

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100721\
 Data File : VU045224.D
 Acq On : 07 Oct 2021 21:52
 Operator : SY/MD
 Sample : M4023-14
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 07 22:21:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 07 22:18:46 2021
 Response via : Initial Calibration

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

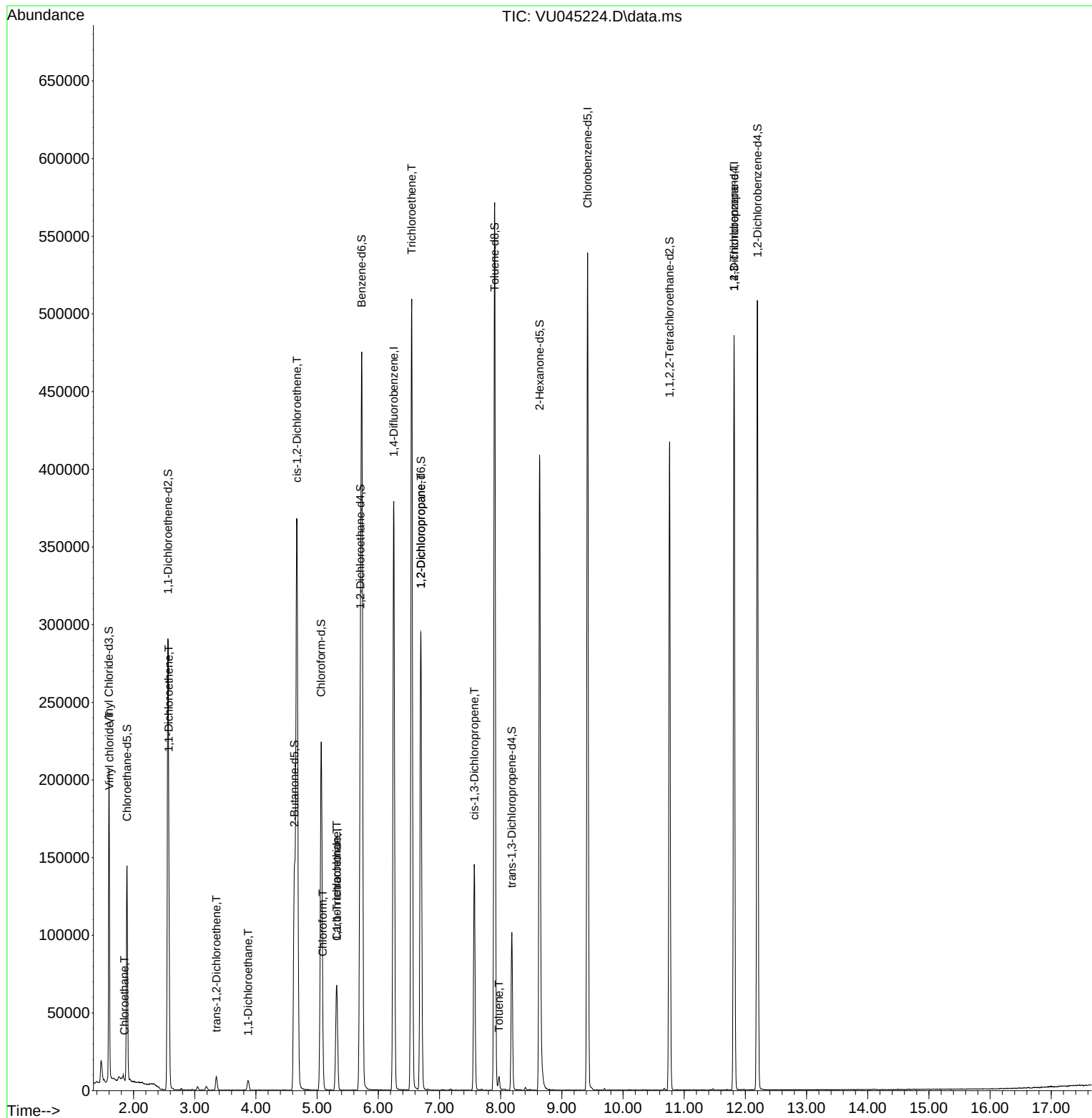
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	292870	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	281148	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	119614	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	130685	40.762	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.520%
7) Chloroethane-d5	1.893	69	105556	41.548	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.100%
11) 1,1-Dichloroethene-d2	2.562	63	172205	31.984	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.960%
21) 2-Butanone-d5	4.626	46	198042	78.134	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	78.130%
24) Chloroform-d	5.067	84	201595	39.812	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.620%
26) 1,2-Dichloroethane-d4	5.707	65	143658	41.884	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.760%
32) Benzene-d6	5.729	84	421101	43.164	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.320%
36) 1,2-Dichloropropane-d6	6.697	67	134503	42.283	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.560%
41) Toluene-d8	7.903	98	366761	43.563	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.120%
43) trans-1,3-Dichloroprop...	8.182	79	53820	38.035	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.080%
47) 2-Hexanone-d5	8.636	63	140488	79.695	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.690%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	203125	41.007	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.020%
66) 1,2-Dichlorobenzene-d4	12.198	152	125187	48.091	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.180%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	2179	0.636	ug/L #	1
8) Chloroethane	1.851	64	1490	0.693	ug/L #	55
12) 1,1-Dichloroethene	2.575	96	19712	8.692	ug/L #	1
17) trans-1,2-Dichloroethene	3.353	96	3528	1.477	ug/L	91
19) 1,1-Dichloroethane	3.871	63	7621	1.533	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	181990	69.129	ug/L	93
25) Chloroform	5.092	83	6075	1.229	ug/L	95
30) 1,1,1-Trichloroethane	5.321	97	47729	12.264	ug/L	98
31) Carbon tetrachloride	5.321	117	5599	1.821	ug/L	90
34) Trichloroethene	6.546	95	173103	69.114	ug/L	98
37) 1,2-Dichloropropane	6.697	63	15438	5.438	ug/L #	88
39) cis-1,3-Dichloropropene	7.568	75	3491	0.859	ug/L #	75
42) Toluene	7.973	91	5809	0.548	ug/L	92
60) 1,2,3-Trichloropropane	11.816	75	16302	4.928	ug/L #	68

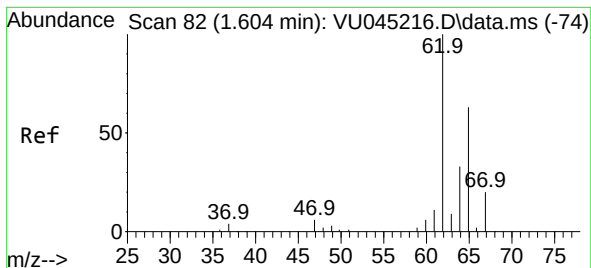
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Oct 07 22:18:46 2021
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.636 ug/L

RT: 1.604 min Scan# 82

Delta R.T. 0.000 min

Lab File: VU045224.D

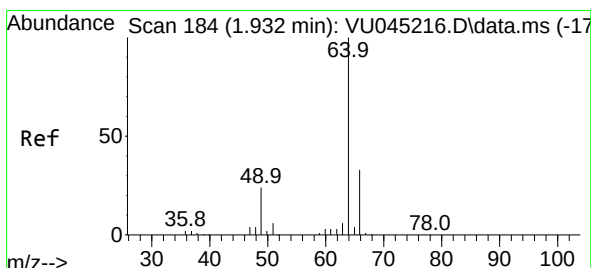
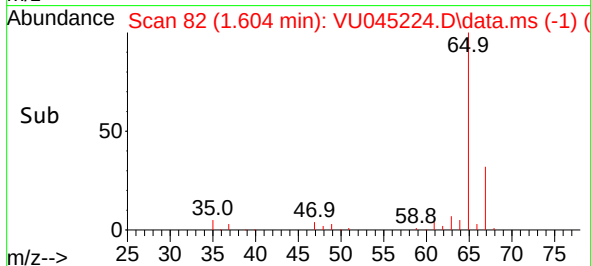
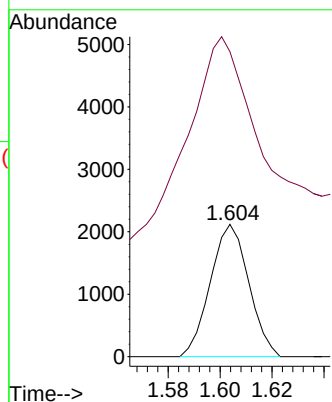
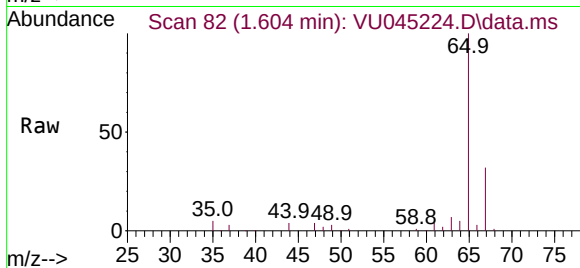
Acq: 07 Oct 2021 21:52

Tgt Ion: 62 Resp: 2179

Ion Ratio Lower Upper

62 100

64 230.4 23.4 43.6#



#8

Chloroethane

Concen: 0.693 ug/L

RT: 1.851 min Scan# 159

Delta R.T. -0.080 min

Lab File: VU045224.D

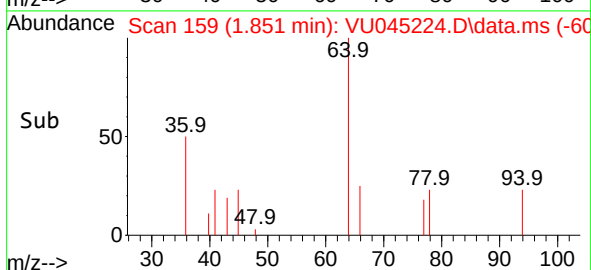
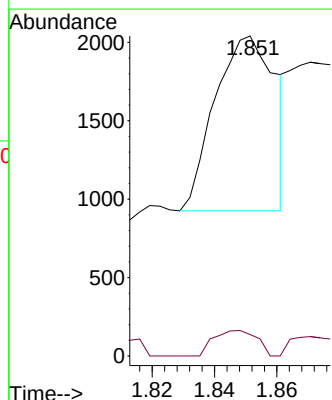
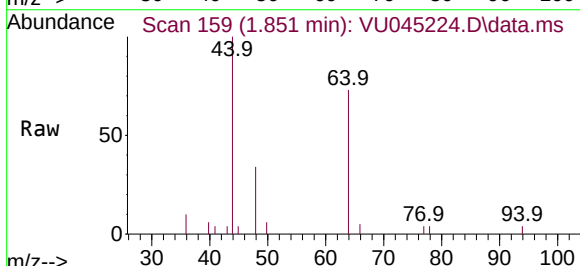
Acq: 07 Oct 2021 21:52

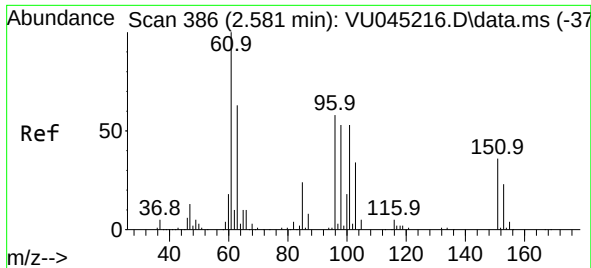
Tgt Ion: 64 Resp: 1490

Ion Ratio Lower Upper

64 100

66 6.7 22.3 41.3#

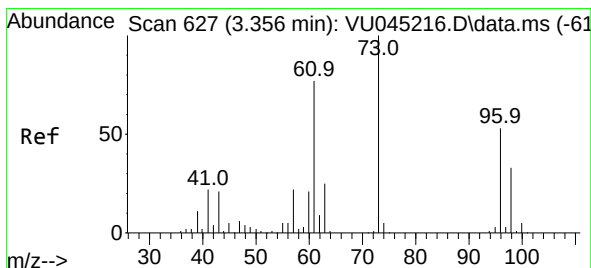
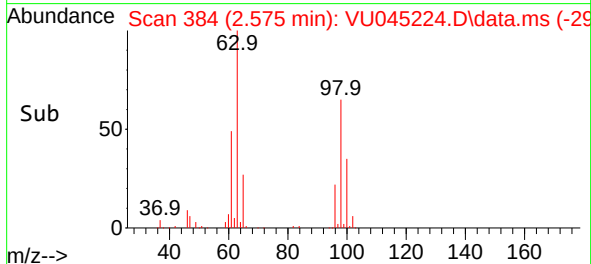
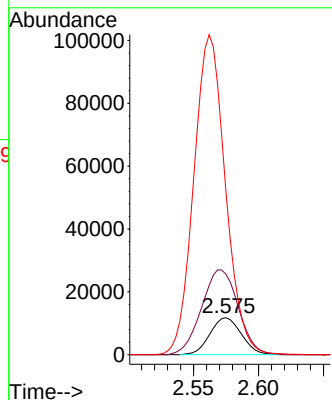
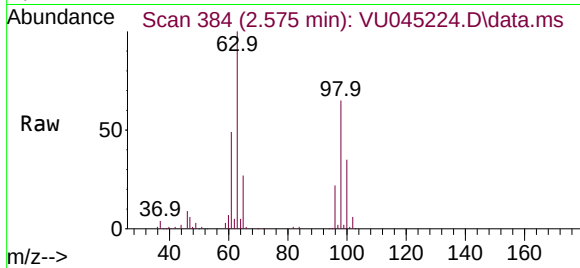




#12
1,1-Dichloroethene
Concen: 8.692 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.006 min
Lab File: VU045224.D
Acq: 07 Oct 2021 21:52

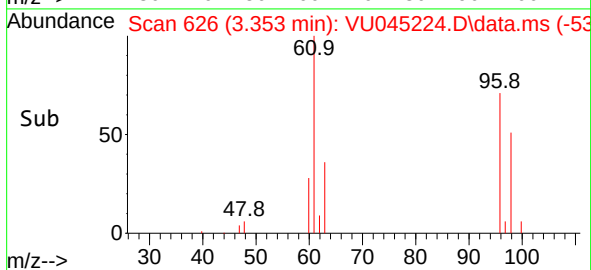
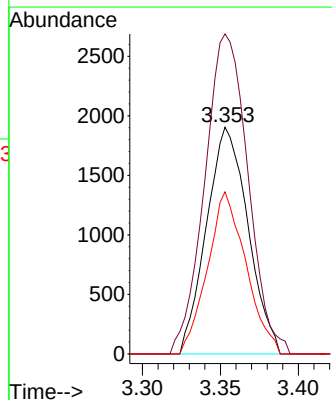
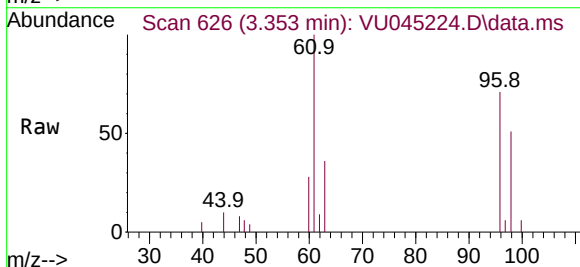
Instrument :
MSVOA_U
ClientSampled :

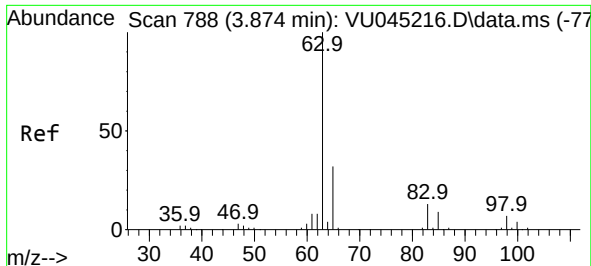
Tgt Ion: 96 Resp: 19712
Ion Ratio Lower Upper
96 100
61 218.3 131.3 243.9
63 446.3 102.5 190.3#



#17
trans-1,2-Dichloroethene
Concen: 1.477 ug/L
RT: 3.353 min Scan# 626
Delta R.T. -0.003 min
Lab File: VU045224.D
Acq: 07 Oct 2021 21:52

Tgt Ion: 96 Resp: 3528
Ion Ratio Lower Upper
96 100
61 141.2 105.1 195.3
98 71.5 43.0 79.8





#19

1,1-Dichloroethane

Concen: 1.533 ug/L

RT: 3.871 min Scan# 787

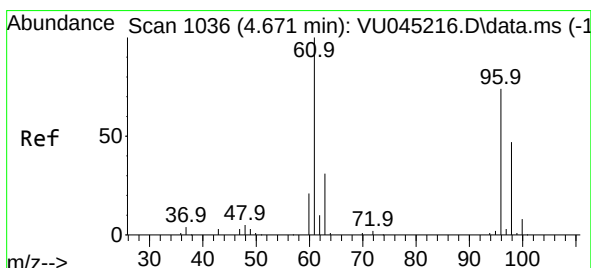
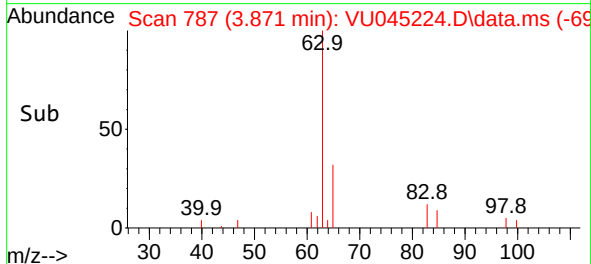
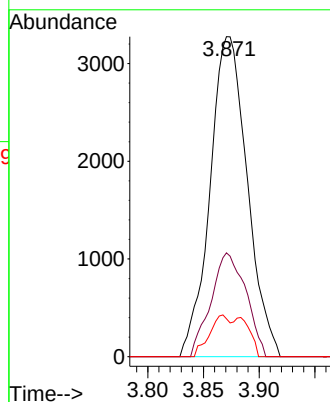
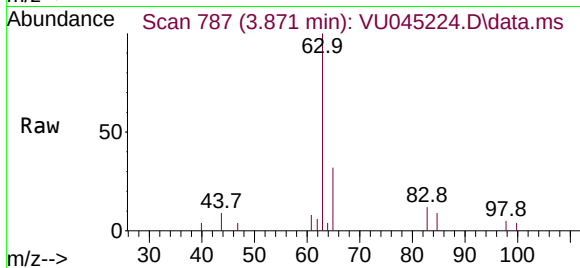
Delta R.T. -0.003 min

Lab File: VU045224.D

Acq: 07 Oct 2021 21:52

Tgt Ion: 63 Resp: 7621

Ion	Ratio	Lower	Upper
63	100		
65	32.5	22.0	40.8
83	11.9	9.0	16.6



#20

cis-1,2-Dichloroethene

Concen: 69.129 ug/L

RT: 4.671 min Scan# 1036

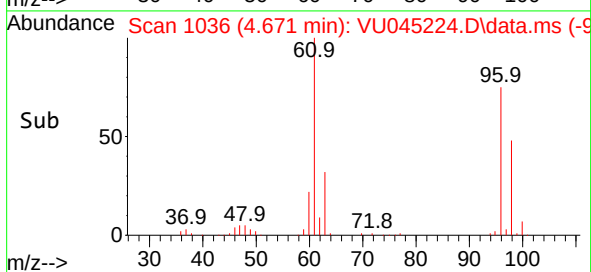
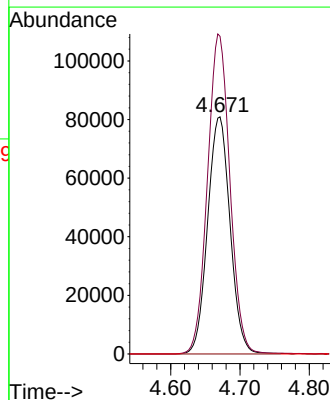
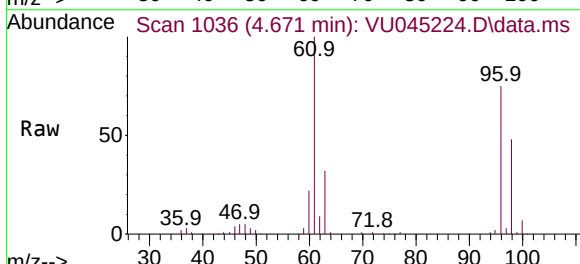
Delta R.T. 0.000 min

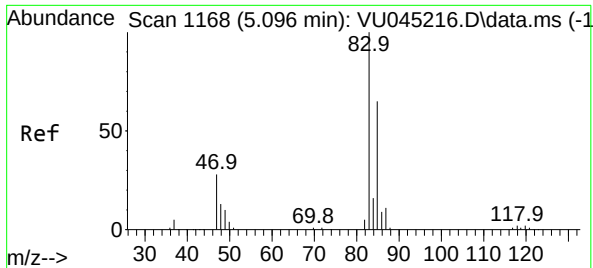
Lab File: VU045224.D

Acq: 07 Oct 2021 21:52

Tgt Ion: 96 Resp: 181990

Ion	Ratio	Lower	Upper
96	100		
61	134.0	100.2	186.0
68	0.0	0.0	0.0



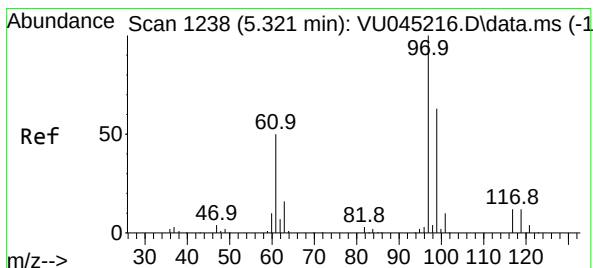
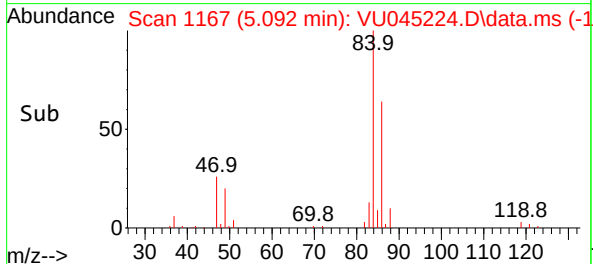
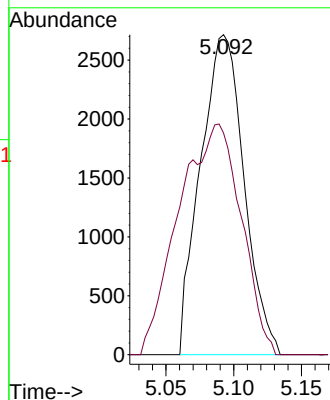
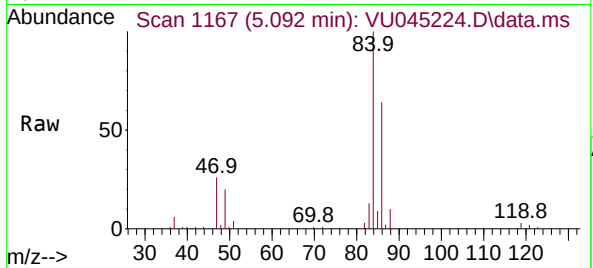


#25

Chloroform
Concen: 1.229 ug/L
RT: 5.092 min Scan# 1167
Delta R.T. -0.003 min
Lab File: VU045224.D
Acq: 07 Oct 2021 21:52

Instrument :
MSVOA_U
ClientSampled :

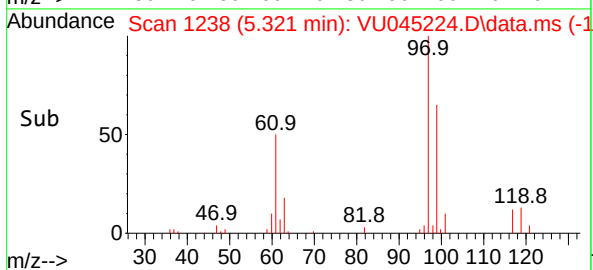
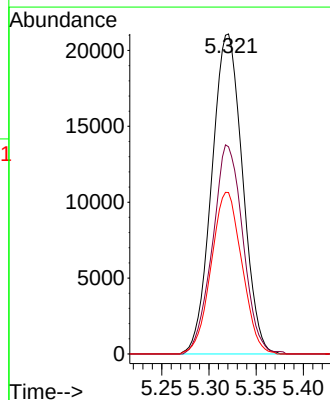
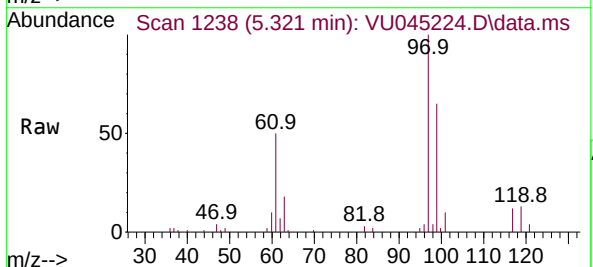
Tgt Ion: 83 Resp: 6075
Ion Ratio Lower Upper
83 100
85 69.3 45.6 84.6

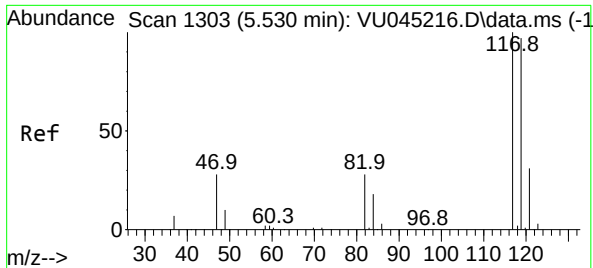


#30

1,1,1-Trichloroethane
Concen: 12.264 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VU045224.D
Acq: 07 Oct 2021 21:52

Tgt Ion: 97 Resp: 47729
Ion Ratio Lower Upper
97 100
99 64.5 50.6 75.8
61 50.6 41.3 61.9

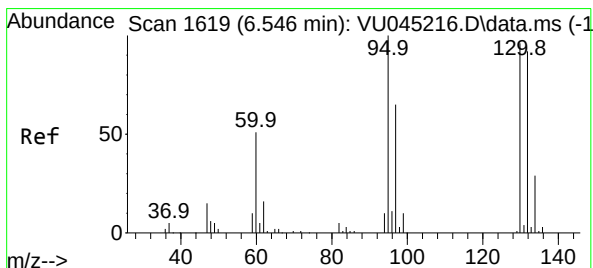
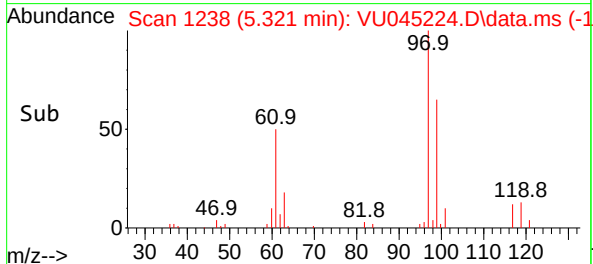
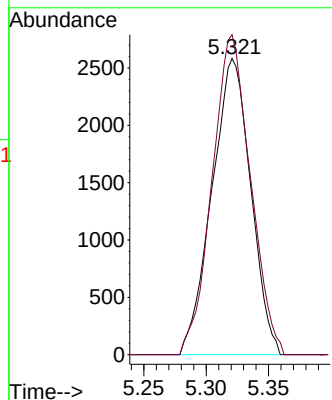
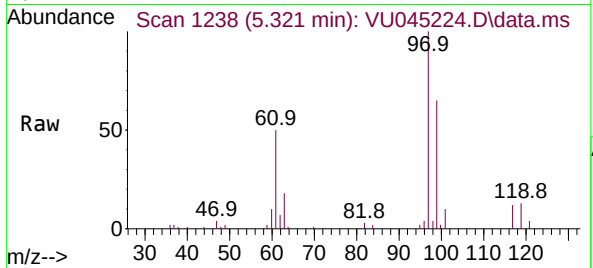




#31
Carbon tetrachloride
Concen: 1.821 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. -0.209 min
Lab File: VU045224.D
Acq: 07 Oct 2021 21:52

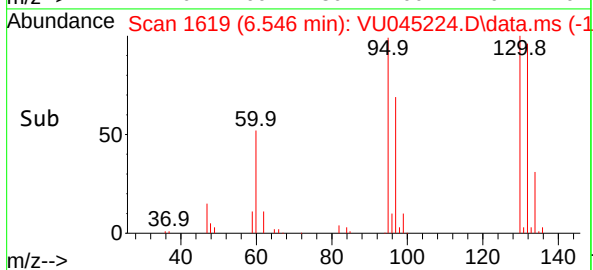
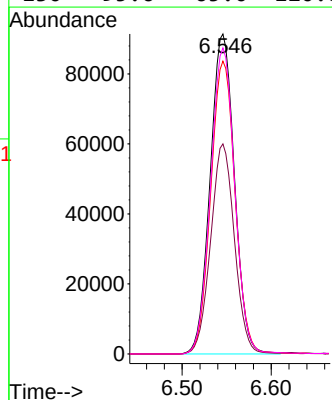
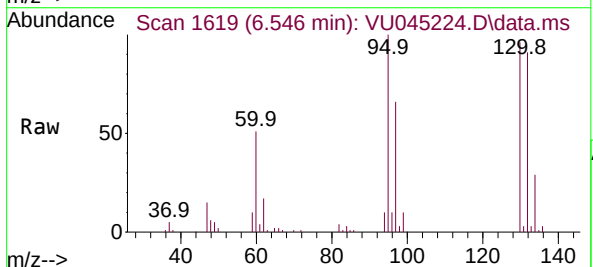
Instrument :
MSVOA_U
ClientSampled :

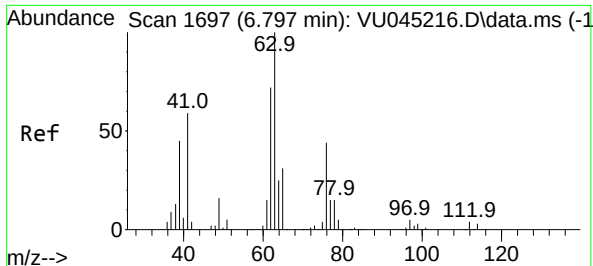
Tgt Ion:117 Resp: 5599
Ion Ratio Lower Upper
117 100
119 106.6 77.7 116.5



#34
Trichloroethene
Concen: 69.114 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU045224.D
Acq: 07 Oct 2021 21:52

Tgt Ion: 95 Resp: 173103
Ion Ratio Lower Upper
95 100
97 65.6 44.4 82.4
132 91.5 62.9 116.9
130 95.6 65.0 120.8

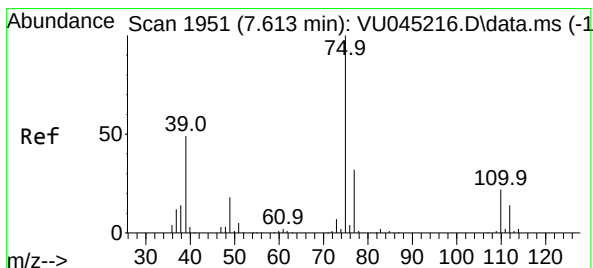
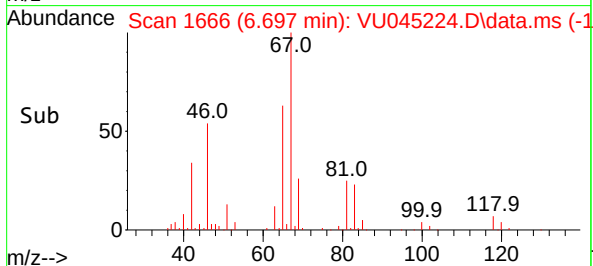
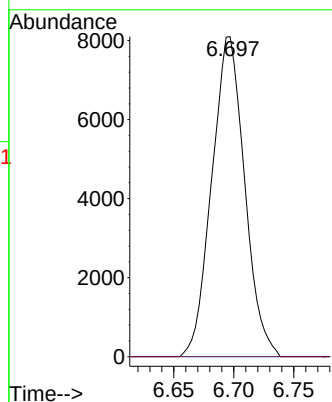
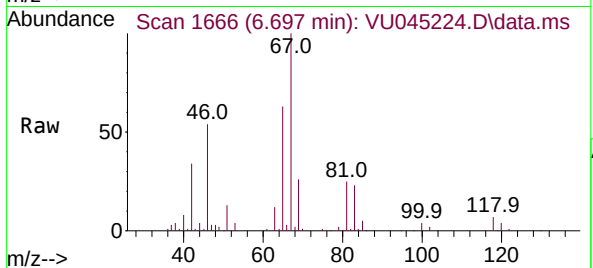




#37
1,2-Dichloropropane
Concen: 5.438 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.100 min
Lab File: VU045224.D
Acq: 07 Oct 2021 21:52

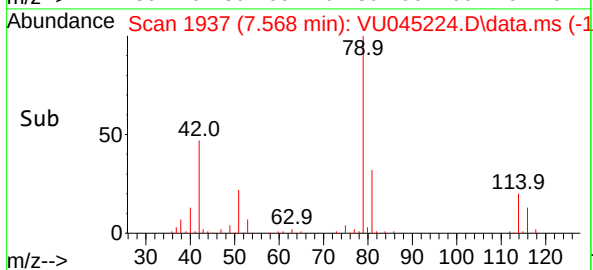
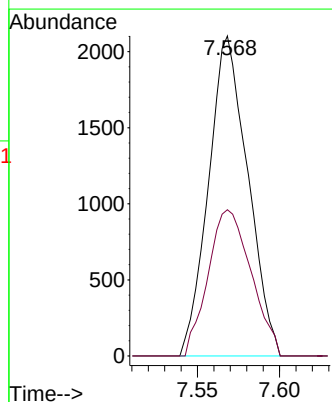
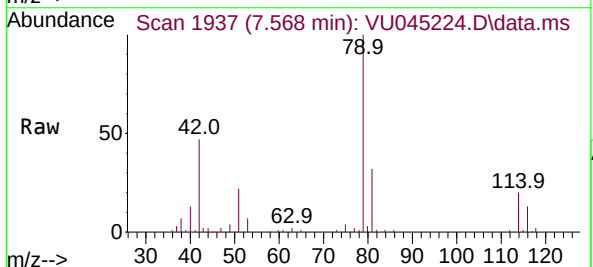
Instrument :
MSVOA_U
ClientSampled :

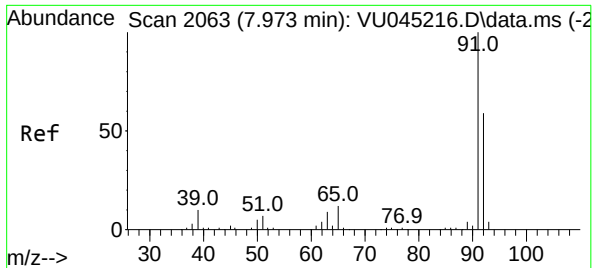
Tgt Ion: 63 Resp: 15438
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



#39
cis-1,3-Dichloropropene
Concen: 0.859 ug/L
RT: 7.568 min Scan# 1937
Delta R.T. -0.045 min
Lab File: VU045224.D
Acq: 07 Oct 2021 21:52

Tgt Ion: 75 Resp: 3491
Ion Ratio Lower Upper
75 100
77 45.7 22.4 41.6#

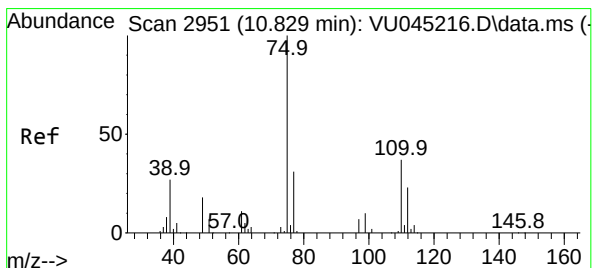
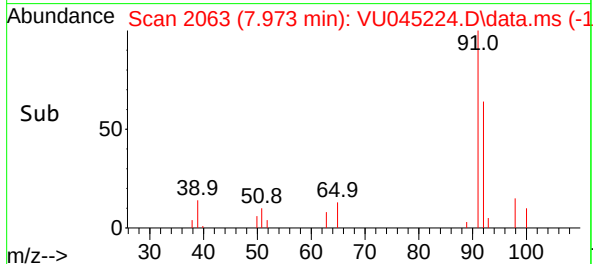
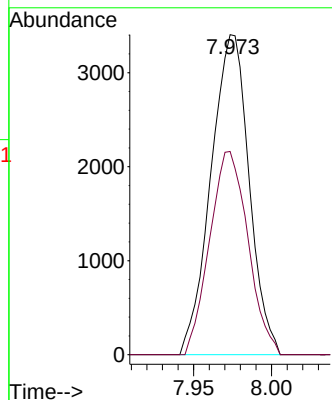
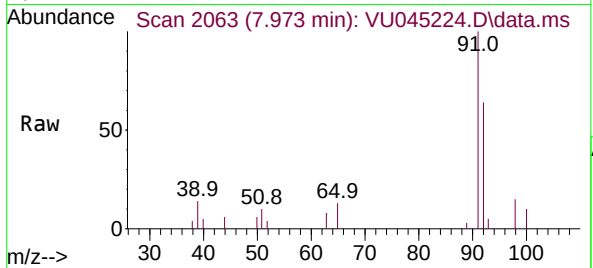




#42
Toluene
Concen: 0.548 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU045224.D
Acq: 07 Oct 2021 21:52

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 91 Resp: 5809
Ion Ratio Lower Upper
91 100
92 63.5 40.5 75.1



#60
1,2,3-Trichloropropane
Concen: 4.928 ug/L
RT: 11.816 min Scan# 3258
Delta R.T. 0.987 min
Lab File: VU045224.D
Acq: 07 Oct 2021 21:52

Tgt Ion: 75 Resp: 16302
Ion Ratio Lower Upper
75 100
77 33.8 25.5 38.3
110 2.3 29.0 43.4#

