

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
 Data File : VU052541.D
 Acq On : 23 Dec 2022 16:44
 Operator : JC/MD
 Sample : N6188-11
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COL48

Quant Time: Dec 24 03:57:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Dec 24 03:53:16 2022
 Response via : Initial Calibration

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

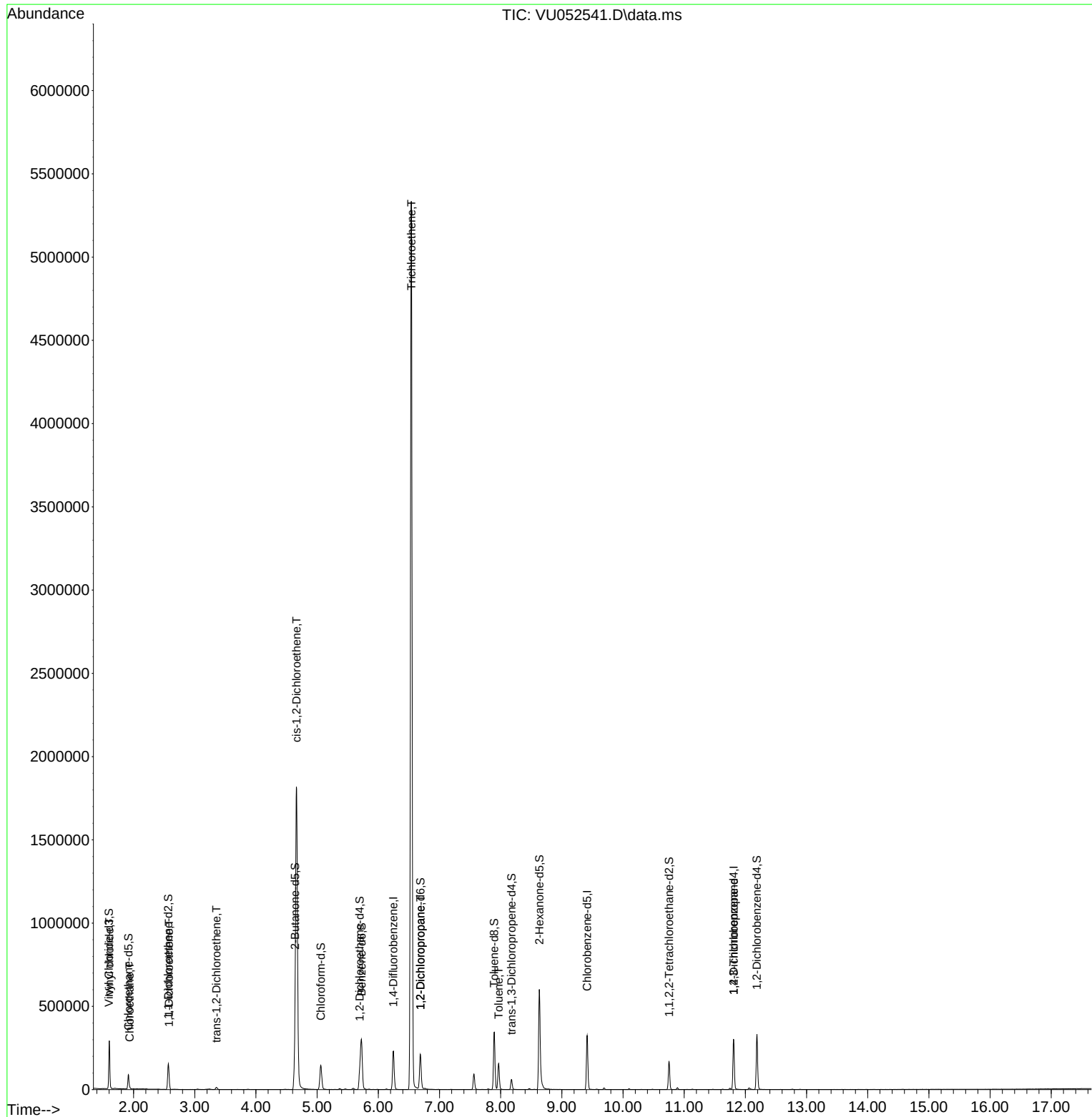
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	177759	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	171148	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	74714	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	65780	3.653	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	73.000%	
7) Chloroethane-d5	1.916	69	63936	4.117	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	82.400%	
11) 1,1-Dichloroethene-d2	2.568	65	29067	3.751	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	75.000%	
20) 2-Butanone-d5	4.639	46	312607	55.977	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	111.960%	
24) Chloroform-d	5.060	84	135757	4.468	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	89.400%	
26) 1,2-Dichloroethane-d4	5.697	65	83665	4.747	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	95.000%	
32) Benzene-d6	5.726	84	279692	4.767	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	95.400%	
36) 1,2-Dichloropropane-d6	6.687	67	102483	5.074	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	101.400%	
41) Toluene-d8	7.893	98	224318	4.554	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	91.000%	
43) trans-1,3-Dichloroprop...	8.176	79	35052	5.068	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	101.400%	
46) 2-Hexanone-d5	8.632	63	211724	55.951	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	111.900%	
56) 1,1,2,2-Tetrachloroeth...	10.751	84	84078	4.903	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	98.000%	
66) 1,2-Dichlorobenzene-d4	12.188	152	83410	5.484	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	109.600%	
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	146093	7.059	ug/L	97
8) Chloroethane	1.935	64	4463	0.315	ug/L	96
12) 1,1-Dichloroethene	2.578	96	4528	0.340	ug/L #	1
18) trans-1,2-Dichloroethene	3.356	96	4962	0.362	ug/L	94
22) cis-1,2-Dichloroethene	4.661	96	863780	57.366	ug/L	96
34) Trichloroethene	6.539	95	1849384	128.327	ug/L	98
37) 1,2-Dichloropropane	6.687	63	10083	0.586	ug/L #	88
42) Toluene	7.967	91	111980	1.895	ug/L	99
61) 1,2,3-Trichloropropane	11.809	75	10146	0.947	ug/L #	67

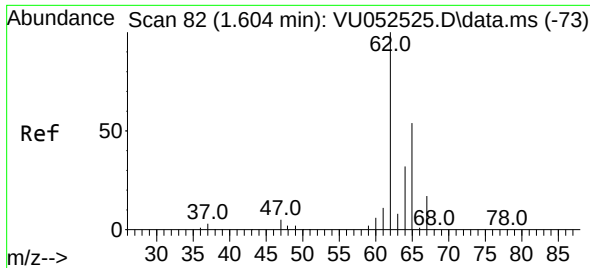
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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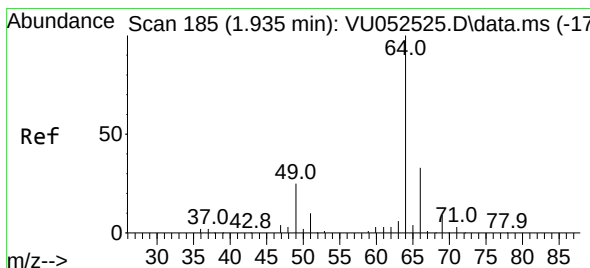
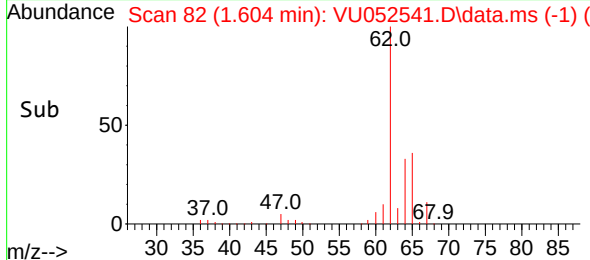
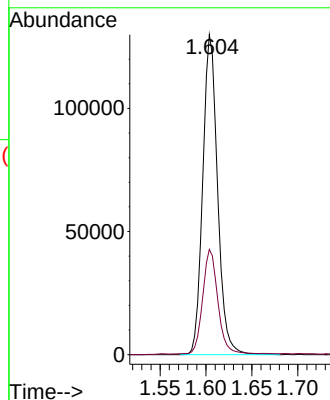
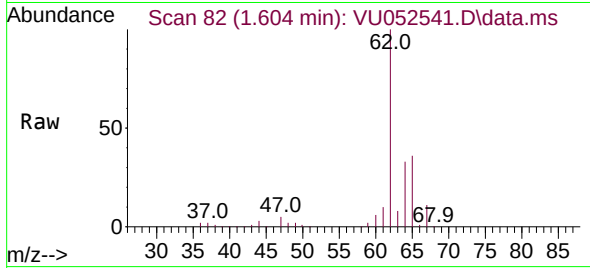




#5
 Vinyl chloride
 Concen: 7.059 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU052541.D
 Acq: 23 Dec 2022 16:44

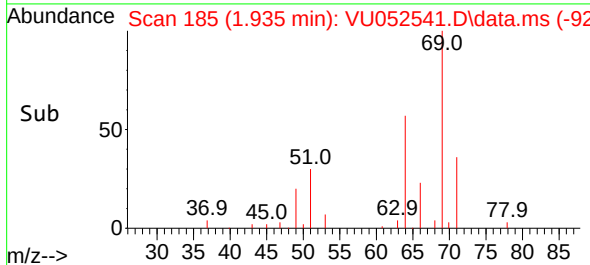
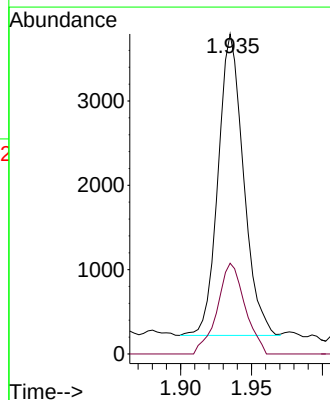
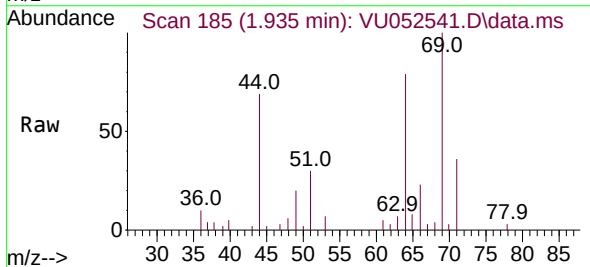
Instrument :
 MSVOA_U
 ClientSampleId :
 COL48

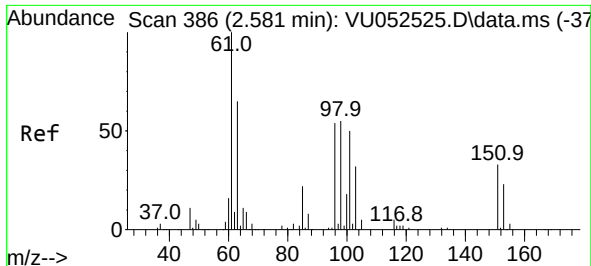
Tgt Ion: 62 Resp: 146093
 Ion Ratio Lower Upper
 62 100
 64 32.9 24.4 45.4



#8
 Chloroethane
 Concen: 0.315 ug/L
 RT: 1.935 min Scan# 185
 Delta R.T. -0.000 min
 Lab File: VU052541.D
 Acq: 23 Dec 2022 16:44

Tgt Ion: 64 Resp: 4463
 Ion Ratio Lower Upper
 64 100
 66 28.3 21.3 39.5





#12

1,1-Dichloroethene

Concen: 0.340 ug/L

RT: 2.578 min Scan# 386

Delta R.T. -0.003 min

Lab File: VU052541.D

Acq: 23 Dec 2022 16:44

Instrument :

MSVOA_U

ClientSampleId :

COL48

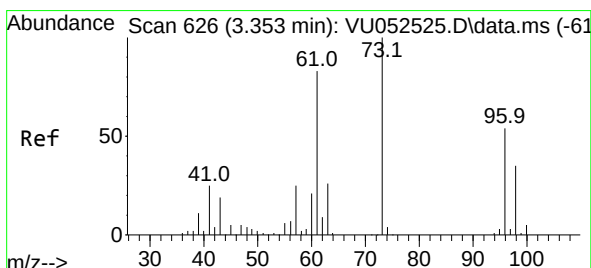
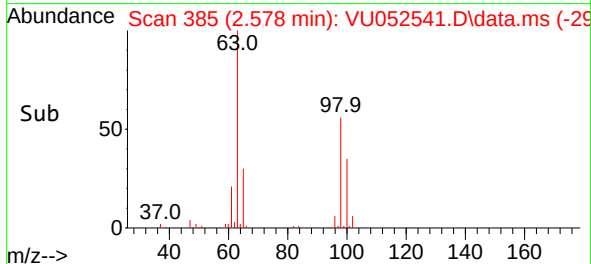
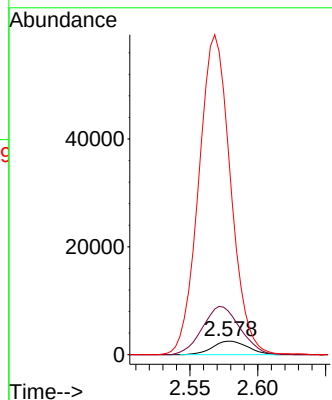
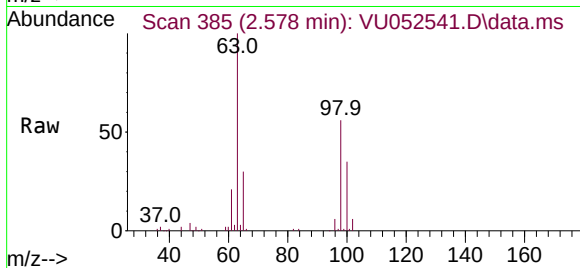
Tgt Ion: 96 Resp: 4528

Ion Ratio Lower Upper

96 100

61 326.7 135.4 251.4#

63 1558.0 95.4 177.2#



#18

trans-1,2-Dichloroethene

Concen: 0.362 ug/L

RT: 3.356 min Scan# 627

Delta R.T. 0.003 min

Lab File: VU052541.D

Acq: 23 Dec 2022 16:44

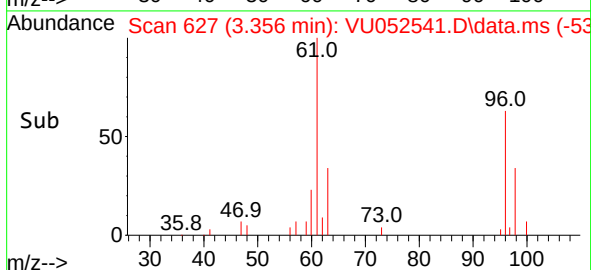
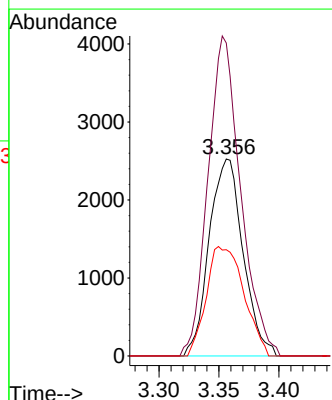
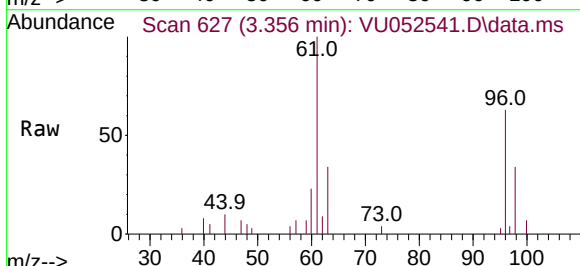
Tgt Ion: 96 Resp: 4962

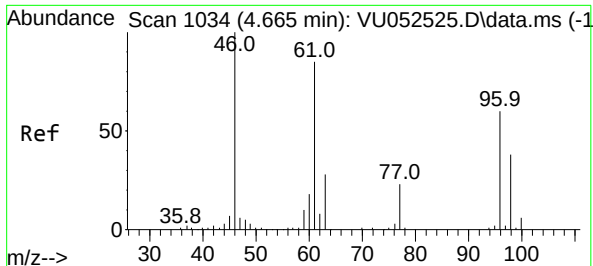
Ion Ratio Lower Upper

96 100

61 158.9 108.3 201.1

98 54.0 44.0 81.6

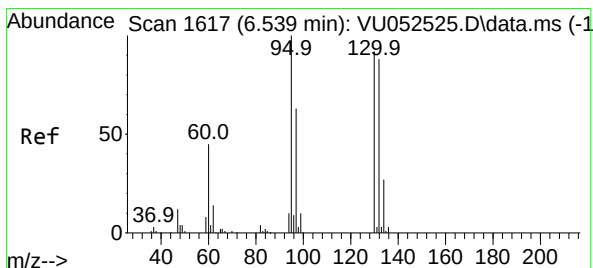
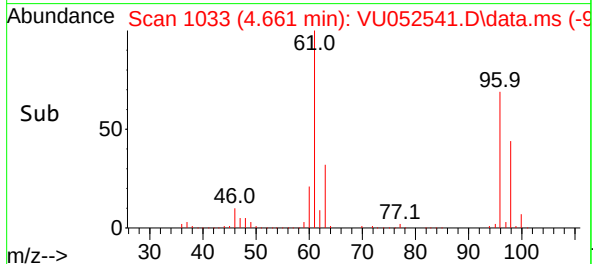
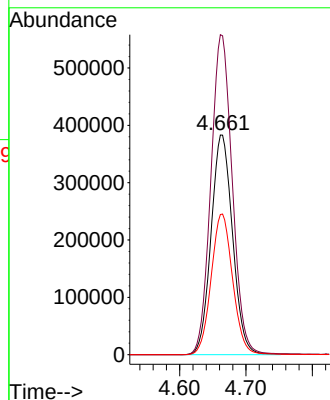
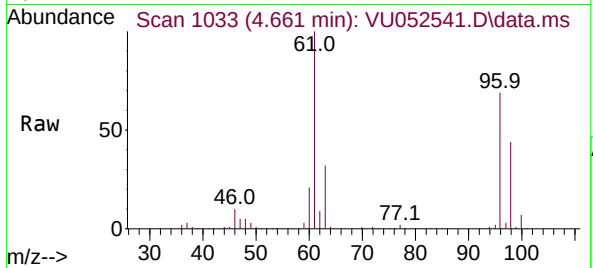




#22
cis-1,2-Dichloroethene
Concen: 57.366 ug/L
RT: 4.661 min Scan# 1034
Delta R.T. -0.003 min
Lab File: VU052541.D
Acq: 23 Dec 2022 16:44

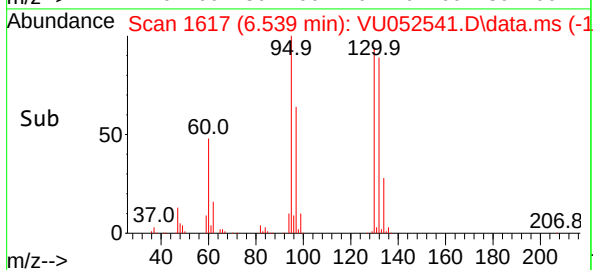
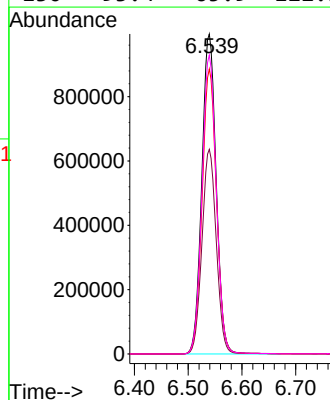
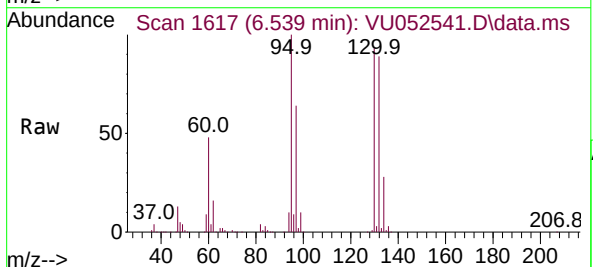
Instrument :
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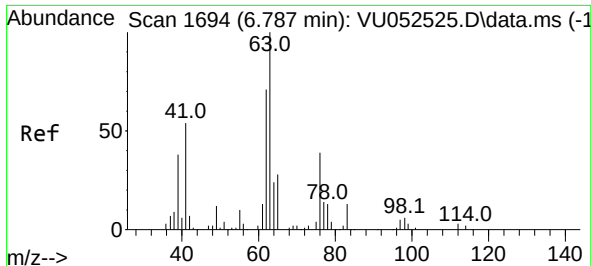
Tgt Ion: 96 Resp: 863780
Ion Ratio Lower Upper
96 100
61 145.7 96.9 180.1
98 63.8 44.7 83.1



#34
Trichloroethene
Concen: 128.327 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU052541.D
Acq: 23 Dec 2022 16:44

Tgt Ion: 95 Resp: 1849384
Ion Ratio Lower Upper
95 100
97 63.9 46.3 86.1
132 89.1 63.9 118.7
130 93.4 65.9 122.5





#37

1,2-Dichloropropane

Concen: 0.586 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU052541.D

Acq: 23 Dec 2022 16:44

Instrument :

MSVOA_U

ClientSampleId :

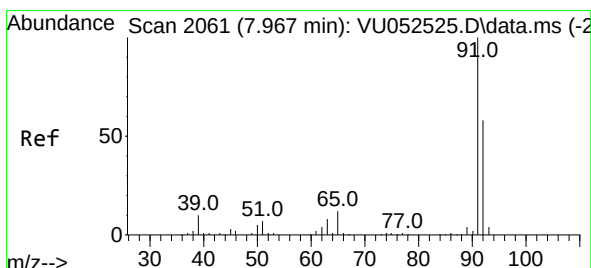
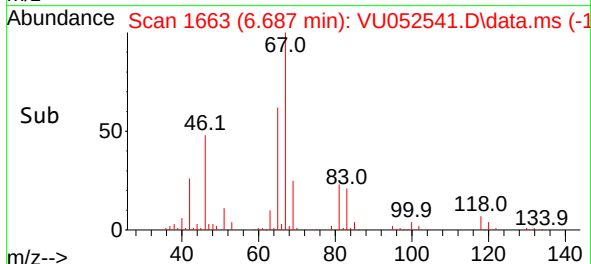
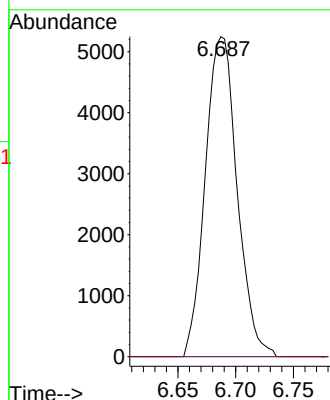
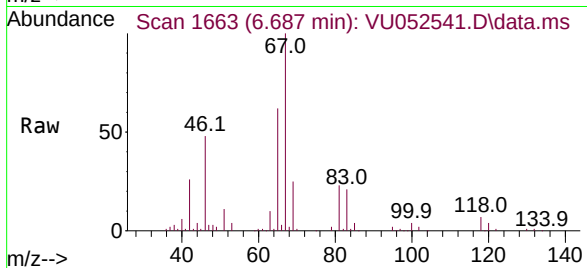
COL48

Tgt Ion: 63 Resp: 10083

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.6#



#42

Toluene

Concen: 1.895 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU052541.D

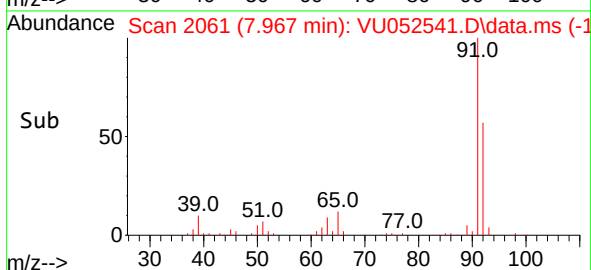
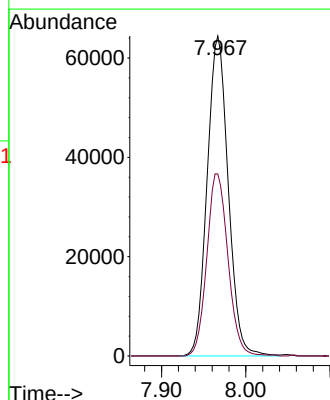
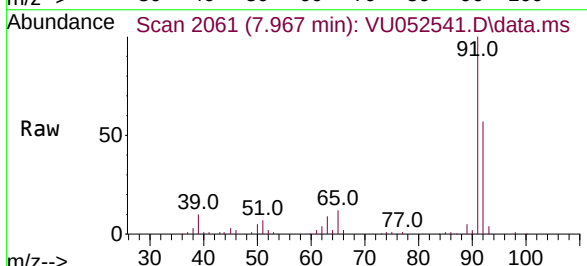
Acq: 23 Dec 2022 16:44

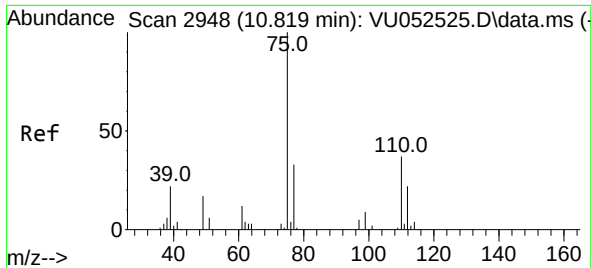
Tgt Ion: 91 Resp: 111980

Ion Ratio Lower Upper

91 100

92 56.9 40.6 75.4





#61

1,2,3-Trichloropropane

Concen: 0.947 ug/L

RT: 11.809 min Scan# 31

Delta R.T. 0.990 min

Lab File: VU052541.D

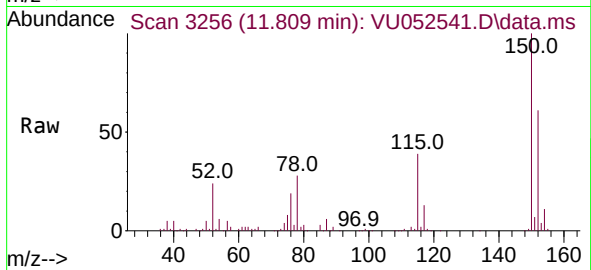
Acq: 23 Dec 2022 16:44

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Tgt Ion: 75 Resp: 10146

Ion Ratio Lower Upper

75 100

110 1.4 27.9 41.9#

77 36.3 25.9 38.9

