

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071824\
 Data File : VU060026.D
 Acq On : 18 Jul 2024 18:47
 Operator : MD/SY
 Sample : P3217-19 100X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 19 01:36:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 19 01:30:22 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	148538	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	150234	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	80280	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	44924	4.347	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.000%
7) Chloroethane-d5	1.907	69	41793	4.353	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.000%
11) 1,1-Dichloroethene-d2	2.560	65	18238	4.520	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.400%
20) 2-Butanone-d5	4.628	46	133234	55.142	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.280%
24) Chloroform-d	5.055	84	93933	4.325	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.400%
26) 1,2-Dichloroethane-d4	5.695	65	48170	4.763	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.200%
32) Benzene-d6	5.721	84	190165	4.724	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
36) 1,2-Dichloropropane-d6	6.685	67	61115	4.765	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.200%
41) Toluene-d8	7.891	98	157161	4.321	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.400%
43) trans-1,3-Dichloroprop...	8.177	79	21066	4.825	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.400%
46) 2-Hexanone-d5	8.627	63	107002	55.228	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.460%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	54241	4.752	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	71617	4.942	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.800%

Target Compounds				Qvalue		
5) Vinyl chloride	1.599	62	188870	12.418	ug/L	99
12) 1,1-Dichloroethene	2.573	96	5211	0.460	ug/L #	1
16) Methylene chloride	3.042	84	4544	0.327	ug/L	93
18) trans-1,2-Dichloroethene	3.354	96	1993	0.169	ug/L	85
22) cis-1,2-Dichloroethene	4.657	96	732957	55.488	ug/L	99
33) Benzene	5.769	78	14661	0.295	ug/L	100
37) 1,2-Dichloropropane	6.682	63	5942	0.443	ug/L #	88
42) Toluene	7.962	91	759122	14.373	ug/L	100
49) Dibromochloromethane	8.547	129	3448	0.304	ug/L #	10
52) Ethylbenzene	9.566	91	62152	1.180	ug/L	99
53) m,p-Xylene	9.685	106	91319	4.488	ug/L	97
54) o-Xylene	10.097	106	71871	3.693	ug/L	95
55) Styrene	10.094	104	5124	0.155	ug/L #	1
60) Isopropylbenzene	11.287	105	86696	1.651	ug/L	93
61) 1,2,3-Trichloropropane	10.994	75	1249	0.148	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.084	105	83420	2.079	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	258690	6.673	ug/L	100
67) 1,2-Dichlorobenzene	12.209	146	8893	0.329	ug/L	90
68) 1,2-Dibromo-3-chloropr...	12.965	75	178	0.108	ug/L #	1

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Jul 19 01:30:22 2024
Response via : Initial Calibration

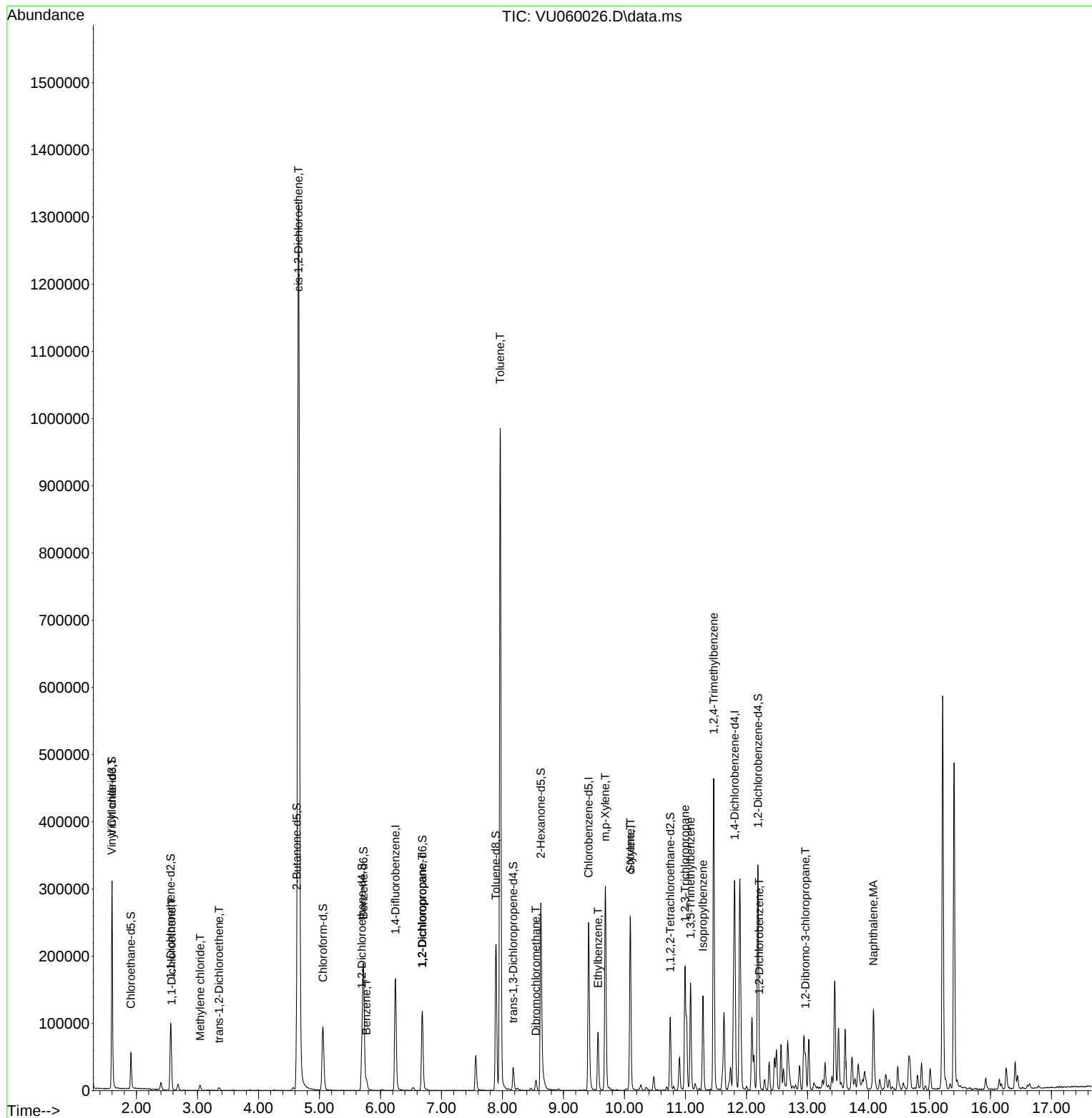
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	14.081	128	102684	4.466	ug/L	97

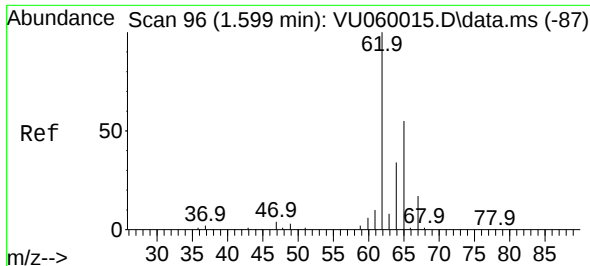
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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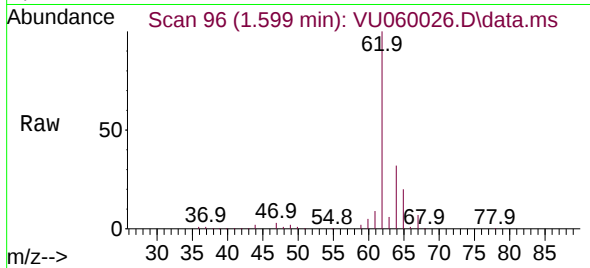
Quant Time: Jul 19 01:36:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
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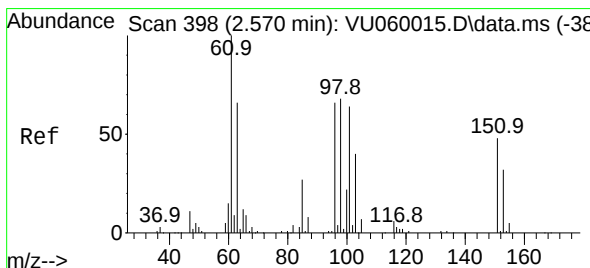
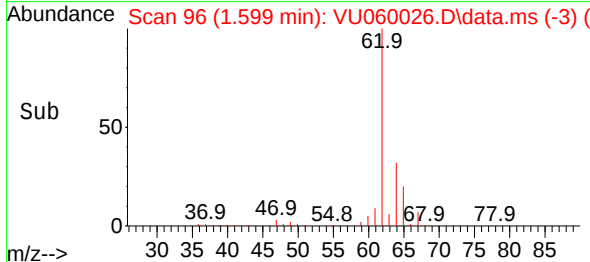
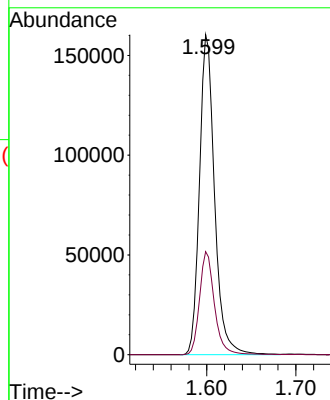


#5
 Vinyl chloride
 Concen: 12.418 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: VU060026.D
 Acq: 18 Jul 2024 18:47

Instrument :
 MSVOA_U
 ClientSampleId :

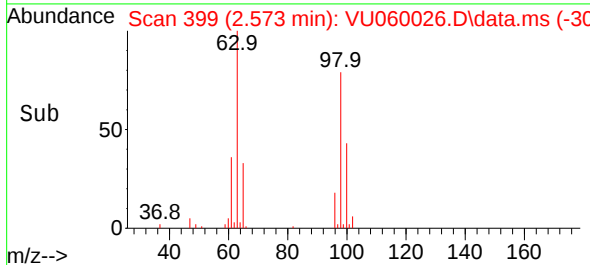
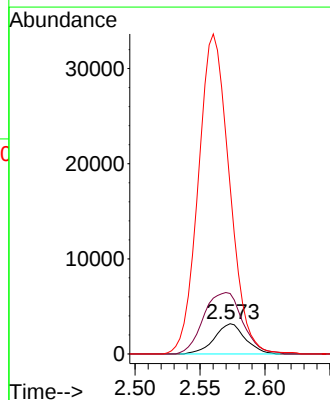
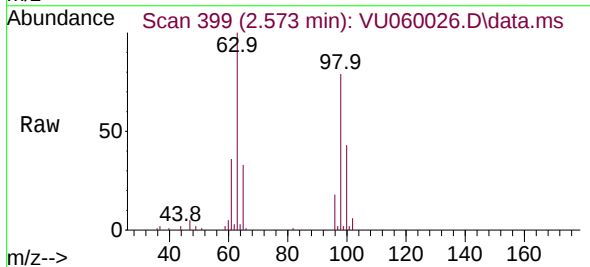


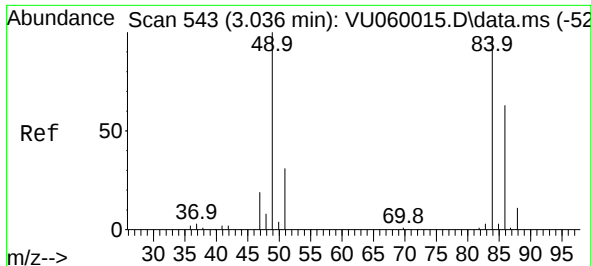
Tgt Ion: 62 Resp: 188870
 Ion Ratio Lower Upper
 62 100
 64 32.2 22.8 42.4



#12
 1,1-Dichloroethene
 Concen: 0.460 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.003 min
 Lab File: VU060026.D
 Acq: 18 Jul 2024 18:47

Tgt Ion: 96 Resp: 5211
 Ion Ratio Lower Upper
 96 100
 61 200.0 107.0 198.6#
 63 555.7 76.4 142.0#





#16

Methylene chloride

Concen: 0.327 ug/L

RT: 3.042 min Scan# 543

Delta R.T. 0.006 min

Lab File: VU060026.D

Acq: 18 Jul 2024 18:47

Instrument :

MSVOA_U

ClientSampleId :

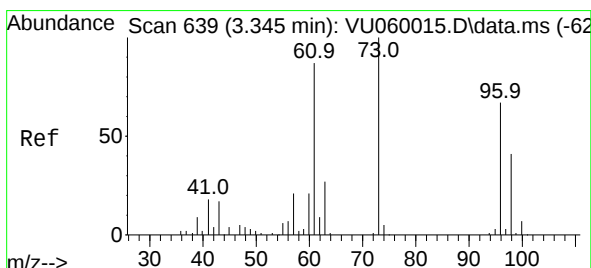
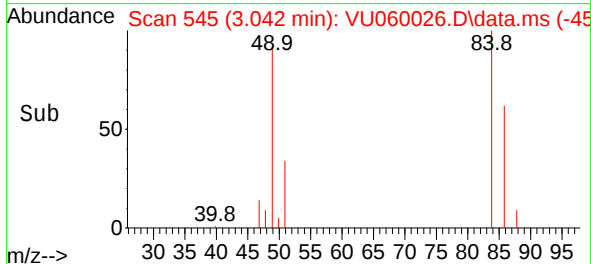
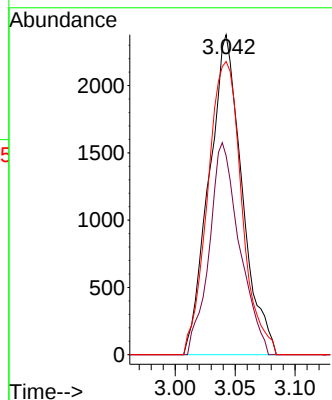
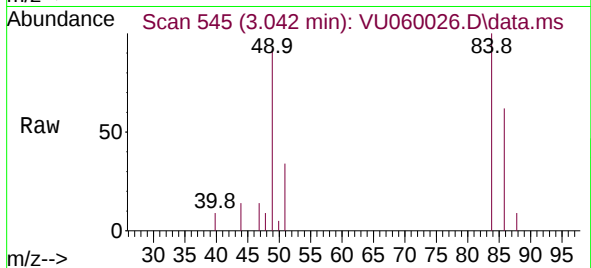
Tgt Ion: 84 Resp: 4544

Ion Ratio Lower Upper

84 100

86 62.2 44.4 82.5

49 91.6 72.0 133.6



#18

trans-1,2-Dichloroethene

Concen: 0.169 ug/L

RT: 3.354 min Scan# 642

Delta R.T. 0.010 min

Lab File: VU060026.D

Acq: 18 Jul 2024 18:47

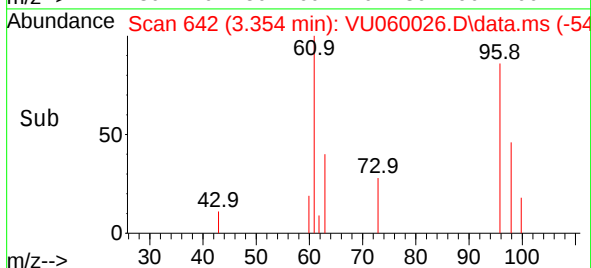
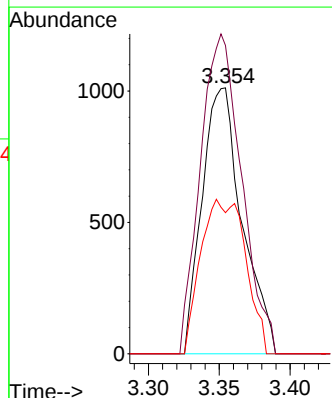
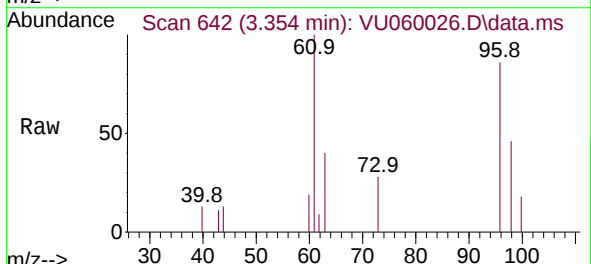
Tgt Ion: 96 Resp: 1993

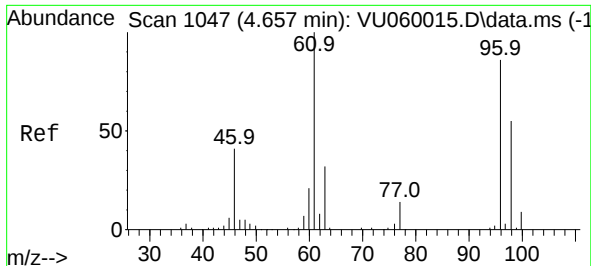
Ion Ratio Lower Upper

96 100

61 115.9 91.6 170.0

98 53.1 47.7 88.5

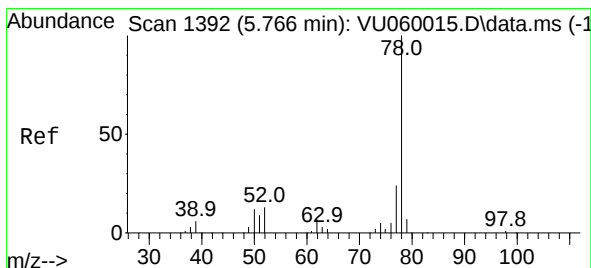
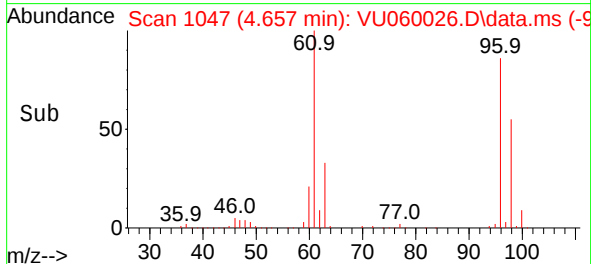
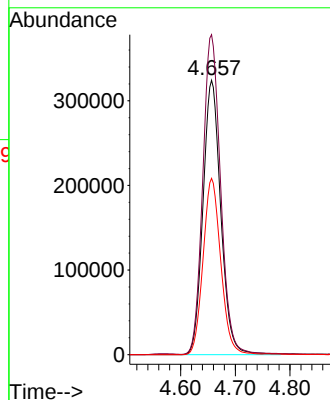
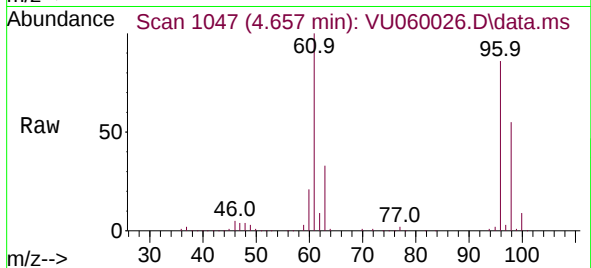




#22
 cis-1,2-Dichloroethene
 Concen: 55.488 ug/L
 RT: 4.657 min Scan# 1047
 Delta R.T. 0.000 min
 Lab File: VU060026.D
 Acq: 18 Jul 2024 18:47

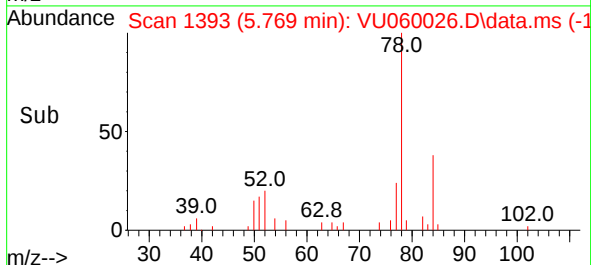
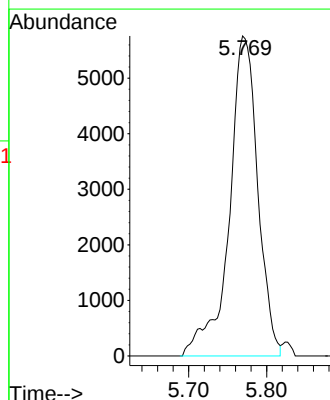
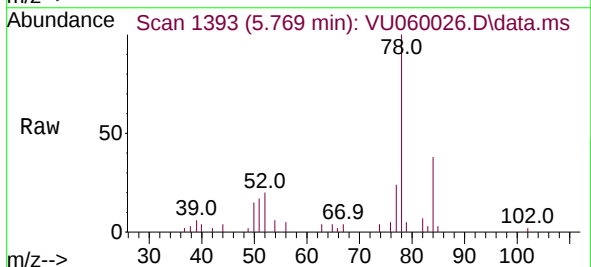
Instrument :
 MSVOA_U
 ClientSampleId :

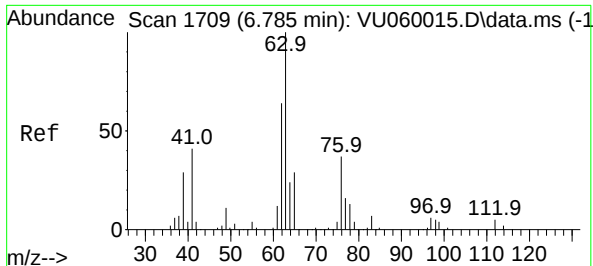
Tgt Ion: 96 Resp: 732957
 Ion Ratio Lower Upper
 96 100
 61 116.6 80.2 148.9
 98 64.2 44.7 83.1



#33
 Benzene
 Concen: 0.295 ug/L
 RT: 5.769 min Scan# 1393
 Delta R.T. 0.003 min
 Lab File: VU060026.D
 Acq: 18 Jul 2024 18:47

Tgt Ion: 78 Resp: 14661

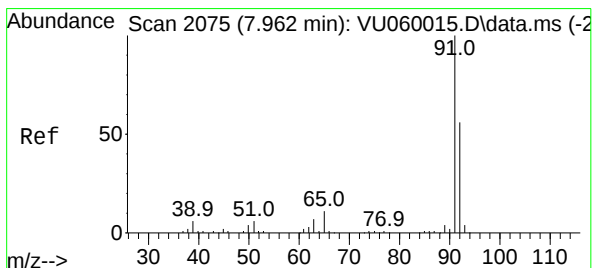
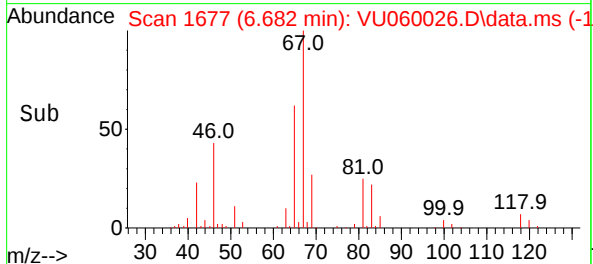
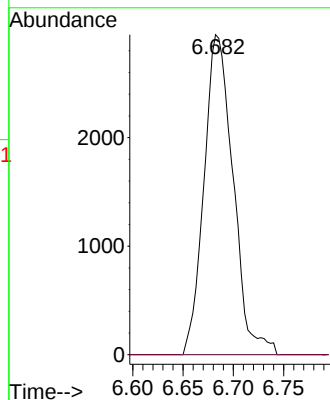
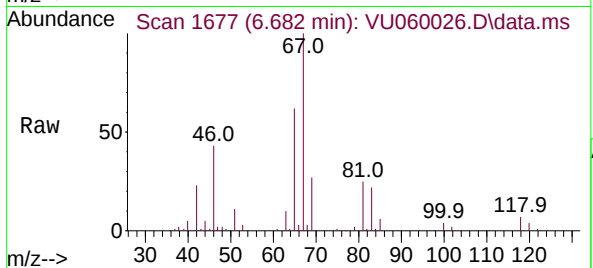




#37
1,2-Dichloropropane
Concen: 0.443 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.103 min
Lab File: VU060026.D
Acq: 18 Jul 2024 18:47

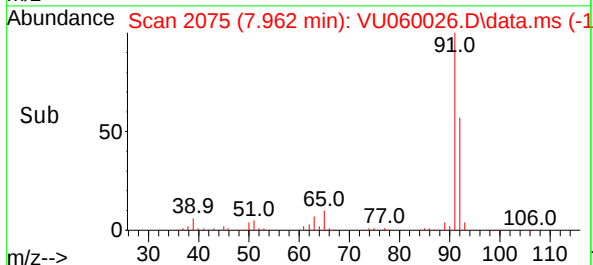
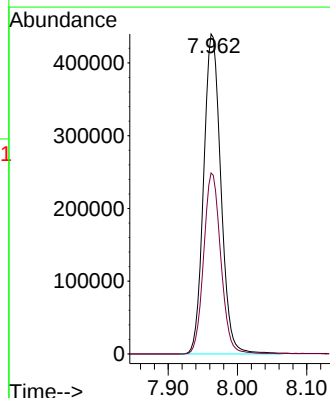
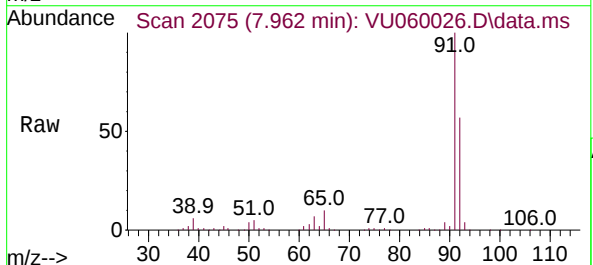
Instrument :
MSVOA_U
ClientSampleId :

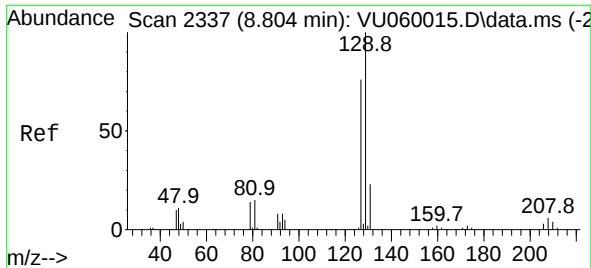
Tgt Ion: 63 Resp: 5942
Ion Ratio Lower Upper
63 100
112 0.0 3.3 4.9#



#42
Toluene
Concen: 14.373 ug/L
RT: 7.962 min Scan# 2075
Delta R.T. 0.000 min
Lab File: VU060026.D
Acq: 18 Jul 2024 18:47

Tgt Ion: 91 Resp: 759122
Ion Ratio Lower Upper
91 100
92 56.5 39.8 73.8

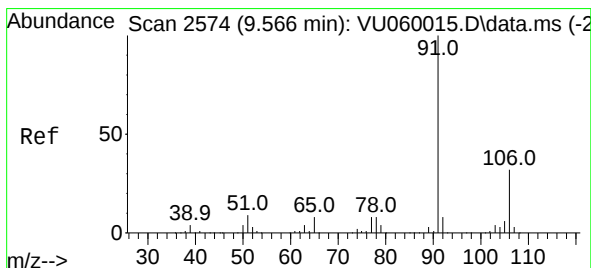
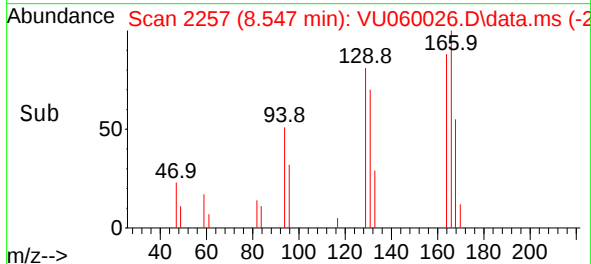
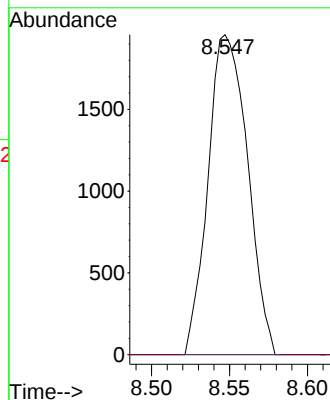
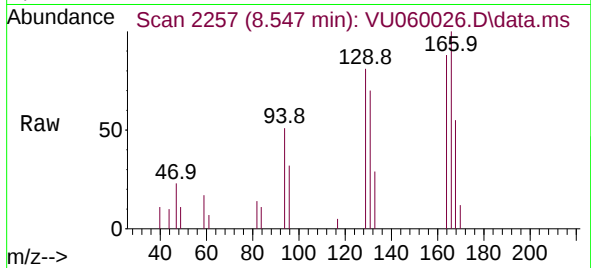




#49
Dibromochloromethane
Concen: 0.304 ug/L
RT: 8.547 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU060026.D
Acq: 18 Jul 2024 18:47

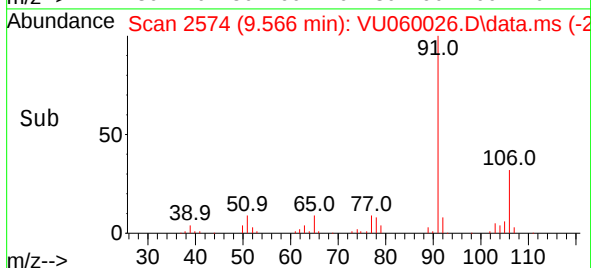
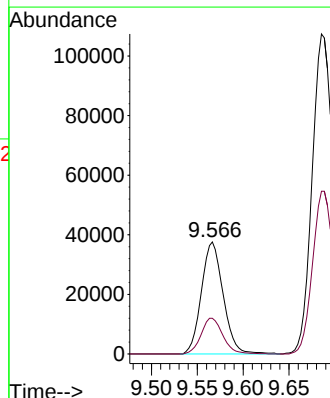
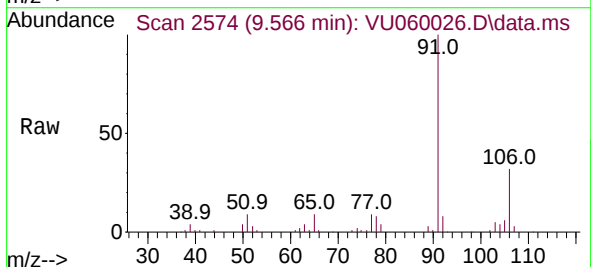
Instrument :
MSVOA_U
ClientSampleId :

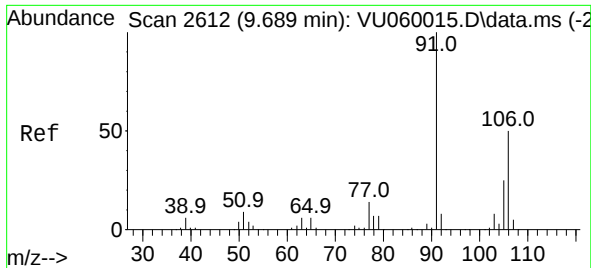
Tgt Ion:129 Resp: 3448
Ion Ratio Lower Upper
129 100
127 0.0 54.6 101.4#



#52
Ethylbenzene
Concen: 1.180 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.000 min
Lab File: VU060026.D
Acq: 18 Jul 2024 18:47

Tgt Ion: 91 Resp: 62152
Ion Ratio Lower Upper
91 100
106 31.9 21.9 40.7

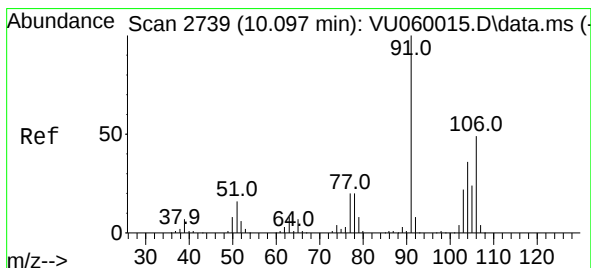
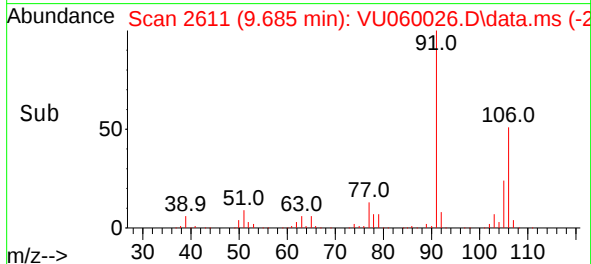
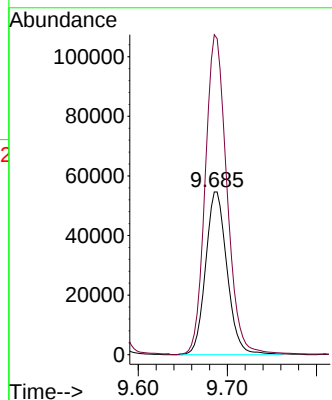
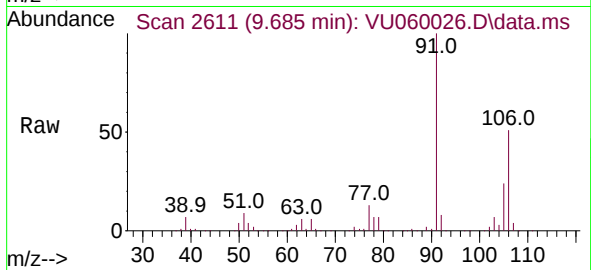




#53
m,p-Xylene
Concen: 4.488 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. -0.003 min
Lab File: VU060026.D
Acq: 18 Jul 2024 18:47

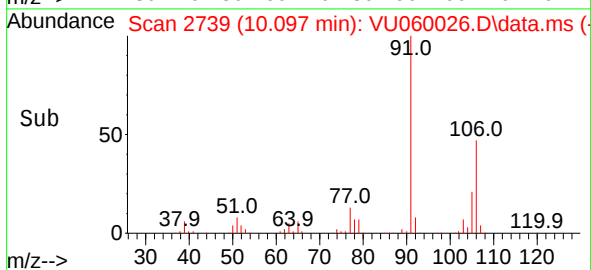
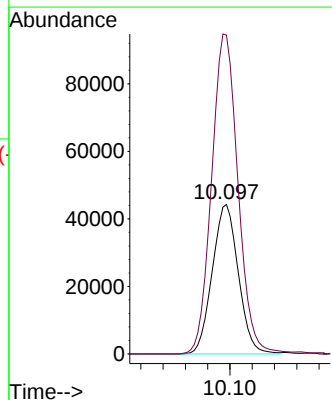
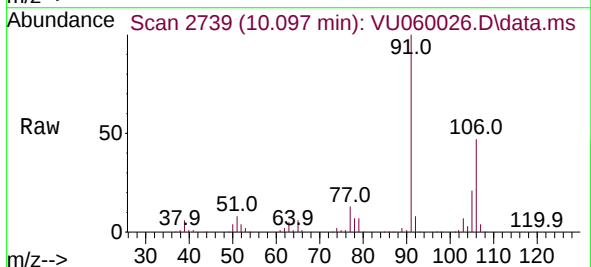
Instrument :
MSVOA_U
ClientSampleId :

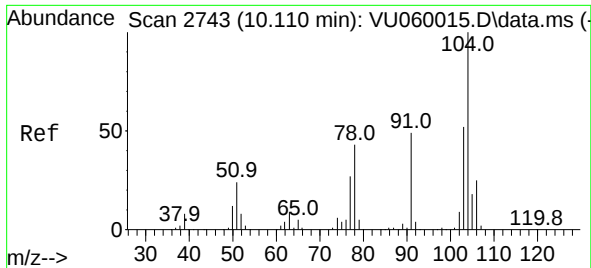
Tgt Ion:106 Resp: 91319
Ion Ratio Lower Upper
106 100
91 196.6 141.3 262.5



#54
o-Xylene
Concen: 3.693 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.000 min
Lab File: VU060026.D
Acq: 18 Jul 2024 18:47

Tgt Ion:106 Resp: 71871
Ion Ratio Lower Upper
106 100
91 213.1 143.6 266.6

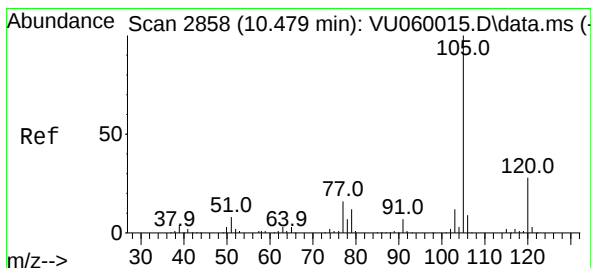
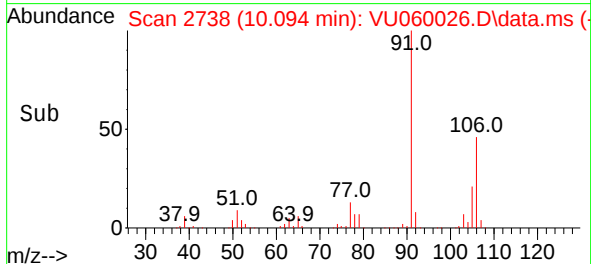
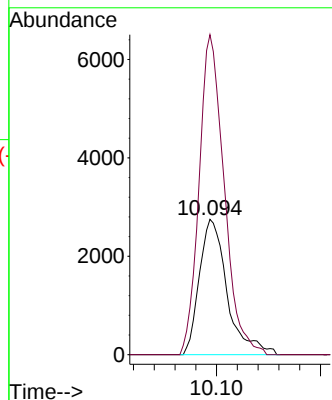
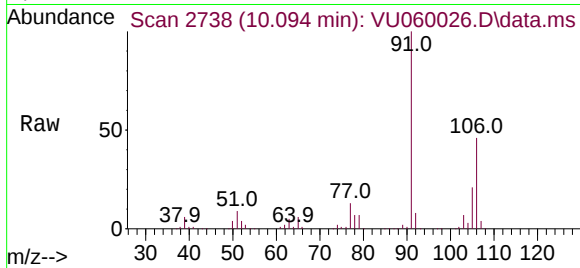




#55
Styrene
Concen: 0.155 ug/L
RT: 10.094 min Scan# 21
Delta R.T. -0.016 min
Lab File: VU060026.D
Acq: 18 Jul 2024 18:47

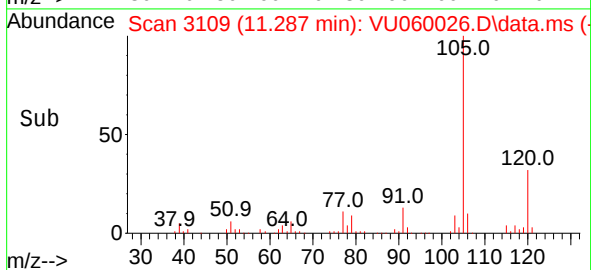
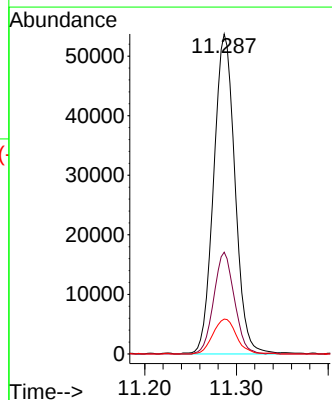
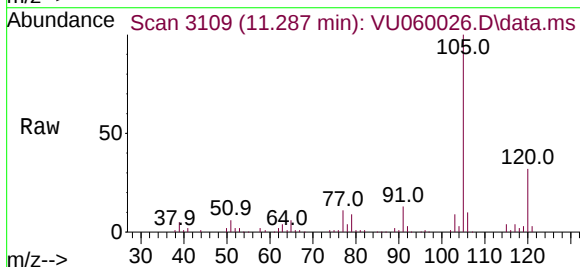
Instrument :
MSVOA_U
ClientSampleId :

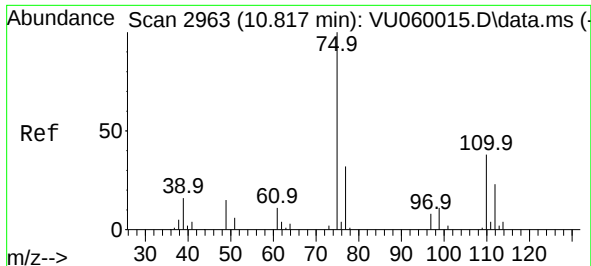
Tgt Ion:104 Resp: 5124
Ion Ratio Lower Upper
104 100
78 236.4 31.4 58.4#



#60
Isopropylbenzene
Concen: 1.651 ug/L
RT: 11.287 min Scan# 3109
Delta R.T. 0.807 min
Lab File: VU060026.D
Acq: 18 Jul 2024 18:47

Tgt Ion:105 Resp: 86696
Ion Ratio Lower Upper
105 100
120 30.7 21.9 32.9
77 12.1 12.1 18.1





#61

1,2,3-Trichloropropane

Concen: 0.148 ug/L

RT: 10.994 min Scan# 3018

Delta R.T. 0.177 min

Lab File: VU060026.D

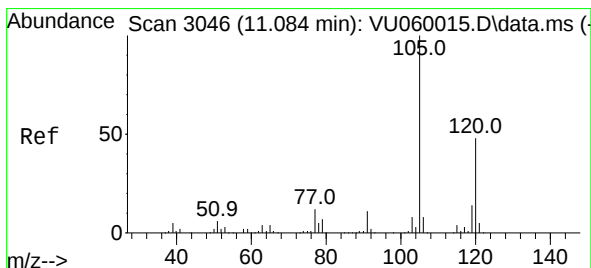
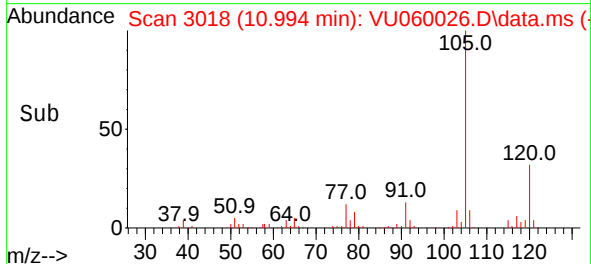
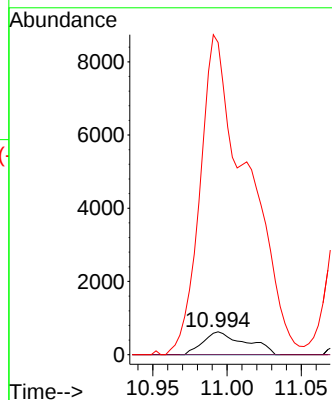
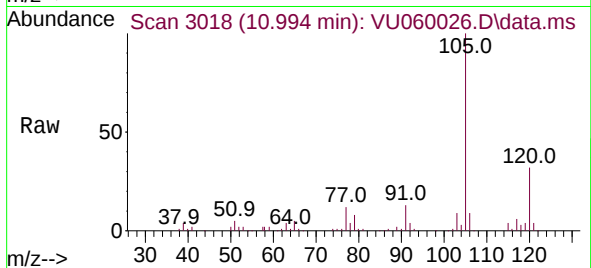
Acq: 18 Jul 2024 18:47

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 75 Resp: 1249
 Ion Ratio Lower Upper
 75 100
 110 0.0 30.8 46.2#
 77 1571.6 26.2 39.2#



#62

1,3,5-Trimethylbenzene

Concen: 2.079 ug/L

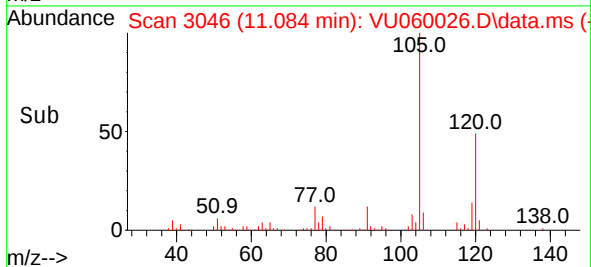
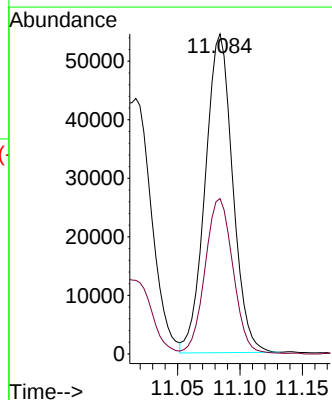
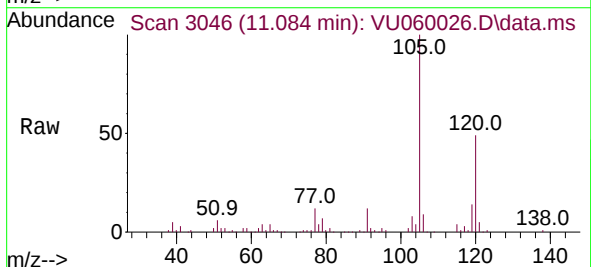
RT: 11.084 min Scan# 3046

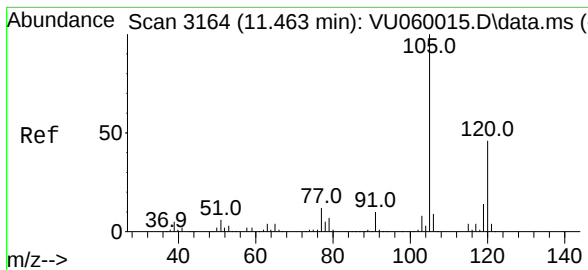
Delta R.T. 0.000 min

Lab File: VU060026.D

Acq: 18 Jul 2024 18:47

Tgt Ion:105 Resp: 83420
 Ion Ratio Lower Upper
 105 100
 120 49.2 39.4 59.2

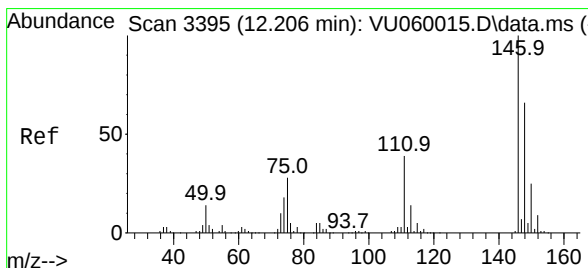
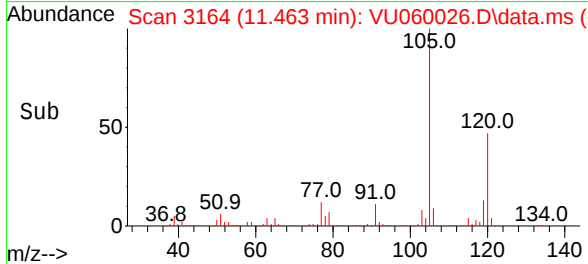
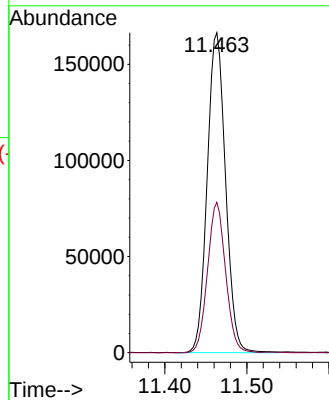
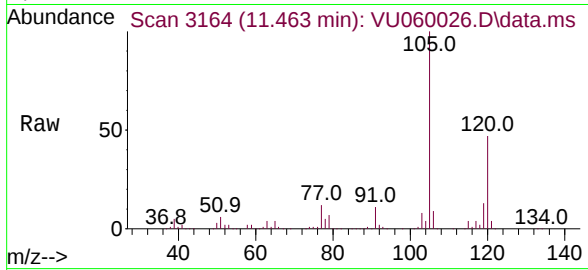




#63
 1,2,4-Trimethylbenzene
 Concen: 6.673 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. 0.000 min
 Lab File: VU060026.D
 Acq: 18 Jul 2024 18:47

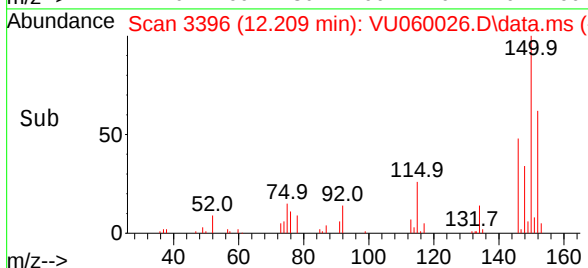
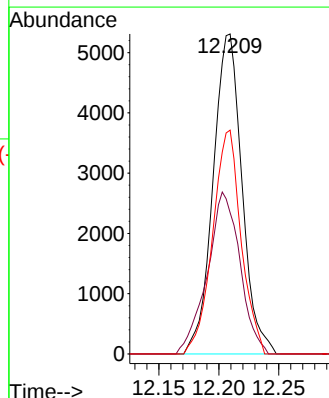
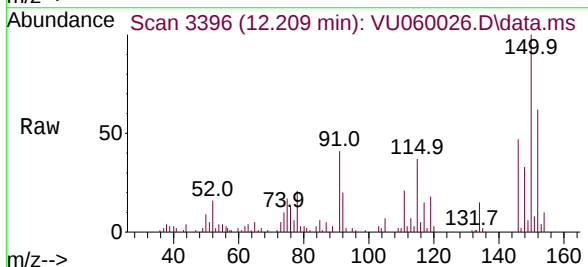
Instrument :
 MSVOA_U
 ClientSampleId :

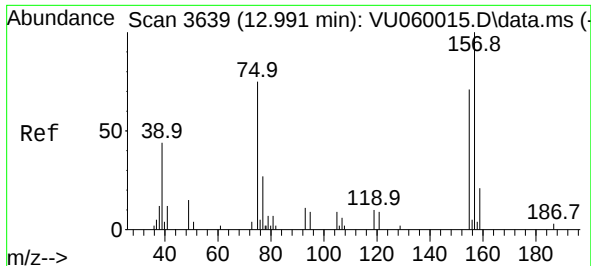
Tgt Ion:105 Resp: 258690
 Ion Ratio Lower Upper
 105 100
 120 46.2 36.7 55.1



#67
 1,2-Dichlorobenzene
 Concen: 0.329 ug/L
 RT: 12.209 min Scan# 3396
 Delta R.T. 0.003 min
 Lab File: VU060026.D
 Acq: 18 Jul 2024 18:47

Tgt Ion:146 Resp: 8893
 Ion Ratio Lower Upper
 146 100
 111 44.2 30.9 46.3
 148 69.9 49.8 74.8





#68

1,2-Dibromo-3-chloropropane

Concen: 0.108 ug/L

RT: 12.965 min Scan# 3631

Delta R.T. -0.026 min

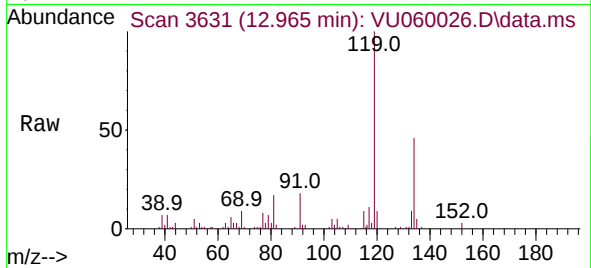
Lab File: VU060026.D

Acq: 18 Jul 2024 18:47

Instrument :

MSVOA_U

ClientSampleId :



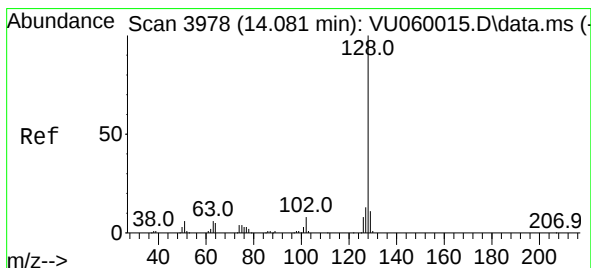
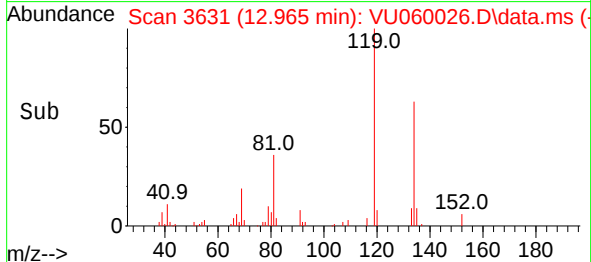
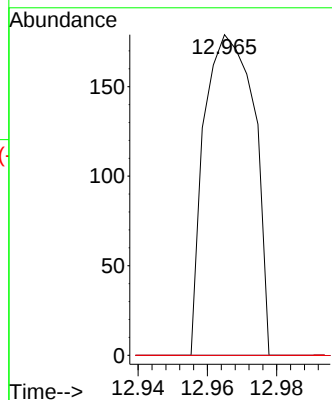
Tgt Ion: 75 Resp: 178

Ion Ratio Lower Upper

75 100

155 0.0 70.6 105.8#

157 0.0 99.4 149.2#



#71

Naphthalene

Concen: 4.466 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. -0.000 min

Lab File: VU060026.D

Acq: 18 Jul 2024 18:47

Tgt Ion: 128 Resp: 102684

Ion Ratio Lower Upper

128 100

129 12.0 8.2 12.4

127 13.8 10.6 16.0

