

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121823\
 Data File : VU057009.D
 Acq On : 18 Dec 2023 22:27
 Operator : MD/SY
 Sample : 05771-01 10X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 19 05:11:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 19 02:36:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.271	114	215745	5.000	ug/L	0.03
28) Chlorobenzene-d5	9.422	117	237052	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	100369	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	85528	4.625	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.400%
7) Chloroethane-d5	1.927	69	73600	5.318	ug/L	0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.400%
11) 1,1-Dichloroethene-d2	2.573	65	34959	4.418	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.400%
20) 2-Butanone-d5	4.753	46	119190	32.636	ug/L	0.14
Spiked Amount	50.000	Range	40 - 130	Recovery	=	65.280%
24) Chloroform-d	5.075	84	162232	4.633	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.600%
26) 1,2-Dichloroethane-d4	5.730	65	75804	4.574	ug/L	0.04
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.400%
32) Benzene-d6	5.747	84	306791	4.172	ug/L	0.03
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.400%
36) 1,2-Dichloropropane-d6	6.711	67	97413	4.233	ug/L	0.03
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.600%
41) Toluene-d8	7.907	98	280109	4.262	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.200%
43) trans-1,3-Dichloroprop...	8.187	79	33500	3.754	ug/L	0.01
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.000%
46) 2-Hexanone-d5	8.650	63	106889	31.755	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	63.500%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	71019	4.265	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	96569	4.894	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.512	50	4439	0.200	ug/L	87
5) Vinyl chloride	1.602	62	2677	0.121	ug/L #	1
8) Chloroethane	1.946	64	5484	0.424	ug/L #	81
12) 1,1-Dichloroethene	2.586	96	2381	0.136	ug/L #	1
16) Methylene chloride	3.046	84	7270	0.381	ug/L	94
17) Methyl tert-butyl Ether	3.390	73	6261	0.161	ug/L	96
22) cis-1,2-Dichloroethene	4.669	96	7206	0.373	ug/L	95
33) Benzene	5.798	78	42204	0.507	ug/L	100
38) Bromodichloromethane	7.126	83	2681	0.099	ug/L #	96
42) Toluene	7.978	91	23914	0.277	ug/L	100
50) 1,2-Dibromoethane	8.933	107	1324	0.099	ug/L #	80
51) Chlorobenzene	9.451	112	265620	4.835	ug/L	97
53) m,p-Xylene	9.698	106	5632	0.159	ug/L	97
60) Isopropylbenzene	10.489	105	11113	0.140	ug/L #	84
63) 1,2,4-Trimethylbenzene	11.470	105	12869	0.200	ug/L	96
64) 1,3-Dichlorobenzene	11.746	146	4039	0.108	ug/L	98
65) 1,4-Dichlorobenzene	11.836	146	20359	0.551	ug/L	91
67) 1,2-Dichlorobenzene	12.213	146	6532	0.191	ug/L	97

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Dec 19 02:36:03 2023
Response via : Initial Calibration

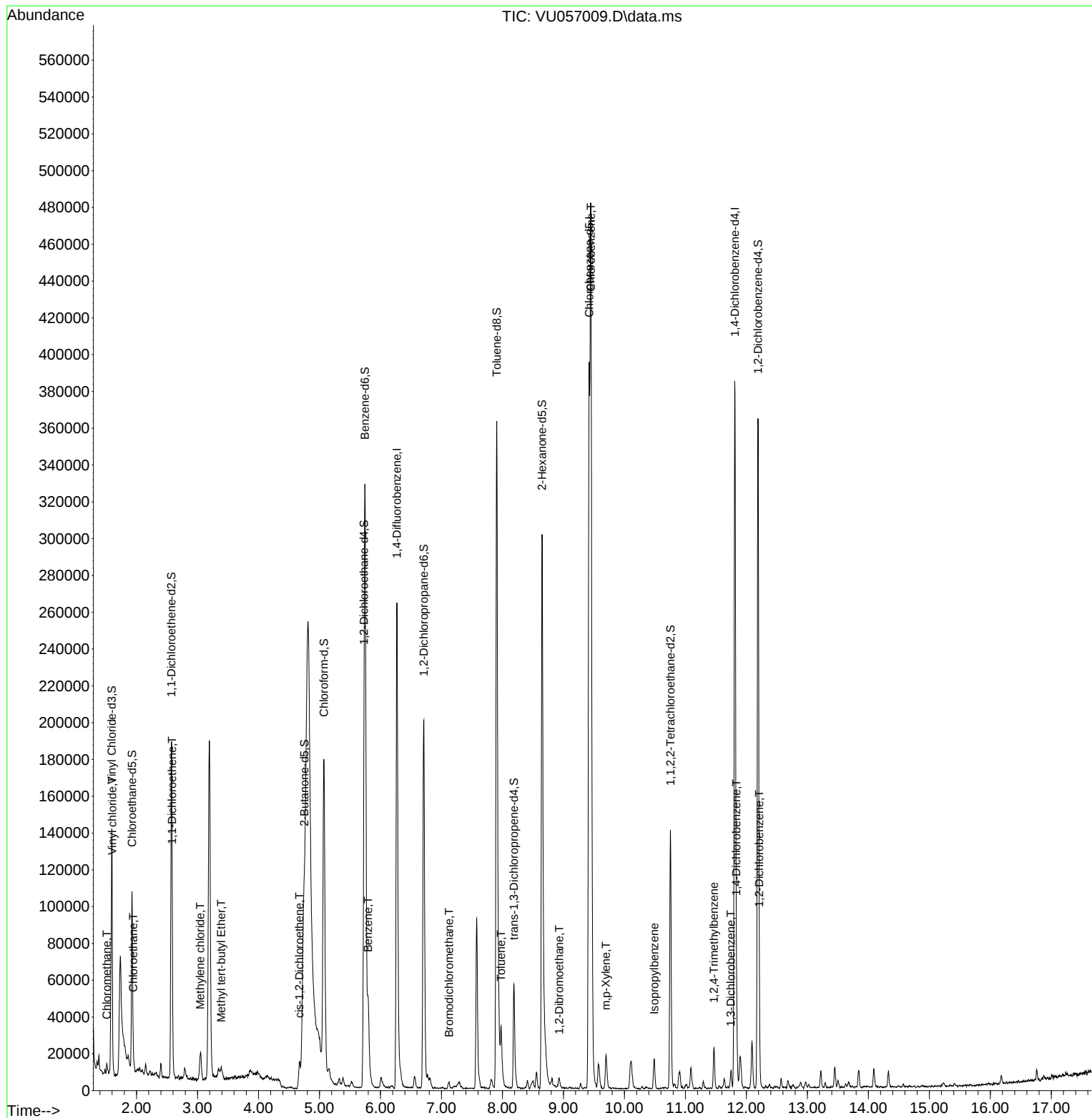
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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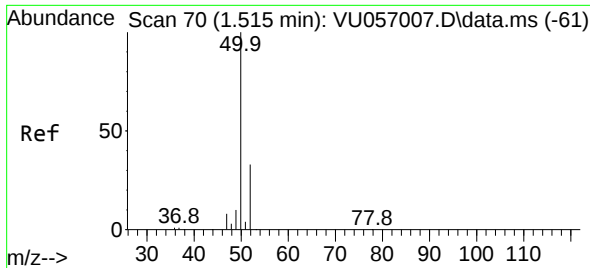
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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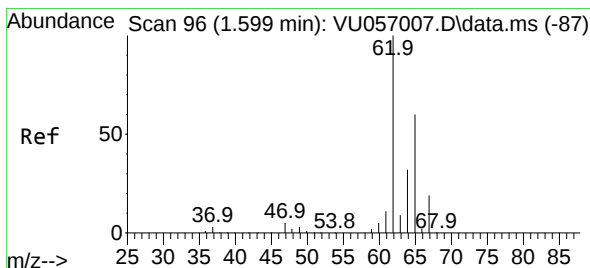
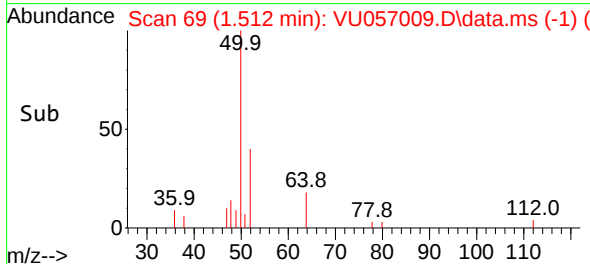
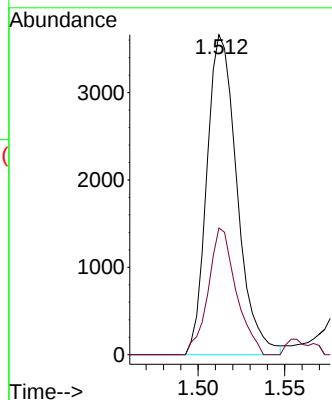
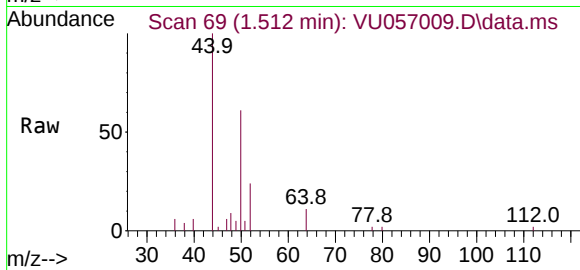




#3
Chloromethane
Concen: 0.200 ug/L
RT: 1.512 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU057009.D
Acq: 18 Dec 2023 22:27

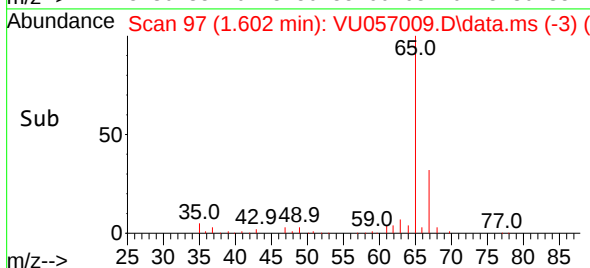
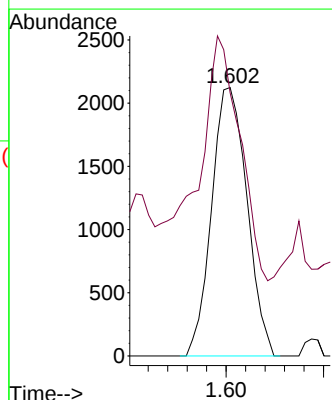
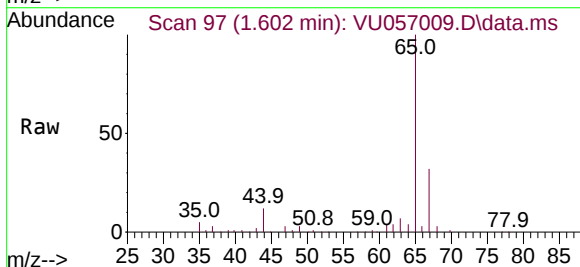
Instrument :
MSVOA_U
ClientSampleId :

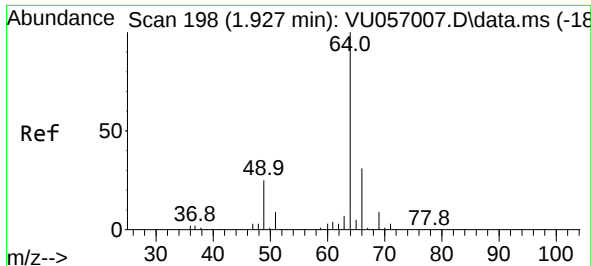
Tgt Ion: 50 Resp: 4439
Ion Ratio Lower Upper
50 100
52 39.6 22.5 41.7



#5
Vinyl chloride
Concen: 0.121 ug/L
RT: 1.602 min Scan# 97
Delta R.T. 0.003 min
Lab File: VU057009.D
Acq: 18 Dec 2023 22:27

Tgt Ion: 62 Resp: 2677
Ion Ratio Lower Upper
62 100
64 98.1 22.8 42.4#





#8

Chloroethane

Concen: 0.424 ug/L

RT: 1.946 min Scan# 204

Delta R.T. 0.019 min

Lab File: VU057009.D

Acq: 18 Dec 2023 22:27

Instrument :

MSVOA_U

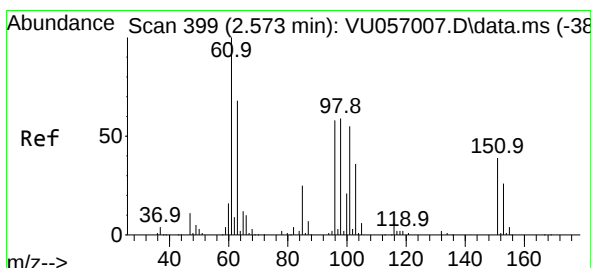
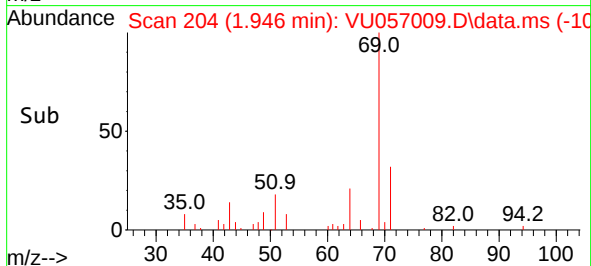
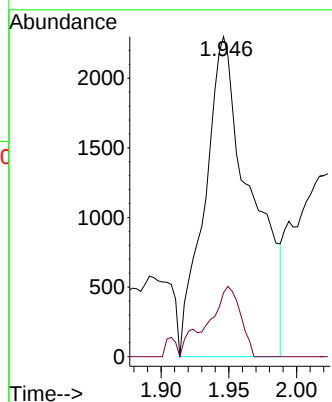
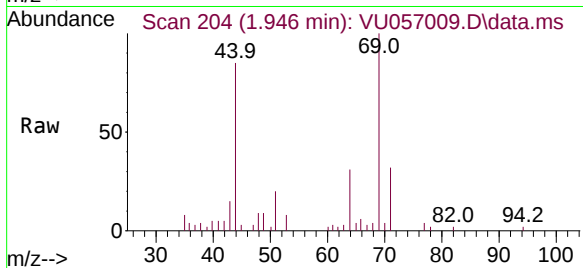
ClientSampleId :

Tgt Ion: 64 Resp: 5484

Ion Ratio Lower Upper

64 100

66 20.0 21.4 39.8#



#12

1,1-Dichloroethene

Concen: 0.136 ug/L

RT: 2.586 min Scan# 403

Delta R.T. 0.013 min

Lab File: VU057009.D

Acq: 18 Dec 2023 22:27

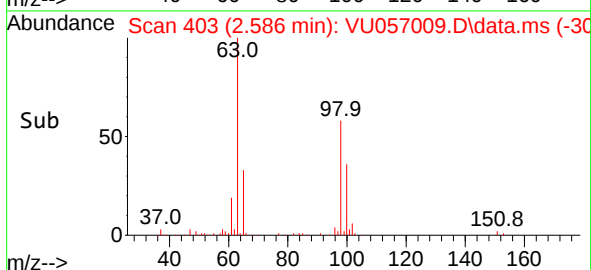
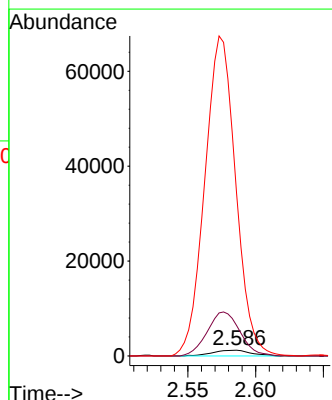
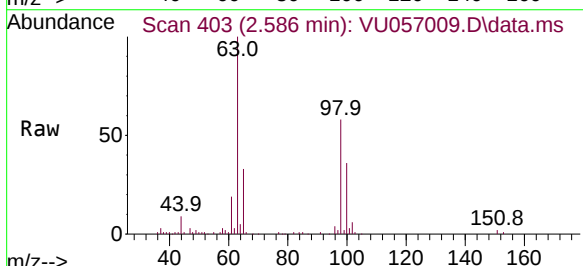
Tgt Ion: 96 Resp: 2381

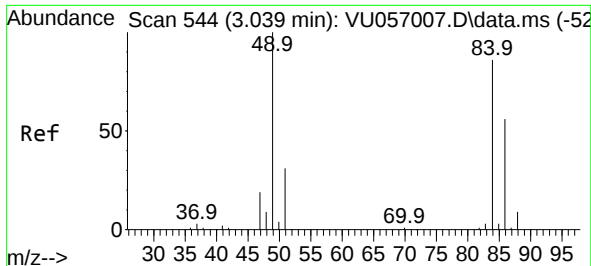
Ion Ratio Lower Upper

96 100

61 528.4 119.0 221.0#

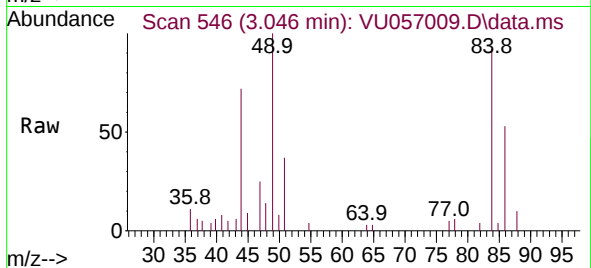
63 2817.0 88.7 164.7#





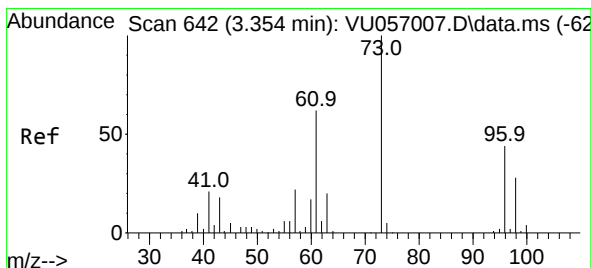
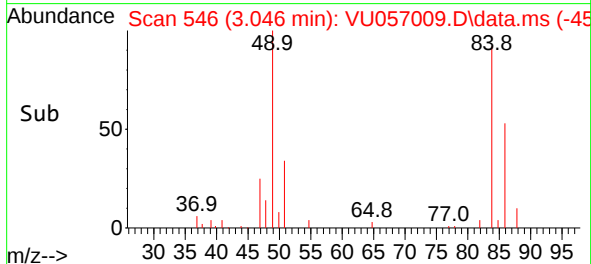
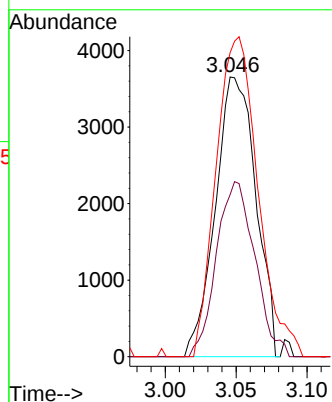
#16
Methylene chloride
Concen: 0.381 ug/L
RT: 3.046 min Scan# 544
Delta R.T. 0.006 min
Lab File: VU057009.D
Acq: 18 Dec 2023 22:27

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 84 Resp: 7270

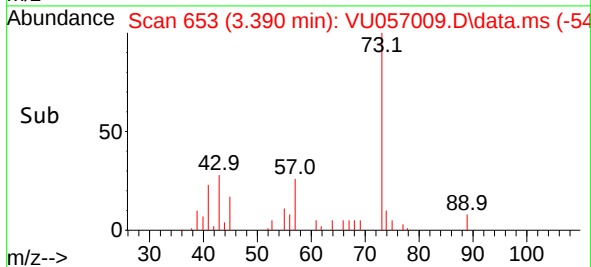
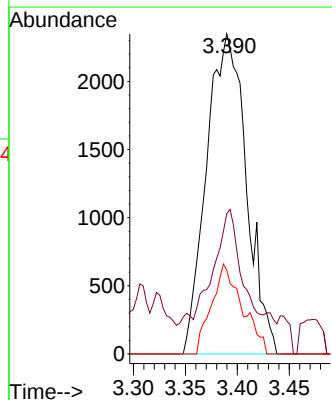
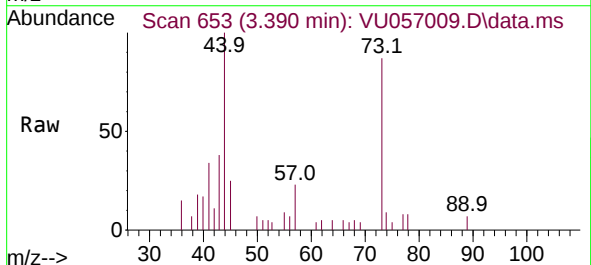
Ion	Ratio	Lower	Upper
84	100		
86	57.9	43.6	81.0
49	108.6	80.6	149.6

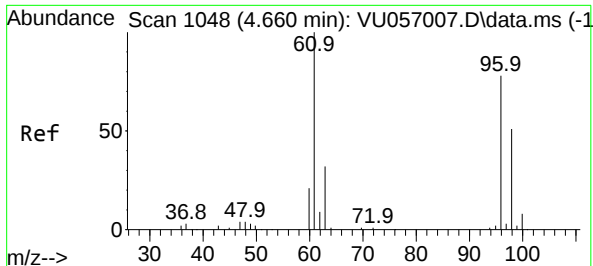


#17
Methyl tert-butyl Ether
Concen: 0.161 ug/L
RT: 3.390 min Scan# 653
Delta R.T. 0.035 min
Lab File: VU057009.D
Acq: 18 Dec 2023 22:27

Tgt Ion: 73 Resp: 6261

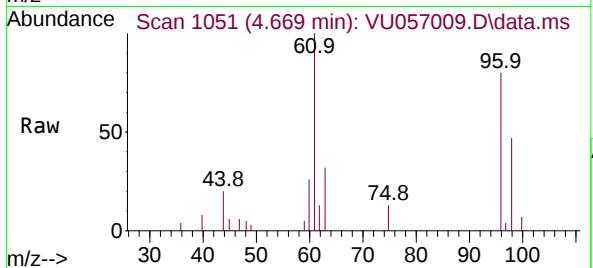
Ion	Ratio	Lower	Upper
73	100		
43	21.3	14.4	21.6
57	21.6	17.8	26.8



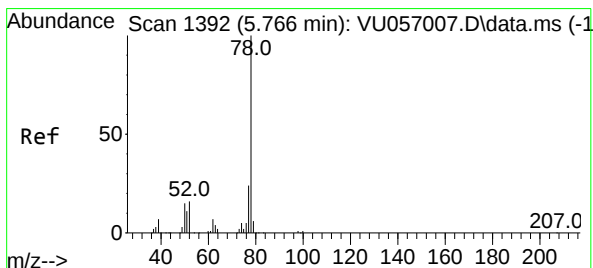
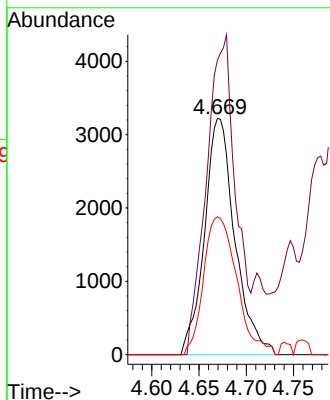
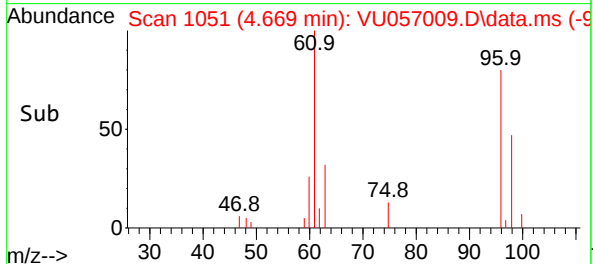


#22
cis-1,2-Dichloroethene
Concen: 0.373 ug/L
RT: 4.669 min Scan# 1051
Delta R.T. 0.010 min
Lab File: VU057009.D
Acq: 18 Dec 2023 22:27

Instrument :
MSVOA_U
ClientSampleId :

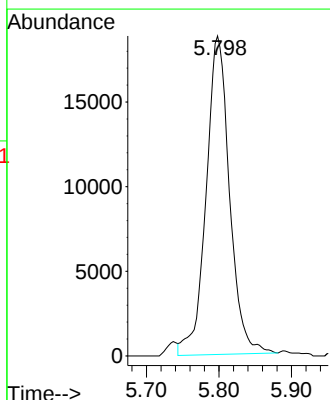
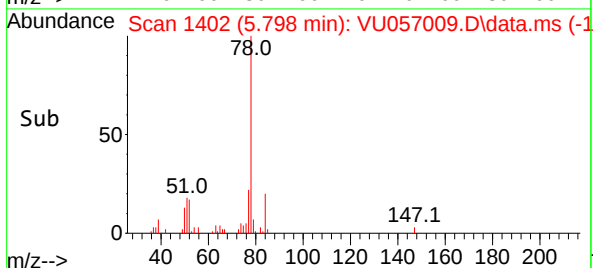
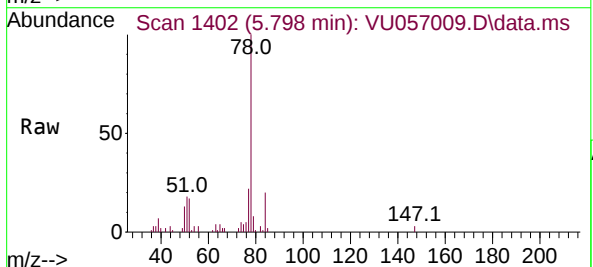


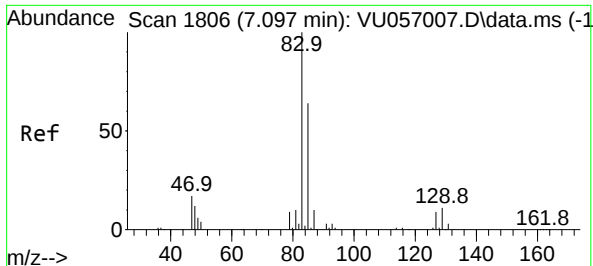
Tgt Ion: 96 Resp: 7206
Ion Ratio Lower Upper
96 100
61 124.7 91.3 169.6
98 58.3 44.2 82.0



#33
Benzene
Concen: 0.507 ug/L
RT: 5.798 min Scan# 1402
Delta R.T. 0.032 min
Lab File: VU057009.D
Acq: 18 Dec 2023 22:27

Tgt Ion: 78 Resp: 42204





#38

Bromodichloromethane

Concen: 0.099 ug/L

RT: 7.126 min Scan# 11

Delta R.T. 0.029 min

Lab File: VU057009.D

Acq: 18 Dec 2023 22:27

Instrument :

MSVOA_U

ClientSampleId :

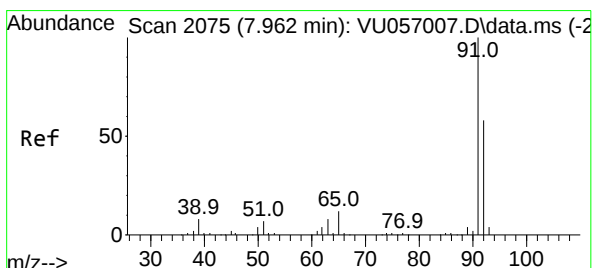
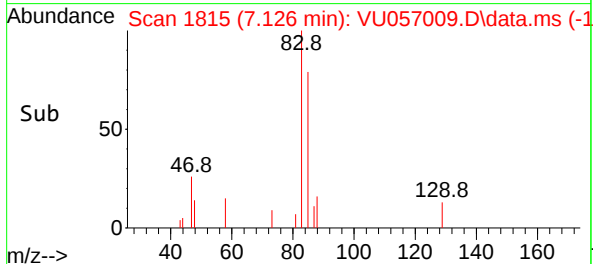
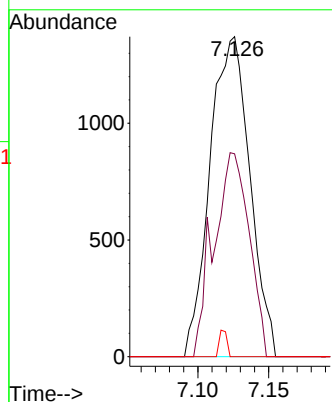
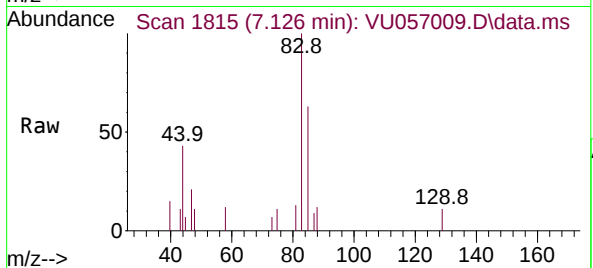
Tgt Ion: 83 Resp: 2681

Ion Ratio Lower Upper

83 100

85 63.4 45.0 83.6

127 0.0 7.0 10.4#



#42

Toluene

Concen: 0.277 ug/L

RT: 7.978 min Scan# 2080

Delta R.T. 0.016 min

Lab File: VU057009.D

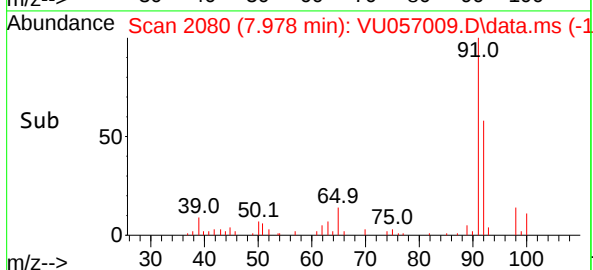
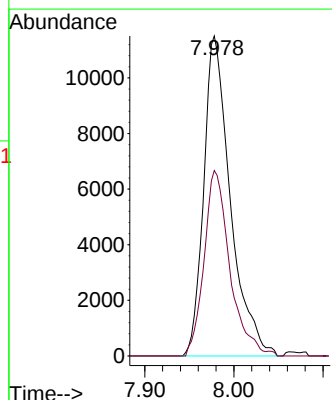
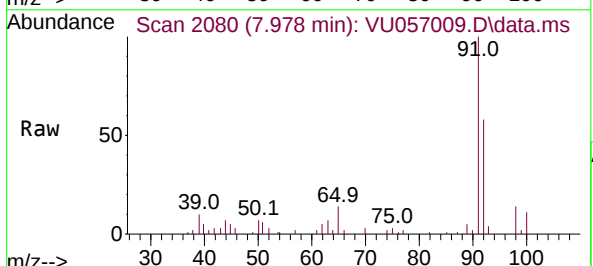
Acq: 18 Dec 2023 22:27

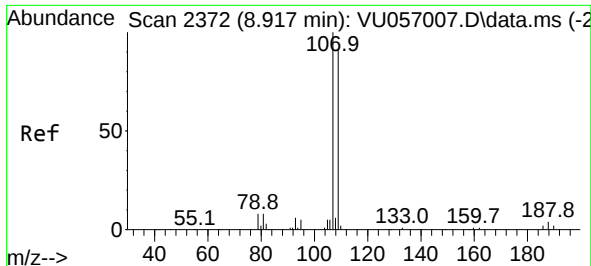
Tgt Ion: 91 Resp: 23914

Ion Ratio Lower Upper

91 100

92 58.0 40.4 75.0





#50

1,2-Dibromoethane

Concen: 0.099 ug/L

RT: 8.933 min Scan# 21

Delta R.T. 0.016 min

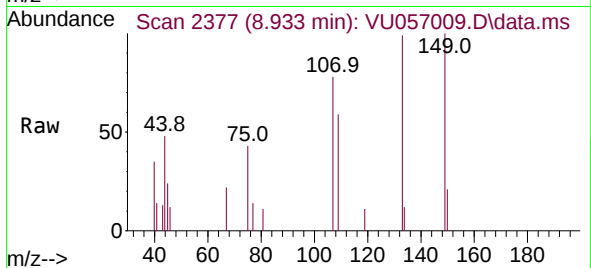
Lab File: VU057009.D

Acq: 18 Dec 2023 22:27

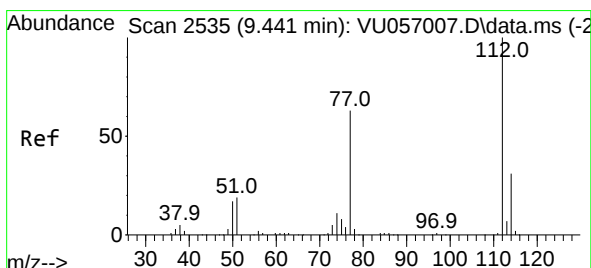
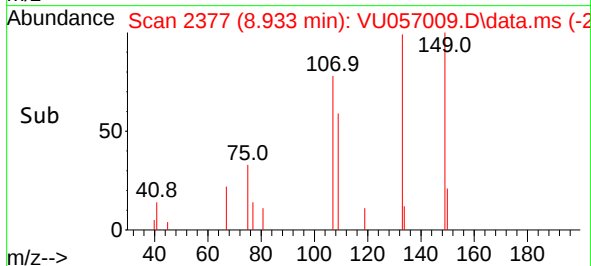
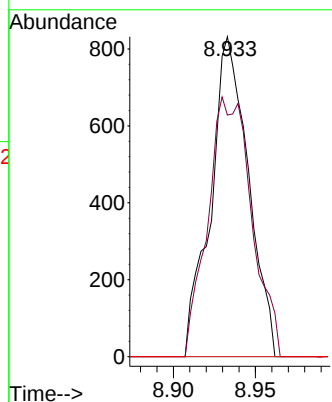
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	107	Resp:	1324
Ion	Ratio	Lower	Upper
107	100		
109	75.5	66.5	123.5
188	0.0	2.9	4.3#



#51

Chlorobenzene

Concen: 4.835 ug/L

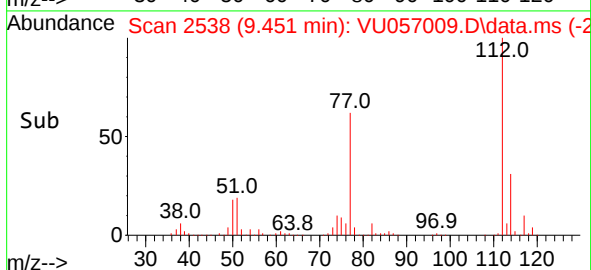
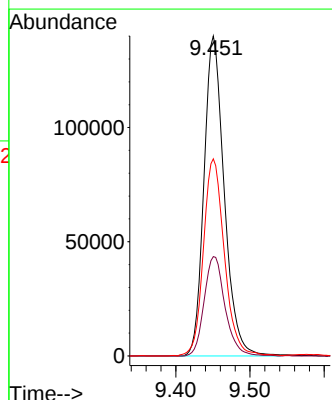
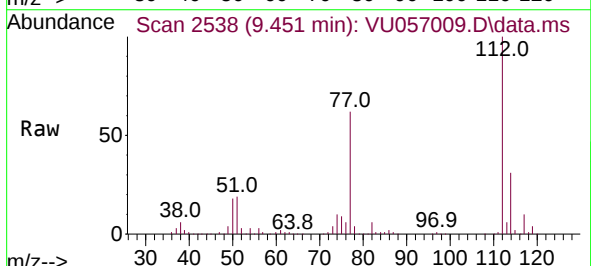
RT: 9.451 min Scan# 2538

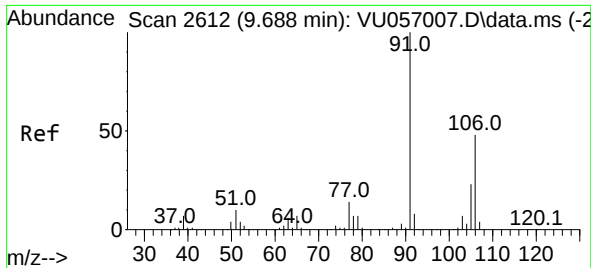
Delta R.T. 0.010 min

Lab File: VU057009.D

Acq: 18 Dec 2023 22:27

Tgt Ion:	112	Resp:	265620
Ion	Ratio	Lower	Upper
112	100		
114	31.1	21.9	40.7
77	61.6	51.6	77.4

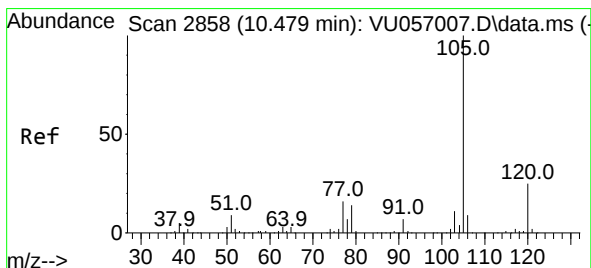
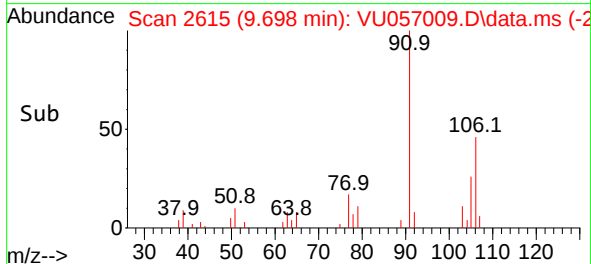
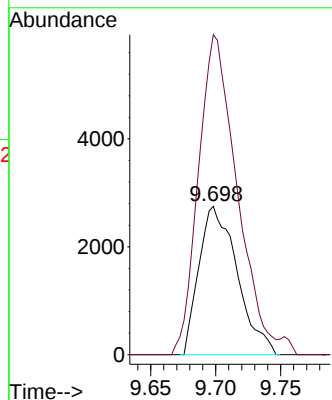
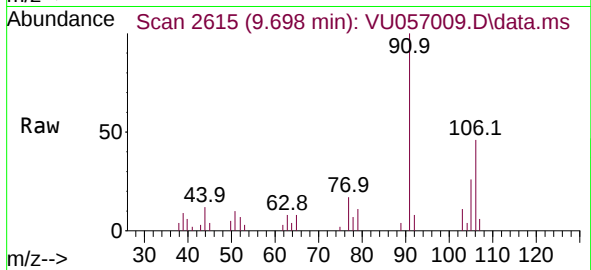




#53
m,p-Xylene
Concen: 0.159 ug/L
RT: 9.698 min Scan# 2615
Delta R.T. 0.010 min
Lab File: VU057009.D
Acq: 18 Dec 2023 22:27

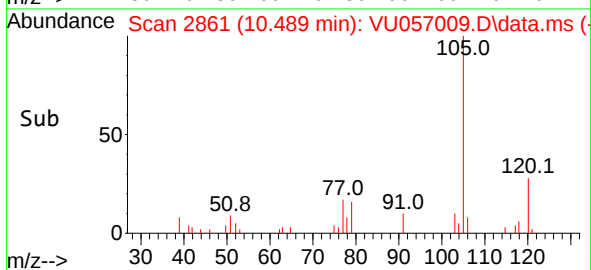
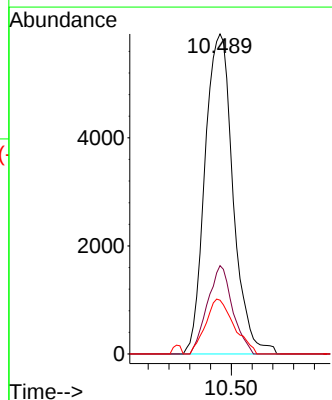
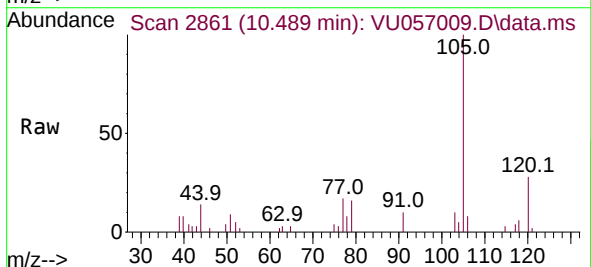
Instrument :
MSVOA_U
ClientSampleId :

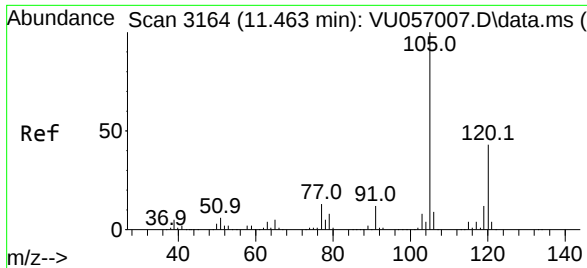
Tgt Ion:106 Resp: 5632
Ion Ratio Lower Upper
106 100
91 215.6 154.0 286.0



#60
Isopropylbenzene
Concen: 0.140 ug/L
RT: 10.489 min Scan# 2861
Delta R.T. 0.010 min
Lab File: VU057009.D
Acq: 18 Dec 2023 22:27

Tgt Ion:105 Resp: 11113
Ion Ratio Lower Upper
105 100
120 24.6 20.1 30.1
77 0.0 13.2 19.8#

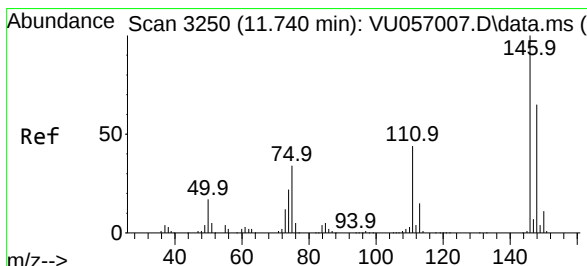
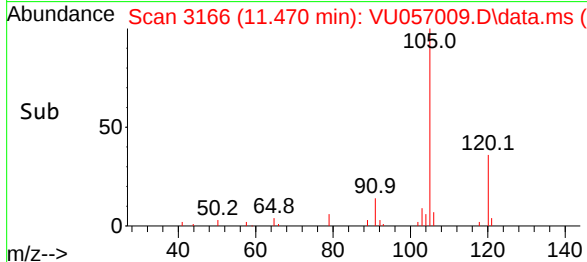
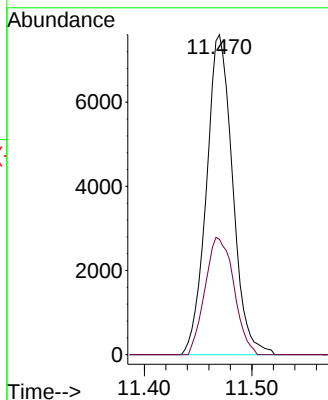
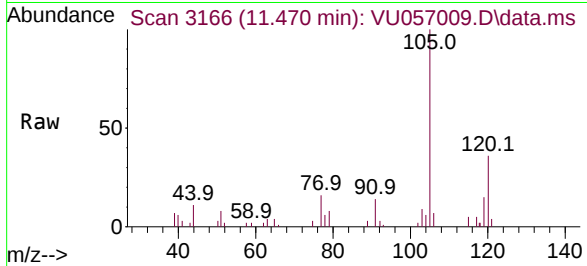




#63
1,2,4-Trimethylbenzene
Concen: 0.200 ug/L
RT: 11.470 min Scan# 3166
Delta R.T. 0.006 min
Lab File: VU057009.D
Acq: 18 Dec 2023 22:27

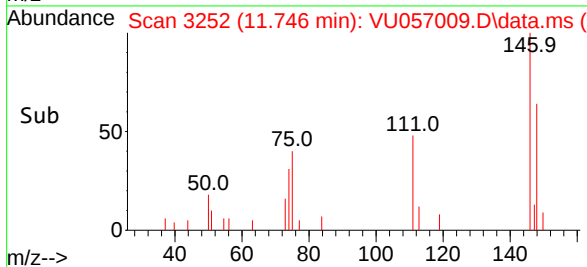
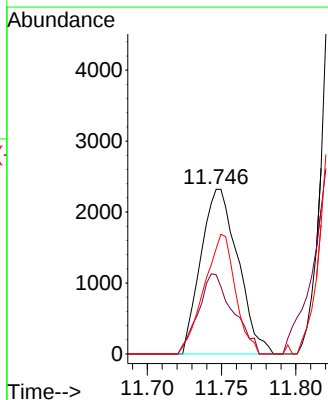
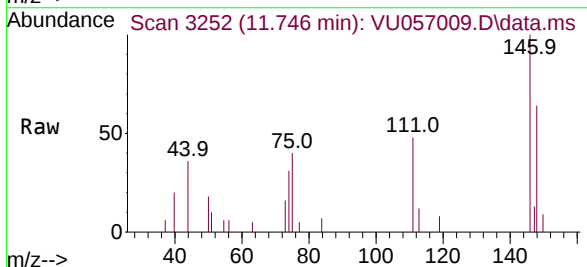
Instrument :
MSVOA_U
ClientSampleId :

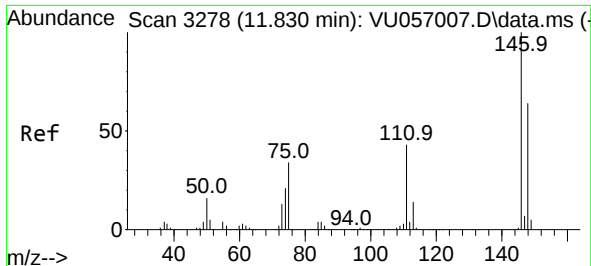
Tgt Ion:105 Resp: 12869
Ion Ratio Lower Upper
105 100
120 40.2 34.2 51.4



#64
1,3-Dichlorobenzene
Concen: 0.108 ug/L
RT: 11.746 min Scan# 3252
Delta R.T. 0.006 min
Lab File: VU057009.D
Acq: 18 Dec 2023 22:27

Tgt Ion:146 Resp: 4039
Ion Ratio Lower Upper
146 100
111 48.1 31.7 58.9
148 63.8 44.3 82.3

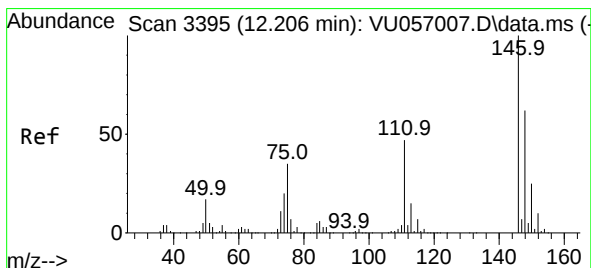
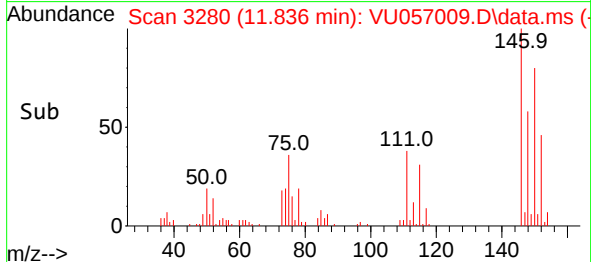
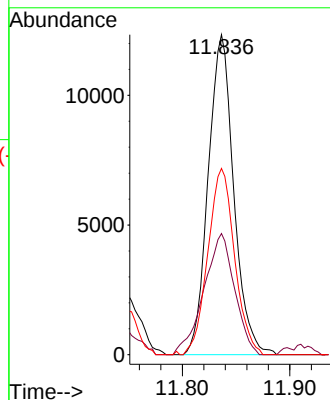
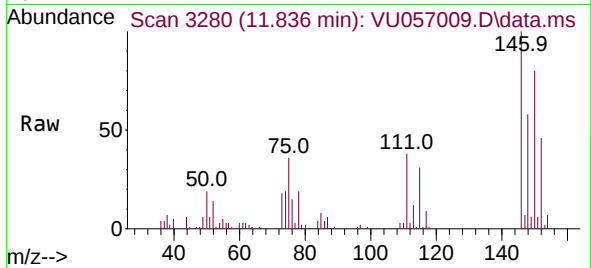




#65
1,4-Dichlorobenzene
Concen: 0.551 ug/L
RT: 11.836 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU057009.D
Acq: 18 Dec 2023 22:27

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:146 Resp: 20359
Ion Ratio Lower Upper
146 100
111 37.9 31.2 58.0
148 58.2 45.6 84.8



#67
1,2-Dichlorobenzene
Concen: 0.191 ug/L
RT: 12.213 min Scan# 3397
Delta R.T. 0.006 min
Lab File: VU057009.D
Acq: 18 Dec 2023 22:27

Tgt Ion:146 Resp: 6532
Ion Ratio Lower Upper
146 100
111 50.9 36.9 55.3
148 66.0 53.0 79.4

