

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041624\
 Data File : VU058728.D
 Acq On : 16 Apr 2024 19:59
 Operator : MD/SY
 Sample : P2143-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 17 01:15:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Apr 17 01:09:43 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	74215	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	90551	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	31806	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	14298	2.910	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	58.200%
7) Chloroethane-d5	1.904	69	15926	3.730	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.600%
11) 1,1-Dichloroethene-d2	2.560	65	6245	2.808	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.200%#
20) 2-Butanone-d5	4.615	46	63192	61.027	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.060%
24) Chloroform-d	5.052	84	42831	4.367	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.400%
26) 1,2-Dichloroethane-d4	5.692	65	22562	4.929	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.600%
32) Benzene-d6	5.718	84	73794	3.027	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	60.600%#
36) 1,2-Dichloropropane-d6	6.682	67	27435	3.588	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	71.800%
41) Toluene-d8	7.891	98	55077	2.548	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	51.000%#
43) trans-1,3-Dichloroprop...	8.177	79	7007	2.953	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	59.000%
46) 2-Hexanone-d5	8.627	63	41630	42.530	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.060%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	20403	3.780	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	75.600%
66) 1,2-Dichlorobenzene-d4	12.190	152	20232	3.777	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	75.600%#
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.570	96	1636	0.311	ug/L #	1
16) Methylene chloride	3.036	84	18904	2.708	ug/L	96
22) cis-1,2-Dichloroethene	4.660	96	2034	0.329	ug/L	92
25) Chloroform	5.071	83	2322	0.199	ug/L	94
34) Trichloroethene	6.534	95	186493	22.540	ug/L	97
35) Methylcyclohexane	6.682	83	6198	0.497	ug/L #	21
37) 1,2-Dichloropropane	6.682	63	3030	0.351	ug/L #	90
47) Tetrachloroethene	8.547	164	3445	0.568	ug/L	94
49) Dibromochloromethane	8.547	129	3328	0.571	ug/L #	11
52) Ethylbenzene	9.566	91	3068	0.084	ug/L	91
53) m,p-Xylene	9.692	106	3861	0.296	ug/L	97
54) o-Xylene	10.100	106	2054	0.160	ug/L	98
61) 1,2,3-Trichloropropane	11.807	75	4648	1.432	ug/L #	69
62) 1,3,5-Trimethylbenzene	11.470	105	2190	0.115	ug/L	87
63) 1,2,4-Trimethylbenzene	11.470	105	2190	0.113	ug/L	92
67) 1,2-Dichlorobenzene	12.209	146	1262	0.123	ug/L	97
71) Naphthalene	14.093	128	4581	0.518	ug/L #	96

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Apr 17 01:09:43 2024
Response via : Initial Calibration

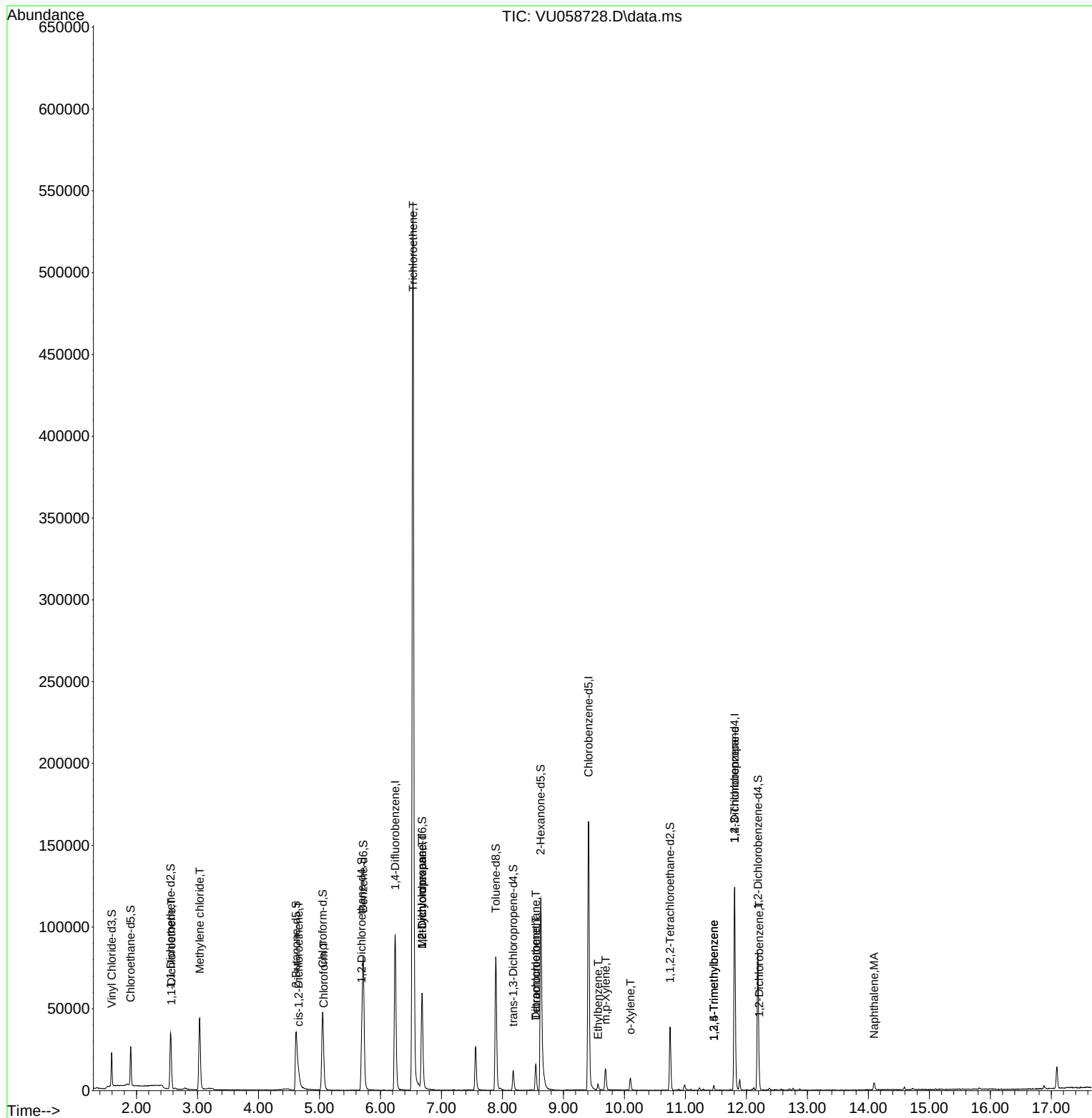
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

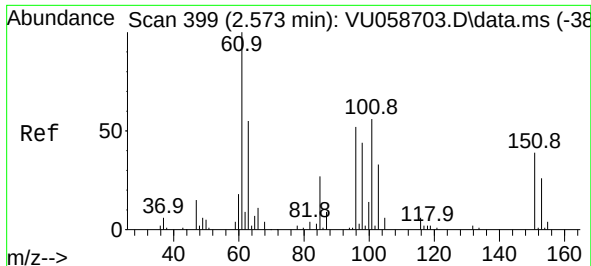
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#12

1,1-Dichloroethene

Concen: 0.311 ug/L

RT: 2.570 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU058728.D

Acq: 16 Apr 2024 19:59

Instrument :

MSVOA_U

ClientSampleId :

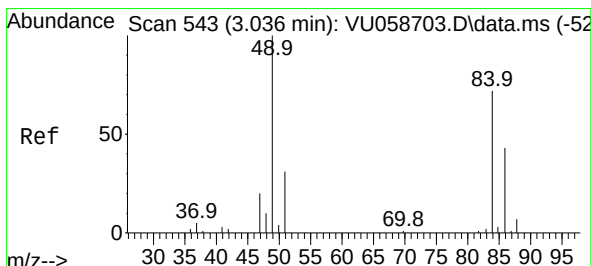
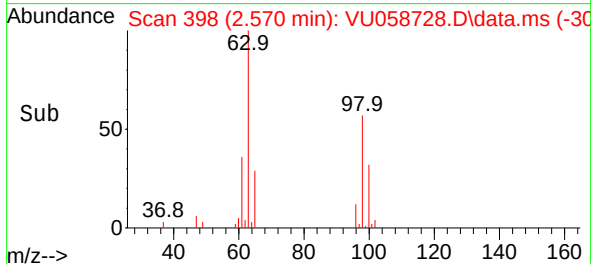
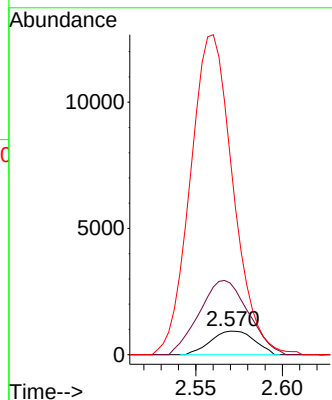
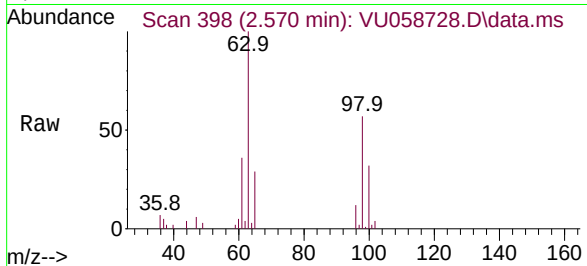
Tgt Ion: 96 Resp: 1636

Ion Ratio Lower Upper

96 100

61 305.9 132.5 246.1#

63 845.3 87.7 162.9#



#16

Methylene chloride

Concen: 2.708 ug/L

RT: 3.036 min Scan# 543

Delta R.T. 0.000 min

Lab File: VU058728.D

Acq: 16 Apr 2024 19:59

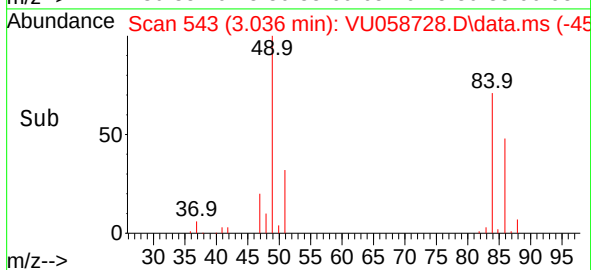
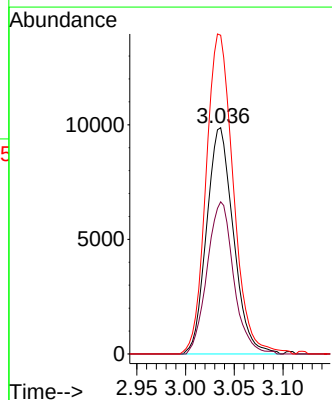
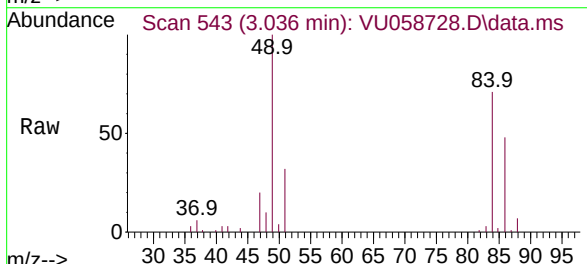
Tgt Ion: 84 Resp: 18904

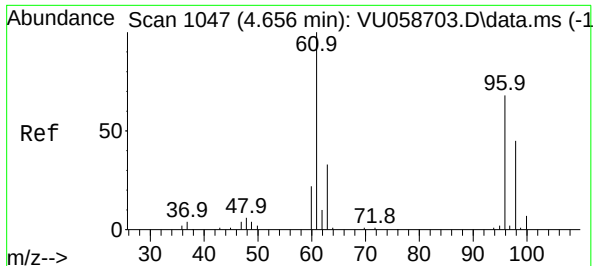
Ion Ratio Lower Upper

84 100

86 67.2 44.3 82.3

49 140.8 96.0 178.2





#22

cis-1,2-Dichloroethene

Concen: 0.329 ug/L

RT: 4.660 min Scan# 110

Delta R.T. 0.003 min

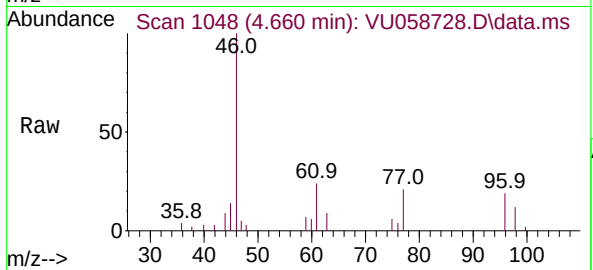
Lab File: VU058728.D

Acq: 16 Apr 2024 19:59

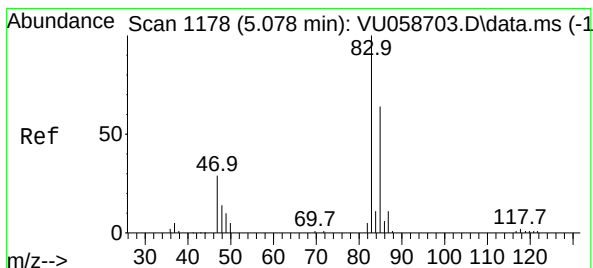
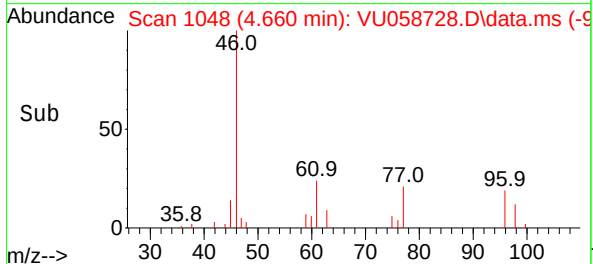
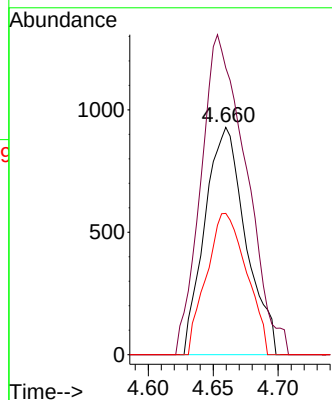
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	96	Resp:	2034
Ion	Ratio	Lower	Upper
96	100		
61	126.0	98.1	182.3
98	62.1	43.6	81.0



#25

Chloroform

Concen: 0.199 ug/L

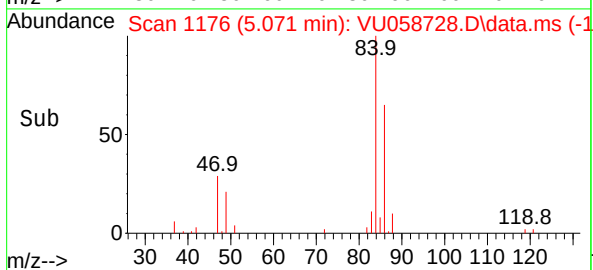
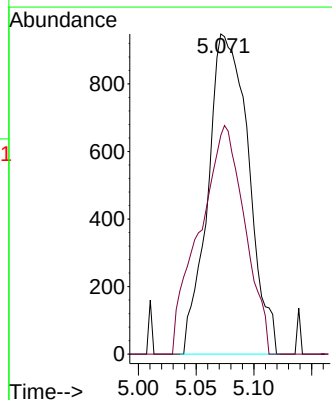
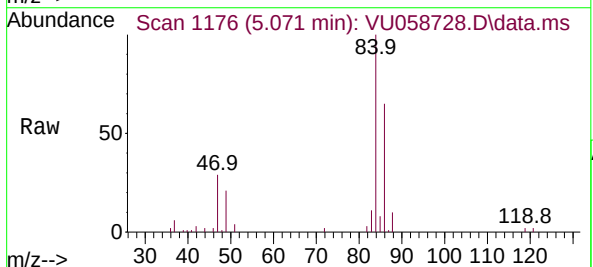
RT: 5.071 min Scan# 1176

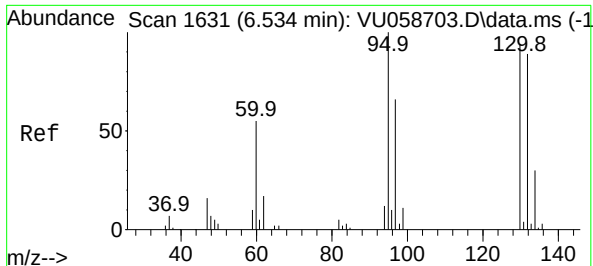
Delta R.T. -0.006 min

Lab File: VU058728.D

Acq: 16 Apr 2024 19:59

Tgt Ion:	83	Resp:	2322
Ion	Ratio	Lower	Upper
83	100		
85	68.4	44.7	83.1

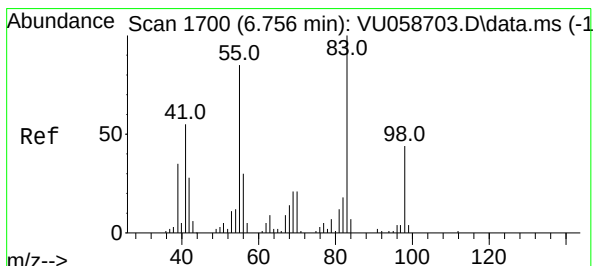
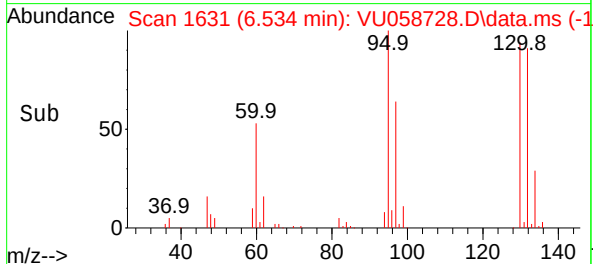
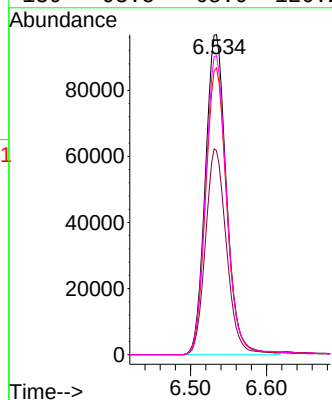
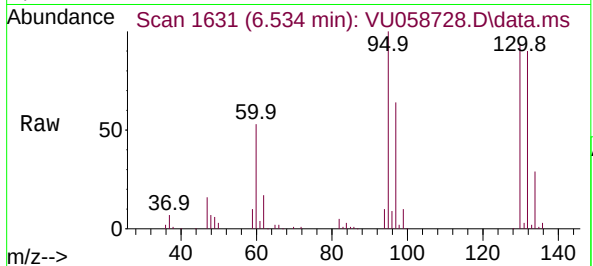




#34
Trichloroethene
Concen: 22.540 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VU058728.D
Acq: 16 Apr 2024 19:59

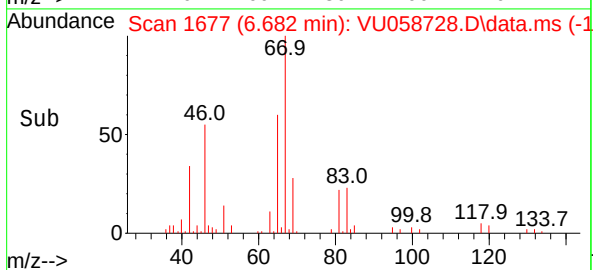
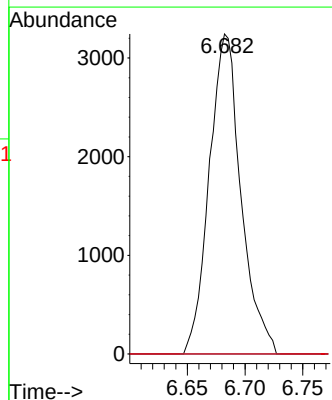
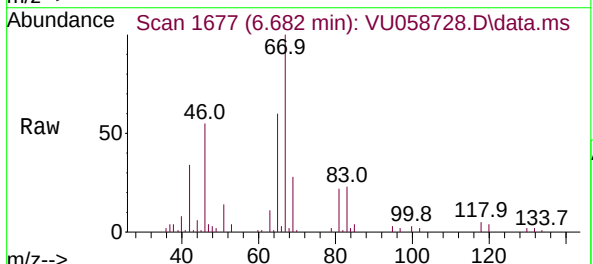
Instrument :
MSVOA_U
ClientSampleId :

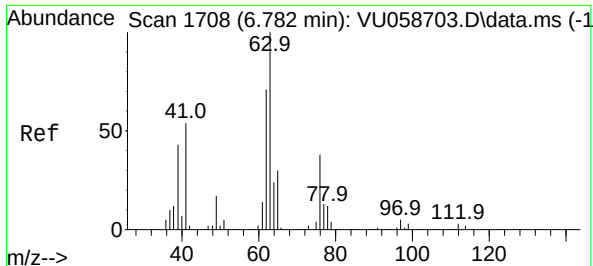
Tgt Ion: 95 Resp: 186493
Ion Ratio Lower Upper
95 100
97 63.8 45.6 84.6
132 89.6 64.8 120.3
130 93.5 68.0 126.2



#35
Methylcyclohexane
Concen: 0.497 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.074 min
Lab File: VU058728.D
Acq: 16 Apr 2024 19:59

Tgt Ion: 83 Resp: 6198
Ion Ratio Lower Upper
83 100
55 0.0 66.2 99.4#
98 8.7 34.6 52.0#

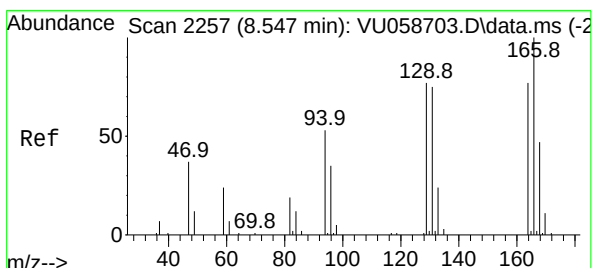
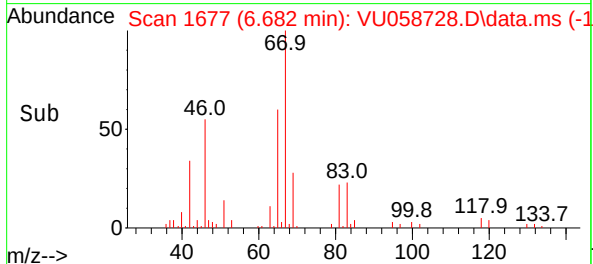
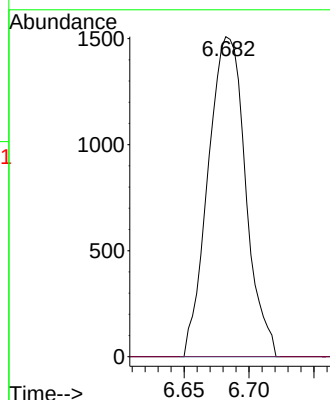
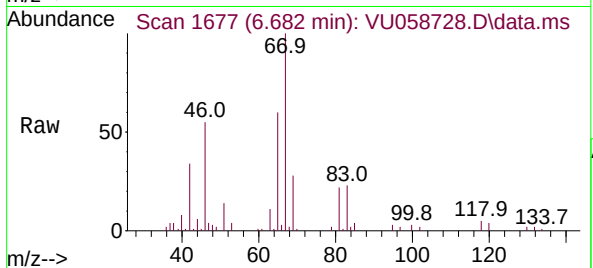




#37
1,2-Dichloropropane
Concen: 0.351 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU058728.D
Acq: 16 Apr 2024 19:59

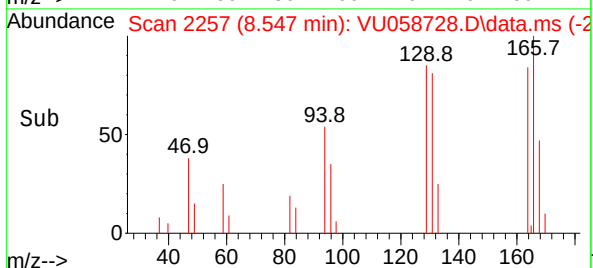
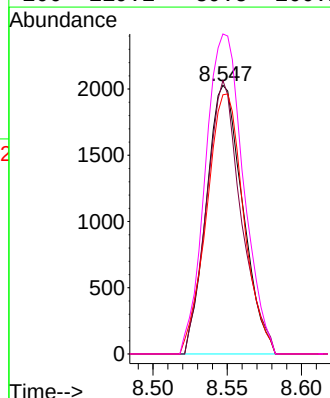
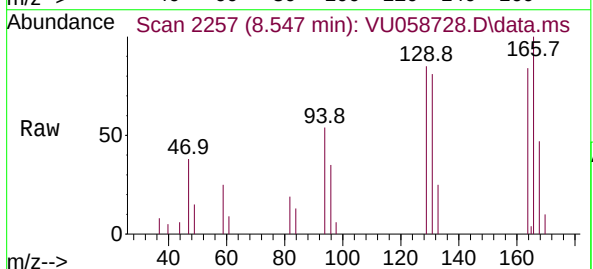
Instrument :
MSVOA_U
ClientSampleId :

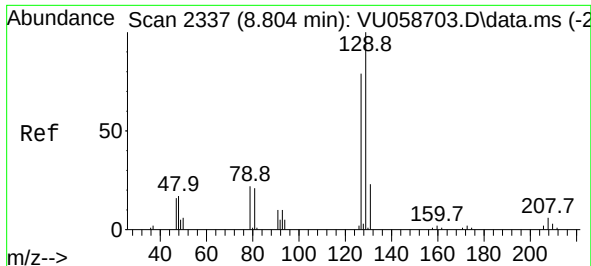
Tgt Ion: 63 Resp: 3030
Ion Ratio Lower Upper
63 100
112 0.0 2.6 4.0#



#47
Tetrachloroethene
Concen: 0.568 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU058728.D
Acq: 16 Apr 2024 19:59

Tgt Ion:164 Resp: 3445
Ion Ratio Lower Upper
164 100
129 101.8 67.3 125.1
131 96.5 65.5 121.6
166 119.1 89.5 166.1





#49

Dibromochloromethane

Concen: 0.571 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU058728.D

Acq: 16 Apr 2024 19:59

Instrument :

MSVOA_U

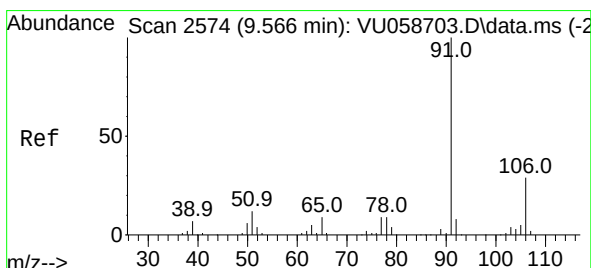
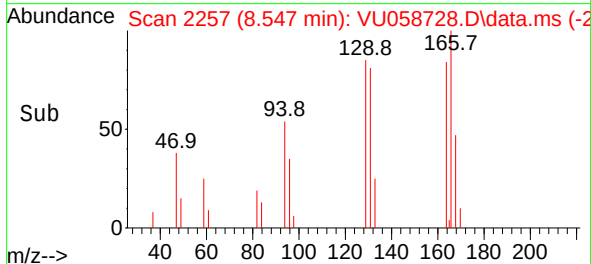
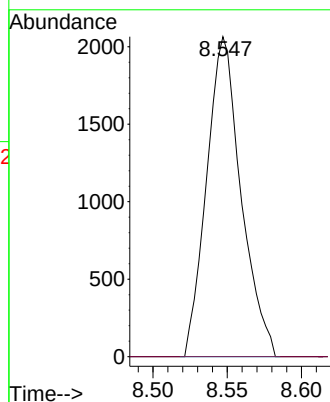
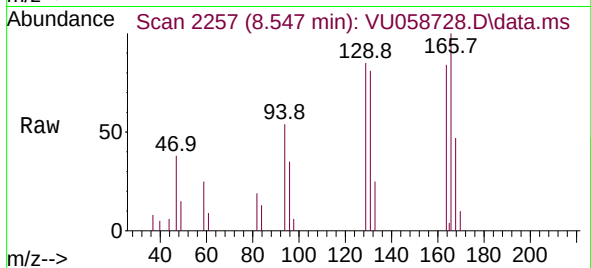
ClientSampleId :

Tgt Ion:129 Resp: 3328

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.5#



#52

Ethylbenzene

Concen: 0.084 ug/L

RT: 9.566 min Scan# 2574

Delta R.T. 0.000 min

Lab File: VU058728.D

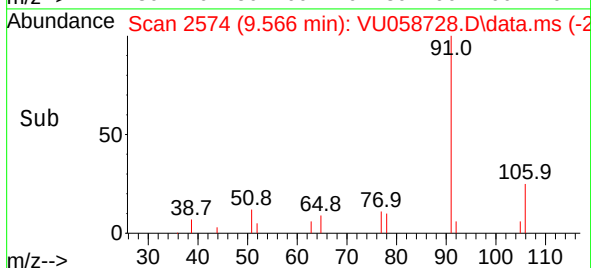
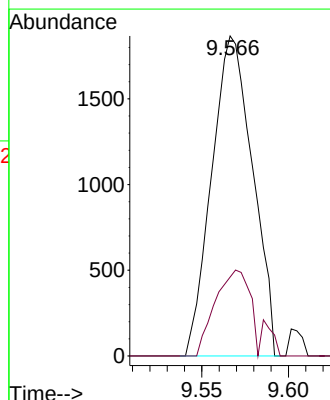
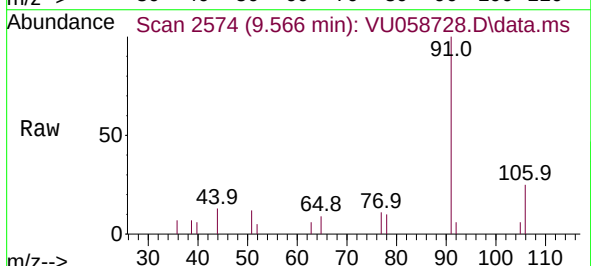
Acq: 16 Apr 2024 19:59

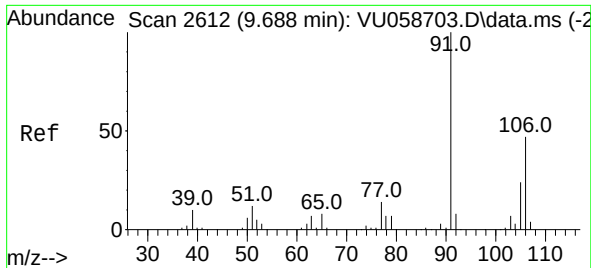
Tgt Ion: 91 Resp: 3068

Ion Ratio Lower Upper

91 100

106 24.6 20.6 38.4

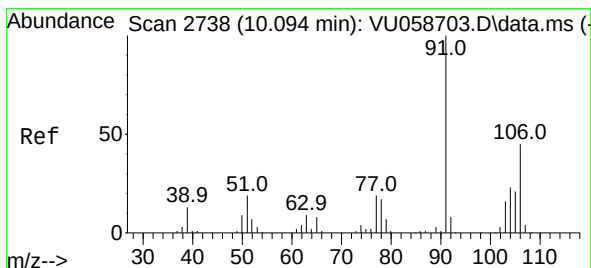
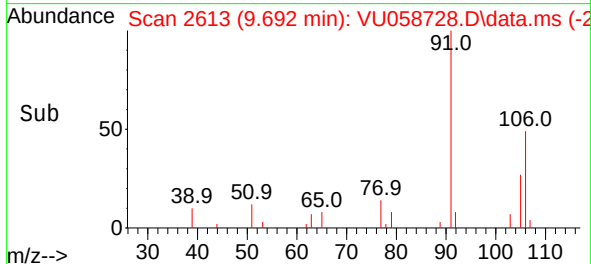
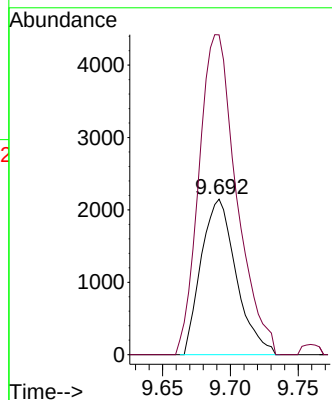
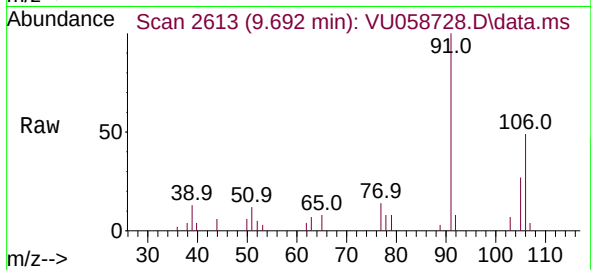




#53
m,p-Xylene
Concen: 0.296 ug/L
RT: 9.692 min Scan# 20
Delta R.T. 0.003 min
Lab File: VU058728.D
Acq: 16 Apr 2024 19:59

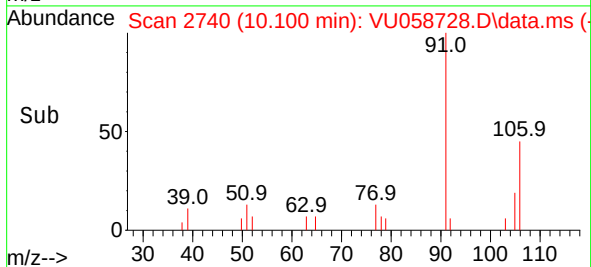
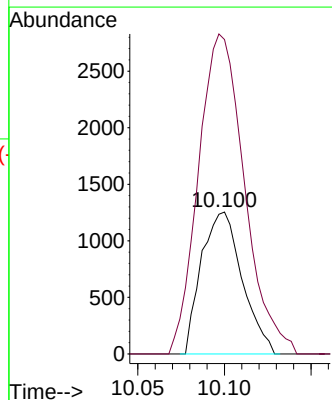
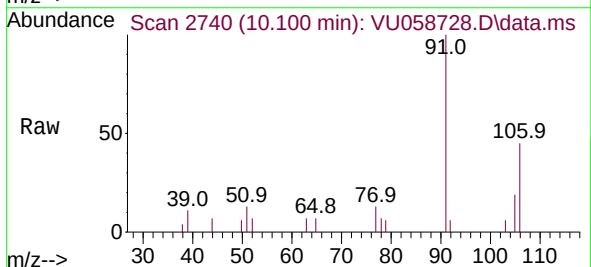
Instrument :
MSVOA_U
ClientSampleId :

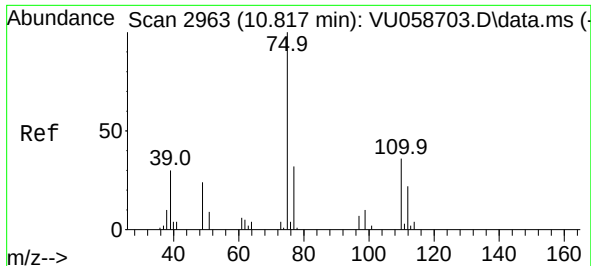
Tgt Ion:106 Resp: 3861
Ion Ratio Lower Upper
106 100
91 205.7 147.8 274.4



#54
o-Xylene
Concen: 0.160 ug/L
RT: 10.100 min Scan# 2740
Delta R.T. 0.007 min
Lab File: VU058728.D
Acq: 16 Apr 2024 19:59

Tgt Ion:106 Resp: 2054
Ion Ratio Lower Upper
106 100
91 221.4 156.9 291.5

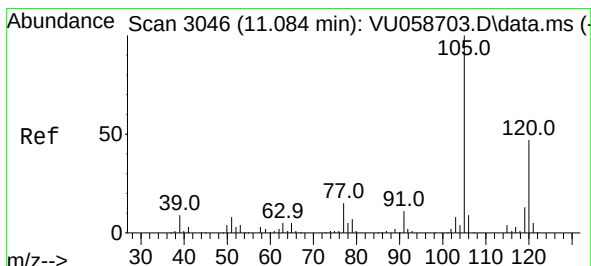
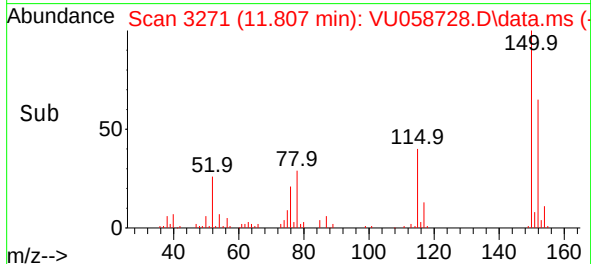
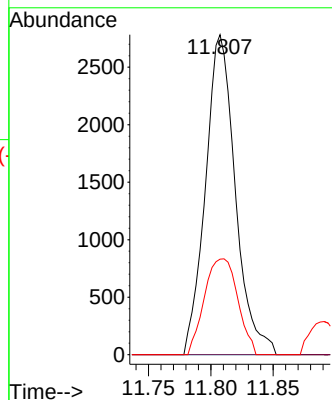
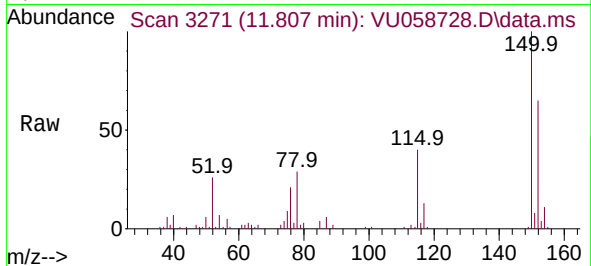




#61
1,2,3-Trichloropropane
Concen: 1.432 ug/L
RT: 11.807 min Scan# 3166
Delta R.T. 0.990 min
Lab File: VU058728.D
Acq: 16 Apr 2024 19:59

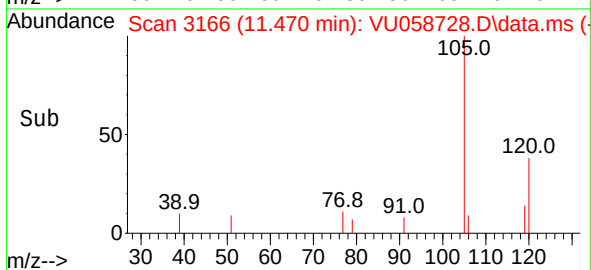
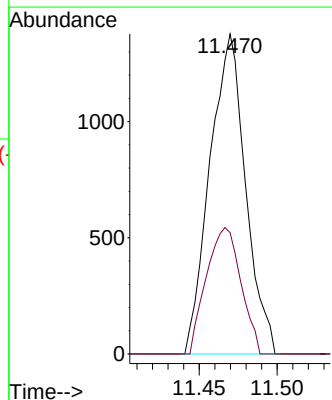
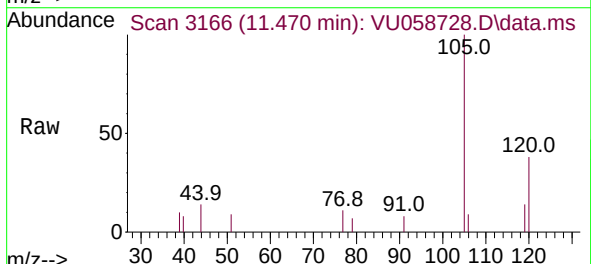
Instrument :
MSVOA_U
ClientSampleId :

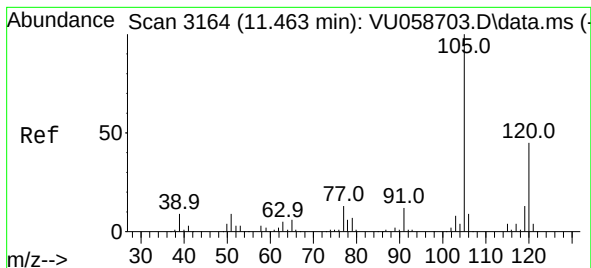
Tgt Ion: 75 Resp: 4648
Ion Ratio Lower Upper
75 100
110 0.0 25.8 38.6#
77 33.4 25.1 37.7



#62
1,3,5-Trimethylbenzene
Concen: 0.115 ug/L
RT: 11.470 min Scan# 3166
Delta R.T. 0.386 min
Lab File: VU058728.D
Acq: 16 Apr 2024 19:59

Tgt Ion:105 Resp: 2190
Ion Ratio Lower Upper
105 100
120 38.2 37.2 55.8





#63

1,2,4-Trimethylbenzene

Concen: 0.113 ug/L

RT: 11.470 min Scan# 3166

Delta R.T. 0.007 min

Lab File: VU058728.D

Acq: 16 Apr 2024 19:59

Instrument :

MSVOA_U

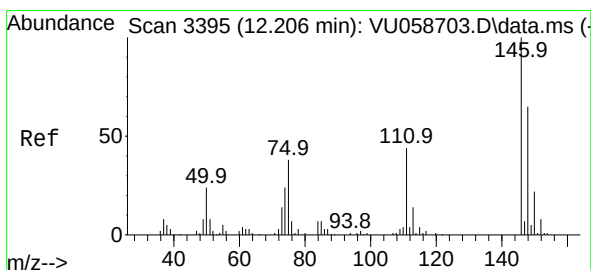
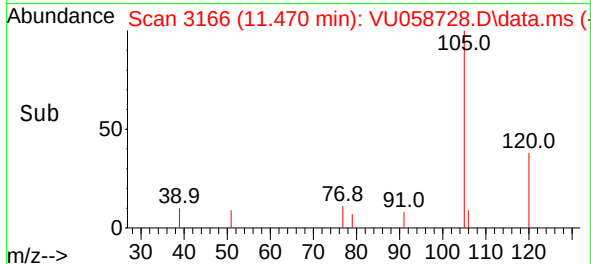
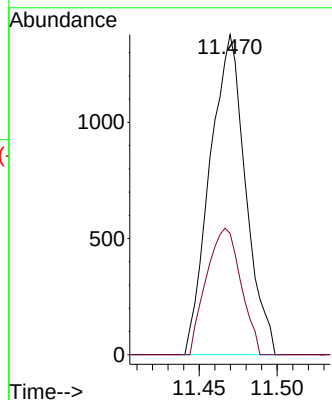
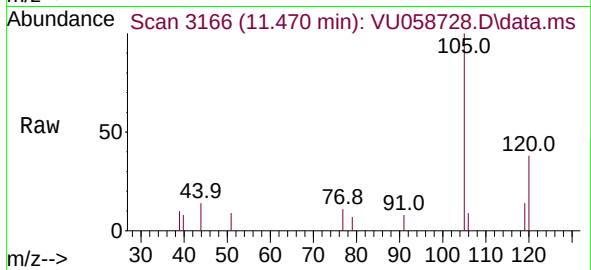
ClientSampleId :

Tgt Ion:105 Resp: 2190

Ion Ratio Lower Upper

105 100

120 38.2 34.7 52.1



#67

1,2-Dichlorobenzene

Concen: 0.123 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. 0.003 min

Lab File: VU058728.D

Acq: 16 Apr 2024 19:59

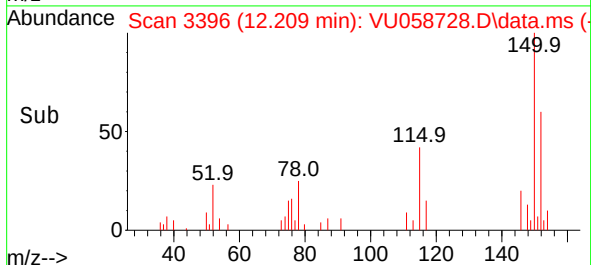
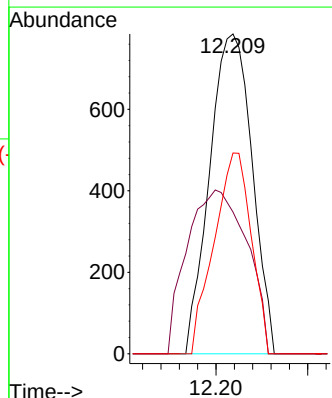
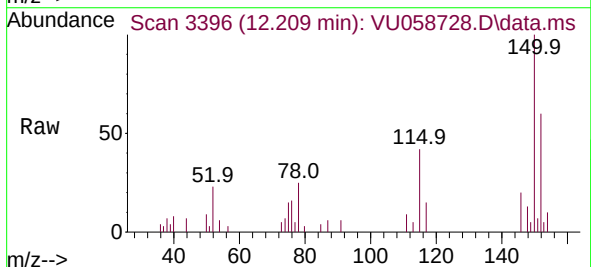
Tgt Ion:146 Resp: 1262

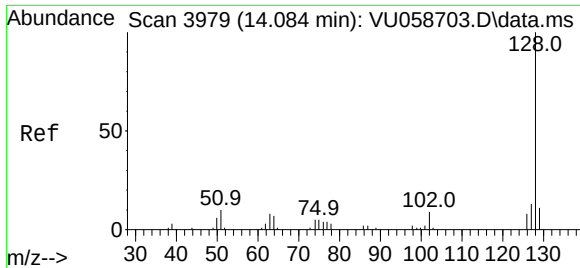
Ion Ratio Lower Upper

146 100

111 44.3 35.0 52.4

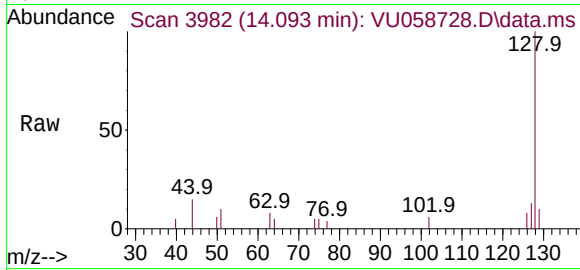
148 62.8 52.5 78.7





#71
Naphthalene
Concen: 0.518 ug/L
RT: 14.093 min Scan# 3982
Delta R.T. 0.010 min
Lab File: VU058728.D
Acq: 16 Apr 2024 19:59

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 4581
Ion Ratio Lower Upper
128 100
129 8.1 8.6 13.0#
127 13.5 11.0 16.6

