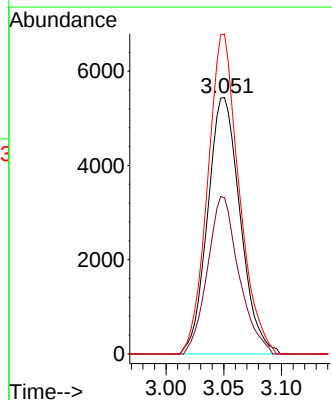
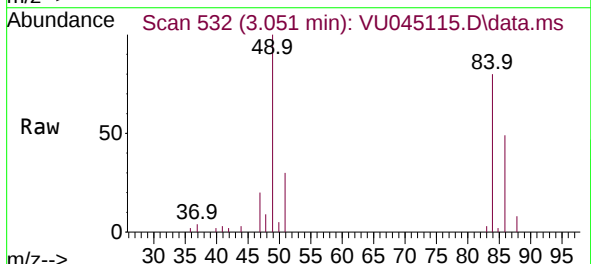
Instrument :
MSVOA_U
ClientSampleId :
C0AK1

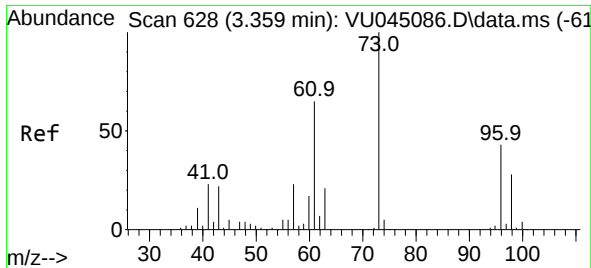
Tgt Ion: 96 Resp: 11843
Ion Ratio Lower Upper
96 100
61 242.3 131.3 243.9
63 663.0 102.5 190.3#



#16
Methylene chloride
Concen: 3.736 ug/L
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU045115.D
Acq: 04 Oct 2021 23:21

Tgt Ion: 84 Resp: 10649
Ion Ratio Lower Upper
84 100
86 60.9 44.7 83.1
49 124.7 92.9 172.5

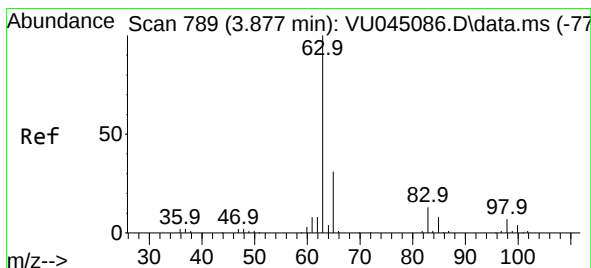
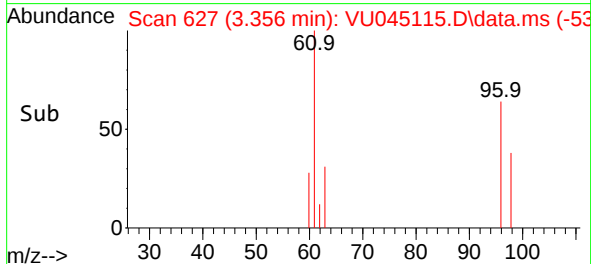
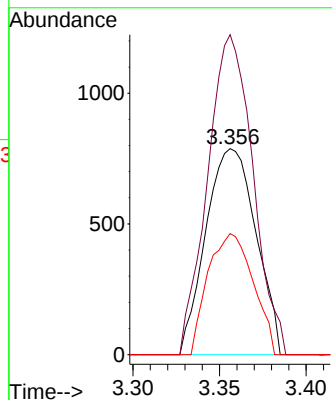
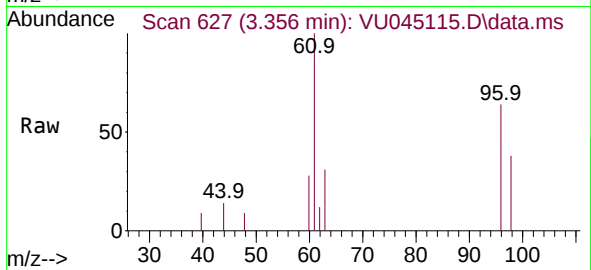




#17
trans-1,2-Dichloroethene
Concen: 0.670 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.003 min
Lab File: VU045115.D
Acq: 04 Oct 2021 23:21

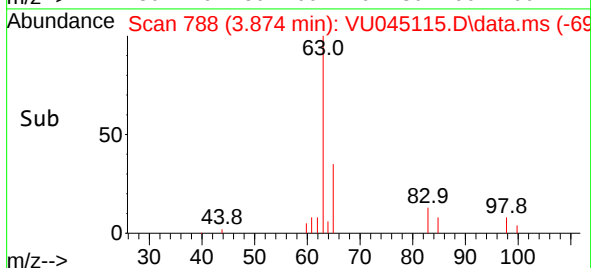
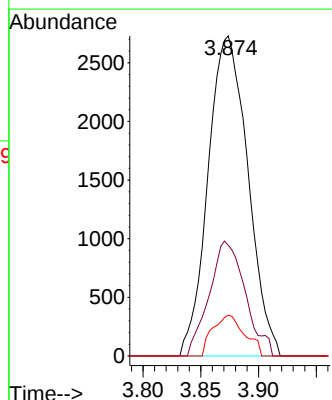
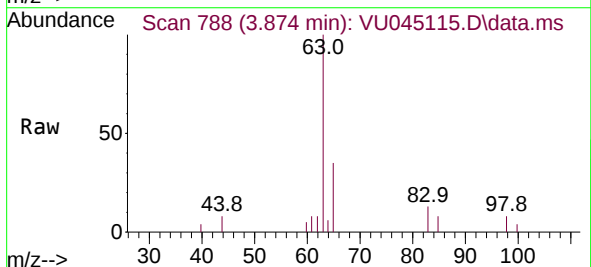
Instrument :
MSVOA_U
ClientSampleId :
C0AK1

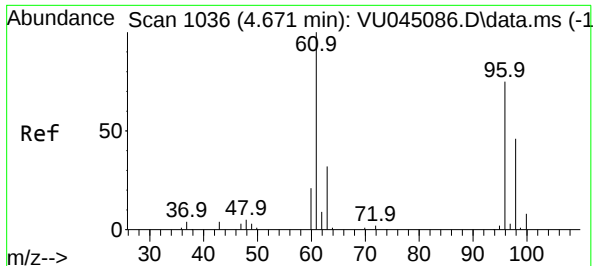
Tgt Ion: 96 Resp: 1589
Ion Ratio Lower Upper
96 100
61 155.3 105.1 195.3
98 58.8 43.0 79.8



#19
1,1-Dichloroethane
Concen: 1.325 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.003 min
Lab File: VU045115.D
Acq: 04 Oct 2021 23:21

Tgt Ion: 63 Resp: 6535
Ion Ratio Lower Upper
63 100
65 34.6 22.0 40.8
83 12.8 9.0 16.6



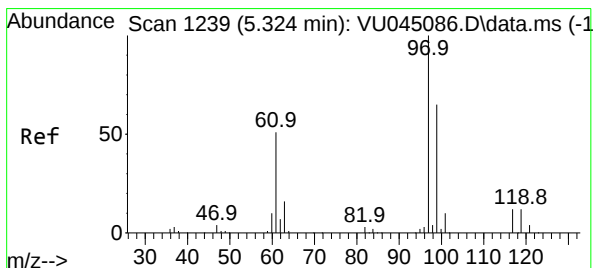
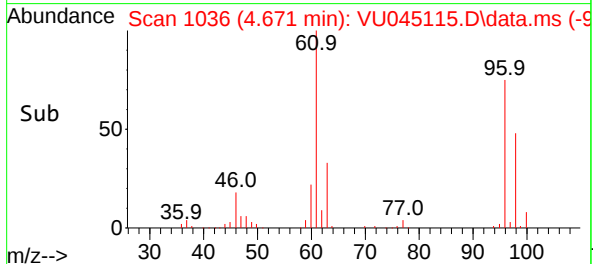
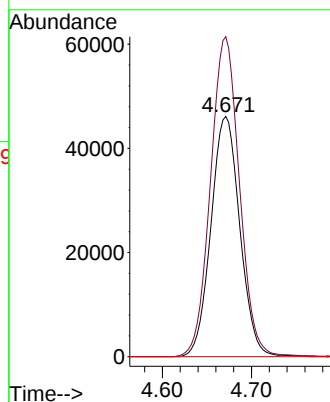
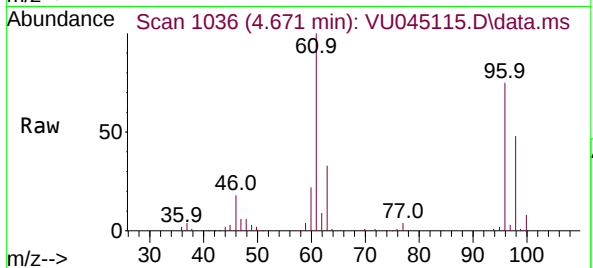


#20

cis-1,2-Dichloroethene
Concen: 39.682 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VU045115.D
Acq: 04 Oct 2021 23:21

Instrument :
MSVOA_U
ClientSampleId :
C0AK1

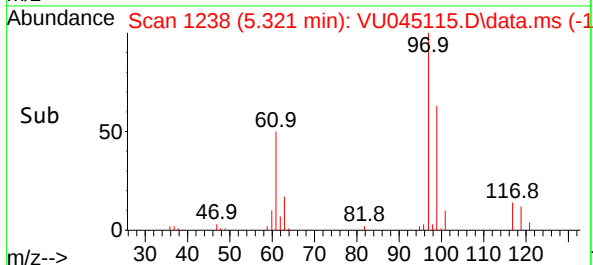
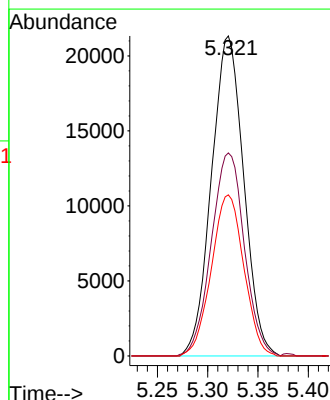
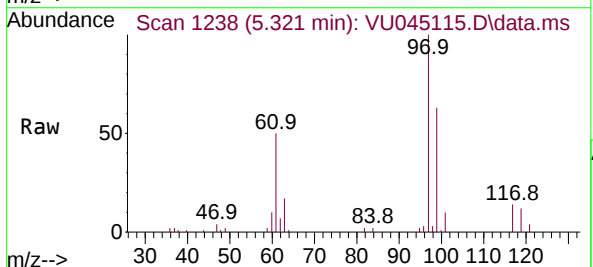
Tgt Ion: 96 Resp: 103646
Ion Ratio Lower Upper
96 100
61 133.2 100.2 186.0
68 0.0 0.0 0.0

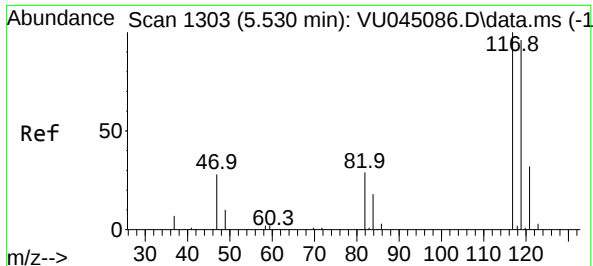


#30

1,1,1-Trichloroethane
Concen: 12.683 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. -0.003 min
Lab File: VU045115.D
Acq: 04 Oct 2021 23:21

Tgt Ion: 97 Resp: 47551
Ion Ratio Lower Upper
97 100
99 65.1 50.6 75.8
61 50.6 41.3 61.9

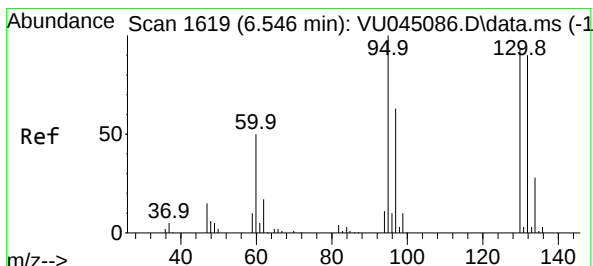
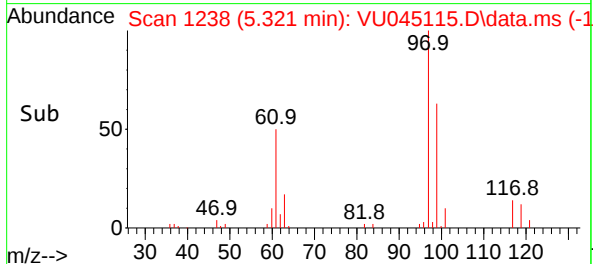
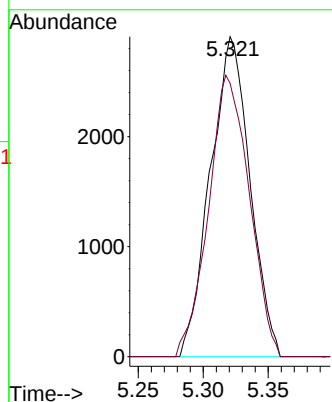
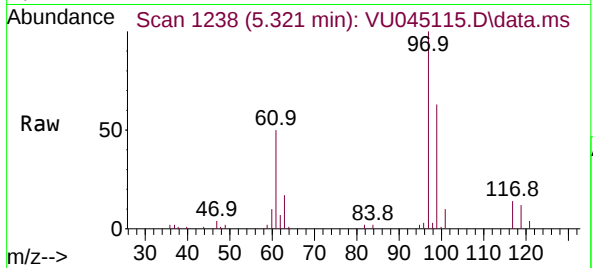




#31
Carbon tetrachloride
Concen: 2.082 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. -0.209 min
Lab File: VU045115.D
Acq: 04 Oct 2021 23:21

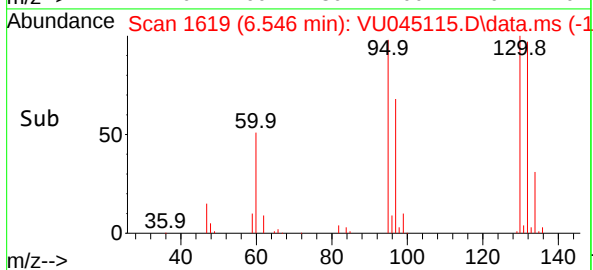
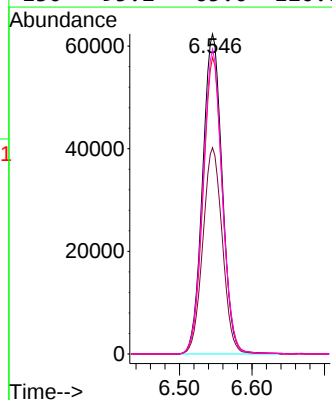
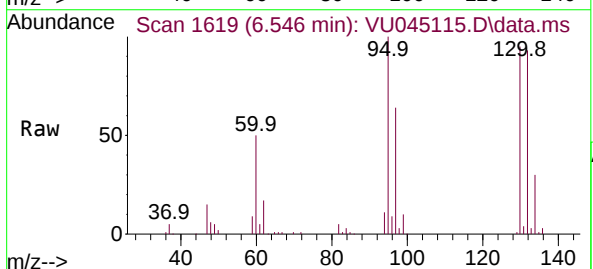
Instrument :
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ClientSampleId :
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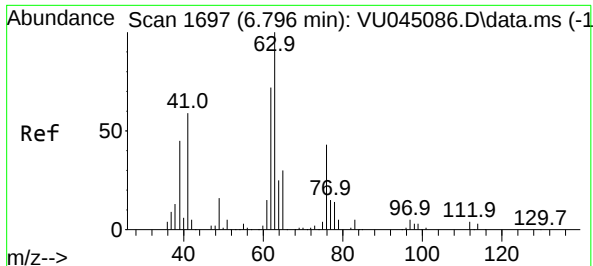
Tgt Ion:117 Resp: 6166
Ion Ratio Lower Upper
117 100
119 90.4 77.7 116.5



#34
Trichloroethene
Concen: 48.331 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU045115.D
Acq: 04 Oct 2021 23:21

Tgt Ion: 95 Resp: 116614
Ion Ratio Lower Upper
95 100
97 64.4 44.4 82.4
132 92.6 62.9 116.9
130 95.2 65.0 120.8



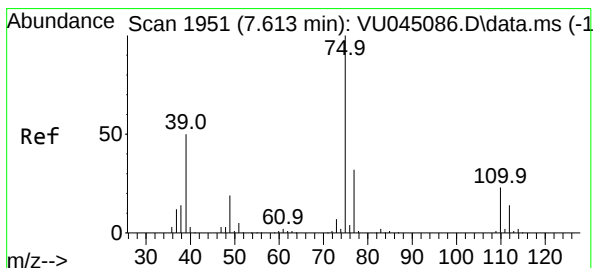
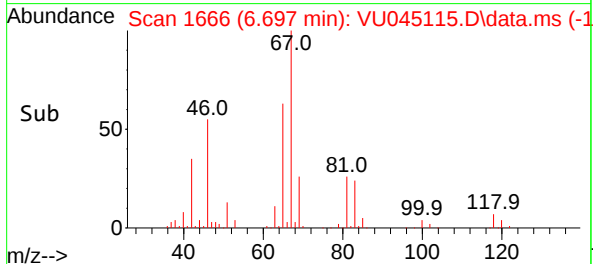
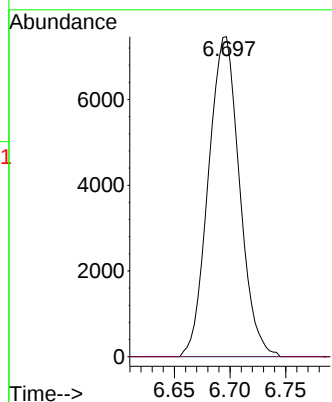
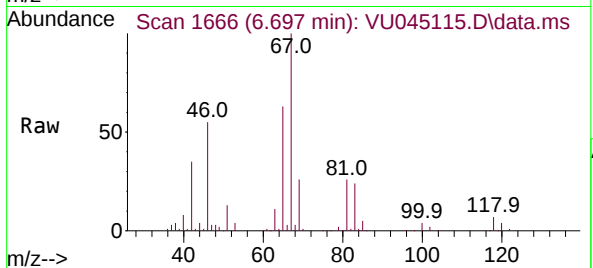


#37

1,2-Dichloropropane
Concen: 5.308 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.100 min
Lab File: VU045115.D
Acq: 04 Oct 2021 23:21

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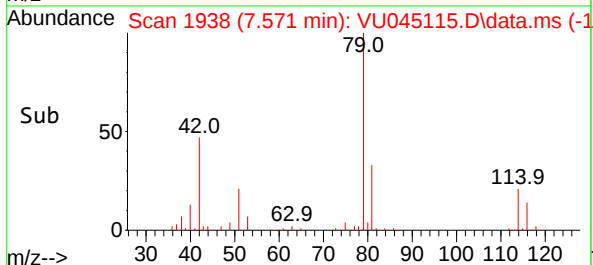
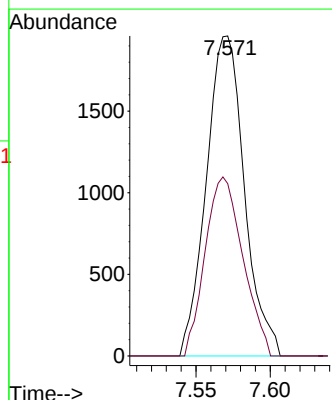
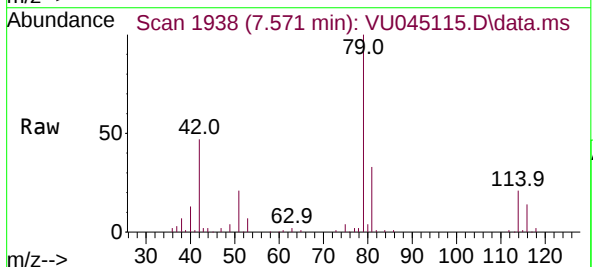
Tgt Ion: 63 Resp: 14517
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#

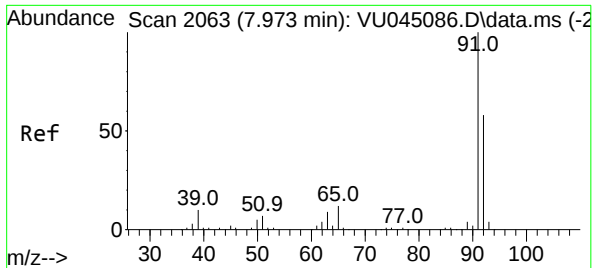


#39

cis-1,3-Dichloropropene
Concen: 0.895 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.042 min
Lab File: VU045115.D
Acq: 04 Oct 2021 23:21

Tgt Ion: 75 Resp: 3501
Ion Ratio Lower Upper
75 100
77 51.1 22.4 41.6#

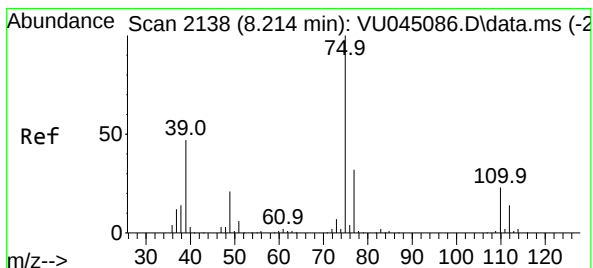
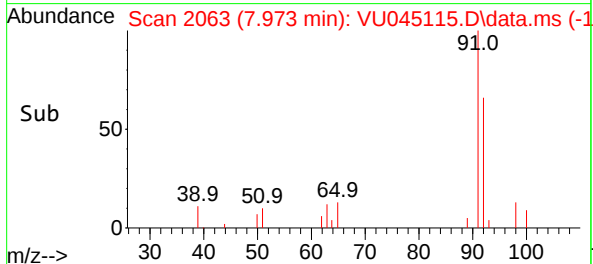
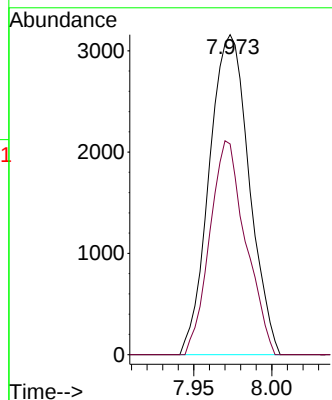
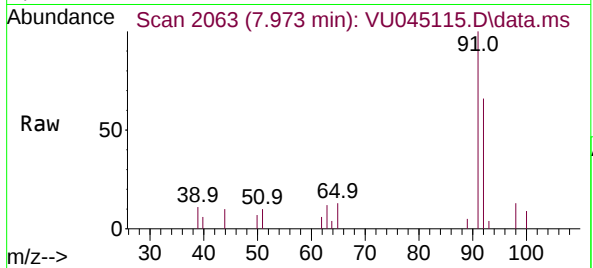




#42
Toluene
Concen: 0.551 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU045115.D
Acq: 04 Oct 2021 23:21

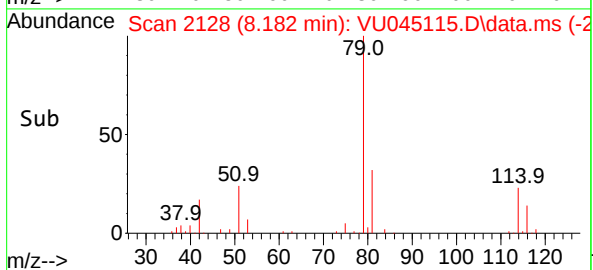
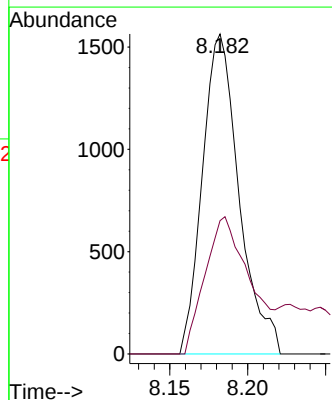
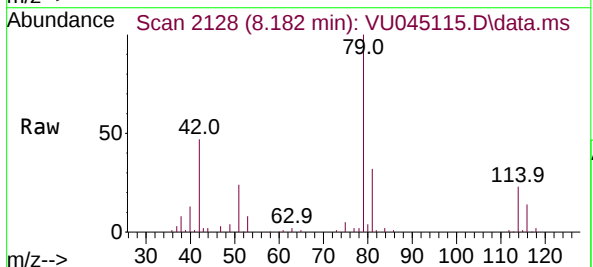
Instrument :
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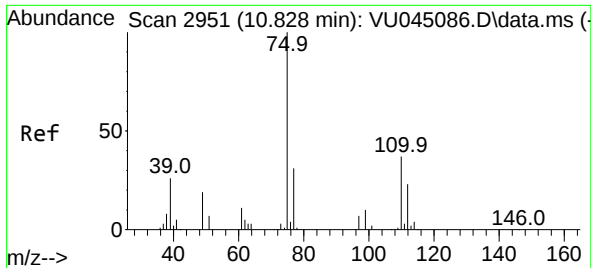
Tgt Ion: 91 Resp: 5628
Ion Ratio Lower Upper
91 100
92 65.8 40.5 75.1



#44
trans-1,3-Dichloropropene
Concen: 0.687 ug/L
RT: 8.182 min Scan# 2128
Delta R.T. -0.032 min
Lab File: VU045115.D
Acq: 04 Oct 2021 23:21

Tgt Ion: 75 Resp: 2556
Ion Ratio Lower Upper
75 100
77 41.6 21.7 40.3#





#60
 1,2,3-Trichloropropane
 Concen: 4.718 ug/L
 RT: 11.816 min Scan# 3258
 Delta R.T. 0.987 min
 Lab File: VU045115.D
 Acq: 04 Oct 2021 23:21

Instrument :
 MSVOA_U
 ClientSampleId :
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Tgt Ion:	75	Resp:	17110
Ion	Ratio	Lower	Upper
75	100		
77	34.8	25.5	38.3
110	2.1	29.0	43.4#

