

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100521\
 Data File : VU045162.D
 Acq On : 05 Oct 2021 22:23
 Operator : SY/MD
 Sample : M4023-12 40X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK1

Quant Time: Oct 06 04:38:07 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)

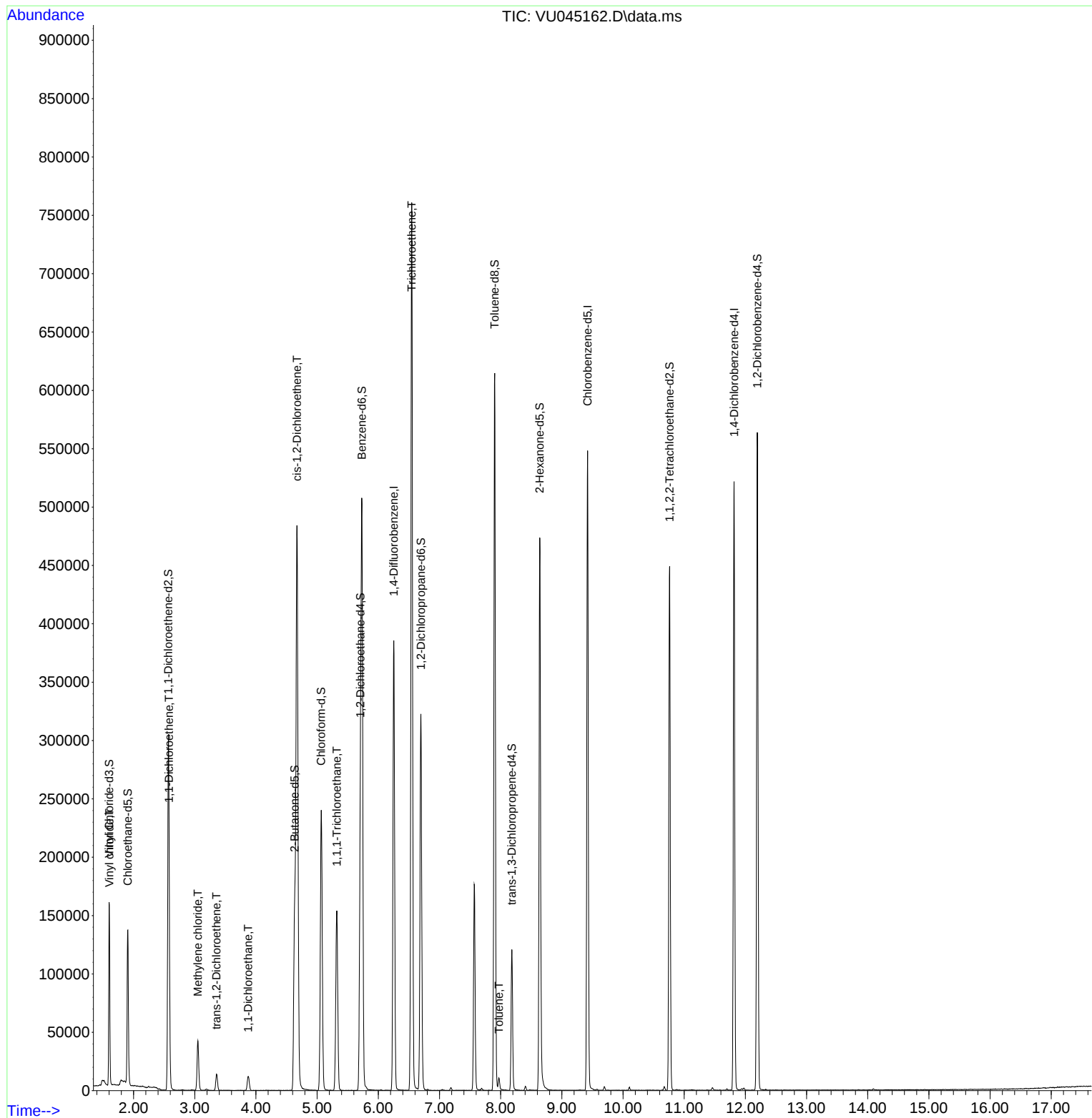
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	302747	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	286219	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	124787	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	110626	33.38	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	66.76%		
7) Chloroethane-d5	1.906	69	102173	38.90	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	77.80%		
11) 1,1-Dichloroethene-d2	2.568	63	174881	31.42	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	62.84%		
21) 2-Butanone-d5	4.633	46	240087	91.63	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	91.63%		
24) Chloroform-d	5.067	84	216823	41.42	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	82.84%		
26) 1,2-Dichloroethane-d4	5.706	65	155418	43.83	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.66%		
32) Benzene-d6	5.732	84	451215	45.43	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.86%		
36) 1,2-Dichloropropane-d6	6.697	67	145393	44.90	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	89.80%		
41) Toluene-d8	7.902	98	392508	45.80	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.60%		
43) trans-1,3-Dichloroprop...	8.182	79	65272	45.31	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.62%		
47) 2-Hexanone-d5	8.639	63	166991	93.05	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	93.05%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	224227	44.46	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	88.92%		
66) 1,2-Dichlorobenzene-d4	12.195	152	138277	50.92	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.84%		
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	3257	0.92	ug/L #	1
12) 1,1-Dichloroethene	2.581	96	22827	9.74	ug/L #	1
16) Methylene chloride	3.051	84	20554	6.92	ug/L	97
17) trans-1,2-Dichloroethene	3.356	96	5762	2.33	ug/L	93
19) 1,1-Dichloroethane	3.874	63	14771	2.87	ug/L	96
20) cis-1,2-Dichloroethene	4.671	96	236070	86.75	ug/L	92
30) 1,1,1-Trichloroethane	5.321	97	108447	27.37	ug/L	99
34) Trichloroethene	6.546	95	256430	100.57	ug/L	99
42) Toluene	7.973	91	6633	0.61	ug/L	98

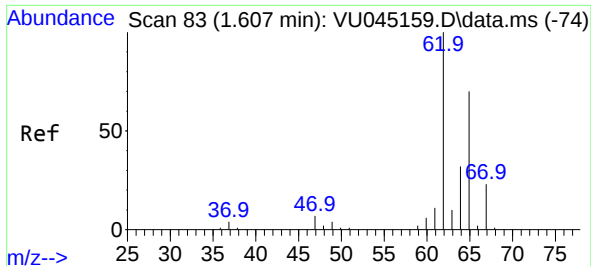
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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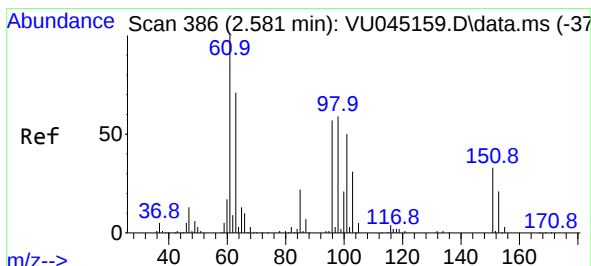
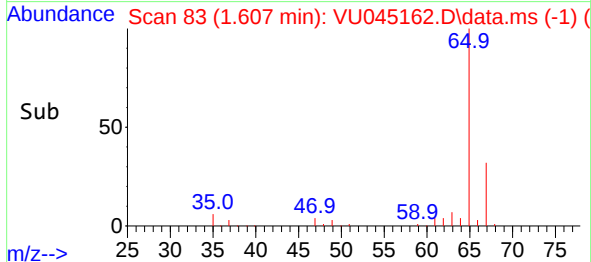
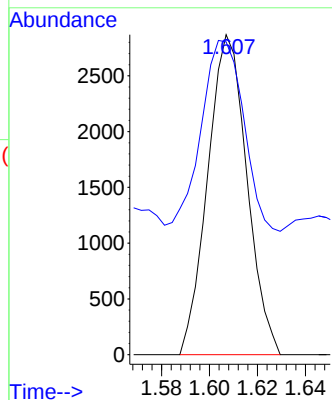
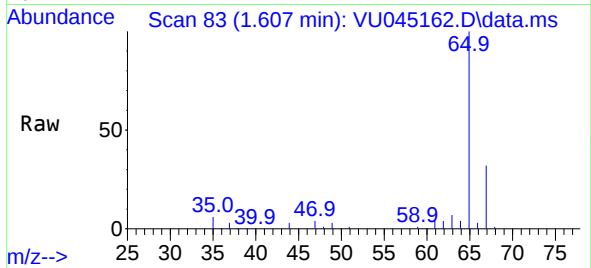




#5
 Vinyl chloride
 Concen: 0.92 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU045162.D
 Acq: 05 Oct 2021 22:23

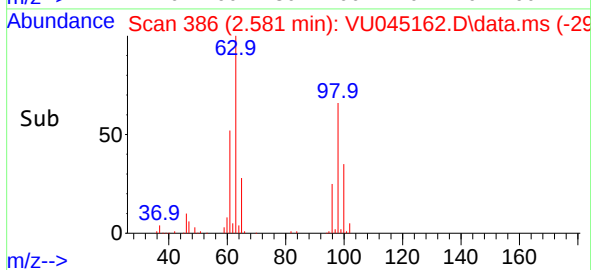
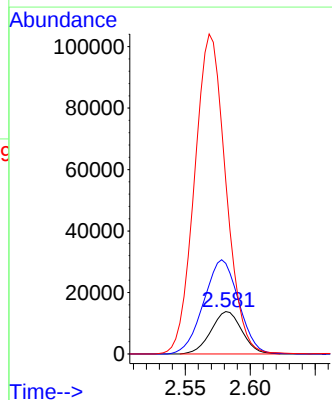
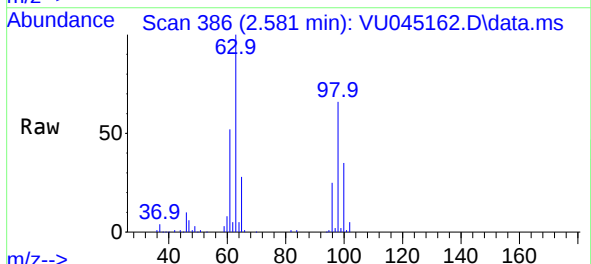
Instrument :
 MSVOA_U
 ClientSampled :
 C0AK1

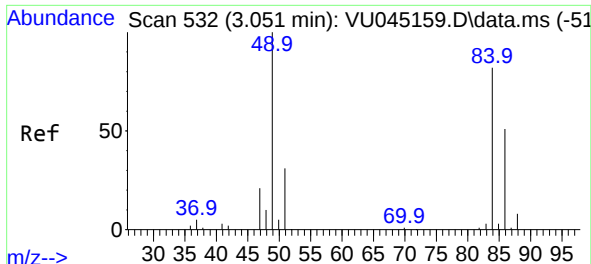
Tgt Ion: 62 Resp: 3257
 Ion Ratio Lower Upper
 62 100
 64 97.7 23.4 43.6#



#12
 1,1-Dichloroethene
 Concen: 9.74 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.003 min
 Lab File: VU045162.D
 Acq: 05 Oct 2021 22:23

Tgt Ion: 96 Resp: 22827
 Ion Ratio Lower Upper
 96 100
 61 213.2 131.3 243.9
 63 406.9 102.5 190.3#

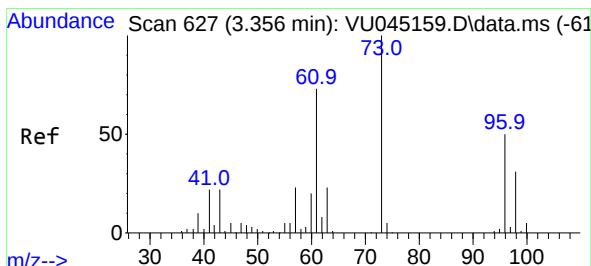
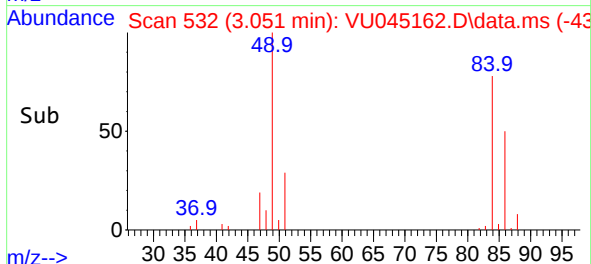
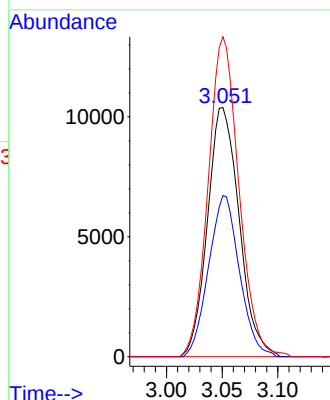
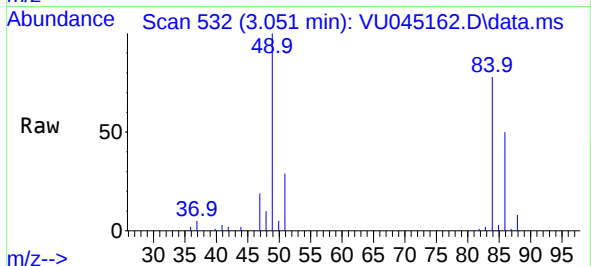




#16
Methylene chloride
Concen: 6.92 ug/L
RT: 3.051 min Scan# 532
Delta R.T. 0.000 min
Lab File: VU045162.D
Acq: 05 Oct 2021 22:23

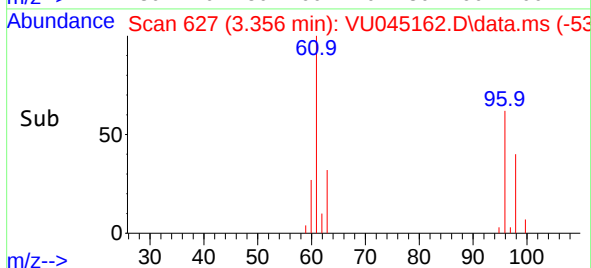
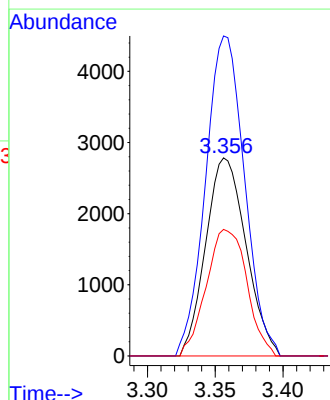
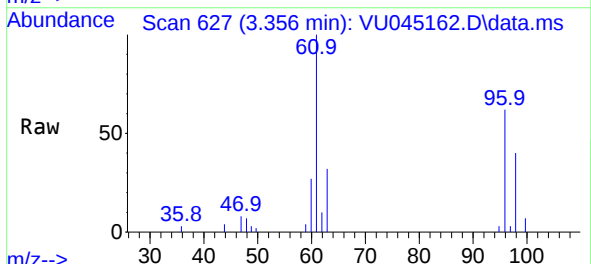
Instrument :
MSVOA_U
ClientSampleId :
C0AK1

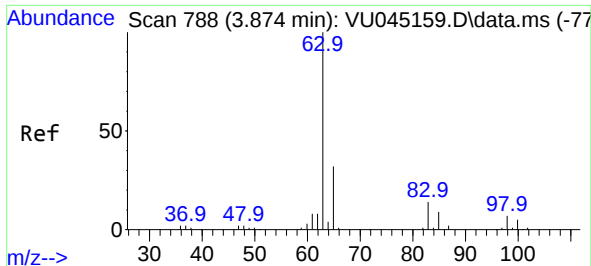
Tgt Ion: 84 Resp: 20554
Ion Ratio Lower Upper
84 100
86 64.7 44.7 83.1
49 128.5 92.9 172.5



#17
trans-1,2-Dichloroethene
Concen: 2.33 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.003 min
Lab File: VU045162.D
Acq: 05 Oct 2021 22:23

Tgt Ion: 96 Resp: 5762
Ion Ratio Lower Upper
96 100
61 161.5 105.1 195.3
98 63.8 43.0 79.8

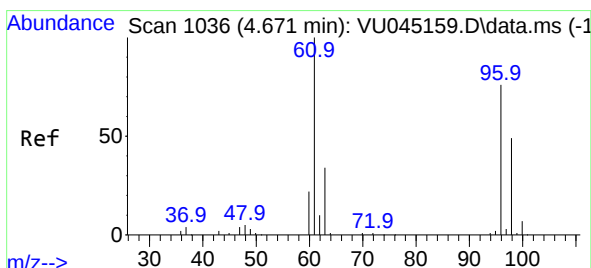
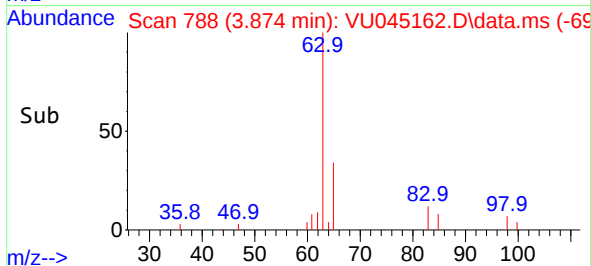
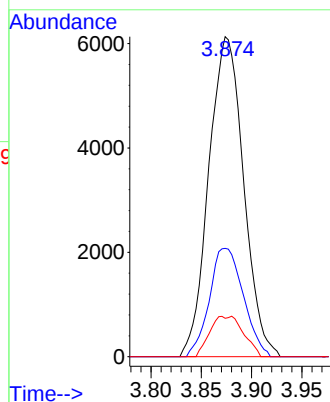
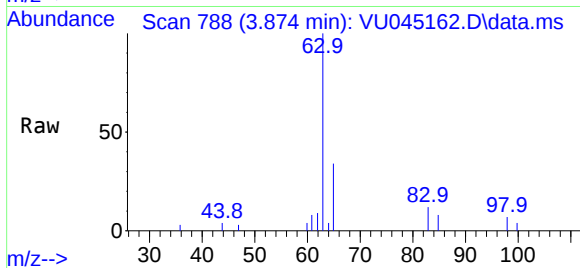




#19
1,1-Dichloroethane
Concen: 2.87 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.003 min
Lab File: VU045162.D
Acq: 05 Oct 2021 22:23

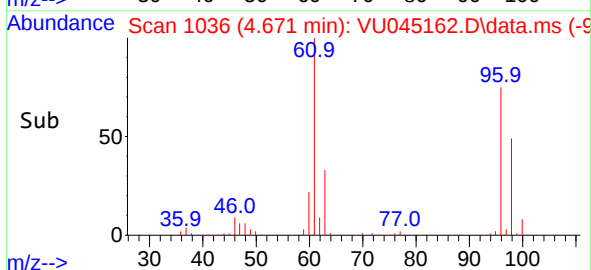
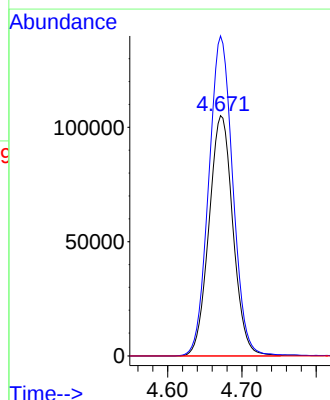
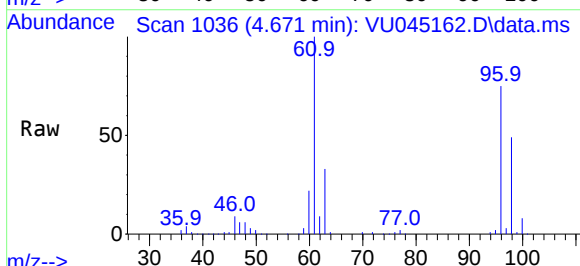
Instrument :
MSVOA_U
ClientSampleId :
C0AK1

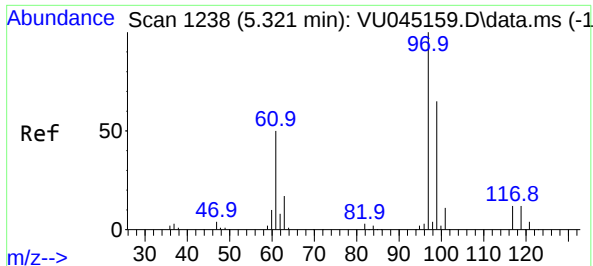
Tgt Ion:	63	Resp:	14771
Ion	Ratio	Lower	Upper
63	100		
65	33.9	22.0	40.8
83	12.0	9.0	16.6



#20
cis-1,2-Dichloroethene
Concen: 86.75 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VU045162.D
Acq: 05 Oct 2021 22:23

Tgt Ion:	96	Resp:	236070
Ion	Ratio	Lower	Upper
96	100		
61	133.1	100.2	186.0
68	0.0	0.0	0.0



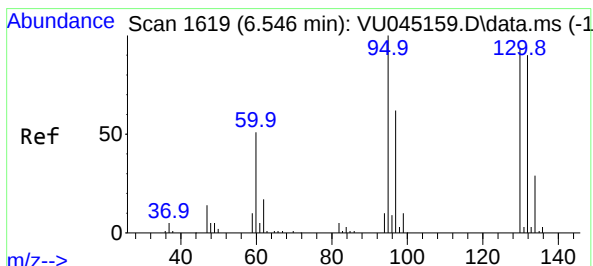
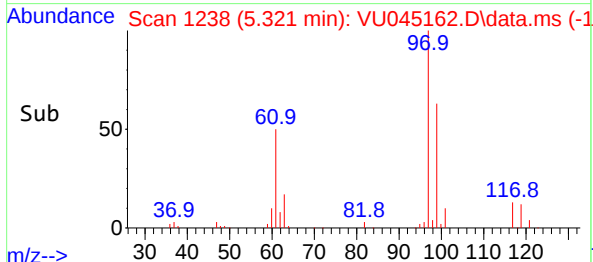
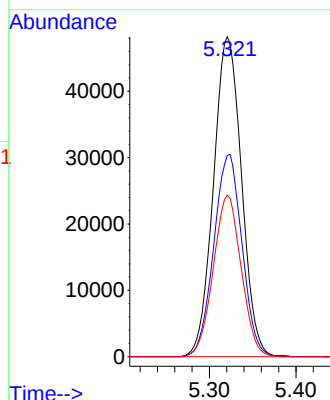
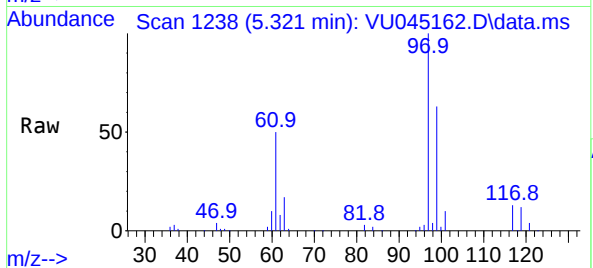


#30
1,1,1-Trichloroethane
Concen: 27.37 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. -0.003 min
Lab File: VU045162.D
Acq: 05 Oct 2021 22:23

Instrument :
MSVOA_U
ClientSampleId :
C0AK1

Tgt Ion: 97 Resp: 108447

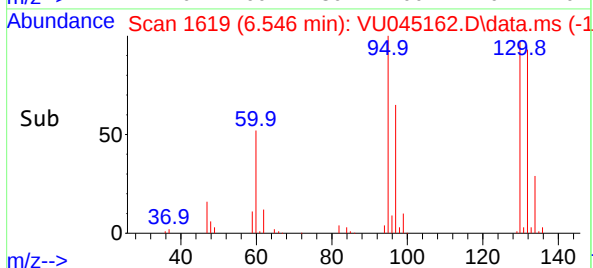
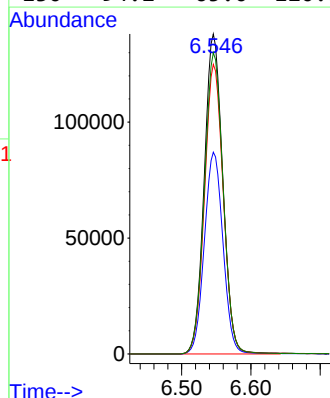
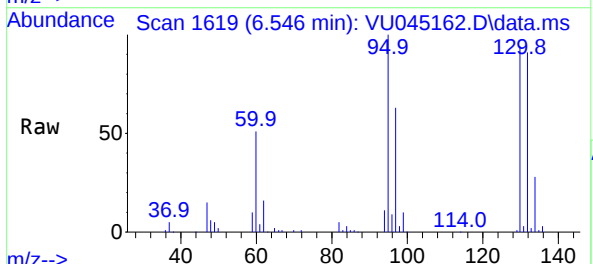
Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.6	75.8
61	50.3	41.3	61.9

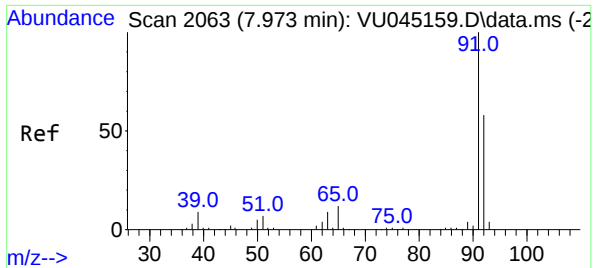


#34
Trichloroethene
Concen: 100.57 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU045162.D
Acq: 05 Oct 2021 22:23

Tgt Ion: 95 Resp: 256430

Ion	Ratio	Lower	Upper
95	100		
97	63.0	44.4	82.4
132	90.5	62.9	116.9
130	94.2	65.0	120.8





#42
Toluene
Concen: 0.61 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU045162.D
Acq: 05 Oct 2021 22:23

Instrument :
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Tgt Ion: 91 Resp: 6633
Ion Ratio Lower Upper
91 100
92 59.4 40.5 75.1

