

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092324\
 Data File : VU060968.D
 Acq On : 23 Sep 2024 11:35
 Operator : MD/SY
 Sample : P4092-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0B28

Quant Time: Sep 24 06:08:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Sep 24 06:06:45 2024
 Response via : Initial Calibration

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

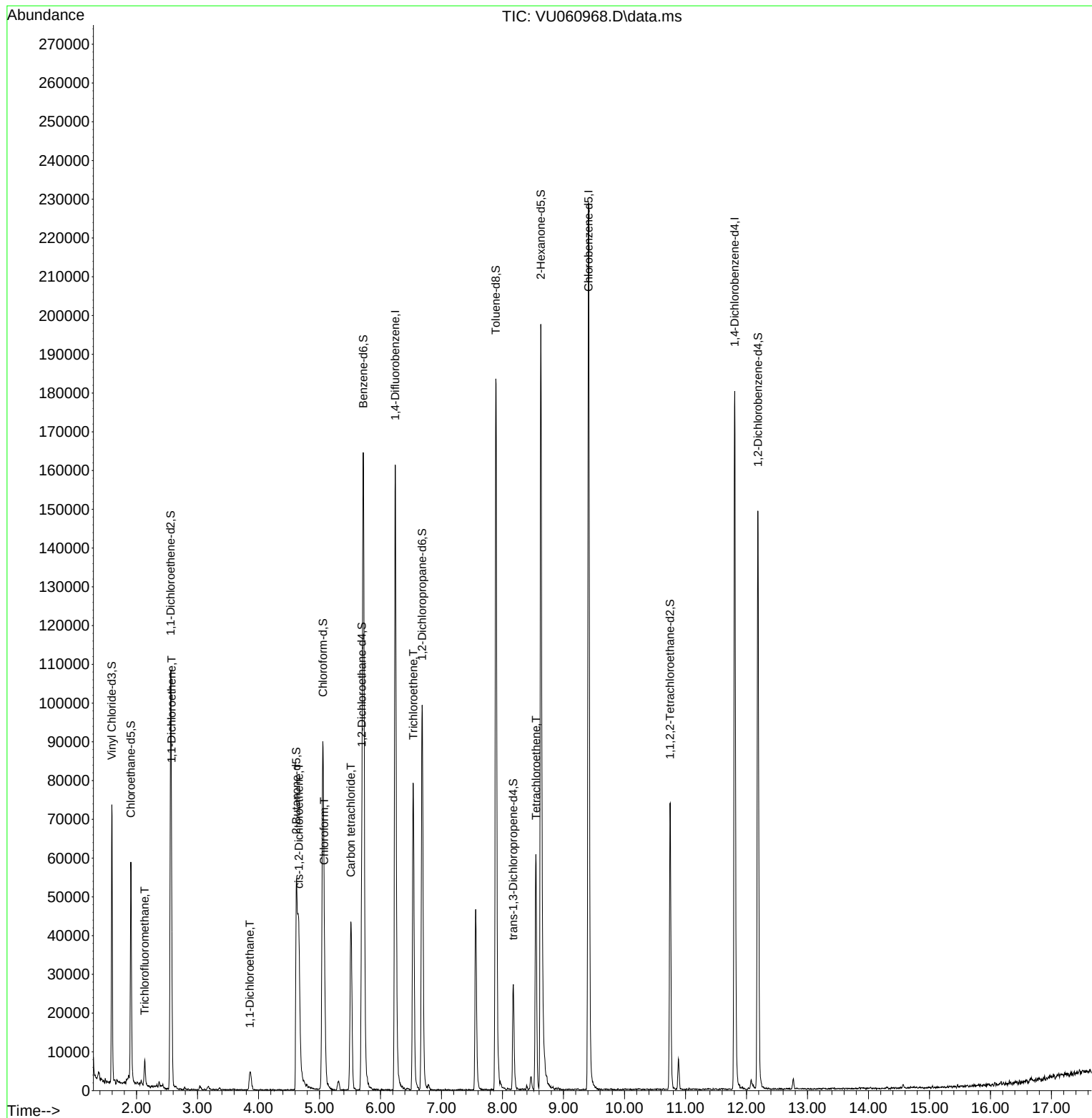
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	135279	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	136798	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	51867	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	52207	4.291	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.800%
7) Chloroethane-d5	1.907	69	42391	4.893	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.800%
11) 1,1-Dichloroethene-d2	2.560	65	19331	4.482	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.600%
20) 2-Butanone-d5	4.621	46	85431	43.736	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.480%
24) Chloroform-d	5.055	84	83015	4.463	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.200%
26) 1,2-Dichloroethane-d4	5.695	65	41937	4.717	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.400%
32) Benzene-d6	5.718	84	159450	4.349	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.000%
36) 1,2-Dichloropropane-d6	6.682	67	53339	4.702	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.000%
41) Toluene-d8	7.891	98	134505	4.024	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.400%
43) trans-1,3-Dichloroprop...	8.177	79	18309	4.484	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.600%
46) 2-Hexanone-d5	8.627	63	70133	43.539	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.080%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	40203	4.524	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	42525	4.879	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.600%
Target Compounds						Qvalue
9) Trichlorofluoromethane	2.136	101	4355	0.272	ug/L	98
12) 1,1-Dichloroethene	2.573	96	6051	0.711	ug/L #	1
19) 1,1-Dichloroethane	3.859	63	6715	0.379	ug/L	96
22) cis-1,2-Dichloroethene	4.663	96	17397	1.783	ug/L	91
25) Chloroform	5.078	83	20199	1.094	ug/L	99
31) Carbon tetrachloride	5.515	117	31110	2.379	ug/L	99
34) Trichloroethene	6.537	95	28564	2.897	ug/L	93
47) Tetrachloroethene	8.550	164	14135	1.804	ug/L	91

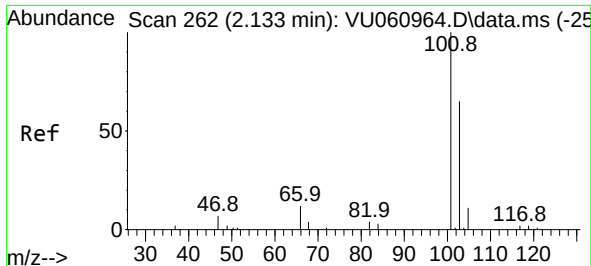
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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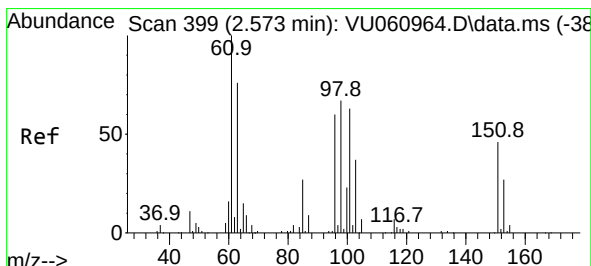
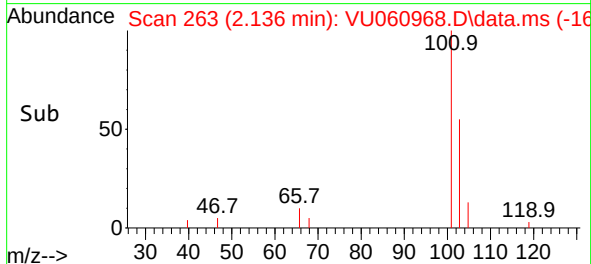
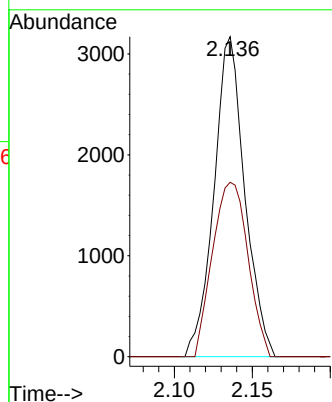
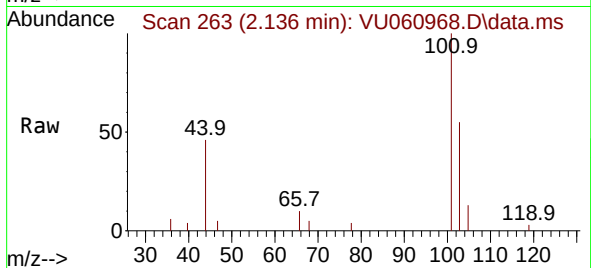




#9
Trichlorofluoromethane
Concen: 0.272 ug/L
RT: 2.136 min Scan# 20
Delta R.T. 0.003 min
Lab File: VU060968.D
Acq: 23 Sep 2024 11:35

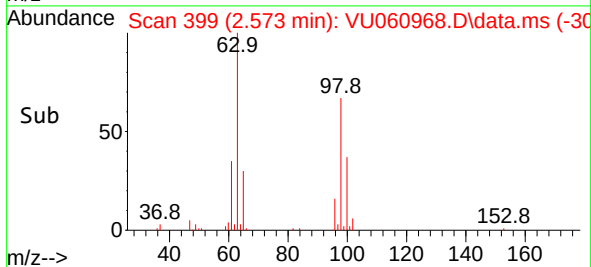
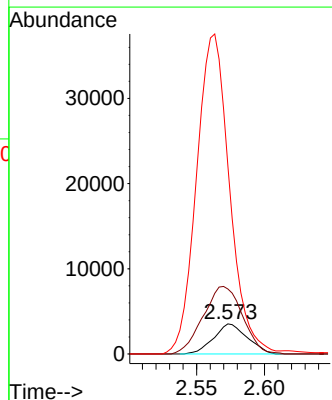
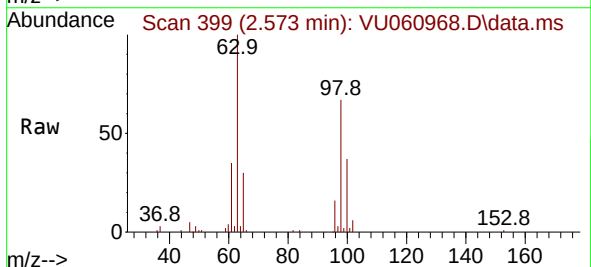
Instrument :
MSVOA_U
ClientSampleId :
C0B28

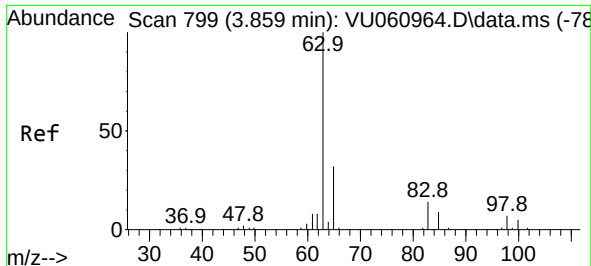
Tgt Ion:101 Resp: 4355
Ion Ratio Lower Upper
101 100
103 62.5 51.4 77.2



#12
1,1-Dichloroethene
Concen: 0.711 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.000 min
Lab File: VU060968.D
Acq: 23 Sep 2024 11:35

Tgt Ion: 96 Resp: 6051
Ion Ratio Lower Upper
96 100
61 216.2 120.7 224.1
63 626.3 90.0 167.2#





#19

1,1-Dichloroethane

Concen: 0.379 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.000 min

Lab File: VU060968.D

Acq: 23 Sep 2024 11:35

Instrument :

MSVOA_U

ClientSampleId :

C0B28

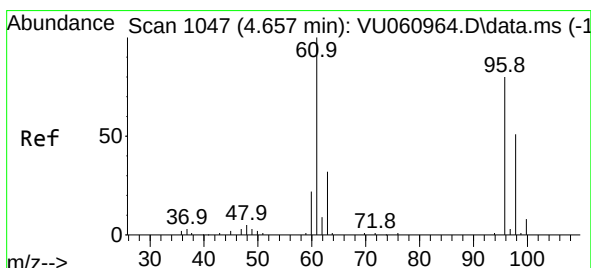
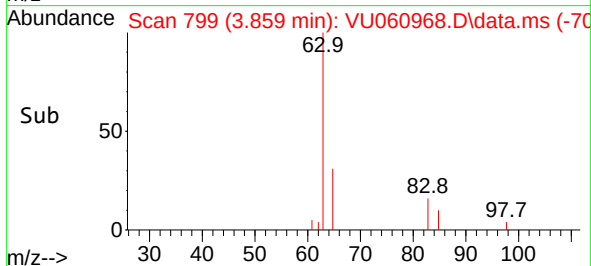
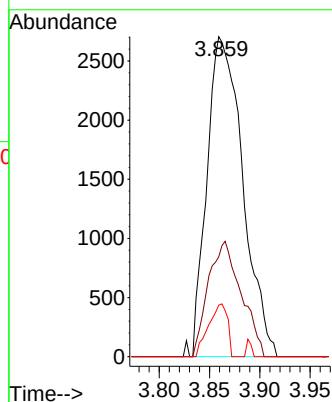
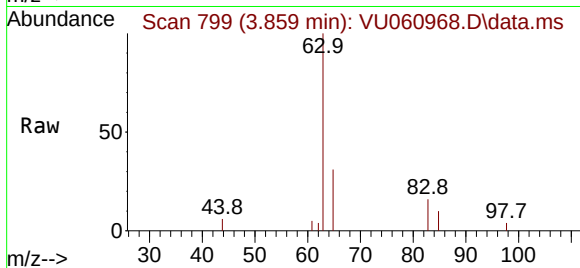
Tgt Ion: 63 Resp: 6715

Ion Ratio Lower Upper

63 100

65 31.2 23.0 42.8

83 16.1 9.0 16.6



#22

cis-1,2-Dichloroethene

Concen: 1.783 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. 0.006 min

Lab File: VU060968.D

Acq: 23 Sep 2024 11:35

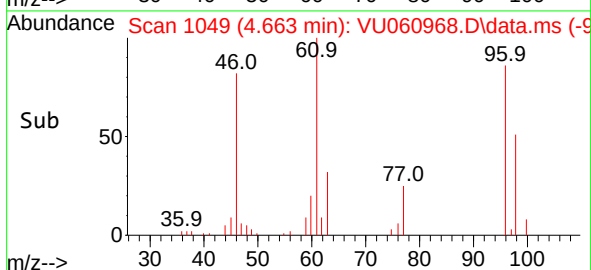
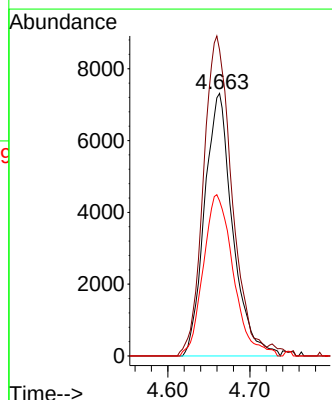
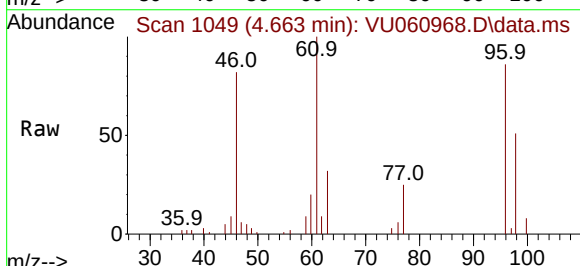
Tgt Ion: 96 Resp: 17397

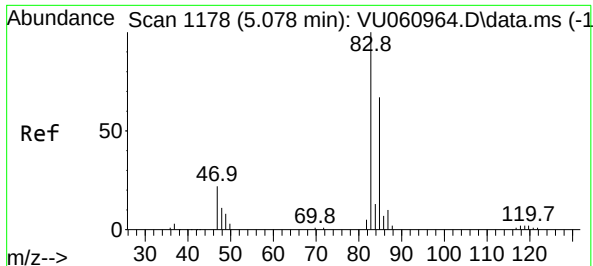
Ion Ratio Lower Upper

96 100

61 116.6 89.7 166.5

98 59.1 45.1 83.9





#25

Chloroform

Concen: 1.094 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.000 min

Lab File: VU060968.D

Acq: 23 Sep 2024 11:35

Instrument :

MSVOA_U

ClientSampleId :

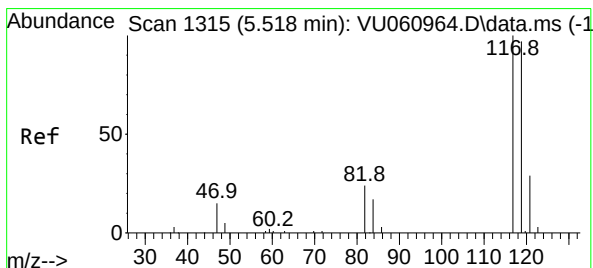
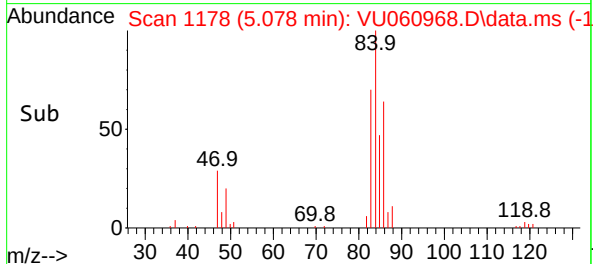
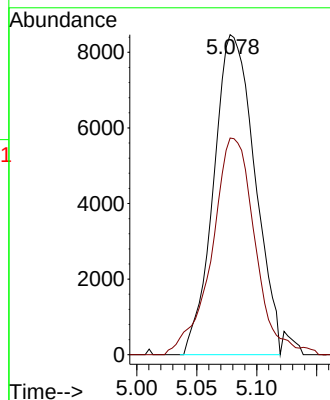
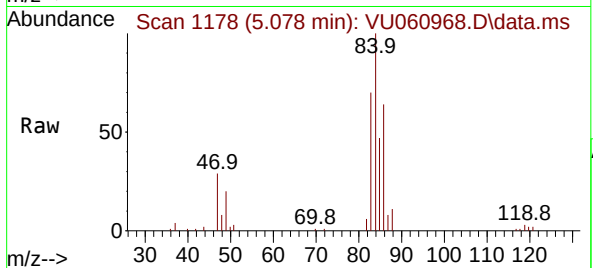
C0B28

Tgt Ion: 83 Resp: 20199

Ion Ratio Lower Upper

83 100

85 67.7 46.8 86.8



#31

Carbon tetrachloride

Concen: 2.379 ug/L

RT: 5.515 min Scan# 1314

Delta R.T. -0.003 min

Lab File: VU060968.D

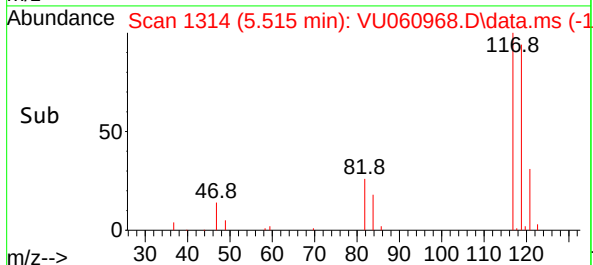
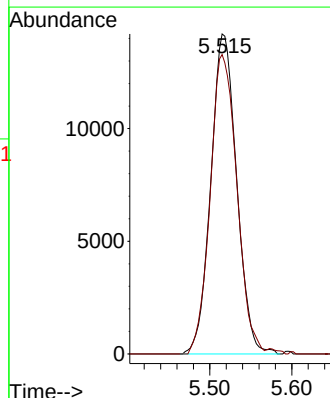
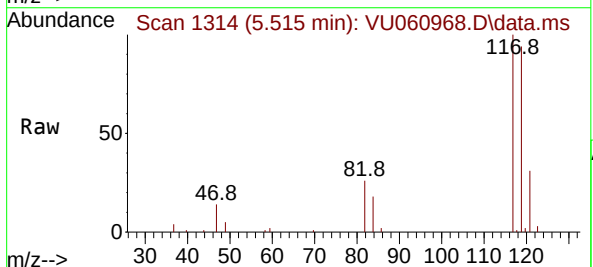
Acq: 23 Sep 2024 11:35

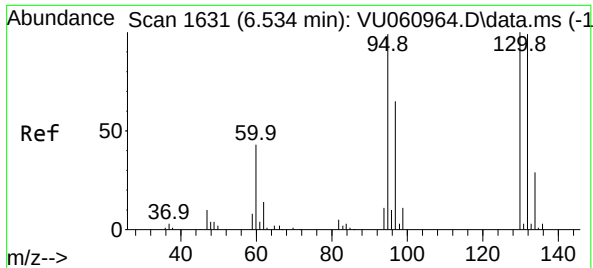
Tgt Ion: 117 Resp: 31110

Ion Ratio Lower Upper

117 100

119 96.5 76.3 114.5



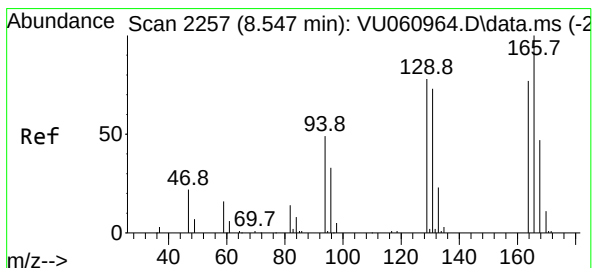
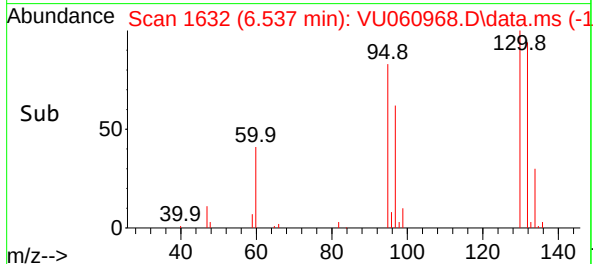
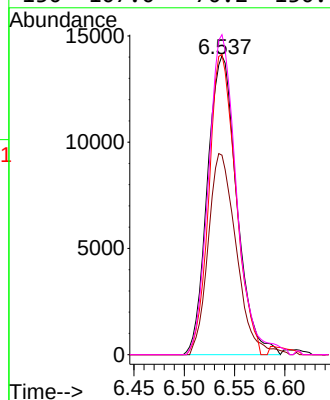
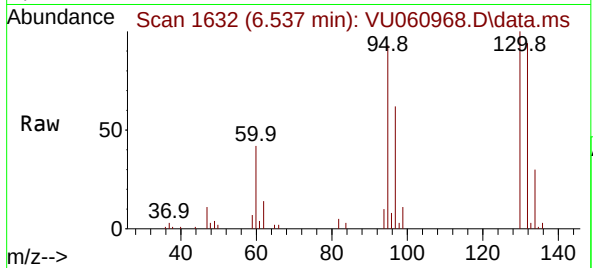


#34
Trichloroethene
Concen: 2.897 ug/L
RT: 6.537 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU060968.D
Acq: 23 Sep 2024 11:35

Instrument :
MSVOA_U
ClientSampleId :
C0B28

Tgt Ion: 95 Resp: 28564

Ion	Ratio	Lower	Upper
95	100		
97	66.7	44.9	83.5
132	100.4	63.5	117.9
130	107.0	70.2	130.4



#47
Tetrachloroethene
Concen: 1.804 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.003 min
Lab File: VU060968.D
Acq: 23 Sep 2024 11:35

Tgt Ion: 164 Resp: 14135

Ion	Ratio	Lower	Upper
164	100		
129	100.4	67.3	124.9
131	99.3	65.4	121.4
166	144.6	89.5	166.1

