

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091624\
 Data File : VU060816.D
 Acq On : 17 Sep 2024 06:44
 Operator : MD/SY
 Sample : P3952-11
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0B49

Quant Time: Sep 17 07:26:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Sep 17 02:49:32 2024
 Response via : Initial Calibration

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

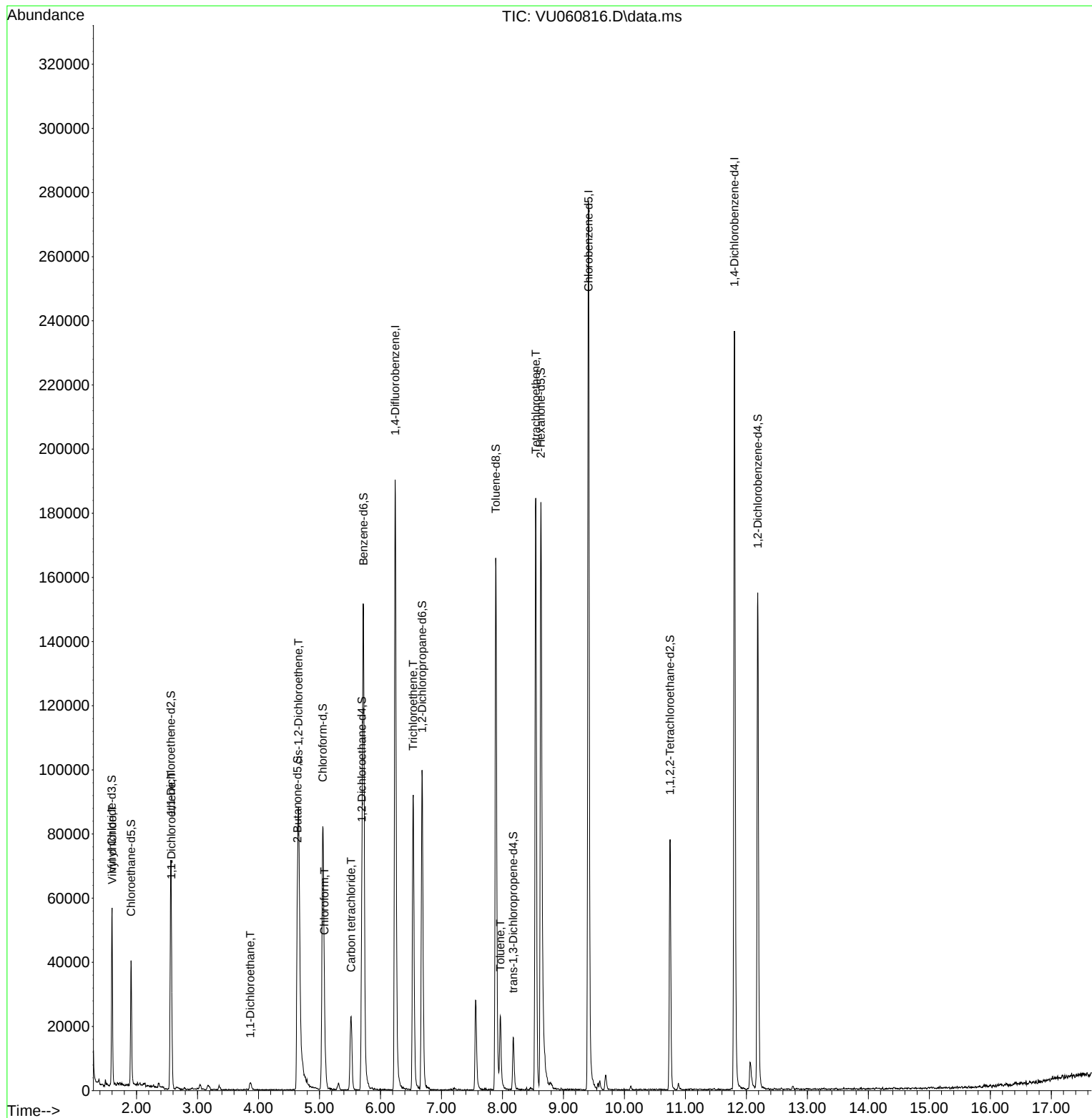
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	168141	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	173823	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	72251	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	24114	1.595	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	31.800%#
7) Chloroethane-d5	1.911	69	28534	2.650	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	53.000%#
11) 1,1-Dichloroethene-d2	2.563	65	13470	2.513	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	50.200%#
20) 2-Butanone-d5	4.637	46	92750	38.203	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	76.400%
24) Chloroform-d	5.055	84	79562	3.441	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	68.800%#
26) 1,2-Dichloroethane-d4	5.695	65	39632	3.586	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.800%
32) Benzene-d6	5.721	84	150827	3.237	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	64.800%#
36) 1,2-Dichloropropane-d6	6.685	67	51896	3.600	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	72.000%
41) Toluene-d8	7.891	98	122459	2.883	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	57.600%#
43) trans-1,3-Dichloroprop...	8.177	79	11464	2.209	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	44.200%#
46) 2-Hexanone-d5	8.631	63	66749	32.612	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	65.220%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	43235	3.828	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	76.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	46028	3.791	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	75.800%#
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	17434	1.201	ug/L	91
12) 1,1-Dichloroethene	2.573	96	2342	0.221	ug/L #	1
19) 1,1-Dichloroethane	3.865	63	3335	0.152	ug/L #	89
22) cis-1,2-Dichloroethene	4.656	96	29859	2.462	ug/L	94
25) Chloroform	5.081	83	14034	0.612	ug/L	99
31) Carbon tetrachloride	5.518	117	17052	1.026	ug/L	99
34) Trichloroethene	6.537	95	34002	2.714	ug/L	93
42) Toluene	7.965	91	18437	0.369	ug/L	89
47) Tetrachloroethene	8.547	164	43221	4.341	ug/L	98

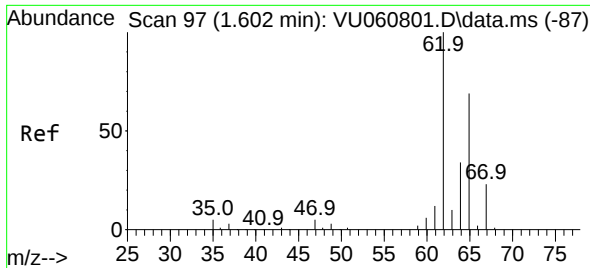
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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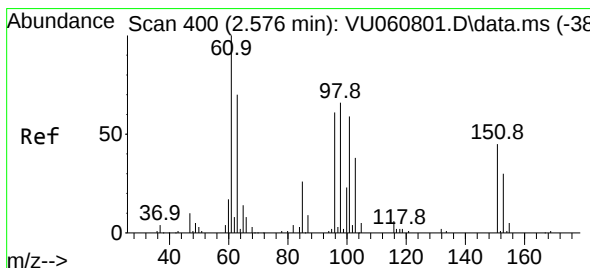
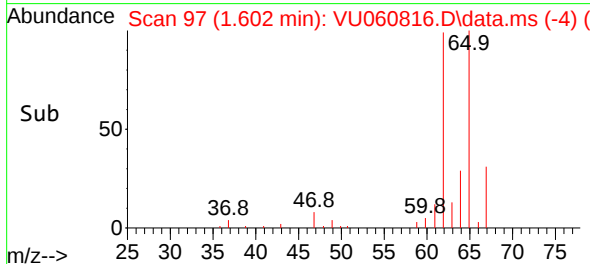
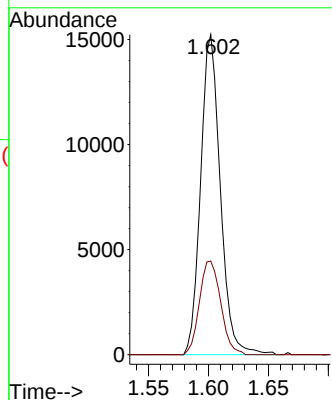
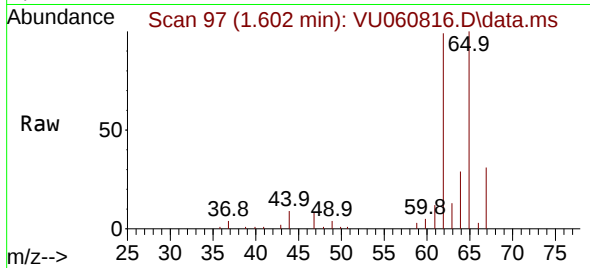




#5
 Vinyl chloride
 Concen: 1.201 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU060816.D
 Acq: 17 Sep 2024 06:44

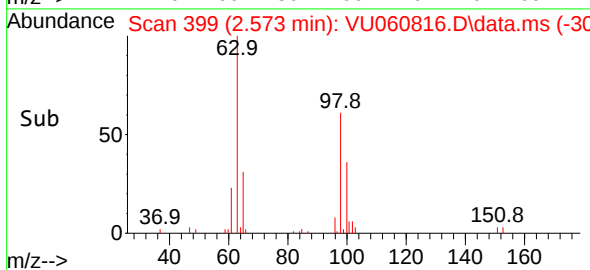
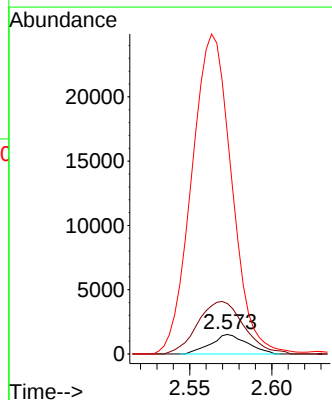
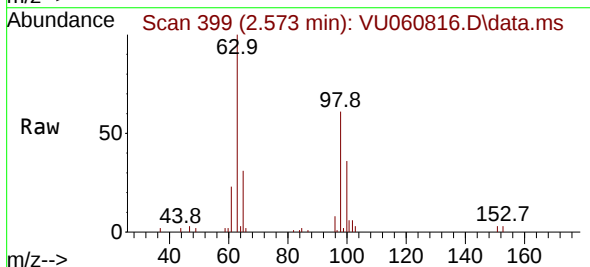
Instrument :
 MSVOA_U
 ClientSampleId :
 C0B49

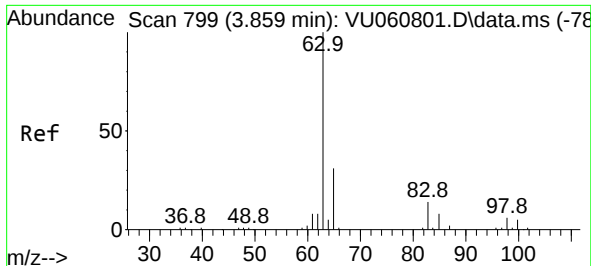
Tgt Ion: 62 Resp: 17434
 Ion Ratio Lower Upper
 62 100
 64 29.3 24.0 44.6



#12
 1,1-Dichloroethene
 Concen: 0.221 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.003 min
 Lab File: VU060816.D
 Acq: 17 Sep 2024 06:44

Tgt Ion: 96 Resp: 2342
 Ion Ratio Lower Upper
 96 100
 61 256.8 120.7 224.1#
 63 1121.6 90.0 167.2#





#19

1,1-Dichloroethane

Concen: 0.152 ug/L

RT: 3.865 min Scan# 801

Delta R.T. 0.006 min

Lab File: VU060816.D

Acq: 17 Sep 2024 06:44

Instrument :

MSVOA_U

ClientSampleId :

C0B49

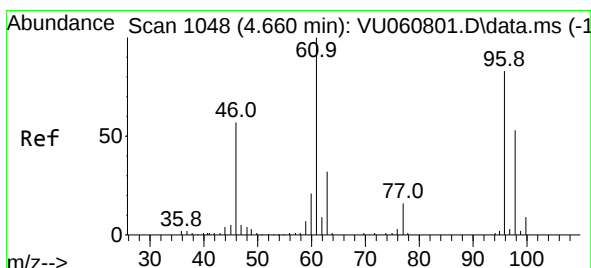
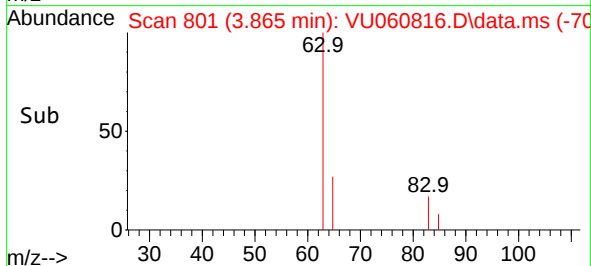
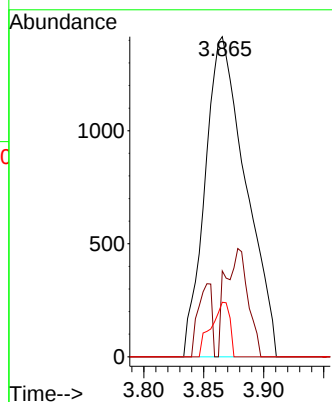
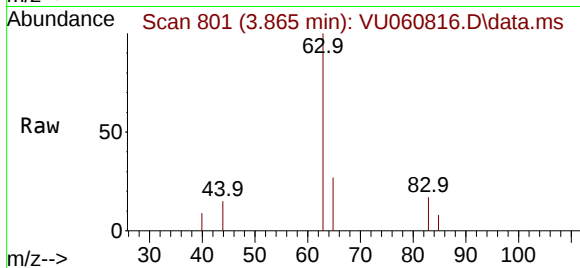
Tgt Ion: 63 Resp: 3335

Ion Ratio Lower Upper

63 100

65 26.8 23.0 42.8

83 17.0 9.0 16.6#



#22

cis-1,2-Dichloroethene

Concen: 2.462 ug/L

RT: 4.656 min Scan# 1047

Delta R.T. -0.003 min

Lab File: VU060816.D

Acq: 17 Sep 2024 06:44

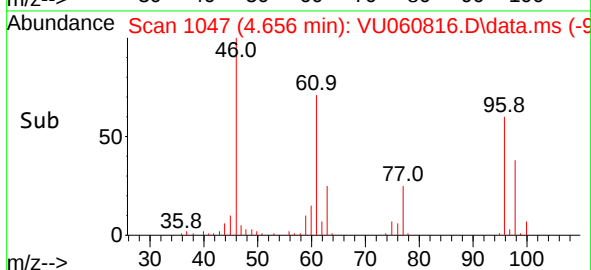
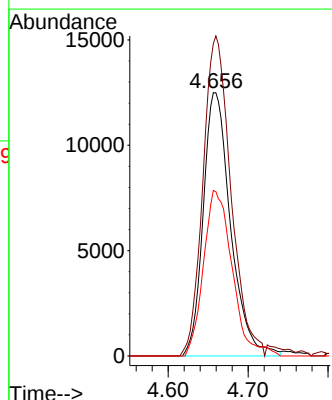
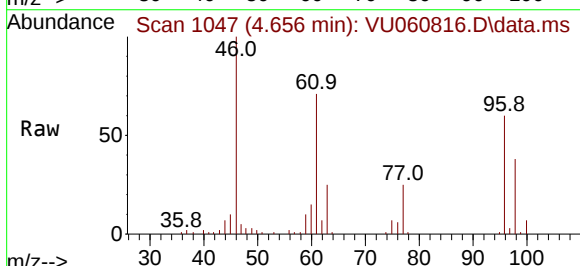
Tgt Ion: 96 Resp: 29859

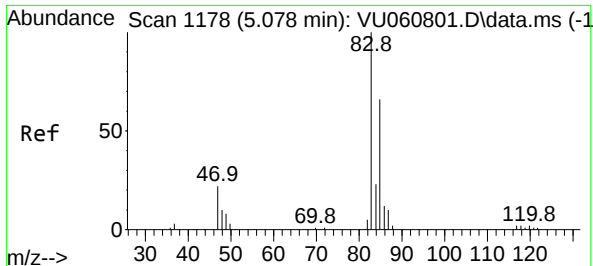
Ion Ratio Lower Upper

96 100

61 118.6 89.7 166.5

98 62.8 45.1 83.9





#25

Chloroform

Concen: 0.612 ug/L

RT: 5.081 min Scan# 1178

Delta R.T. 0.003 min

Lab File: VU060816.D

Acq: 17 Sep 2024 06:44

Instrument :

MSVOA_U

ClientSampleId :

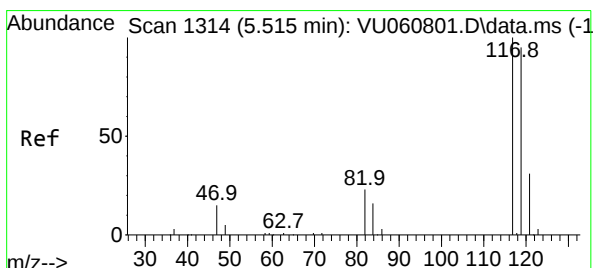
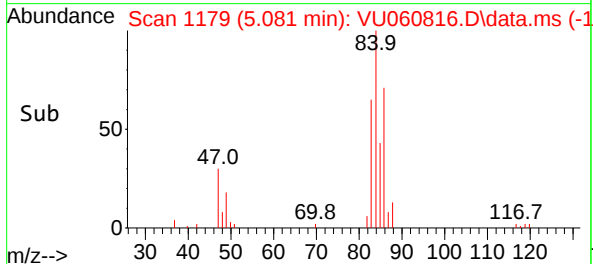
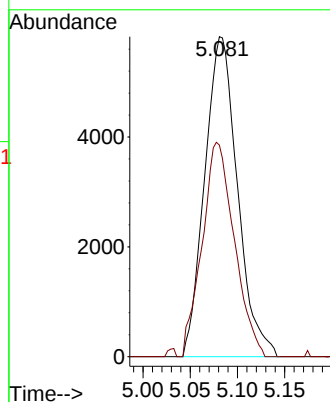
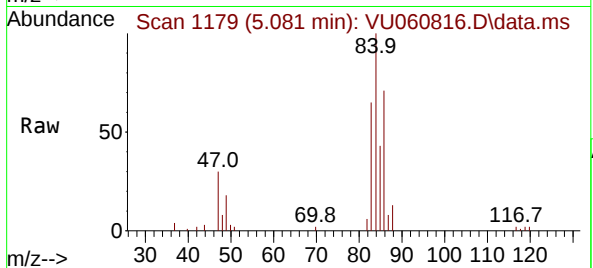
C0B49

Tgt Ion: 83 Resp: 14034

Ion Ratio Lower Upper

83 100

85 66.1 46.8 86.8



#31

Carbon tetrachloride

Concen: 1.026 ug/L

RT: 5.518 min Scan# 1315

Delta R.T. 0.003 min

Lab File: VU060816.D

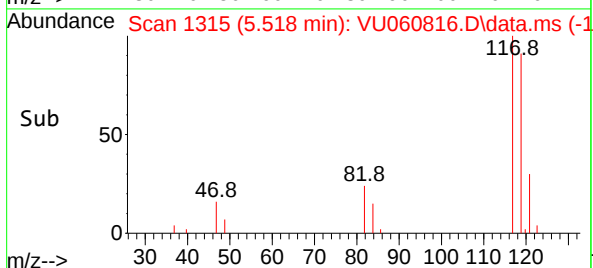
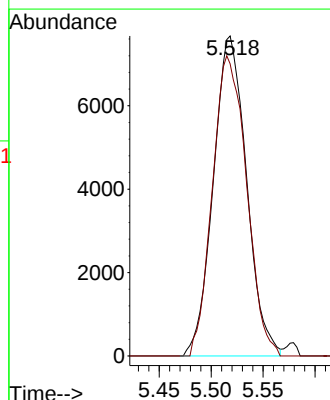
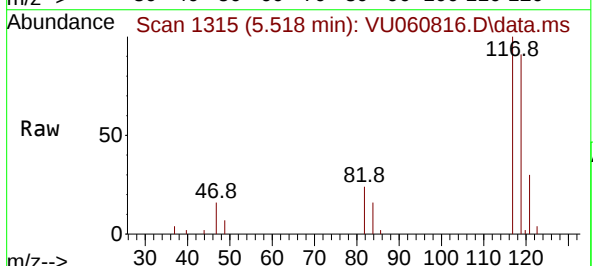
Acq: 17 Sep 2024 06:44

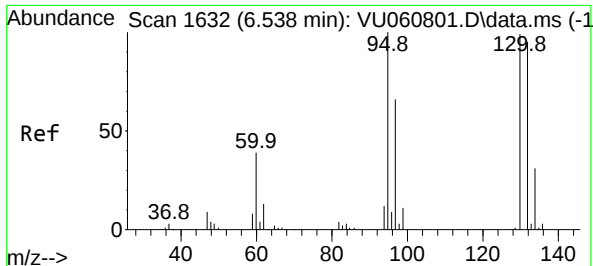
Tgt Ion: 117 Resp: 17052

Ion Ratio Lower Upper

117 100

119 96.2 76.3 114.5

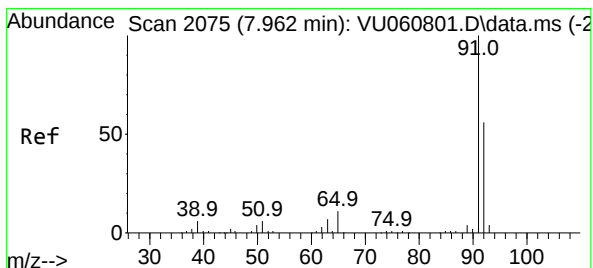
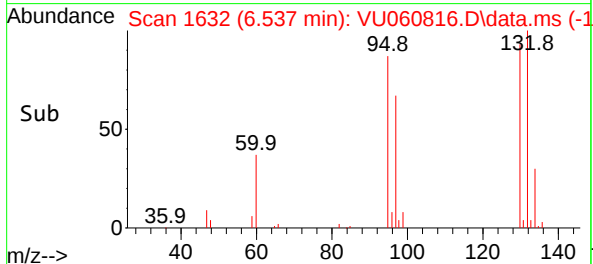
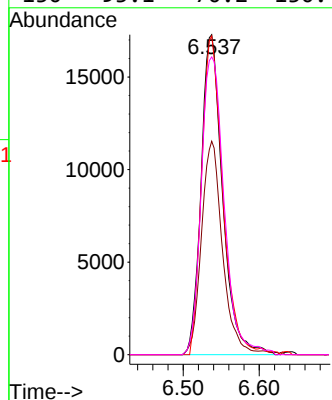
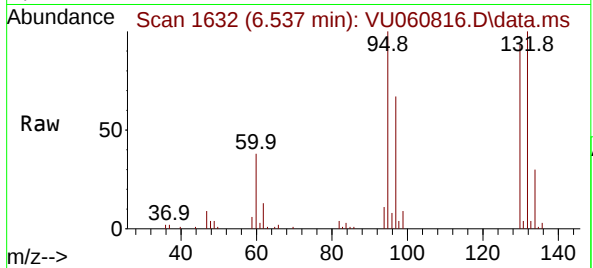




#34
Trichloroethene
Concen: 2.714 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU060816.D
Acq: 17 Sep 2024 06:44

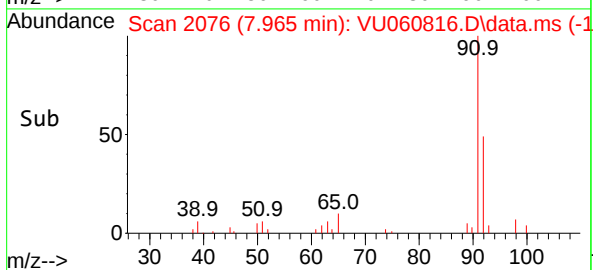
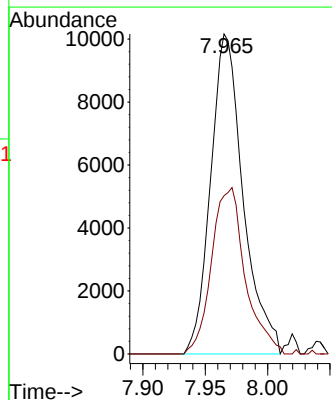
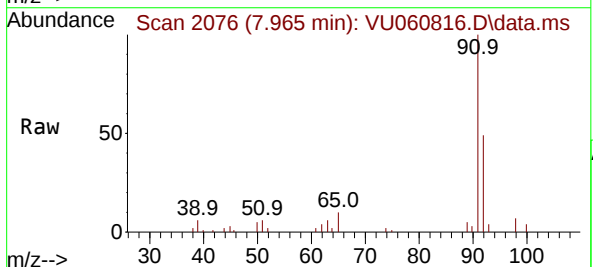
Instrument :
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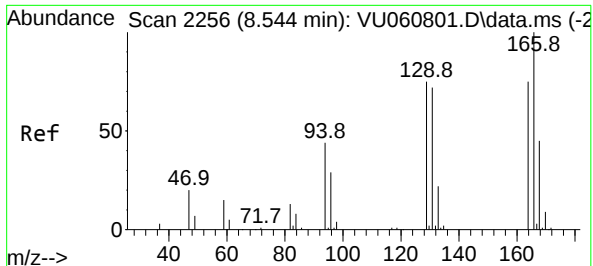
Tgt Ion: 95 Resp: 34002
Ion Ratio Lower Upper
95 100
97 66.7 44.9 83.5
132 99.6 63.5 117.9
130 93.1 70.2 130.4



#42
Toluene
Concen: 0.369 ug/L
RT: 7.965 min Scan# 2076
Delta R.T. 0.003 min
Lab File: VU060816.D
Acq: 17 Sep 2024 06:44

Tgt Ion: 91 Resp: 18437
Ion Ratio Lower Upper
91 100
92 49.5 40.5 75.3





#47
 Tetrachloroethene
 Concen: 4.341 ug/L
 RT: 8.547 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VU060816.D
 Acq: 17 Sep 2024 06:44

Instrument :
 MSVOA_U
 ClientSampleId :
 C0B49

Tgt Ion:164	Resp:	43221
Ion	Ratio	Lower Upper
164	100	
129	98.9	67.3 124.9
131	95.0	65.4 121.4
166	129.3	89.5 166.1

