

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121523\
 Data File : VU056914.D
 Acq On : 16 Dec 2023 05:43
 Operator : MD/SY
 Sample : 05771-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E0YA4

Quant Time: Dec 16 06:03:59 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)

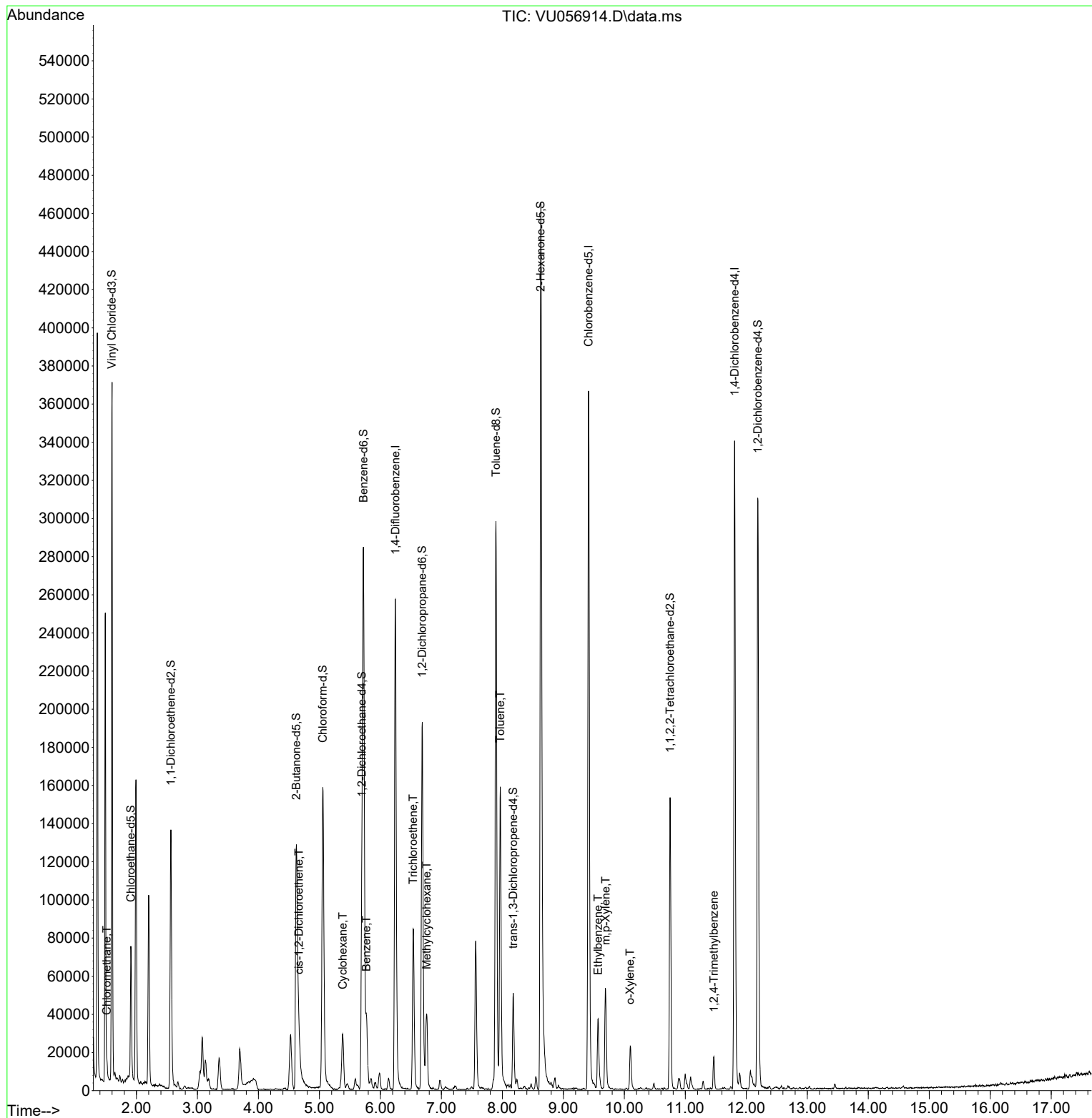
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	211803	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	220203	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	92119	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	54998	3.029	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	60.600%
7) Chloroethane-d5	1.908	69	51715	3.807	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.200%
11) 1,1-Dichloroethene-d2	2.563	65	25802	3.322	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.400%
20) 2-Butanone-d5	4.621	46	206879	57.701	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.400%
24) Chloroform-d	5.055	84	153903	4.477	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.600%
26) 1,2-Dichloroethane-d4	5.695	65	77877	4.787	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.800%
32) Benzene-d6	5.721	84	273353	4.002	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.000%
36) 1,2-Dichloropropane-d6	6.685	67	94859	4.437	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.800%
41) Toluene-d8	7.894	98	208480	3.415	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.400%#
43) trans-1,3-Dichloroprop...	8.177	79	31289	3.774	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.400%
46) 2-Hexanone-d5	8.627	63	155460	49.718	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.440%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	78568	5.080	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	85007	4.694	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.800%
Target Compounds						Qvalue
3) Chloromethane	1.515	50	4268	0.196	ug/L	98
22) cis-1,2-Dichloroethene	4.663	96	4660	0.246	ug/L	92
30) Cyclohexane	5.380	56	13050	0.437	ug/L	97
33) Benzene	5.772	78	35677	0.461	ug/L	100
34) Trichloroethene	6.538	95	31295	1.474	ug/L	98
35) Methylcyclohexane	6.759	83	15763	0.503	ug/L	94
42) Toluene	7.965	91	122054	1.524	ug/L	96
52) Ethylbenzene	9.566	91	29085	0.329	ug/L	93
53) m,p-Xylene	9.692	106	15953	0.485	ug/L	88
54) o-Xylene	10.094	106	6419	0.205	ug/L	78
63) 1,2,4-Trimethylbenzene	11.467	105	10471	0.177	ug/L	96

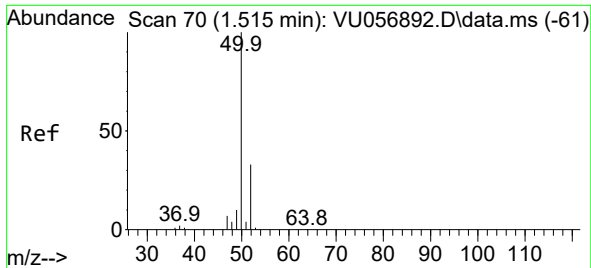
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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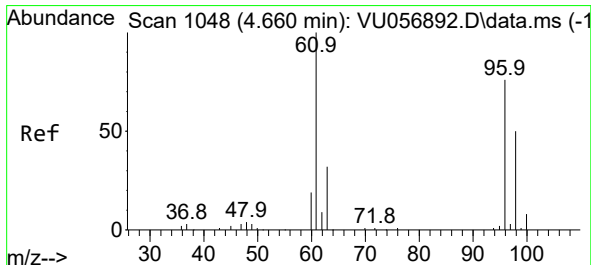
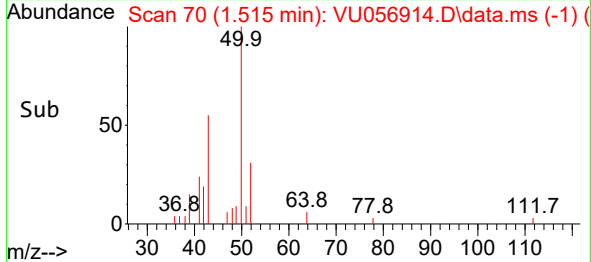
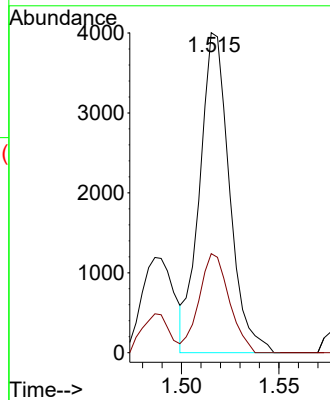
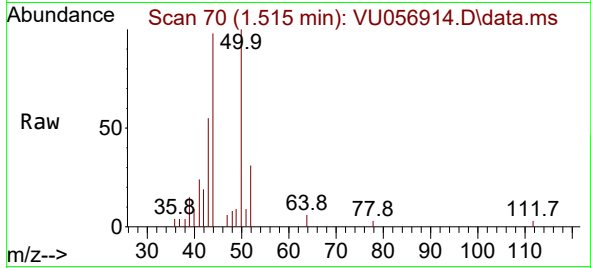




#3
Chloromethane
Concen: 0.196 ug/L
RT: 1.515 min Scan# 70
Delta R.T. 0.000 min
Lab File: VU056914.D
Acq: 16 Dec 2023 05:43

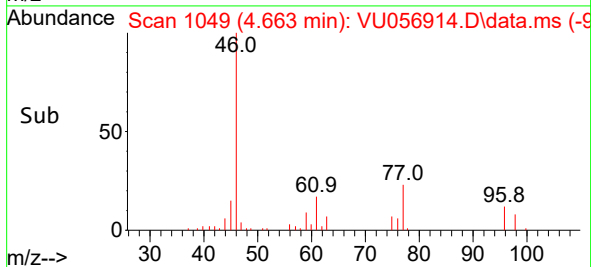
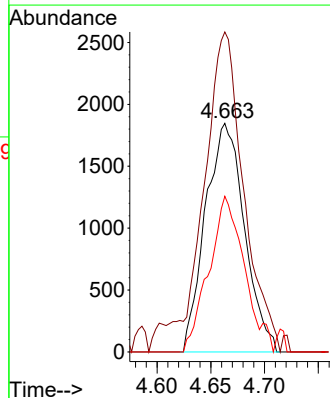
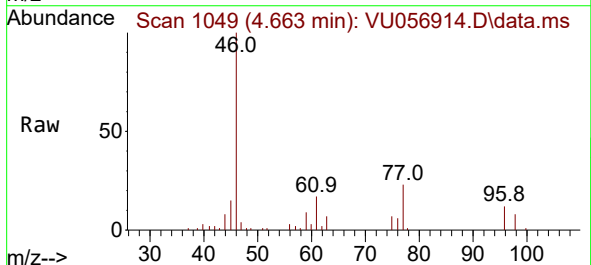
Instrument :
MSVOA_U
ClientSampleId :
E0YA4

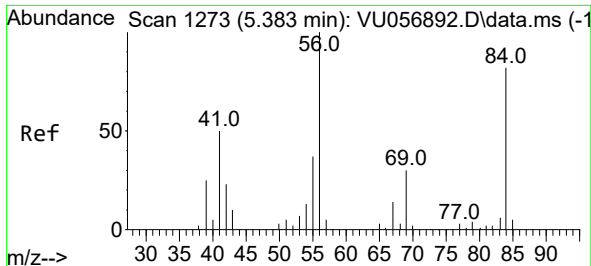
Tgt Ion: 50 Resp: 4268
Ion Ratio Lower Upper
50 100
52 31.0 22.5 41.7



#22
cis-1,2-Dichloroethene
Concen: 0.246 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. 0.003 min
Lab File: VU056914.D
Acq: 16 Dec 2023 05:43

Tgt Ion: 96 Resp: 4660
Ion Ratio Lower Upper
96 100
61 140.0 91.3 169.6
98 68.1 44.2 82.0

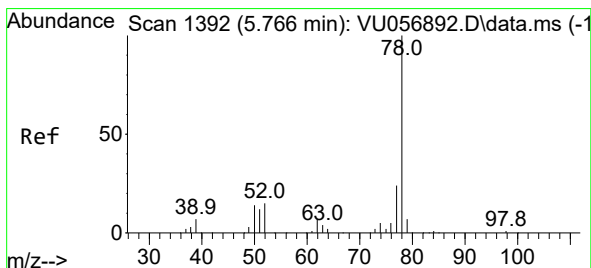
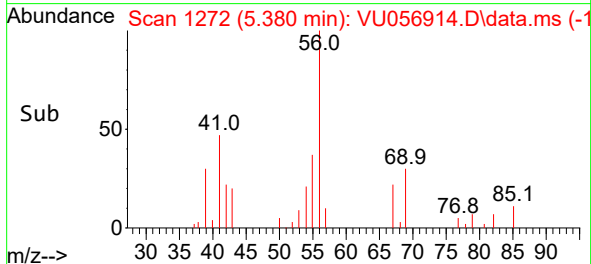
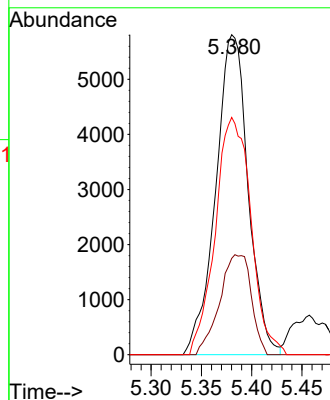
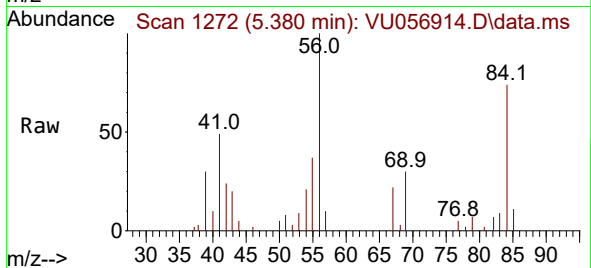




#30
Cyclohexane
Concen: 0.437 ug/L
RT: 5.380 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU056914.D
Acq: 16 Dec 2023 05:43

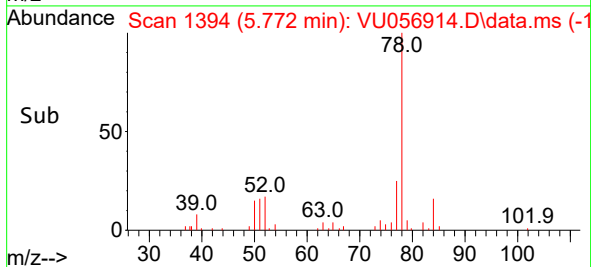
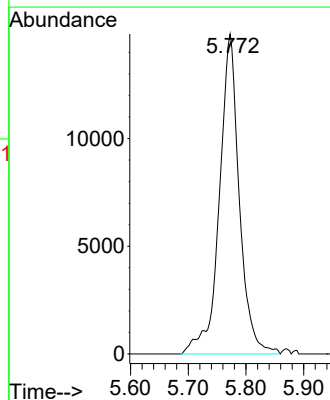
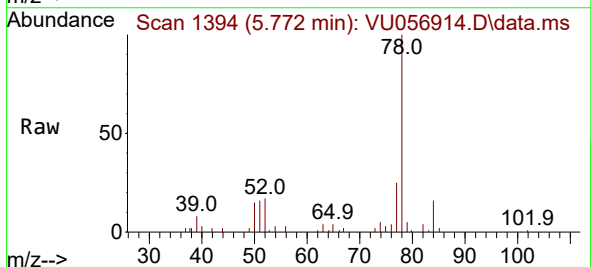
Instrument :
MSVOA_U
ClientSampleId :
E0YA4

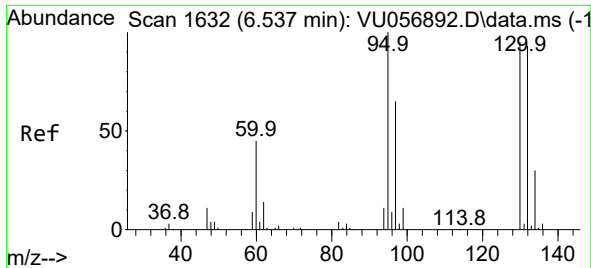
Tgt Ion: 56 Resp: 13050
Ion Ratio Lower Upper
56 100
69 30.3 24.9 37.3
84 81.2 67.6 101.4



#33
Benzene
Concen: 0.461 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.003 min
Lab File: VU056914.D
Acq: 16 Dec 2023 05:43

Tgt Ion: 78 Resp: 35677

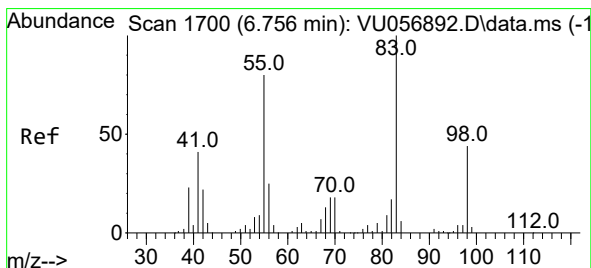
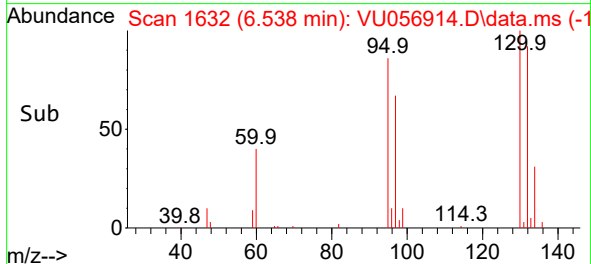
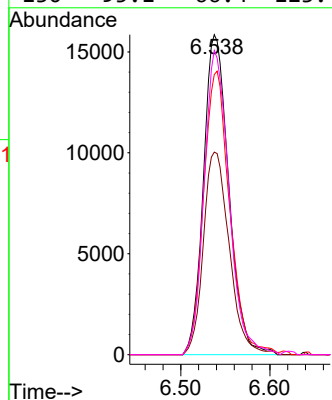
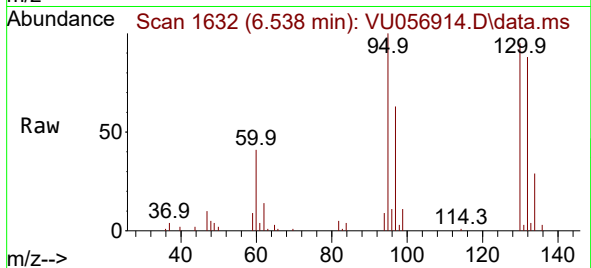




#34
Trichloroethene
Concen: 1.474 ug/L
RT: 6.538 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU056914.D
Acq: 16 Dec 2023 05:43

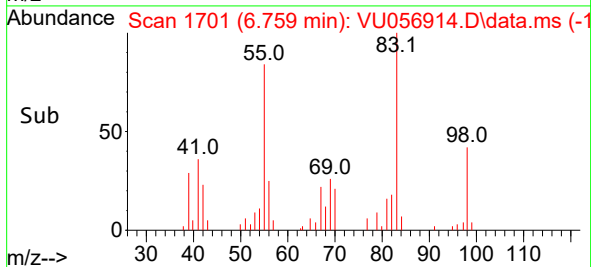
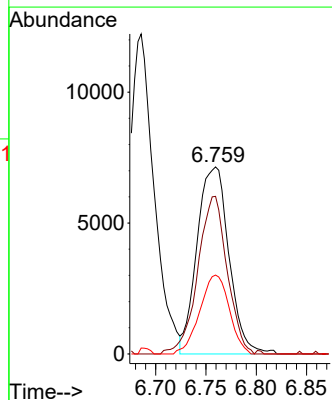
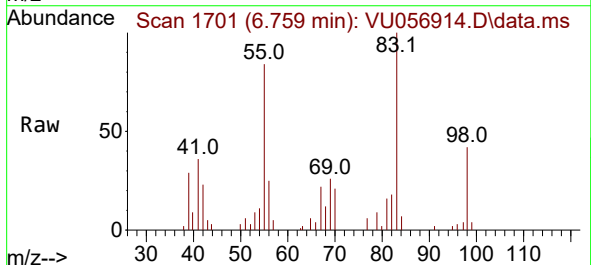
Instrument :
MSVOA_U
ClientSampleId :
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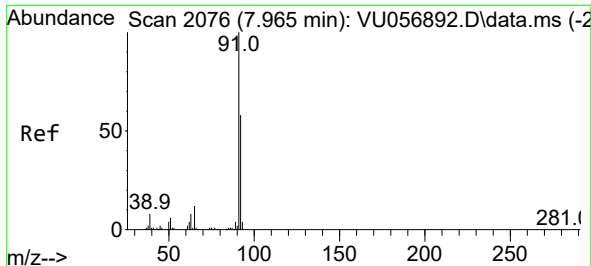
Tgt Ion: 95 Resp: 31295
Ion Ratio Lower Upper
95 100
97 63.3 46.1 85.5
132 87.6 63.6 118.0
130 95.1 66.4 123.4



#35
Methylcyclohexane
Concen: 0.503 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU056914.D
Acq: 16 Dec 2023 05:43

Tgt Ion: 83 Resp: 15763
Ion Ratio Lower Upper
83 100
55 77.5 64.6 97.0
98 38.9 36.1 54.1





#42

Toluene

Concen: 1.524 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU056914.D

Acq: 16 Dec 2023 05:43

Instrument :

MSVOA_U

ClientSampleId :

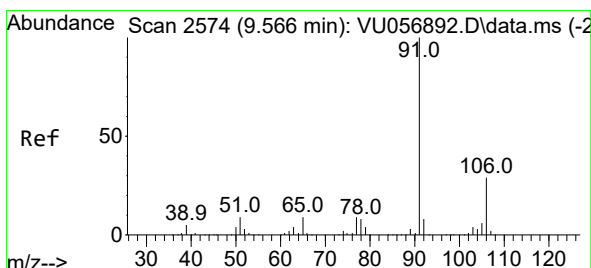
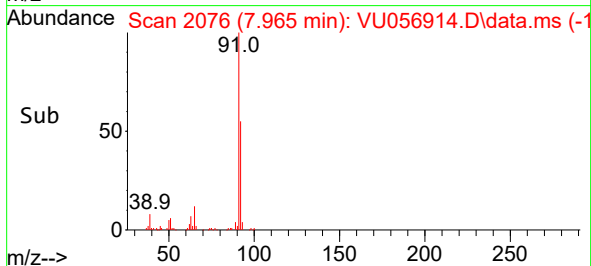
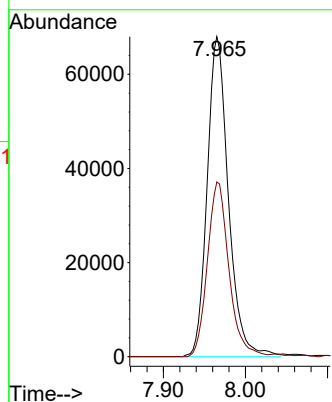
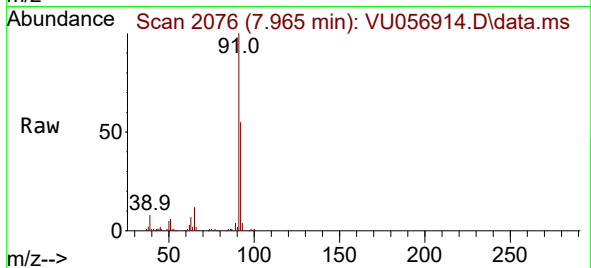
E0YA4

Tgt Ion: 91 Resp: 122054

Ion Ratio Lower Upper

91 100

92 54.6 40.4 75.0



#52

Ethylbenzene

Concen: 0.329 ug/L

RT: 9.566 min Scan# 2574

Delta R.T. 0.000 min

Lab File: VU056914.D

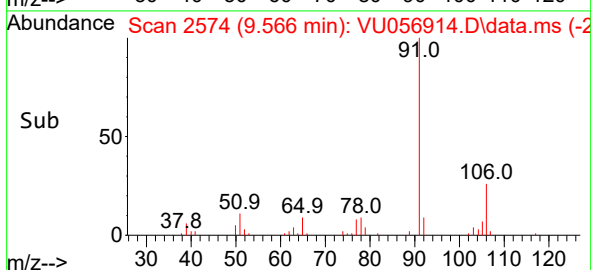
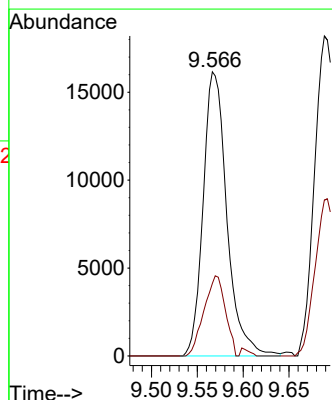
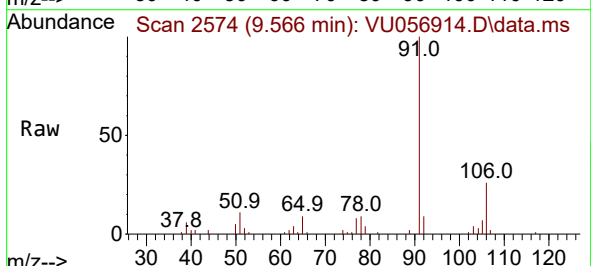
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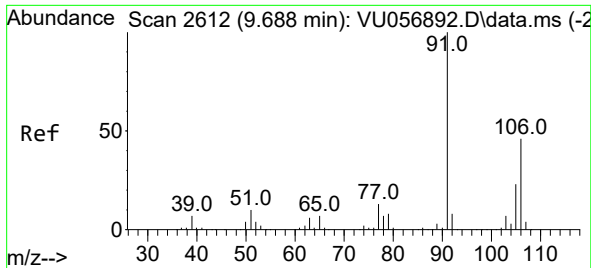
Tgt Ion: 91 Resp: 29085

Ion Ratio Lower Upper

91 100

106 25.5 20.6 38.4

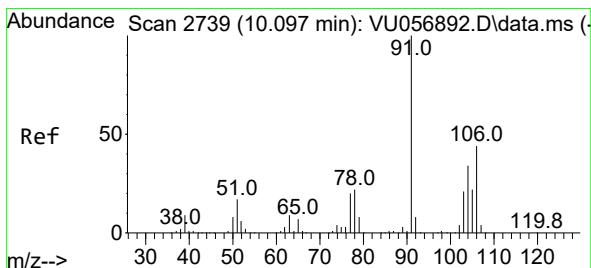
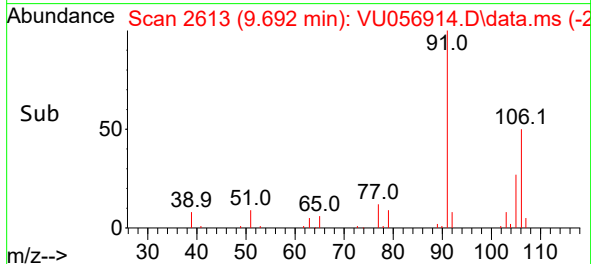
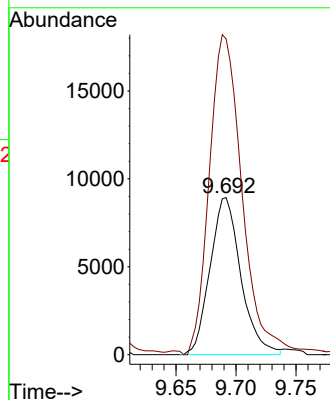
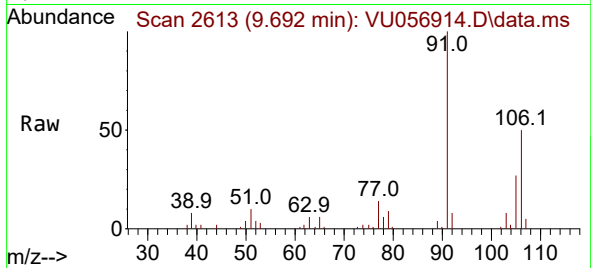




#53
m,p-Xylene
Concen: 0.485 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU056914.D
Acq: 16 Dec 2023 05:43

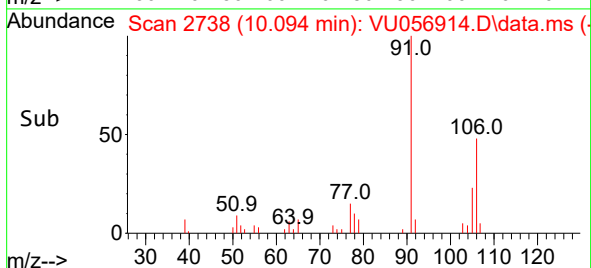
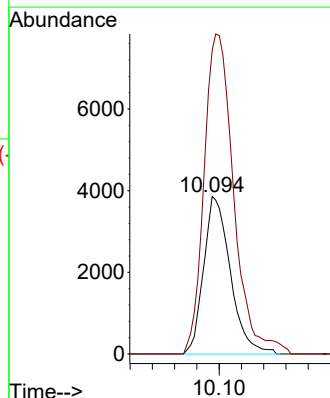
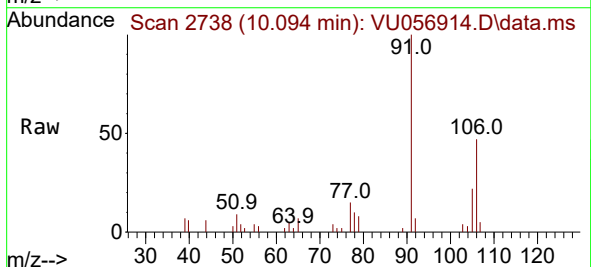
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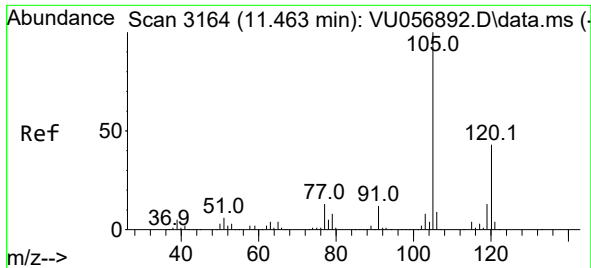
Tgt Ion:106 Resp: 15953
Ion Ratio Lower Upper
106 100
91 201.1 154.0 286.0



#54
o-Xylene
Concen: 0.205 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. -0.003 min
Lab File: VU056914.D
Acq: 16 Dec 2023 05:43

Tgt Ion:106 Resp: 6419
Ion Ratio Lower Upper
106 100
91 192.9 160.2 297.6





#63
 1,2,4-Trimethylbenzene
 Concen: 0.177 ug/L
 RT: 11.467 min Scan# 3165
 Delta R.T. 0.003 min
 Lab File: VU056914.D
 Acq: 16 Dec 2023 05:43

Instrument :
 MSVOA_U
 ClientSampleId :
 E0YA4

Tgt Ion:105 Resp: 10471
 Ion Ratio Lower Upper
 105 100
 120 40.2 34.2 51.4

