

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071824\
 Data File : VU060050.D
 Acq On : 19 Jul 2024 10:40
 Operator : MD/SY
 Sample : P3217-04DL 100X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 20 00:56:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 19 02:49:52 2024
 Response via : Initial Calibration

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

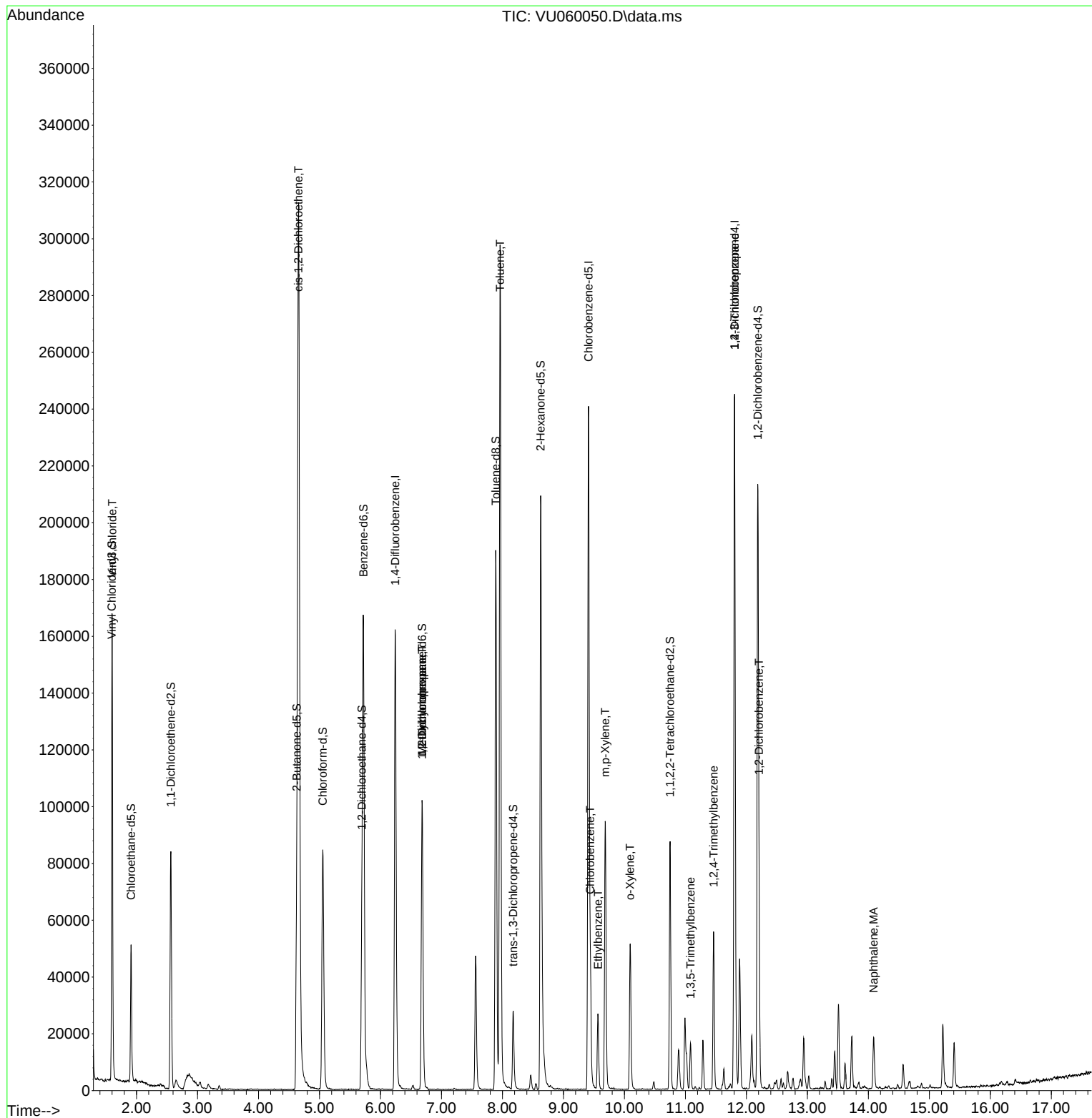
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	145242	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	149043	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	72097	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	38660	3.826	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.600%
7) Chloroethane-d5	1.911	69	36809	3.921	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.400%
11) 1,1-Dichloroethene-d2	2.563	65	15997	4.054	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.000%
20) 2-Butanone-d5	4.628	46	101066	42.778	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.560%
24) Chloroform-d	5.055	84	82719	3.895	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.800%
26) 1,2-Dichloroethane-d4	5.695	65	40222	4.067	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.400%
32) Benzene-d6	5.721	84	168023	4.208	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.200%
36) 1,2-Dichloropropane-d6	6.682	67	53923	4.238	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.800%
41) Toluene-d8	7.891	98	139688	3.872	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.400%
43) trans-1,3-Dichloroprop...	8.177	79	17424	4.023	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.400%
46) 2-Hexanone-d5	8.627	63	79197	41.204	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.400%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	44951	3.969	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	57819	4.443	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.800%
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	86502	5.817	ug/L	99
22) cis-1,2-Dichloroethene	4.657	96	168582	13.052	ug/L	100
35) Methylcyclohexane	6.682	83	11818	0.690	ug/L #	21
37) 1,2-Dichloropropane	6.685	63	5363	0.403	ug/L #	88
42) Toluene	7.962	91	235368	4.492	ug/L	100
51) Chlorobenzene	9.441	112	23674	0.692	ug/L	96
52) Ethylbenzene	9.566	91	20303	0.389	ug/L	99
53) m,p-Xylene	9.685	106	29420	1.457	ug/L	100
54) o-Xylene	10.094	106	15781	0.817	ug/L	98
61) 1,2,3-Trichloropropane	11.807	75	8185	1.077	ug/L #	66
62) 1,3,5-Trimethylbenzene	11.084	105	9653	0.268	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	31011	0.891	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	20513	0.845	ug/L	93
71) Naphthalene	14.087	128	18370	0.890	ug/L	98

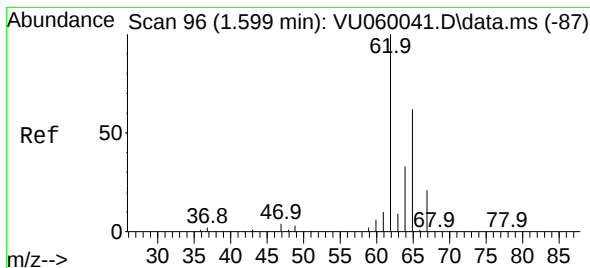
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 19 02:49:52 2024
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 5.817 ug/L

RT: 1.602 min Scan# 9

Delta R.T. 0.003 min

Lab File: VU060050.D

Acq: 19 Jul 2024 10:40

Instrument :

MSVOA_U

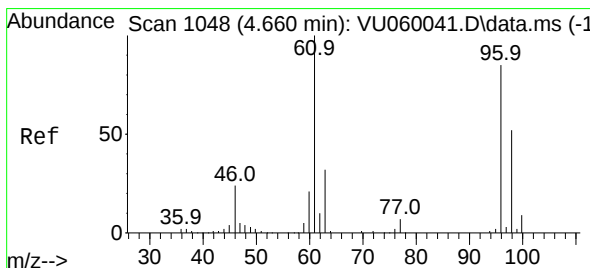
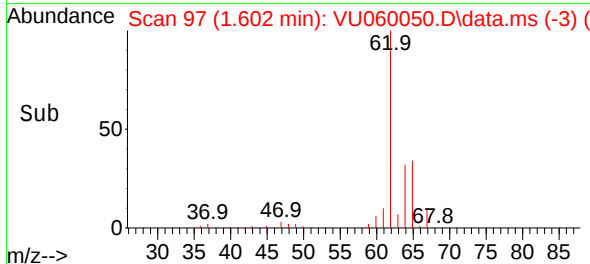
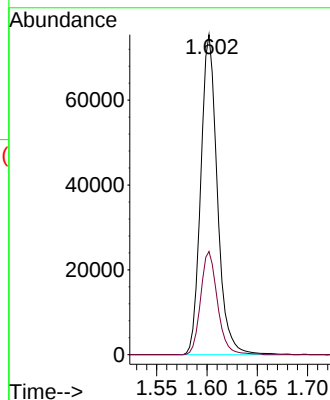
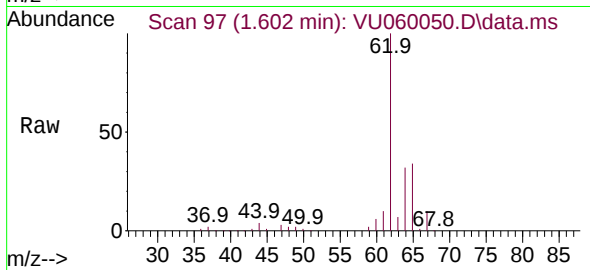
ClientSampleId :

Tgt Ion: 62 Resp: 86502

Ion Ratio Lower Upper

62 100

64 32.2 22.8 42.4



#22

cis-1,2-Dichloroethene

Concen: 13.052 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. -0.003 min

Lab File: VU060050.D

Acq: 19 Jul 2024 10:40

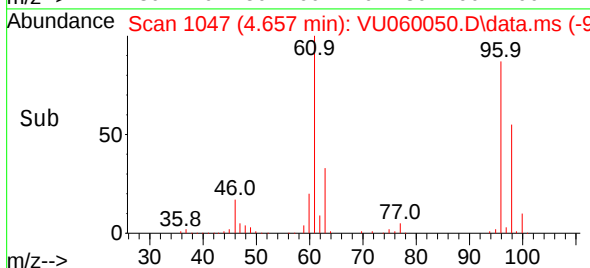
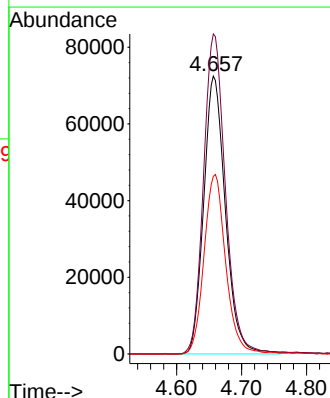
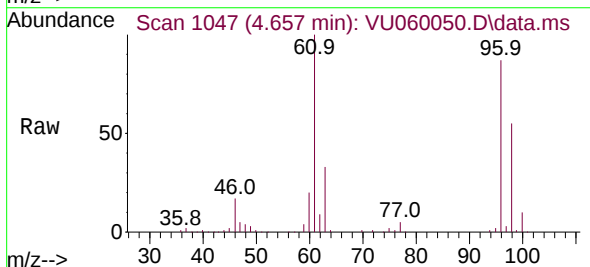
Tgt Ion: 96 Resp: 168582

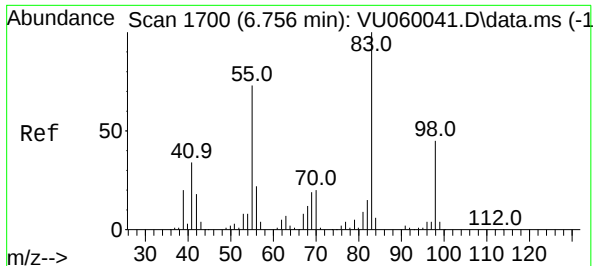
Ion Ratio Lower Upper

96 100

61 115.1 80.2 148.9

98 63.9 44.7 83.1





#35

Methylcyclohexane

Concen: 0.690 ug/L

RT: 6.682 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU060050.D

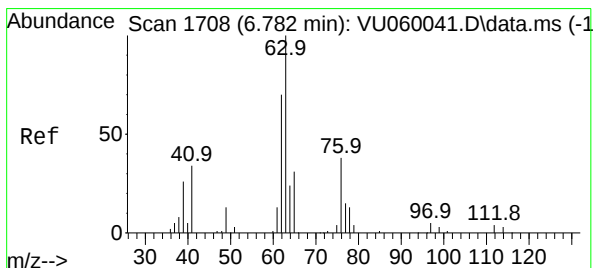
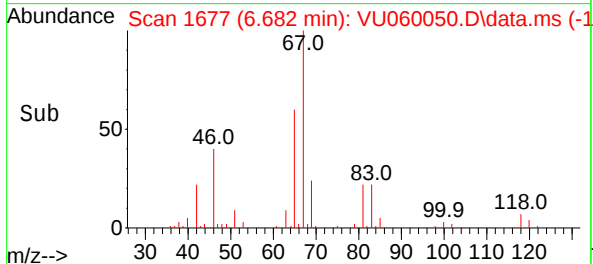
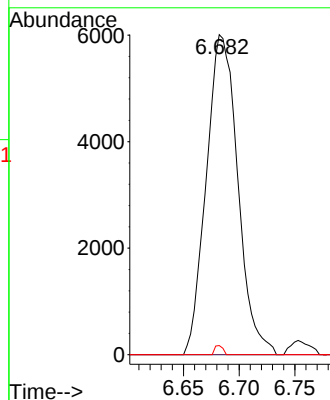
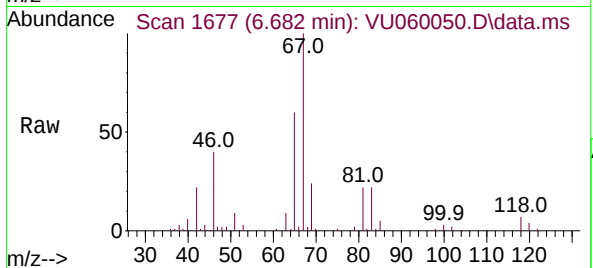
Acq: 19 Jul 2024 10:40

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 83	Resp: 11818
Ion Ratio	Lower Upper
83	100
55	0.0 56.7 85.1#
98	0.7 36.6 55.0#



#37

1,2-Dichloropropane

Concen: 0.403 ug/L

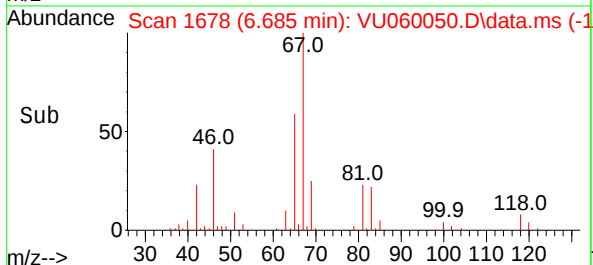
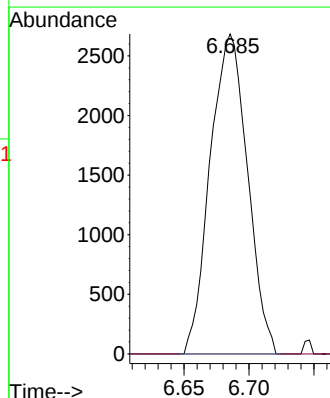
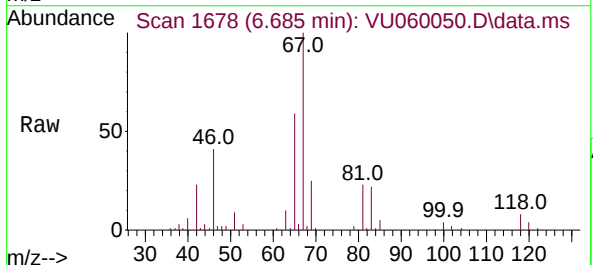
RT: 6.685 min Scan# 1678

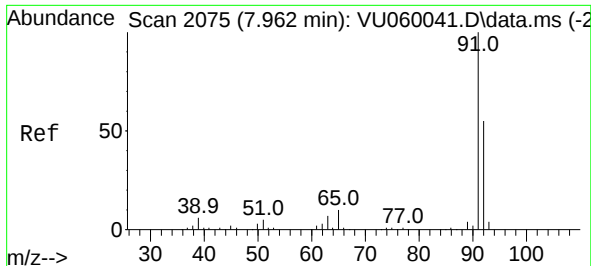
Delta R.T. -0.097 min

Lab File: VU060050.D

Acq: 19 Jul 2024 10:40

Tgt Ion: 63	Resp: 5363
Ion Ratio	Lower Upper
63	100
112	0.0 3.3 4.9#





#42

Toluene

Concen: 4.492 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU060050.D

Acq: 19 Jul 2024 10:40

Instrument :

MSVOA_U

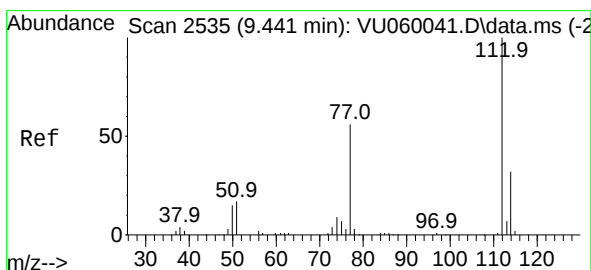
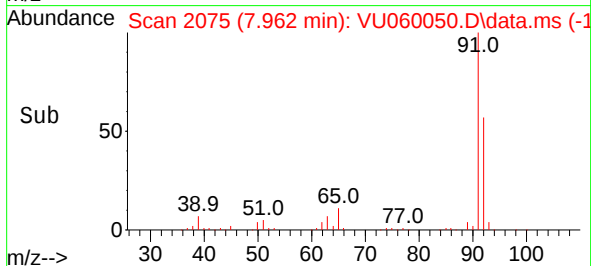
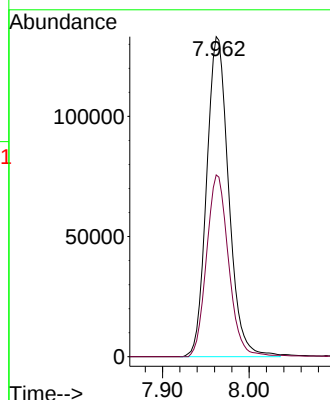
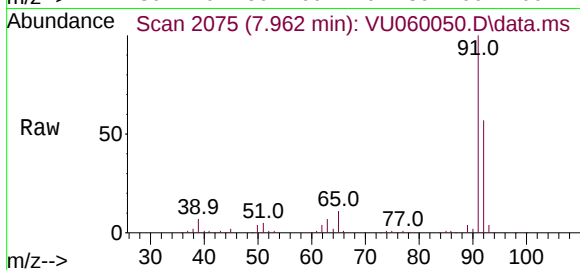
ClientSampleId :

Tgt Ion: 91 Resp: 235368

Ion Ratio Lower Upper

91 100

92 56.8 39.8 73.8



#51

Chlorobenzene

Concen: 0.692 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.000 min

Lab File: VU060050.D

Acq: 19 Jul 2024 10:40

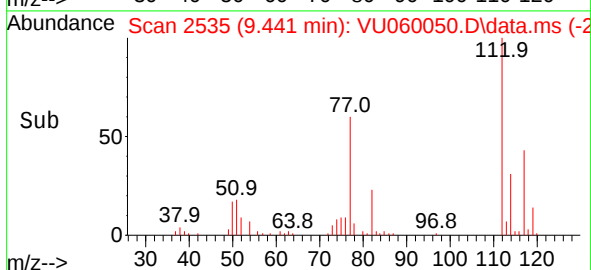
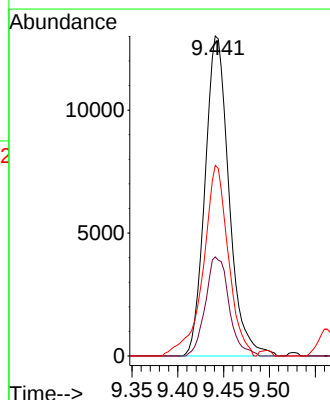
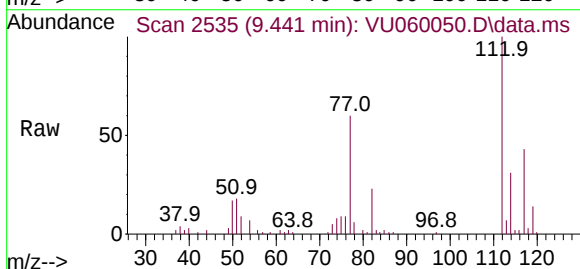
Tgt Ion: 112 Resp: 23674

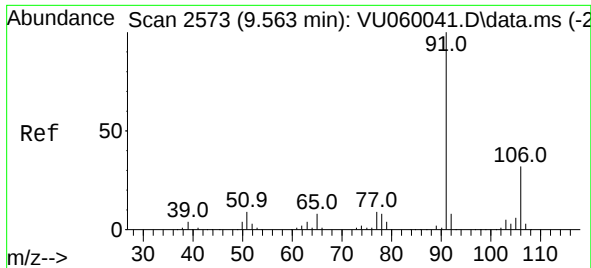
Ion Ratio Lower Upper

112 100

114 30.9 22.1 41.1

77 59.6 44.7 67.1

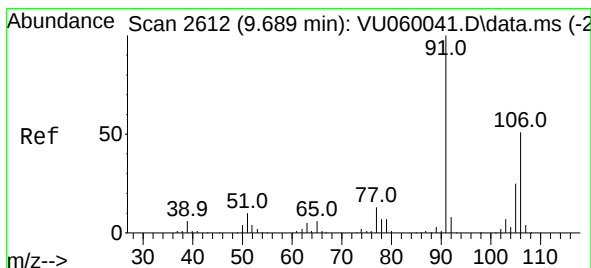
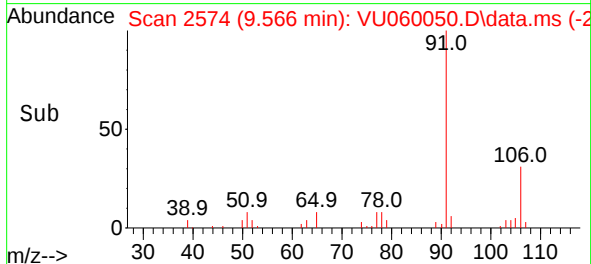
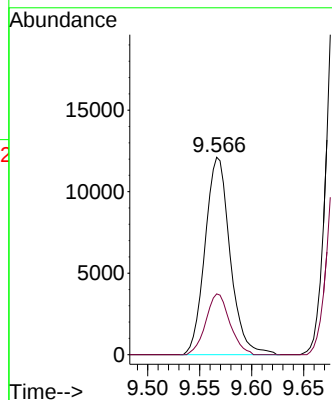
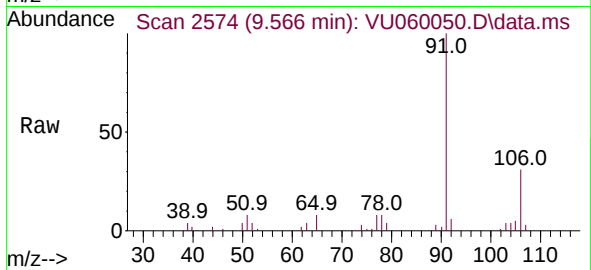




#52
Ethylbenzene
Concen: 0.389 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.003 min
Lab File: VU060050.D
Acq: 19 Jul 2024 10:40

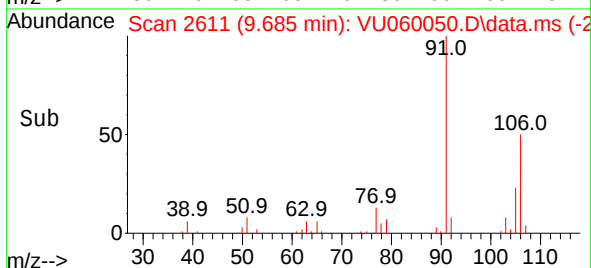
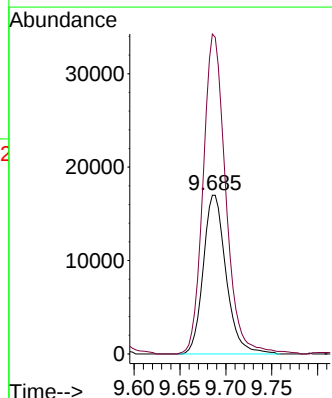
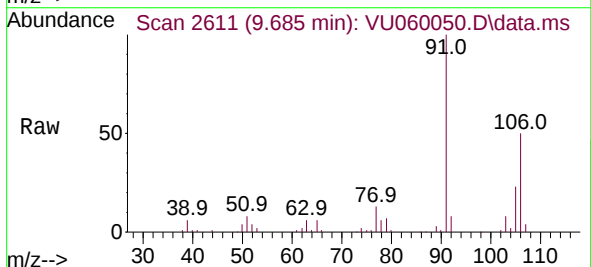
Instrument :
MSVOA_U
ClientSampleId :

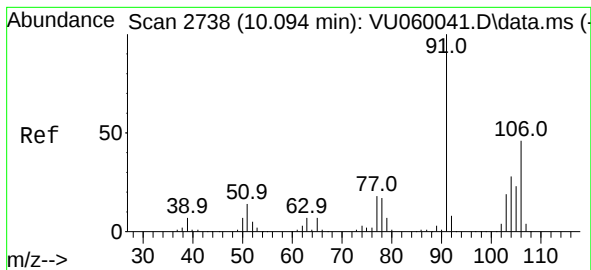
Tgt Ion: 91 Resp: 20303
Ion Ratio Lower Upper
91 100
106 30.8 21.9 40.7



#53
m,p-Xylene
Concen: 1.457 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. -0.003 min
Lab File: VU060050.D
Acq: 19 Jul 2024 10:40

Tgt Ion:106 Resp: 29420
Ion Ratio Lower Upper
106 100
91 201.6 141.3 262.5





#54

o-Xylene

Concen: 0.817 ug/L

RT: 10.094 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU060050.D

Acq: 19 Jul 2024 10:40

Instrument :

MSVOA_U

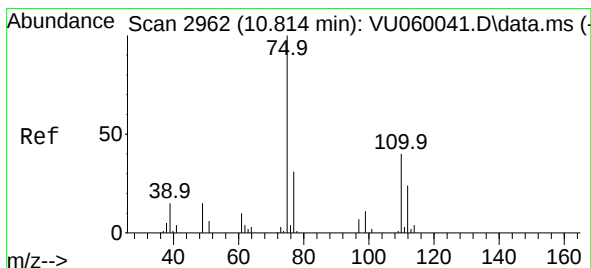
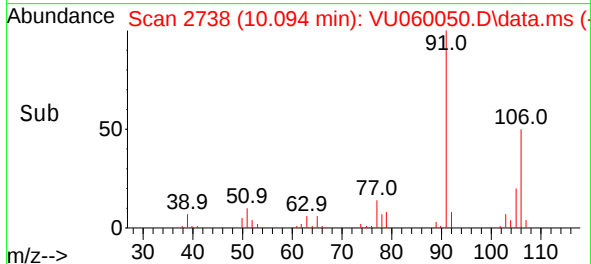
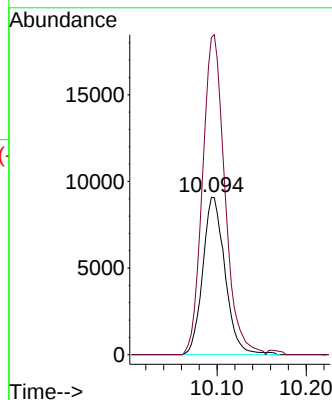
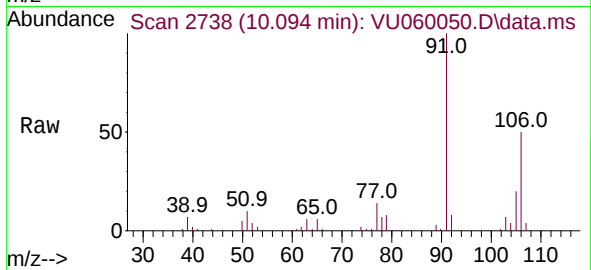
ClientSampleId :

Tgt Ion:106 Resp: 15781

Ion Ratio Lower Upper

106 100

91 201.7 143.6 266.6



#61

1,2,3-Trichloropropane

Concen: 1.077 ug/L

RT: 11.807 min Scan# 3271

Delta R.T. 0.993 min

Lab File: VU060050.D

Acq: 19 Jul 2024 10:40

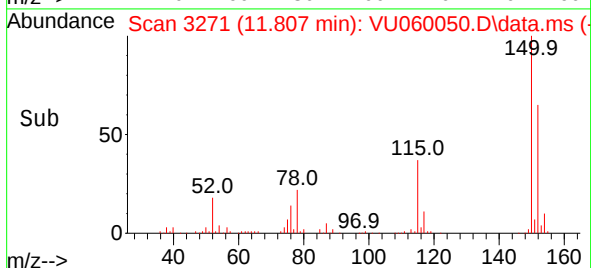
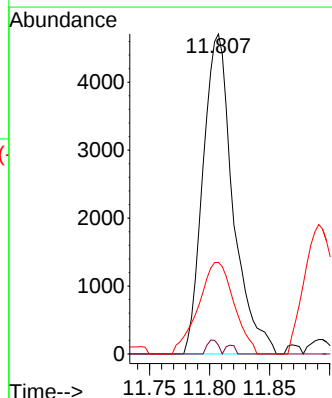
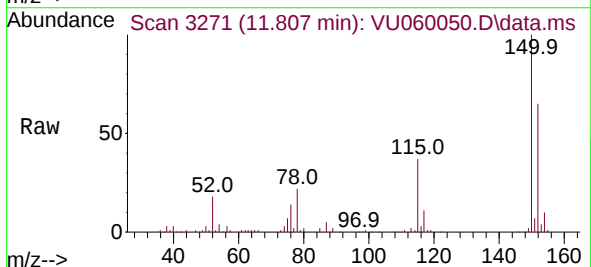
Tgt Ion: 75 Resp: 8185

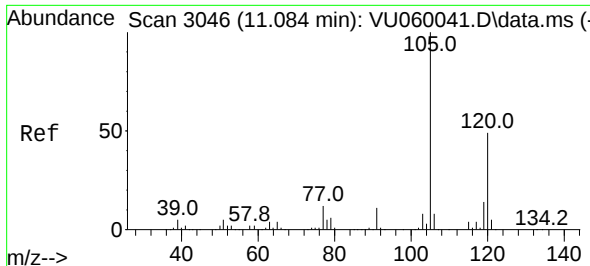
Ion Ratio Lower Upper

75 100

110 1.6 30.8 46.2#

77 34.0 26.2 39.2





#62

1,3,5-Trimethylbenzene

Concen: 0.268 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU060050.D

Acq: 19 Jul 2024 10:40

Instrument :

MSVOA_U

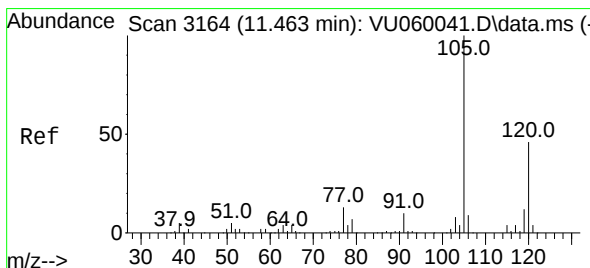
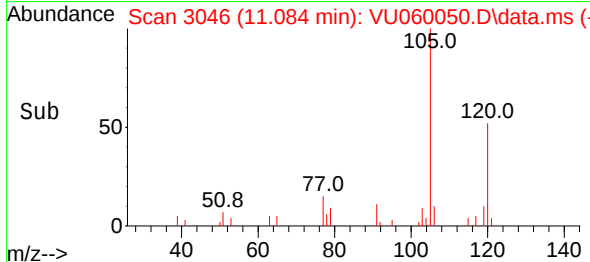
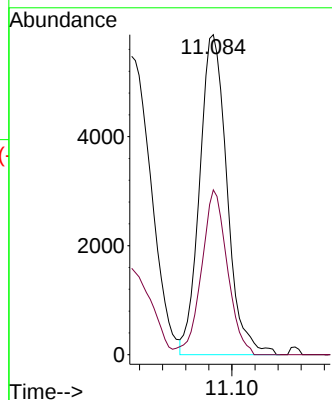
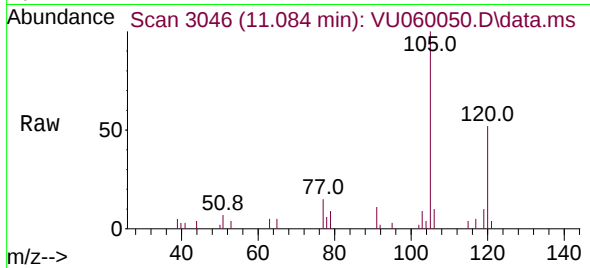
ClientSampleId :

Tgt Ion:105 Resp: 9653

Ion Ratio Lower Upper

105 100

120 48.6 39.4 59.2



#63

1,2,4-Trimethylbenzene

Concen: 0.891 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU060050.D

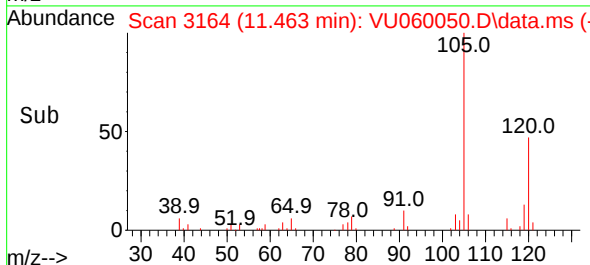
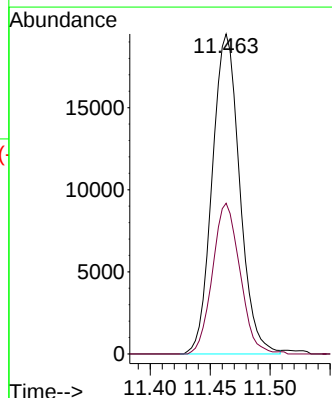
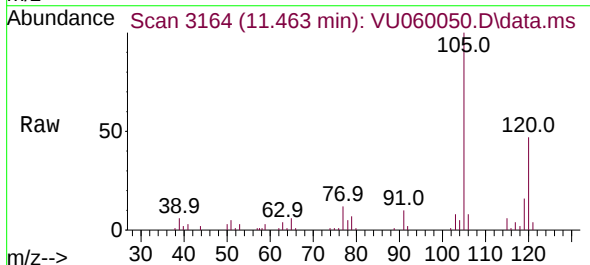
Acq: 19 Jul 2024 10:40

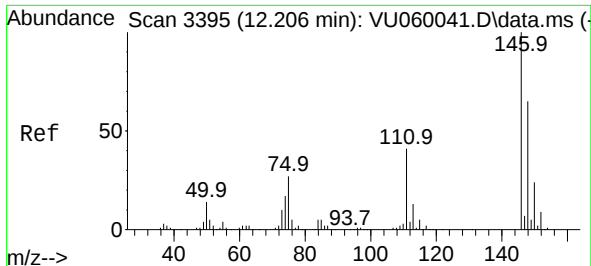
Tgt Ion:105 Resp: 31011

Ion Ratio Lower Upper

105 100

120 47.2 36.7 55.1





#67

1,2-Dichlorobenzene

Concen: 0.845 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

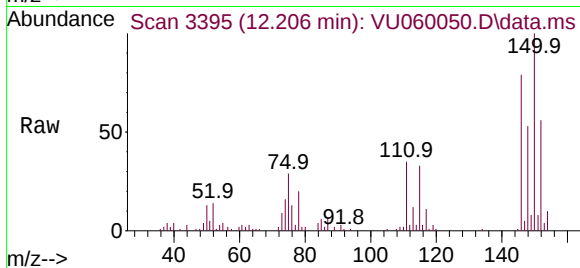
Lab File: VU060050.D

Acq: 19 Jul 2024 10:40

Instrument :

MSVOA_U

ClientSampleId :



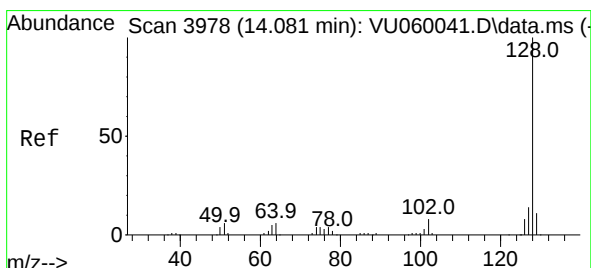
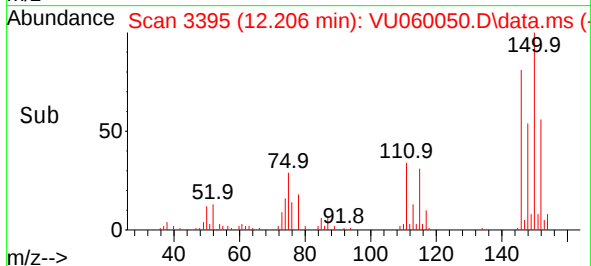
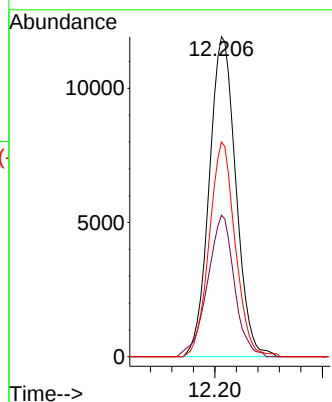
Tgt Ion:146 Resp: 20513

Ion Ratio Lower Upper

146 100

111 44.2 30.9 46.3

148 67.1 49.8 74.8



#71

Naphthalene

Concen: 0.890 ug/L

RT: 14.087 min Scan# 3980

Delta R.T. 0.006 min

Lab File: VU060050.D

Acq: 19 Jul 2024 10:40

Tgt Ion:128 Resp: 18370

Ion Ratio Lower Upper

128 100

129 9.1 8.2 12.4

127 12.6 10.6 16.0

