

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100224\
 Data File : VU061075.D
 Acq On : 02 Oct 2024 14:47
 Operator : MD/SY
 Sample : P4227-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 03 06:30:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 03 06:26:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	166885	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	154921	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	74645	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	51880	4.348	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.000%
7) Chloroethane-d5	1.911	69	41590	4.657	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.200%
11) 1,1-Dichloroethene-d2	2.564	65	23024	4.374	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.400%
20) 2-Butanone-d5	4.625	46	146429	51.235	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.460%
24) Chloroform-d	5.055	84	98101	4.665	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.400%
26) 1,2-Dichloroethane-d4	5.692	65	54712	4.909	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.200%
32) Benzene-d6	5.718	84	198113	4.850	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.000%
36) 1,2-Dichloropropane-d6	6.682	67	67594	5.039	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.800%
41) Toluene-d8	7.891	98	181382	4.751	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.000%
43) trans-1,3-Dichloroprop...	8.174	79	26965	4.701	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.000%
46) 2-Hexanone-d5	8.628	63	122614	51.646	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.300%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	49572	5.039	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	60284	5.051	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.519	50	1461	0.124	ug/L	97
5) Vinyl chloride	1.602	62	73374	6.222	ug/L	98
12) 1,1-Dichloroethene	2.576	96	6311	0.655	ug/L #	1
17) Methyl tert-butyl Ether	3.358	73	26214	0.951	ug/L #	96
18) trans-1,2-Dichloroethene	3.348	96	31312	2.964	ug/L	94
19) 1,1-Dichloroethane	3.859	63	264079	12.846	ug/L	98
22) cis-1,2-Dichloroethene	4.657	96	722607	61.418	ug/L	94
27) 1,2-Dichloroethane	5.788	62	60025	4.425	ug/L	95
33) Benzene	5.766	78	85196	1.866	ug/L	100
34) Trichloroethene	6.541	95	4216	0.341	ug/L	89
37) 1,2-Dichloropropane	6.682	63	6943	0.577	ug/L #	93
51) Chlorobenzene	9.441	112	65745	2.218	ug/L	93
61) 1,2,3-Trichloropropane	11.737	75	20382	2.780	ug/L #	49
64) 1,3-Dichlorobenzene	11.740	146	55421	2.590	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	331257	15.660	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	5948	0.301	ug/L	90
69) 1,3,5-Trichlorobenzene	13.846	180	4012	0.266	ug/L	94
70) 1,2,4-trichlorobenzene	13.846	180	4012	0.347	ug/L	90

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Oct 03 06:26:52 2024
Response via : Initial Calibration

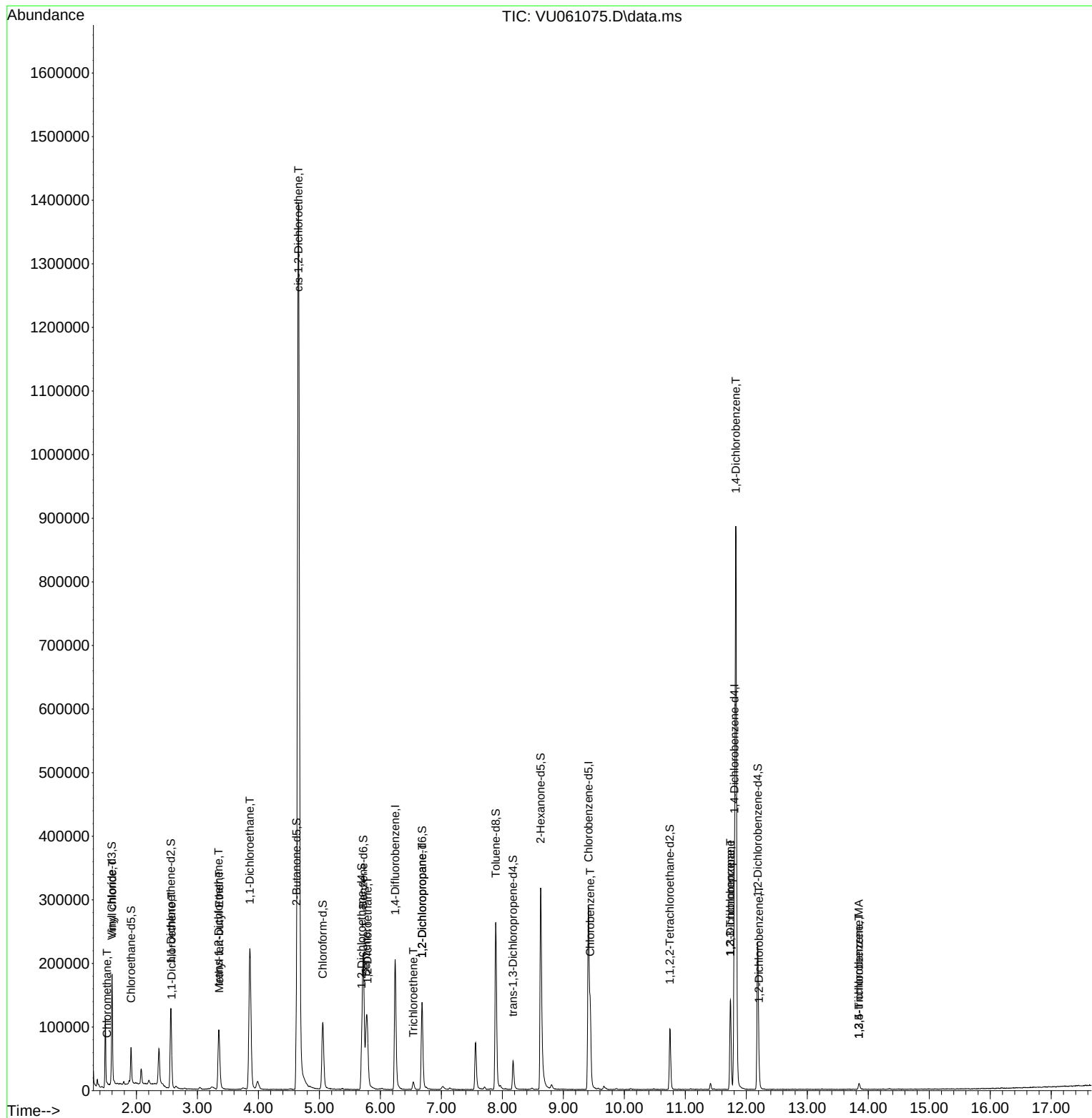
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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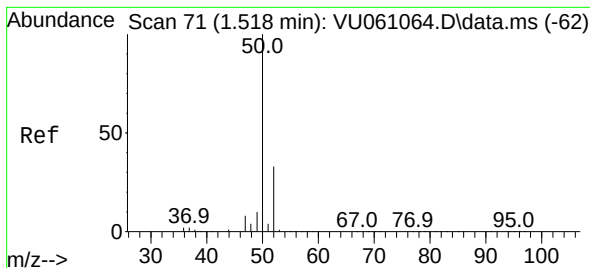
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.124 ug/L

RT: 1.519 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU061075.D

Acq: 02 Oct 2024 14:47

Instrument :

MSVOA_U

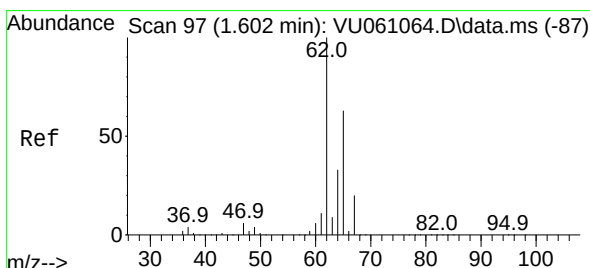
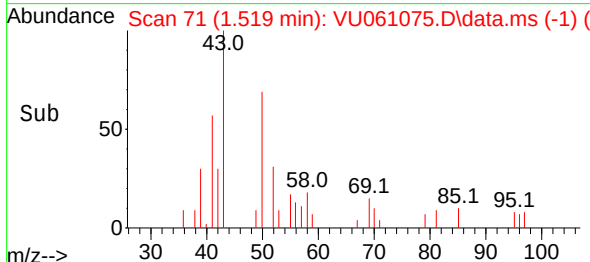
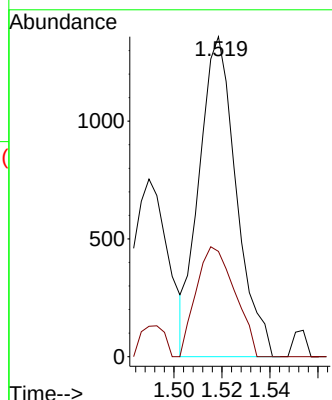
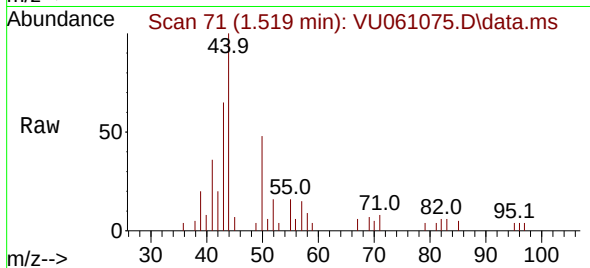
ClientSampleId :

Tgt Ion: 50 Resp: 1461

Ion Ratio Lower Upper

50 100

52 32.9 24.4 45.4



#5

Vinyl chloride

Concen: 6.222 ug/L

RT: 1.602 min Scan# 97

Delta R.T. 0.000 min

Lab File: VU061075.D

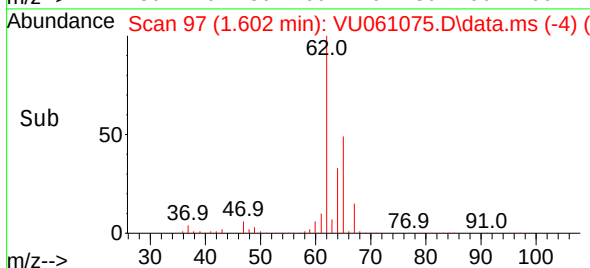
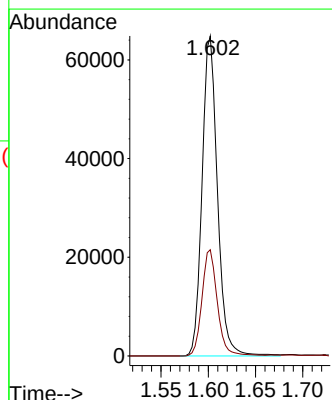
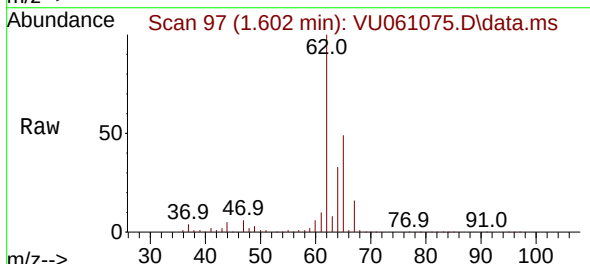
Acq: 02 Oct 2024 14:47

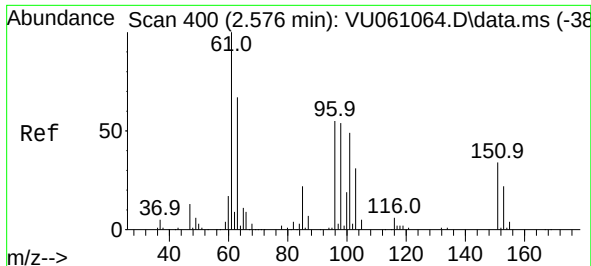
Tgt Ion: 62 Resp: 73374

Ion Ratio Lower Upper

62 100

64 33.2 24.0 44.6





#12

1,1-Dichloroethene

Concen: 0.655 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.000 min

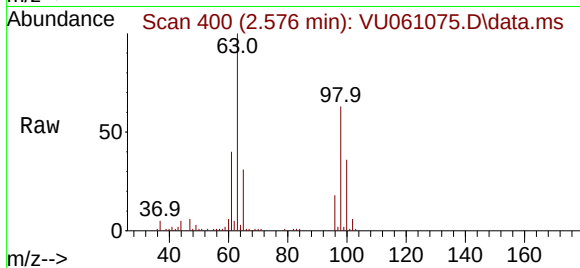
Lab File: VU061075.D

Acq: 02 Oct 2024 14:47

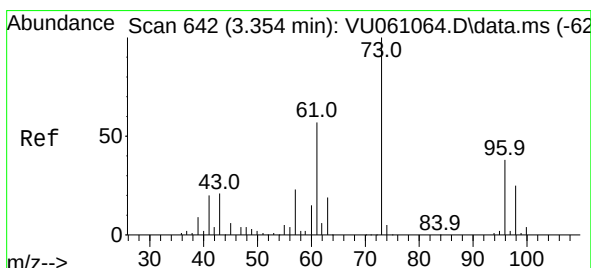
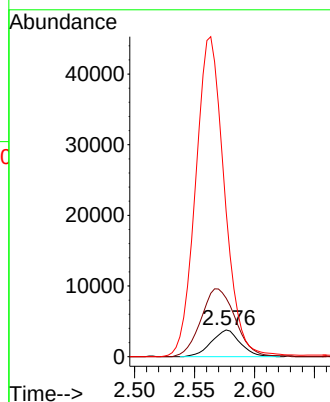
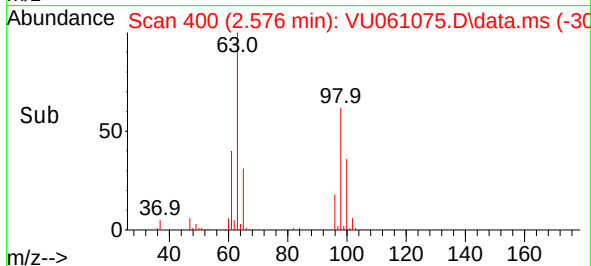
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	96	Resp:	6311
Ion	Ratio	Lower	Upper
96	100		
61	219.6	120.7	224.1
63	546.3	90.0	167.2#



#17

Methyl tert-butyl Ether

Concen: 0.951 ug/L

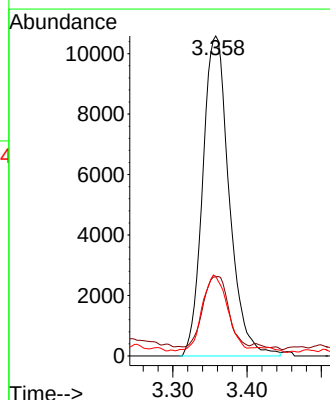
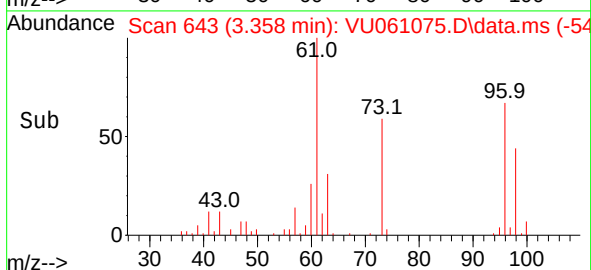
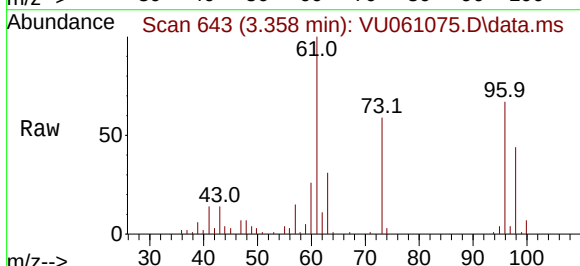
RT: 3.358 min Scan# 643

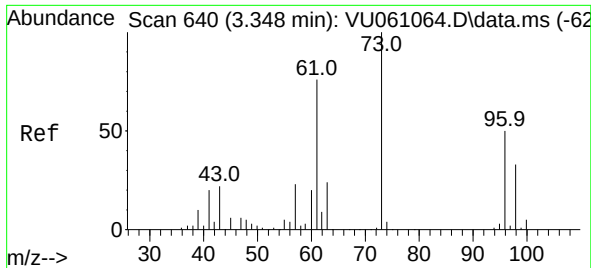
Delta R.T. 0.003 min

Lab File: VU061075.D

Acq: 02 Oct 2024 14:47

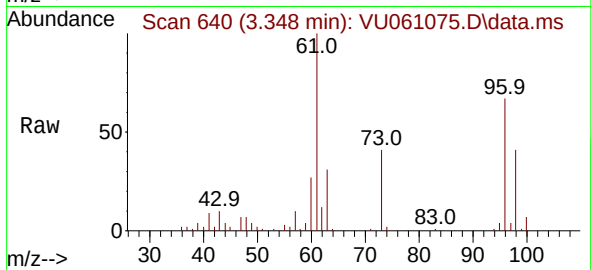
Tgt Ion:	73	Resp:	26214
Ion	Ratio	Lower	Upper
73	100		
43	21.0	13.8	20.8#
57	22.5	18.0	27.0



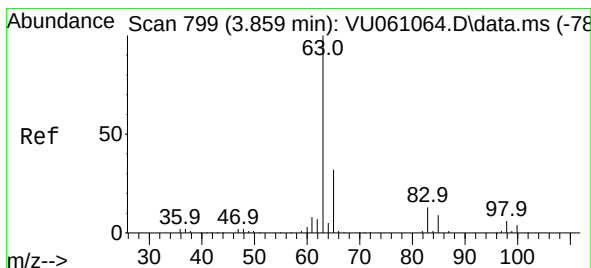
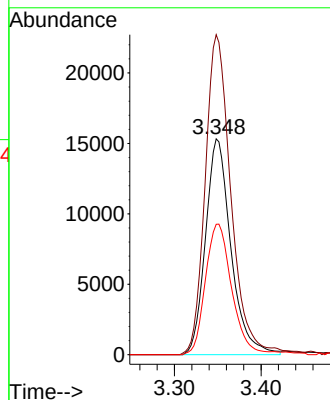
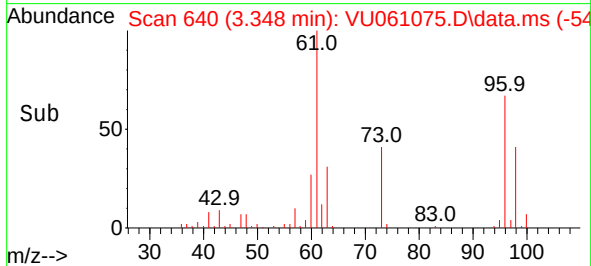


#18
trans-1,2-Dichloroethene
Concen: 2.964 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU061075.D
Acq: 02 Oct 2024 14:47

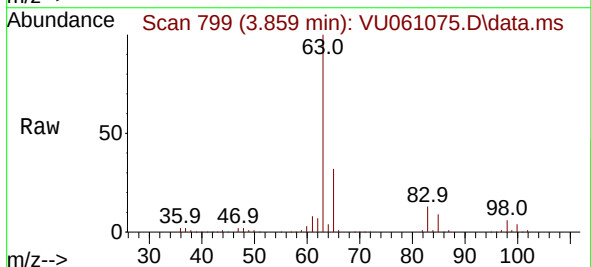
Instrument :
MSVOA_U
ClientSampleId :



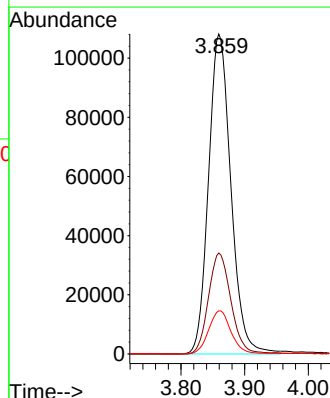
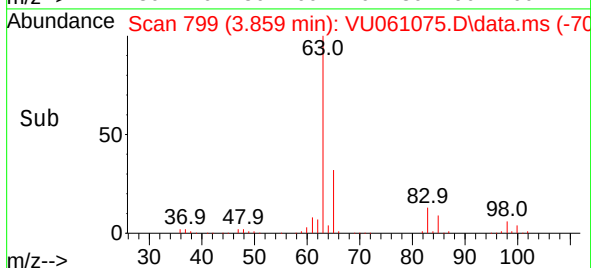
Tgt Ion: 96 Resp: 31312
Ion Ratio Lower Upper
96 100
61 148.3 97.2 180.6
98 60.4 43.3 80.5

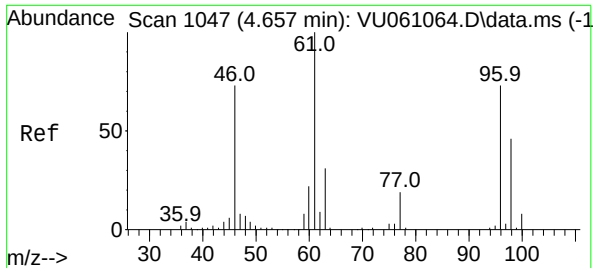


#19
1,1-Dichloroethane
Concen: 12.846 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.000 min
Lab File: VU061075.D
Acq: 02 Oct 2024 14:47



Tgt Ion: 63 Resp: 264079
Ion Ratio Lower Upper
63 100
65 31.5 23.0 42.8
83 13.5 9.0 16.6

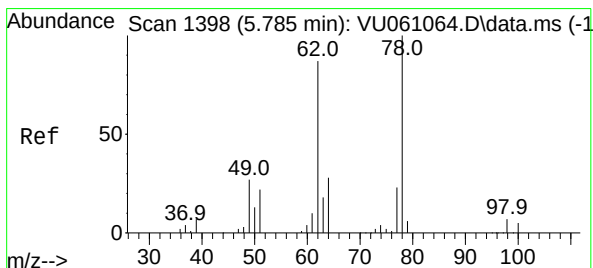
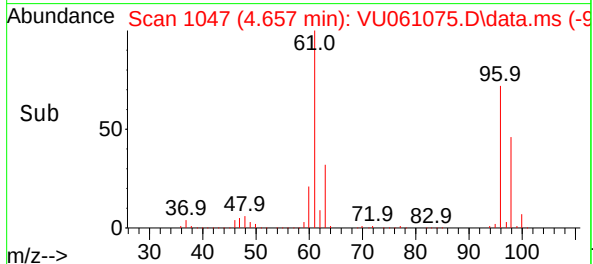
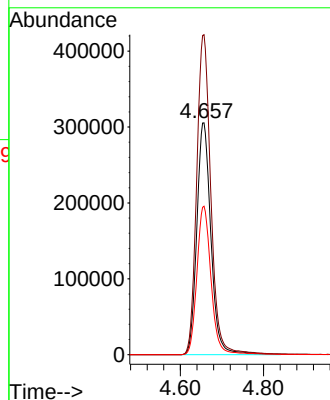
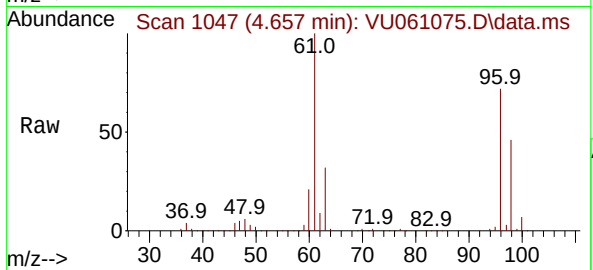




#22
 cis-1,2-Dichloroethene
 Concen: 61.418 ug/L
 RT: 4.657 min Scan# 1047
 Delta R.T. 0.000 min
 Lab File: VU061075.D
 Acq: 02 Oct 2024 14:47

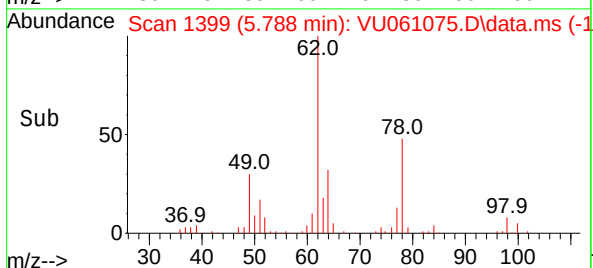
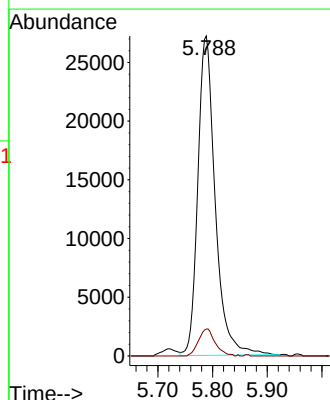
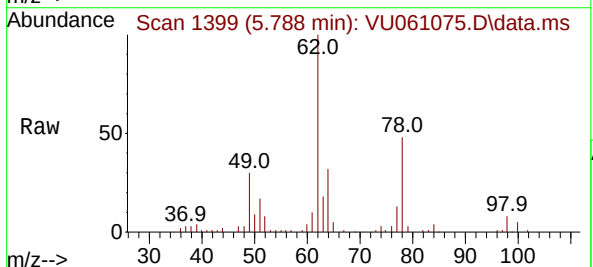
Instrument :
 MSVOA_U
 ClientSampleId :

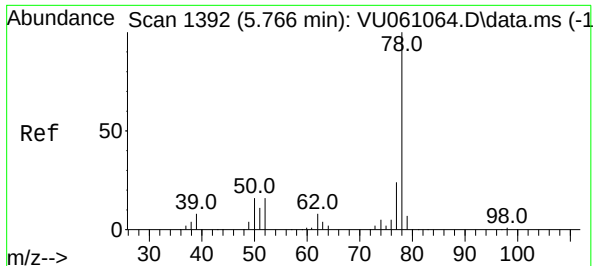
Tgt Ion: 96 Resp: 722607
 Ion Ratio Lower Upper
 96 100
 61 138.0 89.7 166.5
 98 64.0 45.1 83.9



#27
 1,2-Dichloroethane
 Concen: 4.425 ug/L
 RT: 5.788 min Scan# 1399
 Delta R.T. 0.003 min
 Lab File: VU061075.D
 Acq: 02 Oct 2024 14:47

Tgt Ion: 62 Resp: 60025
 Ion Ratio Lower Upper
 62 100
 98 8.4 8.2 12.4





#33

Benzene

Concen: 1.866 ug/L

RT: 5.766 min Scan# 1392

Delta R.T. 0.000 min

Lab File: VU061075.D

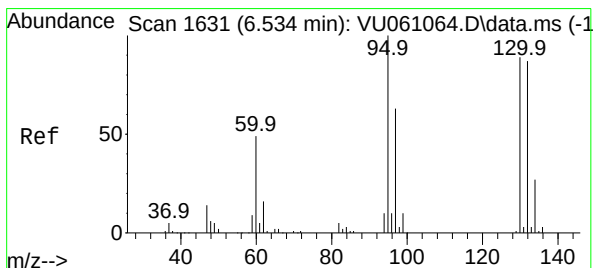
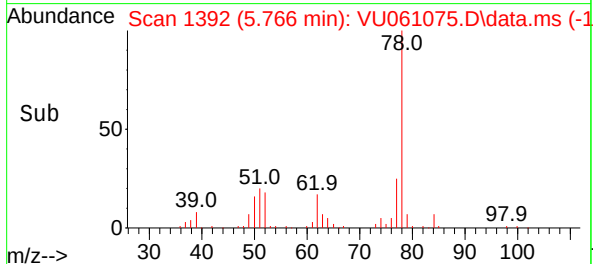
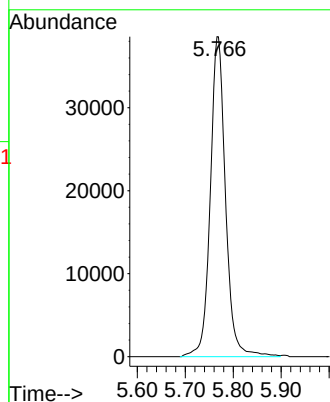
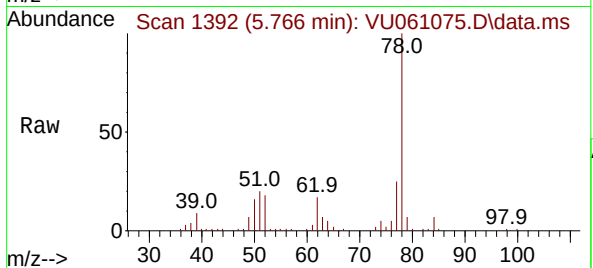
Acq: 02 Oct 2024 14:47

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 78 Resp: 85196



#34

Trichloroethene

Concen: 0.341 ug/L

RT: 6.541 min Scan# 1633

Delta R.T. 0.006 min

Lab File: VU061075.D

Acq: 02 Oct 2024 14:47

Tgt Ion: 95 Resp: 4216

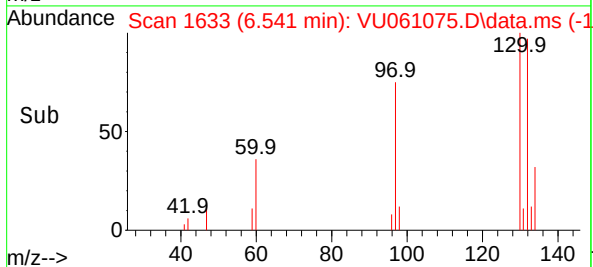
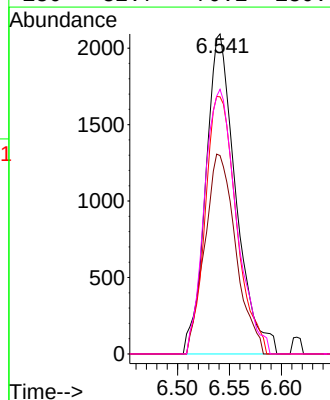
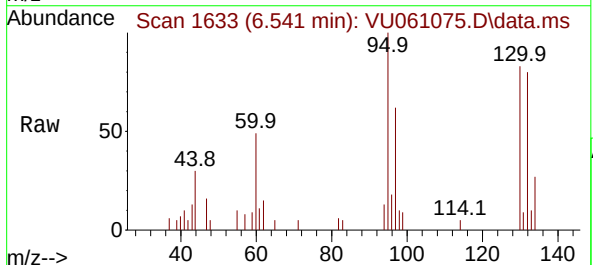
Ion Ratio Lower Upper

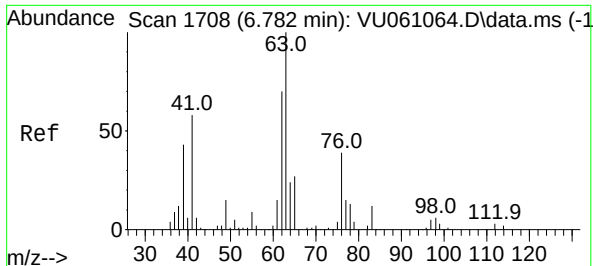
95 100

97 62.0 44.9 83.5

132 80.4 63.5 117.9

130 82.7 70.2 130.4

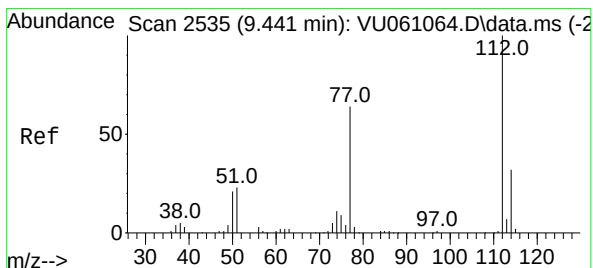
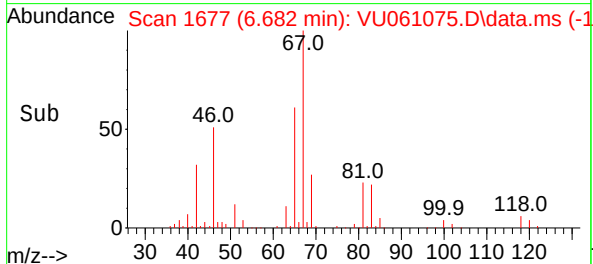
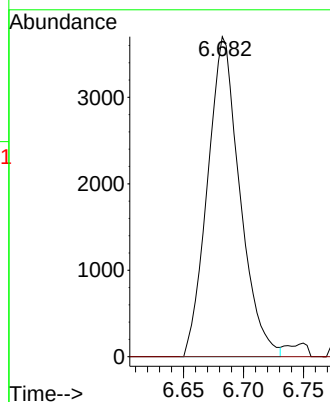
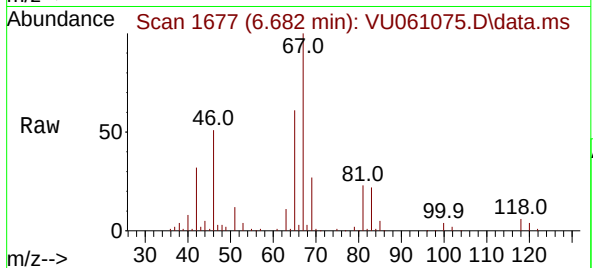




#37
1,2-Dichloropropane
Concen: 0.577 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU061075.D
Acq: 02 Oct 2024 14:47

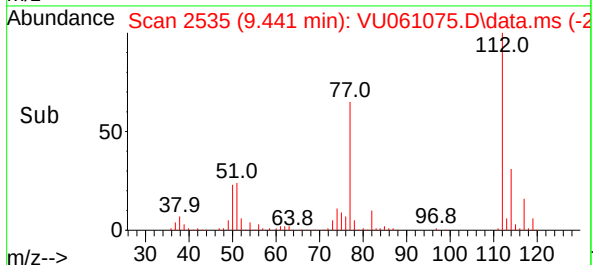
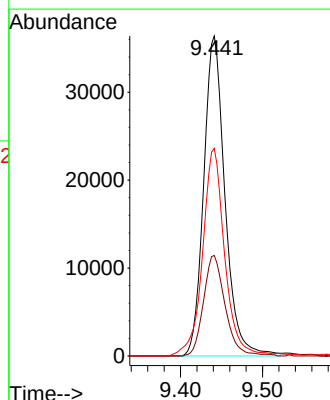
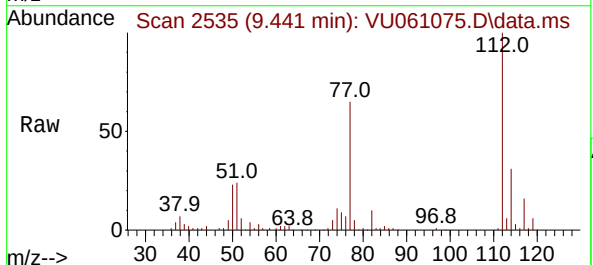
Instrument :
MSVOA_U
ClientSampleId :

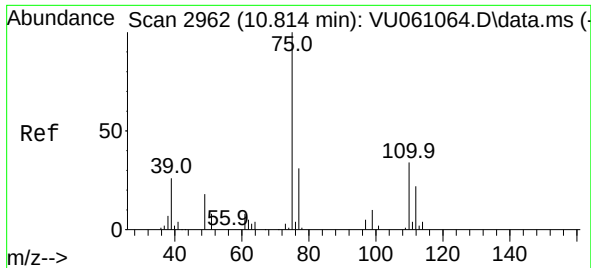
Tgt Ion: 63 Resp: 6943
Ion Ratio Lower Upper
63 100
112 0.0 2.0 3.0#



#51
Chlorobenzene
Concen: 2.218 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU061075.D
Acq: 02 Oct 2024 14:47

Tgt Ion: 112 Resp: 65745
Ion Ratio Lower Upper
112 100
114 31.4 22.2 41.2
77 64.9 46.1 69.1





#61

1,2,3-Trichloropropane

Concen: 2.780 ug/L

RT: 11.737 min Scan# 31

Delta R.T. 0.923 min

Lab File: VU061075.D

Acq: 02 Oct 2024 14:47

Instrument :

MSVOA_U

ClientSampleId :

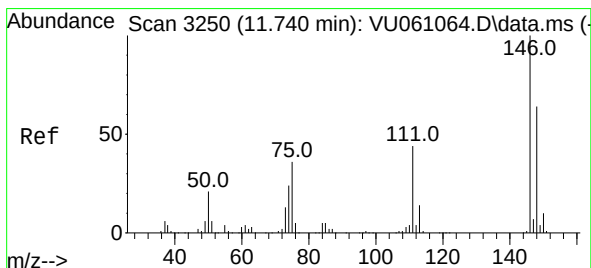
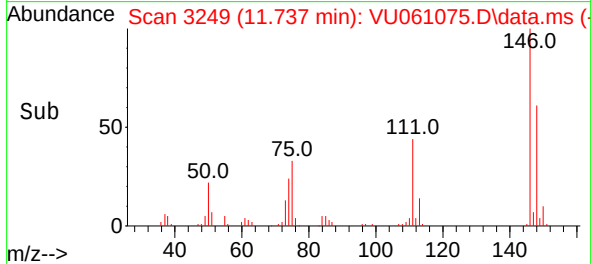
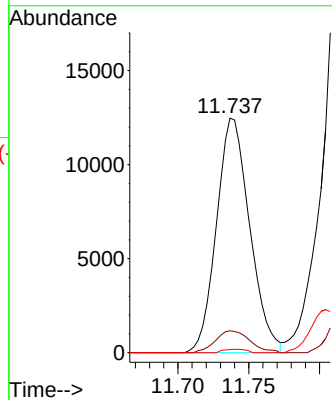
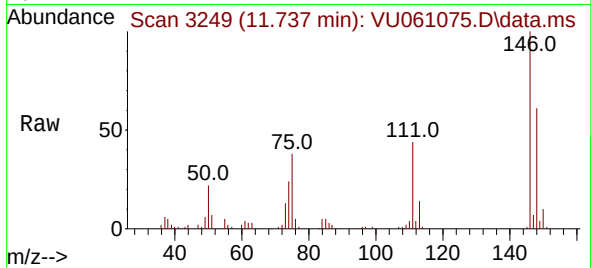
Tgt Ion: 75 Resp: 20382

Ion Ratio Lower Upper

75 100

110 9.7 28.6 43.0#

77 0.0 26.3 39.5#



#64

1,3-Dichlorobenzene

Concen: 2.590 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. 0.000 min

Lab File: VU061075.D

Acq: 02 Oct 2024 14:47

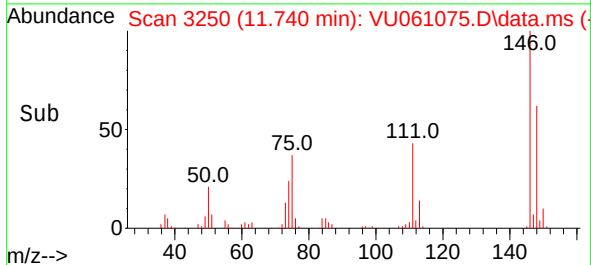
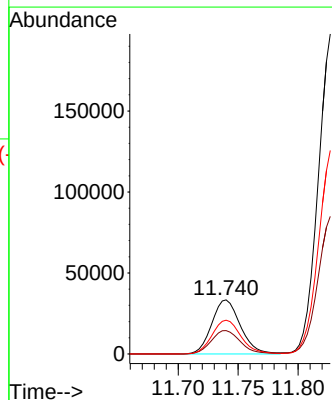
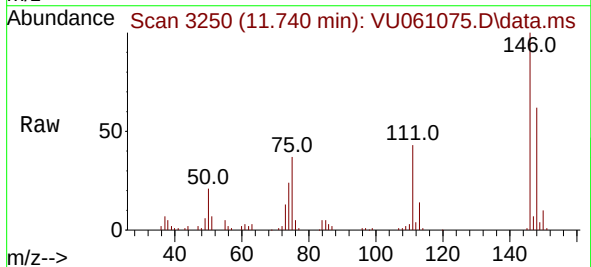
Tgt Ion:146 Resp: 55421

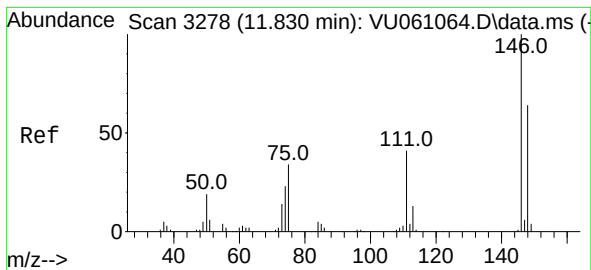
Ion Ratio Lower Upper

146 100

111 43.3 27.5 51.1

148 62.4 43.7 81.1





#65

1,4-Dichlorobenzene

Concen: 15.660 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU061075.D

Acq: 02 Oct 2024 14:47

Instrument :

MSVOA_U

ClientSampleId :

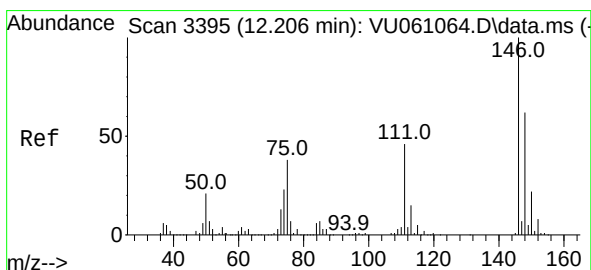
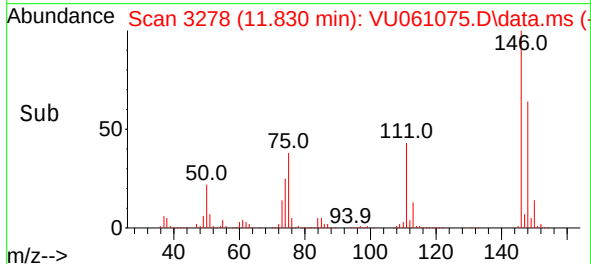
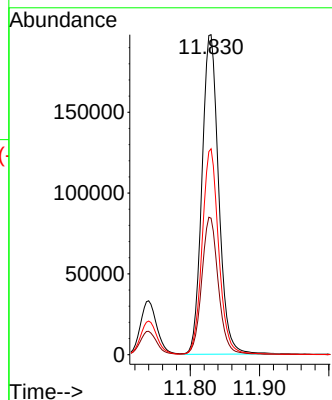
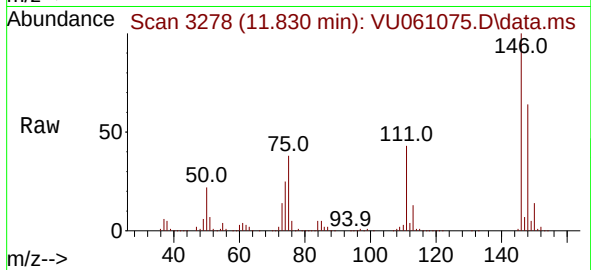
Tgt Ion:146 Resp: 331257

Ion Ratio Lower Upper

146 100

111 42.7 26.3 48.9

148 64.4 45.3 84.1



#67

1,2-Dichlorobenzene

Concen: 0.301 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU061075.D

Acq: 02 Oct 2024 14:47

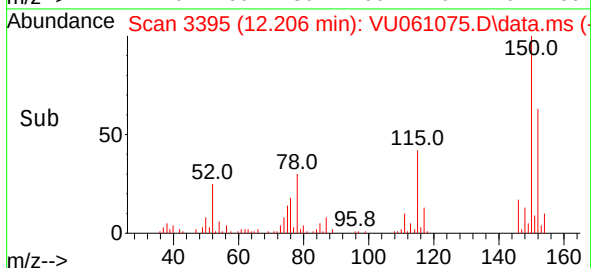
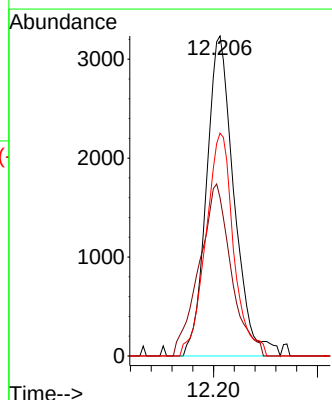
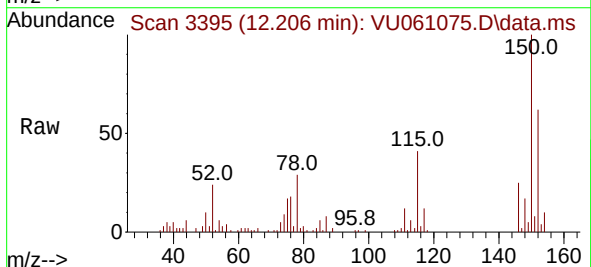
Tgt Ion:146 Resp: 5948

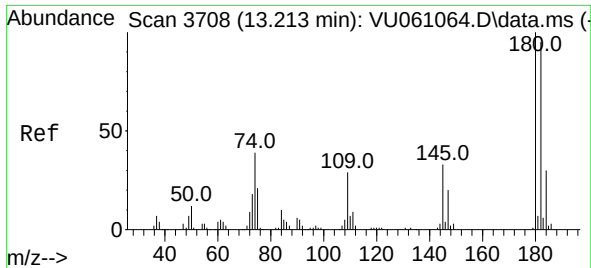
Ion Ratio Lower Upper

146 100

111 49.5 33.4 50.0

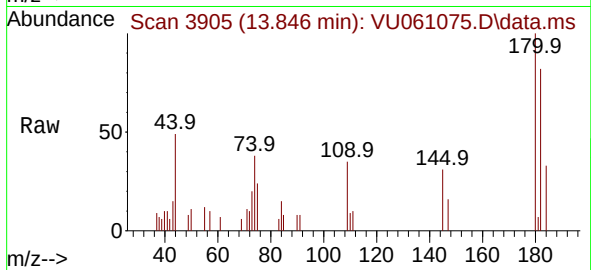
148 69.6 50.9 76.3



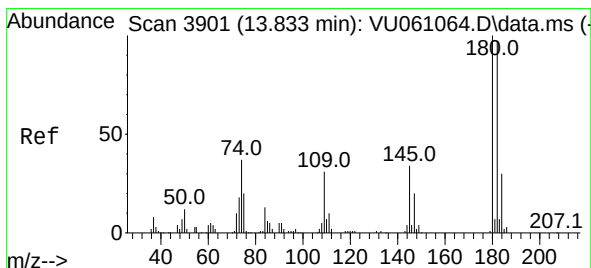
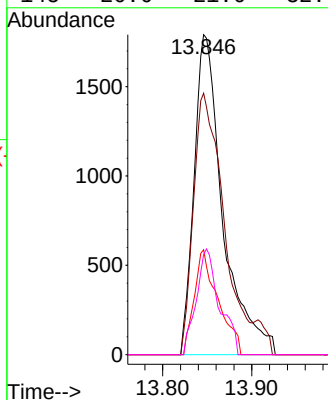
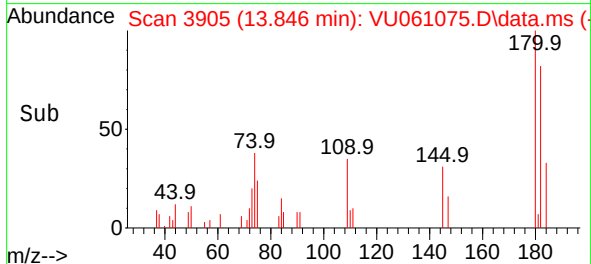


#69
 1,3,5-Trichlorobenzene
 Concen: 0.266 ug/L
 RT: 13.846 min Scan# 3905
 Delta R.T. 0.633 min
 Lab File: VU061075.D
 Acq: 02 Oct 2024 14:47

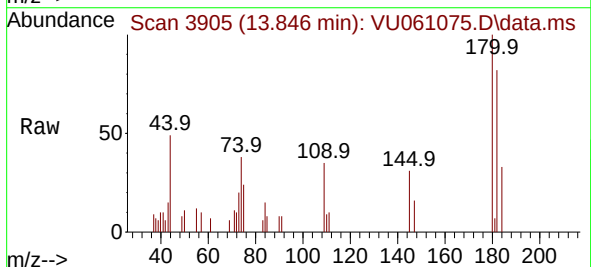
Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:180 Resp: 4012
 Ion Ratio Lower Upper
 180 100
 182 85.6 74.5 111.7
 184 27.3 23.2 34.8
 145 26.6 21.6 32.4



#70
 1,2,4-trichlorobenzene
 Concen: 0.347 ug/L
 RT: 13.846 min Scan# 3905
 Delta R.T. 0.013 min
 Lab File: VU061075.D
 Acq: 02 Oct 2024 14:47



Tgt Ion:180 Resp: 4012
 Ion Ratio Lower Upper
 180 100
 182 85.6 77.4 116.2
 145 26.6 22.9 34.3

