

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121523\
 Data File : VU056911.D
 Acq On : 16 Dec 2023 04:31
 Operator : MD/SY
 Sample : 05771-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E0YA1

Quant Time: Dec 16 05:14:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 15 01:53:53 2023
 Response via : Initial Calibration

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

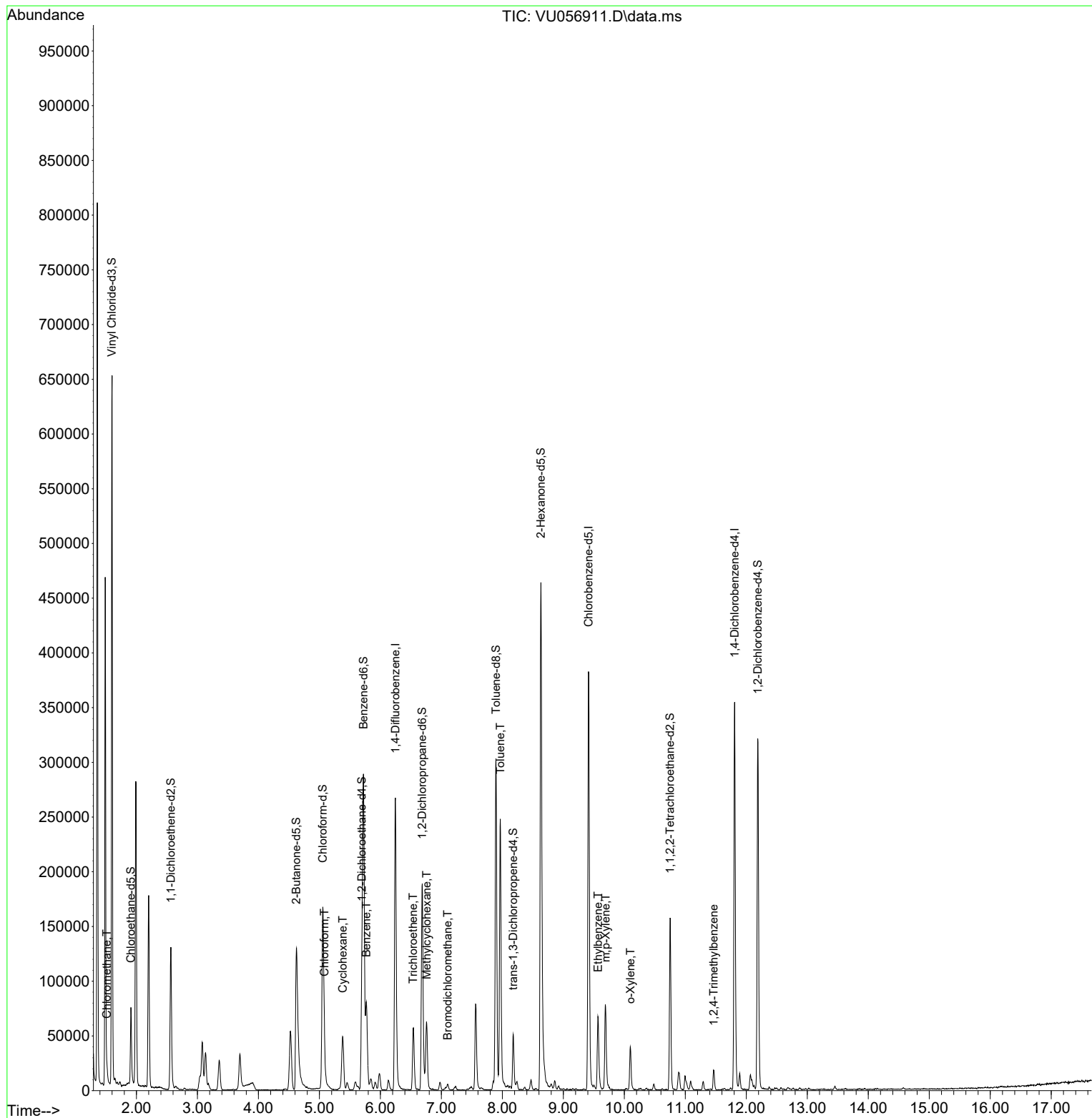
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	217122	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	223220	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	95438	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	54727	2.941	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	58.800%
7) Chloroethane-d5	1.907	69	49801	3.576	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	71.600%
11) 1,1-Dichloroethene-d2	2.563	65	25477	3.200	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.000%
20) 2-Butanone-d5	4.621	46	217403	59.151	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.300%
24) Chloroform-d	5.055	84	156175	4.431	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.600%
26) 1,2-Dichloroethane-d4	5.695	65	78389	4.700	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.000%
32) Benzene-d6	5.721	84	267739	3.867	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.400%
36) 1,2-Dichloropropane-d6	6.685	67	93381	4.309	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.200%
41) Toluene-d8	7.894	98	206240	3.333	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	66.600%#
43) trans-1,3-Dichloroprop...	8.177	79	31000	3.689	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.800%
46) 2-Hexanone-d5	8.631	63	160892	50.760	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.520%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	80390	5.127	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	84537	4.506	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.200%
Target Compounds						
3) Chloromethane	1.515	50	4336	0.194	ug/L	98
25) Chloroform	5.081	83	16284	0.452	ug/L	94
30) Cyclohexane	5.383	56	23569	0.778	ug/L	93
33) Benzene	5.769	78	79645	1.015	ug/L	100
34) Trichloroethene	6.538	95	21875	1.017	ug/L	93
35) Methylcyclohexane	6.759	83	22405	0.706	ug/L	95
38) Bromodichloromethane	7.103	83	4202	0.164	ug/L	85
42) Toluene	7.965	91	188452	2.322	ug/L	97
52) Ethylbenzene	9.566	91	49460	0.552	ug/L	98
53) m,p-Xylene	9.692	106	23122	0.693	ug/L	85
54) o-Xylene	10.100	106	10589	0.333	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	10296	0.168	ug/L	98

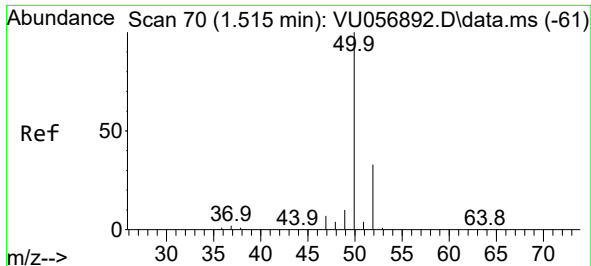
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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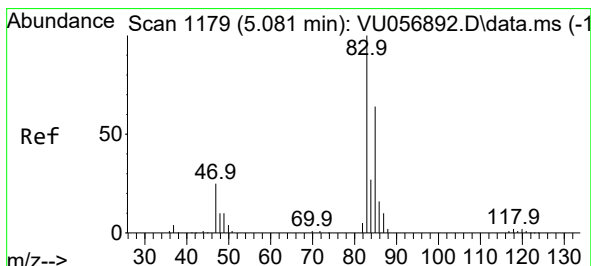
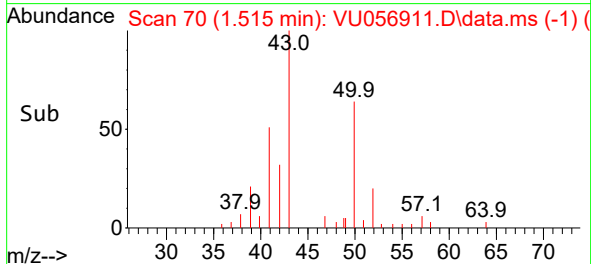
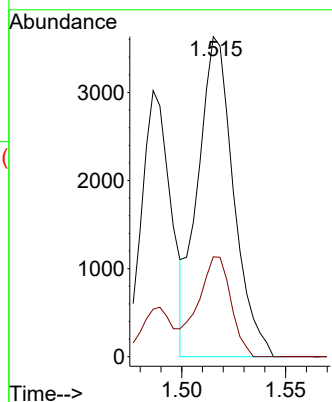
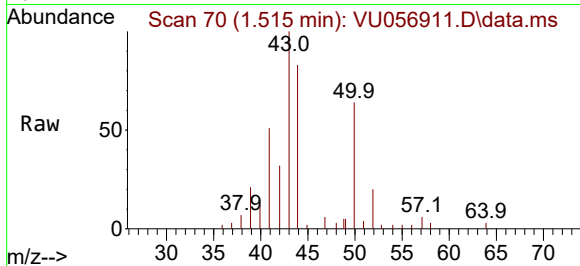




#3
Chloromethane
Concen: 0.194 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.000 min
Lab File: VU056911.D
Acq: 16 Dec 2023 04:31

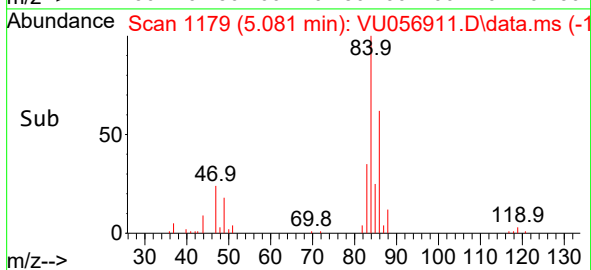
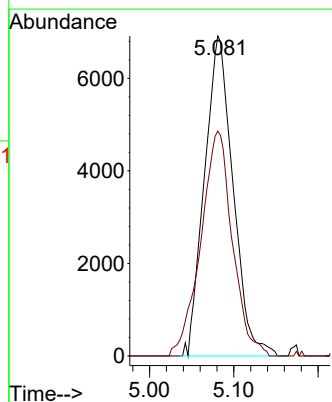
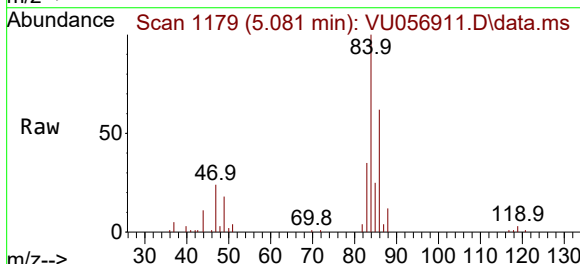
Instrument :
MSVOA_U
ClientSampleId :
E0YA1

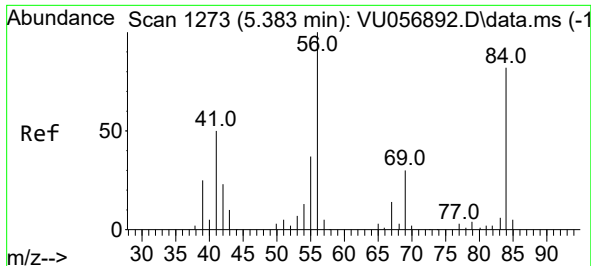
Tgt Ion: 50 Resp: 4336
Ion Ratio Lower Upper
50 100
52 31.2 22.5 41.7



#25
Chloroform
Concen: 0.452 ug/L
RT: 5.081 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VU056911.D
Acq: 16 Dec 2023 04:31

Tgt Ion: 83 Resp: 16284
Ion Ratio Lower Upper
83 100
85 70.3 45.8 85.0

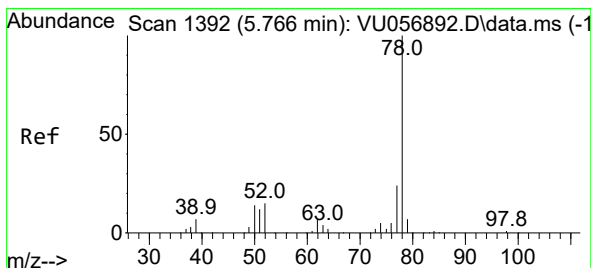
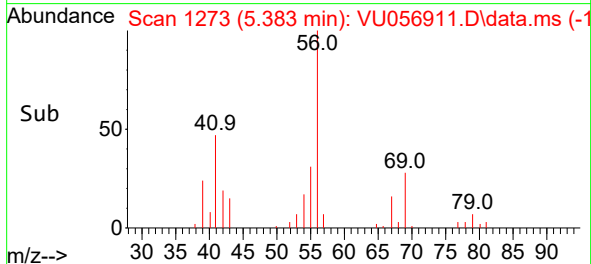
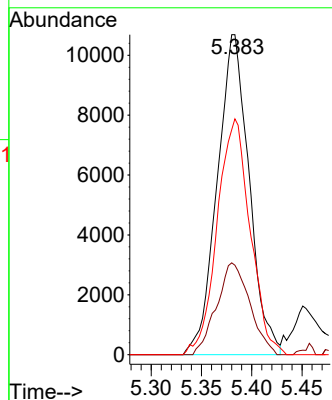
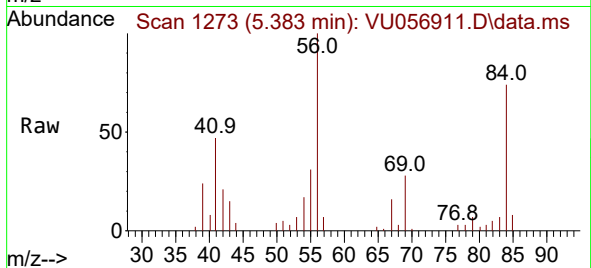




#30
Cyclohexane
Concen: 0.778 ug/L
RT: 5.383 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU056911.D
Acq: 16 Dec 2023 04:31

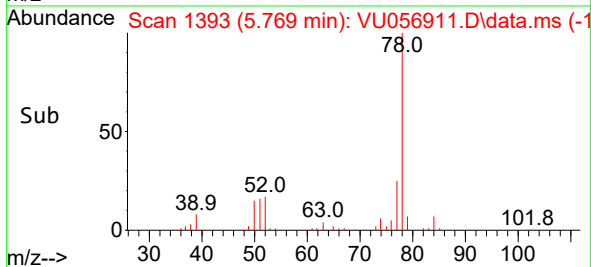
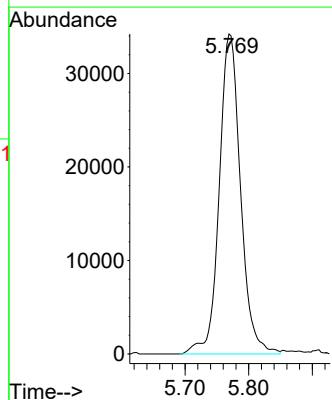
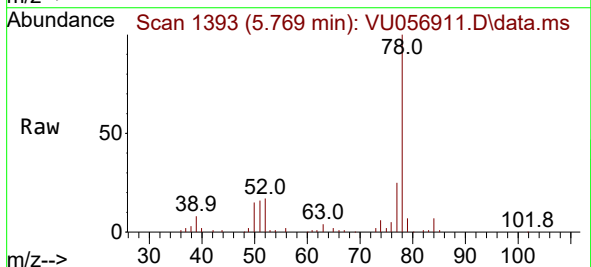
Instrument :
MSVOA_U
ClientSampleId :
E0YA1

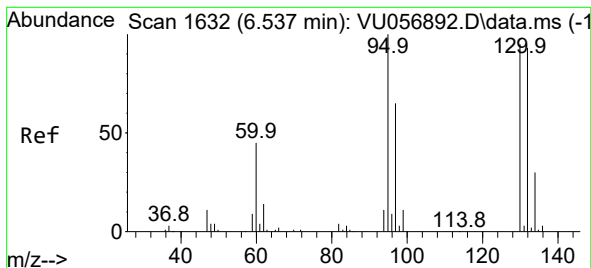
Tgt Ion: 56 Resp: 23569
Ion Ratio Lower Upper
56 100
69 29.8 24.9 37.3
84 76.1 67.6 101.4



#33
Benzene
Concen: 1.015 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU056911.D
Acq: 16 Dec 2023 04:31

Tgt Ion: 78 Resp: 79645





#34

Trichloroethene

Concen: 1.017 ug/L

RT: 6.538 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU056911.D

Acq: 16 Dec 2023 04:31

Instrument :

MSVOA_U

ClientSampleId :

E0YA1

Tgt Ion: 95 Resp: 21875

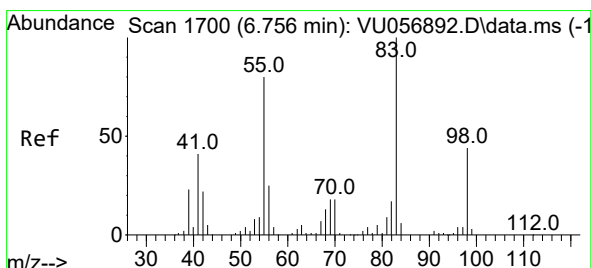
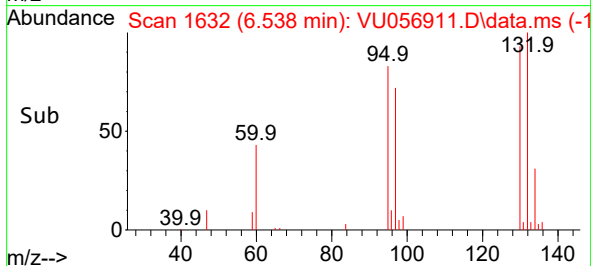
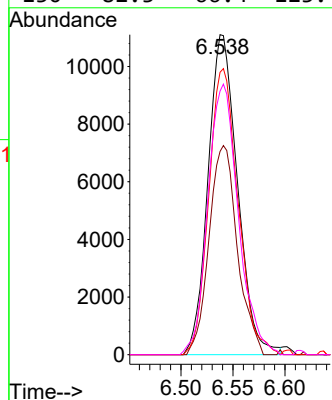
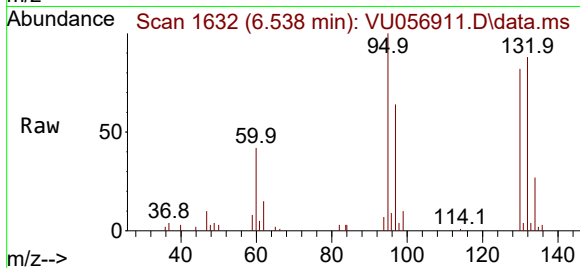
Ion Ratio Lower Upper

95 100

97 63.5 46.1 85.5

132 88.3 63.6 118.0

130 82.3 66.4 123.4



#35

Methylcyclohexane

Concen: 0.706 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VU056911.D

Acq: 16 Dec 2023 04:31

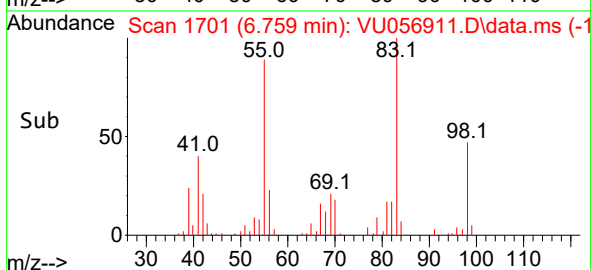
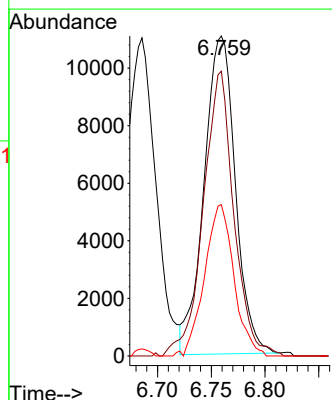
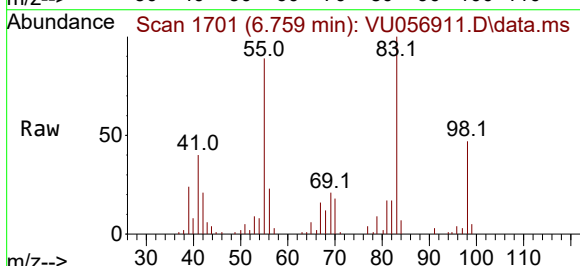
Tgt Ion: 83 Resp: 22405

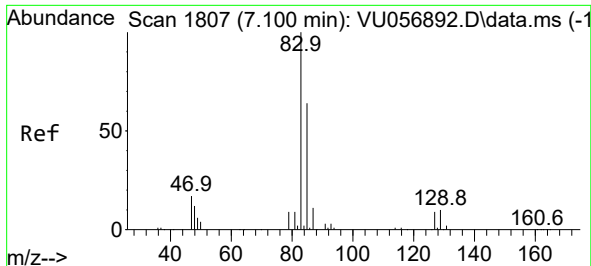
Ion Ratio Lower Upper

83 100

55 87.3 64.6 97.0

98 44.6 36.1 54.1





#38

Bromodichloromethane

Concen: 0.164 ug/L

RT: 7.103 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU056911.D

Acq: 16 Dec 2023 04:31

Instrument :

MSVOA_U

ClientSampleId :

E0YA1

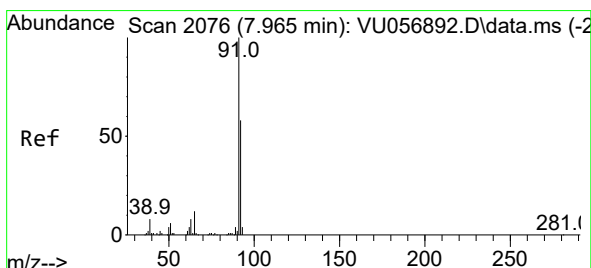
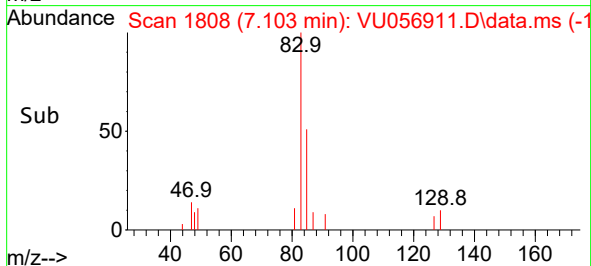
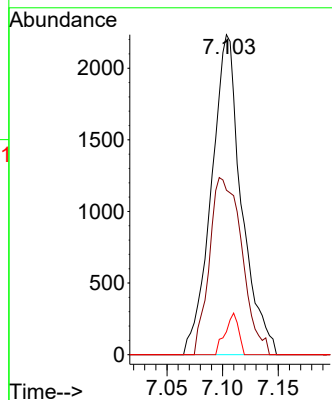
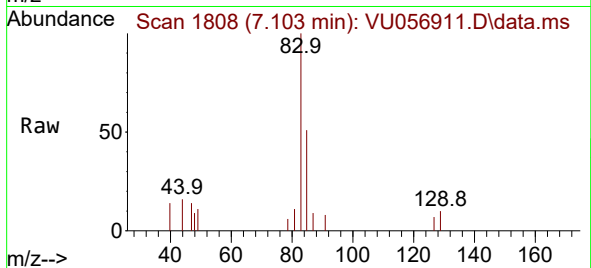
Tgt Ion: 83 Resp: 4202

Ion Ratio Lower Upper

83 100

85 51.4 45.0 83.6

127 7.2 7.0 10.4



#42

Toluene

Concen: 2.322 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU056911.D

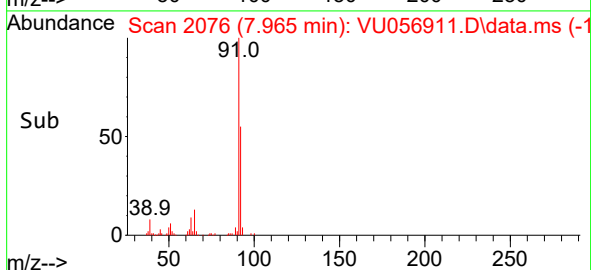
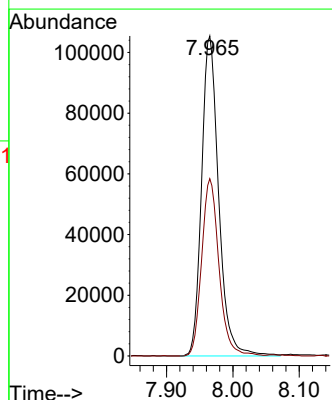
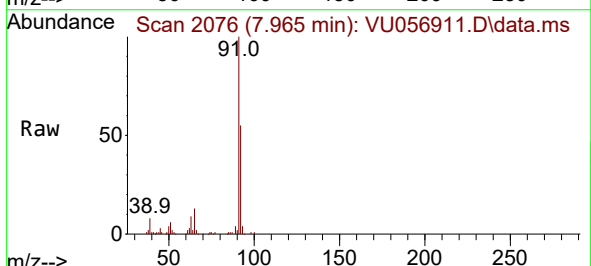
Acq: 16 Dec 2023 04:31

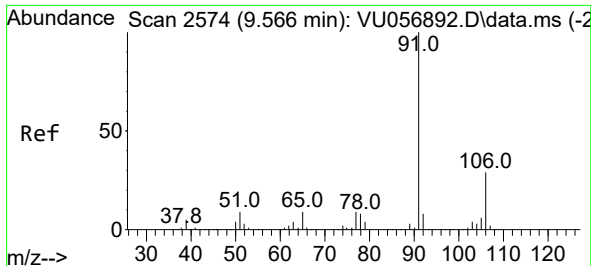
Tgt Ion: 91 Resp: 188452

Ion Ratio Lower Upper

91 100

92 55.4 40.4 75.0

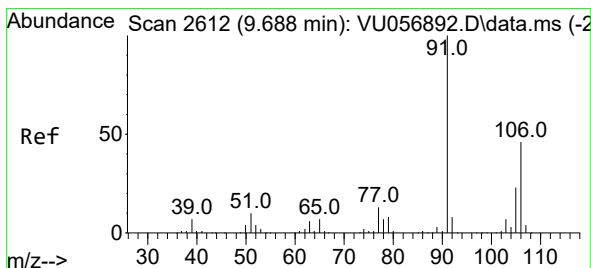
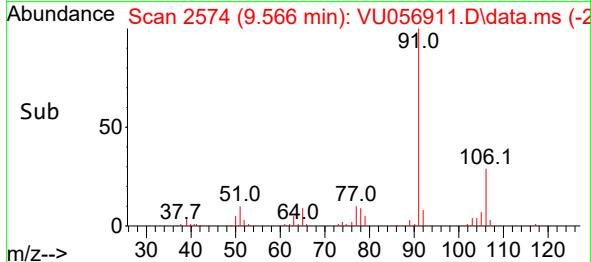
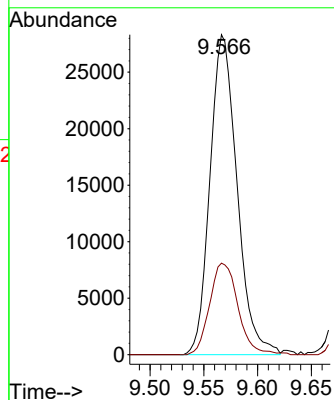
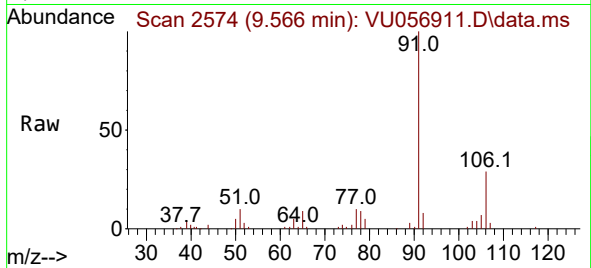




#52
Ethylbenzene
Concen: 0.552 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU056911.D
Acq: 16 Dec 2023 04:31

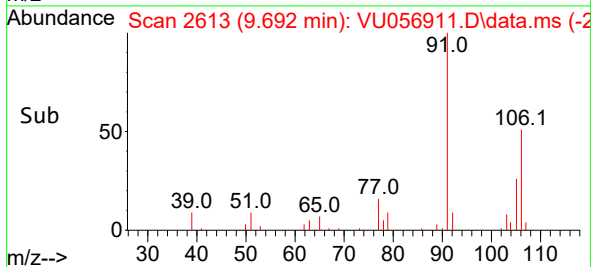
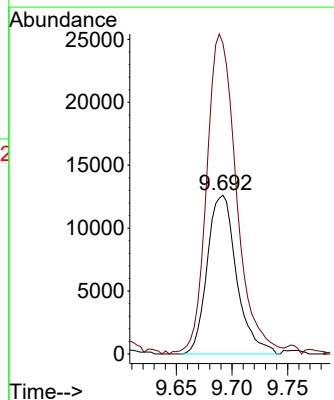
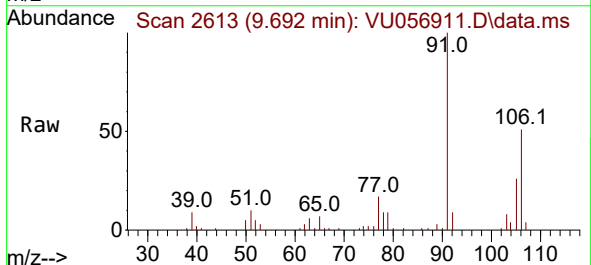
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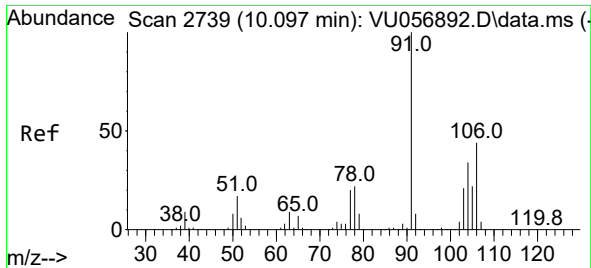
Tgt Ion: 91 Resp: 49460
Ion Ratio Lower Upper
91 100
106 28.6 20.6 38.4



#53
m,p-Xylene
Concen: 0.693 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU056911.D
Acq: 16 Dec 2023 04:31

Tgt Ion: 106 Resp: 23122
Ion Ratio Lower Upper
106 100
91 195.6 154.0 286.0

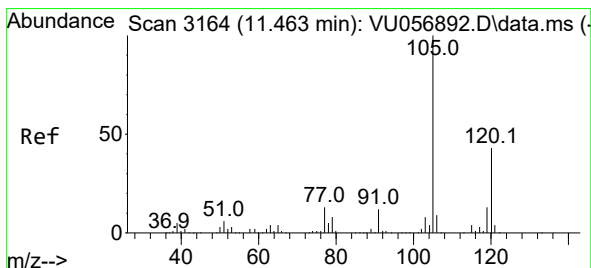
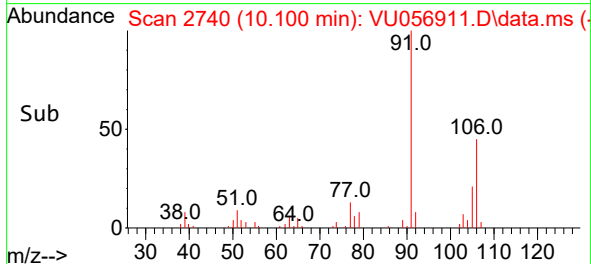
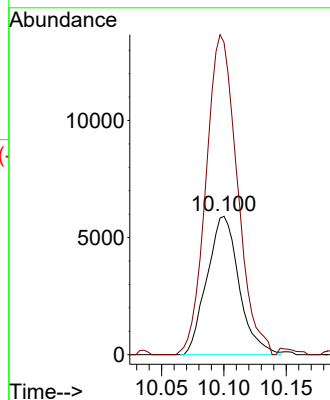
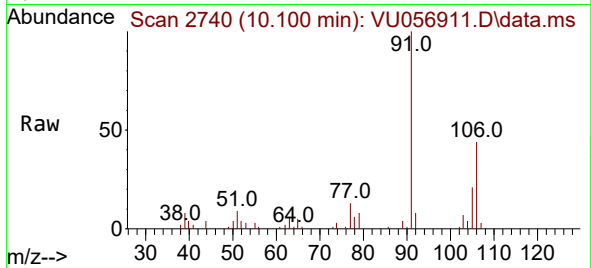




#54
o-Xylene
Concen: 0.333 ug/L
RT: 10.100 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU056911.D
Acq: 16 Dec 2023 04:31

Instrument :
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ClientSampleId :
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Tgt Ion:106 Resp: 10589
Ion Ratio Lower Upper
106 100
91 225.6 160.2 297.6



#63
1,2,4-Trimethylbenzene
Concen: 0.168 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VU056911.D
Acq: 16 Dec 2023 04:31

Tgt Ion:105 Resp: 10296
Ion Ratio Lower Upper
105 100
120 41.6 34.2 51.4

