

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111523\
 Data File : VU056352.D
 Acq On : 15 Nov 2023 13:44
 Operator : MD/SY
 Sample : 05339-12
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GCDJ7

Quant Time: Nov 16 04:38:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 16 04:37:29 2023
 Response via : Initial Calibration

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

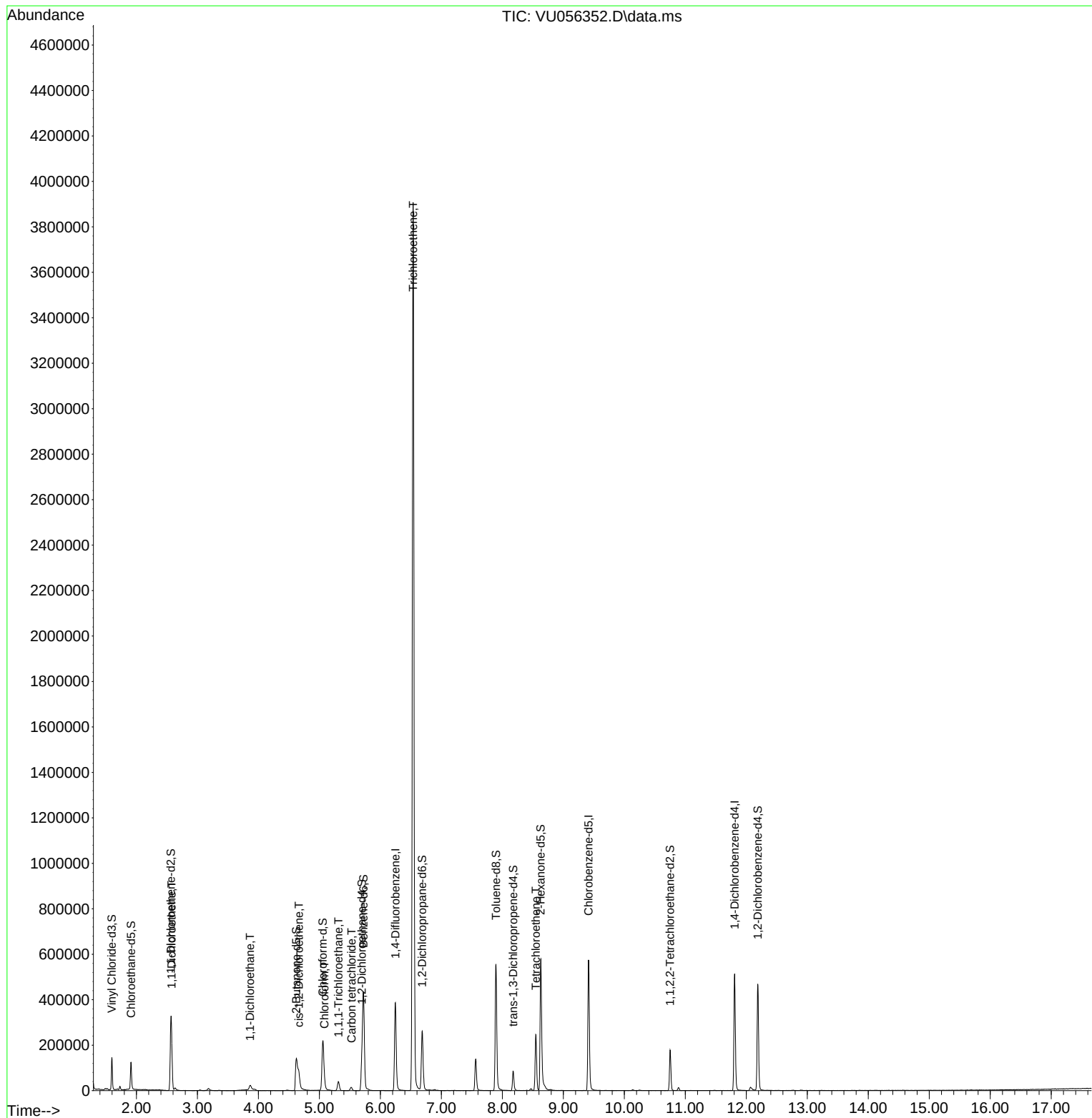
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	316718	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	335526	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.808	152	136251	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	101323	4.277	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.600%
7) Chloroethane-d5	1.911	69	86325	4.753	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.000%
11) 1,1-Dichloroethene-d2	2.564	65	47900	4.582	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.600%
20) 2-Butanone-d5	4.621	46	224002	47.421	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.840%
24) Chloroform-d	5.056	84	209900	4.581	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.600%
26) 1,2-Dichloroethane-d4	5.695	65	103983	4.911	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.200%
32) Benzene-d6	5.721	84	422641	4.228	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.600%
36) 1,2-Dichloropropane-d6	6.682	67	131180	4.354	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.000%
41) Toluene-d8	7.895	98	385072	4.362	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.200%
43) trans-1,3-Dichloroprop...	8.178	79	49344	4.270	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.400%
46) 2-Hexanone-d5	8.628	63	204011	44.927	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.860%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	91045	4.229	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	121505	4.827	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.600%
Target Compounds						
12) 1,1-Dichloroethene	2.577	96	45866	2.366	ug/L	# 65
19) 1,1-Dichloroethane	3.863	63	22307	0.565	ug/L	99
22) cis-1,2-Dichloroethene	4.663	96	29737	1.314	ug/L	97
25) Chloroform	5.081	83	17976	0.420	ug/L	99
29) 1,1,1-Trichloroethane	5.313	97	29515	0.766	ug/L	98
31) Carbon tetrachloride	5.525	117	10715	0.324	ug/L	96
34) Trichloroethene	6.535	95	1412458	54.149	ug/L	98
47) Tetrachloroethene	8.547	164	53349	3.033	ug/L	98

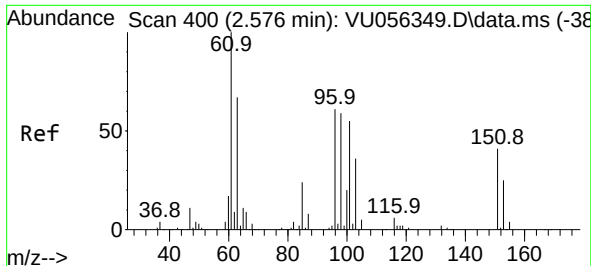
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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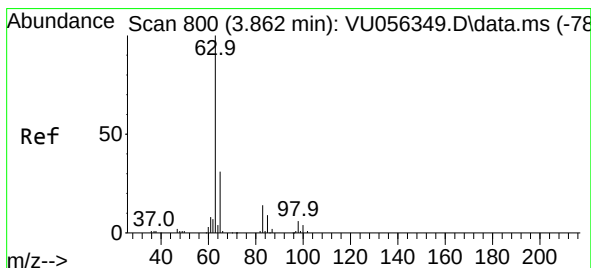
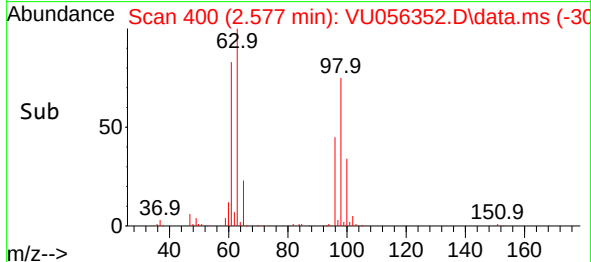
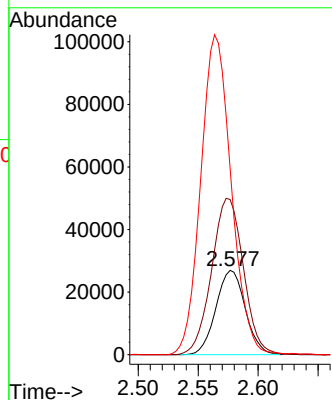
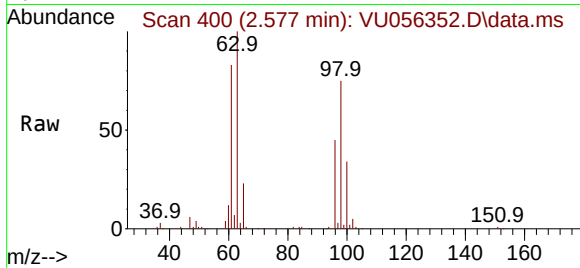




#12
1,1-Dichloroethene
Concen: 2.366 ug/L
RT: 2.577 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU056352.D
Acq: 15 Nov 2023 13:44

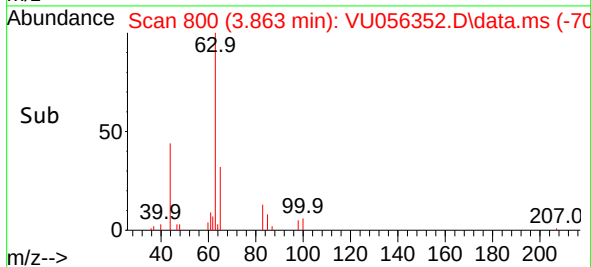
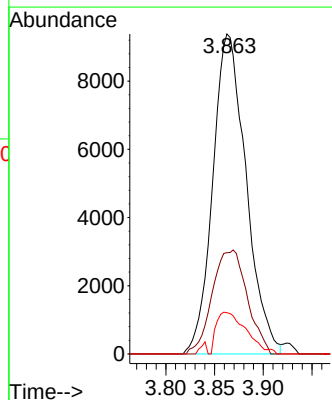
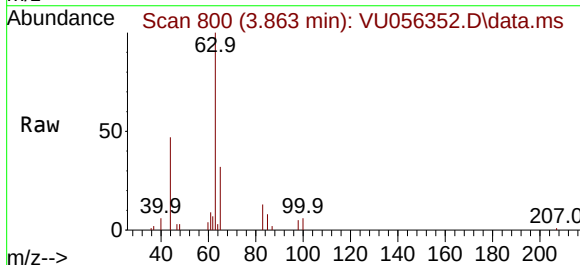
Instrument :
MSVOA_U
ClientSampleId :
GCDJ7

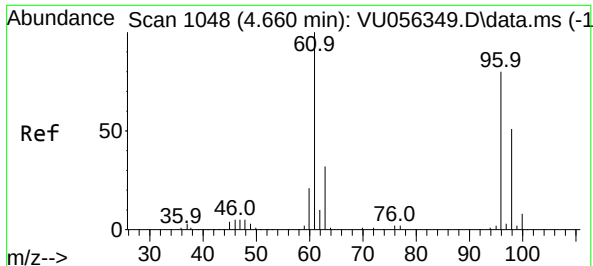
Tgt Ion: 96 Resp: 45866
Ion Ratio Lower Upper
96 100
61 184.1 123.1 228.7
63 220.8 93.3 173.3#



#19
1,1-Dichloroethane
Concen: 0.565 ug/L
RT: 3.863 min Scan# 800
Delta R.T. 0.000 min
Lab File: VU056352.D
Acq: 15 Nov 2023 13:44

Tgt Ion: 63 Resp: 22307
Ion Ratio Lower Upper
63 100
65 31.6 21.8 40.6
83 12.9 9.7 17.9





#22

cis-1,2-Dichloroethene

Concen: 1.314 ug/L

RT: 4.663 min Scan# 1104

Delta R.T. 0.004 min

Lab File: VU056352.D

Acq: 15 Nov 2023 13:44

Instrument :

MSVOA_U

ClientSampleId :

GCDJ7

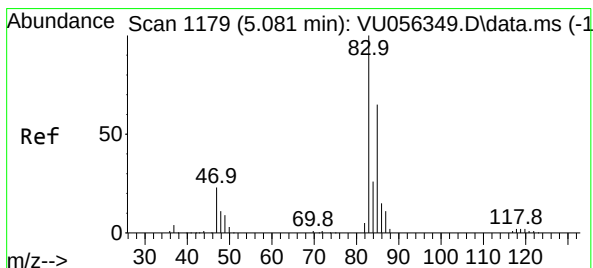
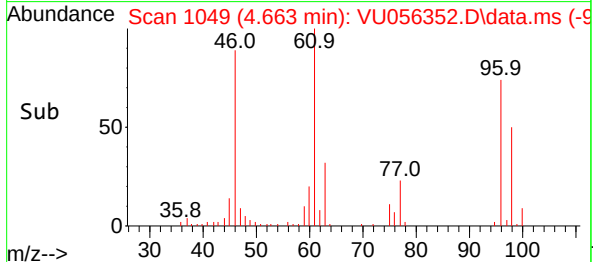
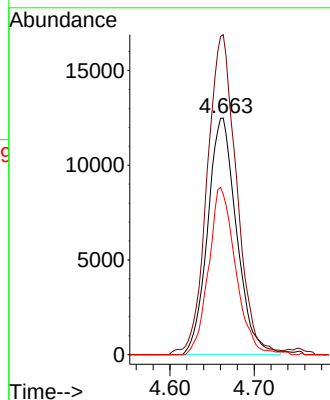
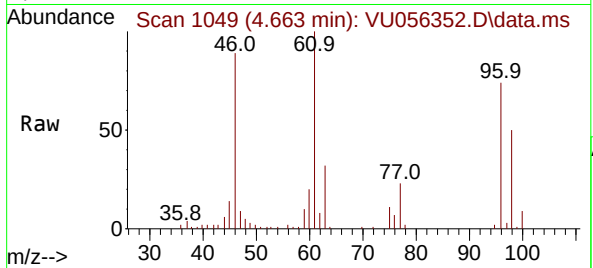
Tgt Ion: 96 Resp: 29737

Ion Ratio Lower Upper

96 100

61 135.2 93.2 173.2

98 67.7 44.8 83.2



#25

Chloroform

Concen: 0.420 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VU056352.D

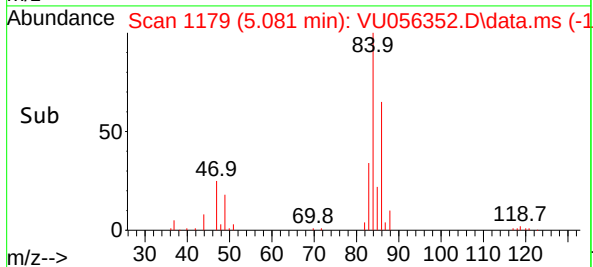
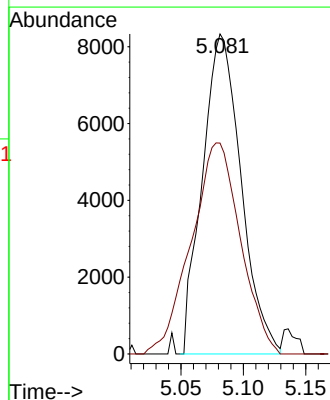
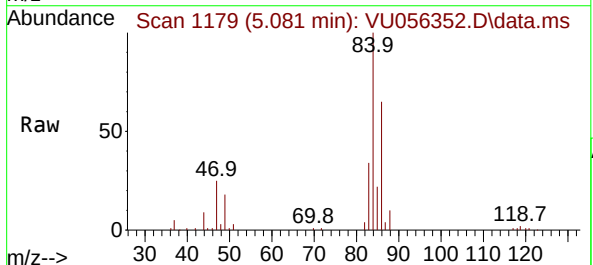
Acq: 15 Nov 2023 13:44

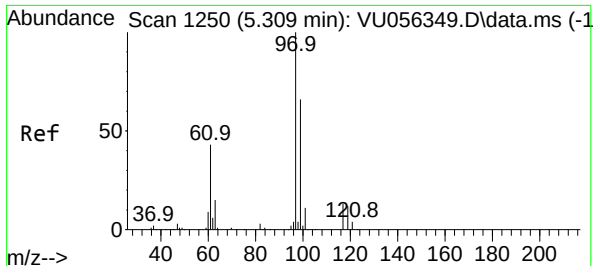
Tgt Ion: 83 Resp: 17976

Ion Ratio Lower Upper

83 100

85 65.9 47.0 87.2





#29

1,1,1-Trichloroethane

Concen: 0.766 ug/L

RT: 5.313 min Scan# 1

Delta R.T. 0.004 min

Lab File: VU056352.D

Acq: 15 Nov 2023 13:44

Instrument :

MSVOA_U

ClientSampleId :

GCDJ7

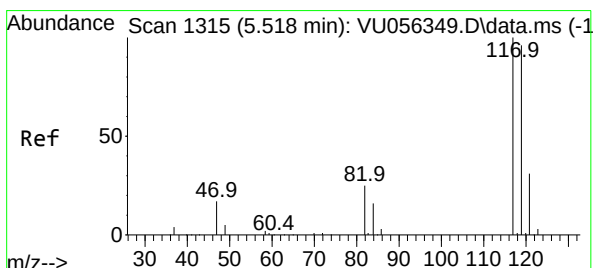
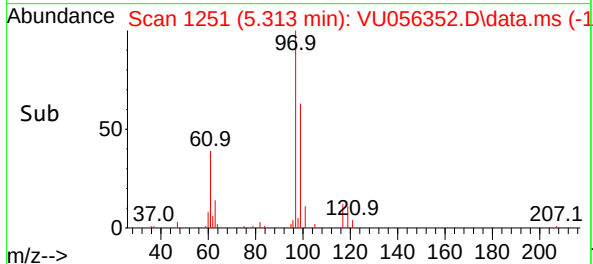
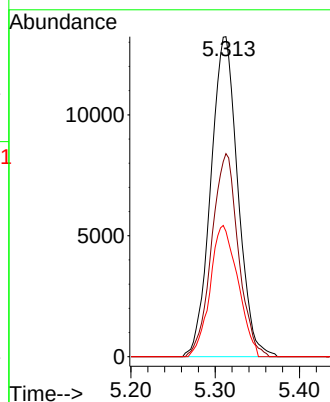
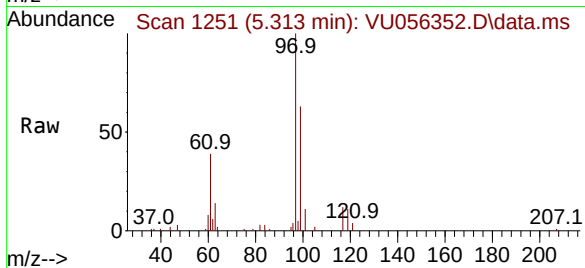
Tgt Ion: 97 Resp: 29515

Ion Ratio Lower Upper

97 100

99 62.6 51.6 77.4

61 42.0 34.3 51.5



#31

Carbon tetrachloride

Concen: 0.324 ug/L

RT: 5.525 min Scan# 1317

Delta R.T. 0.007 min

Lab File: VU056352.D

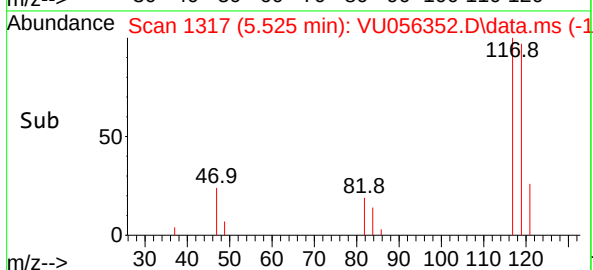
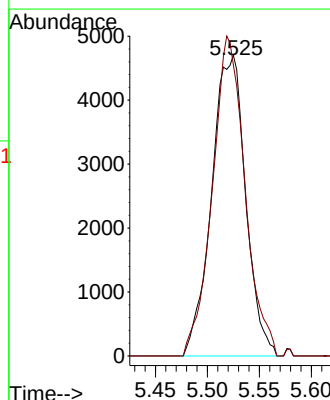
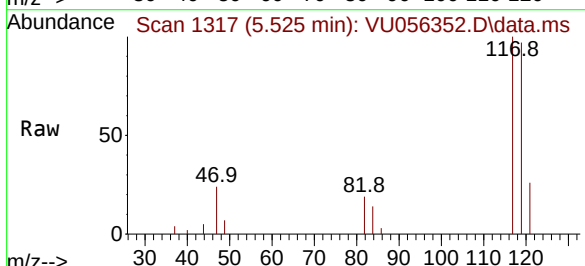
Acq: 15 Nov 2023 13:44

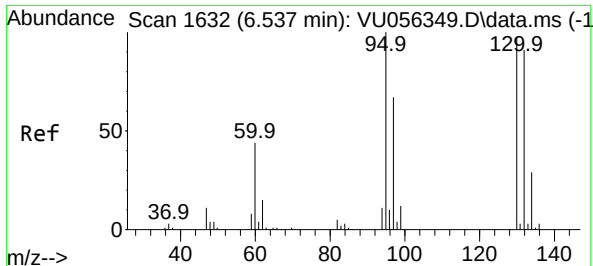
Tgt Ion: 117 Resp: 10715

Ion Ratio Lower Upper

117 100

119 101.9 78.1 117.1



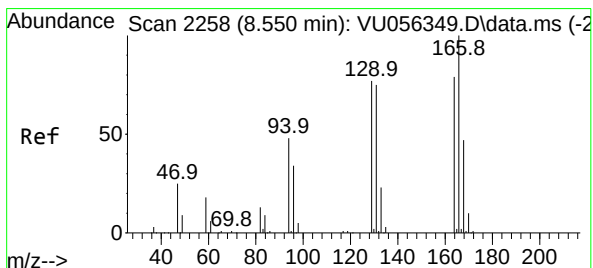
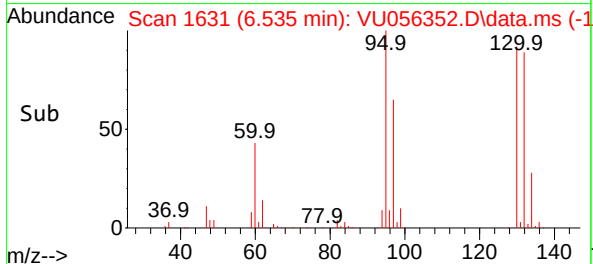
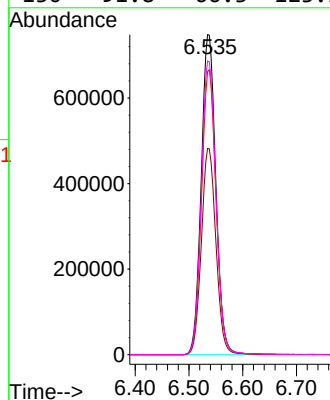
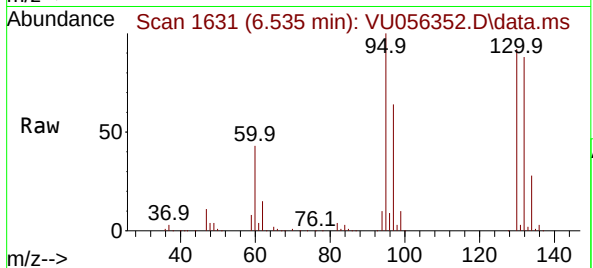


#34
Trichloroethene
Concen: 54.149 ug/L
RT: 6.535 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU056352.D
Acq: 15 Nov 2023 13:44

Instrument :
MSVOA_U
ClientSampleId :
GCDJ7

Tgt Ion: 95 Resp: 1412458

Ion	Ratio	Lower	Upper
95	100		
97	64.5	46.5	86.3
132	88.4	62.0	115.2
130	91.8	66.3	123.1



#47
Tetrachloroethene
Concen: 3.033 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VU056352.D
Acq: 15 Nov 2023 13:44

Tgt Ion: 164 Resp: 53349

Ion	Ratio	Lower	Upper
164	100		
129	102.4	71.0	131.9
131	98.0	70.3	130.7
166	125.3	89.8	166.8

