

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122724\
 Data File : VU062617.D
 Acq On : 27 Dec 2024 15:02
 Operator : MD/SY
 Sample : P5309-07
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 27 22:00:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR120924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 27 21:56:24 2024
 Response via : Initial Calibration

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

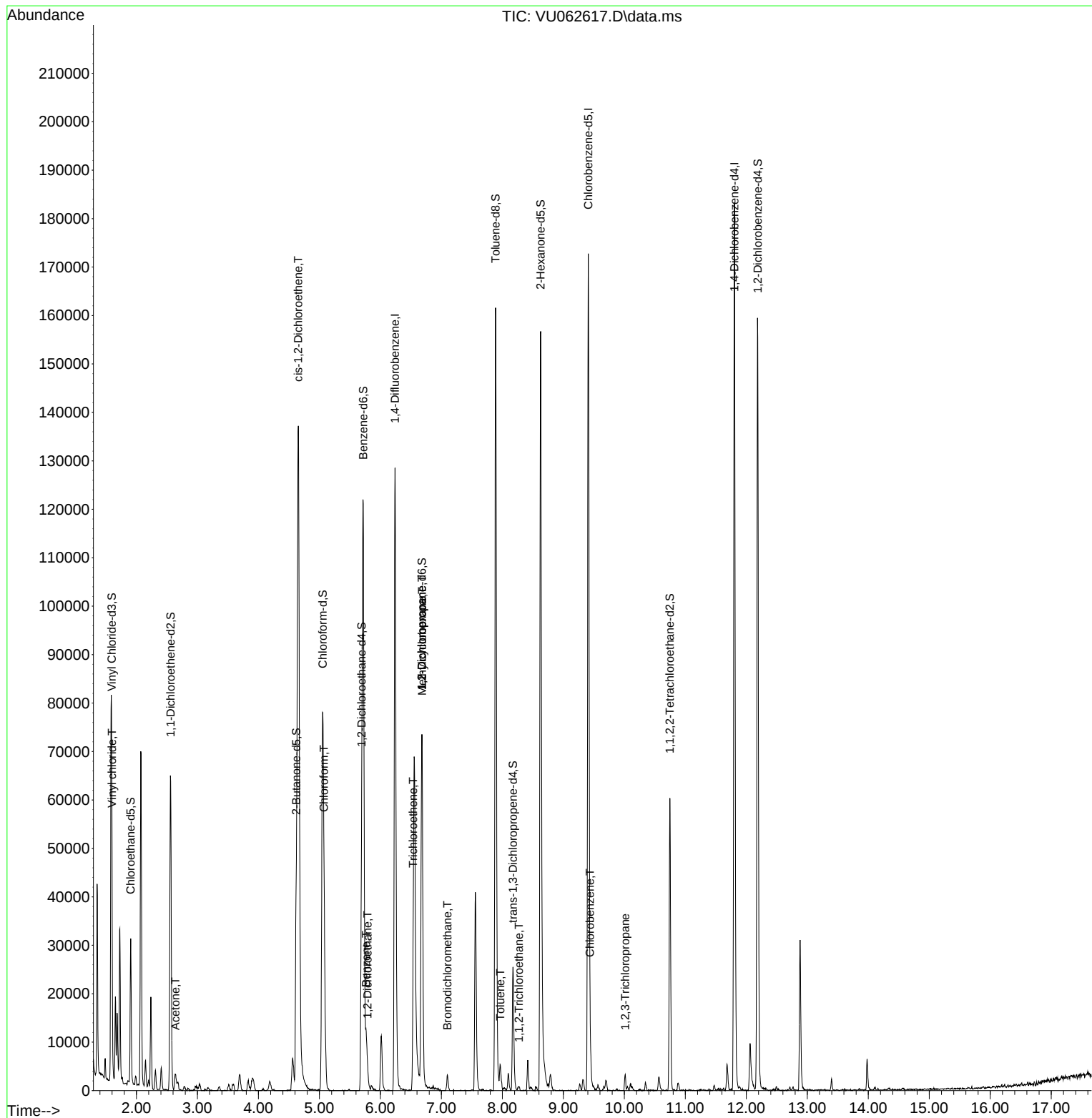
Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	106960	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	97464	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	50434	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	24796	3.437	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.800%
7) Chloroethane-d5	1.904	69	20190	3.934	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.600%
11) 1,1-Dichloroethene-d2	2.560	65	12193	3.553	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.000%
20) 2-Butanone-d5	4.621	46	62447	45.165	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.320%
24) Chloroform-d	5.052	84	64617	4.138	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.800%
26) 1,2-Dichloroethane-d4	5.692	65	36813	4.795	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.800%
32) Benzene-d6	5.718	84	114797	4.090	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.800%
36) 1,2-Dichloropropane-d6	6.679	67	32670	4.068	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.400%
41) Toluene-d8	7.888	98	111271	4.196	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.000%
43) trans-1,3-Dichloroprop...	8.174	79	16168	4.573	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.400%
46) 2-Hexanone-d5	8.624	63	57022	53.463	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.920%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	27062	4.330	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	43675	4.699	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.599	62	3550	0.434	ug/L	86
13) Acetone	2.637	43	5509	5.852	ug/L	99
22) cis-1,2-Dichloroethene	4.653	96	70557	8.483	ug/L	95
25) Chloroform	5.075	83	26650	1.740	ug/L	100
27) 1,2-Dichloroethane	5.788	62	1569	0.161	ug/L #	75
33) Benzene	5.766	78	10820	0.358	ug/L	100
34) Trichloroethene	6.538	95	3766	0.440	ug/L	96
35) Methylcyclohexane	6.682	83	9131	0.720	ug/L #	21
37) 1,2-Dichloropropane	6.679	63	4402	0.598	ug/L #	87
38) Bromodichloromethane	7.097	83	2570	0.248	ug/L #	89
42) Toluene	7.965	91	4324	0.133	ug/L	100
45) 1,1,2-Trichloroethane	8.271	97	933	0.168	ug/L #	14
51) Chlorobenzene	9.438	112	2730	0.131	ug/L #	81
61) 1,2,3-Trichloropropane	10.013	75	1109	0.238	ug/L #	47

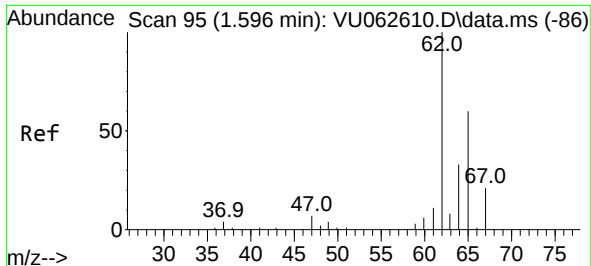
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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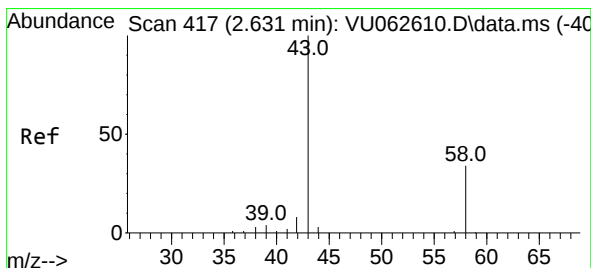
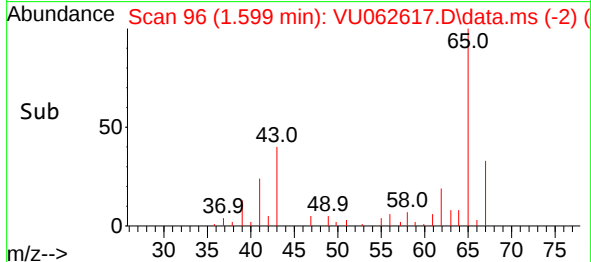
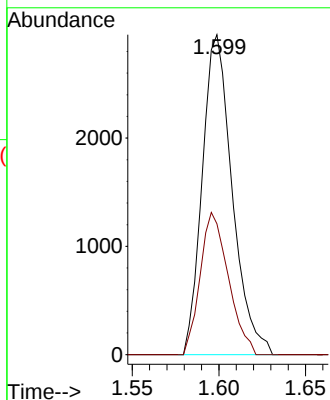
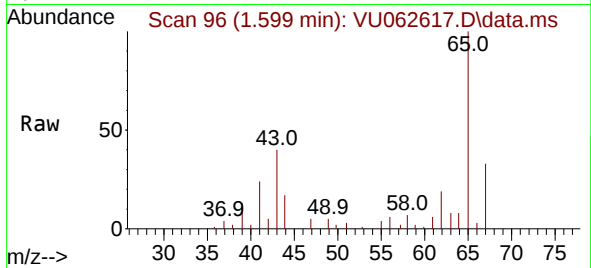




#5
 Vinyl chloride
 Concen: 0.434 ug/L
 RT: 1.599 min Scan# 9
 Delta R.T. 0.003 min
 Lab File: VU062617.D
 Acq: 27 Dec 2024 15:02

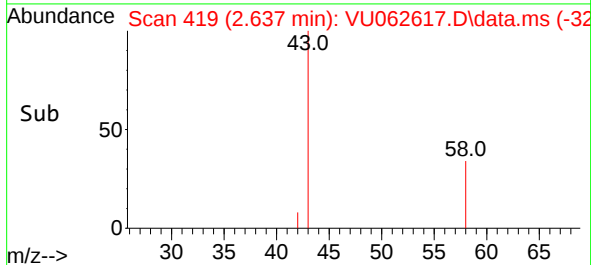
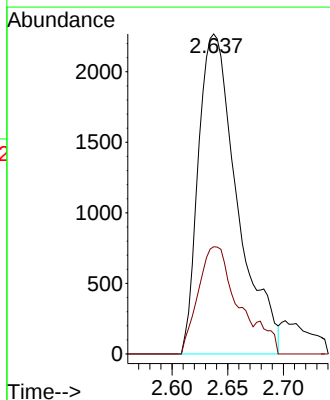
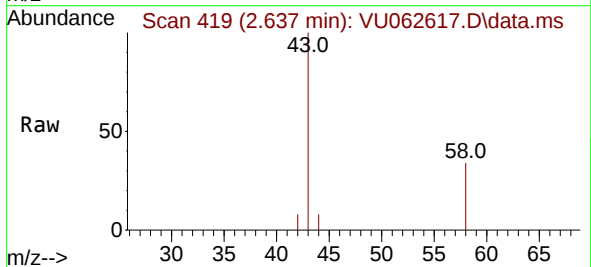
Instrument :
 MSVOA_U
 ClientSampleId :

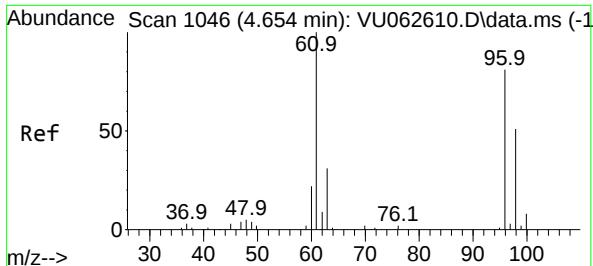
Tgt Ion: 62 Resp: 3550
 Ion Ratio Lower Upper
 62 100
 64 40.9 23.1 42.9



#13
 Acetone
 Concen: 5.852 ug/L
 RT: 2.637 min Scan# 419
 Delta R.T. 0.006 min
 Lab File: VU062617.D
 Acq: 27 Dec 2024 15:02

Tgt Ion: 43 Resp: 5509
 Ion Ratio Lower Upper
 43 100
 58 31.5 0.0 64.0

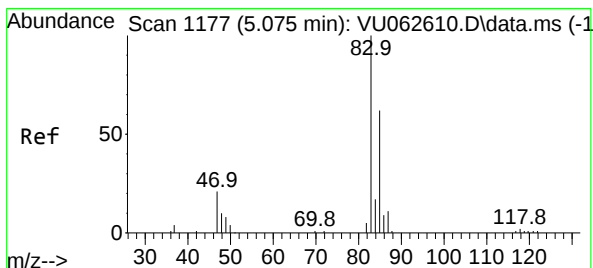
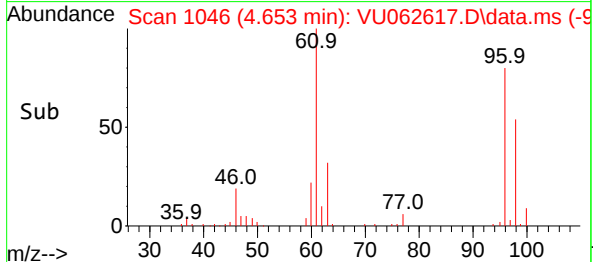
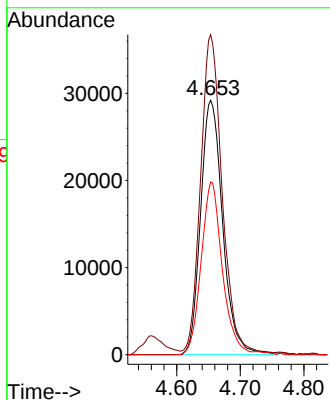
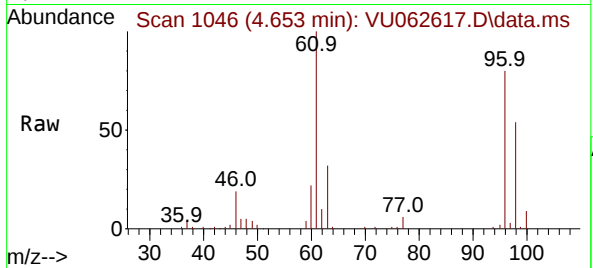




#22
 cis-1,2-Dichloroethene
 Concen: 8.483 ug/L
 RT: 4.653 min Scan# 1046
 Delta R.T. -0.000 min
 Lab File: VU062617.D
 Acq: 27 Dec 2024 15:02

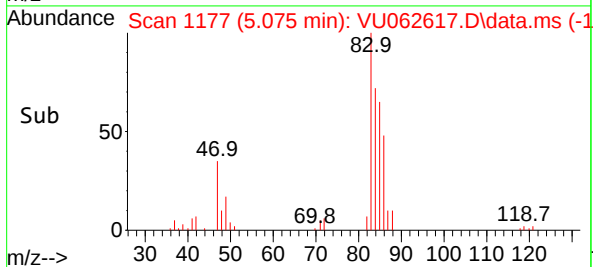
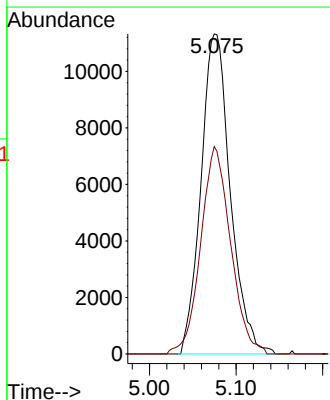
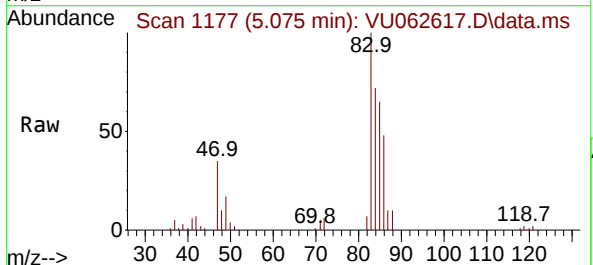
Instrument :
 MSVOA_U
 ClientSampleId :

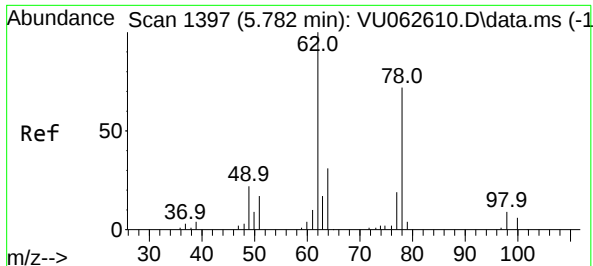
Tgt Ion: 96 Resp: 70557
 Ion Ratio Lower Upper
 96 100
 61 125.8 92.0 170.8
 98 67.9 44.5 82.7



#25
 Chloroform
 Concen: 1.740 ug/L
 RT: 5.075 min Scan# 1177
 Delta R.T. -0.000 min
 Lab File: VU062617.D
 Acq: 27 Dec 2024 15:02

Tgt Ion: 83 Resp: 26650
 Ion Ratio Lower Upper
 83 100
 85 64.8 45.4 84.2

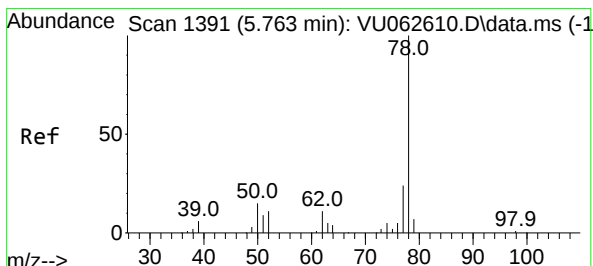
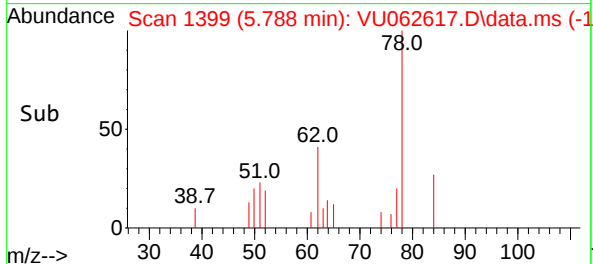
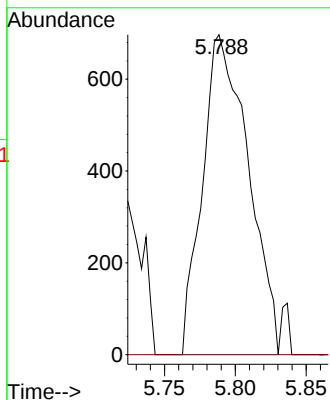
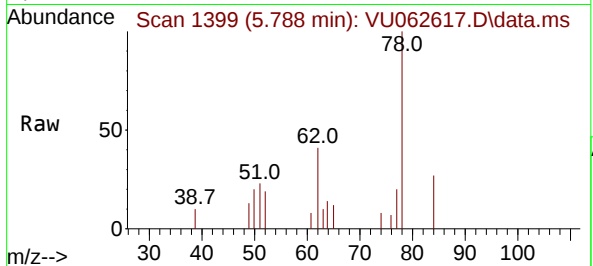




#27
1,2-Dichloroethane
Concen: 0.161 ug/L
RT: 5.788 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU062617.D
Acq: 27 Dec 2024 15:02

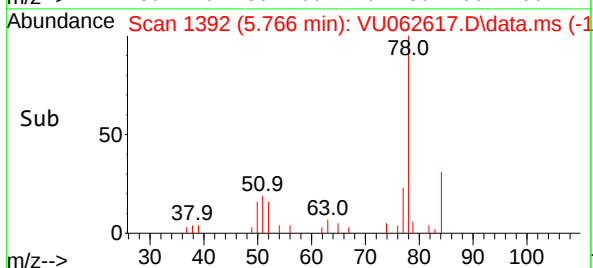
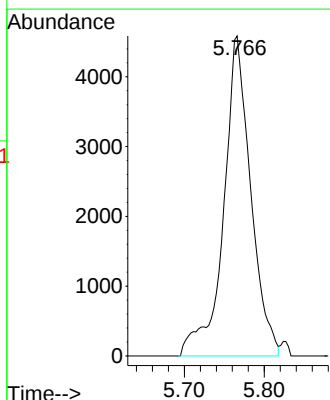
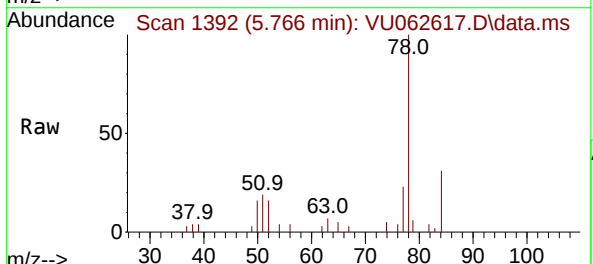
Instrument :
MSVOA_U
ClientSampleId :

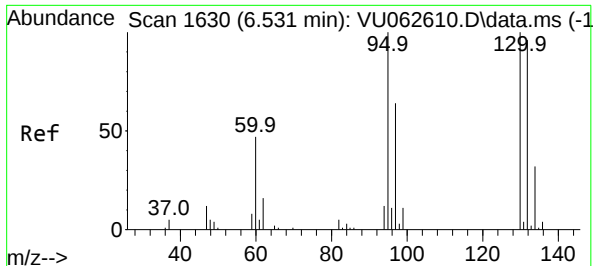
Tgt Ion: 62 Resp: 1569
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.0#



#33
Benzene
Concen: 0.358 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.003 min
Lab File: VU062617.D
Acq: 27 Dec 2024 15:02

Tgt Ion: 78 Resp: 10820





#34

Trichloroethene

Concen: 0.440 ug/L

RT: 6.538 min Scan# 1632

Delta R.T. 0.006 min

Lab File: VU062617.D

Acq: 27 Dec 2024 15:02

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 3766

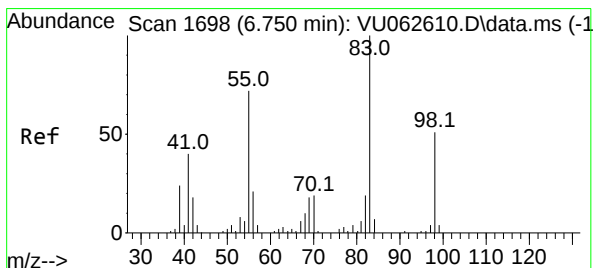
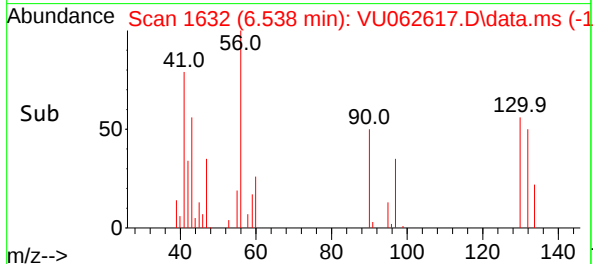
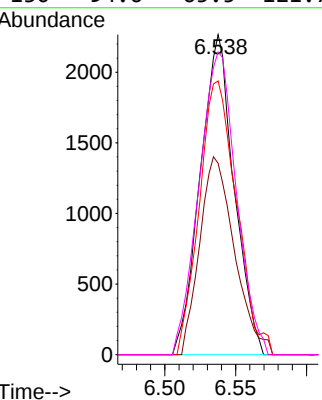
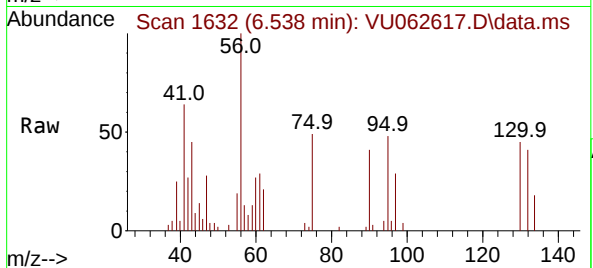
Ion Ratio Lower Upper

95 100

97 59.8 45.9 85.3

132 85.6 63.8 118.4

130 94.6 65.5 121.7



#35

Methylcyclohexane

Concen: 0.720 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.068 min

Lab File: VU062617.D

Acq: 27 Dec 2024 15:02

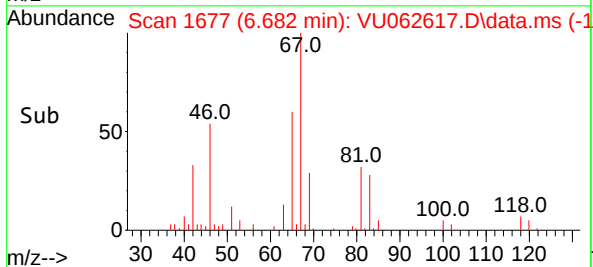
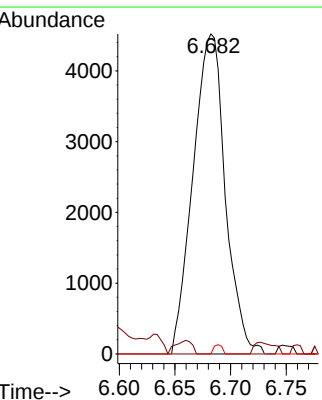
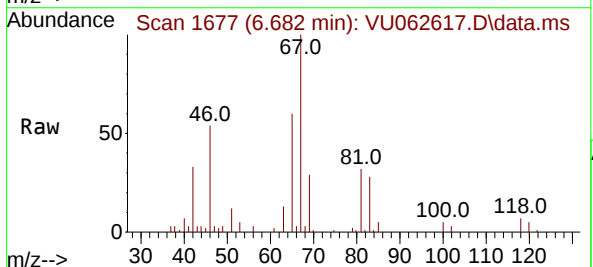
Tgt Ion: 83 Resp: 9131

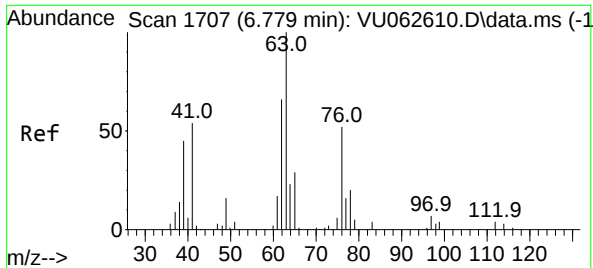
Ion Ratio Lower Upper

83 100

55 2.2 60.7 91.1#

98 0.7 34.8 52.2#





#37

1,2-Dichloropropane

Concen: 0.598 ug/L

RT: 6.679 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU062617.D

Acq: 27 Dec 2024 15:02

Instrument :

MSVOA_U

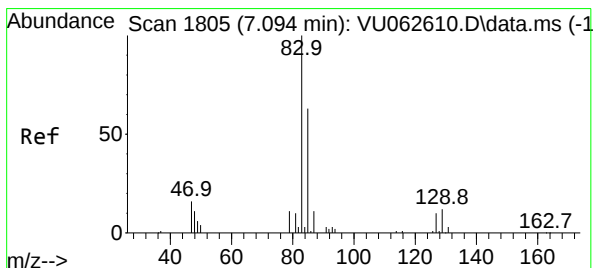
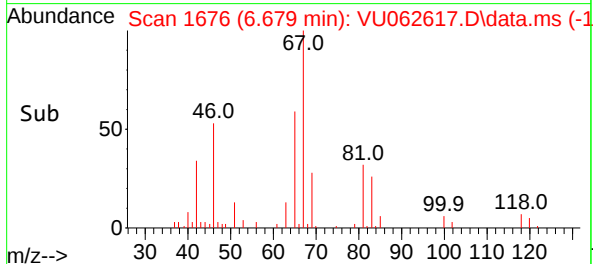
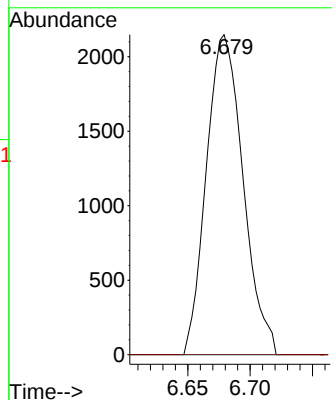
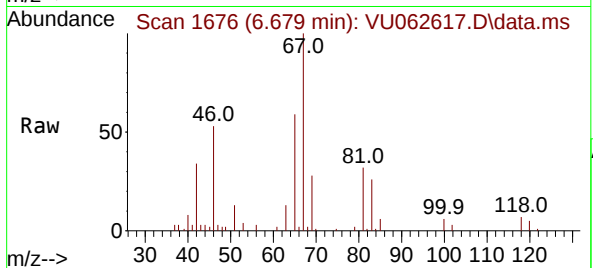
ClientSampleId :

Tgt Ion: 63 Resp: 4402

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.0#



#38

Bromodichloromethane

Concen: 0.248 ug/L

RT: 7.097 min Scan# 1806

Delta R.T. 0.003 min

Lab File: VU062617.D

Acq: 27 Dec 2024 15:02

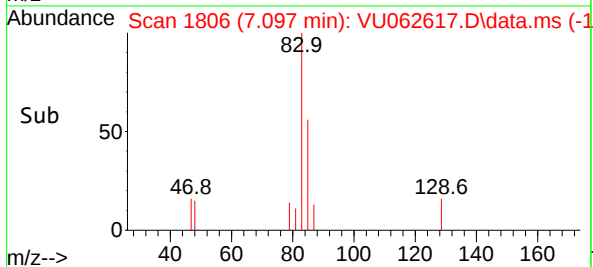
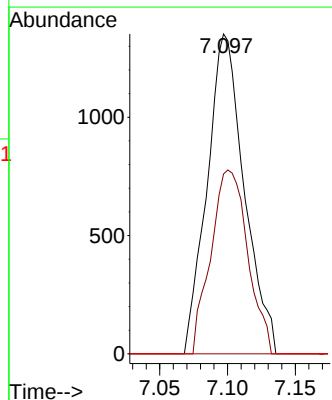
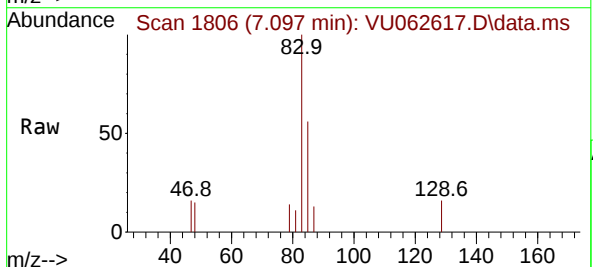
Tgt Ion: 83 Resp: 2570

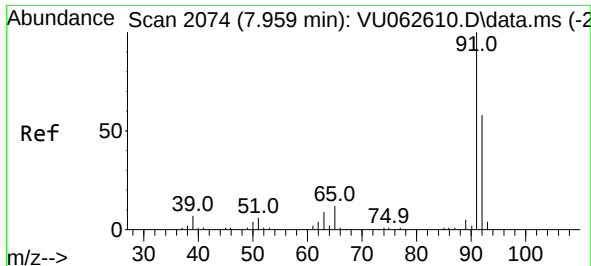
Ion Ratio Lower Upper

83 100

85 56.2 44.1 81.9

127 0.0 6.9 10.3#





#42

Toluene

Concen: 0.133 ug/L

RT: 7.965 min Scan# 2074

Delta R.T. 0.006 min

Lab File: VU062617.D

Acq: 27 Dec 2024 15:02

Instrument :

MSVOA_U

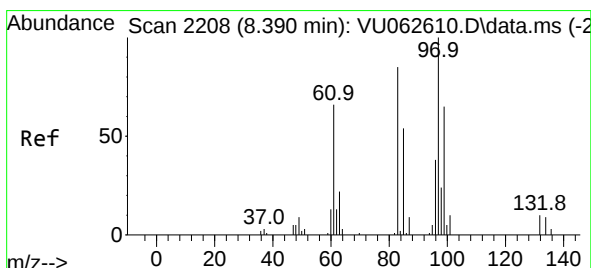
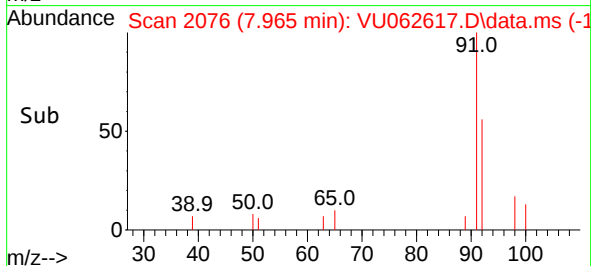
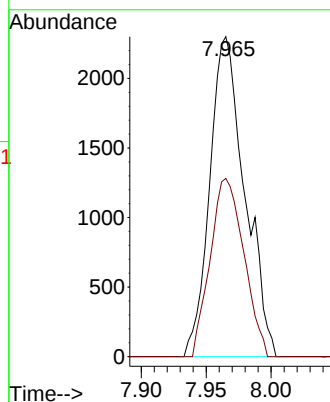
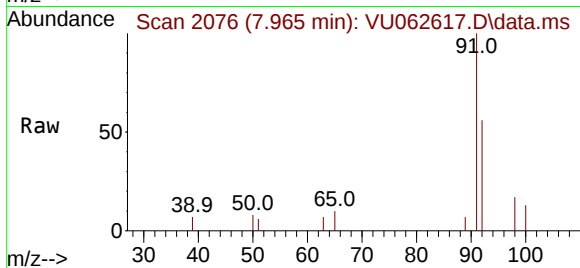
ClientSampleId :

Tgt Ion: 91 Resp: 4324

Ion Ratio Lower Upper

91 100

92 55.7 39.0 72.4



#45

1,1,2-Trichloroethane

Concen: 0.168 ug/L

RT: 8.271 min Scan# 2171

Delta R.T. -0.119 min

Lab File: VU062617.D

Acq: 27 Dec 2024 15:02

Tgt Ion: 97 Resp: 933

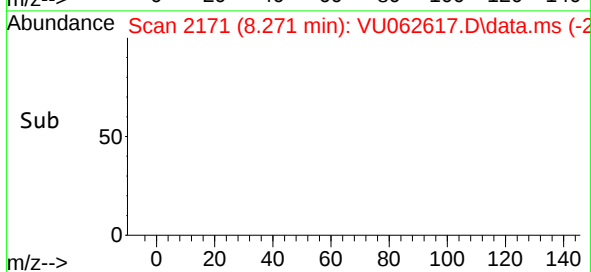
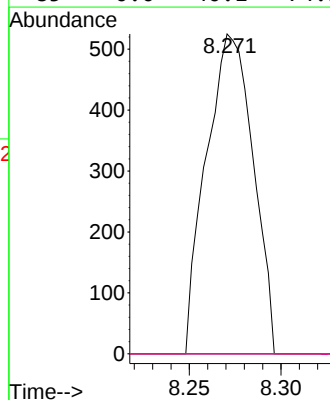
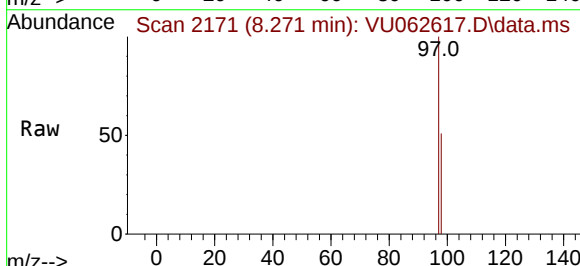
Ion Ratio Lower Upper

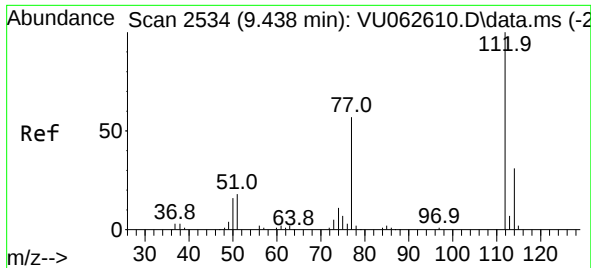
97 100

99 0.0 43.0 79.8#

83 0.0 61.7 114.5#

85 0.0 40.1 74.5#

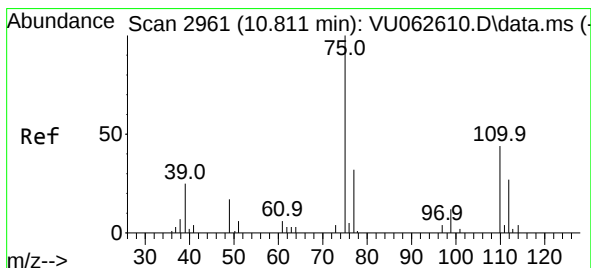
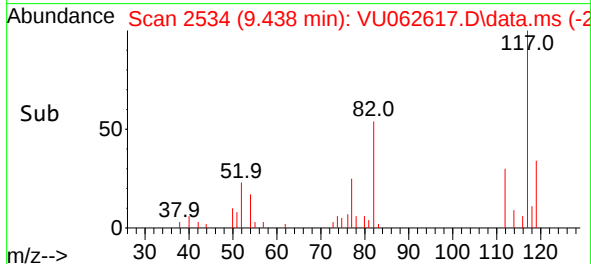
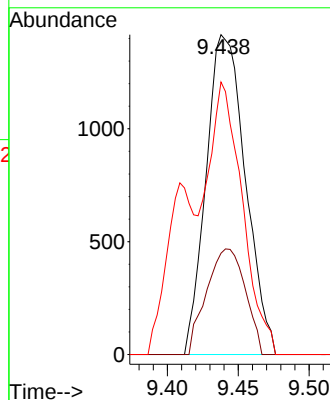
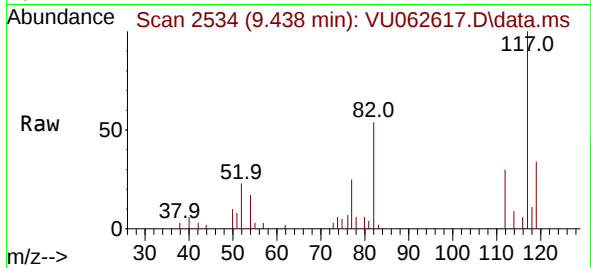




#51
Chlorobenzene
Concen: 0.131 ug/L
RT: 9.438 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU062617.D
Acq: 27 Dec 2024 15:02

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:	112	Resp:	2730
Ion	Ratio	Lower	Upper
112	100		
114	31.7	23.0	42.6
77	85.2	50.5	75.7#



#61
1,2,3-Trichloropropane
Concen: 0.238 ug/L
RT: 10.013 min Scan# 2713
Delta R.T. -0.798 min
Lab File: VU062617.D
Acq: 27 Dec 2024 15:02

Tgt Ion:	75	Resp:	1109
Ion	Ratio	Lower	Upper
75	100		
110	0.0	28.9	43.3#
77	7.8	26.5	39.7#

