

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072224\
 Data File : VU060095.D
 Acq On : 22 Jul 2024 15:57
 Operator : MD/SY
 Sample : P3244-03DL 1000X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 23 06:39:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jul 20 01:37:26 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	103159	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	113369	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	50648	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	30277	4.218	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.400%
7) Chloroethane-d5	1.907	69	31196	4.679	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.600%
11) 1,1-Dichloroethene-d2	2.560	65	12433	4.437	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.800%
20) 2-Butanone-d5	4.624	46	95756	57.064	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.120%
24) Chloroform-d	5.055	84	74283	4.924	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.400%
26) 1,2-Dichloroethane-d4	5.698	65	37790	5.380	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.600%
32) Benzene-d6	5.721	84	133736	4.403	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.000%
36) 1,2-Dichloropropane-d6	6.685	67	46999	4.856	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.200%
41) Toluene-d8	7.894	98	102182	3.723	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.400%
43) trans-1,3-Dichloroprop...	8.177	79	15086	4.579	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.600%
46) 2-Hexanone-d5	8.627	63	73235	50.091	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.180%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	44569	5.174	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	45725	5.002	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.000%

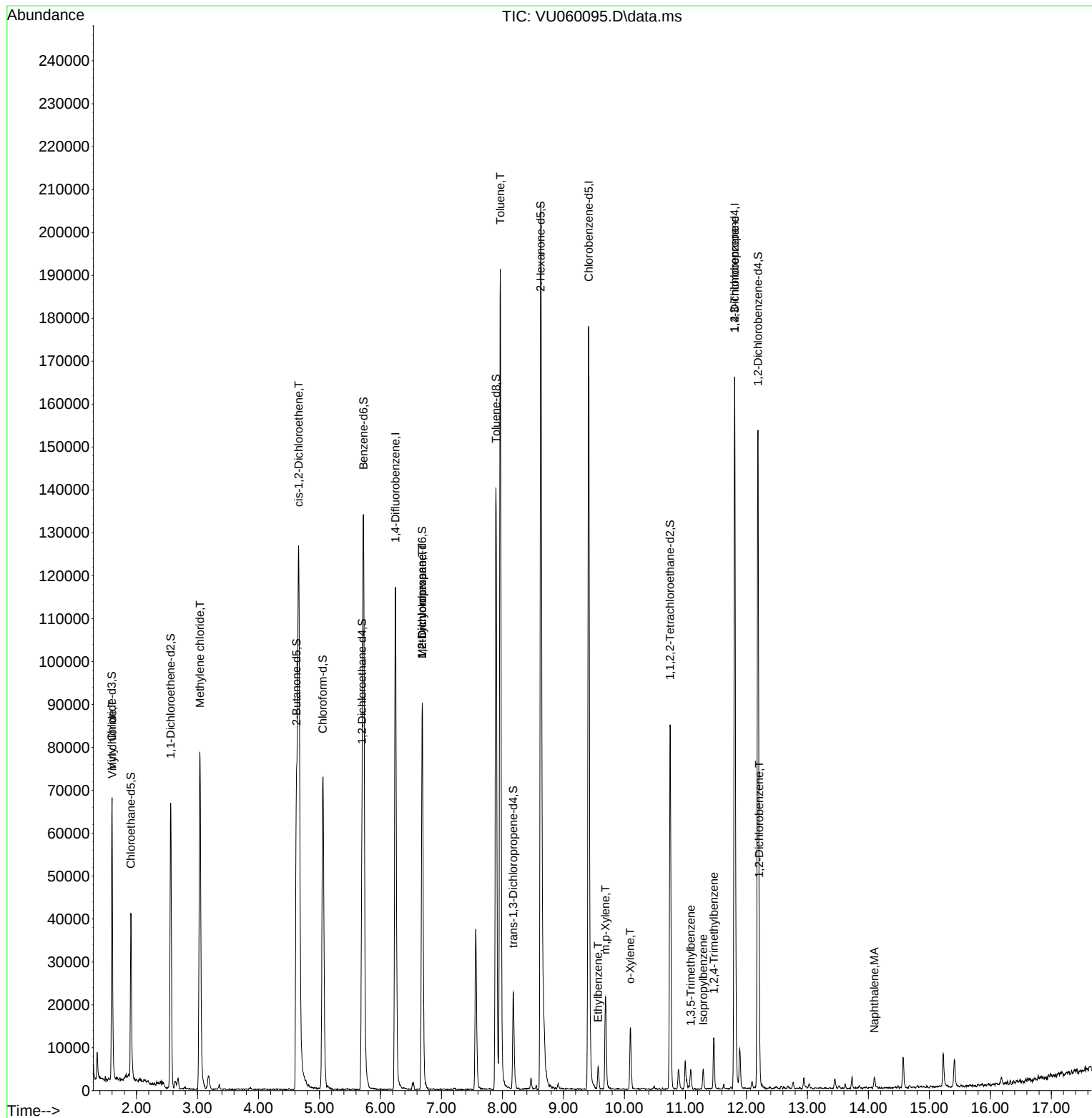
Target Compounds				Qvalue		
5) Vinyl chloride	1.602	62	23821	2.255	ug/L	99
16) Methylene chloride	3.039	84	44566	4.616	ug/L	96
22) cis-1,2-Dichloroethene	4.660	96	65796	7.172	ug/L	97
35) Methylcyclohexane	6.685	83	10749	0.826	ug/L #	22
37) 1,2-Dichloropropane	6.685	63	4559	0.451	ug/L #	88
42) Toluene	7.965	91	150010	3.764	ug/L	95
52) Ethylbenzene	9.570	91	3987	0.100	ug/L	91
53) m,p-Xylene	9.688	106	6614	0.431	ug/L	85
54) o-Xylene	10.097	106	4158	0.283	ug/L	92
60) Isopropylbenzene	11.290	105	3176	0.096	ug/L	91
61) 1,2,3-Trichloropropane	11.807	75	5471	1.025	ug/L #	63
62) 1,3,5-Trimethylbenzene	11.090	105	3275	0.129	ug/L	89
63) 1,2,4-Trimethylbenzene	11.467	105	7297	0.298	ug/L	96
67) 1,2-Dichlorobenzene	12.209	146	2981	0.175	ug/L #	89
71) Naphthalene	14.100	128	3587	0.247	ug/L #	92

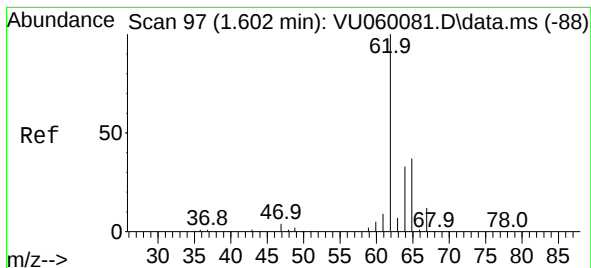
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jul 20 01:37:26 2024
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.255 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU060095.D

Acq: 22 Jul 2024 15:57

Instrument :

MSVOA_U

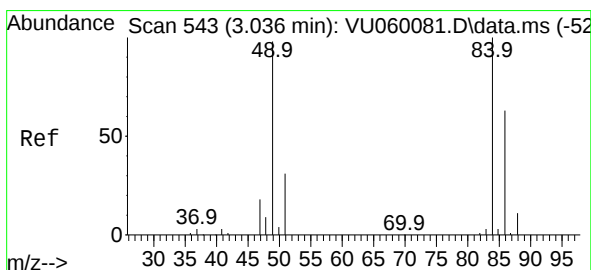
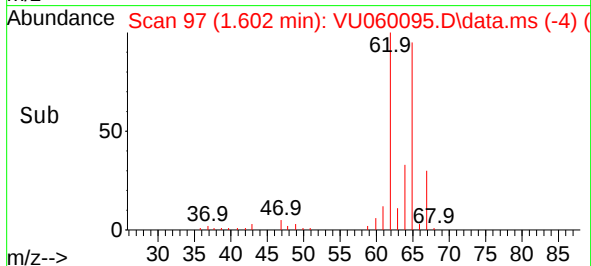
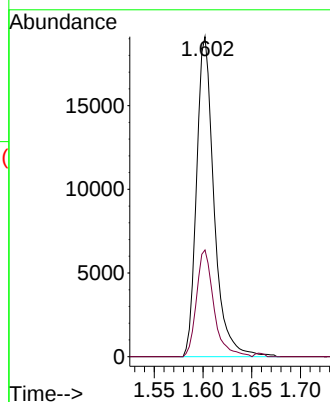
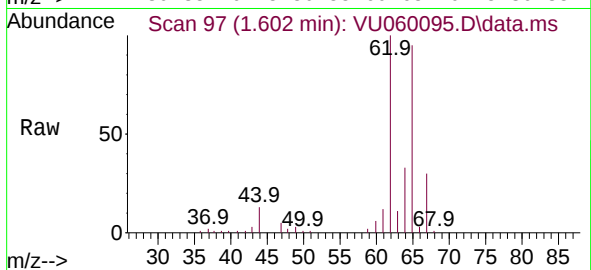
ClientSampleId :

Tgt Ion: 62 Resp: 23821

Ion Ratio Lower Upper

62 100

64 33.4 22.8 42.4



#16

Methylene chloride

Concen: 4.616 ug/L

RT: 3.039 min Scan# 544

Delta R.T. 0.000 min

Lab File: VU060095.D

Acq: 22 Jul 2024 15:57

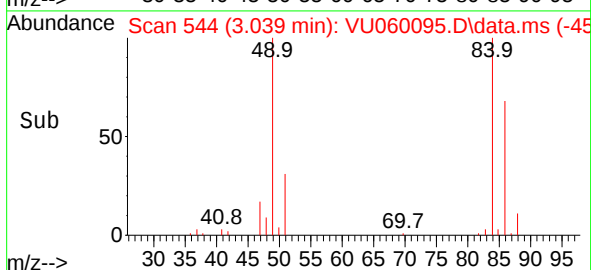
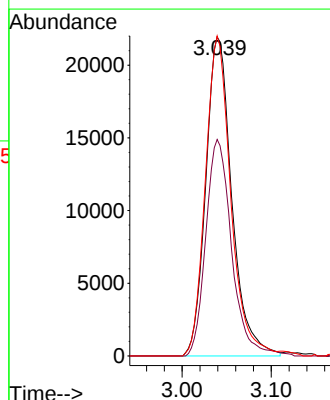
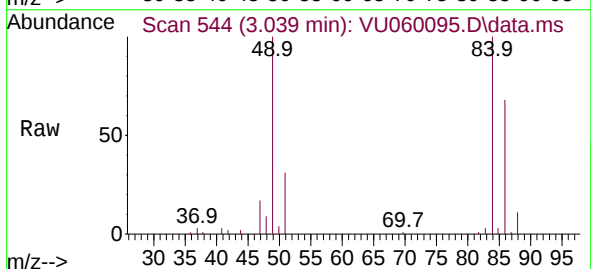
Tgt Ion: 84 Resp: 44566

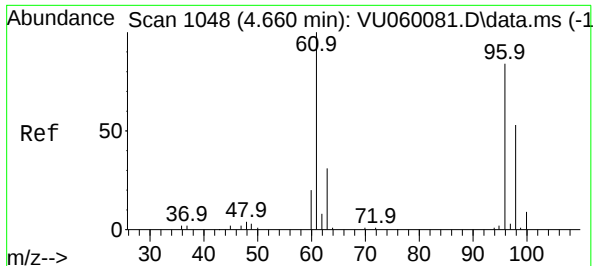
Ion Ratio Lower Upper

84 100

86 67.9 44.4 82.5

49 100.3 72.0 133.6

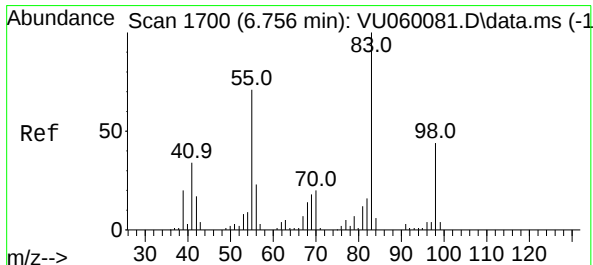
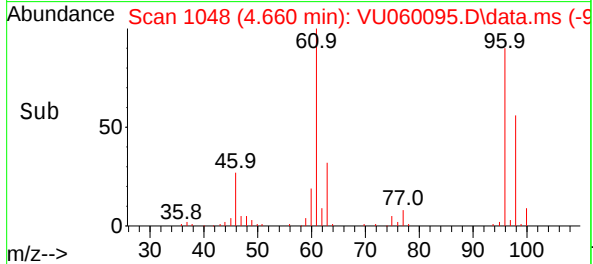
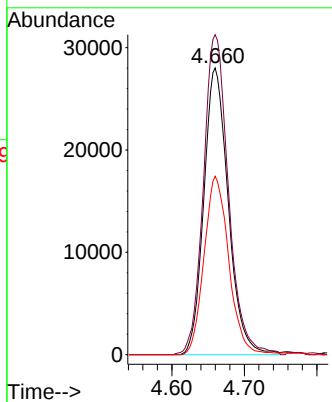
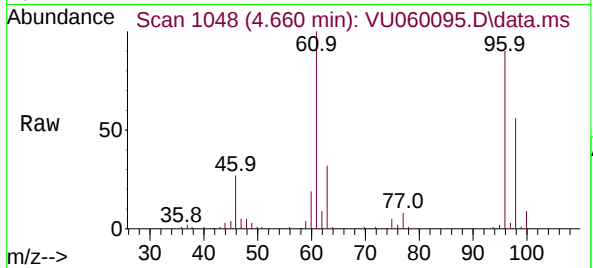




#22
cis-1,2-Dichloroethene
Concen: 7.172 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. 0.003 min
Lab File: VU060095.D
Acq: 22 Jul 2024 15:57

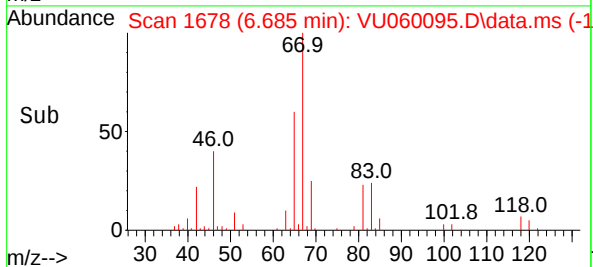
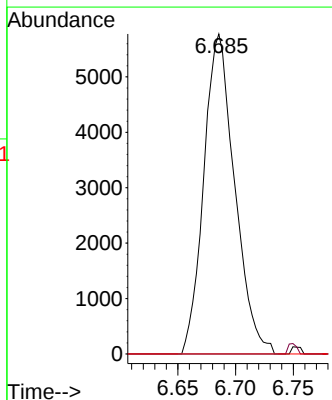
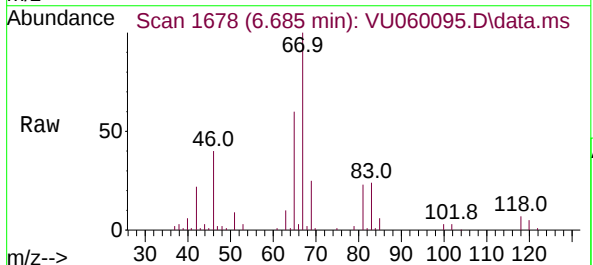
Instrument :
MSVOA_U
ClientSampleId :

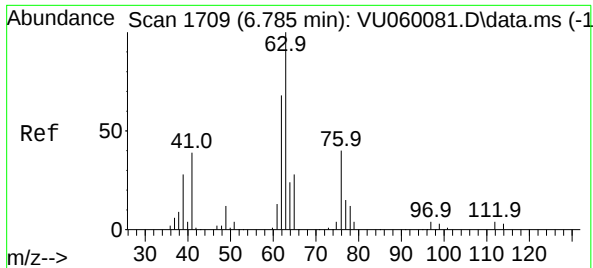
Tgt Ion: 96 Resp: 65796
Ion Ratio Lower Upper
96 100
61 111.6 80.2 148.9
98 62.2 44.7 83.1



#35
Methylcyclohexane
Concen: 0.826 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.071 min
Lab File: VU060095.D
Acq: 22 Jul 2024 15:57

Tgt Ion: 83 Resp: 10749
Ion Ratio Lower Upper
83 100
55 0.9 56.7 85.1#
98 0.4 36.6 55.0#

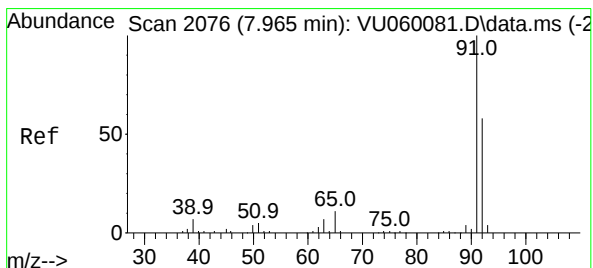
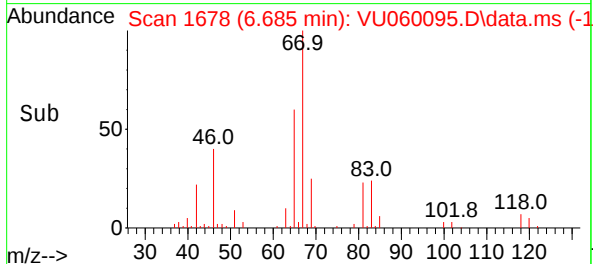
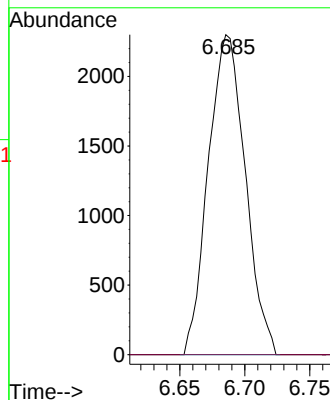
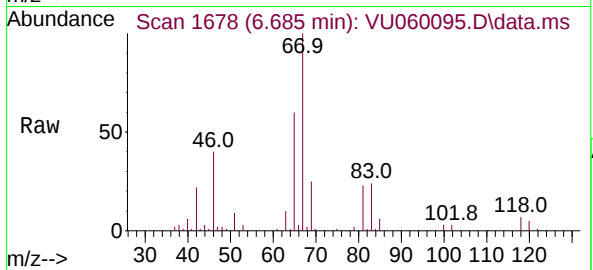




#37
1,2-Dichloropropane
Concen: 0.451 ug/L
RT: 6.685 min Scan# 1
Delta R.T. -0.096 min
Lab File: VU060095.D
Acq: 22 Jul 2024 15:57

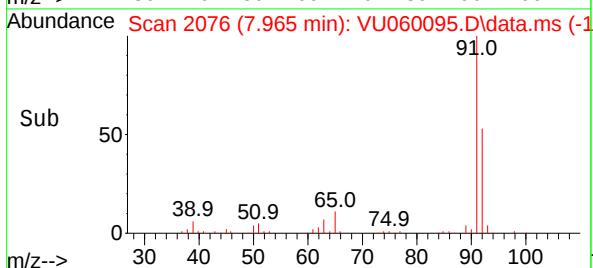
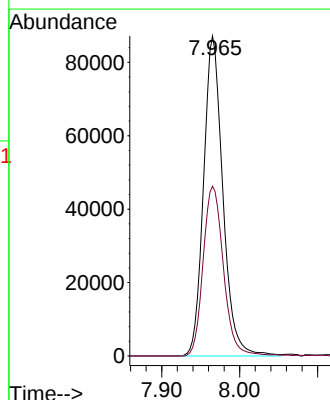
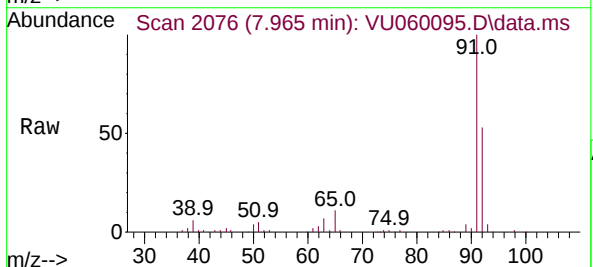
Instrument :
MSVOA_U
ClientSampleId :

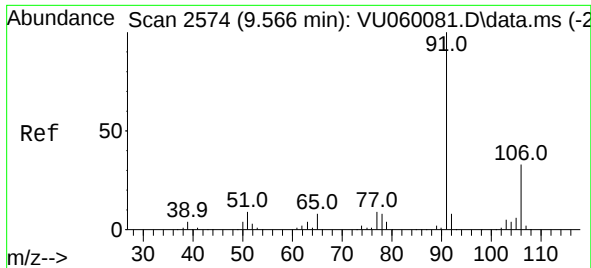
Tgt Ion: 63 Resp: 4559
Ion Ratio Lower Upper
63 100
112 0.0 3.3 4.9#



#42
Toluene
Concen: 3.764 ug/L
RT: 7.965 min Scan# 2076
Delta R.T. 0.003 min
Lab File: VU060095.D
Acq: 22 Jul 2024 15:57

Tgt Ion: 91 Resp: 150010
Ion Ratio Lower Upper
91 100
92 53.1 39.8 73.8

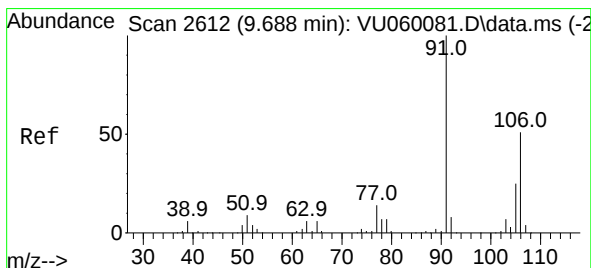
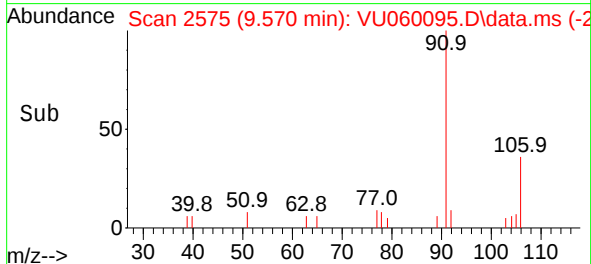
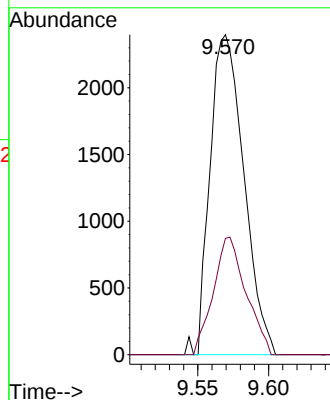
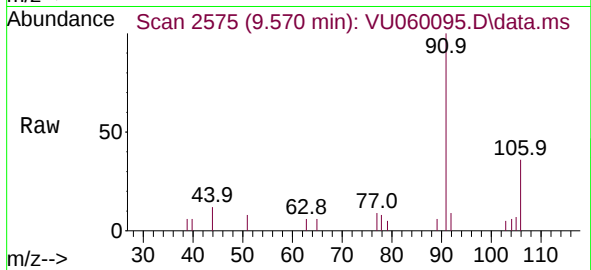




#52
Ethylbenzene
Concen: 0.100 ug/L
RT: 9.570 min Scan# 2575
Delta R.T. 0.007 min
Lab File: VU060095.D
Acq: 22 Jul 2024 15:57

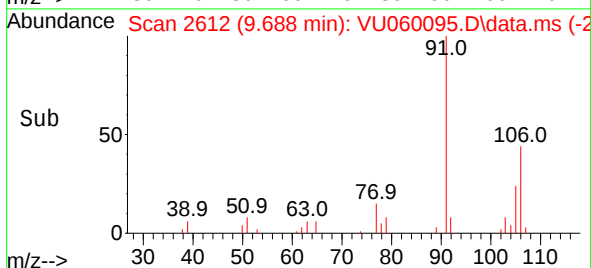
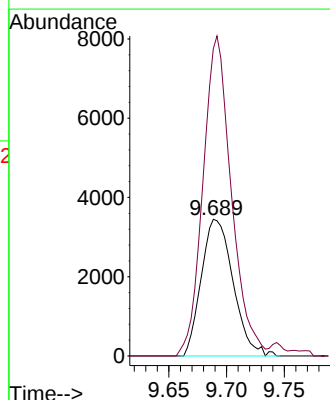
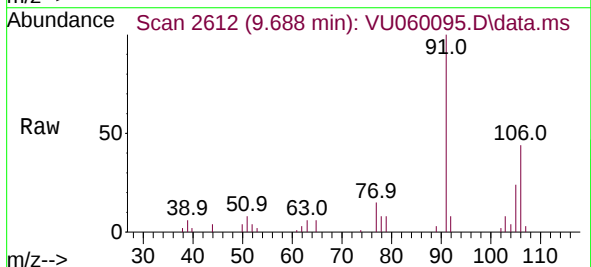
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MSVOA_U
ClientSampleId :

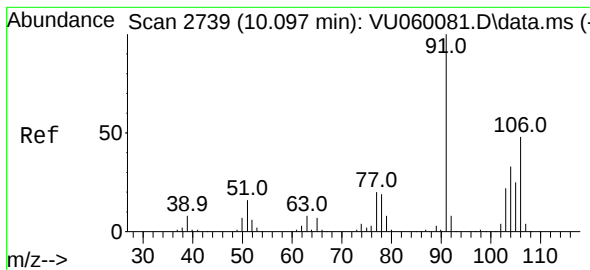
Tgt Ion: 91 Resp: 3987
Ion Ratio Lower Upper
91 100
106 36.4 21.9 40.7



#53
m,p-Xylene
Concen: 0.431 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU060095.D
Acq: 22 Jul 2024 15:57

Tgt Ion: 106 Resp: 6614
Ion Ratio Lower Upper
106 100
91 225.1 141.3 262.5





#54

o-Xylene

Concen: 0.283 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU060095.D

Acq: 22 Jul 2024 15:57

Instrument :

MSVOA_U

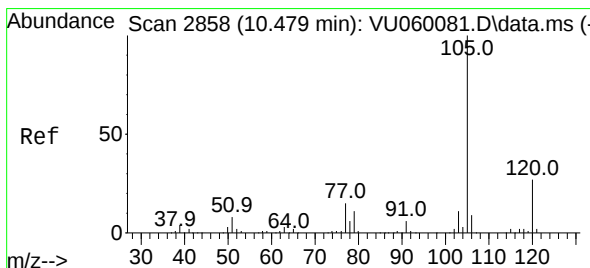
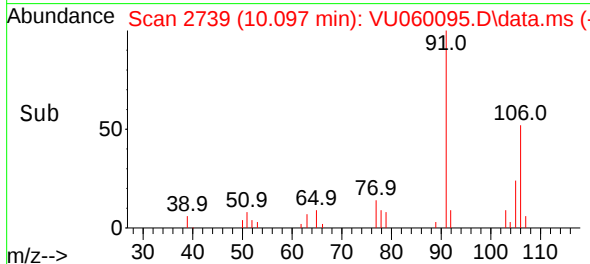
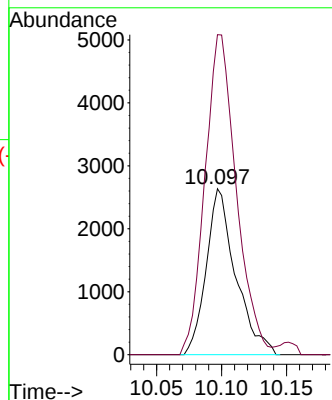
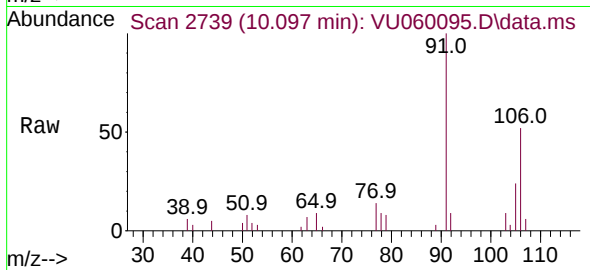
ClientSampleId :

Tgt Ion:106 Resp: 4158

Ion Ratio Lower Upper

106 100

91 192.9 143.6 266.6



#60

Isopropylbenzene

Concen: 0.096 ug/L

RT: 11.290 min Scan# 3110

Delta R.T. 0.814 min

Lab File: VU060095.D

Acq: 22 Jul 2024 15:57

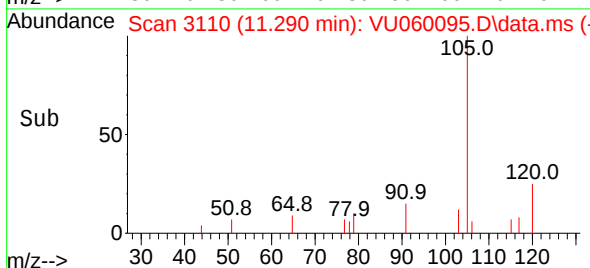
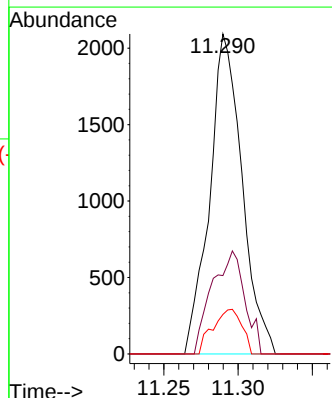
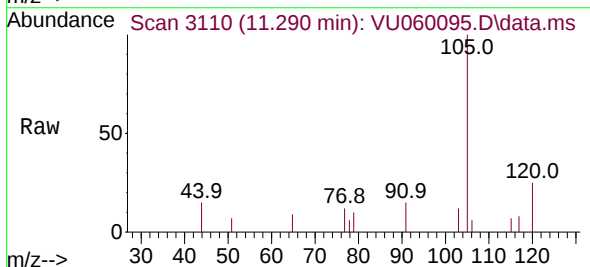
Tgt Ion:105 Resp: 3176

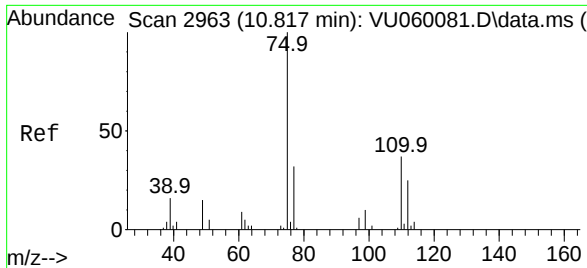
Ion Ratio Lower Upper

105 100

120 32.7 21.9 32.9

77 12.5 12.1 18.1

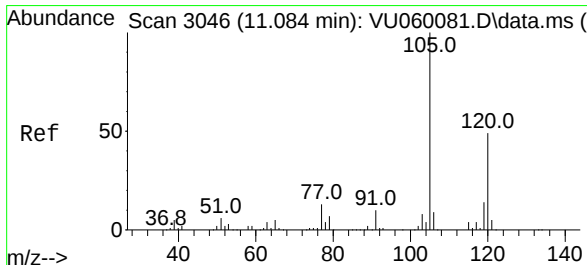
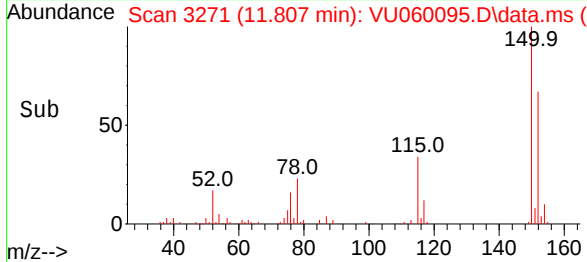
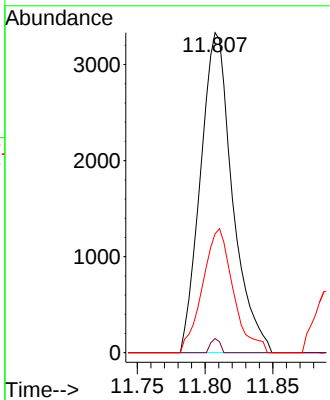
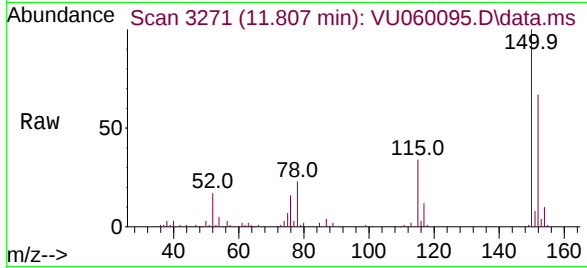




#61
 1,2,3-Trichloropropane
 Concen: 1.025 ug/L
 RT: 11.807 min Scan# 31
 Delta R.T. 0.994 min
 Lab File: VU060095.D
 Acq: 22 Jul 2024 15:57

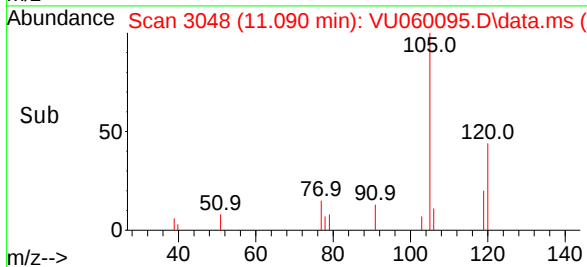
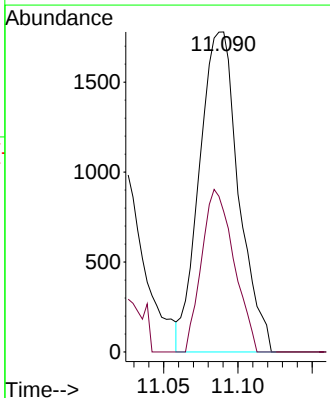
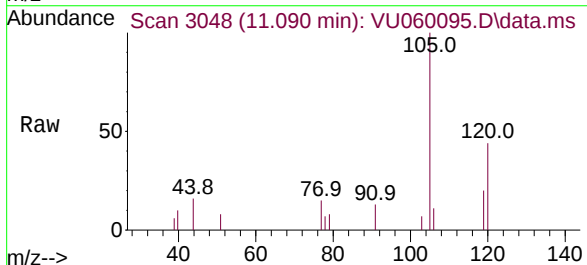
Instrument :
 MSVOA_U
 ClientSampleId :

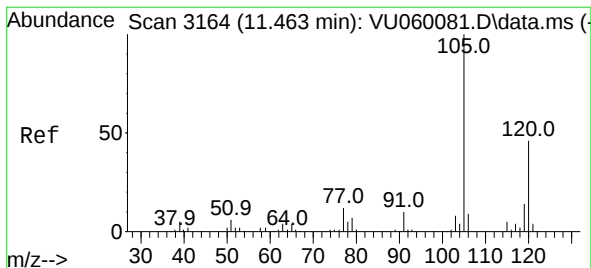
Tgt Ion: 75 Resp: 5471
 Ion Ratio Lower Upper
 75 100
 110 1.3 30.8 46.2#
 77 37.1 26.2 39.2



#62
 1,3,5-Trimethylbenzene
 Concen: 0.129 ug/L
 RT: 11.090 min Scan# 3048
 Delta R.T. 0.010 min
 Lab File: VU060095.D
 Acq: 22 Jul 2024 15:57

Tgt Ion:105 Resp: 3275
 Ion Ratio Lower Upper
 105 100
 120 41.8 39.4 59.2





#63

1,2,4-Trimethylbenzene

Concen: 0.298 ug/L

RT: 11.467 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VU060095.D

Acq: 22 Jul 2024 15:57

Instrument :

MSVOA_U

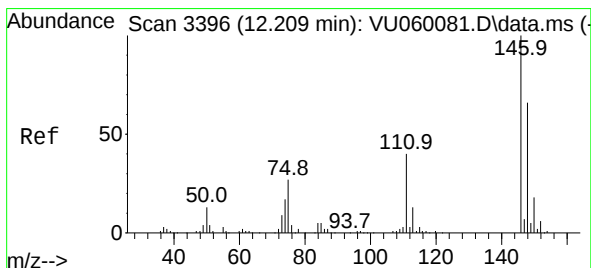
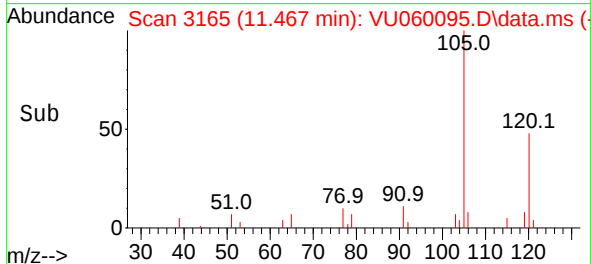
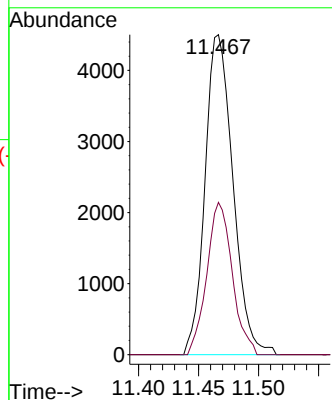
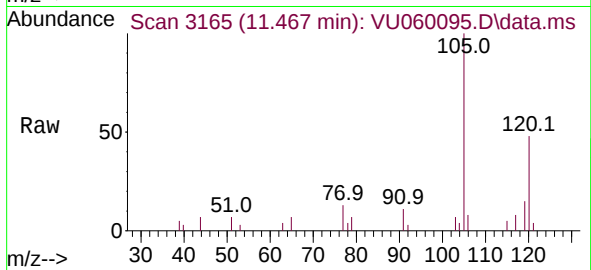
ClientSampleId :

Tgt Ion:105 Resp: 7297

Ion Ratio Lower Upper

105 100

120 43.3 36.7 55.1



#67

1,2-Dichlorobenzene

Concen: 0.175 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. 0.003 min

Lab File: VU060095.D

Acq: 22 Jul 2024 15:57

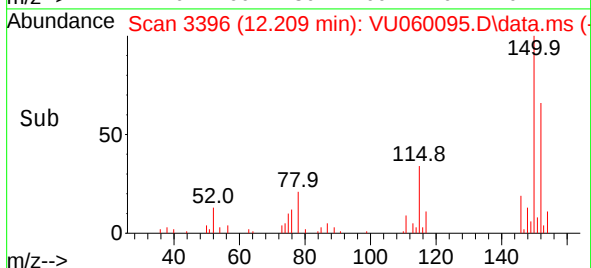
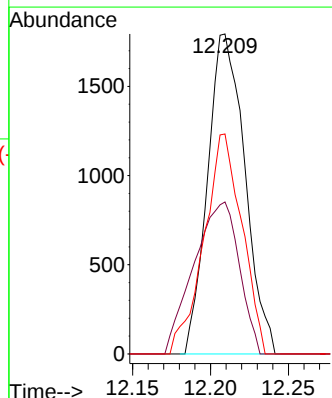
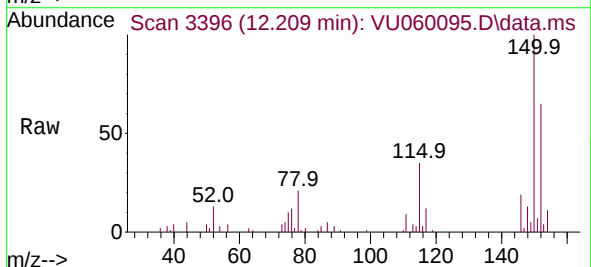
Tgt Ion:146 Resp: 2981

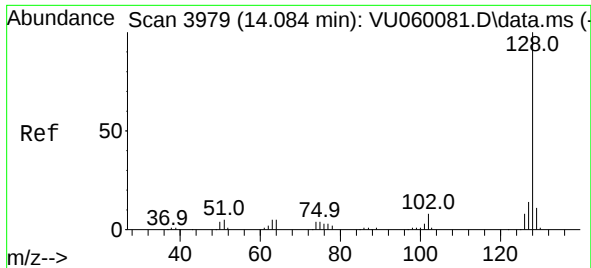
Ion Ratio Lower Upper

146 100

111 47.5 30.9 46.3#

148 68.7 49.8 74.8





#71

Naphthalene

Concen: 0.247 ug/L

RT: 14.100 min Scan# 3984

Delta R.T. 0.019 min

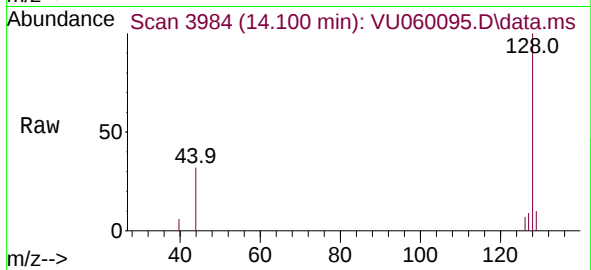
Lab File: VU060095.D

Acq: 22 Jul 2024 15:57

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:128 Resp: 3587

Ion Ratio Lower Upper

128 100

129 7.4 8.2 12.4#

127 9.8 10.6 16.0#

