

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020523\
 Data File : VU052959.D
 Acq On : 05 Feb 2023 17:22
 Operator : JC/MD
 Sample : 01440-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COM09

Quant Time: Feb 05 21:59:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sun Feb 05 21:58:05 2023
 Response via : Initial Calibration

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

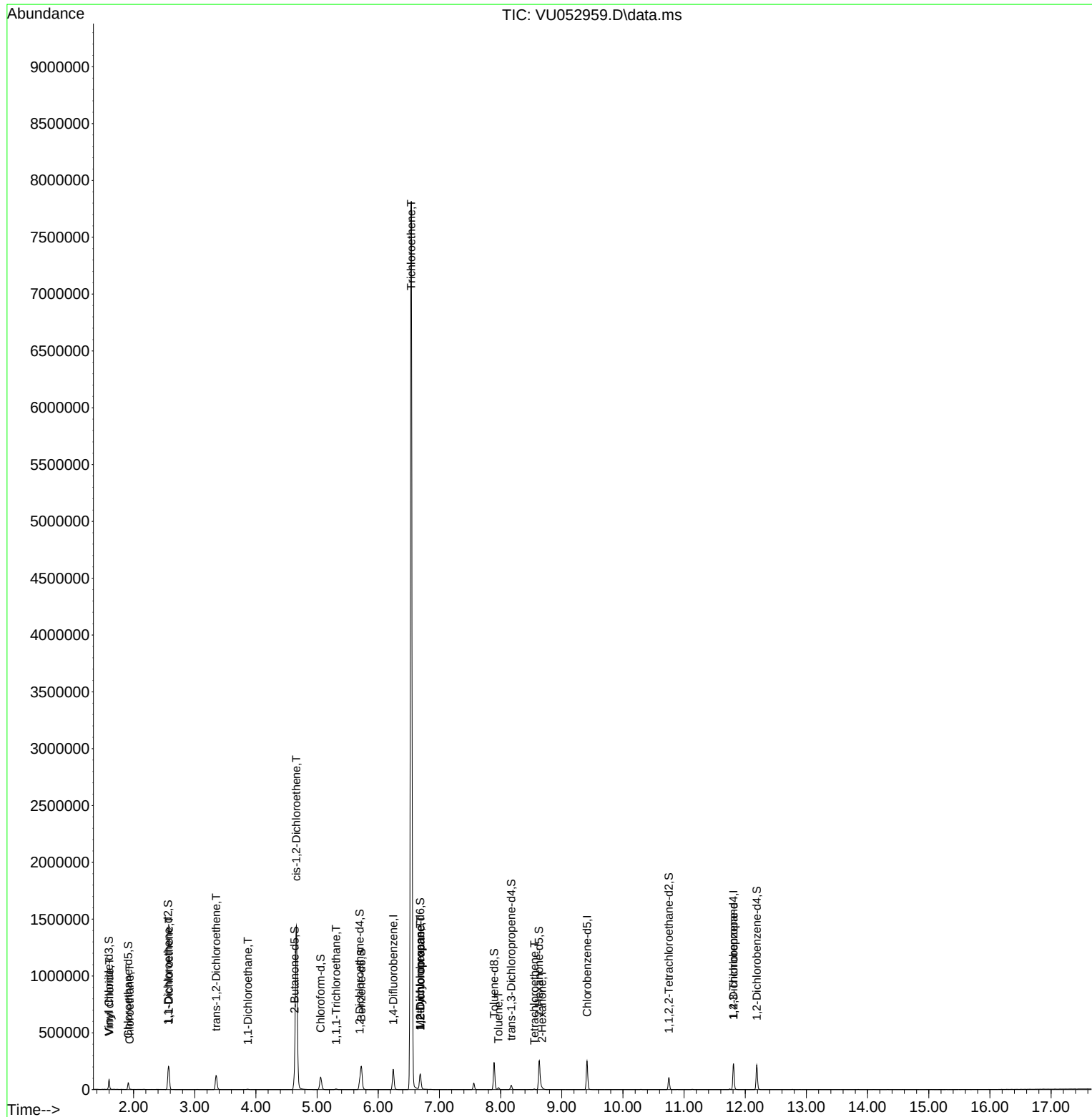
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	149646	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	147005	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	64765	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	45105	3.431	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.600%
7) Chloroethane-d5	1.912	69	45572	4.255	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.000%
11) 1,1-Dichloroethene-d2	2.565	65	22594	3.902	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.000%
20) 2-Butanone-d5	4.633	46	125681	35.753	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	71.500%
24) Chloroform-d	5.057	84	106498	4.343	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.800%
26) 1,2-Dichloroethane-d4	5.697	65	53902	4.280	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.600%
32) Benzene-d6	5.723	84	203904	4.279	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.600%
36) 1,2-Dichloropropane-d6	6.687	67	66005	4.157	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.200%
41) Toluene-d8	7.893	98	166775	3.970	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.400%
43) trans-1,3-Dichloroprop...	8.176	79	20745	3.513	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.200%
46) 2-Hexanone-d5	8.629	63	85526	34.869	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	69.740%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	53447	4.396	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.000%
66) 1,2-Dichlorobenzene-d4	12.188	152	61218	5.192	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.800%
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	21340	1.142	ug/L	92
8) Chloroethane	1.935	64	2691	0.237	ug/L	98
12) 1,1-Dichloroethene	2.578	96	45056	3.473	ug/L	88
18) trans-1,2-Dichloroethene	3.350	96	57298	4.330	ug/L	83
19) 1,1-Dichloroethane	3.867	63	4303	0.157	ug/L	99
22) cis-1,2-Dichloroethene	4.661	96	778043	54.755	ug/L	90
29) 1,1,1-Trichloroethane	5.311	97	4390	0.190	ug/L	94
34) Trichloroethene	6.539	95	2651633	192.656	ug/L	94
35) Methylcyclohexane	6.687	83	16203	0.713	ug/L #	15
37) 1,2-Dichloropropane	6.690	63	7242	0.464	ug/L #	89
42) Toluene	7.967	91	13671	0.236	ug/L	89
47) Tetrachloroethene	8.552	164	1564	0.154	ug/L #	67
48) 2-Hexanone	8.677	43	5546	0.848	ug/L #	91
61) 1,2,3-Trichloropropane	11.806	75	7697	1.023	ug/L #	69

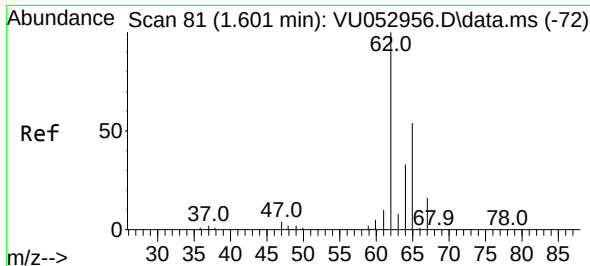
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

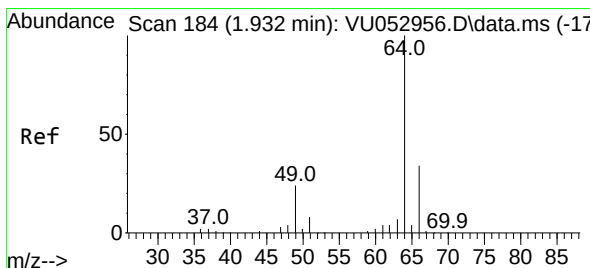
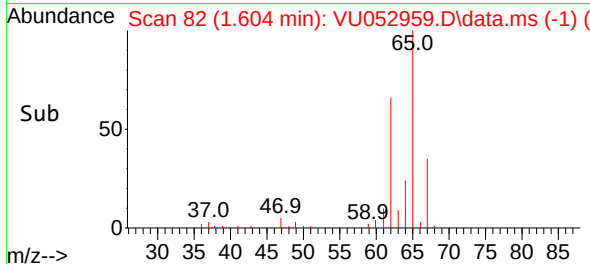
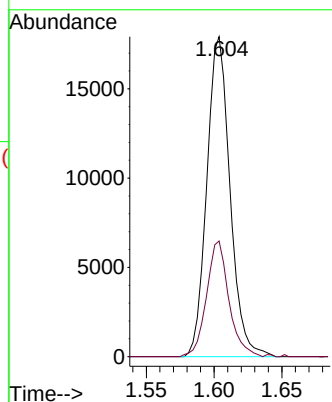
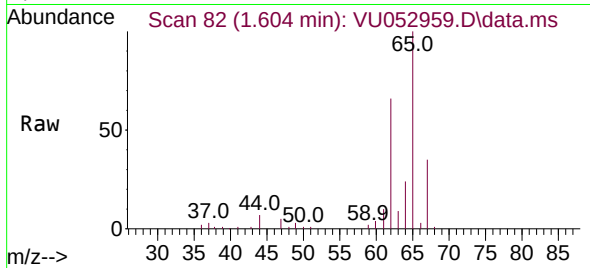




#5
 Vinyl chloride
 Concen: 1.142 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VU052959.D
 Acq: 05 Feb 2023 17:22

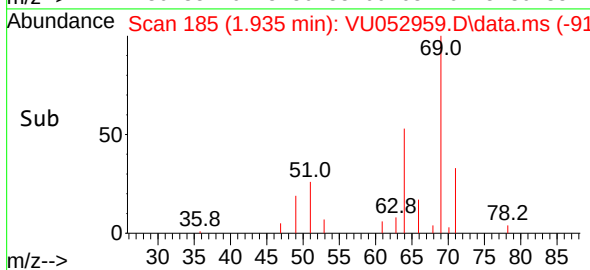
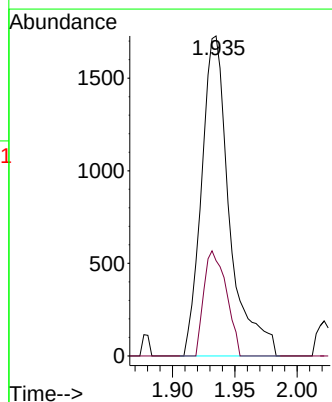
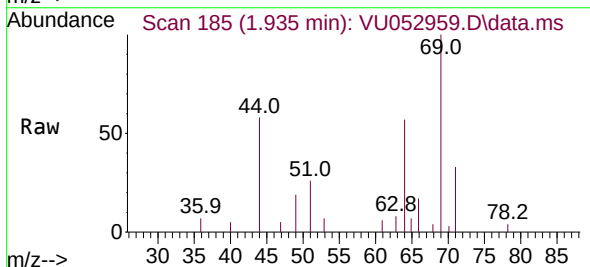
Instrument :
 MSVOA_U
 ClientSampleId :
 COM09

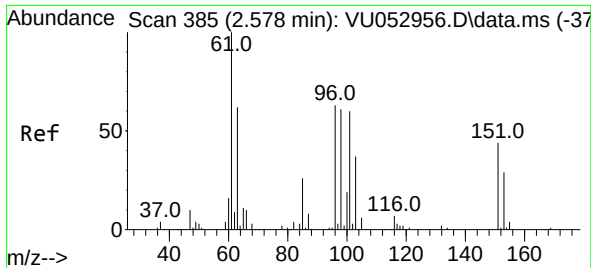
Tgt Ion: 62 Resp: 21340
 Ion Ratio Lower Upper
 62 100
 64 36.2 22.3 41.3



#8
 Chloroethane
 Concen: 0.237 ug/L
 RT: 1.935 min Scan# 185
 Delta R.T. 0.003 min
 Lab File: VU052959.D
 Acq: 05 Feb 2023 17:22

Tgt Ion: 64 Resp: 2691
 Ion Ratio Lower Upper
 64 100
 66 29.8 21.6 40.2

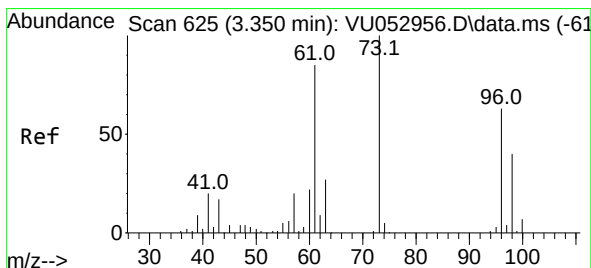
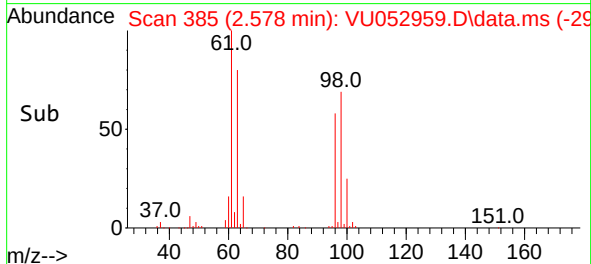
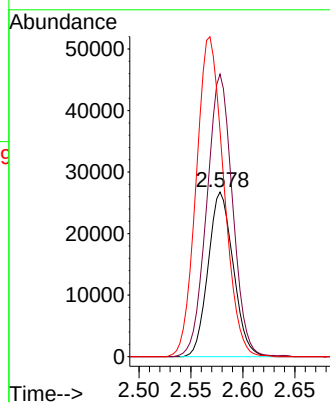
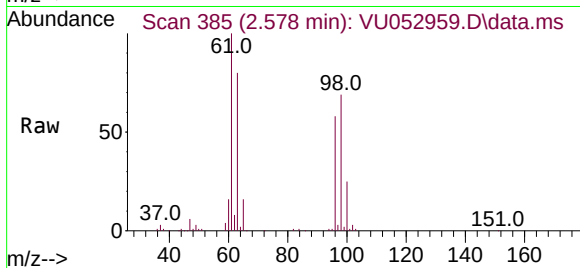




#12
1,1-Dichloroethene
Concen: 3.473 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU052959.D
Acq: 05 Feb 2023 17:22

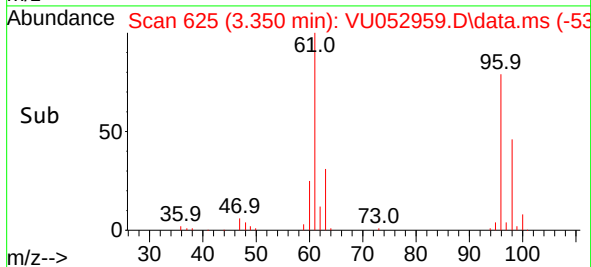
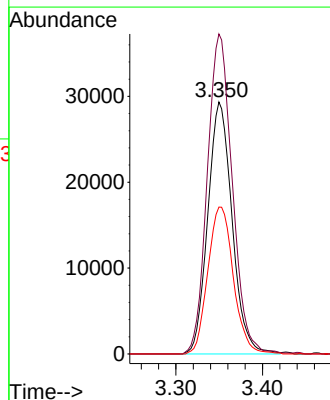
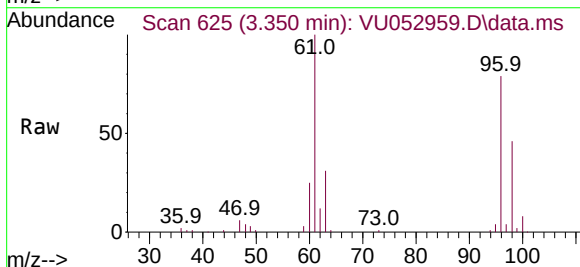
Instrument :
MSVOA_U
ClientSampleId :
COM09

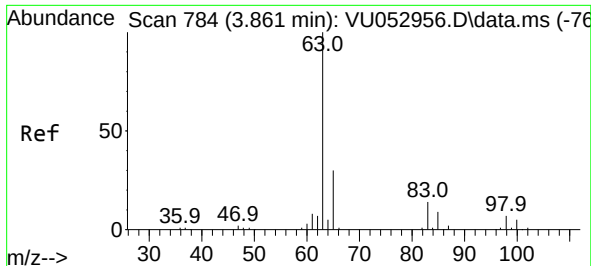
Tgt Ion: 96 Resp: 45056
Ion Ratio Lower Upper
96 100
61 171.5 129.6 240.8
63 137.2 83.7 155.5



#18
trans-1,2-Dichloroethene
Concen: 4.330 ug/L
RT: 3.350 min Scan# 625
Delta R.T. -0.000 min
Lab File: VU052959.D
Acq: 05 Feb 2023 17:22

Tgt Ion: 96 Resp: 57298
Ion Ratio Lower Upper
96 100
61 127.0 108.4 201.4
98 58.3 43.8 81.4





#19

1,1-Dichloroethane

Concen: 0.157 ug/L

RT: 3.867 min Scan# 784

Delta R.T. 0.006 min

Lab File: VU052959.D

Acq: 05 Feb 2023 17:22

Instrument :

MSVOA_U

ClientSampleId :

COM09

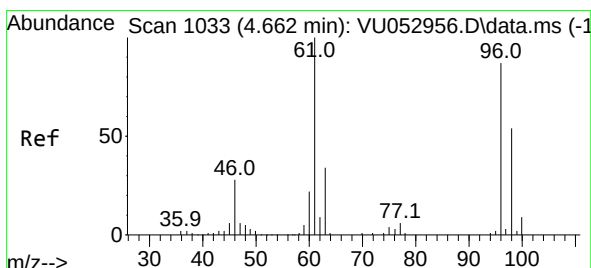
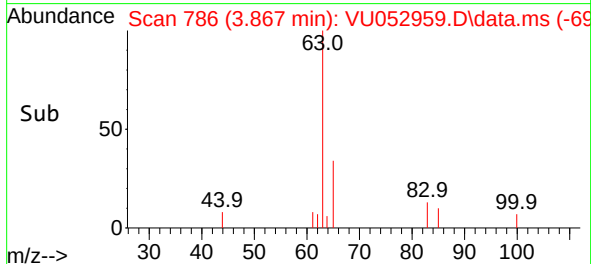
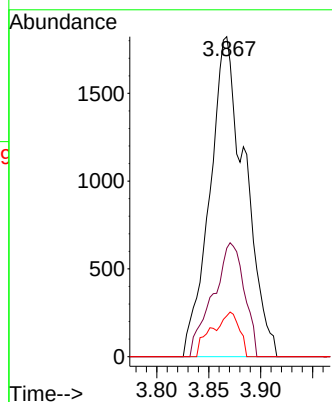
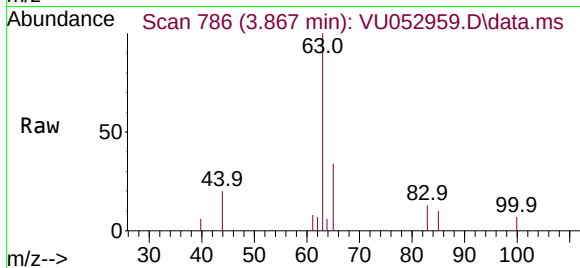
Tgt Ion: 63 Resp: 4303

Ion Ratio Lower Upper

63 100

65 31.9 22.0 41.0

83 12.0 8.9 16.5



#22

cis-1,2-Dichloroethene

Concen: 54.755 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VU052959.D

Acq: 05 Feb 2023 17:22

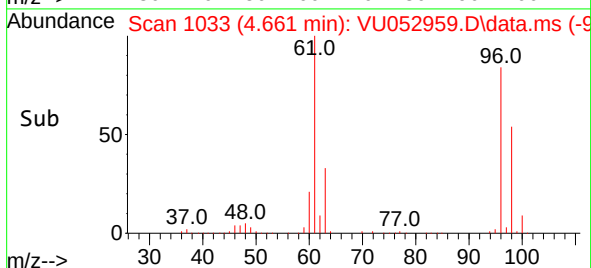
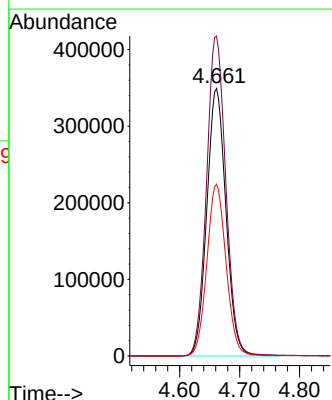
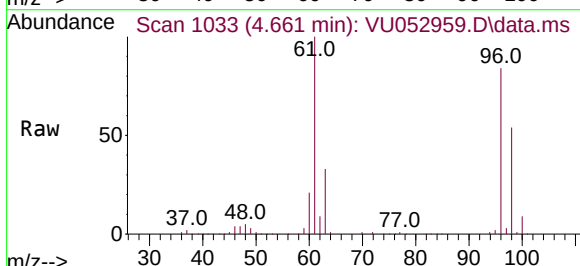
Tgt Ion: 96 Resp: 778043

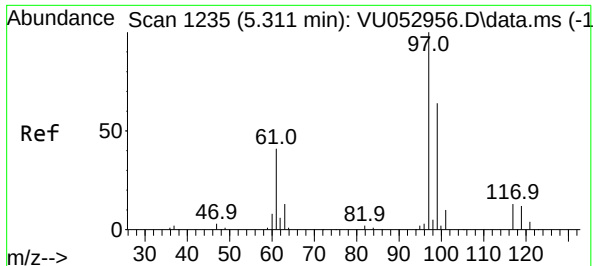
Ion Ratio Lower Upper

96 100

61 119.6 94.6 175.8

98 64.2 43.3 80.3





#29

1,1,1-Trichloroethane

Concen: 0.190 ug/L

RT: 5.311 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU052959.D

Acq: 05 Feb 2023 17:22

Instrument :

MSVOA_U

ClientSampleId :

COM09

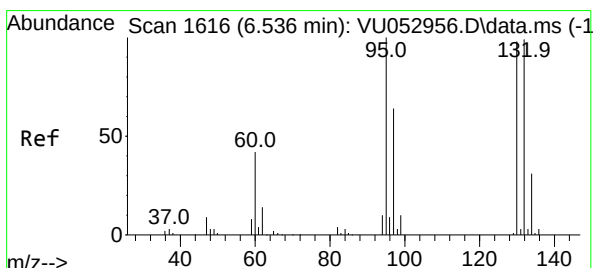
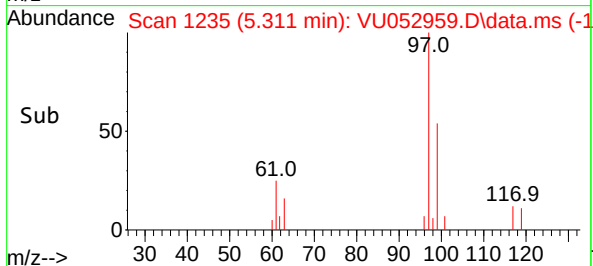
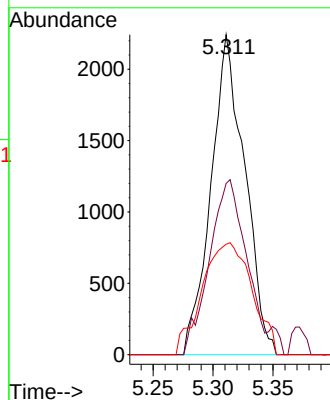
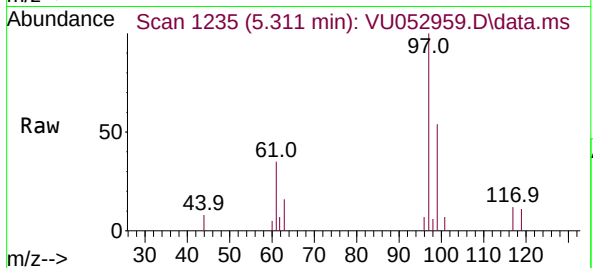
Tgt Ion: 97 Resp: 4390

Ion Ratio Lower Upper

97 100

99 60.3 52.4 78.6

61 51.5 38.5 57.7



#34

Trichloroethene

Concen: 192.656 ug/L

RT: 6.539 min Scan# 1617

Delta R.T. 0.003 min

Lab File: VU052959.D

Acq: 05 Feb 2023 17:22

Tgt Ion: 95 Resp: 2651633

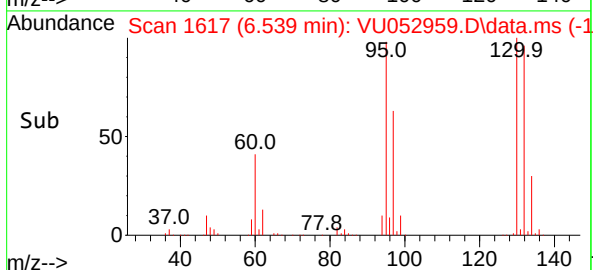
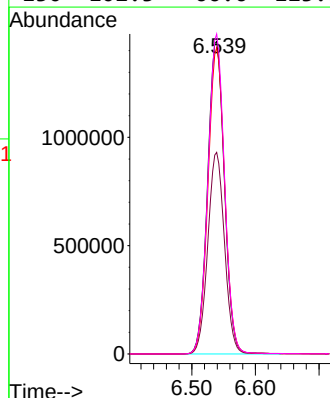
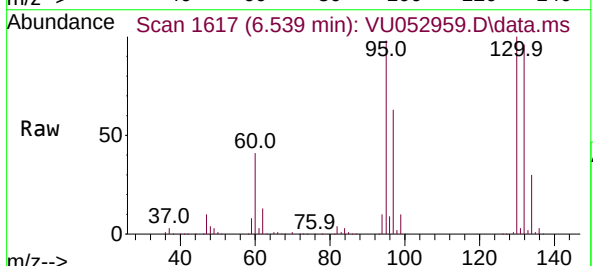
Ion Ratio Lower Upper

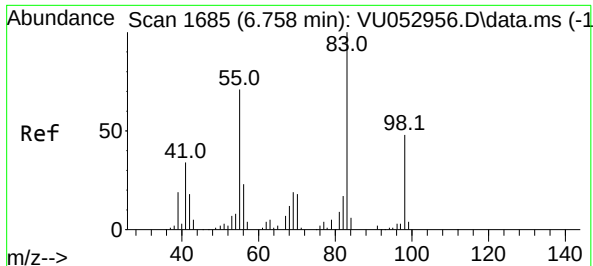
95 100

97 64.5 46.0 85.4

132 98.0 64.0 118.8

130 102.3 66.6 123.8





#35

Methylcyclohexane

Concen: 0.713 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.071 min

Lab File: VU052959.D

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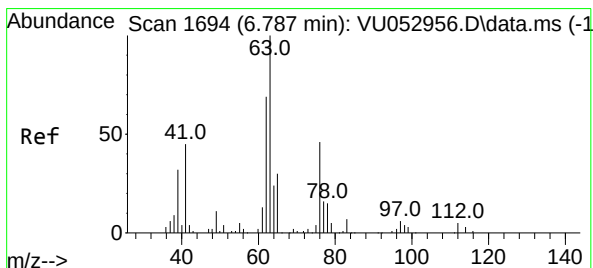
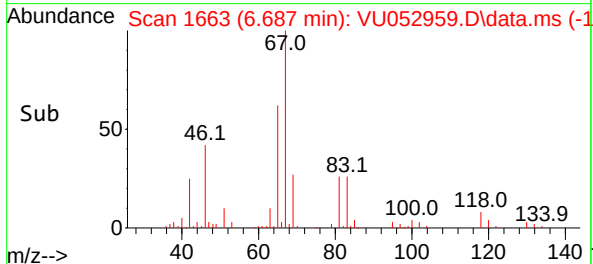
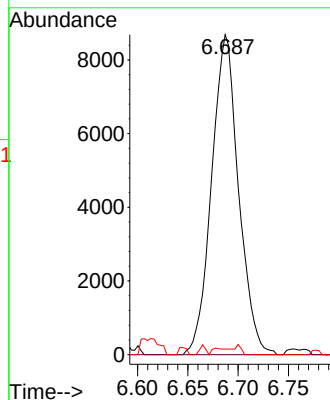
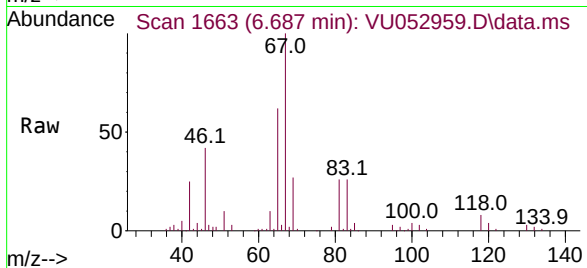
Tgt Ion: 83 Resp: 16203

Ion Ratio Lower Upper

83 100

55 0.0 67.6 101.4#

98 0.0 37.1 55.7#



#37

1,2-Dichloropropane

Concen: 0.464 ug/L

RT: 6.690 min Scan# 1664

Delta R.T. -0.097 min

Lab File: VU052959.D

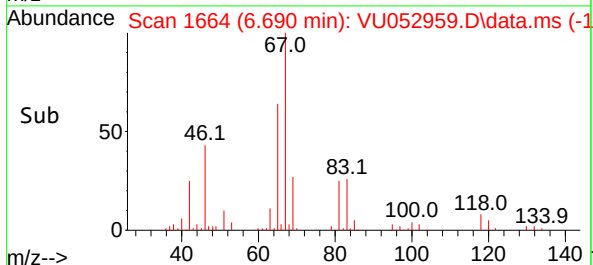
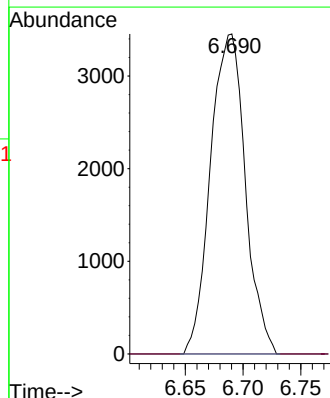
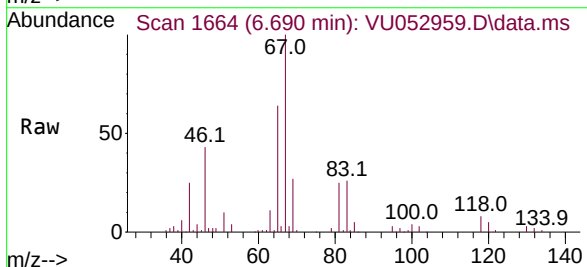
Acq: 05 Feb 2023 17:22

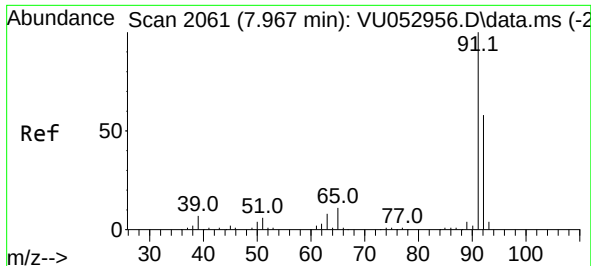
Tgt Ion: 63 Resp: 7242

Ion Ratio Lower Upper

63 100

112 0.0 2.9 4.3#





#42

Toluene

Concen: 0.236 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU052959.D

Acq: 05 Feb 2023 17:22

Instrument :

MSVOA_U

ClientSampleId :

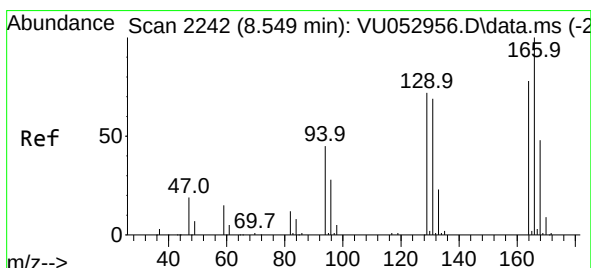
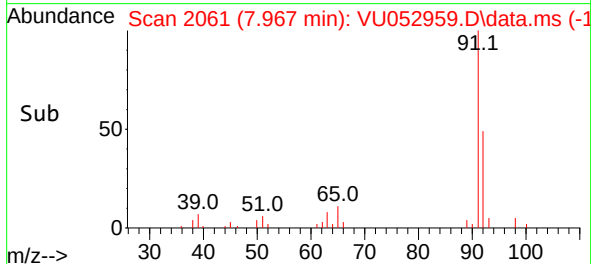
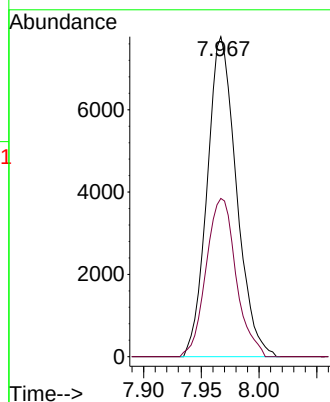
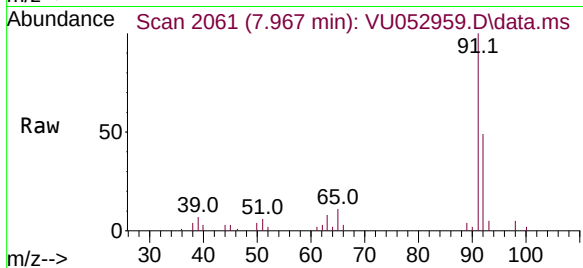
COM09

Tgt Ion: 91 Resp: 13671

Ion Ratio Lower Upper

91 100

92 49.4 40.5 75.1



#47

Tetrachloroethene

Concen: 0.154 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. 0.003 min

Lab File: VU052959.D

Acq: 05 Feb 2023 17:22

Tgt Ion: 164 Resp: 1564

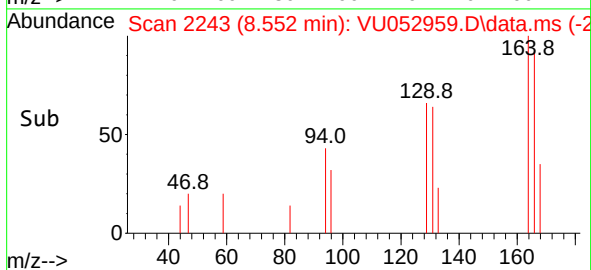
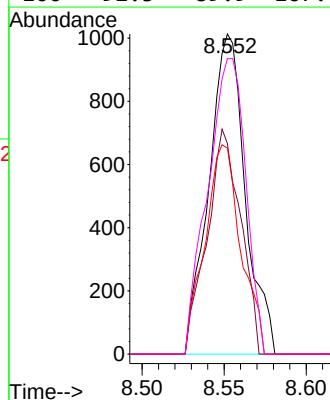
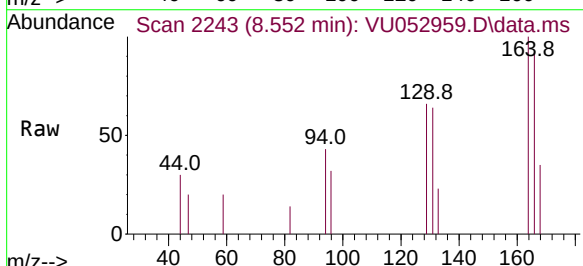
Ion Ratio Lower Upper

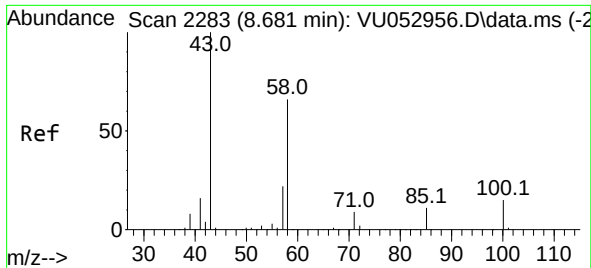
164 100

129 65.7 71.8 133.4#

131 64.4 66.6 123.6#

166 92.3 89.9 167.0

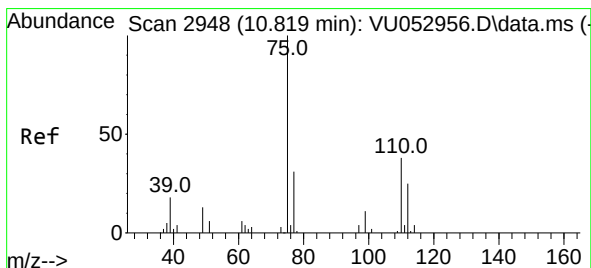
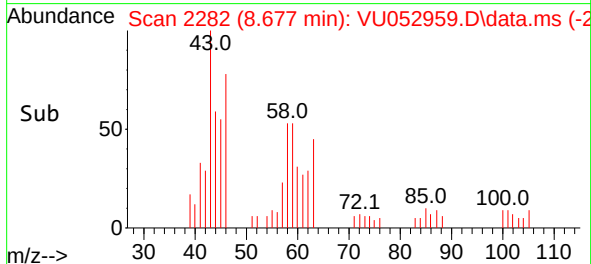
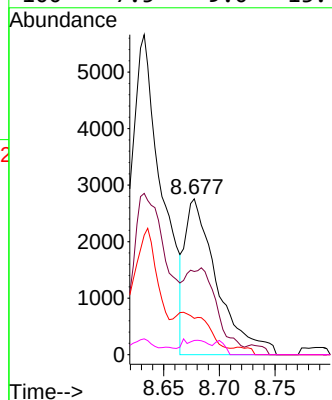
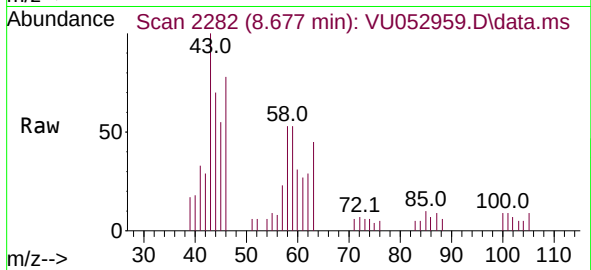




#48
2-Hexanone
Concen: 0.848 ug/L
RT: 8.677 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052959.D
Acq: 05 Feb 2023 17:22

Instrument :
MSVOA_U
ClientSampleId :
COM09

Tgt Ion: 43 Resp: 5546
Ion Ratio Lower Upper
43 100
58 51.8 45.1 67.7
57 27.4 15.1 22.7#
100 7.5 9.0 13.4#



#61
1,2,3-Trichloropropane
Concen: 1.023 ug/L
RT: 11.806 min Scan# 3255
Delta R.T. 0.987 min
Lab File: VU052959.D
Acq: 05 Feb 2023 17:22

Tgt Ion: 75 Resp: 7697
Ion Ratio Lower Upper
75 100
110 3.4 27.2 40.8#
77 27.5 24.0 36.0

