

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020523\
 Data File : VU052963.D
 Acq On : 05 Feb 2023 19:00
 Operator : JC/MD
 Sample : 01444-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COM13

Quant Time: Feb 05 22:00:18 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)

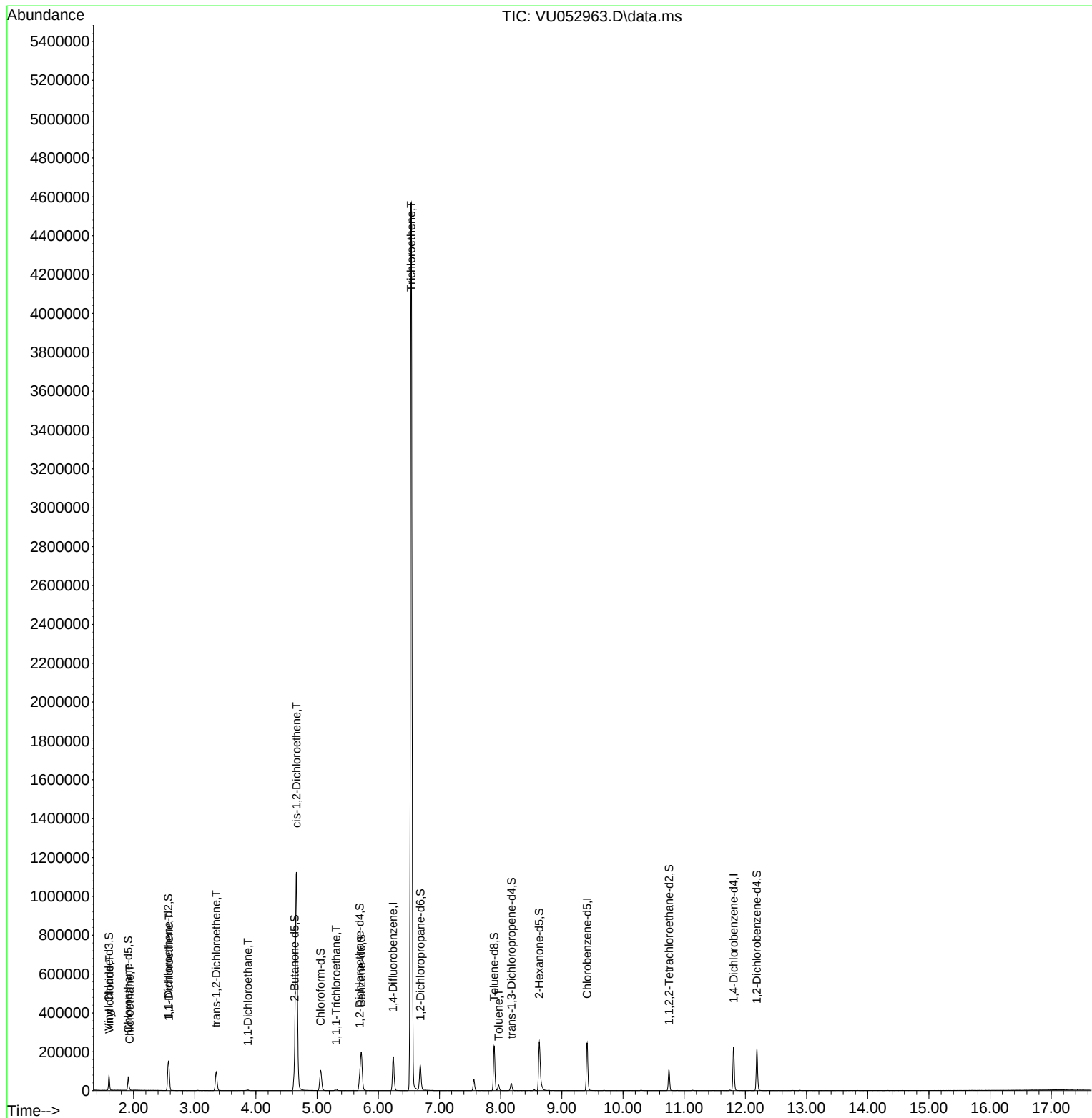
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	145807	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	143242	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	65191	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	43953	3.431	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.600%
7) Chloroethane-d5	1.912	69	49286	4.723	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.400%
11) 1,1-Dichloroethene-d2	2.565	65	20176	3.577	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.600%
20) 2-Butanone-d5	4.632	46	126258	36.863	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	73.720%
24) Chloroform-d	5.057	84	99851	4.179	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.600%
26) 1,2-Dichloroethane-d4	5.697	65	52409	4.271	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.400%
32) Benzene-d6	5.722	84	197880	4.262	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.200%
36) 1,2-Dichloropropane-d6	6.687	67	61529	3.977	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.600%
41) Toluene-d8	7.893	98	159095	3.887	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.800%
43) trans-1,3-Dichloroprop...	8.176	79	21142	3.675	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.400%
46) 2-Hexanone-d5	8.629	63	84678	35.430	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	70.860%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	53239	4.494	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.800%
66) 1,2-Dichlorobenzene-d4	12.188	152	58016	4.889	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.800%
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	14702	0.808	ug/L	96
8) Chloroethane	1.935	64	2209	0.200	ug/L	99
12) 1,1-Dichloroethene	2.578	96	28333	2.241	ug/L #	78
18) trans-1,2-Dichloroethene	3.350	96	43185	3.350	ug/L	89
19) 1,1-Dichloroethane	3.867	63	4252	0.159	ug/L #	77
22) cis-1,2-Dichloroethene	4.661	96	608185	43.928	ug/L	91
29) 1,1,1-Trichloroethane	5.311	97	5723	0.255	ug/L	96
34) Trichloroethene	6.536	95	1562551	116.510	ug/L	95
42) Toluene	7.967	91	22191	0.393	ug/L	99

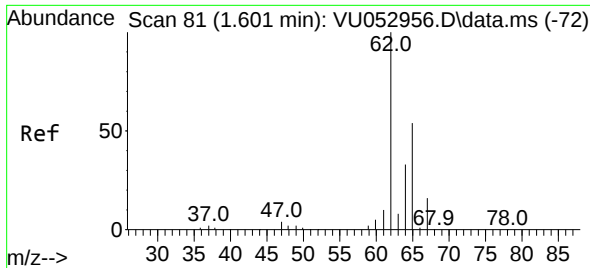
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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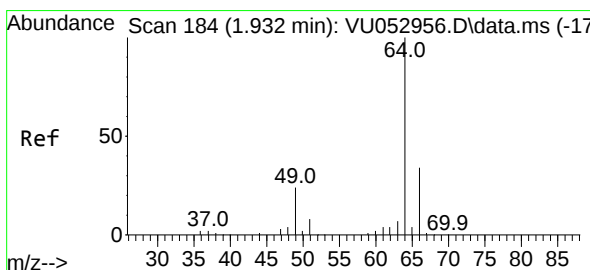
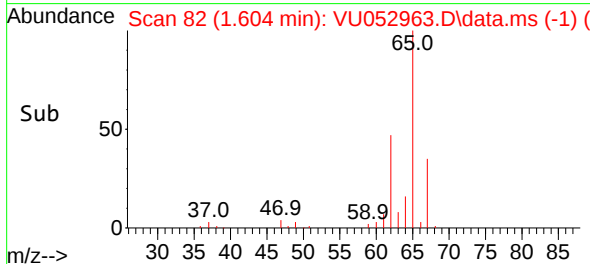
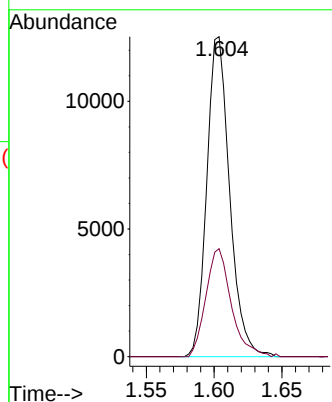
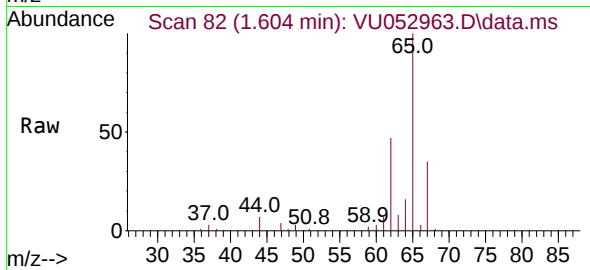




#5
 Vinyl chloride
 Concen: 0.808 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VU052963.D
 Acq: 05 Feb 2023 19:00

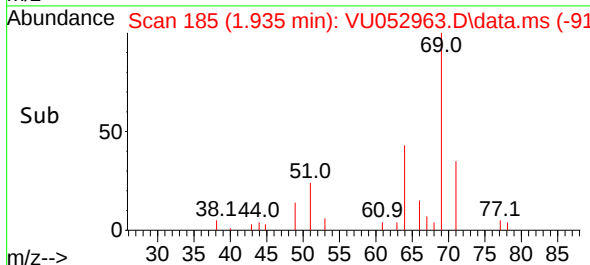
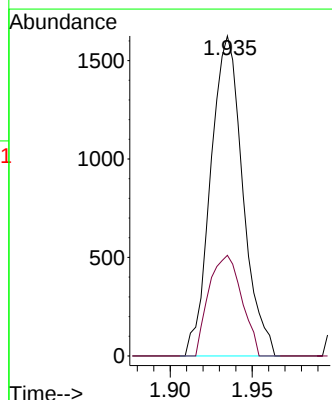
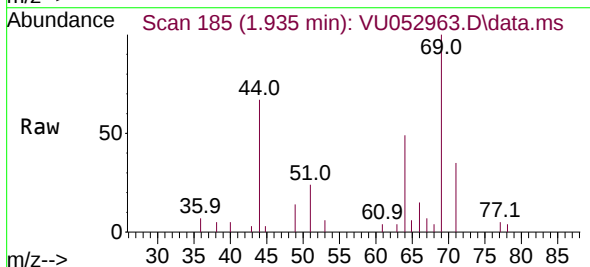
Instrument :
 MSVOA_U
 ClientSampleId :
 COM13

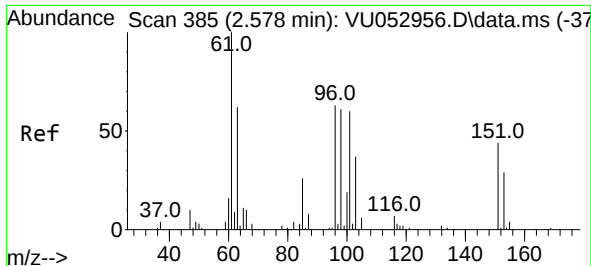
Tgt Ion: 62 Resp: 14702
 Ion Ratio Lower Upper
 62 100
 64 33.7 22.3 41.3



#8
 Chloroethane
 Concen: 0.200 ug/L
 RT: 1.935 min Scan# 185
 Delta R.T. 0.003 min
 Lab File: VU052963.D
 Acq: 05 Feb 2023 19:00

Tgt Ion: 64 Resp: 2209
 Ion Ratio Lower Upper
 64 100
 66 31.4 21.6 40.2





#12

1,1-Dichloroethene

Concen: 2.241 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.000 min

Lab File: VU052963.D

Acq: 05 Feb 2023 19:00

Instrument :

MSVOA_U

ClientSampleId :

COM13

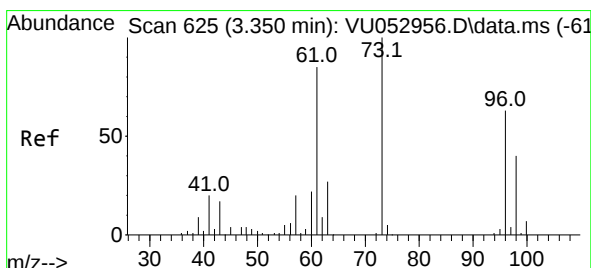
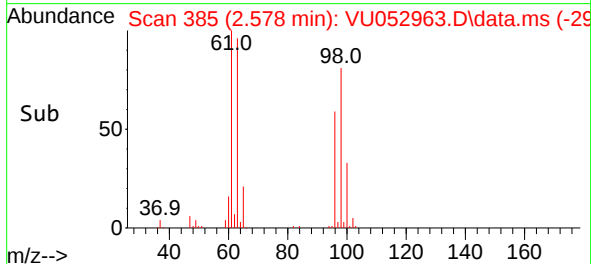
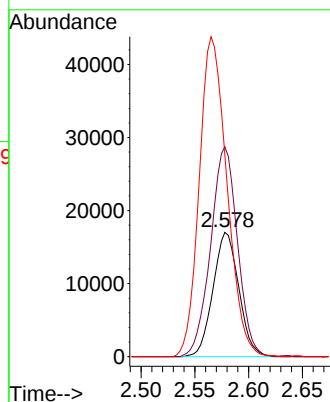
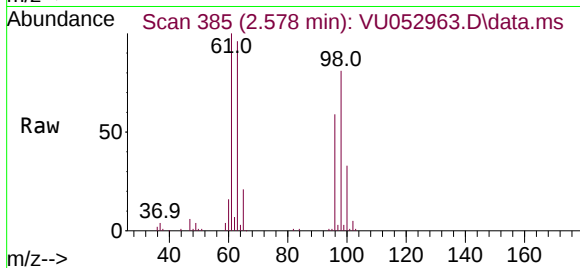
Tgt Ion: 96 Resp: 28333

Ion Ratio Lower Upper

96 100

61 168.9 129.6 240.8

63 162.2 83.7 155.5#



#18

trans-1,2-Dichloroethene

Concen: 3.350 ug/L

RT: 3.350 min Scan# 625

Delta R.T. -0.000 min

Lab File: VU052963.D

Acq: 05 Feb 2023 19:00

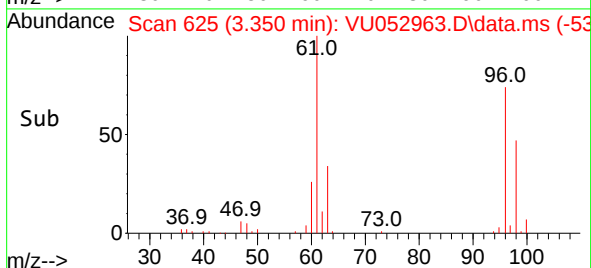
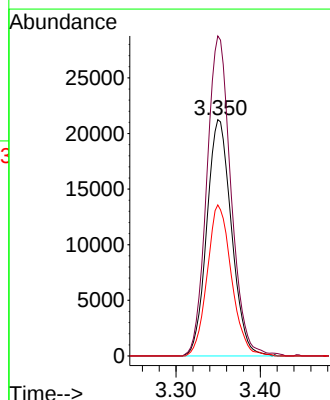
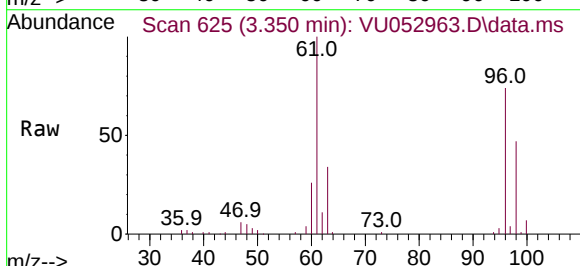
Tgt Ion: 96 Resp: 43185

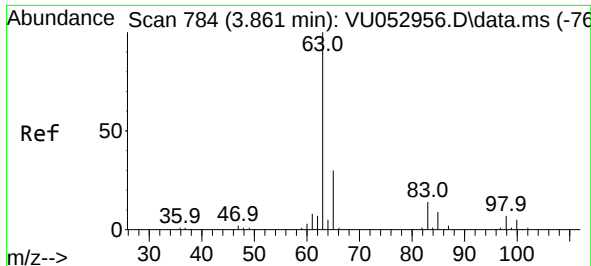
Ion Ratio Lower Upper

96 100

61 135.4 108.4 201.4

98 63.9 43.8 81.4





#19

1,1-Dichloroethane

Concen: 0.159 ug/L

RT: 3.867 min Scan# 71

Delta R.T. 0.006 min

Lab File: VU052963.D

Acq: 05 Feb 2023 19:00

Instrument :

MSVOA_U

ClientSampleId :

COM13

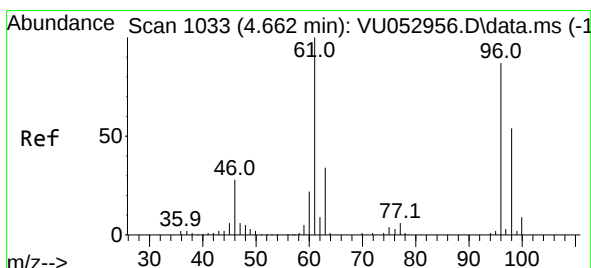
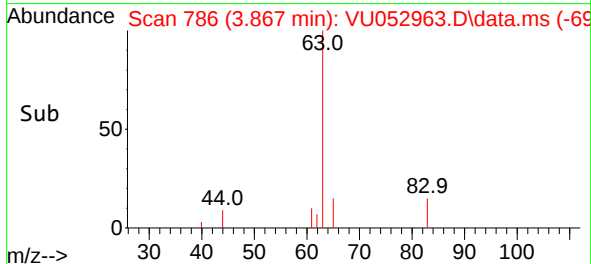
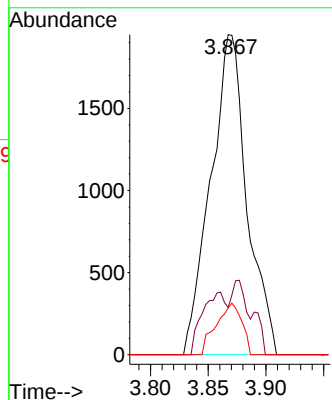
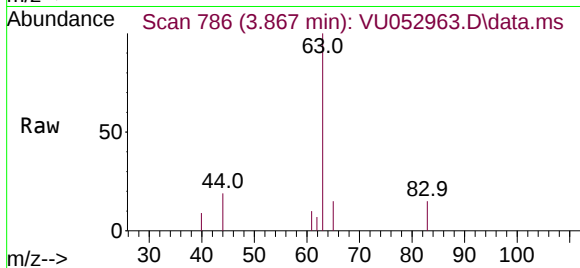
Tgt Ion: 63 Resp: 4252

Ion Ratio Lower Upper

63 100

65 14.8 22.0 41.0#

83 14.7 8.9 16.5



#22

cis-1,2-Dichloroethene

Concen: 43.928 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VU052963.D

Acq: 05 Feb 2023 19:00

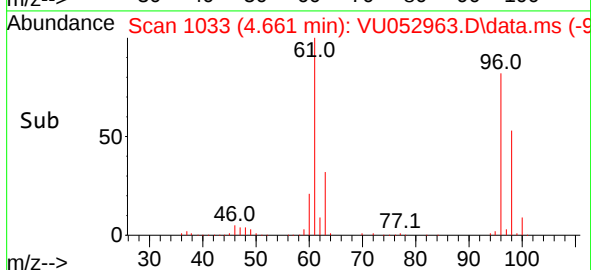
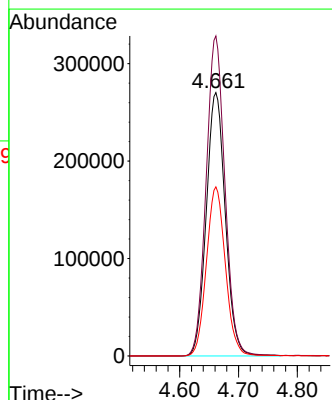
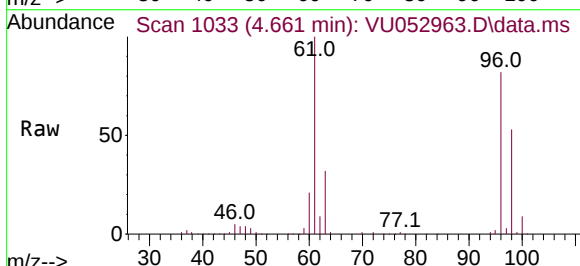
Tgt Ion: 96 Resp: 608185

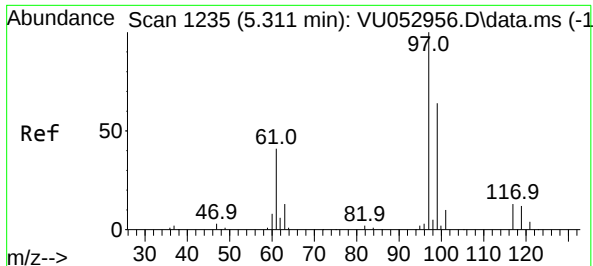
Ion Ratio Lower Upper

96 100

61 121.5 94.6 175.8

98 64.2 43.3 80.3





#29

1,1,1-Trichloroethane

Concen: 0.255 ug/L

RT: 5.311 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU052963.D

Acq: 05 Feb 2023 19:00

Instrument :

MSVOA_U

ClientSampleId :

COM13

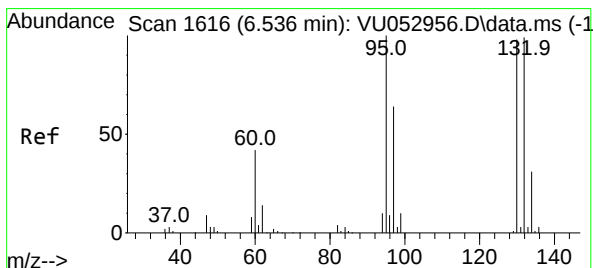
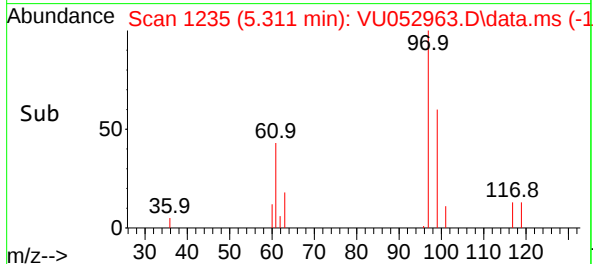
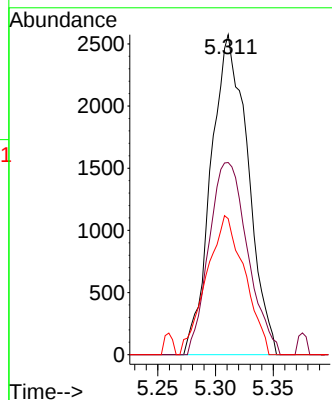
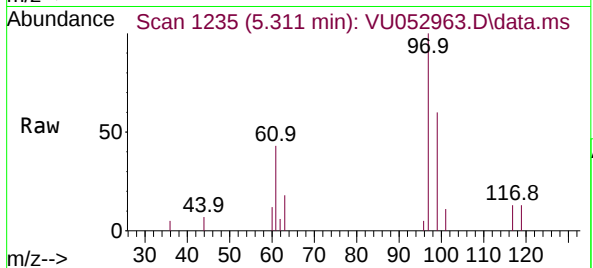
Tgt Ion: 97 Resp: 5723

Ion Ratio Lower Upper

97 100

99 63.0 52.4 78.6

61 45.0 38.5 57.7



#34

Trichloroethene

Concen: 116.510 ug/L

RT: 6.536 min Scan# 1616

Delta R.T. -0.000 min

Lab File: VU052963.D

Acq: 05 Feb 2023 19:00

Tgt Ion: 95 Resp: 1562551

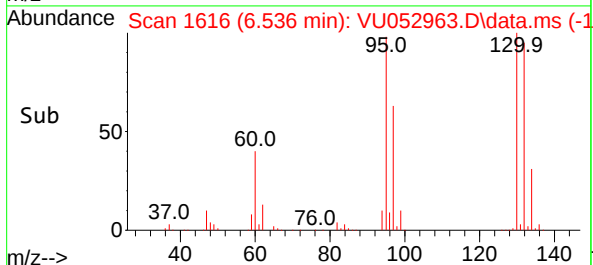
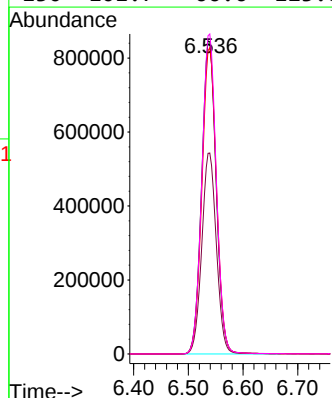
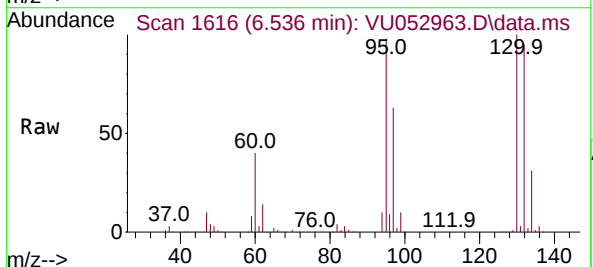
Ion Ratio Lower Upper

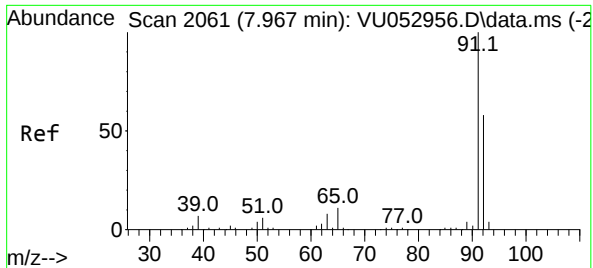
95 100

97 64.1 46.0 85.4

132 96.9 64.0 118.8

130 101.7 66.6 123.8





#42
Toluene
Concen: 0.393 ug/L
RT: 7.967 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VU052963.D
Acq: 05 Feb 2023 19:00

Instrument :
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Tgt Ion: 91 Resp: 22191
Ion Ratio Lower Upper
91 100
92 58.6 40.5 75.1

