

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092024\
 Data File : VU060960.D
 Acq On : 20 Sep 2024 22:31
 Operator : MD/SY
 Sample : P4092-13
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

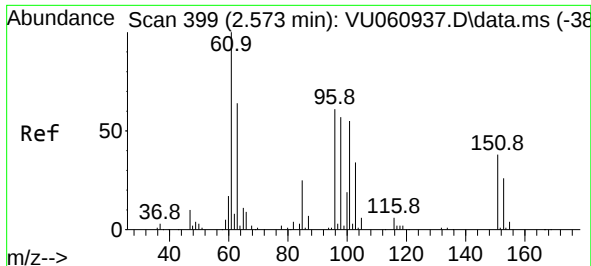
Instrument :
 MSVOA_U
 ClientSampleId :
 C0B54

Quant Time: Sep 21 01:46:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Sep 21 01:39:49 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	125826	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	128339	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	52197	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	49996	4.418	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.400%
7) Chloroethane-d5	1.907	69	39058	4.847	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.000%
11) 1,1-Dichloroethene-d2	2.560	65	18367	4.579	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.600%
20) 2-Butanone-d5	4.624	46	82005	45.136	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.280%
24) Chloroform-d	5.052	84	76360	4.414	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.200%
26) 1,2-Dichloroethane-d4	5.695	65	39986	4.835	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.800%
32) Benzene-d6	5.718	84	150341	4.371	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.400%
36) 1,2-Dichloropropane-d6	6.682	67	51264	4.817	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.400%
41) Toluene-d8	7.891	98	121670	3.880	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.600%
43) trans-1,3-Dichloroprop...	8.174	79	16238	4.239	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.800%
46) 2-Hexanone-d5	8.627	63	67186	44.458	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.920%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	37724	4.524	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	41660	4.750	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.000%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.576	96	6825	0.862	ug/L #	21
19) 1,1-Dichloroethane	3.866	63	3211	0.195	ug/L #	82
22) cis-1,2-Dichloroethene	4.660	96	9331	1.028	ug/L	98
25) Chloroform	5.078	83	8458	0.493	ug/L	92
31) Carbon tetrachloride	5.515	117	11540	0.941	ug/L	98
34) Trichloroethene	6.537	95	33640	3.636	ug/L	93
47) Tetrachloroethene	8.547	164	30756	4.184	ug/L	97

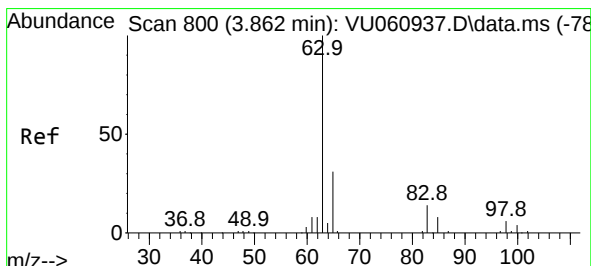
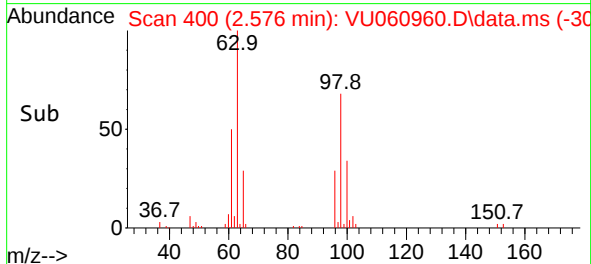
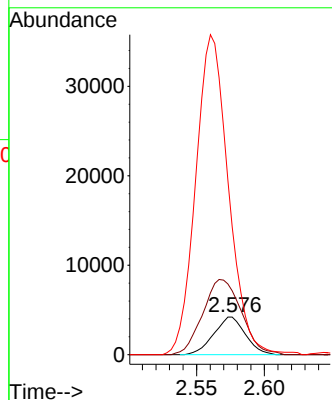
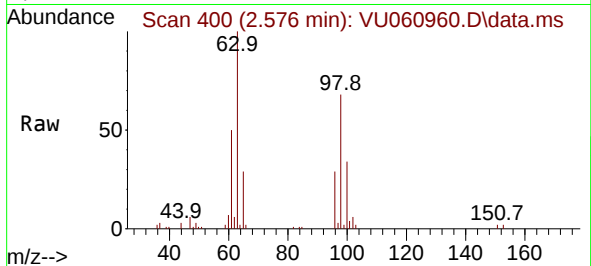
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#12
1,1-Dichloroethene
Concen: 0.862 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU060960.D
Acq: 20 Sep 2024 22:31

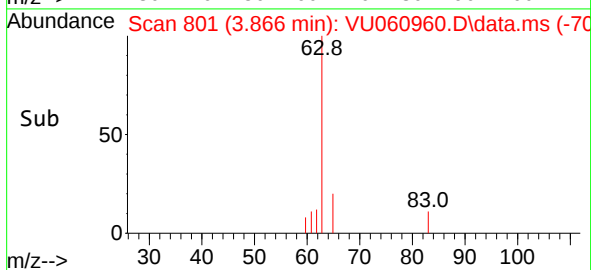
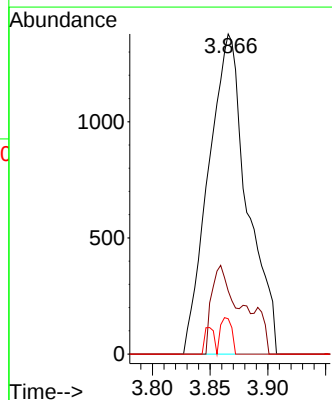
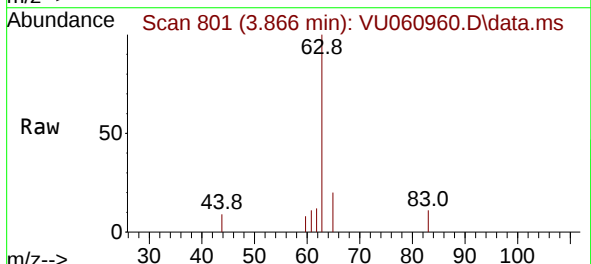
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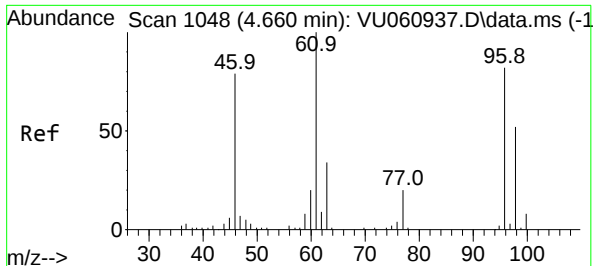
Tgt Ion: 96 Resp: 6825
Ion Ratio Lower Upper
96 100
61 170.0 120.7 224.1
63 340.4 90.0 167.2#



#19
1,1-Dichloroethane
Concen: 0.195 ug/L
RT: 3.866 min Scan# 801
Delta R.T. 0.003 min
Lab File: VU060960.D
Acq: 20 Sep 2024 22:31

Tgt Ion: 63 Resp: 3211
Ion Ratio Lower Upper
63 100
65 19.7 23.0 42.8#
83 11.0 9.0 16.6

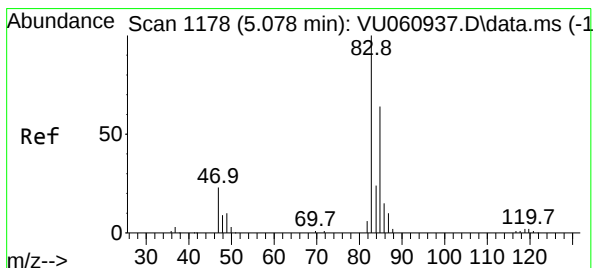
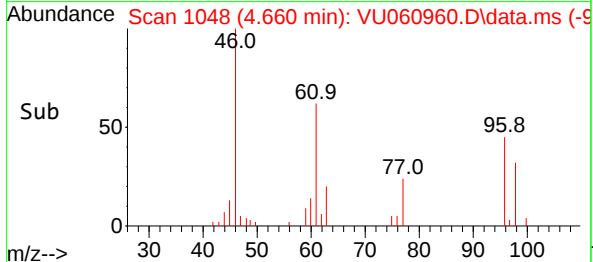
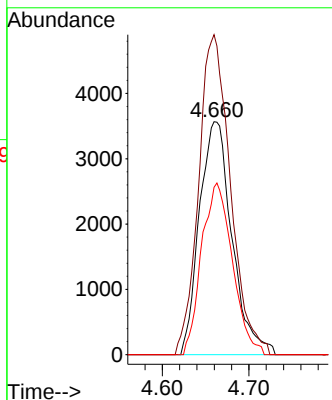
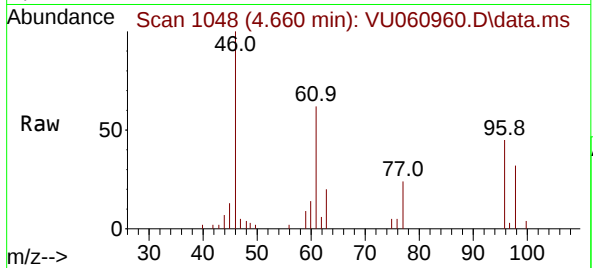




#22
 cis-1,2-Dichloroethene
 Concen: 1.028 ug/L
 RT: 4.660 min Scan# 1104
 Delta R.T. -0.000 min
 Lab File: VU060960.D
 Acq: 20 Sep 2024 22:31

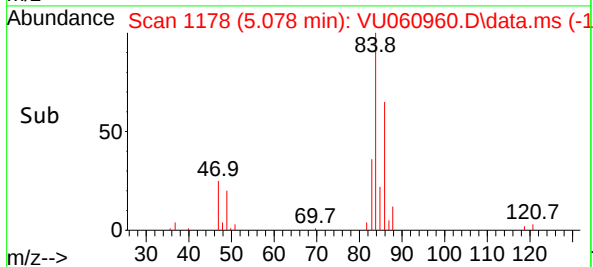
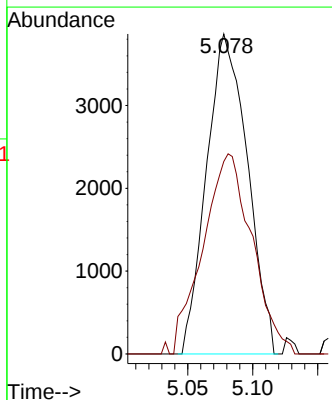
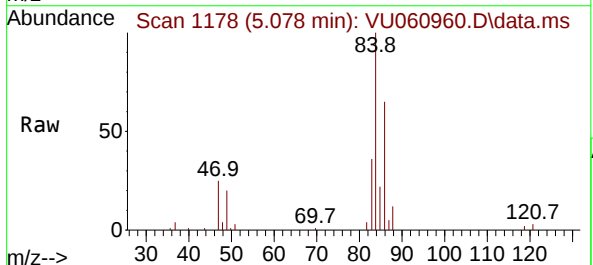
Instrument :
 MSVOA_U
 ClientSampleId :
 C0B54

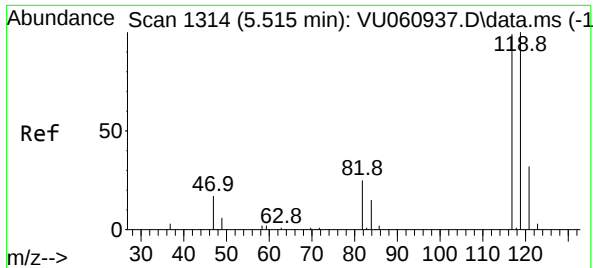
Tgt Ion: 96 Resp: 9331
 Ion Ratio Lower Upper
 96 100
 61 129.6 89.7 166.5
 98 67.7 45.1 83.9



#25
 Chloroform
 Concen: 0.493 ug/L
 RT: 5.078 min Scan# 1178
 Delta R.T. -0.000 min
 Lab File: VU060960.D
 Acq: 20 Sep 2024 22:31

Tgt Ion: 83 Resp: 8458
 Ion Ratio Lower Upper
 83 100
 85 60.1 46.8 86.8

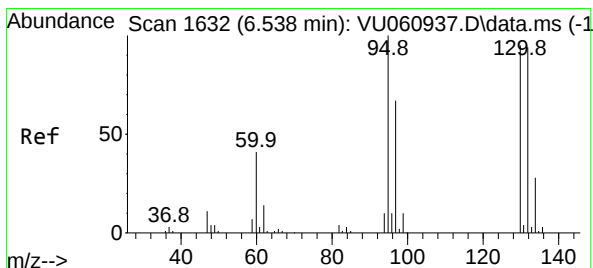
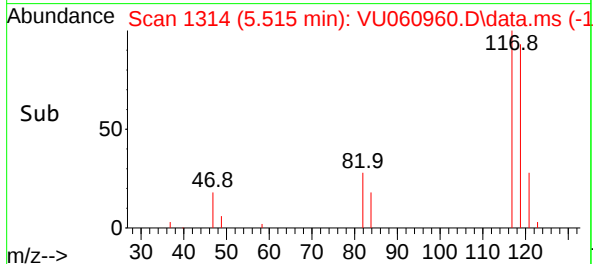
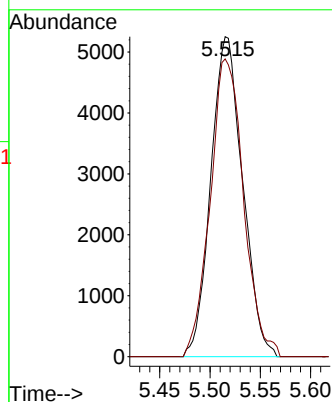
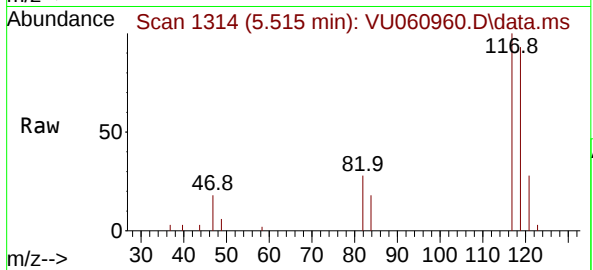




#31
Carbon tetrachloride
Concen: 0.941 ug/L
RT: 5.515 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU060960.D
Acq: 20 Sep 2024 22:31

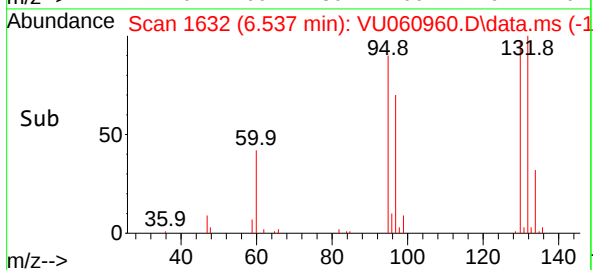
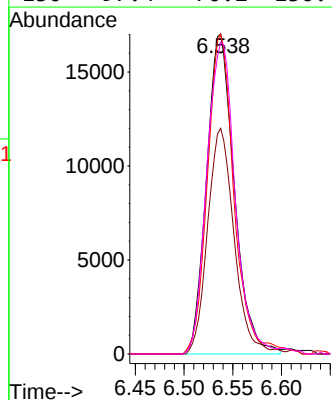
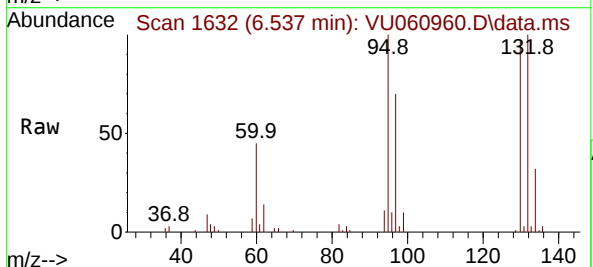
Instrument :
MSVOA_U
ClientSampleId :
C0B54

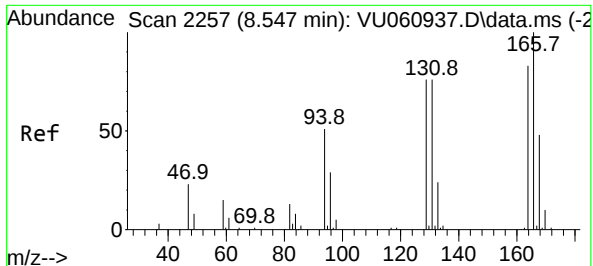
Tgt Ion:117 Resp: 11540
Ion Ratio Lower Upper
117 100
119 97.7 76.3 114.5



#34
Trichloroethene
Concen: 3.636 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VU060960.D
Acq: 20 Sep 2024 22:31

Tgt Ion: 95 Resp: 33640
Ion Ratio Lower Upper
95 100
97 70.5 44.9 83.5
132 100.0 63.5 117.9
130 97.4 70.2 130.4





#47
 Tetrachloroethene
 Concen: 4.184 ug/L
 RT: 8.547 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU060960.D
 Acq: 20 Sep 2024 22:31

Instrument :
 MSVOA_U
 ClientSampleId :
 C0B54

Tgt Ion:164	Resp:	30756
Ion	Ratio	Lower Upper
164	100	
129	99.9	67.3 124.9
131	96.5	65.4 121.4
166	124.9	89.5 166.1

