

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102723\
 Data File : VU055924.D
 Acq On : 27 Oct 2023 15:30
 Operator : MD/SY
 Sample : 05009-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 27 23:55:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 25 05:19:13 2023
 Response via : Initial Calibration

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

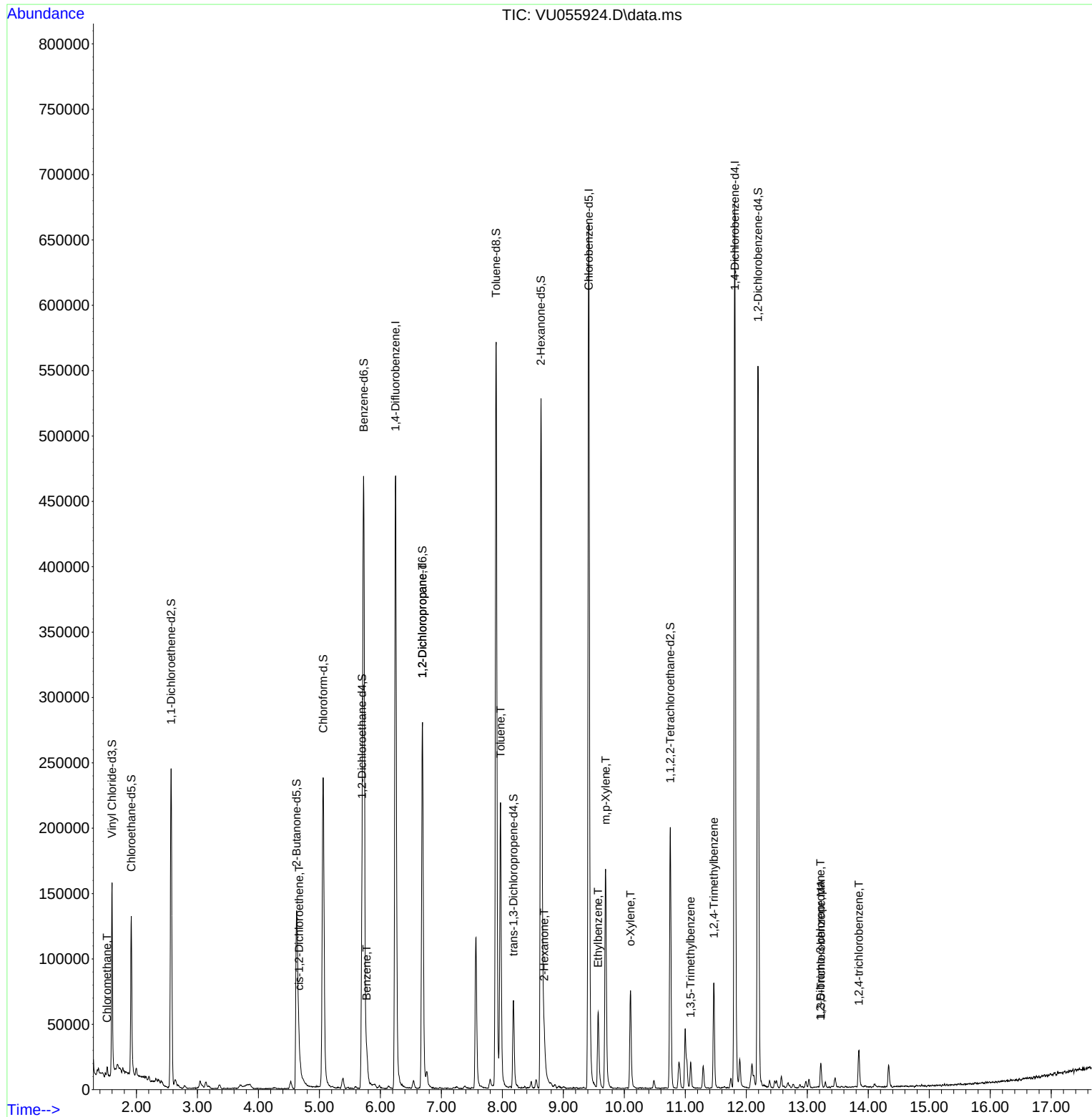
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	400625	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	395829	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	186080	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	101901	3.215	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.400%
7) Chloroethane-d5	1.914	69	92845	3.758	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.200%
11) 1,1-Dichloroethene-d2	2.567	65	46447	3.452	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.000%
20) 2-Butanone-d5	4.624	46	221199	39.125	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	78.240%
24) Chloroform-d	5.062	84	233238	3.972	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.400%
26) 1,2-Dichloroethane-d4	5.698	65	109722	3.835	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.800%
32) Benzene-d6	5.724	84	469144	3.979	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.600%
36) 1,2-Dichloropropane-d6	6.689	67	142617	4.080	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.600%
41) Toluene-d8	7.898	98	408755	3.822	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.400%
43) trans-1,3-Dichloroprop...	8.181	79	43203	3.160	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	63.200%
46) 2-Hexanone-d5	8.631	63	193516	55.764	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.520%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	104243	4.095	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	147366	4.245	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.800%
Target Compounds						Qvalue
3) Chloromethane	1.518	50	5394	0.247	ug/L	88
22) cis-1,2-Dichloroethene	4.666	96	2654	0.114	ug/L	89
33) Benzene	5.772	78	20801	0.238	ug/L	100
37) 1,2-Dichloropropane	6.689	63	15230	0.657	ug/L #	89
42) Toluene	7.968	91	164949	1.807	ug/L	99
48) 2-Hexanone	8.685	43	14474	1.646	ug/L #	61
52) Ethylbenzene	9.570	91	43588	0.421	ug/L	100
53) m,p-Xylene	9.692	106	52158	1.349	ug/L	95
54) o-Xylene	10.100	106	21270	0.562	ug/L	98
62) 1,3,5-Trimethylbenzene	11.087	105	11933	0.157	ug/L	99
63) 1,2,4-Trimethylbenzene	11.467	105	46653	0.663	ug/L	99
68) 1,2-Dibromo-3-chloropr...	13.216	75	1154	0.506	ug/L #	1
69) 1,3,5-Trichlorobenzene	13.222	180	6959	0.232	ug/L	96
70) 1,2,4-trichlorobenzene	13.846	180	9272	0.418	ug/L	95

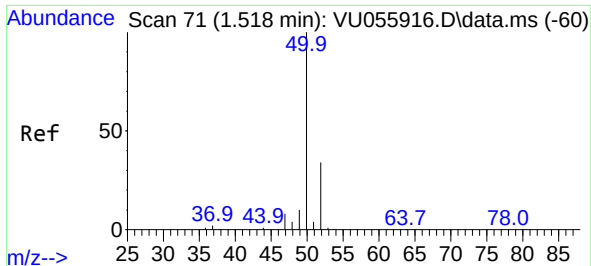
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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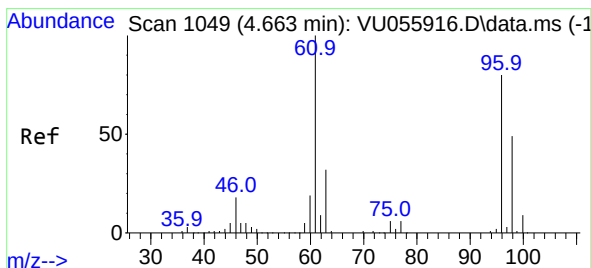
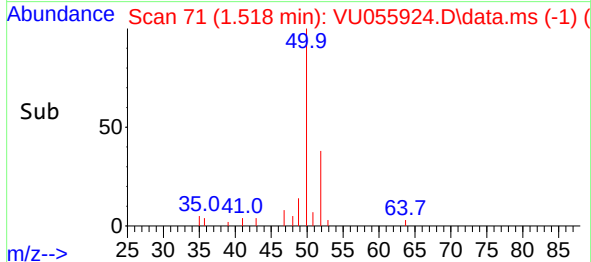
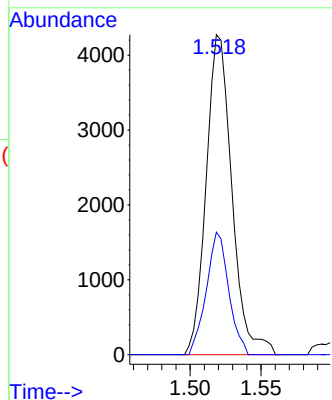
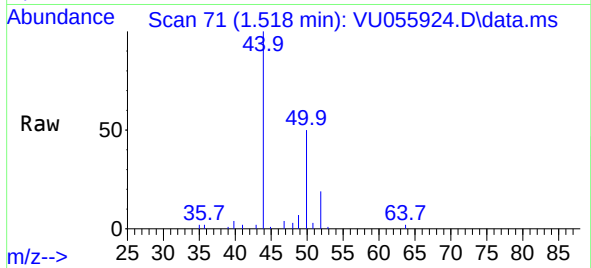




#3
Chloromethane
Concen: 0.247 ug/L
RT: 1.518 min Scan# 71
Delta R.T. 0.003 min
Lab File: VU055924.D
Acq: 27 Oct 2023 15:30

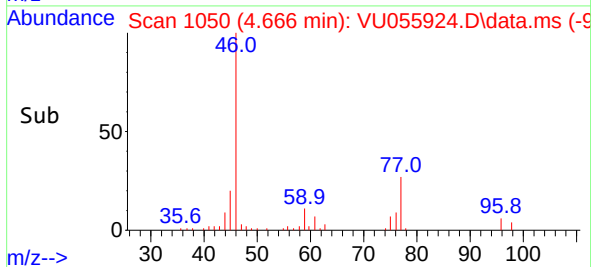
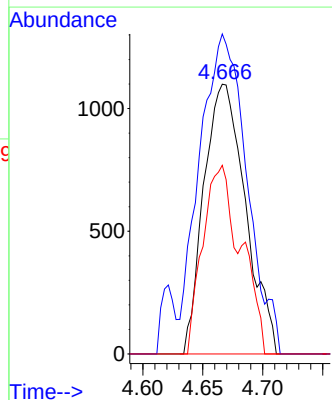
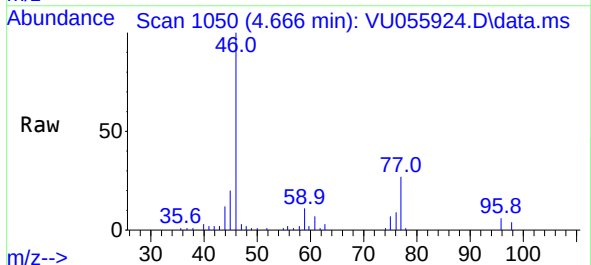
Instrument :
MSVOA_U
ClientSampleId :

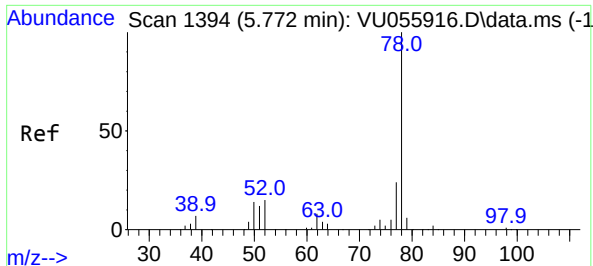
Tgt Ion: 50 Resp: 5394
Ion Ratio Lower Upper
50 100
52 38.3 22.0 40.8



#22
cis-1,2-Dichloroethene
Concen: 0.114 ug/L
RT: 4.666 min Scan# 1050
Delta R.T. 0.003 min
Lab File: VU055924.D
Acq: 27 Oct 2023 15:30

Tgt Ion: 96 Resp: 2654
Ion Ratio Lower Upper
96 100
61 118.7 93.8 174.2
98 70.0 45.6 84.8





Benzene

Concen: 0.238 ug/L

RT: 5.772 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU055924.D

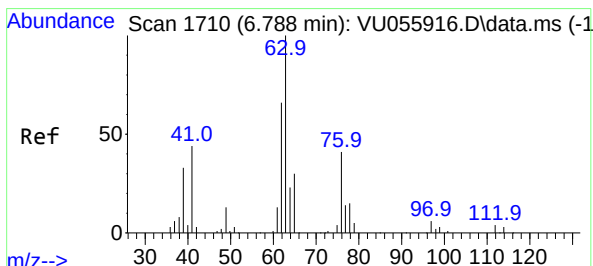
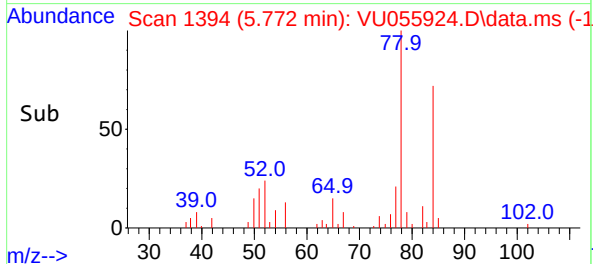
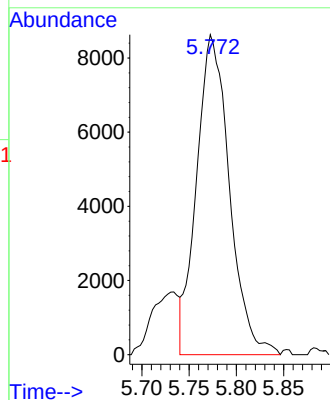
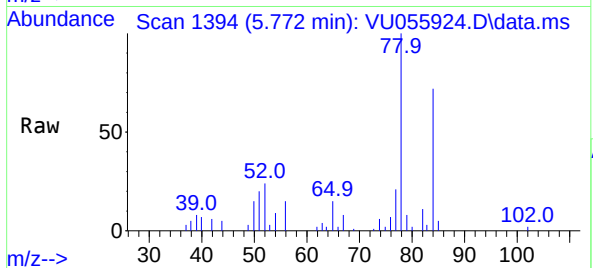
Acq: 27 Oct 2023 15:30

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 78 Resp: 20801



1,2-Dichloropropane

Concen: 0.657 ug/L

RT: 6.689 min Scan# 1679

Delta R.T. -0.096 min

Lab File: VU055924.D

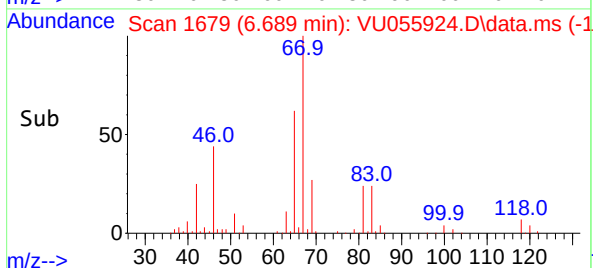
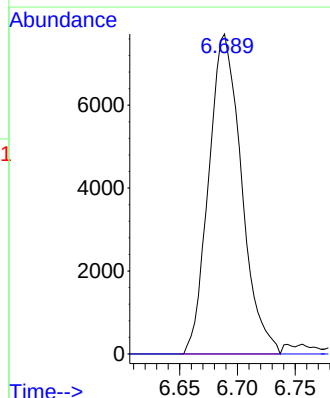
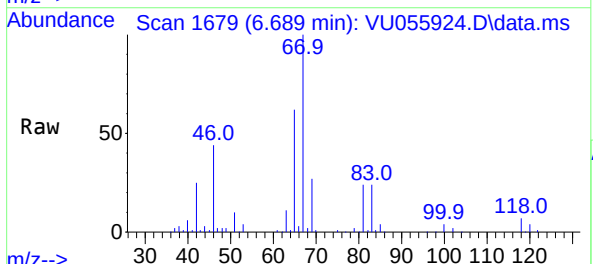
Acq: 27 Oct 2023 15:30

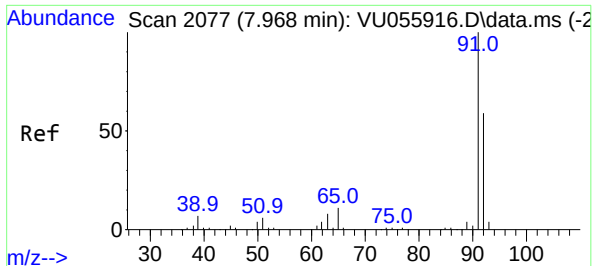
Tgt Ion: 63 Resp: 15230

Ion Ratio Lower Upper

63 100

112 0.3 3.1 4.7#

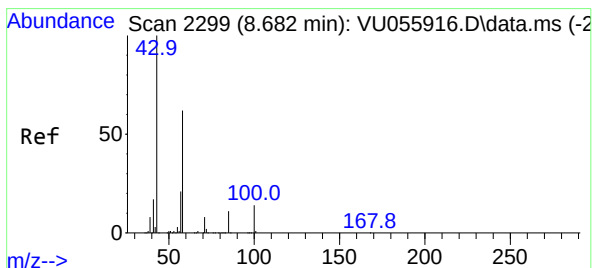
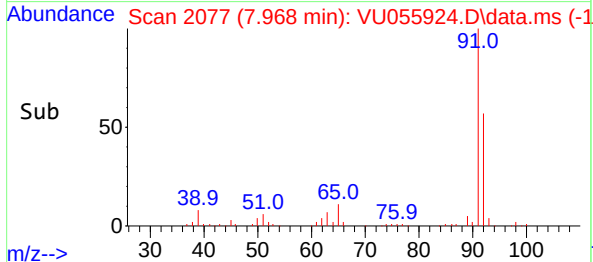
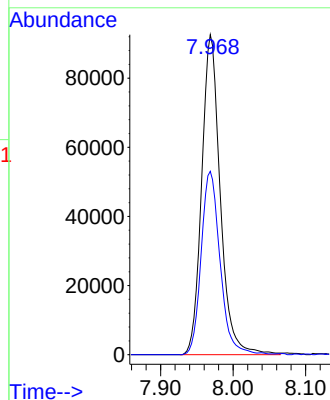
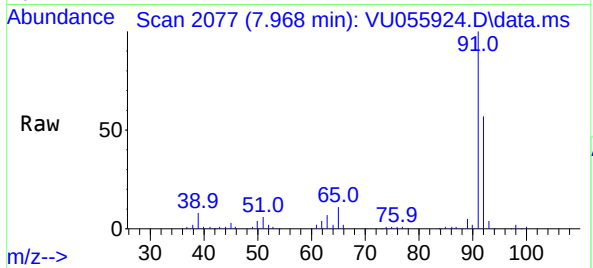




#42
Toluene
Concen: 1.807 ug/L
RT: 7.968 min Scan# 2077
Delta R.T. 0.003 min
Lab File: VU055924.D
Acq: 27 Oct 2023 15:30

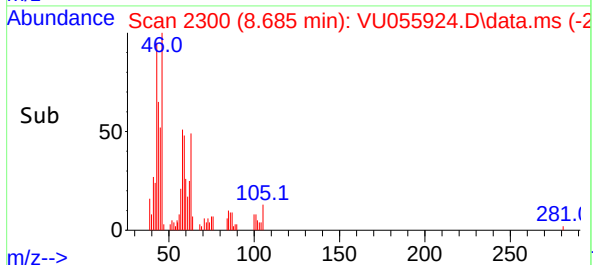
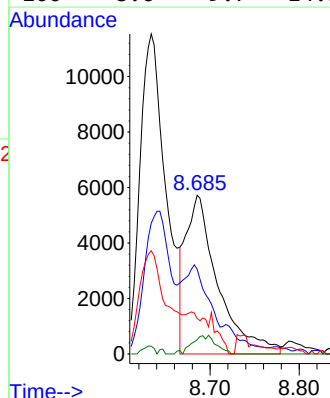
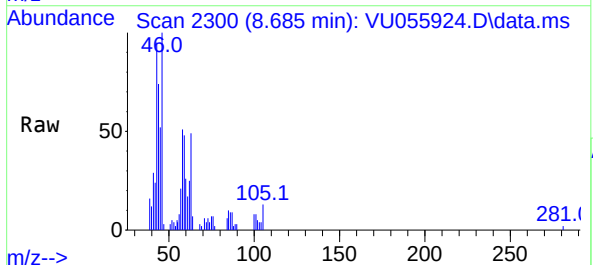
Instrument :
MSVOA_U
ClientSampleId :

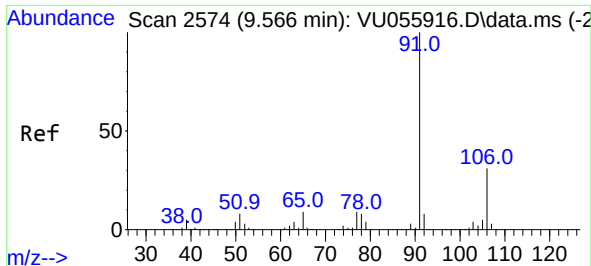
Tgt Ion: 91 Resp: 164949
Ion Ratio Lower Upper
91 100
92 57.3 40.6 75.4



#48
2-Hexanone
Concen: 1.646 ug/L
RT: 8.685 min Scan# 2300
Delta R.T. 0.003 min
Lab File: VU055924.D
Acq: 27 Oct 2023 15:30

Tgt Ion: 43 Resp: 14474
Ion Ratio Lower Upper
43 100
58 26.0 49.5 74.3#
57 4.4 16.9 25.3#
100 8.6 9.7 14.5#

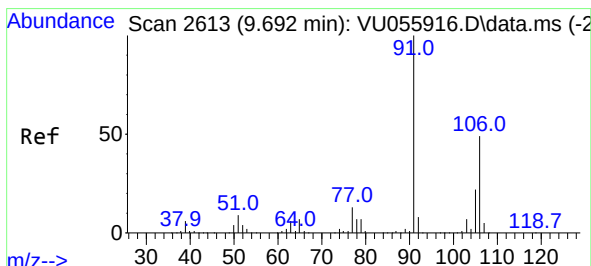
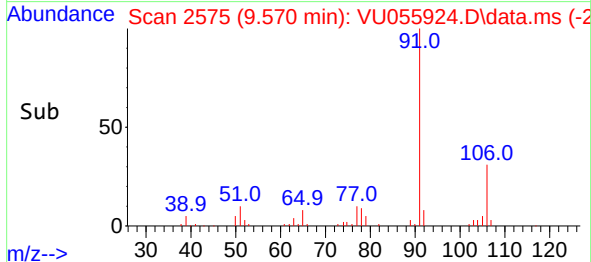
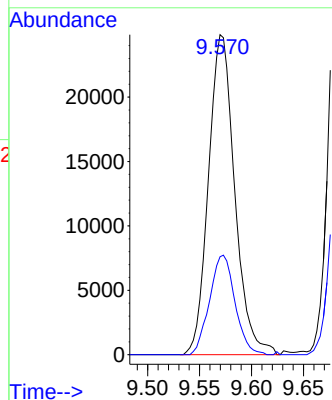
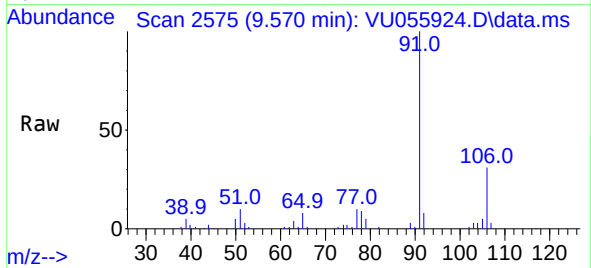




#52
Ethylbenzene
Concen: 0.421 ug/L
RT: 9.570 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055924.D
Acq: 27 Oct 2023 15:30

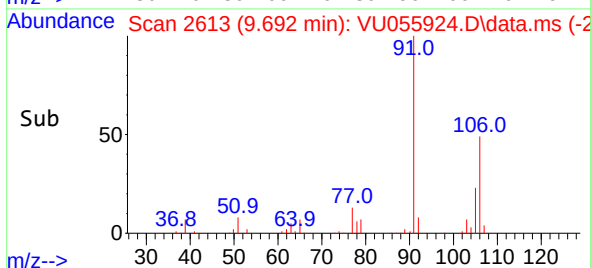
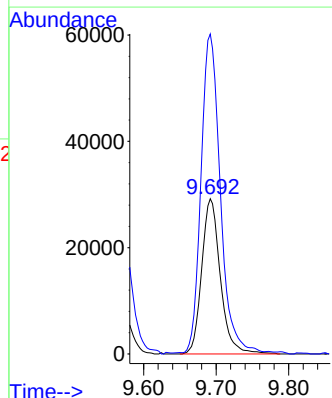
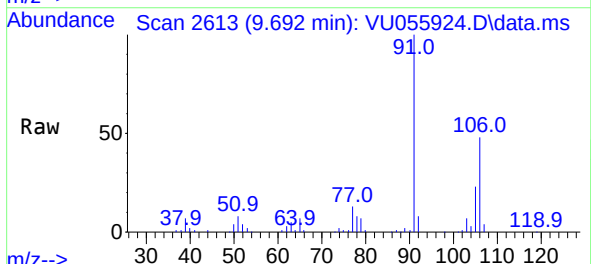
Instrument :
MSVOA_U
ClientSampleId :

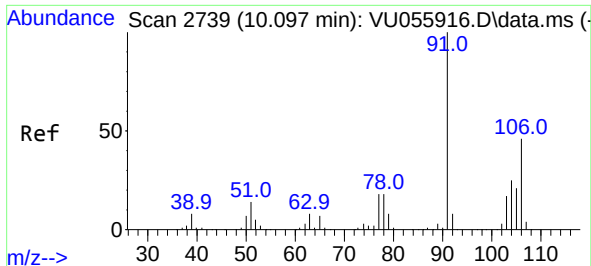
Tgt Ion: 91 Resp: 43588
Ion Ratio Lower Upper
91 100
106 30.6 21.3 39.5



#53
m,p-Xylene
Concen: 1.349 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU055924.D
Acq: 27 Oct 2023 15:30

Tgt Ion: 106 Resp: 52158
Ion Ratio Lower Upper
106 100
91 206.2 150.4 279.2

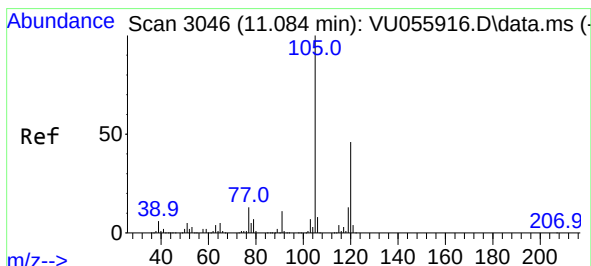
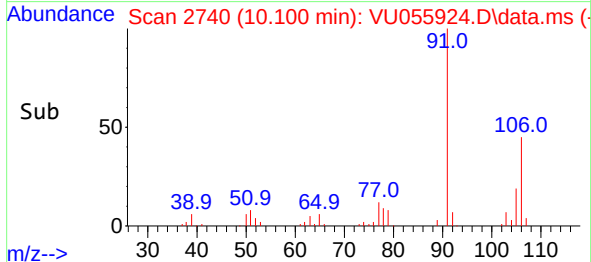
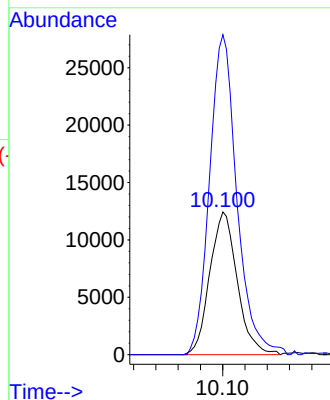
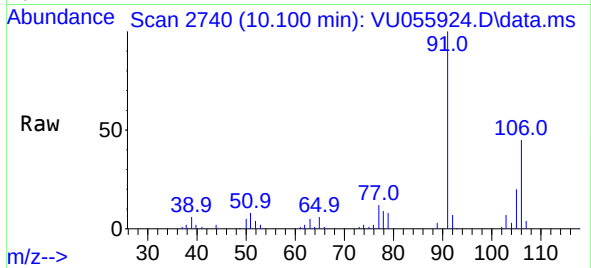




#54
o-Xylene
Concen: 0.562 ug/L
RT: 10.100 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055924.D
Acq: 27 Oct 2023 15:30

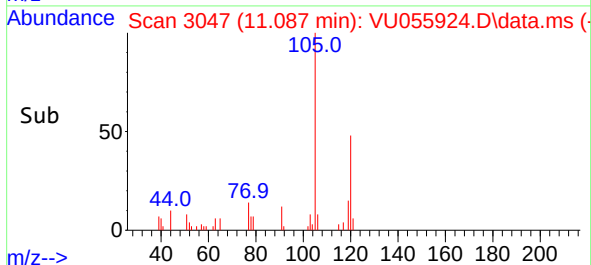
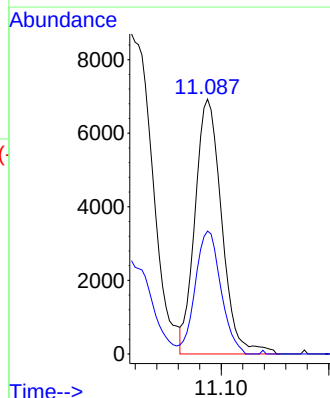
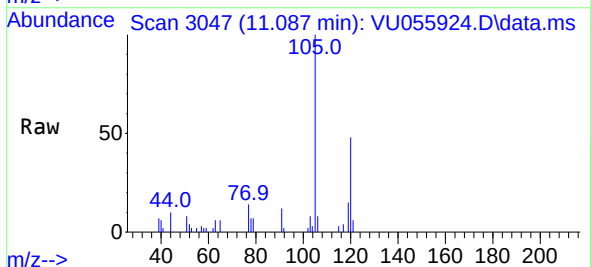
Instrument :
MSVOA_U
ClientSampleId :

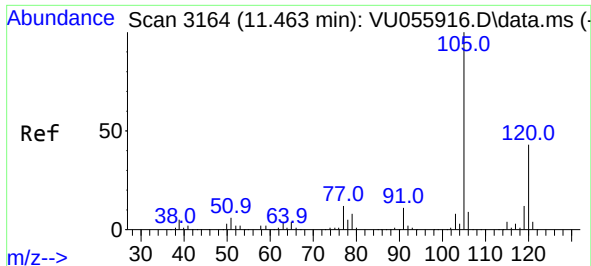
Tgt Ion:106 Resp: 21270
Ion Ratio Lower Upper
106 100
91 224.1 154.6 287.2



#62
1,3,5-Trimethylbenzene
Concen: 0.157 ug/L
RT: 11.087 min Scan# 3047
Delta R.T. 0.003 min
Lab File: VU055924.D
Acq: 27 Oct 2023 15:30

Tgt Ion:105 Resp: 11933
Ion Ratio Lower Upper
105 100
120 46.4 37.4 56.2

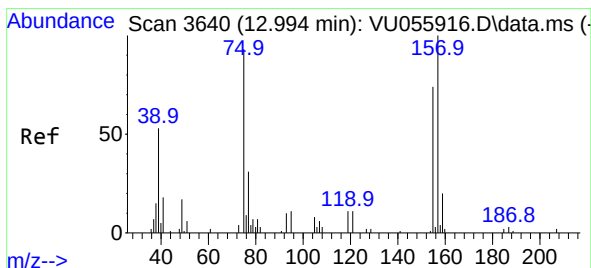
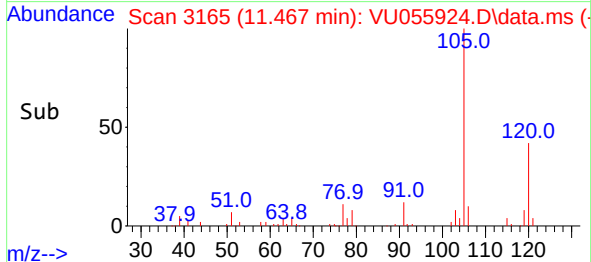
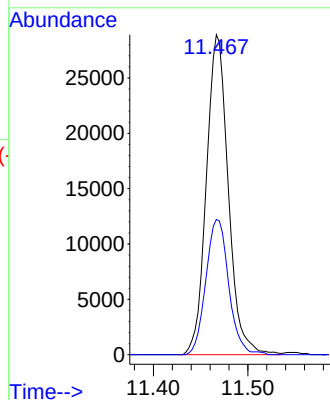
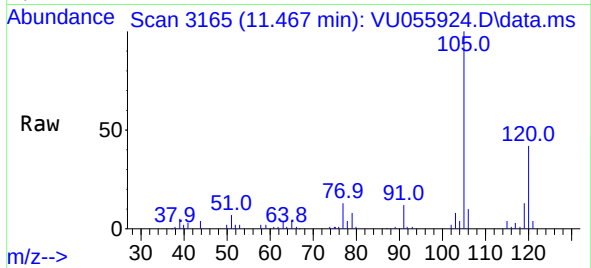




#63
1,2,4-Trimethylbenzene
Concen: 0.663 ug/L
RT: 11.467 min Scan# 3165
Delta R.T. 0.003 min
Lab File: VU055924.D
Acq: 27 Oct 2023 15:30

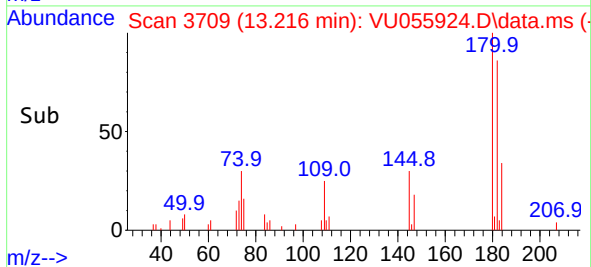
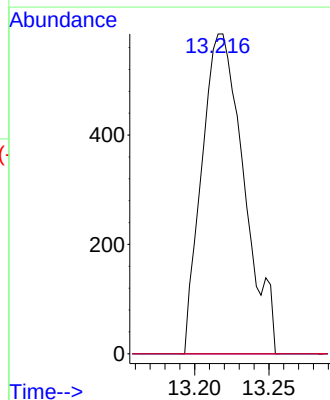
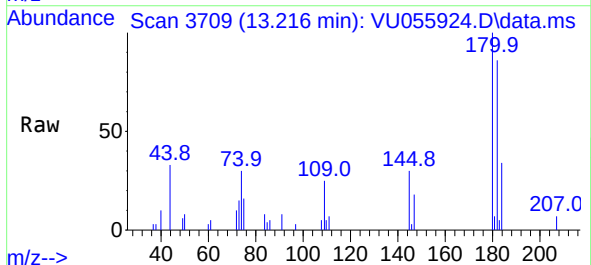
Instrument :
MSVOA_U
ClientSampleId :

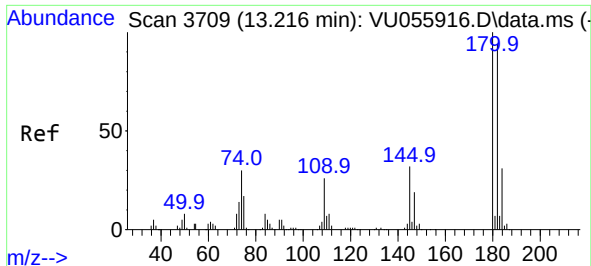
Tgt Ion:105 Resp: 46653
Ion Ratio Lower Upper
105 100
120 43.9 34.6 52.0



#68
1,2-Dibromo-3-chloropropane
Concen: 0.506 ug/L
RT: 13.216 min Scan# 3709
Delta R.T. 0.222 min
Lab File: VU055924.D
Acq: 27 Oct 2023 15:30

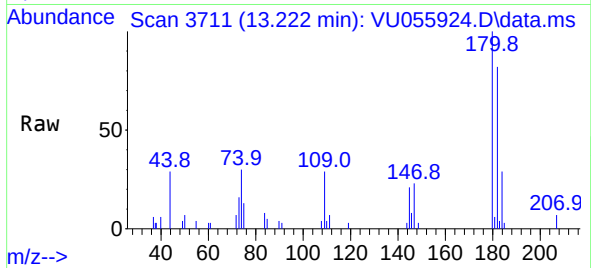
Tgt Ion: 75 Resp: 1154
Ion Ratio Lower Upper
75 100
155 0.0 65.3 97.9#
157 0.0 87.9 131.9#



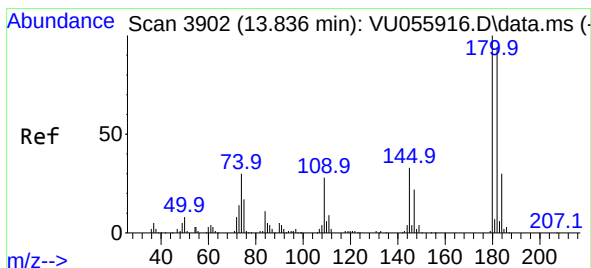
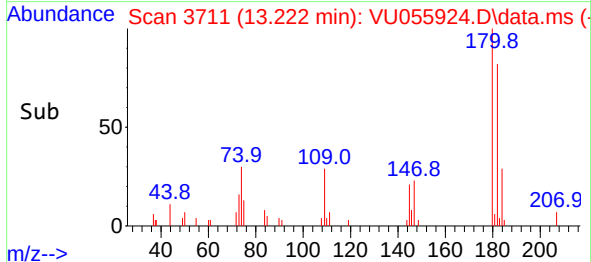
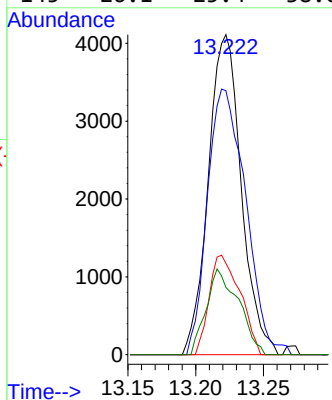


#69
1,3,5-Trichlorobenzene
Concen: 0.232 ug/L
RT: 13.222 min Scan# 31
Delta R.T. 0.007 min
Lab File: VU055924.D
Acq: 27 Oct 2023 15:30

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:180 Resp: 6959
Ion Ratio Lower Upper
180 100
182 96.1 74.7 112.1
184 29.2 23.8 35.8
145 26.1 25.4 38.0



#70
1,2,4-trichlorobenzene
Concen: 0.418 ug/L
RT: 13.846 min Scan# 3905
Delta R.T. 0.010 min
Lab File: VU055924.D
Acq: 27 Oct 2023 15:30

Tgt Ion:180 Resp: 9272
Ion Ratio Lower Upper
180 100
182 99.8 76.1 114.1
145 35.1 26.4 39.6

