

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020523\
 Data File : VU052960.D
 Acq On : 05 Feb 2023 17:47
 Operator : JC/MD
 Sample : 01444-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COM10

Quant Time: Feb 05 21:59:37 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)

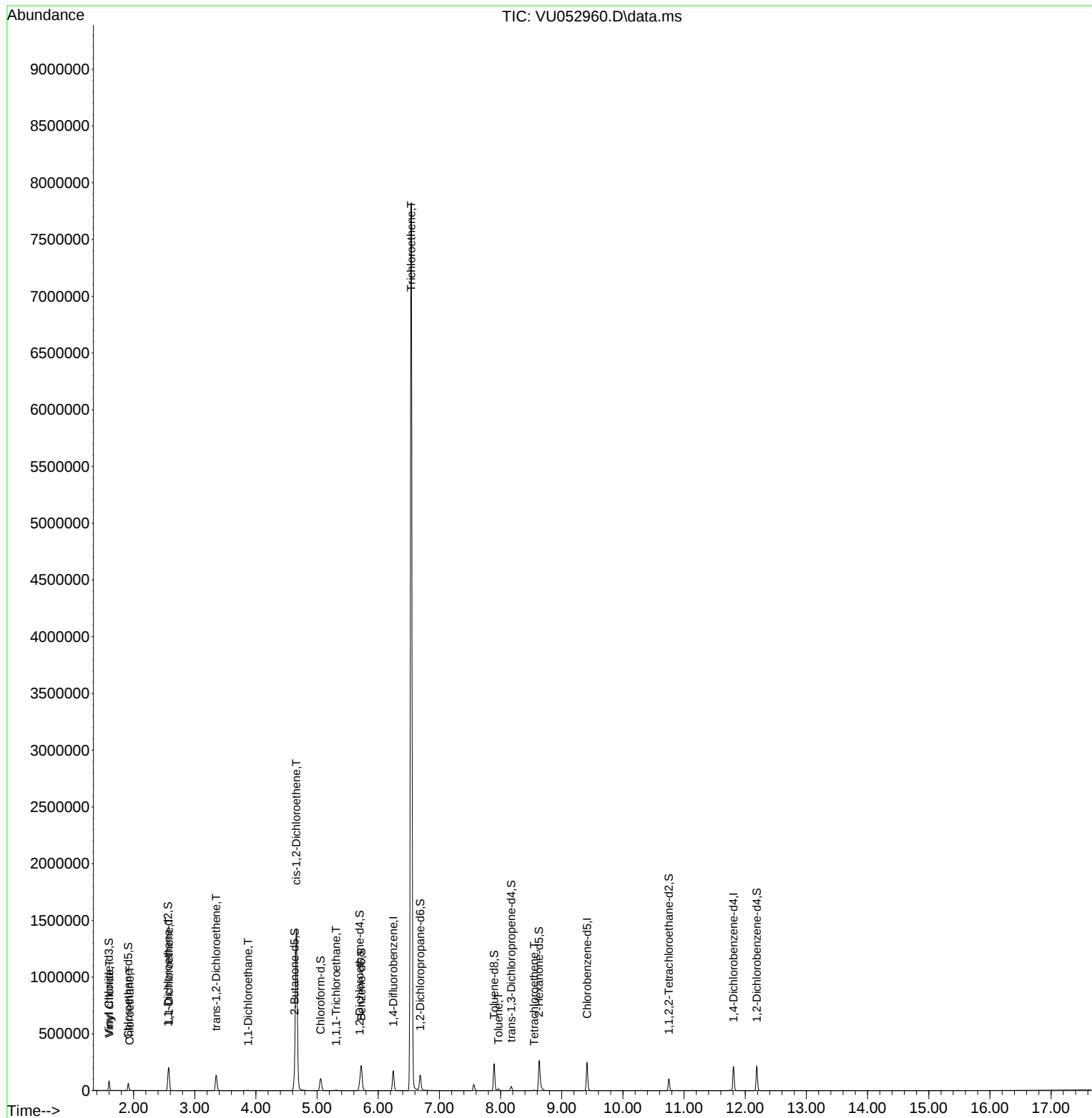
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	143928	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	141188	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	61624	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	44359	3.508	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.200%
7) Chloroethane-d5	1.912	69	46714	4.535	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.600%
11) 1,1-Dichloroethene-d2	2.565	65	22406	4.024	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.400%
20) 2-Butanone-d5	4.633	46	127618	37.747	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	75.500%
24) Chloroform-d	5.057	84	105056	4.454	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.000%
26) 1,2-Dichloroethane-d4	5.697	65	53157	4.388	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.800%
32) Benzene-d6	5.723	84	214949	4.697	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.000%
36) 1,2-Dichloropropane-d6	6.687	67	64260	4.214	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.200%
41) Toluene-d8	7.896	98	163762	4.059	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.200%
43) trans-1,3-Dichloroprop...	8.176	79	20589	3.630	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.600%
46) 2-Hexanone-d5	8.629	63	87271	37.046	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	74.100%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	52399	4.488	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.800%
66) 1,2-Dichlorobenzene-d4	12.188	152	60263	5.372	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.400%
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	21350	1.188	ug/L	100
8) Chloroethane	1.935	64	2306	0.211	ug/L	99
12) 1,1-Dichloroethene	2.578	96	46034	3.689	ug/L	86
18) trans-1,2-Dichloroethene	3.350	96	59999	4.715	ug/L	85
19) 1,1-Dichloroethane	3.874	63	4701	0.178	ug/L #	89
22) cis-1,2-Dichloroethene	4.661	96	782049	57.224	ug/L	90
29) 1,1,1-Trichloroethane	5.311	97	4665	0.211	ug/L #	86
34) Trichloroethene	6.539	95	2657710	201.053	ug/L	94
42) Toluene	7.967	91	12184	0.219	ug/L	96
47) Tetrachloroethene	8.549	164	1326	0.136	ug/L	76

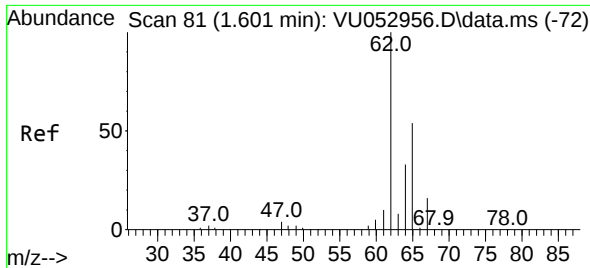
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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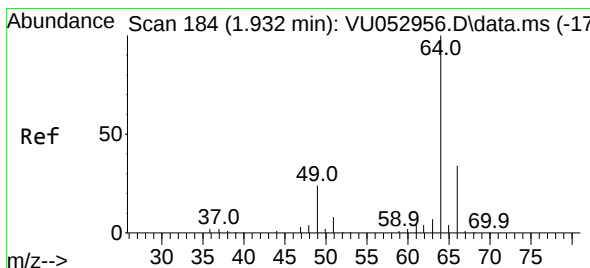
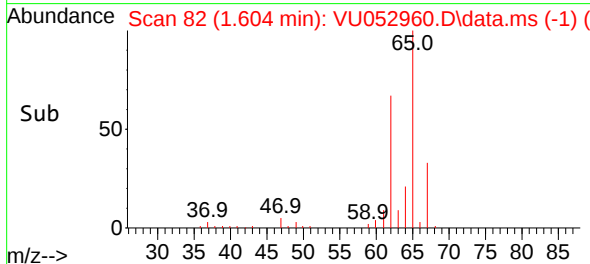
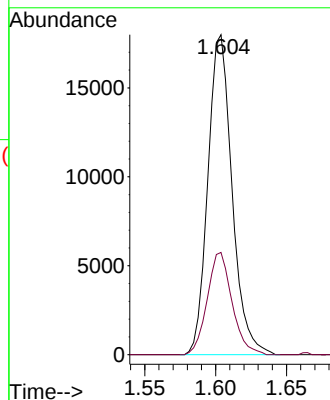
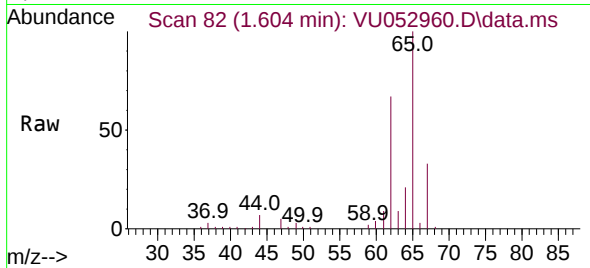




#5
 Vinyl chloride
 Concen: 1.188 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VU052960.D
 Acq: 05 Feb 2023 17:47

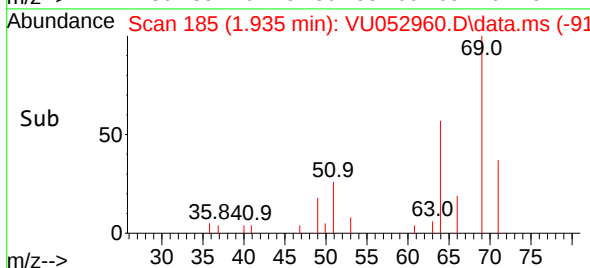
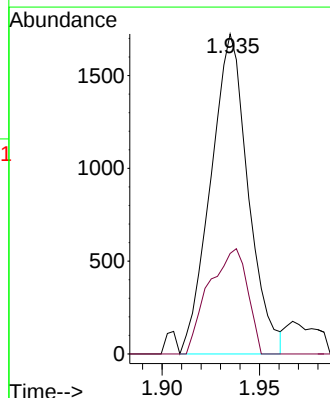
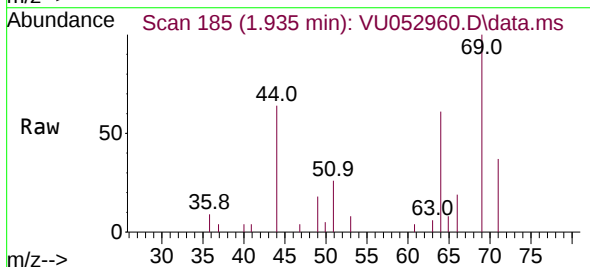
Instrument :
 MSVOA_U
 ClientSampleId :
 COM10

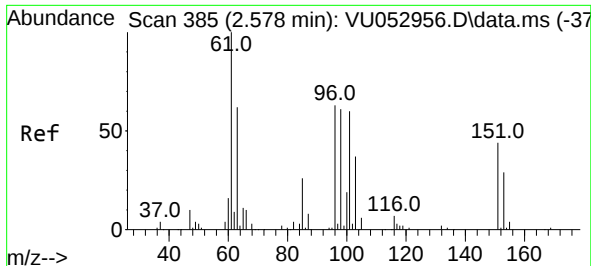
Tgt Ion: 62 Resp: 21350
 Ion Ratio Lower Upper
 62 100
 64 32.0 22.3 41.3



#8
 Chloroethane
 Concen: 0.211 ug/L
 RT: 1.935 min Scan# 185
 Delta R.T. 0.003 min
 Lab File: VU052960.D
 Acq: 05 Feb 2023 17:47

Tgt Ion: 64 Resp: 2306
 Ion Ratio Lower Upper
 64 100
 66 31.4 21.6 40.2

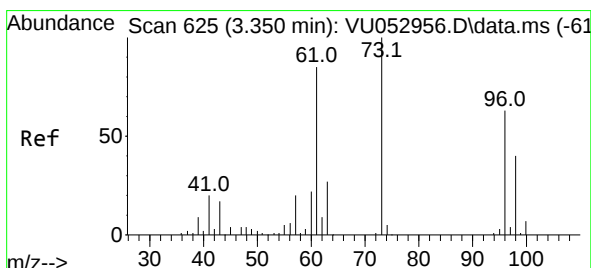
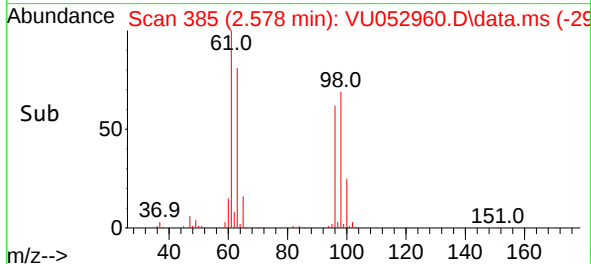
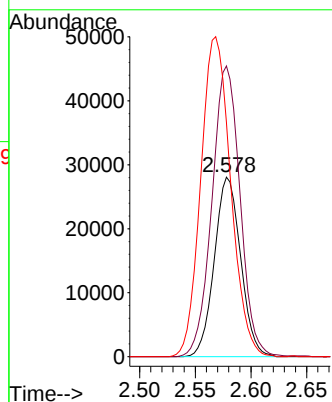
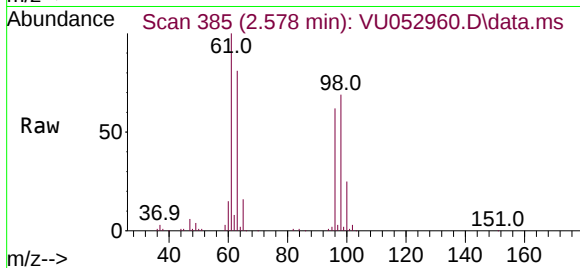




#12
1,1-Dichloroethene
Concen: 3.689 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU052960.D
Acq: 05 Feb 2023 17:47

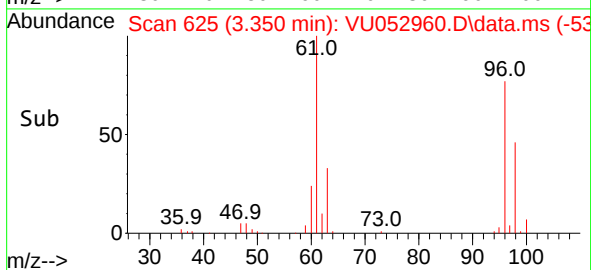
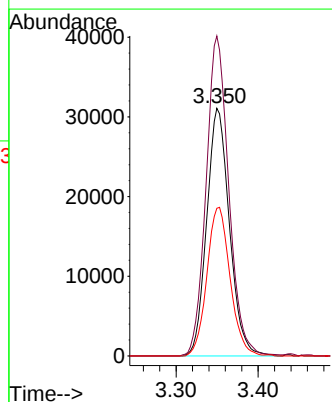
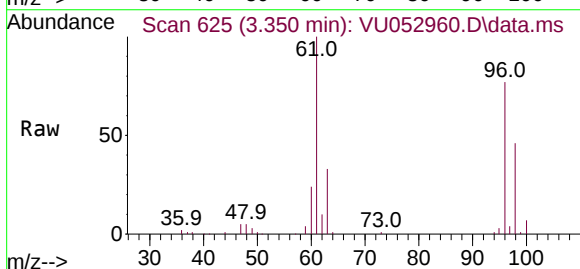
Instrument :
MSVOA_U
ClientSampleId :
COM10

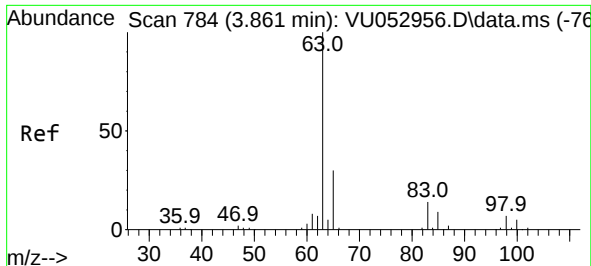
Tgt Ion: 96 Resp: 46034
Ion Ratio Lower Upper
96 100
61 161.9 129.6 240.8
63 130.5 83.7 155.5



#18
trans-1,2-Dichloroethene
Concen: 4.715 ug/L
RT: 3.350 min Scan# 625
Delta R.T. -0.000 min
Lab File: VU052960.D
Acq: 05 Feb 2023 17:47

Tgt Ion: 96 Resp: 59999
Ion Ratio Lower Upper
96 100
61 129.2 108.4 201.4
98 59.6 43.8 81.4





#19

1,1-Dichloroethane

Concen: 0.178 ug/L

RT: 3.874 min Scan# 788

Delta R.T. 0.013 min

Lab File: VU052960.D

Acq: 05 Feb 2023 17:47

Instrument :

MSVOA_U

ClientSampleId :

COM10

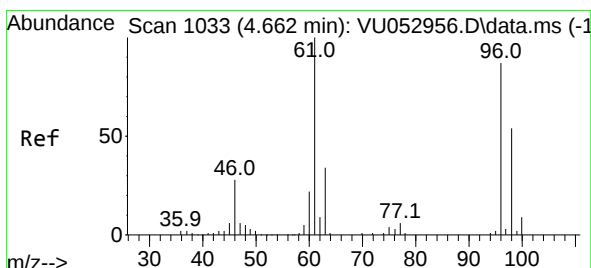
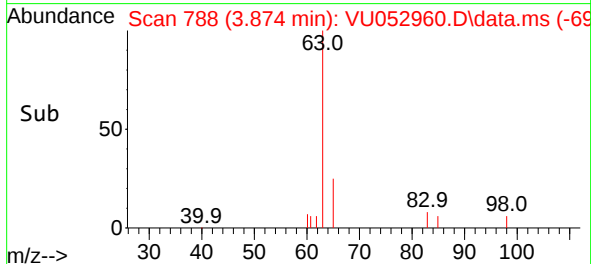
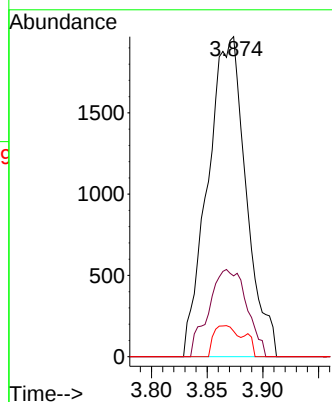
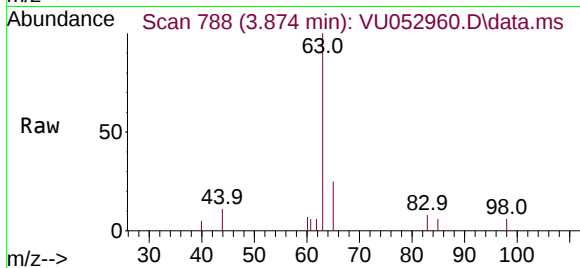
Tgt Ion: 63 Resp: 4701

Ion Ratio Lower Upper

63 100

65 25.2 22.0 41.0

83 8.0 8.9 16.5#



#22

cis-1,2-Dichloroethene

Concen: 57.224 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VU052960.D

Acq: 05 Feb 2023 17:47

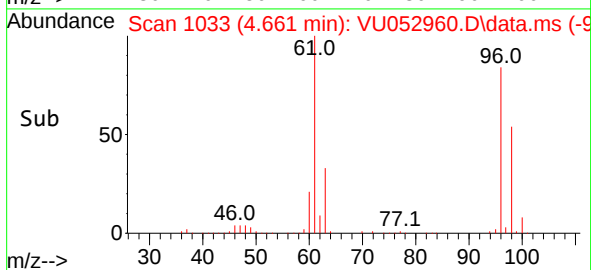
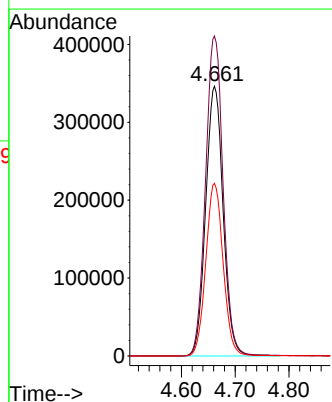
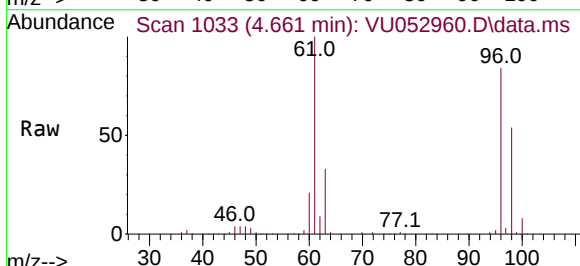
Tgt Ion: 96 Resp: 782049

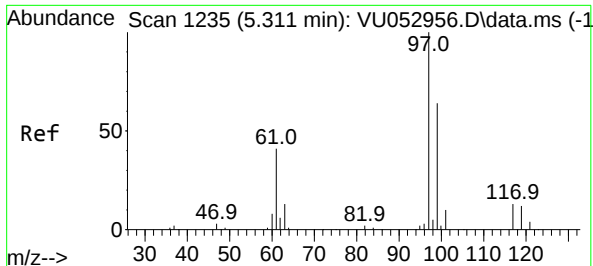
Ion Ratio Lower Upper

96 100

61 118.6 94.6 175.8

98 64.0 43.3 80.3

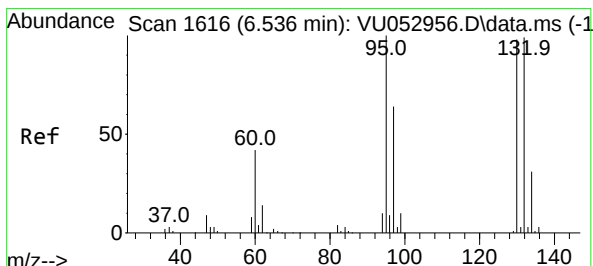
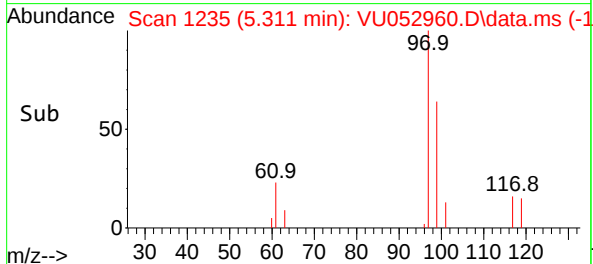
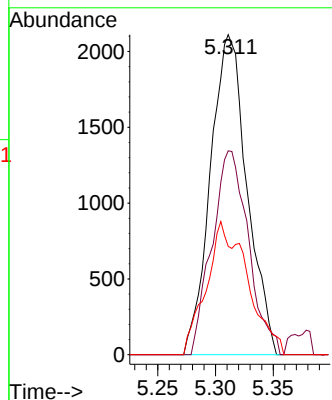
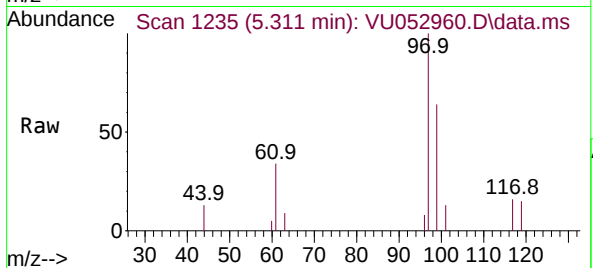




#29
1,1,1-Trichloroethane
Concen: 0.211 ug/L
RT: 5.311 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU052960.D
Acq: 05 Feb 2023 17:47

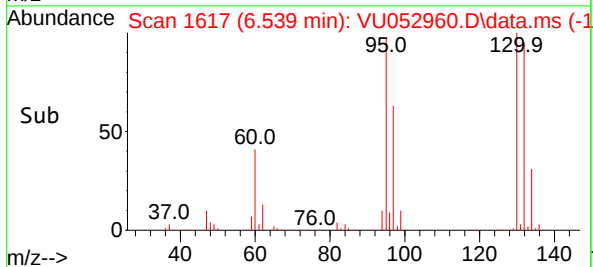
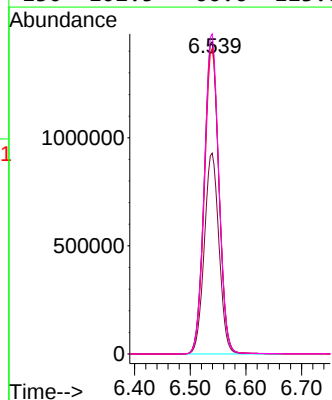
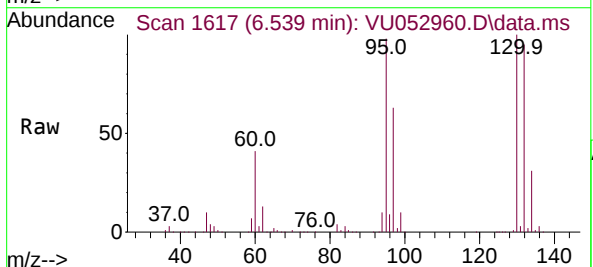
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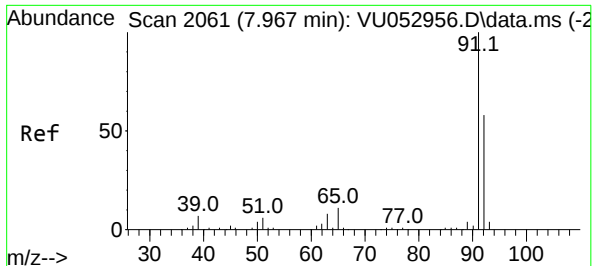
Tgt Ion: 97 Resp: 4665
Ion Ratio Lower Upper
97 100
99 63.4 52.4 78.6
61 27.6 38.5 57.7#



#34
Trichloroethene
Concen: 201.053 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.003 min
Lab File: VU052960.D
Acq: 05 Feb 2023 17:47

Tgt Ion: 95 Resp: 2657710
Ion Ratio Lower Upper
95 100
97 64.3 46.0 85.4
132 97.8 64.0 118.8
130 102.5 66.6 123.8





#42

Toluene

Concen: 0.219 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU052960.D

Acq: 05 Feb 2023 17:47

Instrument :

MSVOA_U

ClientSampleId :

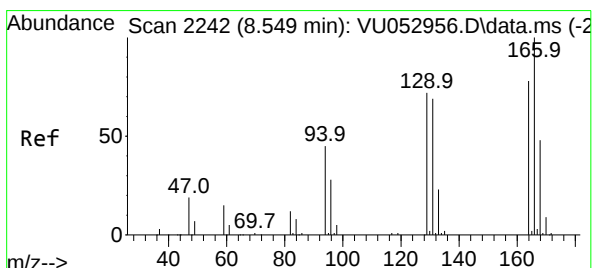
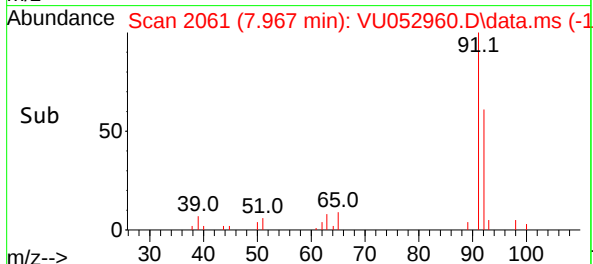
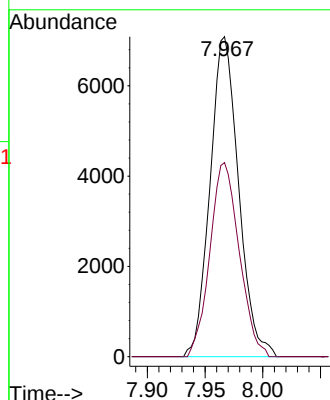
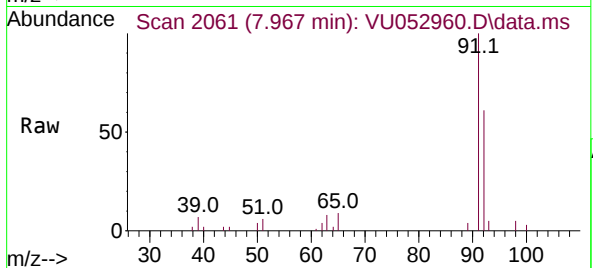
COM10

Tgt Ion: 91 Resp: 12184

Ion Ratio Lower Upper

91 100

92 60.6 40.5 75.1



#47

Tetrachloroethene

Concen: 0.136 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. -0.000 min

Lab File: VU052960.D

Acq: 05 Feb 2023 17:47

Tgt Ion: 164 Resp: 1326

Ion Ratio Lower Upper

164 100

129 83.5 71.8 133.4

131 76.6 66.6 123.6

166 91.2 89.9 167.0

