

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122123\
 Data File : VU057149.D
 Acq On : 21 Dec 2023 21:14
 Operator : MD/SY
 Sample : 05894-11
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 21 23:34:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 21 23:30:13 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	163368	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	160496	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	72177	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	77377	4.955	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	99.200%	
7) Chloroethane-d5	1.914	69	65739	5.115	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	102.200%	
11) 1,1-Dichloroethene-d2	2.563	65	32588	4.817	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	96.400%	
20) 2-Butanone-d5	4.624	46	139852	57.044	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	114.080%	
24) Chloroform-d	5.055	84	149059	4.943	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	98.800%	
26) 1,2-Dichloroethane-d4	5.695	65	75805	5.275	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	105.400%	
32) Benzene-d6	5.721	84	270669	4.917	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	98.400%	
36) 1,2-Dichloropropane-d6	6.685	67	79625	5.083	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	101.600%	
41) Toluene-d8	7.894	98	233419	4.644	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	92.800%	
43) trans-1,3-Dichloroprop...	8.177	79	30442	4.668	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	93.400%	
46) 2-Hexanone-d5	8.627	63	115887	52.196	ug/L	-0.03
Spiked Amount	50.000	Range 45 - 130	Recovery	=	104.400%	
56) 1,1,2,2-Tetrachloroeth...	10.749	84	58221	5.223	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	104.400%	
66) 1,2-Dichlorobenzene-d4	12.187	152	80996	5.215	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	104.400%	
Target Compounds						
5) Vinyl chloride	1.602	62	11384	0.797	ug/L	98
12) 1,1-Dichloroethene	2.576	96	8792	0.720	ug/L #	1
19) 1,1-Dichloroethane	3.862	63	118620	5.018	ug/L	100
22) cis-1,2-Dichloroethene	4.660	96	185061	14.109	ug/L	99
29) 1,1,1-Trichloroethane	5.312	97	52056	2.041	ug/L	99
31) Carbon tetrachloride	5.316	117	6297	0.281	ug/L	99
33) Benzene	5.772	78	11099	0.218	ug/L	100
34) Trichloroethene	6.537	95	450483	30.277	ug/L	98
35) Methylcyclohexane	6.685	83	20604	1.052	ug/L #	19
37) 1,2-Dichloropropane	6.685	63	10037	0.793	ug/L #	89
47) Tetrachloroethene	8.553	164	3836	0.360	ug/L	84
48) 2-Hexanone	8.627	43	14018	3.463	ug/L #	75
49) Dibromochloromethane	8.553	129	4031	0.356	ug/L #	10
51) Chlorobenzene	9.441	112	919610	26.204	ug/L	99
64) 1,3-Dichlorobenzene	11.746	146	4241	0.169	ug/L	88
65) 1,4-Dichlorobenzene	11.830	146	32469	1.282	ug/L	96
67) 1,2-Dichlorobenzene	12.206	146	30844	1.371	ug/L	95

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Dec 21 23:30:13 2023
Response via : Initial Calibration

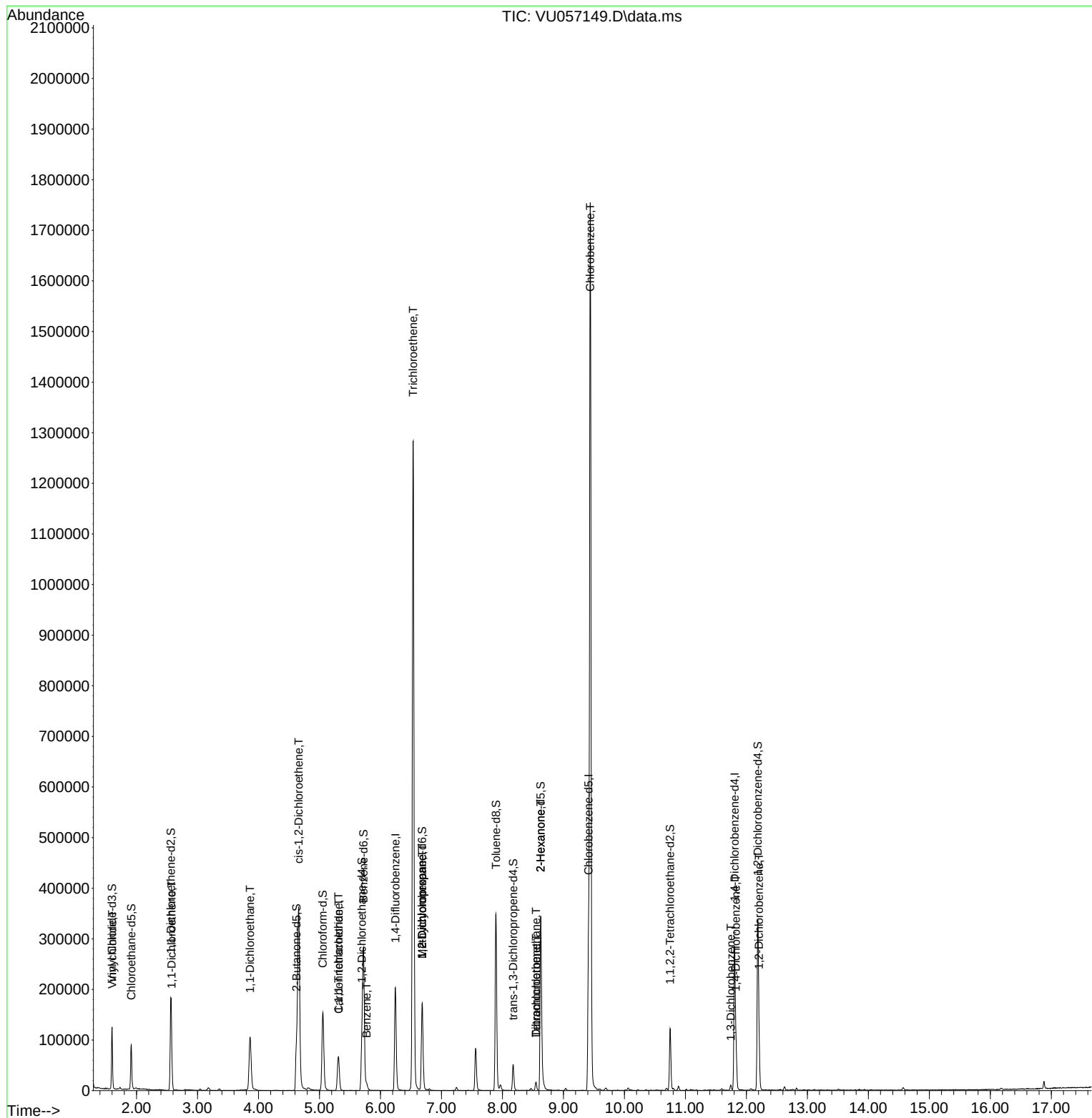
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

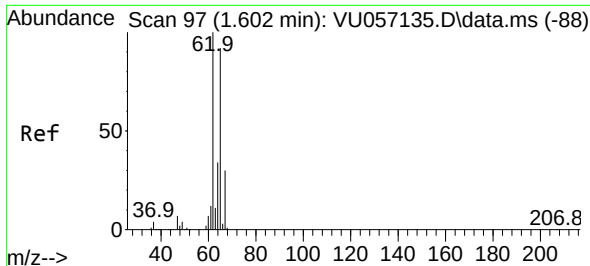
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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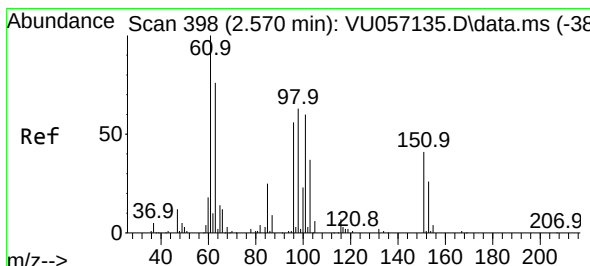
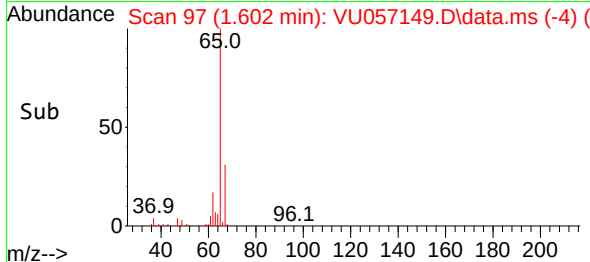
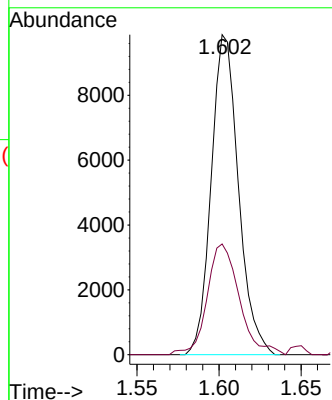
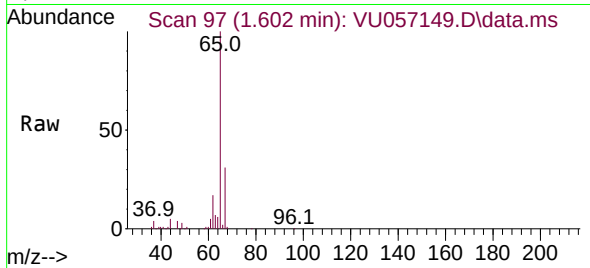




#5
 Vinyl chloride
 Concen: 0.797 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU057149.D
 Acq: 21 Dec 2023 21:14

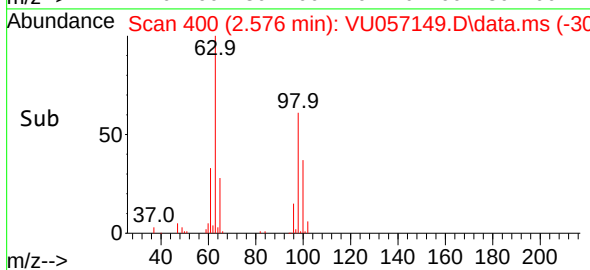
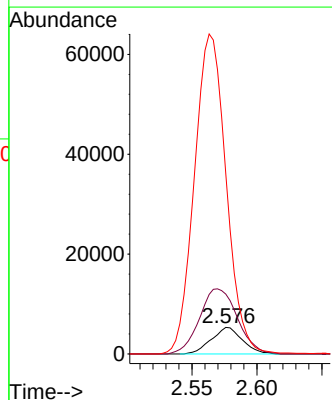
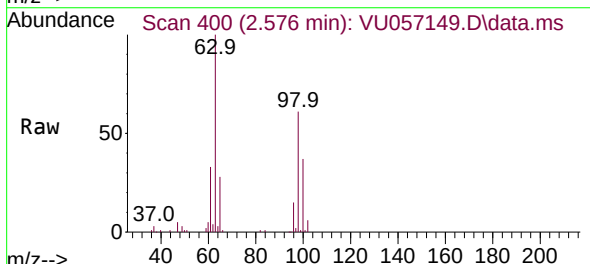
Instrument :
 MSVOA_U
 ClientSampleId :

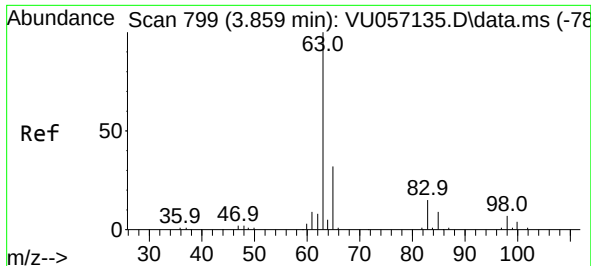
Tgt Ion: 62 Resp: 11384
 Ion Ratio Lower Upper
 62 100
 64 34.6 23.3 43.3



#12
 1,1-Dichloroethene
 Concen: 0.720 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.006 min
 Lab File: VU057149.D
 Acq: 21 Dec 2023 21:14

Tgt Ion: 96 Resp: 8792
 Ion Ratio Lower Upper
 96 100
 61 225.4 119.6 222.0#
 63 677.9 96.2 178.8#





#19

1,1-Dichloroethane

Concen: 5.018 ug/L

RT: 3.862 min Scan# 80

Delta R.T. 0.003 min

Lab File: VU057149.D

Acq: 21 Dec 2023 21:14

Instrument :

MSVOA_U

ClientSampleId :

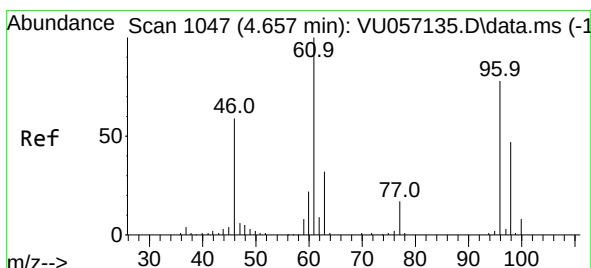
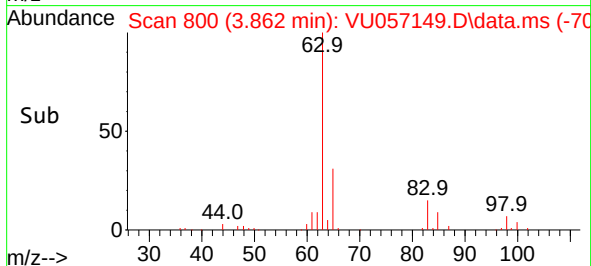
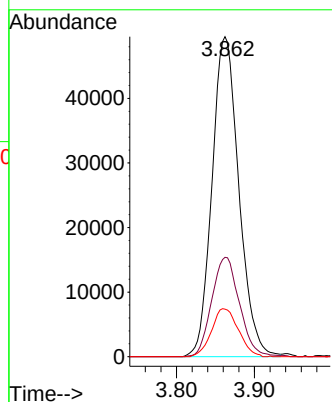
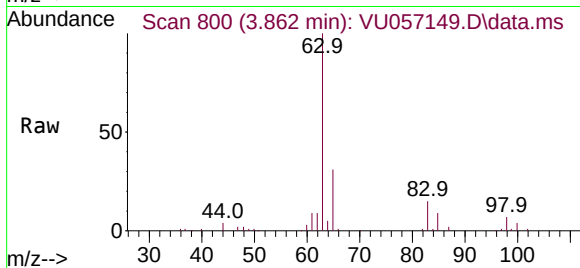
Tgt Ion: 63 Resp: 118620

Ion Ratio Lower Upper

63 100

65 31.0 21.6 40.2

83 14.9 10.2 19.0



#22

cis-1,2-Dichloroethene

Concen: 14.109 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. 0.003 min

Lab File: VU057149.D

Acq: 21 Dec 2023 21:14

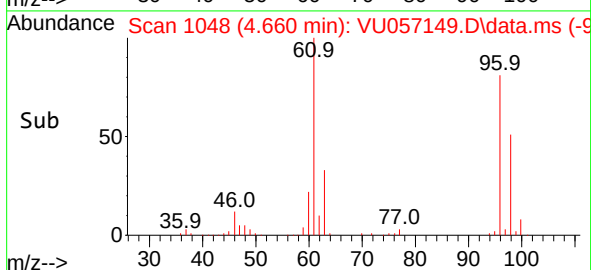
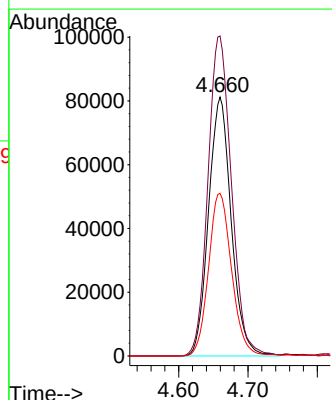
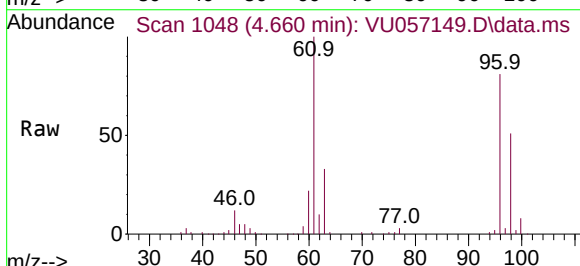
Tgt Ion: 96 Resp: 185061

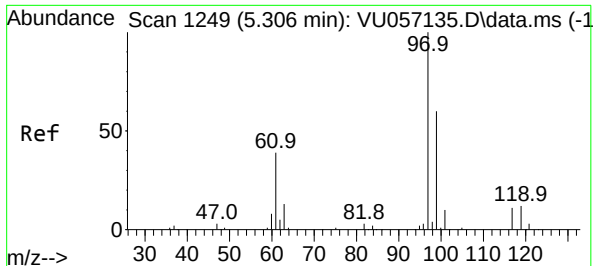
Ion Ratio Lower Upper

96 100

61 123.6 86.8 161.2

98 62.8 45.5 84.5





#29

1,1,1-Trichloroethane

Concen: 2.041 ug/L

RT: 5.312 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU057149.D

Acq: 21 Dec 2023 21:14

Instrument :

MSVOA_U

ClientSampleId :

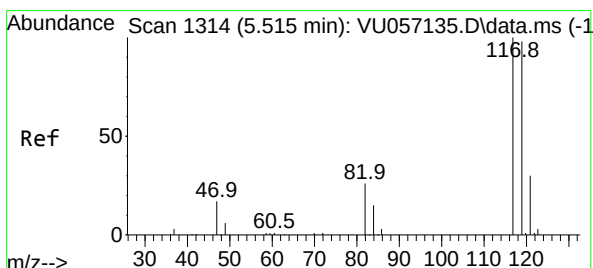
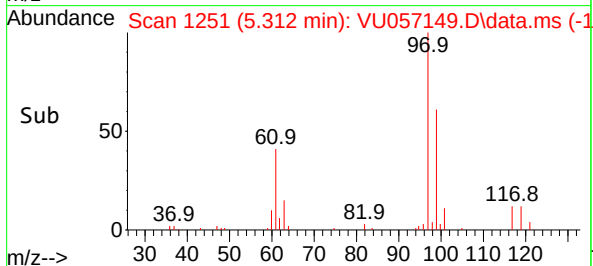
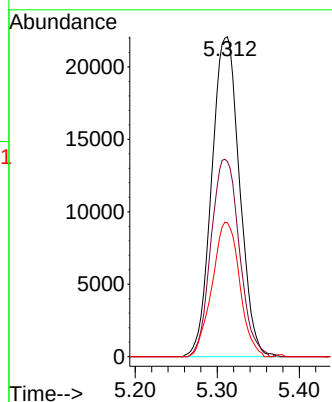
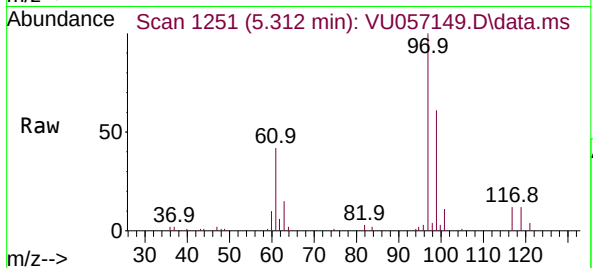
Tgt Ion: 97 Resp: 52056

Ion Ratio Lower Upper

97 100

99 62.9 51.2 76.8

61 41.5 32.5 48.7



#31

Carbon tetrachloride

Concen: 0.281 ug/L

RT: 5.316 min Scan# 1252

Delta R.T. -0.200 min

Lab File: VU057149.D

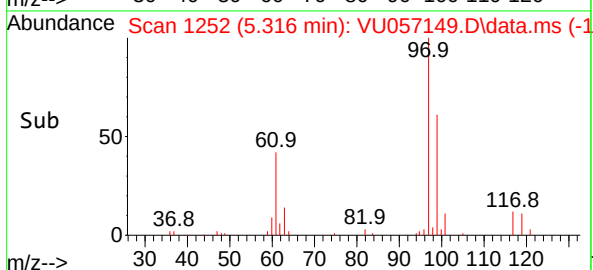
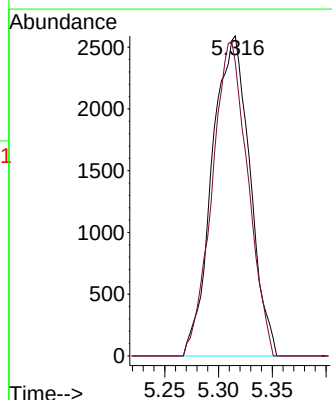
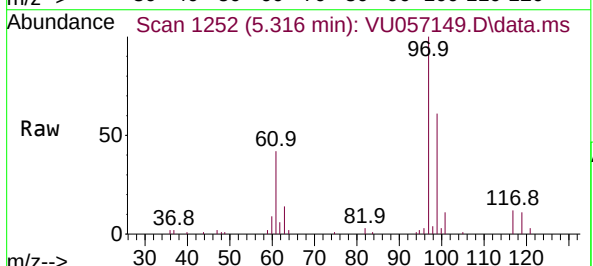
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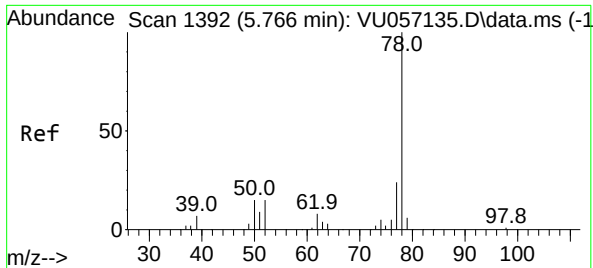
Tgt Ion: 117 Resp: 6297

Ion Ratio Lower Upper

117 100

119 93.0 75.1 112.7

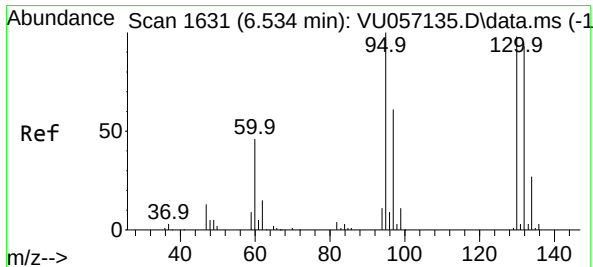
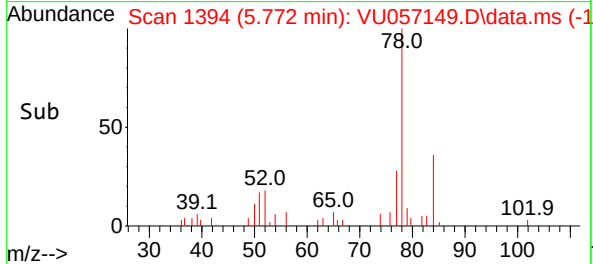
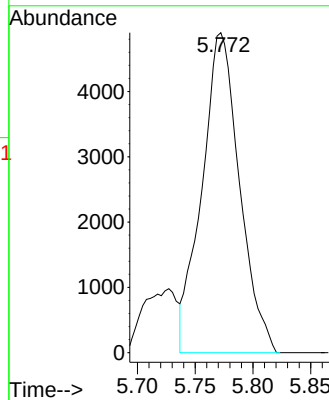
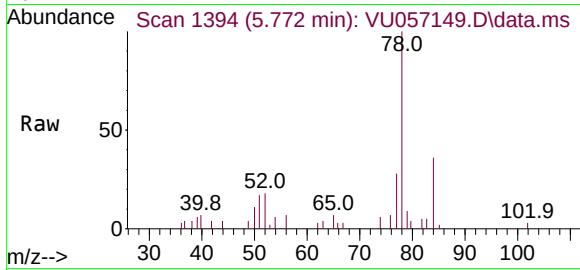




#33
Benzene
Concen: 0.218 ug/L
RT: 5.772 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU057149.D
Acq: 21 Dec 2023 21:14

Instrument :
MSVOA_U
ClientSampleId :

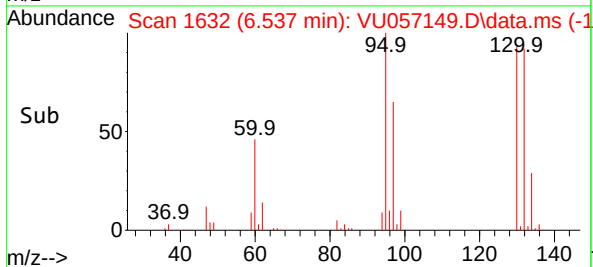
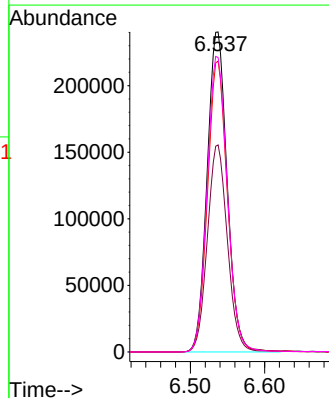
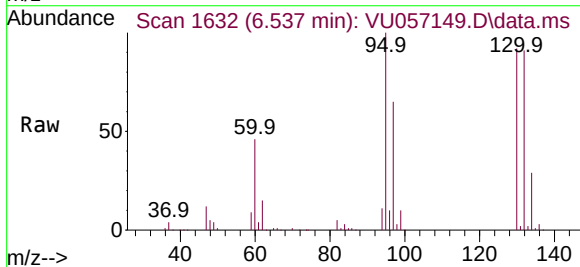
Tgt Ion: 78 Resp: 11099

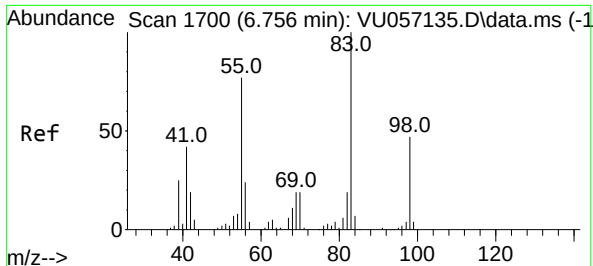


#34
Trichloroethene
Concen: 30.277 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. 0.003 min
Lab File: VU057149.D
Acq: 21 Dec 2023 21:14

Tgt Ion: 95 Resp: 450483

Ion	Ratio	Lower	Upper
95	100		
97	64.7	44.3	82.3
132	90.9	62.6	116.2
130	92.0	62.4	116.0

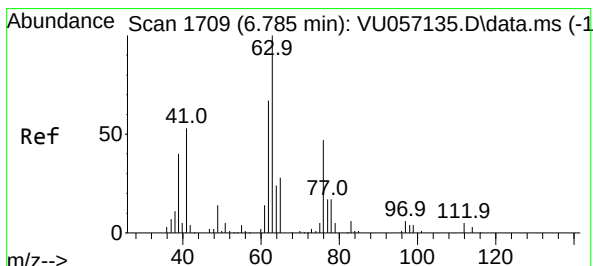
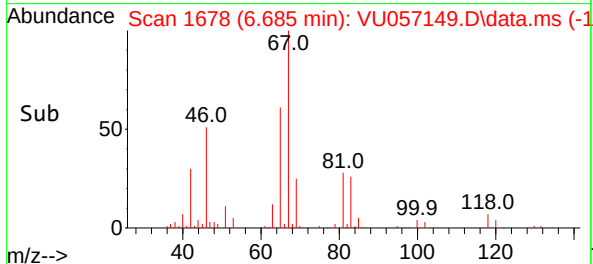
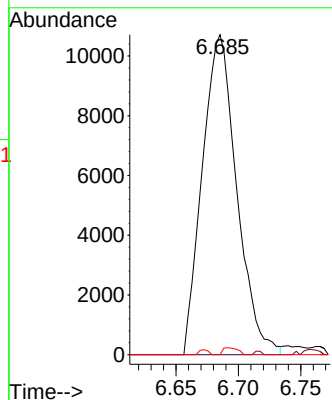
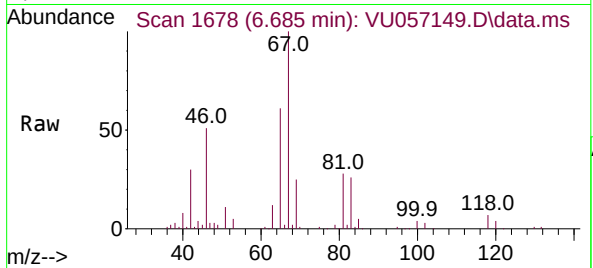




#35
Methylcyclohexane
Concen: 1.052 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.071 min
Lab File: VU057149.D
Acq: 21 Dec 2023 21:14

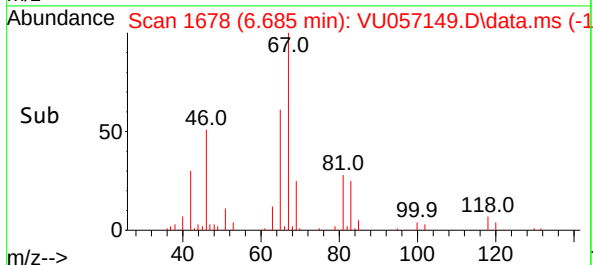
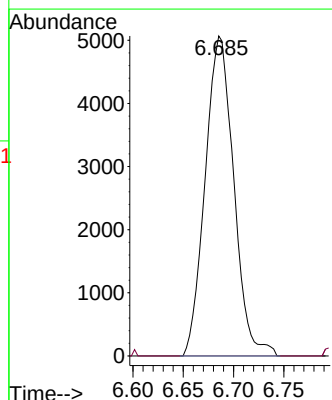
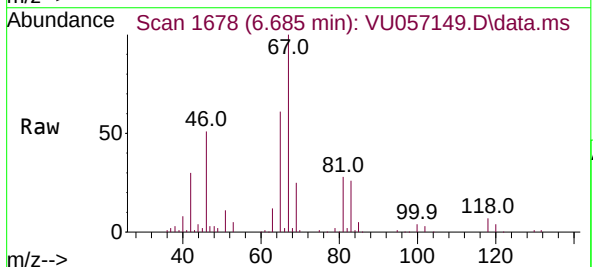
Instrument :
MSVOA_U
ClientSampleId :

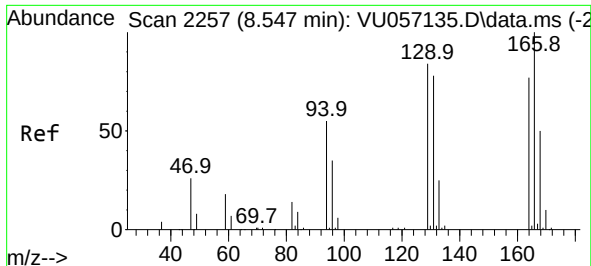
Tgt Ion: 83 Resp: 20604
Ion Ratio Lower Upper
83 100
55 0.2 61.3 91.9#
98 0.0 36.6 55.0#



#37
1,2-Dichloropropane
Concen: 0.793 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.100 min
Lab File: VU057149.D
Acq: 21 Dec 2023 21:14

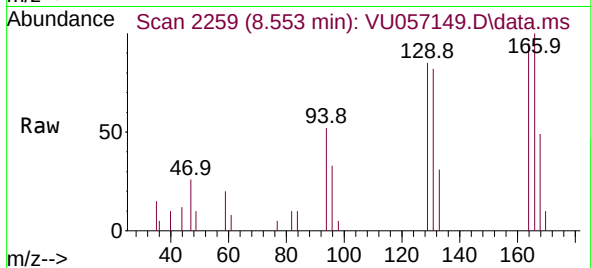
Tgt Ion: 63 Resp: 10037
Ion Ratio Lower Upper
63 100
112 0.2 3.1 4.7#



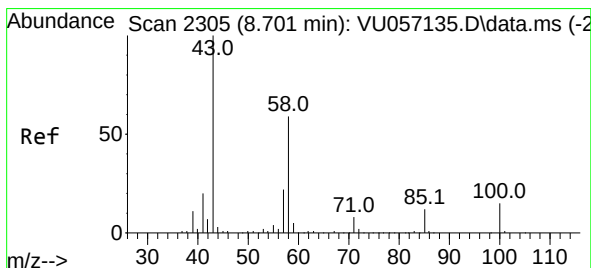
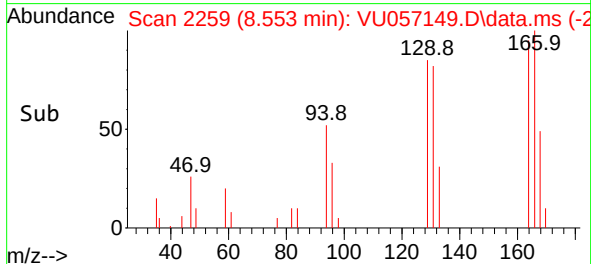
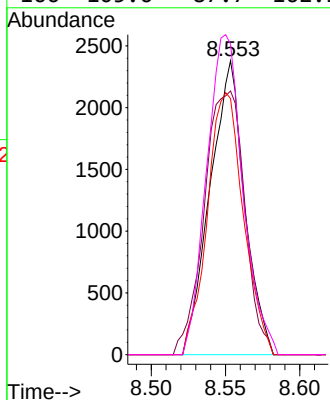


#47
Tetrachloroethene
Concen: 0.360 ug/L
RT: 8.553 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU057149.D
Acq: 21 Dec 2023 21:14

Instrument :
MSVOA_U
ClientSampleId :

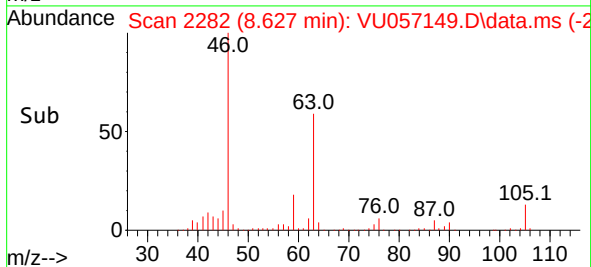
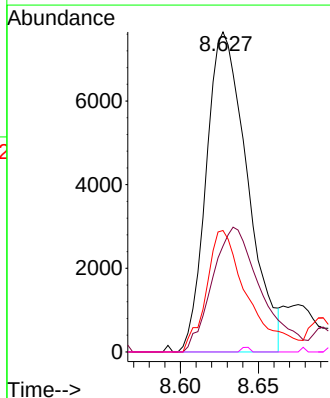
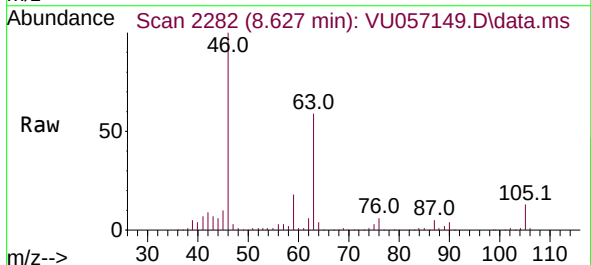


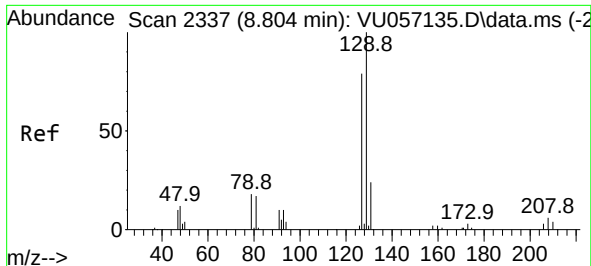
Tgt Ion:	164	Resp:	3836
Ion	Ratio	Lower	Upper
164	100		
129	89.7	72.9	135.3
131	87.1	71.7	133.3
166	105.6	87.7	162.9



#48
2-Hexanone
Concen: 3.463 ug/L
RT: 8.627 min Scan# 2282
Delta R.T. -0.074 min
Lab File: VU057149.D
Acq: 21 Dec 2023 21:14

Tgt Ion:	43	Resp:	14018
Ion	Ratio	Lower	Upper
43	100		
58	46.6	49.8	74.8#
57	38.6	18.5	27.7#
100	0.3	11.1	16.7#





#49

Dibromochloromethane

Concen: 0.356 ug/L

RT: 8.553 min Scan# 21

Delta R.T. -0.251 min

Lab File: VU057149.D

Acq: 21 Dec 2023 21:14

Instrument :

MSVOA_U

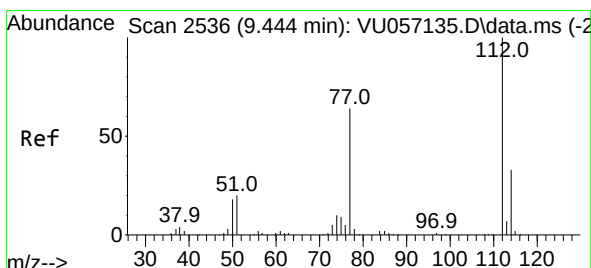
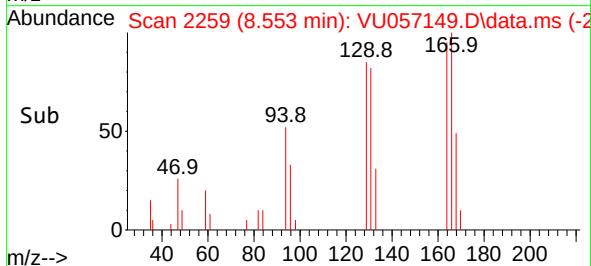
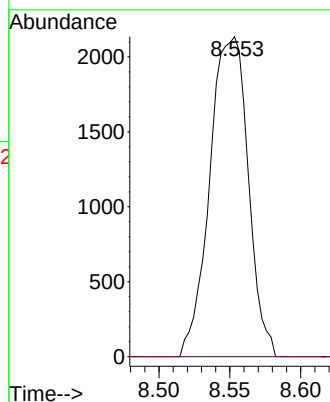
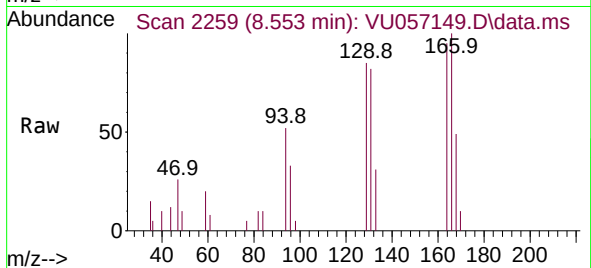
ClientSampleId :

Tgt Ion:129 Resp: 4031

Ion Ratio Lower Upper

129 100

127 0.0 55.2 102.6#



#51

Chlorobenzene

Concen: 26.204 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.003 min

Lab File: VU057149.D

Acq: 21 Dec 2023 21:14

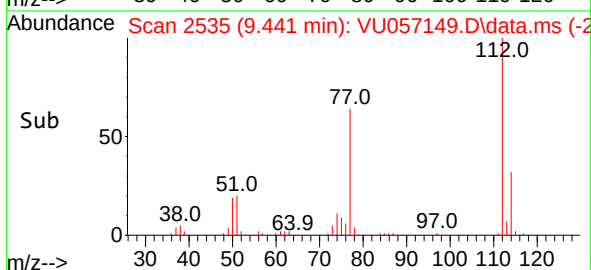
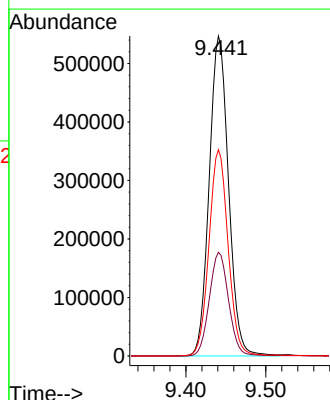
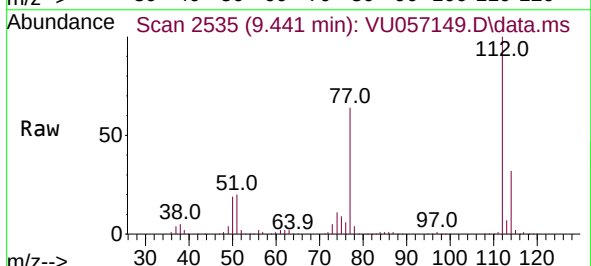
Tgt Ion:112 Resp: 919610

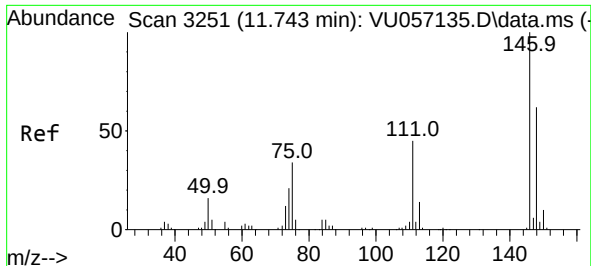
Ion Ratio Lower Upper

112 100

114 32.4 22.7 42.1

77 64.4 52.2 78.2

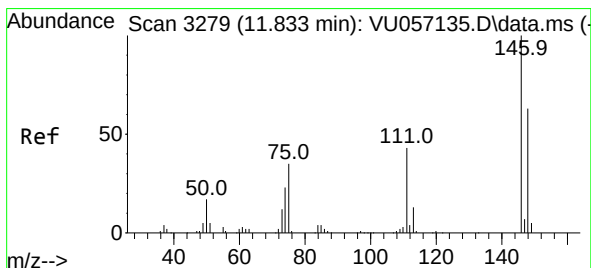
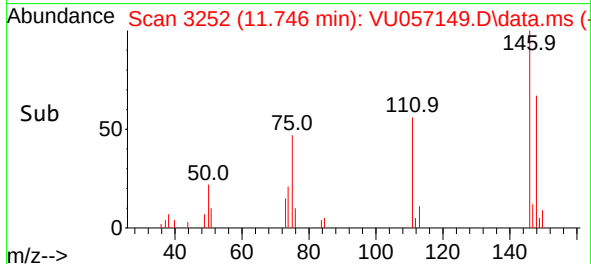
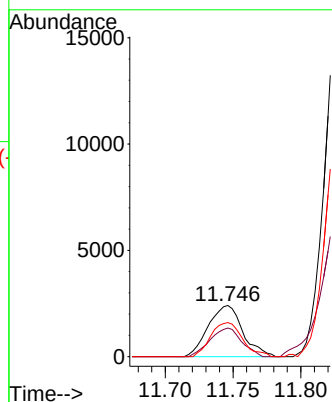
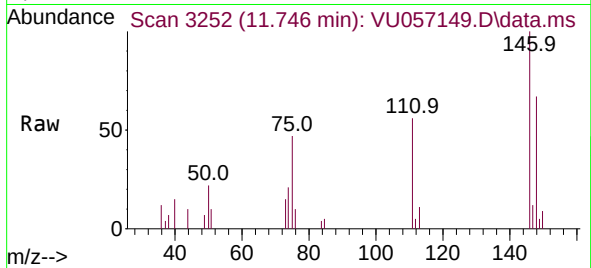




#64
1,3-Dichlorobenzene
Concen: 0.169 ug/L
RT: 11.746 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU057149.D
Acq: 21 Dec 2023 21:14

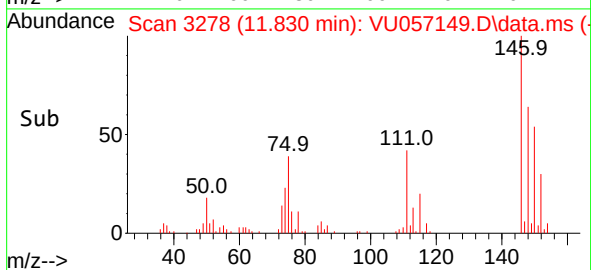
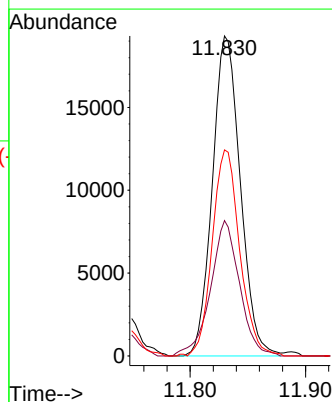
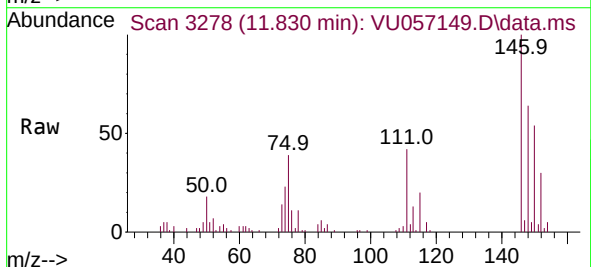
Instrument :
MSVOA_U
ClientSampleId :

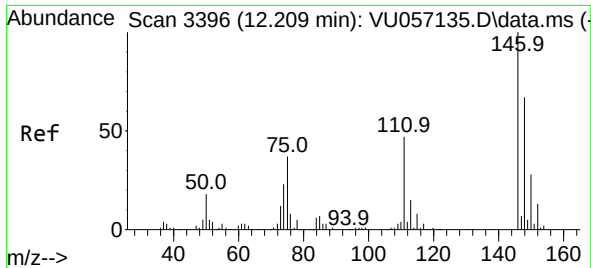
Tgt Ion:146 Resp: 4241
Ion Ratio Lower Upper
146 100
111 55.9 30.4 56.4
148 66.6 43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 1.282 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU057149.D
Acq: 21 Dec 2023 21:14

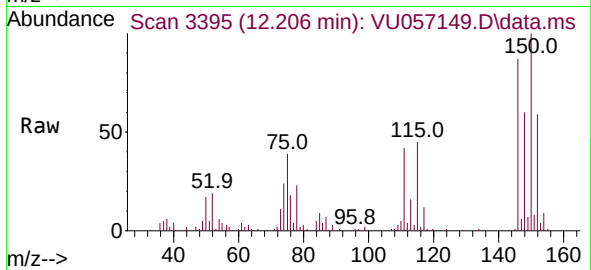
Tgt Ion:146 Resp: 32469
Ion Ratio Lower Upper
146 100
111 42.3 28.1 52.3
148 64.4 43.0 79.8





#67
 1,2-Dichlorobenzene
 Concen: 1.371 ug/L
 RT: 12.206 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU057149.D
 Acq: 21 Dec 2023 21:14

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:146 Resp: 30844
 Ion Ratio Lower Upper
 146 100
 111 48.7 37.9 56.9
 148 68.6 50.1 75.1

