

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041123\
 Data File : VU053644.D
 Acq On : 11 Apr 2023 18:45
 Operator : JC/MD
 Sample : 02252-04 200X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COMEO

Quant Time: Apr 12 02:26:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 12 02:22:37 2023
 Response via : Initial Calibration

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

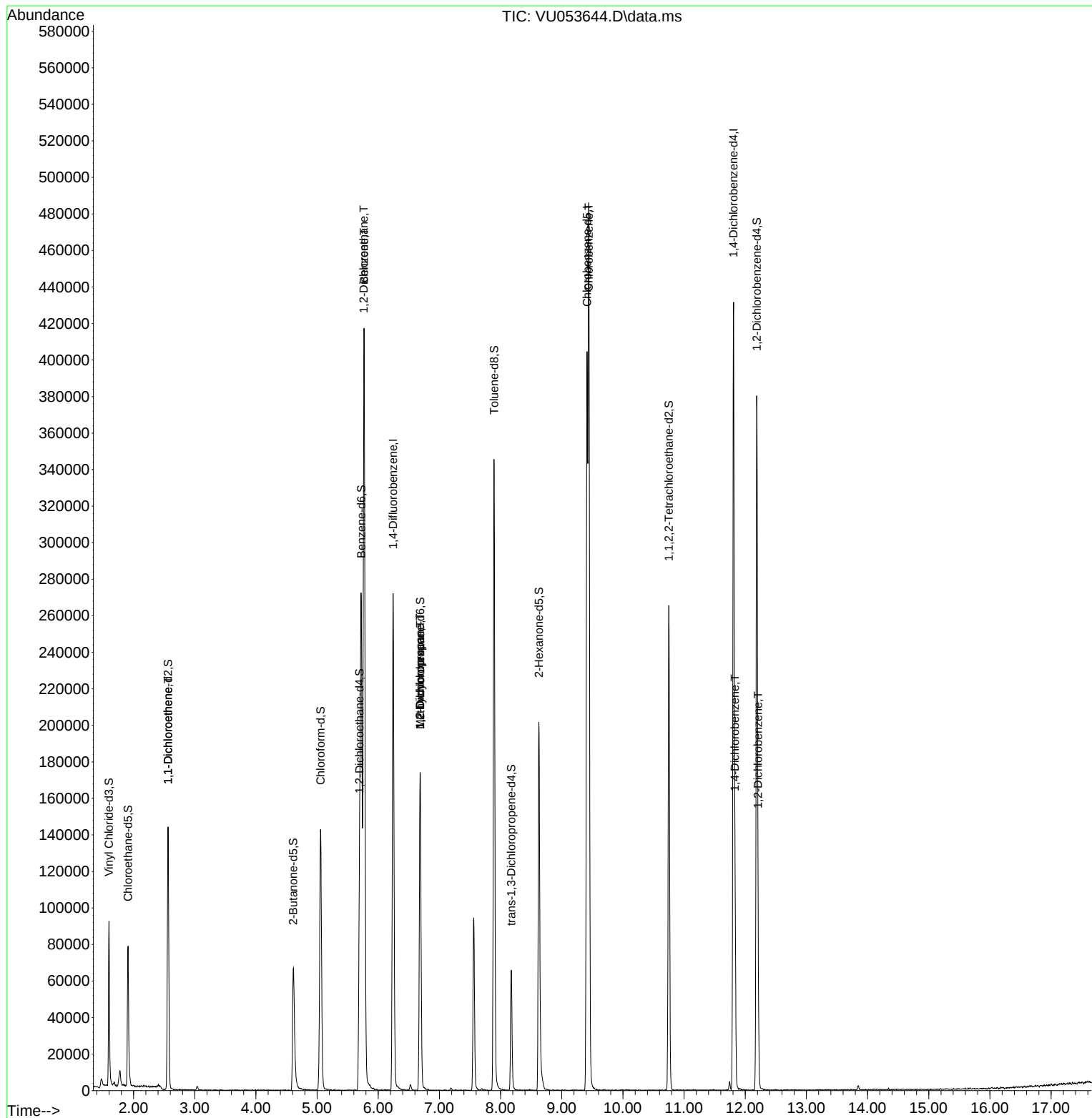
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	230002	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	221306	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	112488	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	65898	36.795	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.600%
7) Chloroethane-d5	1.909	69	61158	44.290	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.580%
11) 1,1-Dichloroethene-d2	2.562	63	83090	29.971	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.940%#
21) 2-Butanone-d5	4.610	46	94447	116.478	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.480%
24) Chloroform-d	5.057	84	130603	44.094	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.180%
26) 1,2-Dichloroethane-d4	5.694	65	86338	49.331	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.660%
32) Benzene-d6	5.723	84	262205	43.894	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.780%
36) 1,2-Dichloropropane-d6	6.687	67	84879	46.487	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.980%
41) Toluene-d8	7.893	98	235819	39.718	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.440%#
43) trans-1,3-Dichloroprop...	8.176	79	38574	40.927	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.860%
47) 2-Hexanone-d5	8.626	63	72495	116.337	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.340%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	129259	50.227	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.460%
66) 1,2-Dichlorobenzene-d4	12.189	152	100046	42.609	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.220%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.562	96	792	0.561	ug/L #	1
27) 1,2-Dichloroethane	5.764	62	3457	1.752	ug/L #	72
33) Benzene	5.768	78	412211	71.490	ug/L	100
35) Methylcyclohexane	6.687	83	19989	7.798	ug/L #	23
37) 1,2-Dichloropropane	6.684	63	8624	5.890	ug/L #	86
51) Chlorobenzene	9.443	112	268418	59.620	ug/L	96
65) 1,4-Dichlorobenzene	11.832	146	43210	12.200	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	21708	6.268	ug/L	95

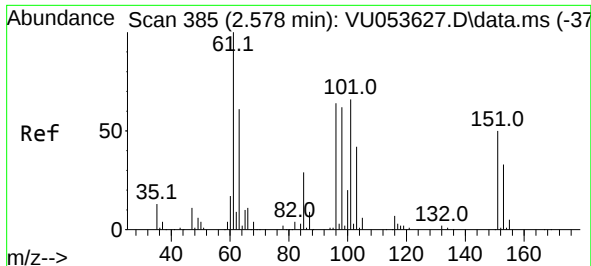
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 12 02:22:37 2023
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#12

1,1-Dichloroethene

Concen: 0.561 ug/L

RT: 2.562 min Scan# 31

Delta R.T. -0.016 min

Lab File: VU053644.D

Acq: 11 Apr 2023 18:45

Instrument :

MSVOA_U

ClientSampleId :

COME0

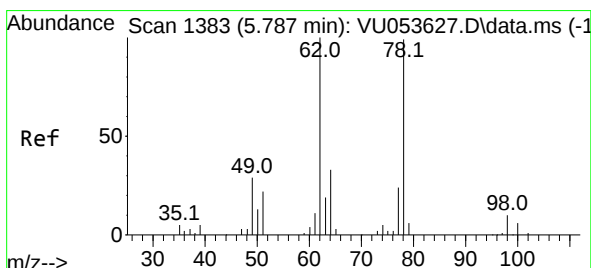
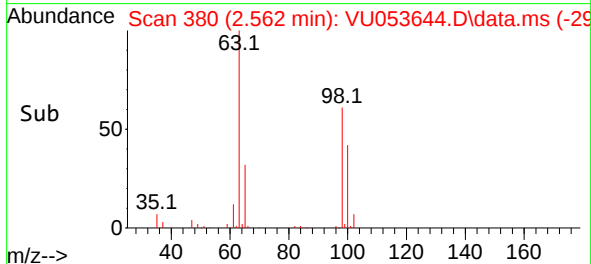
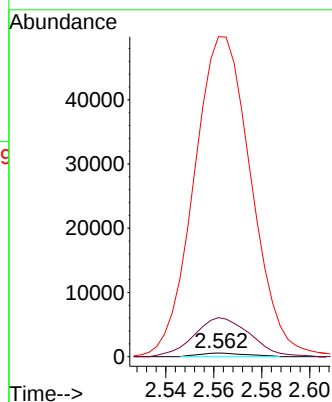
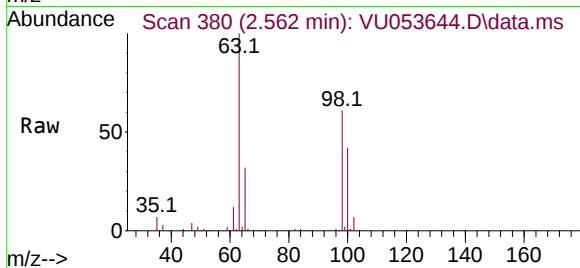
Tgt Ion: 96 Resp: 792

Ion Ratio Lower Upper

96 100

61 1066.1 107.9 200.5#

63 8742.5 79.1 146.9#



#27

1,2-Dichloroethane

Concen: 1.752 ug/L

RT: 5.764 min Scan# 1376

Delta R.T. -0.023 min

Lab File: VU053644.D

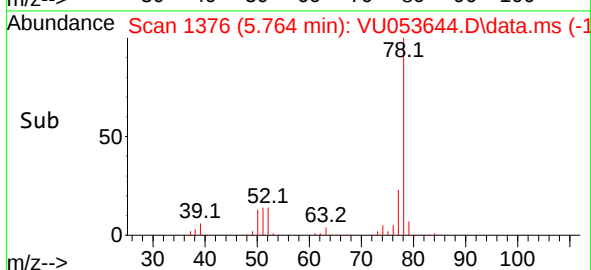
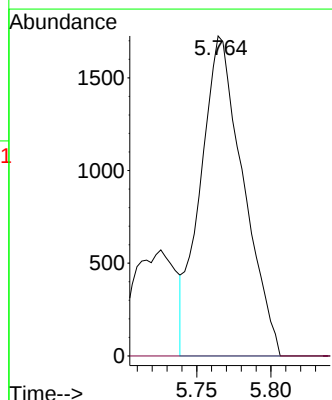
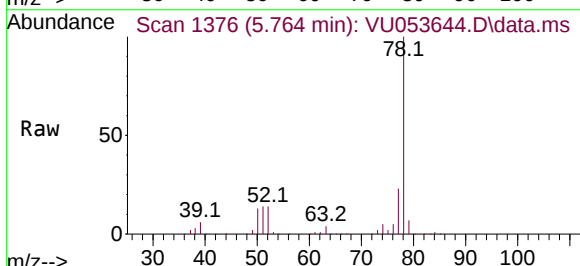
Acq: 11 Apr 2023 18:45

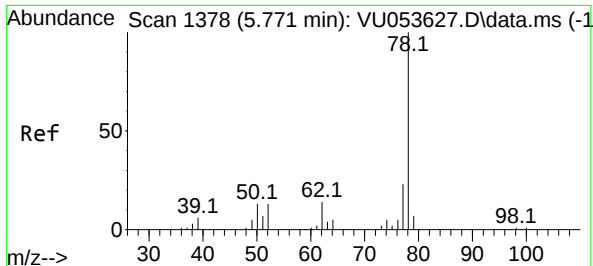
Tgt Ion: 62 Resp: 3457

Ion Ratio Lower Upper

62 100

98 0.0 8.3 12.5#

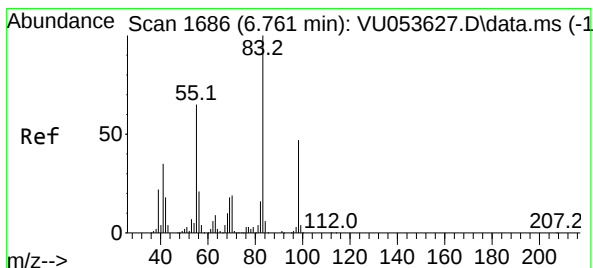
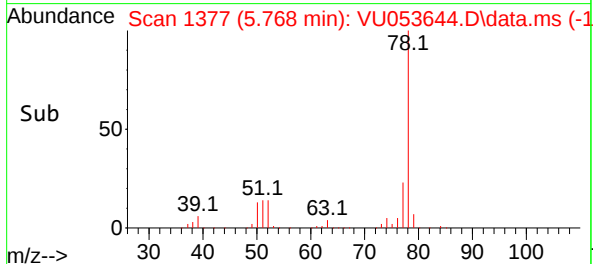
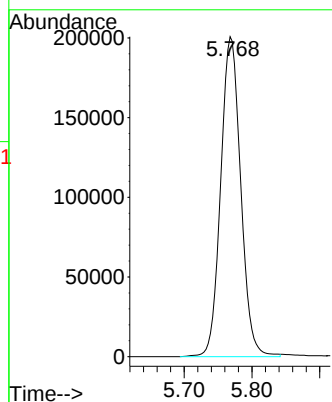
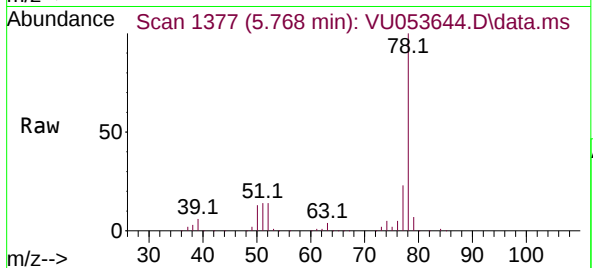




#33
Benzene
Concen: 71.490 ug/L
RT: 5.768 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU053644.D
Acq: 11 Apr 2023 18:45

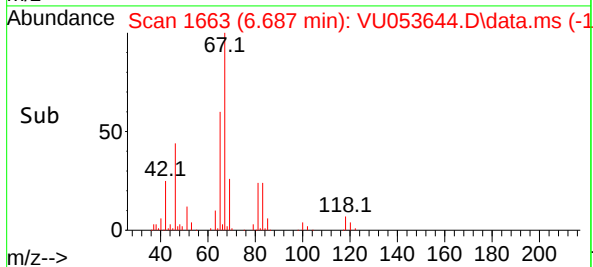
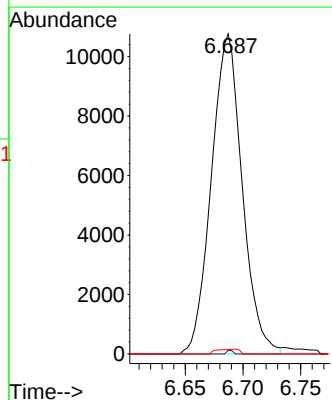
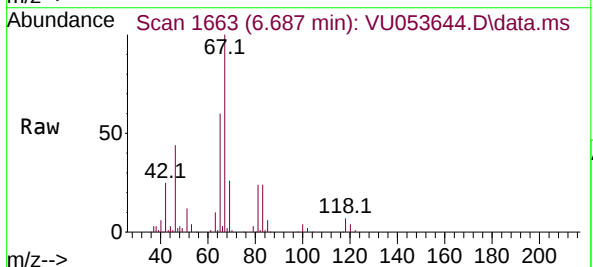
Instrument :
MSVOA_U
ClientSampleId :
COME0

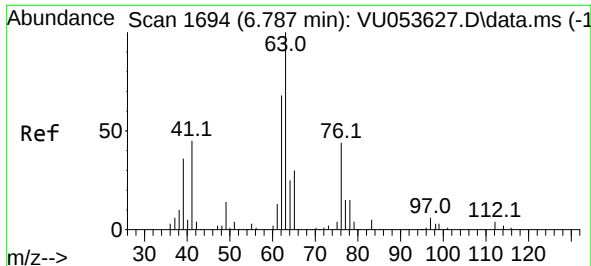
Tgt Ion: 78 Resp: 412211



#35
Methylcyclohexane
Concen: 7.798 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.074 min
Lab File: VU053644.D
Acq: 11 Apr 2023 18:45

Tgt Ion: 83 Resp: 19989
Ion Ratio Lower Upper
83 100
55 0.2 53.0 79.6#
98 1.1 39.0 58.6#





#37

1,2-Dichloropropane

Concen: 5.890 ug/L

RT: 6.684 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU053644.D

Acq: 11 Apr 2023 18:45

Instrument :

MSVOA_U

ClientSampleId :

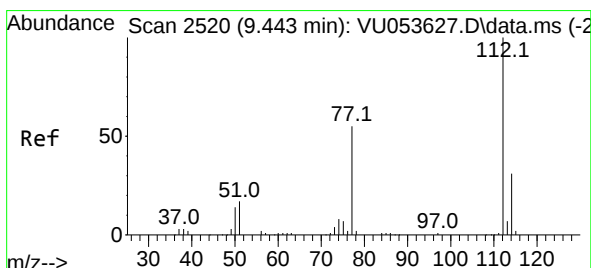
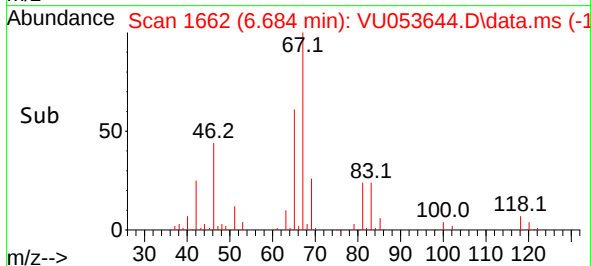
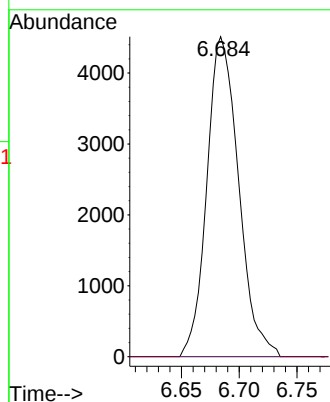
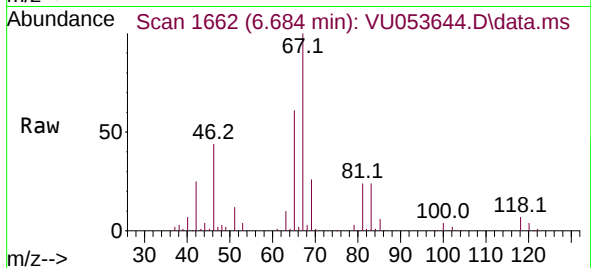
COMEO

Tgt Ion: 63 Resp: 8624

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#51

Chlorobenzene

Concen: 59.620 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU053644.D

Acq: 11 Apr 2023 18:45

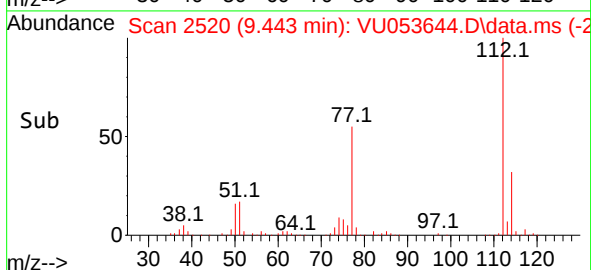
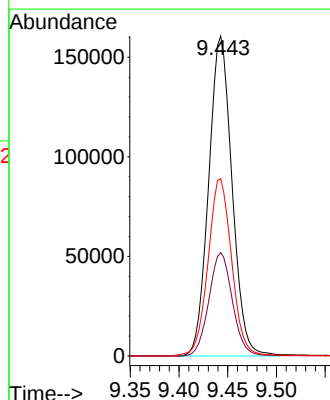
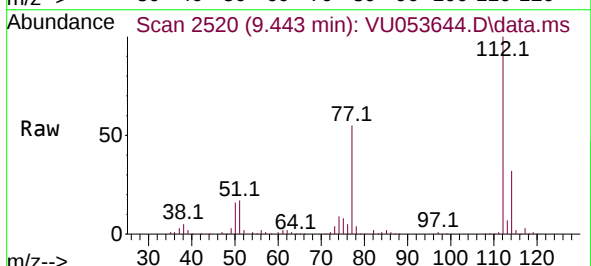
Tgt Ion: 112 Resp: 268418

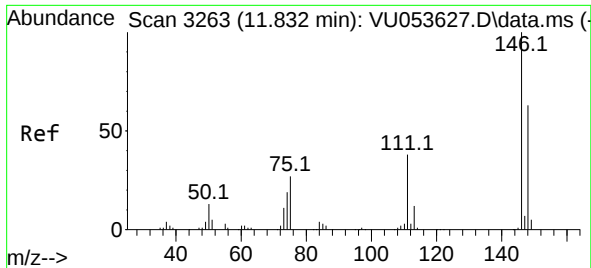
Ion Ratio Lower Upper

112 100

114 32.3 22.2 41.2

77 55.4 41.3 61.9

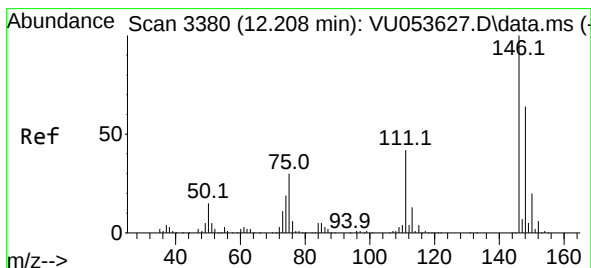
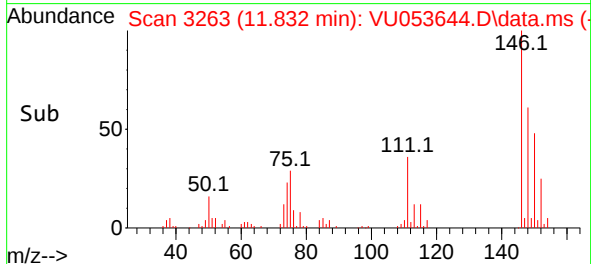
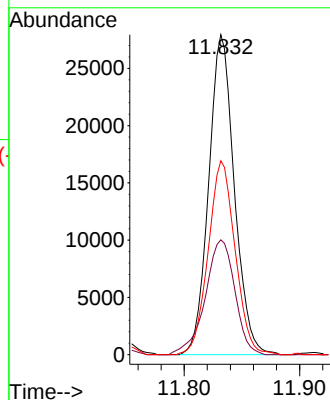
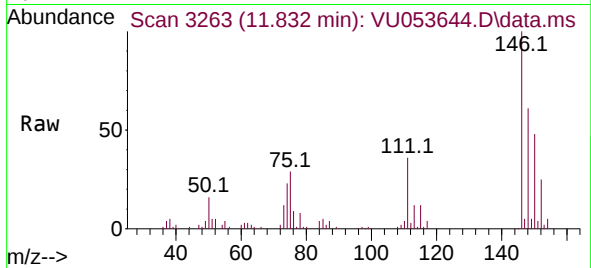




#65
1,4-Dichlorobenzene
Concen: 12.200 ug/L
RT: 11.832 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU053644.D
Acq: 11 Apr 2023 18:45

Instrument :
MSVOA_U
ClientSampleId :
COMEO

Tgt Ion:146 Resp: 43210
Ion Ratio Lower Upper
146 100
111 35.9 25.1 46.5
148 60.6 44.3 82.3



#67
1,2-Dichlorobenzene
Concen: 6.268 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. -0.000 min
Lab File: VU053644.D
Acq: 11 Apr 2023 18:45

Tgt Ion:146 Resp: 21708
Ion Ratio Lower Upper
146 100
111 44.0 31.5 47.3
148 62.1 51.6 77.4

