

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100421\
 Data File : VU045114.D
 Acq On : 04 Oct 2021 22:58
 Operator : SY/MD
 Sample : M4023-11 100X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK0

Quant Time: Oct 05 07:02:23 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

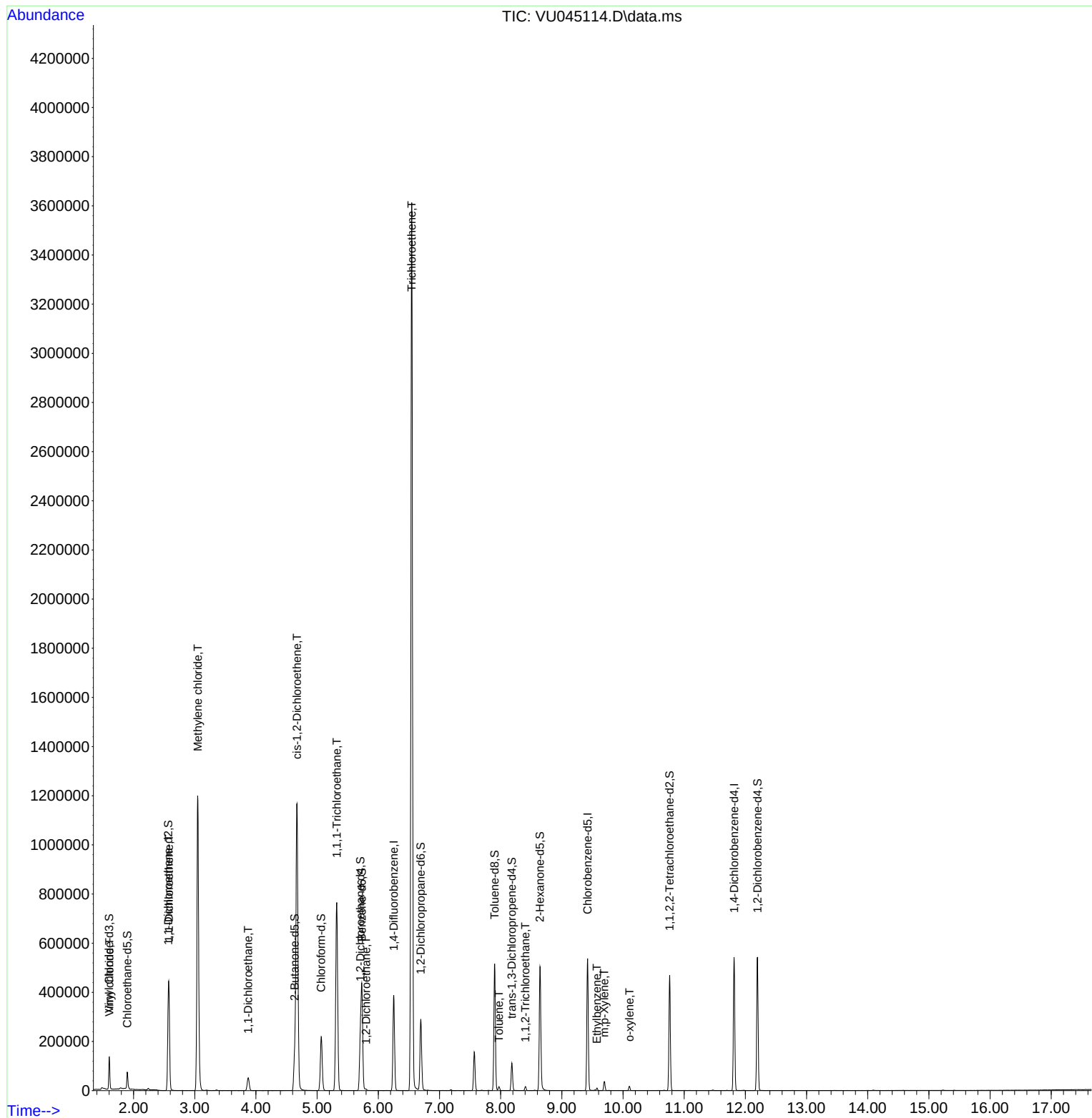
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	298282	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	278937	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	136356	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	84800	25.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	51.94%#
7) Chloroethane-d5	1.896	69	44240	17.10	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	34.20%#
11) 1,1-Dichloroethene-d2	2.568	63	188340	34.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.70%
21) 2-Butanone-d5	4.633	46	246838	95.62	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.62%
24) Chloroform-d	5.067	84	196713	38.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.28%
26) 1,2-Dichloroethane-d4	5.707	65	141531	40.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.02%
32) Benzene-d6	5.732	84	388217	40.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.22%
36) 1,2-Dichloropropane-d6	6.694	67	129365	40.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.98%
41) Toluene-d8	7.903	98	330568	39.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.16%#
43) trans-1,3-Dichloroprop...	8.182	79	58950	41.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.98%
47) 2-Hexanone-d5	8.642	63	191544	109.52	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.52%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	228538	46.50	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.00%
66) 1,2-Dichlorobenzene-d4	12.198	152	134072	45.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.36%
Target Compounds						
5) Vinyl chloride	1.607	62	12298	3.53	ug/L	# 66
12) 1,1-Dichloroethene	2.578	96	103139	44.65	ug/L	87
16) Methylene chloride	3.047	84	585671	200.14	ug/L	94
19) 1,1-Dichloroethane	3.874	63	60278	11.91	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	580693	216.57	ug/L	93
27) 1,2-Dichloroethane	5.800	62	3224	0.77	ug/L	100
30) 1,1,1-Trichloroethane	5.321	97	544692	141.07	ug/L	98
34) Trichloroethene	6.546	95	1210738	487.23	ug/L	99
42) Toluene	7.973	91	11033	1.05	ug/L	95
45) 1,1,2-Trichloroethane	8.404	97	5080	1.99	ug/L	93
52) Ethylbenzene	9.575	91	7512	0.68	ug/L	100
53) m,p-Xylene	9.694	106	10319	2.45	ug/L	96
54) o-xylene	10.105	106	4613	1.12	ug/L	95

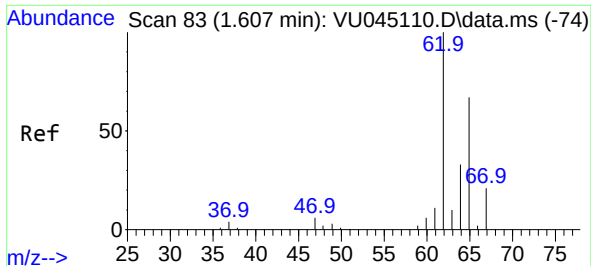
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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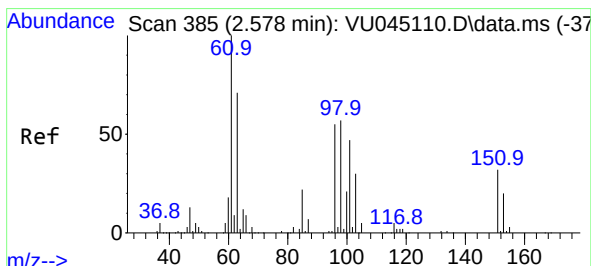
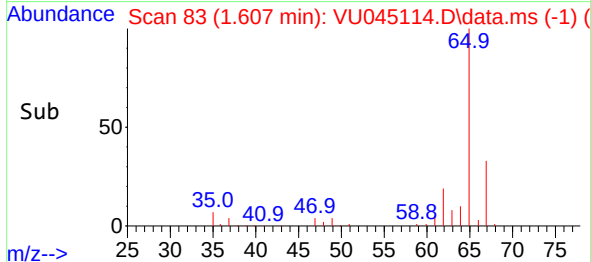
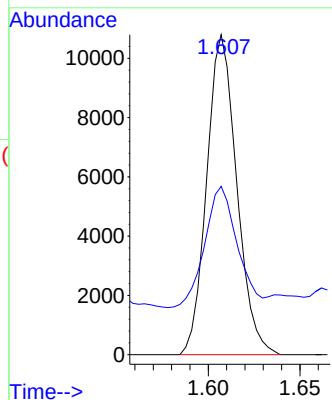
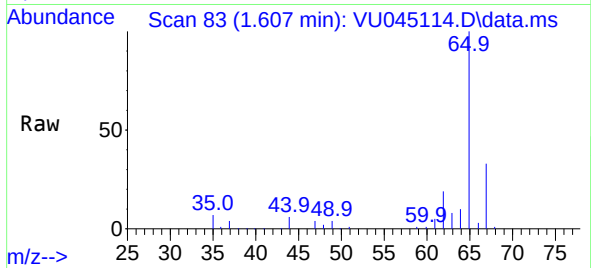




#5
 Vinyl chloride
 Concen: 3.53 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU045114.D
 Acq: 04 Oct 2021 22:58

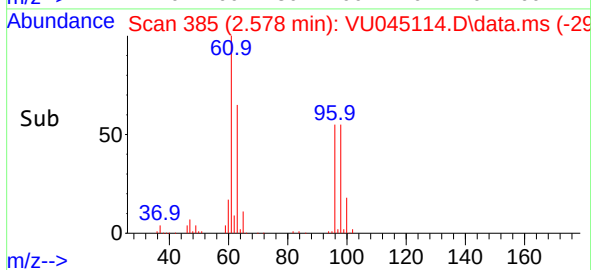
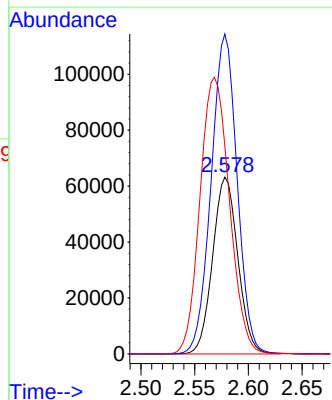
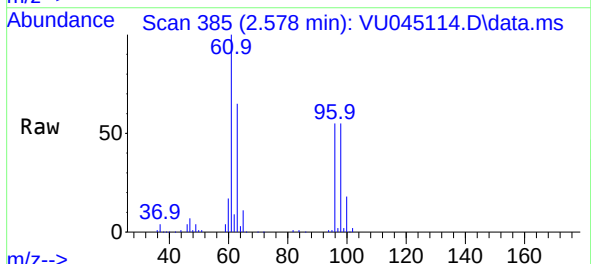
Instrument :
 MSVOA_U
 ClientSampled :
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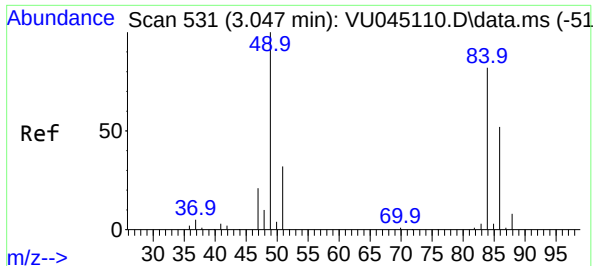
Tgt Ion: 62 Resp: 12298
 Ion Ratio Lower Upper
 62 100
 64 52.6 23.4 43.6#



#12
 1,1-Dichloroethene
 Concen: 44.65 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.006 min
 Lab File: VU045114.D
 Acq: 04 Oct 2021 22:58

Tgt Ion: 96 Resp: 103139
 Ion Ratio Lower Upper
 96 100
 61 181.0 131.3 243.9
 63 117.7 102.5 190.3

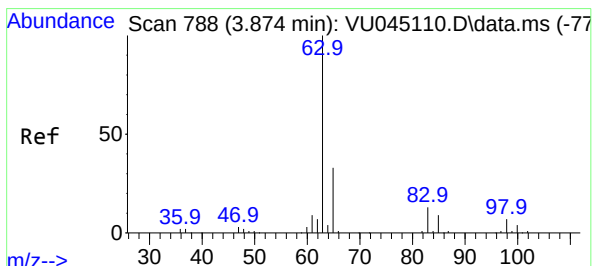
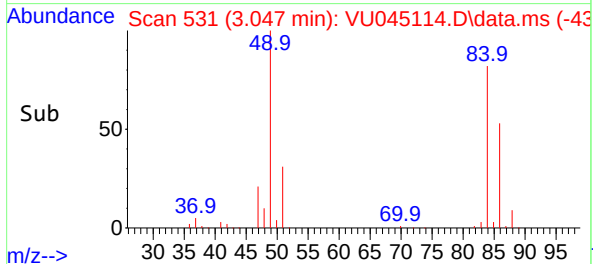
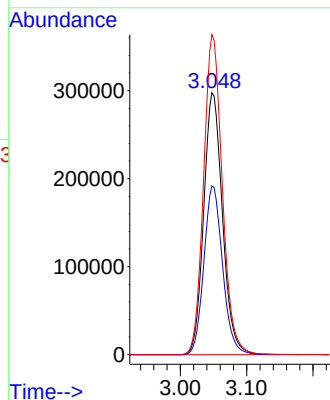
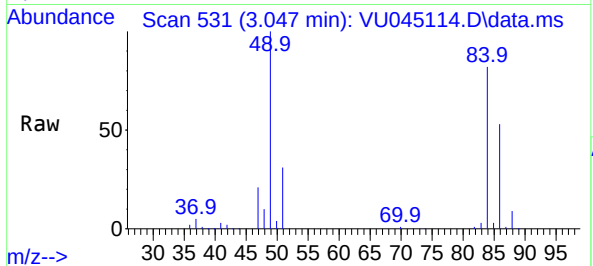




#16
Methylene chloride
Concen: 200.14 ug/L
RT: 3.047 min Scan# 531
Delta R.T. -0.003 min
Lab File: VU045114.D
Acq: 04 Oct 2021 22:58

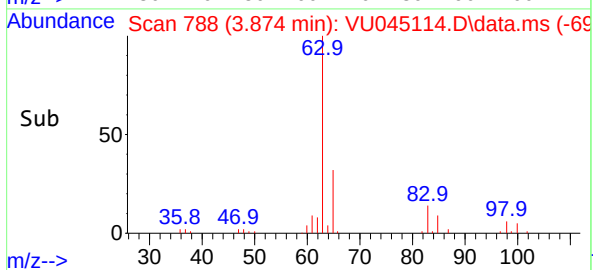
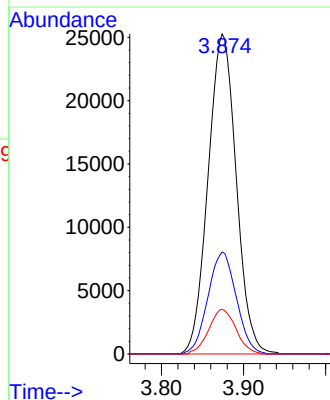
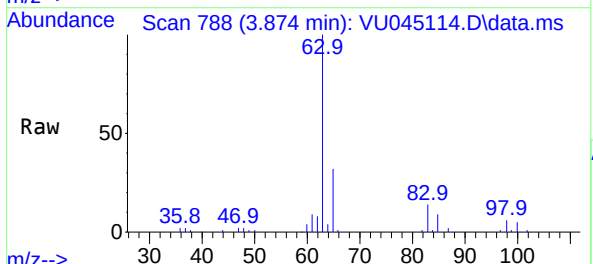
Instrument :
MSVOA_U
ClientSampleId :
C0AK0

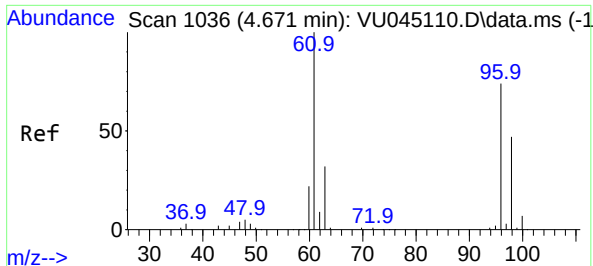
Tgt Ion: 84 Resp: 585671
Ion Ratio Lower Upper
84 100
86 64.5 44.7 83.1
49 122.2 92.9 172.5



#19
1,1-Dichloroethane
Concen: 11.91 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.003 min
Lab File: VU045114.D
Acq: 04 Oct 2021 22:58

Tgt Ion: 63 Resp: 60278
Ion Ratio Lower Upper
63 100
65 32.5 22.0 40.8
83 14.0 9.0 16.6

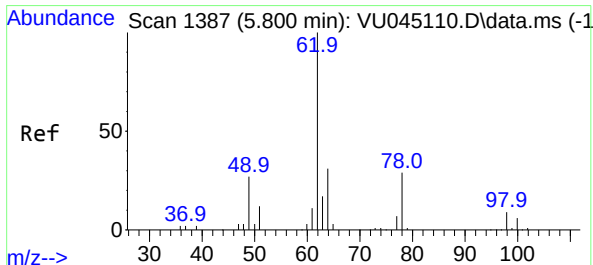
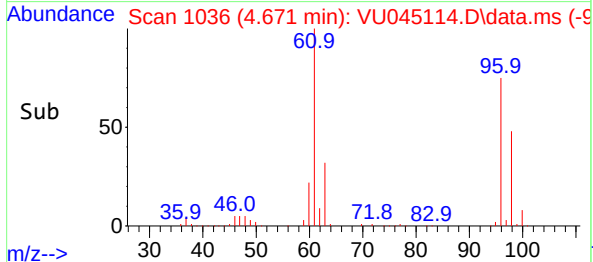
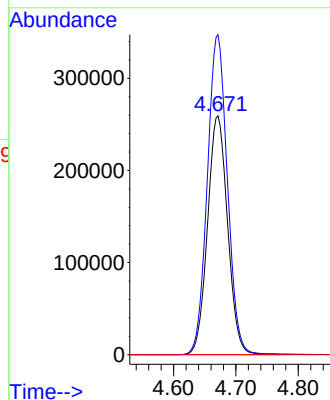
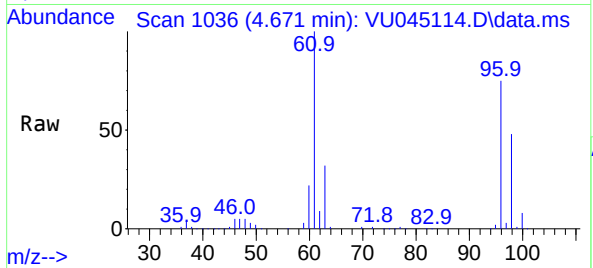




#20
cis-1,2-Dichloroethene
Concen: 216.57 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VU045114.D
Acq: 04 Oct 2021 22:58

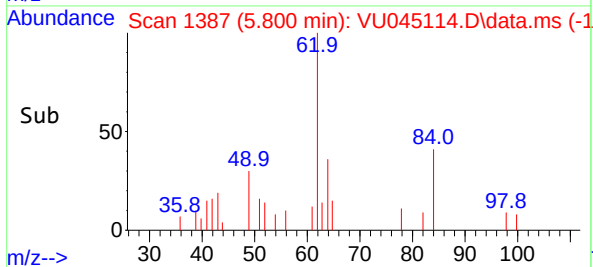
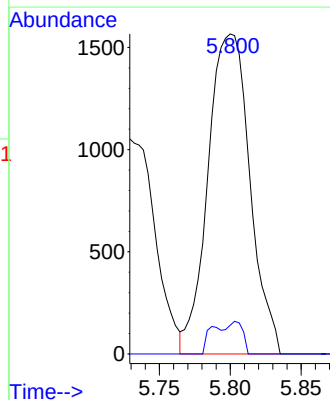
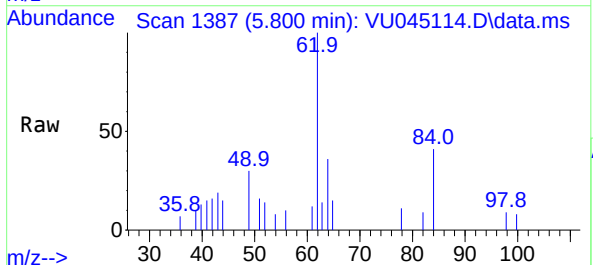
Instrument :
MSVOA_U
ClientSampleId :
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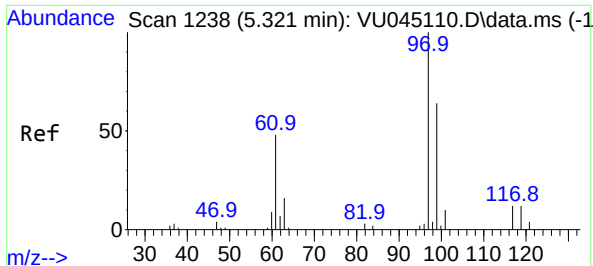
Tgt Ion: 96 Resp: 580693
Ion Ratio Lower Upper
96 100
61 134.0 100.2 186.0
68 0.0 0.0 0.0



#27
1,2-Dichloroethane
Concen: 0.77 ug/L
RT: 5.800 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VU045114.D
Acq: 04 Oct 2021 22:58

Tgt Ion: 62 Resp: 3224
Ion Ratio Lower Upper
62 100
98 8.9 7.1 10.7



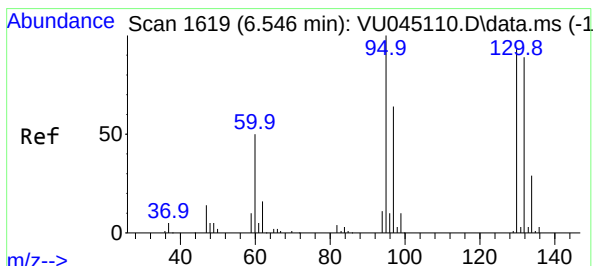
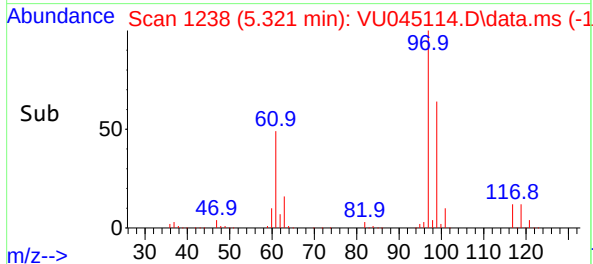
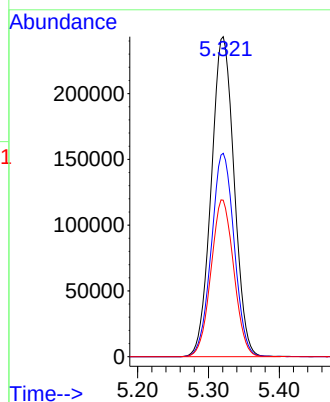
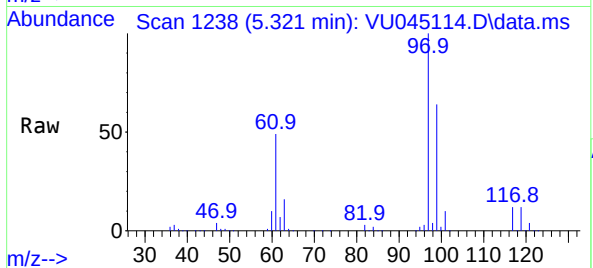


#30
1,1,1-Trichloroethane
Concen: 141.07 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. -0.003 min
Lab File: VU045114.D
Acq: 04 Oct 2021 22:58

Instrument :
MSVOA_U
ClientSampleId :
C0AK0

Tgt Ion: 97 Resp: 544692

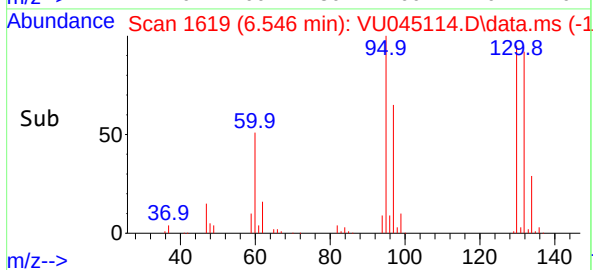
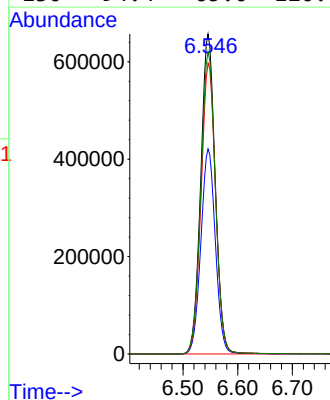
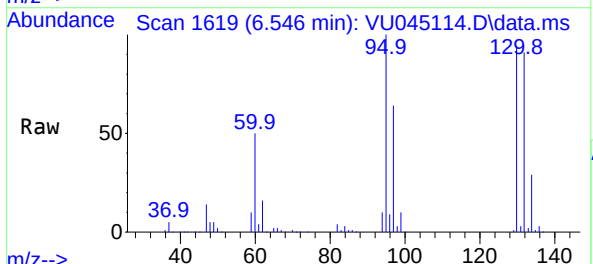
Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.6	75.8
61	48.9	41.3	61.9

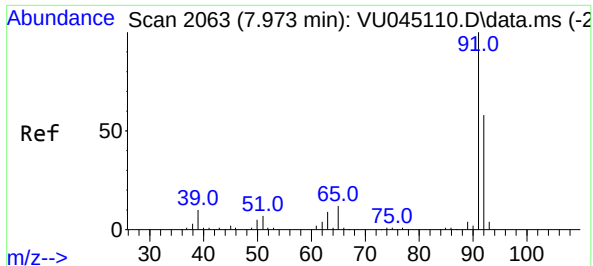


#34
Trichloroethene
Concen: 487.23 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU045114.D
Acq: 04 Oct 2021 22:58

Tgt Ion: 95 Resp: 1210738

Ion	Ratio	Lower	Upper
95	100		
97	64.1	44.4	82.4
132	90.9	62.9	116.9
130	94.4	65.0	120.8

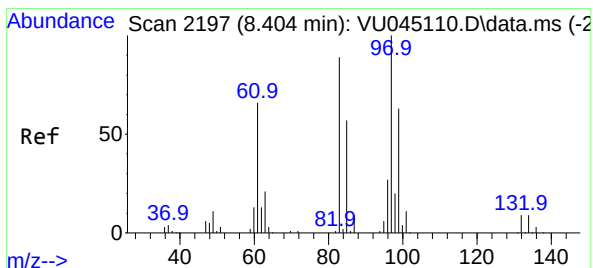
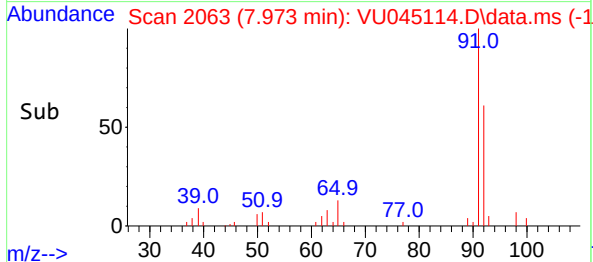
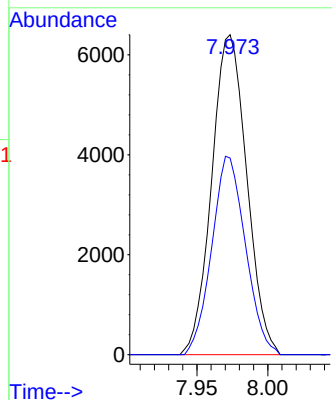
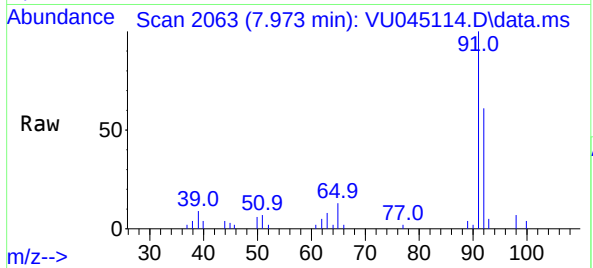




#42
Toluene
Concen: 1.05 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU045114.D
Acq: 04 Oct 2021 22:58

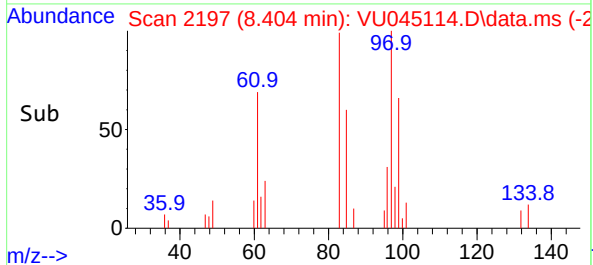
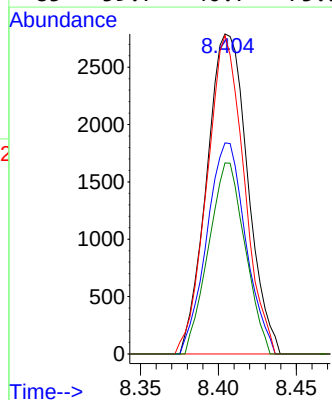
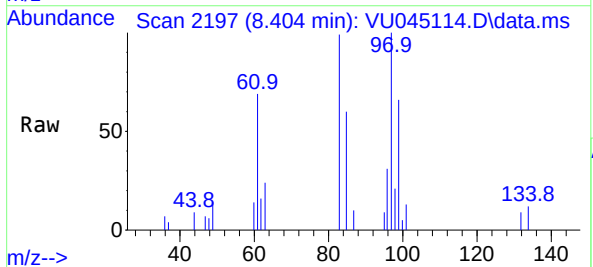
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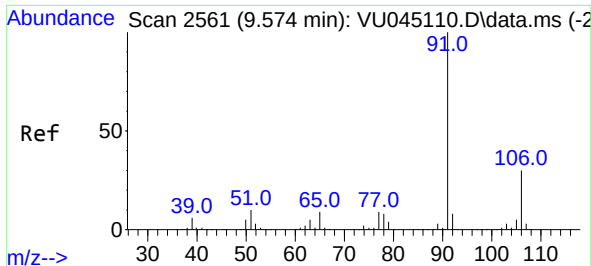
Tgt Ion: 91 Resp: 11033
Ion Ratio Lower Upper
91 100
92 61.4 40.5 75.1



#45
1,1,2-Trichloroethane
Concen: 1.99 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. 0.000 min
Lab File: VU045114.D
Acq: 04 Oct 2021 22:58

Tgt Ion: 97 Resp: 5080
Ion Ratio Lower Upper
97 100
99 65.9 43.7 81.1
83 99.5 61.9 115.1
85 59.7 40.7 75.5

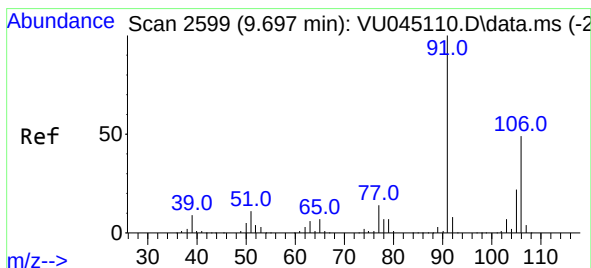
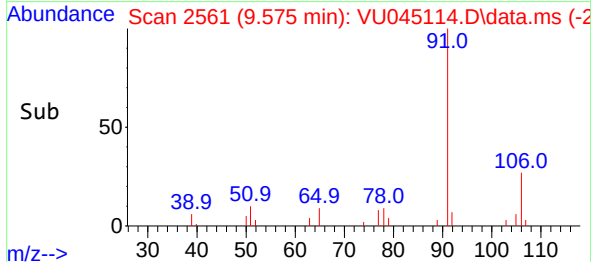
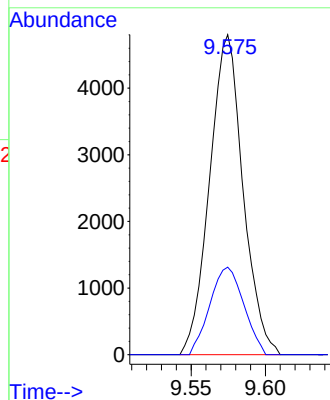
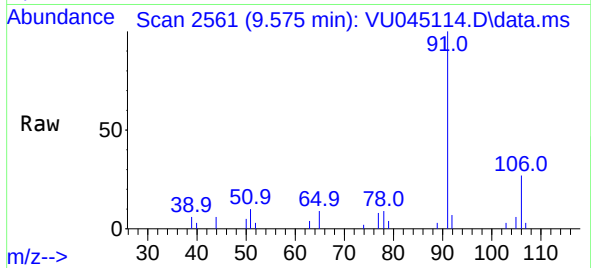




#52
Ethylbenzene
Concen: 0.68 ug/L
RT: 9.575 min Scan# 2561
Delta R.T. 0.000 min
Lab File: VU045114.D
Acq: 04 Oct 2021 22:58

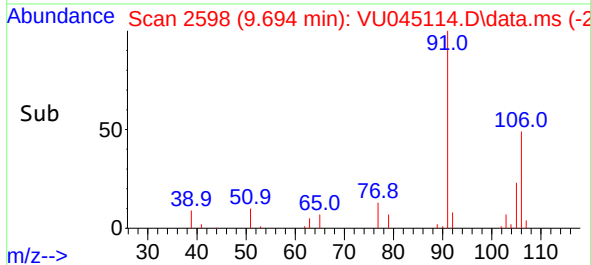
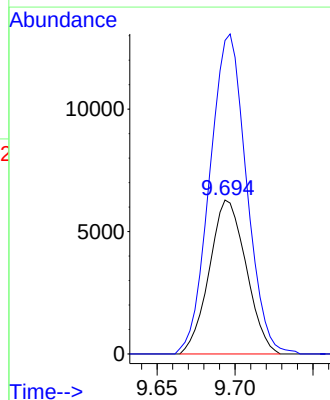
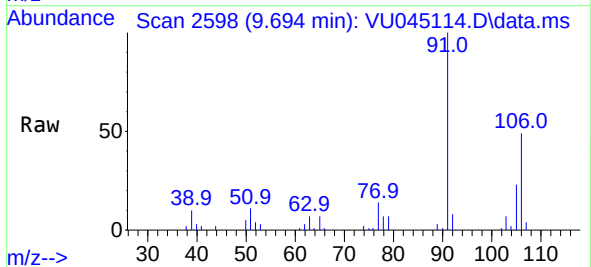
Instrument :
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ClientSampled :
C0AK0

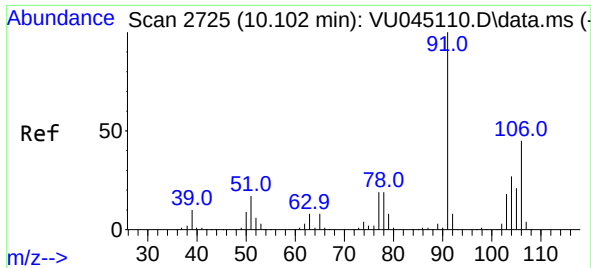
Tgt Ion: 91 Resp: 7512
Ion Ratio Lower Upper
91 100
106 30.5 21.2 39.4



#53
m,p-Xylene
Concen: 2.45 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU045114.D
Acq: 04 Oct 2021 22:58

Tgt Ion: 106 Resp: 10319
Ion Ratio Lower Upper
106 100
91 203.6 146.7 272.4





#54
o-xylene
Concen: 1.12 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. 0.000 min
Lab File: VU045114.D
Acq: 04 Oct 2021 22:58

Instrument :
MSVOA_U
ClientSampleId :
C0AK0

Tgt Ion:106 Resp: 4613
Ion Ratio Lower Upper
106 100
91 226.7 152.9 283.9

