

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121223\
 Data File : VU056792.D
 Acq On : 12 Dec 2023 17:45
 Operator : MD/SY
 Sample : 05664-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EOY70

Quant Time: Dec 13 00:34:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 13 00:30:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	230940	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	231679	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.808	152	103998	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	87855	4.438	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.800%
7) Chloroethane-d5	1.911	69	71056	4.797	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.000%
11) 1,1-Dichloroethene-d2	2.564	65	38513	4.547	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.000%
20) 2-Butanone-d5	4.625	46	212909	54.462	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.920%
24) Chloroform-d	5.055	84	190424	5.080	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.600%
26) 1,2-Dichloroethane-d4	5.695	65	94703	5.339	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.800%
32) Benzene-d6	5.721	84	368039	5.122	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.400%
36) 1,2-Dichloropropane-d6	6.682	67	114070	5.072	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.400%
41) Toluene-d8	7.894	98	314799	4.901	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.000%
43) trans-1,3-Dichloroprop...	8.174	79	39760	4.558	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.200%
46) 2-Hexanone-d5	8.628	63	170293	51.764	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.520%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	84757	5.208	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	104325	5.103	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.515	50	5310	0.223	ug/L	97
13) Acetone	2.641	43	41313	17.341	ug/L	92
14) Carbon disulfide	2.789	76	69611	1.070	ug/L	98
15) Methyl Acetate	3.039	43	1414	0.218	ug/L #	49
21) 2-Butanone	4.718	43	18909	4.707	ug/L	77
22) cis-1,2-Dichloroethene	4.663	96	6267	0.303	ug/L	93
33) Benzene	5.772	78	14073	0.173	ug/L	100
35) Methylcyclohexane	6.756	83	8100	0.246	ug/L	93
37) 1,2-Dichloropropane	6.682	63	12517	0.601	ug/L #	88
42) Toluene	7.968	91	59100	0.702	ug/L	94
48) 2-Hexanone	8.679	43	8851	1.257	ug/L #	82
52) Ethylbenzene	9.570	91	26103	0.281	ug/L	99
53) m,p-Xylene	9.692	106	9114	0.263	ug/L	91
54) o-Xylene	10.100	106	4308	0.131	ug/L	93
55) Styrene	10.116	104	12130	0.224	ug/L	90
63) 1,2,4-Trimethylbenzene	11.463	105	13392	0.201	ug/L	98

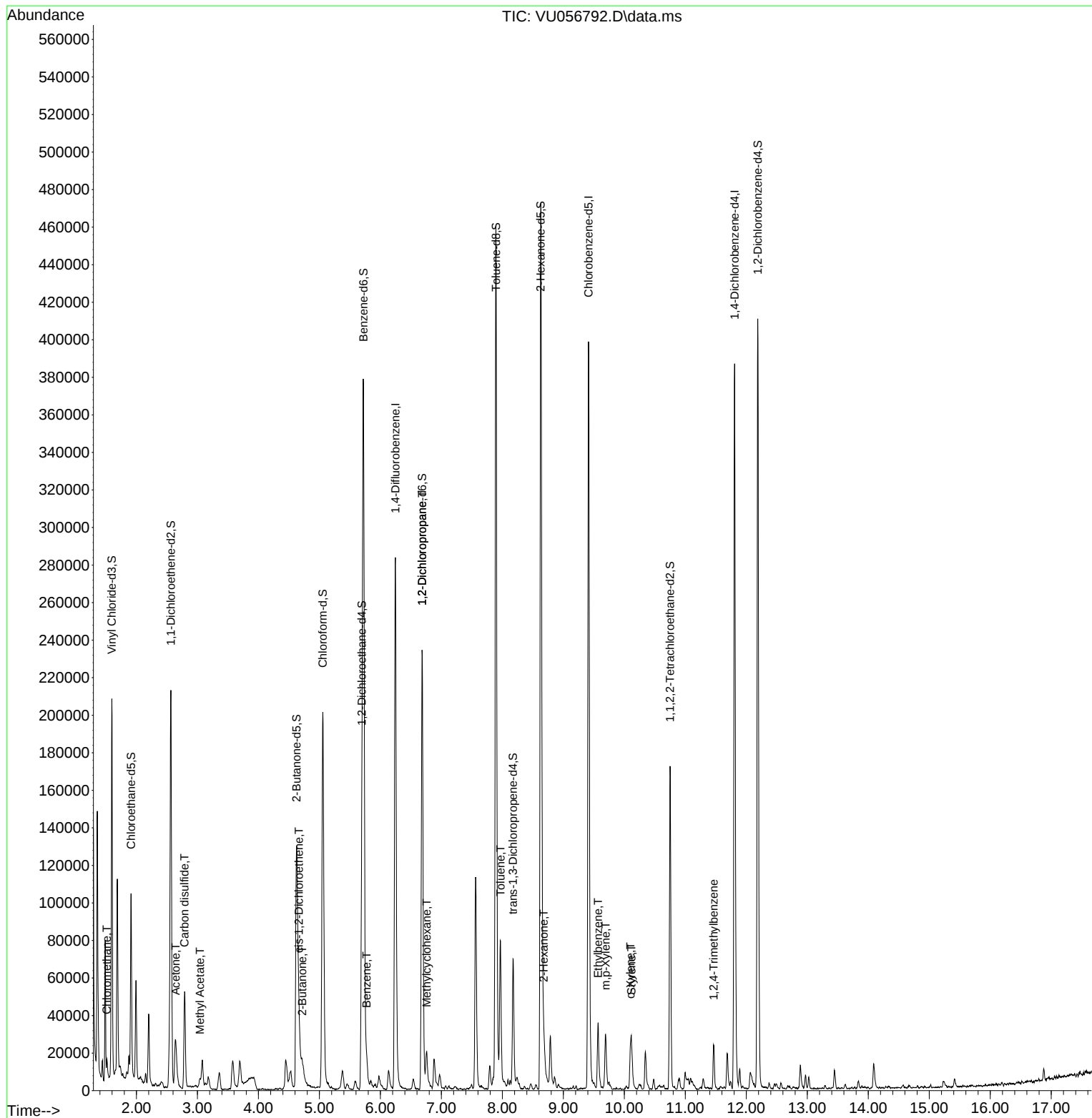
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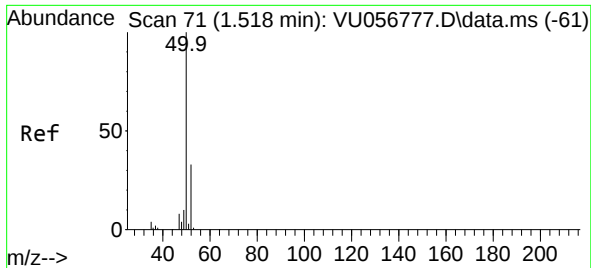
Instrument :
MSVOA_U
ClientSampleId :
E0Y70

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Response via : Initial Calibration

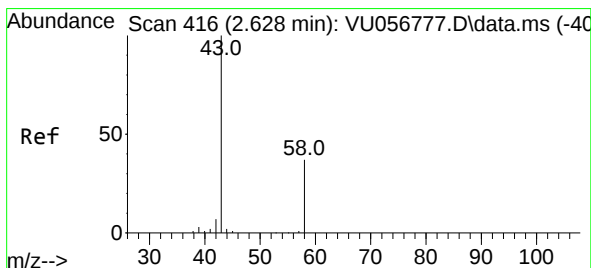
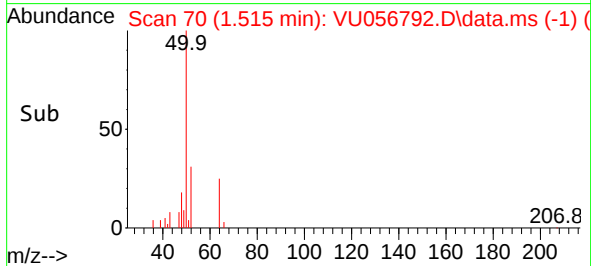
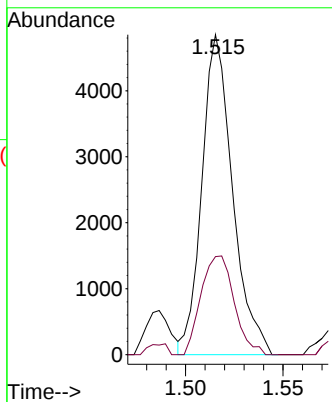
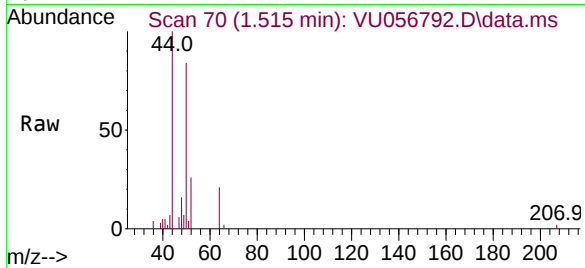




#3
Chloromethane
Concen: 0.223 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.003 min
Lab File: VU056792.D
Acq: 12 Dec 2023 17:45

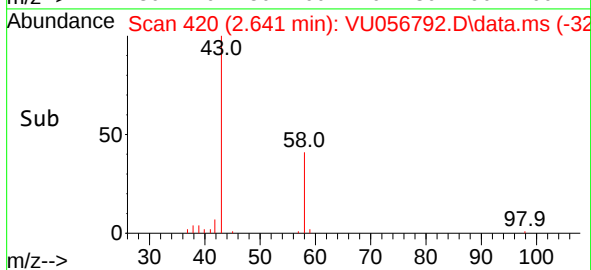
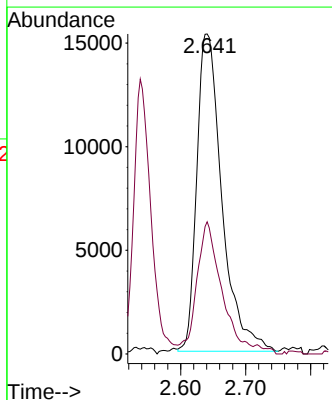
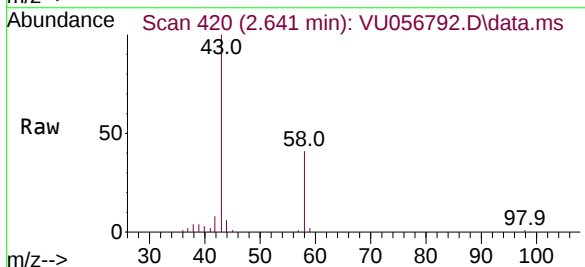
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MSVOA_U
ClientSampleId :
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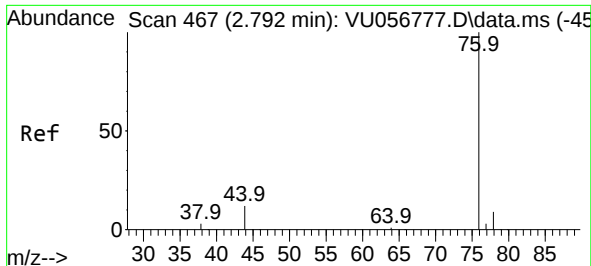
Tgt Ion: 50 Resp: 5310
Ion Ratio Lower Upper
50 100
52 30.7 22.5 41.7



#13
Acetone
Concen: 17.341 ug/L
RT: 2.641 min Scan# 420
Delta R.T. 0.013 min
Lab File: VU056792.D
Acq: 12 Dec 2023 17:45

Tgt Ion: 43 Resp: 41313
Ion Ratio Lower Upper
43 100
58 41.1 0.0 72.6

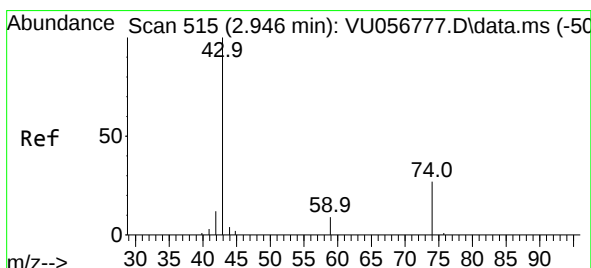
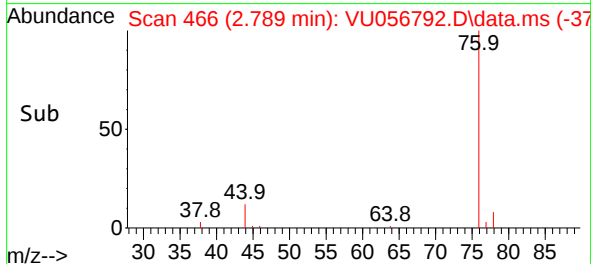
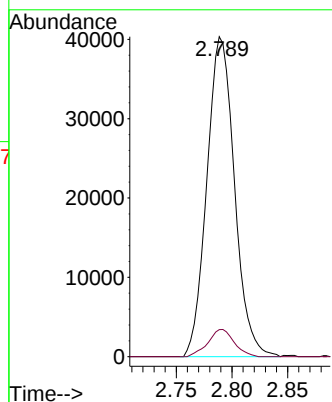
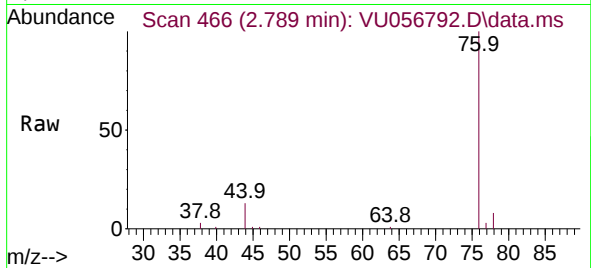




#14
Carbon disulfide
Concen: 1.070 ug/L
RT: 2.789 min Scan# 41
Delta R.T. -0.003 min
Lab File: VU056792.D
Acq: 12 Dec 2023 17:45

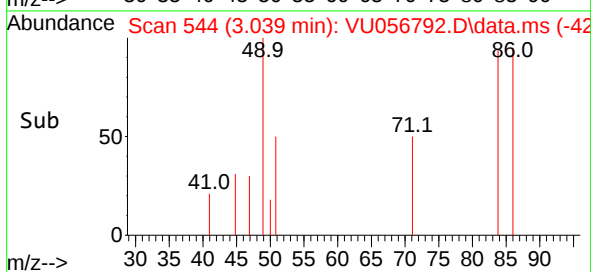
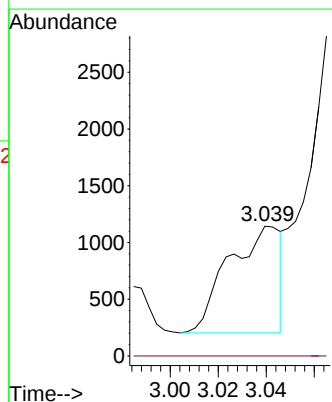
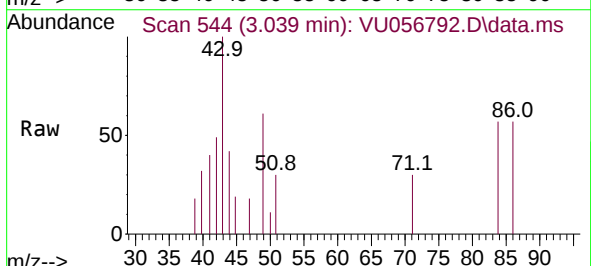
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ClientSampleId :
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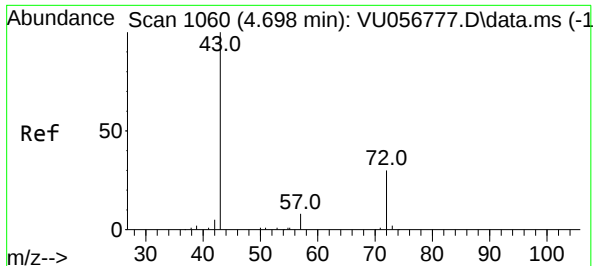
Tgt Ion: 76 Resp: 69611
Ion Ratio Lower Upper
76 100
78 8.5 7.3 10.9



#15
Methyl Acetate
Concen: 0.218 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.094 min
Lab File: VU056792.D
Acq: 12 Dec 2023 17:45

Tgt Ion: 43 Resp: 1414
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.6#

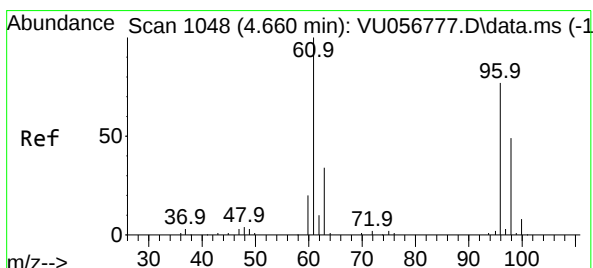
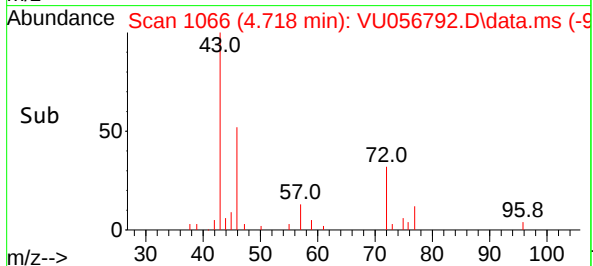
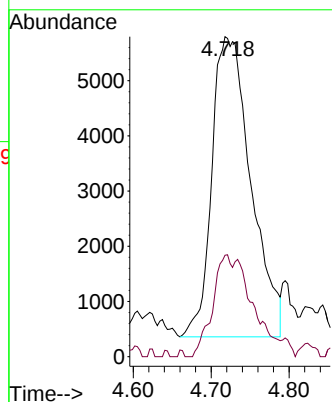
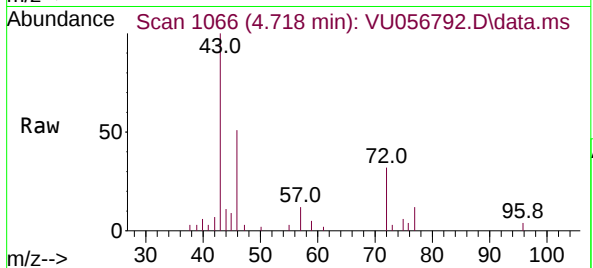




#21
2-Butanone
Concen: 4.707 ug/L
RT: 4.718 min Scan# 1066
Delta R.T. 0.020 min
Lab File: VU056792.D
Acq: 12 Dec 2023 17:45

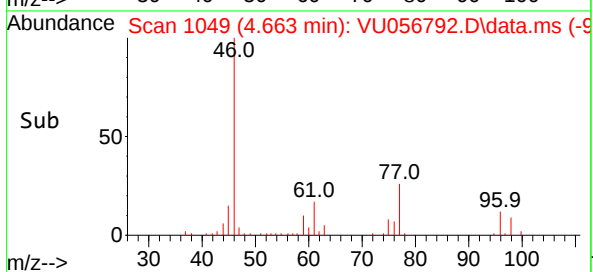
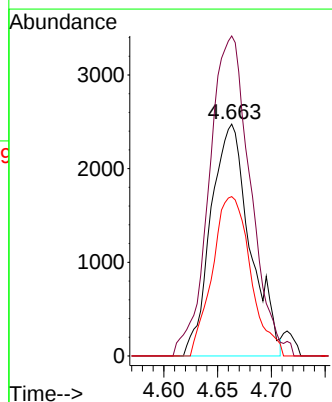
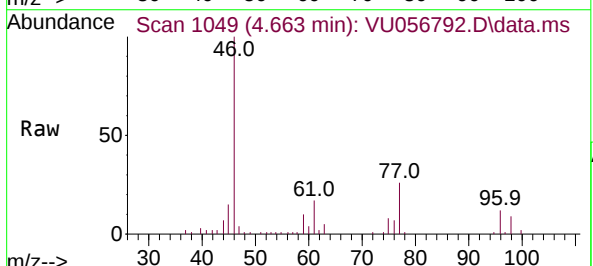
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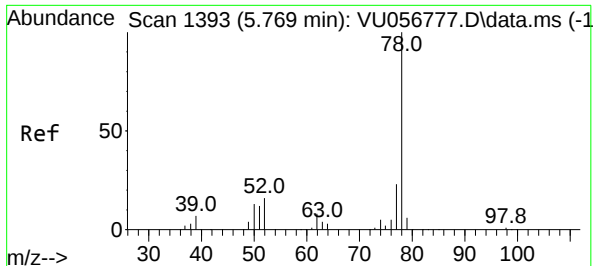
Tgt Ion: 43 Resp: 18909
Ion Ratio Lower Upper
43 100
72 17.0 14.6 43.8



#22
cis-1,2-Dichloroethene
Concen: 0.303 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. 0.003 min
Lab File: VU056792.D
Acq: 12 Dec 2023 17:45

Tgt Ion: 96 Resp: 6267
Ion Ratio Lower Upper
96 100
61 138.1 91.3 169.6
98 68.7 44.2 82.0

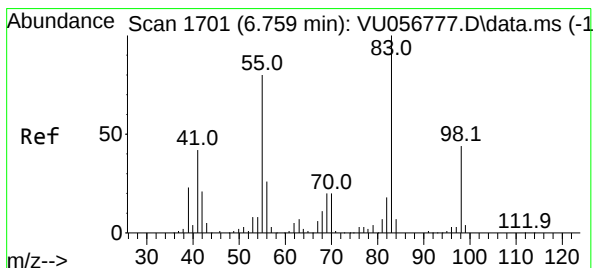
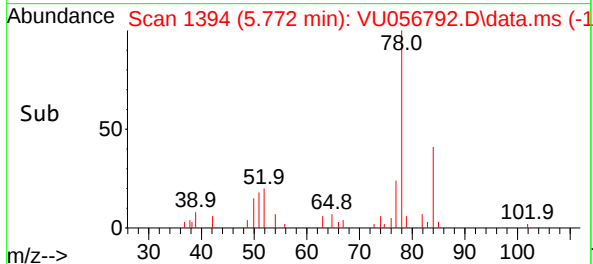
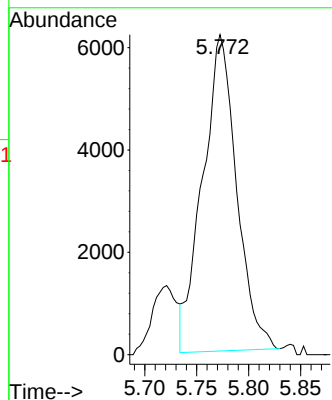
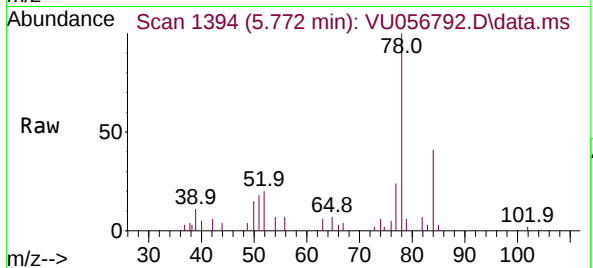




#33
Benzene
Concen: 0.173 ug/L
RT: 5.772 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU056792.D
Acq: 12 Dec 2023 17:45

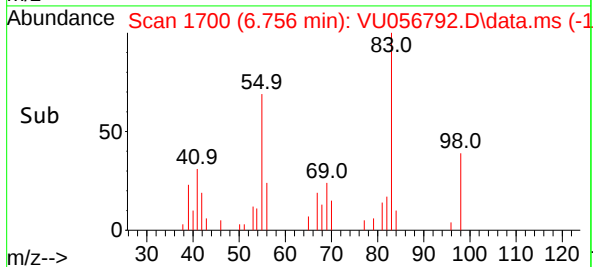
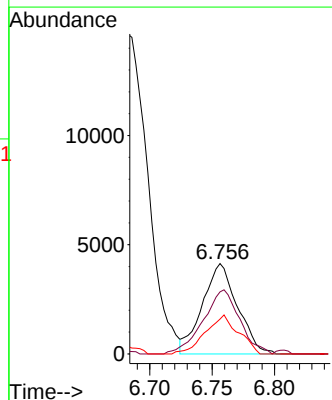
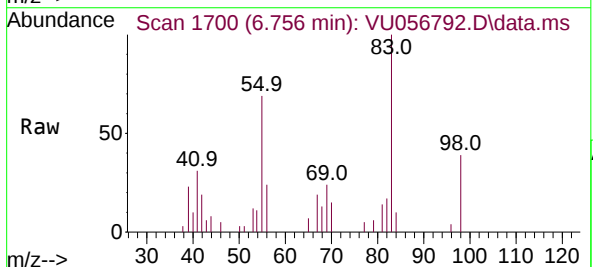
Instrument :
MSVOA_U
ClientSampleId :
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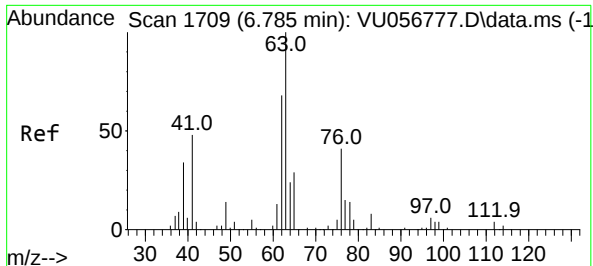
Tgt Ion: 78 Resp: 14073



#35
Methylcyclohexane
Concen: 0.246 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.003 min
Lab File: VU056792.D
Acq: 12 Dec 2023 17:45

Tgt Ion: 83 Resp: 8100
Ion Ratio Lower Upper
83 100
55 73.9 64.6 97.0
98 40.6 36.1 54.1





#37

1,2-Dichloropropane

Concen: 0.601 ug/L

RT: 6.682 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU056792.D

Acq: 12 Dec 2023 17:45

Instrument :

MSVOA_U

ClientSampleId :

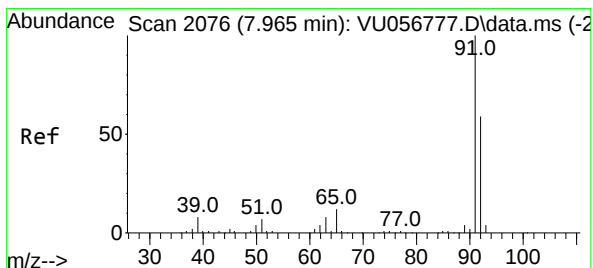
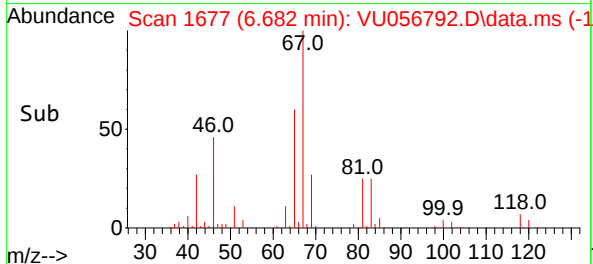
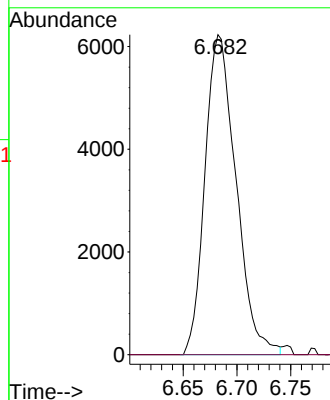
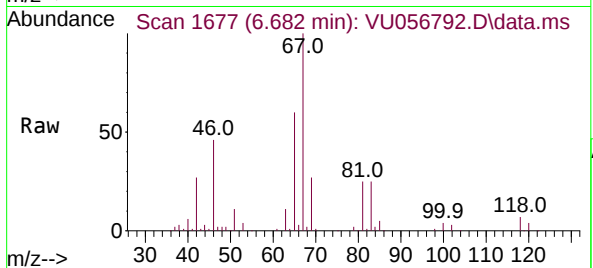
E0Y70

Tgt Ion: 63 Resp: 12517

Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#



#42

Toluene

Concen: 0.702 ug/L

RT: 7.968 min Scan# 2077

Delta R.T. 0.003 min

Lab File: VU056792.D

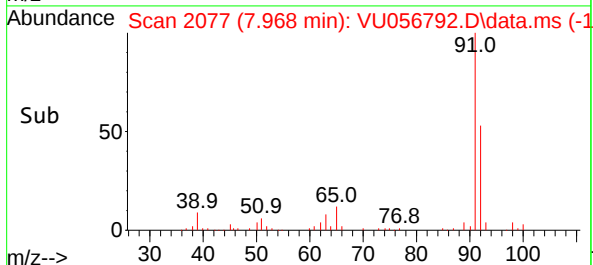
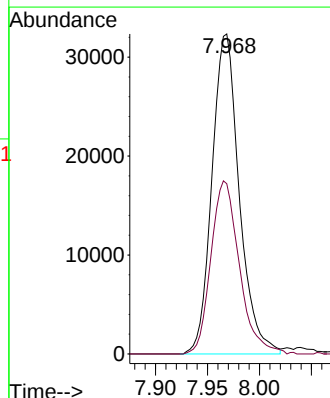
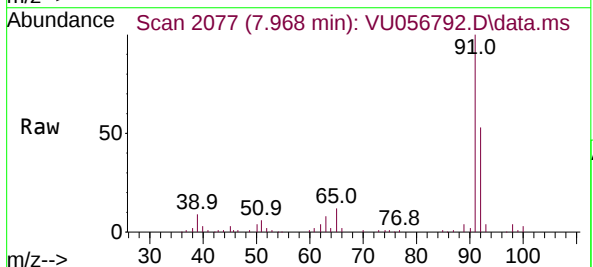
Acq: 12 Dec 2023 17:45

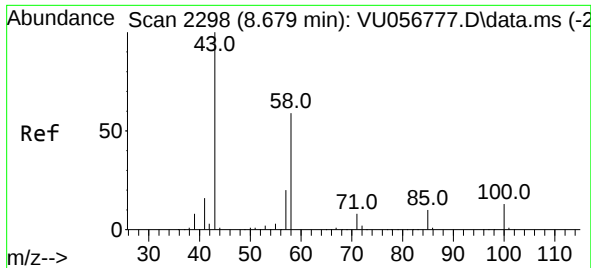
Tgt Ion: 91 Resp: 59100

Ion Ratio Lower Upper

91 100

92 53.2 40.4 75.0

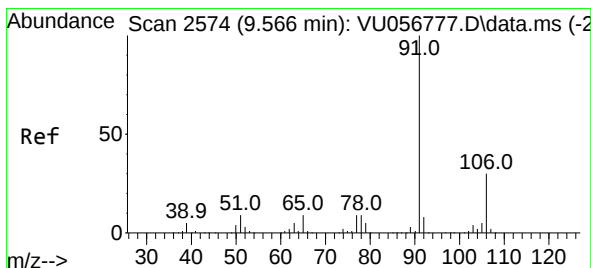
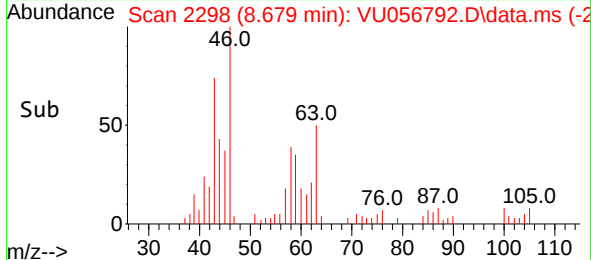
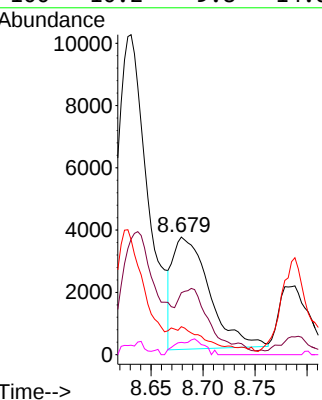
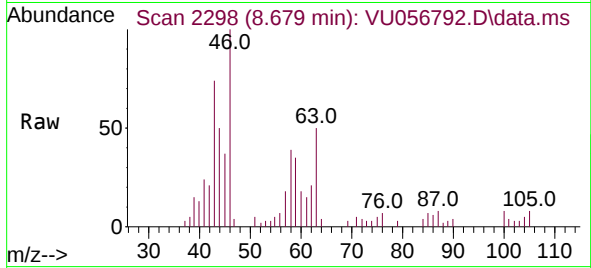




#48
2-Hexanone
Concen: 1.257 ug/L
RT: 8.679 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU056792.D
Acq: 12 Dec 2023 17:45

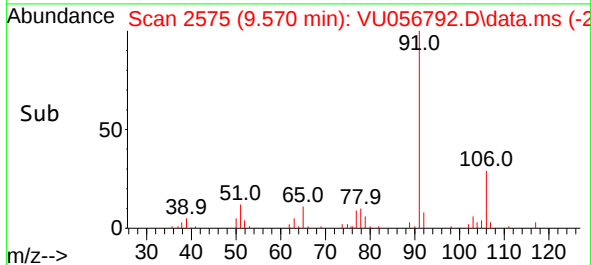
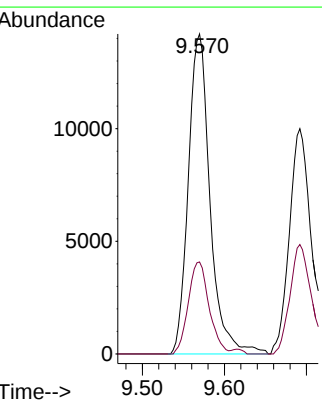
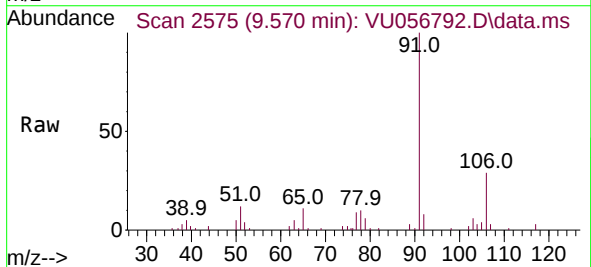
Instrument :
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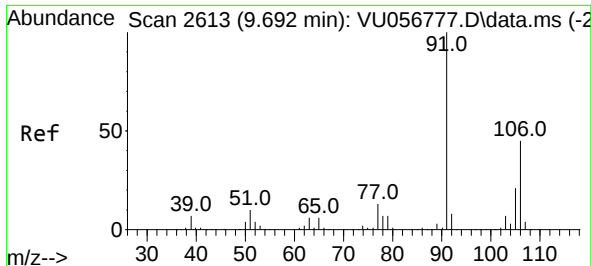
Tgt Ion: 43	Resp: 8851
Ion Ratio	Lower Upper
43	100
58	51.5 47.5 71.3
57	0.0 17.0 25.4#
100	10.2 9.8 14.8



#52
Ethylbenzene
Concen: 0.281 ug/L
RT: 9.570 min Scan# 2575
Delta R.T. 0.004 min
Lab File: VU056792.D
Acq: 12 Dec 2023 17:45

Tgt Ion: 91	Resp: 26103
Ion Ratio	Lower Upper
91	100
106	28.8 20.6 38.4

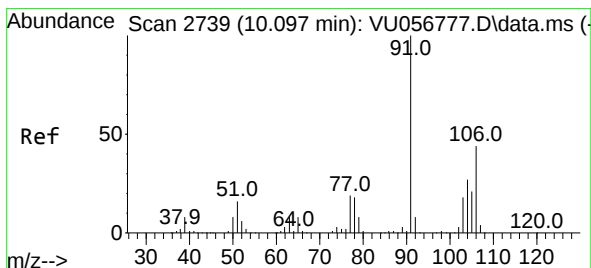
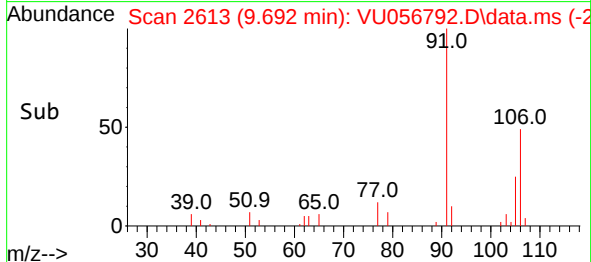
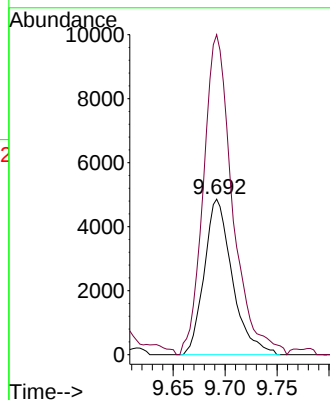
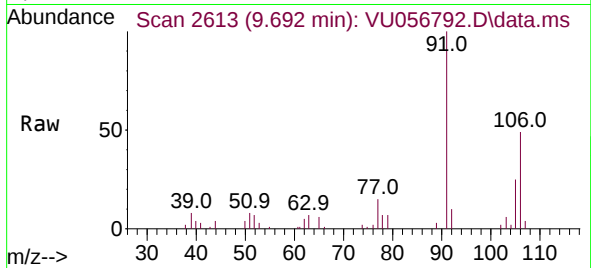




#53
m,p-Xylene
Concen: 0.263 ug/L
RT: 9.692 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU056792.D
Acq: 12 Dec 2023 17:45

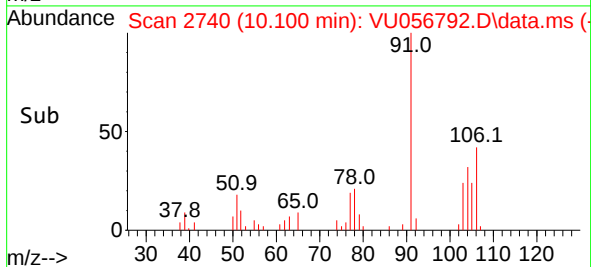
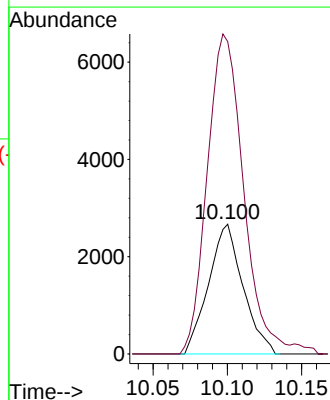
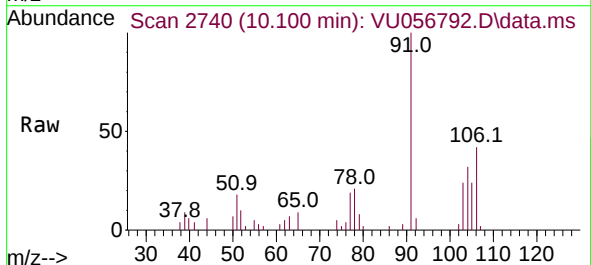
Instrument :
MSVOA_U
ClientSampleId :
E0Y70

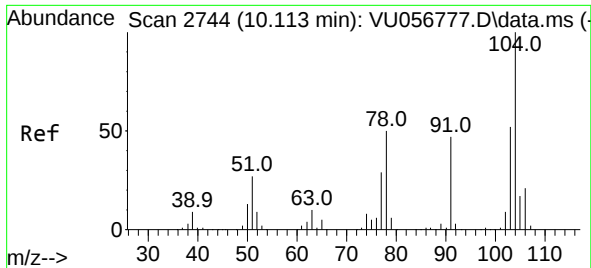
Tgt Ion:106 Resp: 9114
Ion Ratio Lower Upper
106 100
91 205.8 154.0 286.0



#54
o-Xylene
Concen: 0.131 ug/L
RT: 10.100 min Scan# 2740
Delta R.T. 0.003 min
Lab File: VU056792.D
Acq: 12 Dec 2023 17:45

Tgt Ion:106 Resp: 4308
Ion Ratio Lower Upper
106 100
91 240.5 160.2 297.6

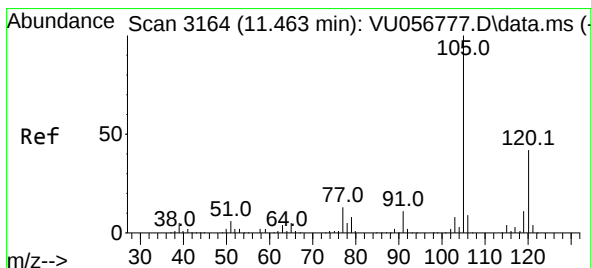
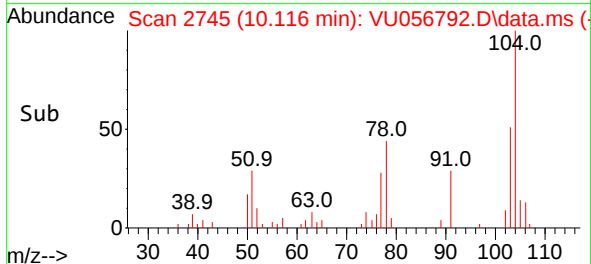
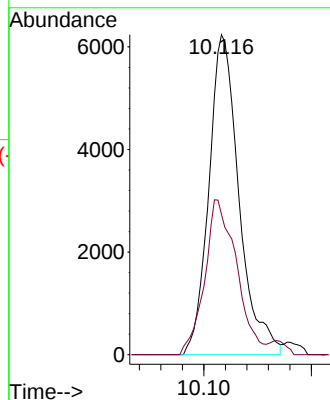
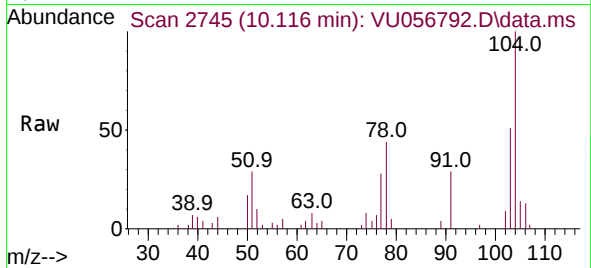




#55
Styrene
Concen: 0.224 ug/L
RT: 10.116 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU056792.D
Acq: 12 Dec 2023 17:45

Instrument :
MSVOA_U
ClientSampleId :
E0Y70

Tgt Ion:104 Resp: 12130
Ion Ratio Lower Upper
104 100
78 43.8 35.6 66.2



#63
1,2,4-Trimethylbenzene
Concen: 0.201 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VU056792.D
Acq: 12 Dec 2023 17:45

Tgt Ion:105 Resp: 13392
Ion Ratio Lower Upper
105 100
120 44.2 34.2 51.4

