

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020523\
 Data File : VU052962.D
 Acq On : 05 Feb 2023 18:35
 Operator : JC/MD
 Sample : 01440-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COM12

Quant Time: Feb 05 22:00:05 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)

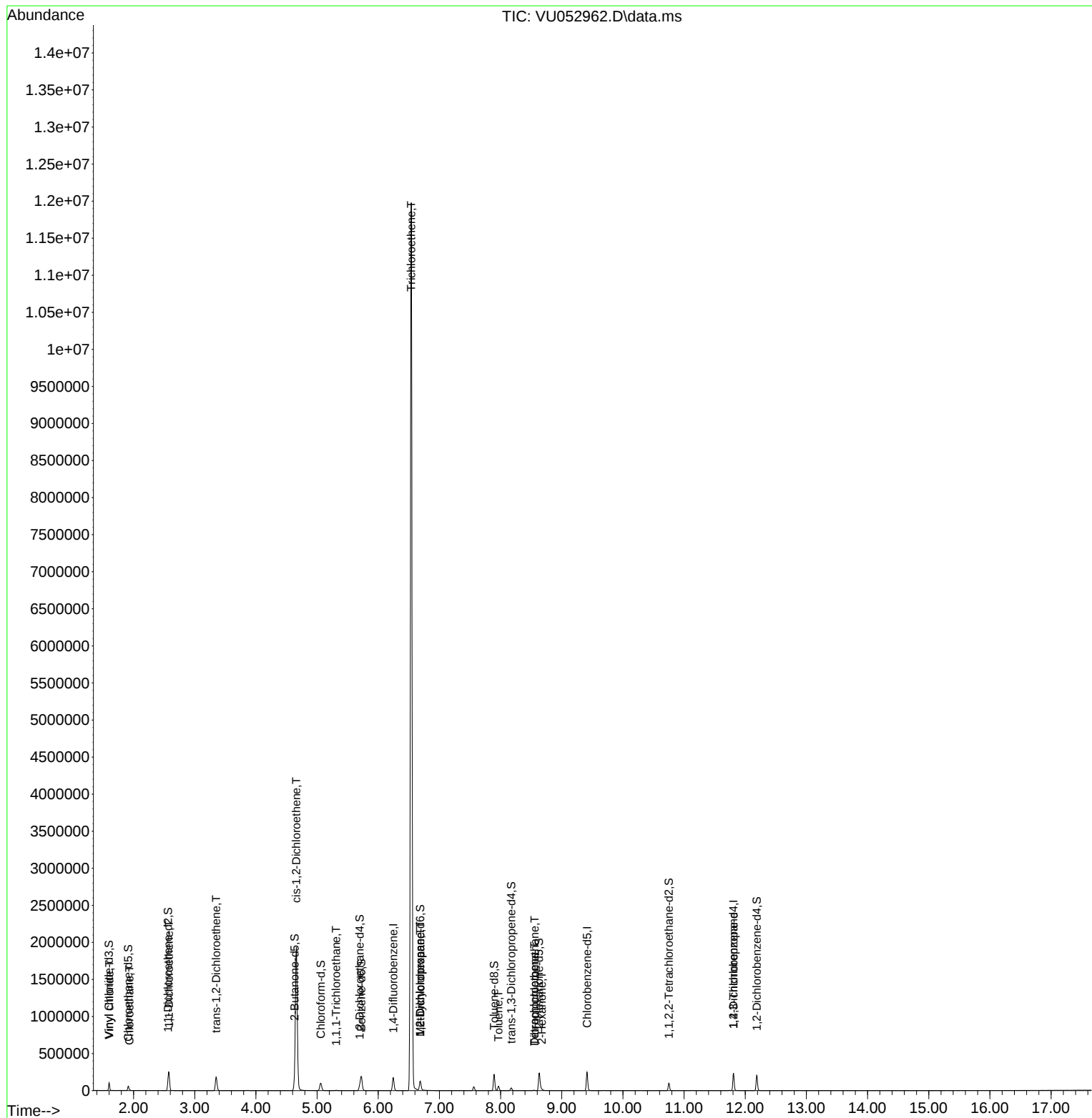
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	149705	5.000	ug/L	# 0.00
28) Chlorobenzene-d5	9.414	117	146730	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	65227	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	43426	3.302	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.000%
7) Chloroethane-d5	1.912	69	45404	4.237	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.800%
11) 1,1-Dichloroethene-d2	2.565	65	20369	3.517	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.400%
20) 2-Butanone-d5	4.632	46	122887	34.945	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	69.880%
24) Chloroform-d	5.060	84	98389	4.010	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.200%
26) 1,2-Dichloroethane-d4	5.697	65	51359	4.076	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.600%
32) Benzene-d6	5.722	84	190479	4.005	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.200%
36) 1,2-Dichloropropane-d6	6.687	67	61078	3.854	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	77.000%
41) Toluene-d8	7.893	98	152351	3.633	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.600%
43) trans-1,3-Dichloroprop...	8.176	79	20053	3.402	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	68.000%
46) 2-Hexanone-d5	8.629	63	80956	33.067	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	66.140%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	50873	4.193	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.800%
66) 1,2-Dichlorobenzene-d4	12.188	152	57338	4.829	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.600%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	36724	1.965	ug/L	98
8) Chloroethane	1.932	64	4139	0.364	ug/L	88
12) 1,1-Dichloroethene	2.578	96	69344	5.343	ug/L	84
18) trans-1,2-Dichloroethene	3.350	96	82188	6.209	ug/L	82
22) cis-1,2-Dichloroethene	4.661	96	1041569	73.272	ug/L	91
29) 1,1,1-Trichloroethane	5.311	97	3719	0.162	ug/L	97
34) Trichloroethene	6.539	95	4086656	297.475	ug/L	95
35) Methylcyclohexane	6.687	83	14054	0.620	ug/L	# 16
37) 1,2-Dichloropropane	6.687	63	6428	0.412	ug/L	# 89
42) Toluene	7.964	91	45077	0.779	ug/L	95
47) Tetrachloroethene	8.552	164	1563	0.154	ug/L	91
48) 2-Hexanone	8.674	43	4574	0.701	ug/L	# 48
49) Dibromochloromethane	8.555	129	1490	0.131	ug/L	# 11
61) 1,2,3-Trichloropropane	11.806	75	6682	0.881	ug/L	# 65

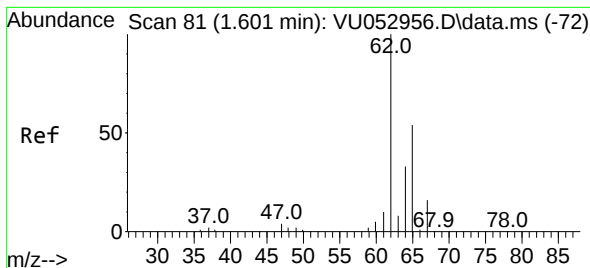
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.965 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.003 min

Lab File: VU052962.D

Acq: 05 Feb 2023 18:35

Instrument :

MSVOA_U

ClientSampleId :

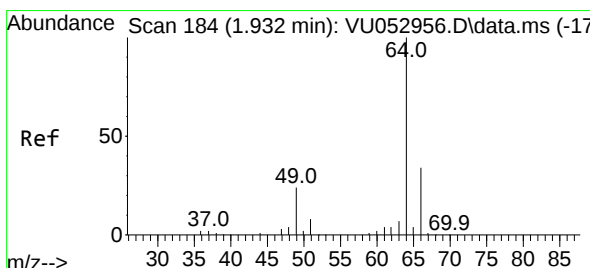
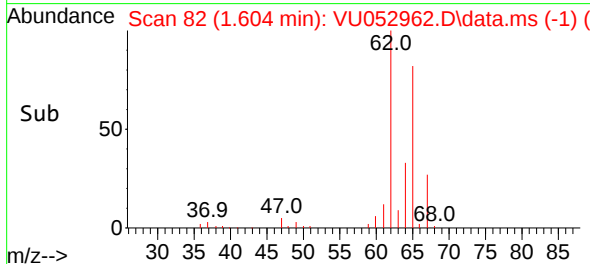
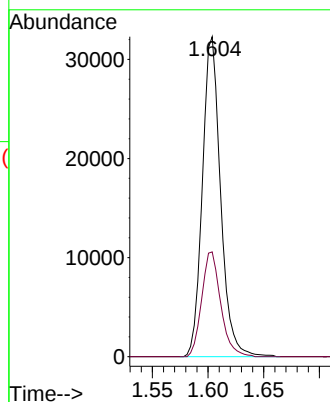
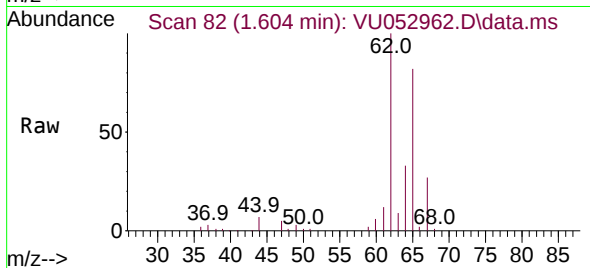
COM12

Tgt Ion: 62 Resp: 36724

Ion Ratio Lower Upper

62 100

64 32.7 22.3 41.3



#8

Chloroethane

Concen: 0.364 ug/L

RT: 1.932 min Scan# 184

Delta R.T. -0.000 min

Lab File: VU052962.D

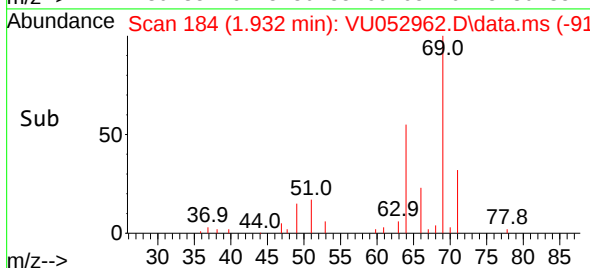
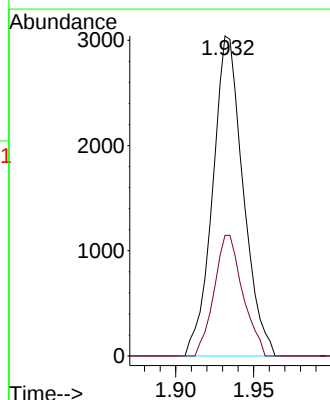
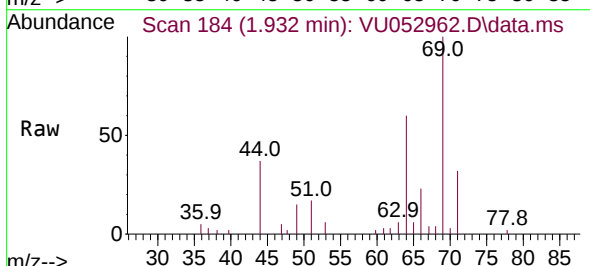
Acq: 05 Feb 2023 18:35

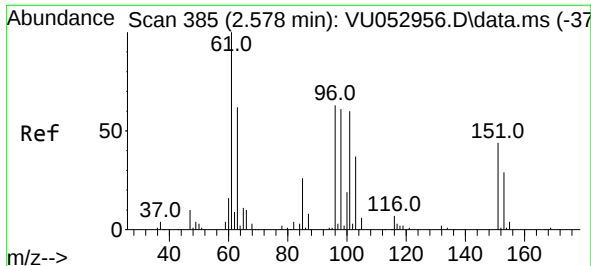
Tgt Ion: 64 Resp: 4139

Ion Ratio Lower Upper

64 100

66 37.7 21.6 40.2





#12

1,1-Dichloroethene

Concen: 5.343 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.000 min

Lab File: VU052962.D

Acq: 05 Feb 2023 18:35

Instrument :

MSVOA_U

ClientSampleId :

COM12

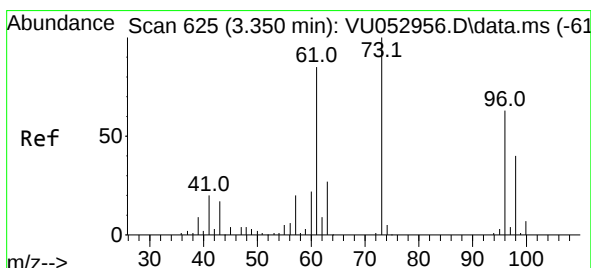
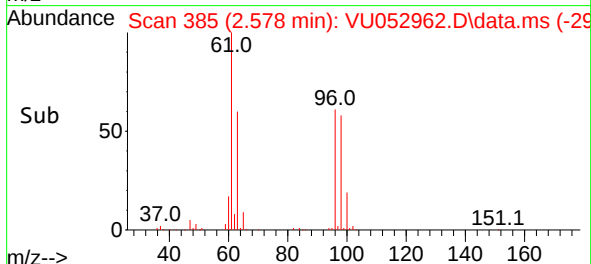
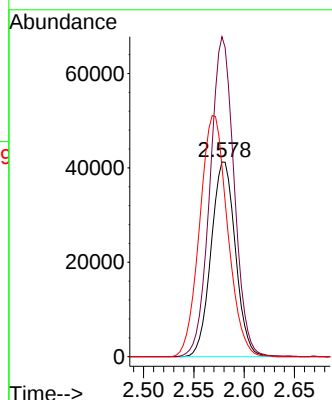
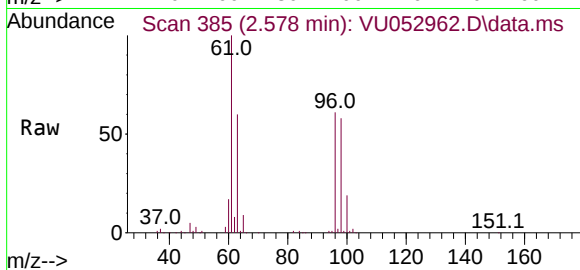
Tgt Ion: 96 Resp: 69344

Ion Ratio Lower Upper

96 100

61 164.4 129.6 240.8

63 97.8 83.7 155.5



#18

trans-1,2-Dichloroethene

Concen: 6.209 ug/L

RT: 3.350 min Scan# 625

Delta R.T. -0.000 min

Lab File: VU052962.D

Acq: 05 Feb 2023 18:35

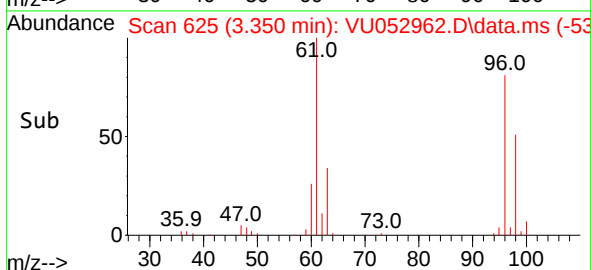
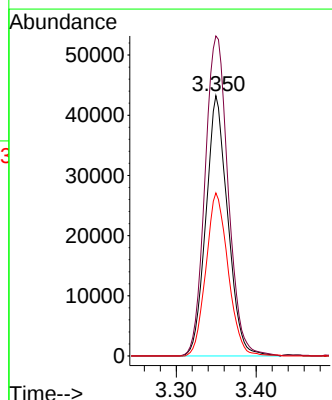
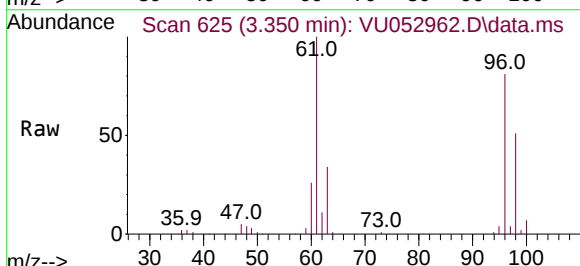
Tgt Ion: 96 Resp: 82188

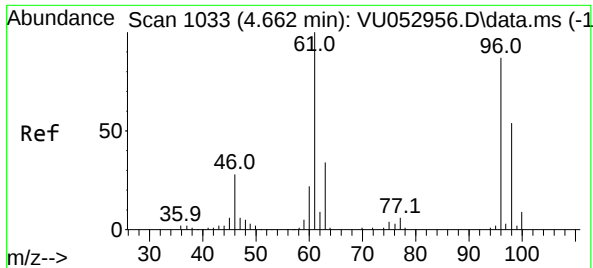
Ion Ratio Lower Upper

96 100

61 123.0 108.4 201.4

98 62.6 43.8 81.4



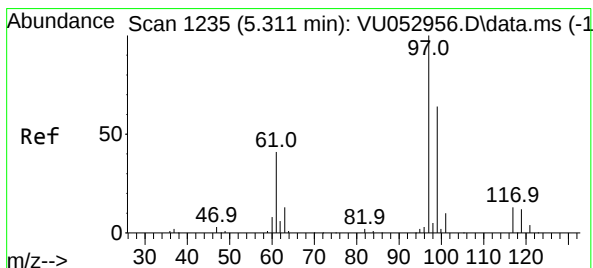
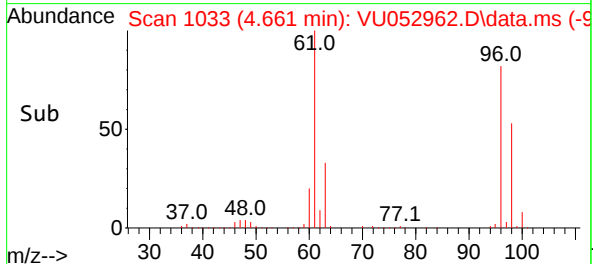
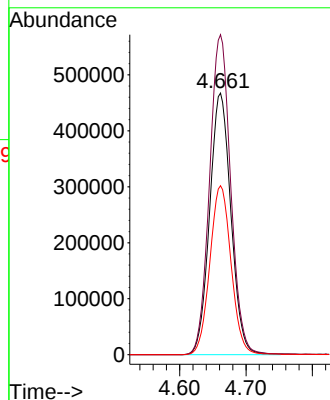
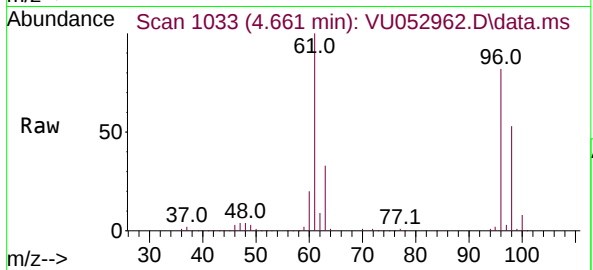


#22
 cis-1,2-Dichloroethene
 Concen: 73.272 ug/L
 RT: 4.661 min Scan# 1033
 Delta R.T. -0.000 min
 Lab File: VU052962.D
 Acq: 05 Feb 2023 18:35

Instrument :
 MSVOA_U
 ClientSampleId :
 COM12

Tgt Ion: 96 Resp: 1041569

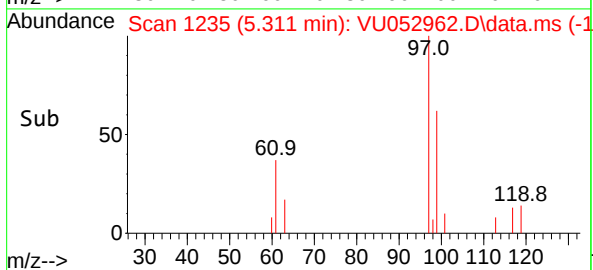
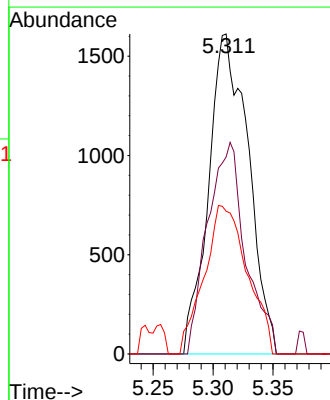
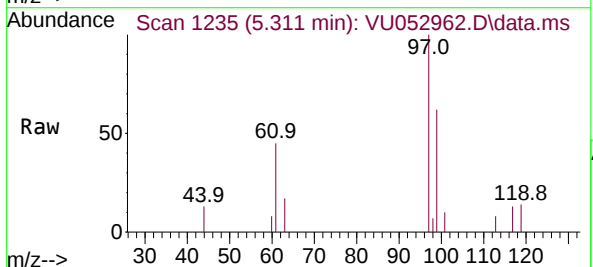
Ion	Ratio	Lower	Upper
96	100		
61	122.3	94.6	175.8
98	64.6	43.3	80.3

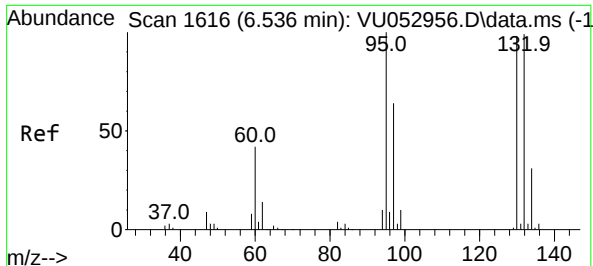


#29
 1,1,1-Trichloroethane
 Concen: 0.162 ug/L
 RT: 5.311 min Scan# 1235
 Delta R.T. -0.000 min
 Lab File: VU052962.D
 Acq: 05 Feb 2023 18:35

Tgt Ion: 97 Resp: 3719

Ion	Ratio	Lower	Upper
97	100		
99	63.2	52.4	78.6
61	50.4	38.5	57.7

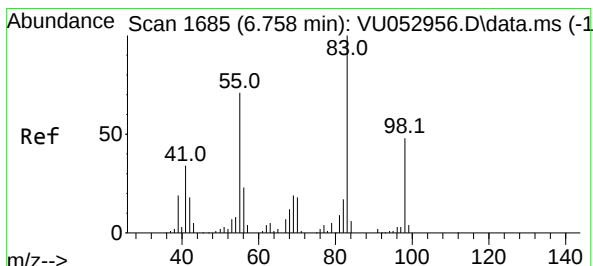
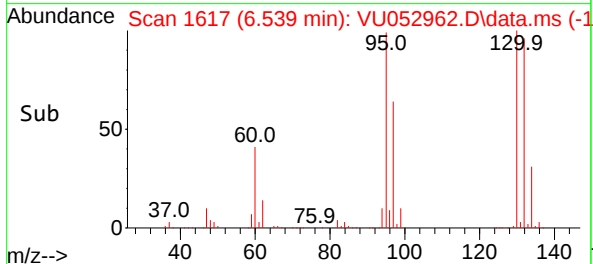
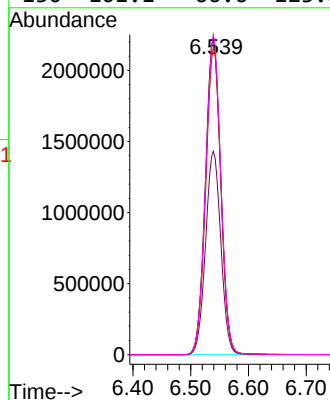
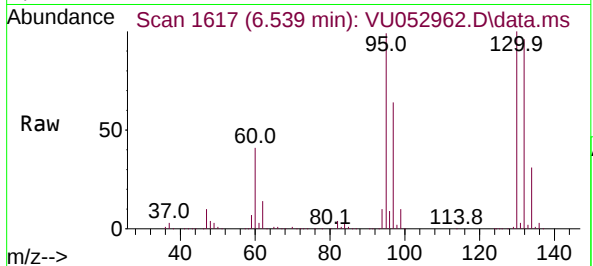




#34
Trichloroethene
Concen: 297.475 ug/L
RT: 6.539 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU052962.D
Acq: 05 Feb 2023 18:35

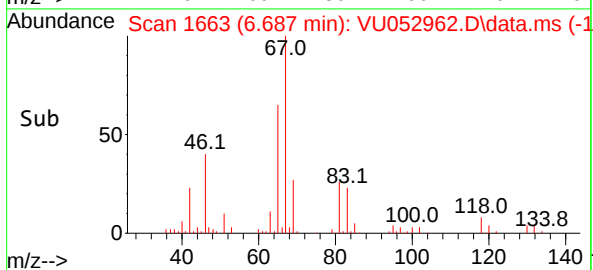
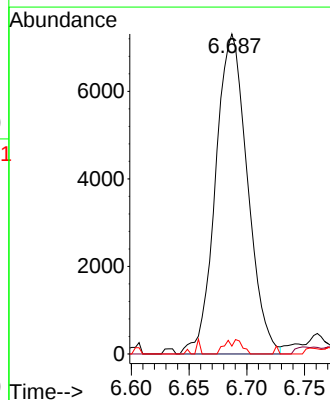
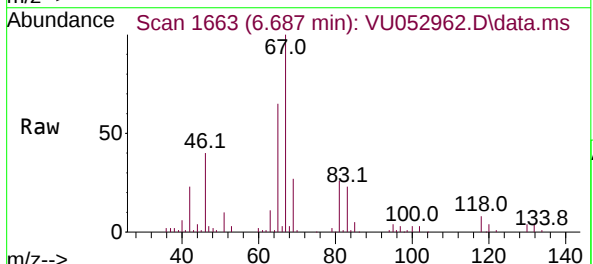
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MSVOA_U
ClientSampleId :
COM12

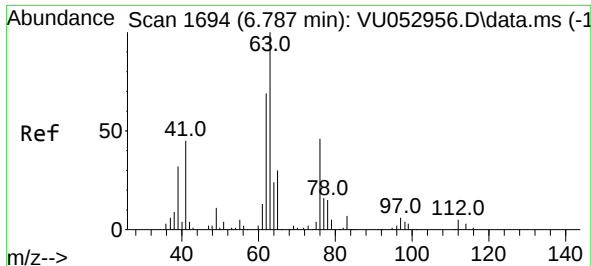
Tgt Ion: 95 Resp: 4086656
Ion Ratio Lower Upper
95 100
97 64.3 46.0 85.4
132 97.1 64.0 118.8
130 101.1 66.6 123.8



#35
Methylcyclohexane
Concen: 0.620 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.071 min
Lab File: VU052962.D
Acq: 05 Feb 2023 18:35

Tgt Ion: 83 Resp: 14054
Ion Ratio Lower Upper
83 100
55 1.6 67.6 101.4#
98 0.0 37.1 55.7#





#37

1,2-Dichloropropane

Concen: 0.412 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU052962.D

Acq: 05 Feb 2023 18:35

Instrument :

MSVOA_U

ClientSampleId :

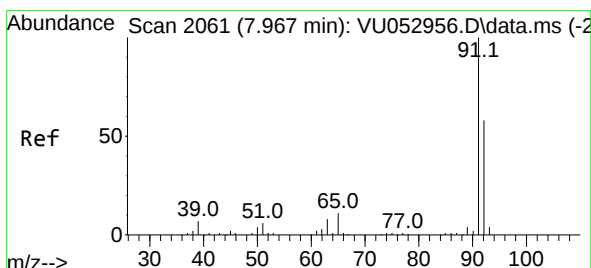
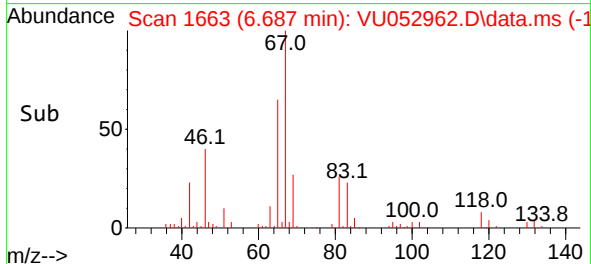
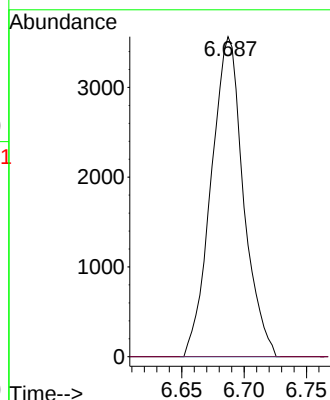
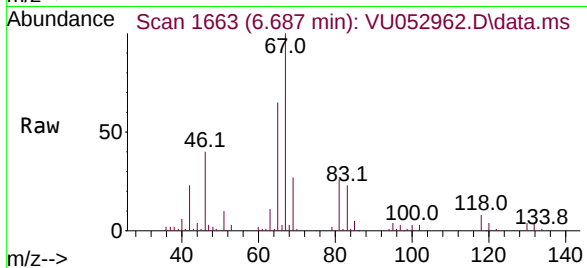
COM12

Tgt Ion: 63 Resp: 6428

Ion Ratio Lower Upper

63 100

112 0.0 2.9 4.3#



#42

Toluene

Concen: 0.779 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. -0.003 min

Lab File: VU052962.D

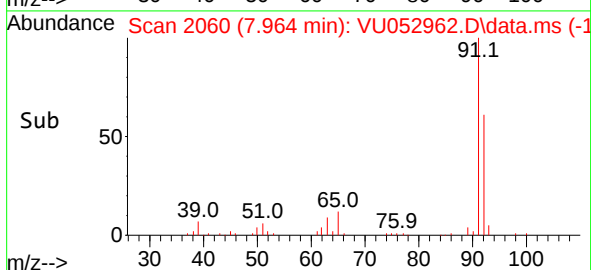
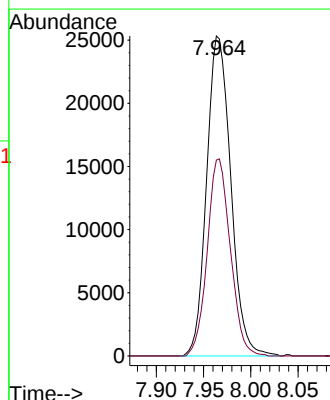
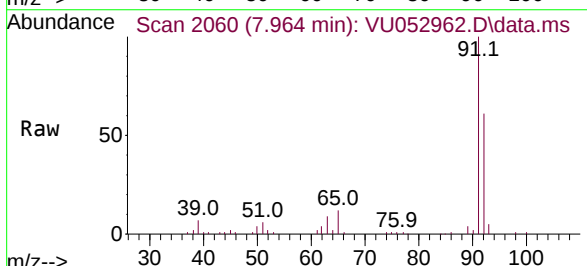
Acq: 05 Feb 2023 18:35

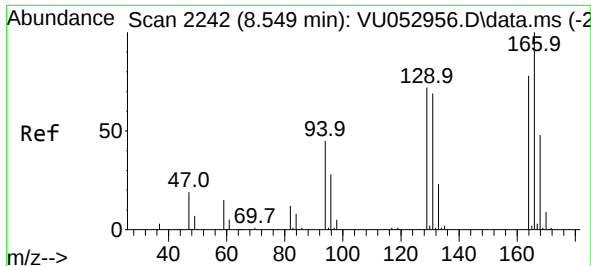
Tgt Ion: 91 Resp: 45077

Ion Ratio Lower Upper

91 100

92 61.2 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: VU052962.D

Acq: 05 Feb 2023 18:35

Instrument :

MSVOA_U

ClientSampleId :

COM12

Tgt Ion:164 Resp: 1563

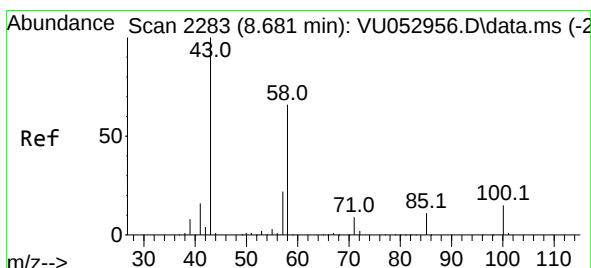
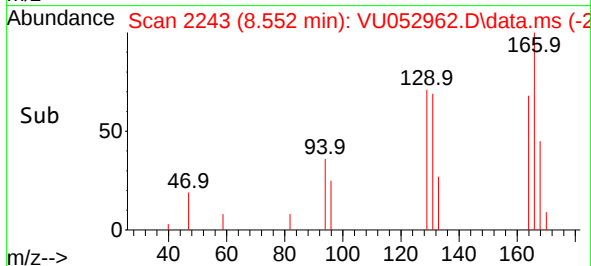
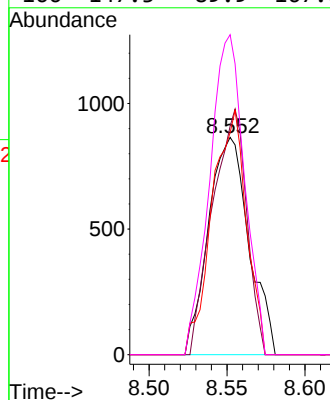
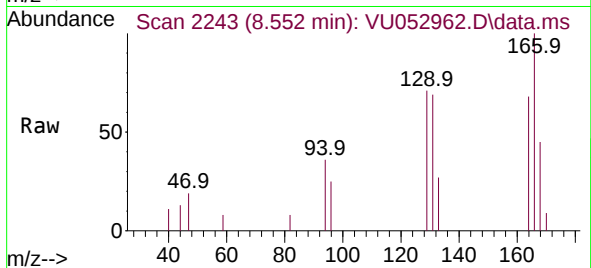
Ion Ratio Lower Upper

164 100

129 105.2 71.8 133.4

131 102.2 66.6 123.6

166 147.3 89.9 167.0



#48

2-Hexanone

Concen: 0.701 ug/L

RT: 8.674 min Scan# 2281

Delta R.T. -0.007 min

Lab File: VU052962.D

Acq: 05 Feb 2023 18:35

Tgt Ion: 43 Resp: 4574

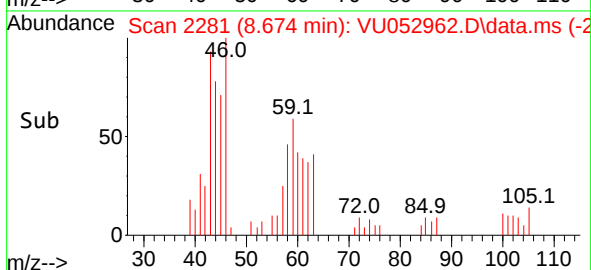
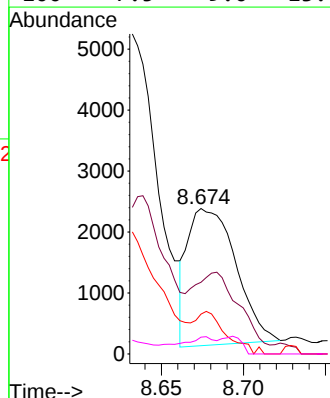
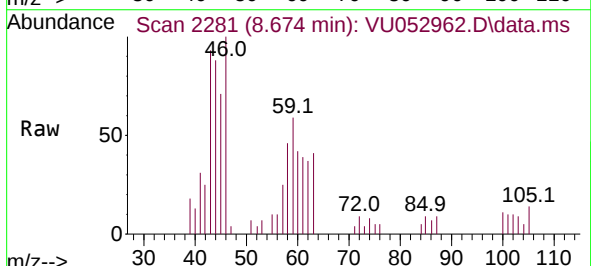
Ion Ratio Lower Upper

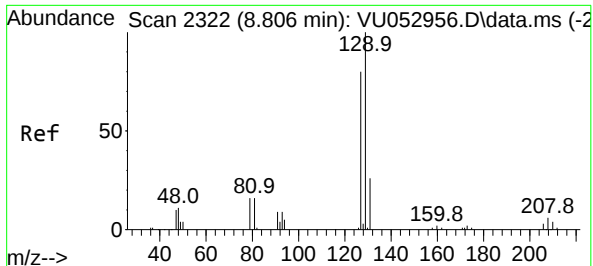
43 100

58 0.0 45.1 67.7#

57 19.4 15.1 22.7

100 7.5 9.0 13.4#





#49

Dibromochloromethane

Concen: 0.131 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.251 min

Lab File: VU052962.D

Acq: 05 Feb 2023 18:35

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MSVOA_U

ClientSampleId :

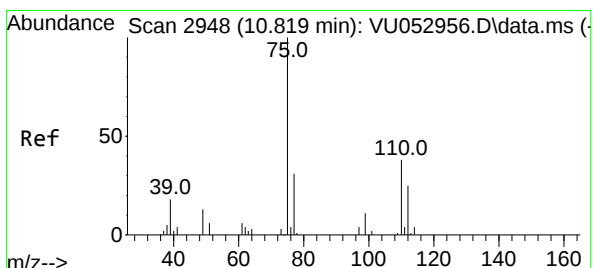
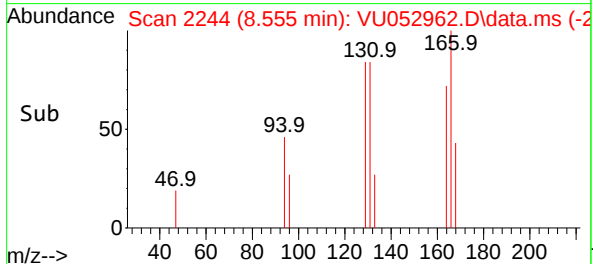
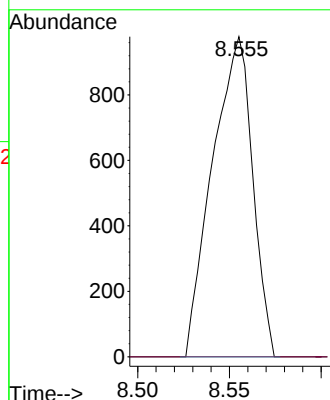
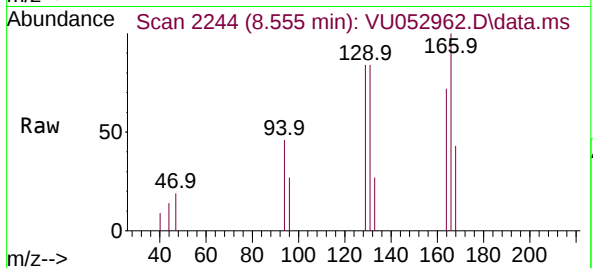
COM12

Tgt Ion:129 Resp: 1490

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.5#



#61

1,2,3-Trichloropropane

Concen: 0.881 ug/L

RT: 11.806 min Scan# 3255

Delta R.T. 0.987 min

Lab File: VU052962.D

Acq: 05 Feb 2023 18:35

Tgt Ion: 75 Resp: 6682

Ion Ratio Lower Upper

75 100

110 2.0 27.2 40.8#

77 36.1 24.0 36.0#

