

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092022\
 Data File : VU050862.D
 Acq On : 21 Sep 2022 03:48
 Operator : JC/MD
 Sample : N4650-03 50X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 XYZ8

Quant Time: Sep 21 04:43:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 21 04:30:12 2022
 Response via : Initial Calibration

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

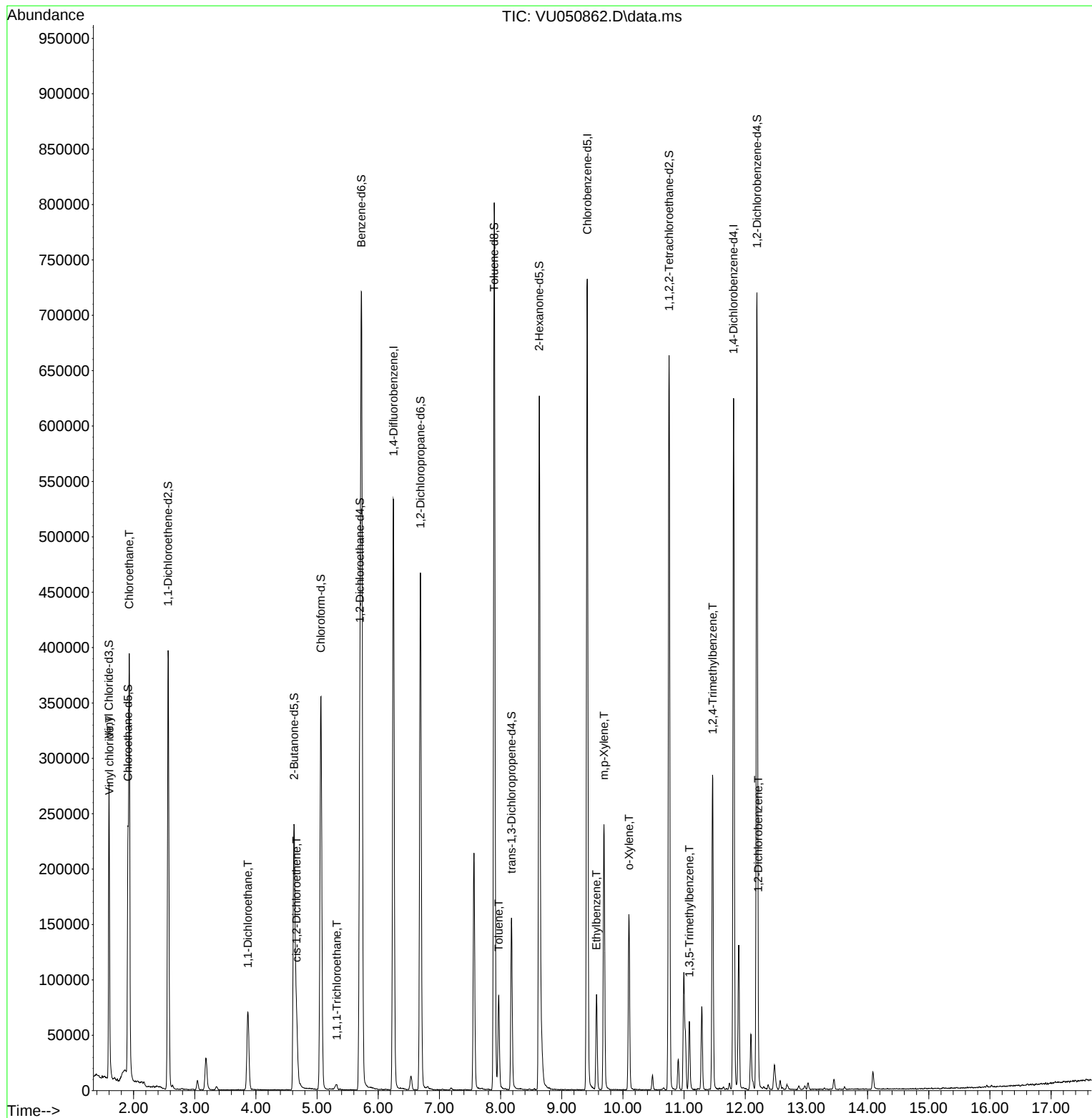
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	421557	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	406334	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	159763	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	191977	43.955	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.900%
7) Chloroethane-d5	1.909	69	157578	50.659	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.320%
11) 1,1-Dichloroethene-d2	2.565	63	234817	34.552	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.100%
21) 2-Butanone-d5	4.623	46	324473	115.073	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.070%
24) Chloroform-d	5.060	84	331306	48.404	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.800%
26) 1,2-Dichloroethane-d4	5.700	65	216221	51.259	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.520%
32) Benzene-d6	5.726	84	664060	49.617	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.240%
36) 1,2-Dichloropropane-d6	6.690	67	232029	51.361	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.720%
41) Toluene-d8	7.896	98	525173	44.890	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.780%
43) trans-1,3-Dichloroprop...	8.179	79	88885	45.227	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.460%
47) 2-Hexanone-d5	8.632	63	198740	106.751	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.750%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	339915	49.352	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.700%
66) 1,2-Dichlorobenzene-d4	12.192	152	182148	54.453	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.900%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	14071	2.832	ug/L	# 73
8) Chloroethane	1.928	64	241859	87.928	ug/L	100
19) 1,1-Dichloroethane	3.870	63	83200	12.396	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	20317	5.516	ug/L	99
30) 1,1,1-Trichloroethane	5.321	97	3526	0.652	ug/L	93
42) Toluene	7.970	91	59674	4.020	ug/L	98
52) Ethylbenzene	9.568	91	57856	3.907	ug/L	99
53) m,p-Xylene	9.690	106	67142	12.195	ug/L	98
54) o-Xylene	10.099	106	40237	7.335	ug/L	97
62) 1,3,5-Trimethylbenzene	11.086	105	33092	3.526	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	151133	16.260	ug/L	97
67) 1,2-Dichlorobenzene	12.211	146	4358	0.788	ug/L	91

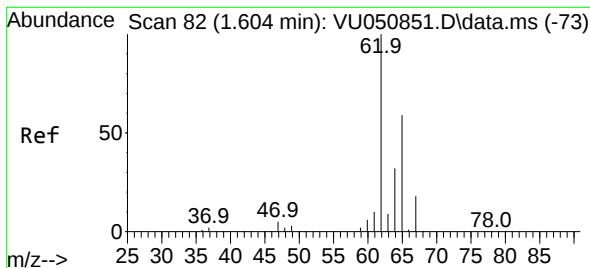
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 21 04:30:12 2022
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.832 ug/L

RT: 1.604 min Scan# 81

Delta R.T. -0.000 min

Lab File: VU050862.D

Acq: 21 Sep 2022 03:48

Instrument :

MSVOA_U

ClientSampleId :

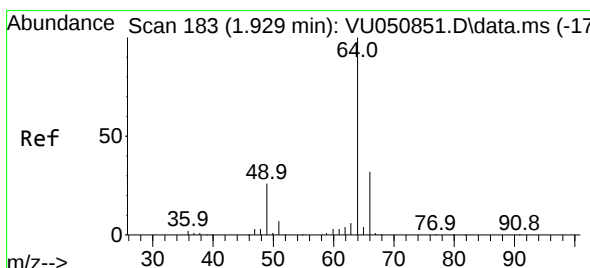
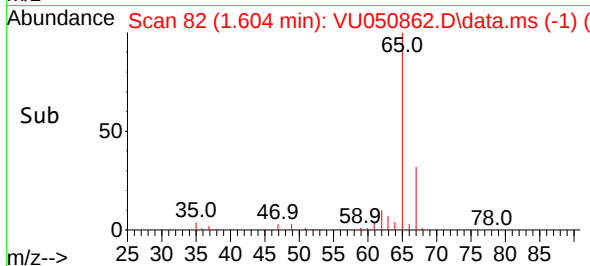
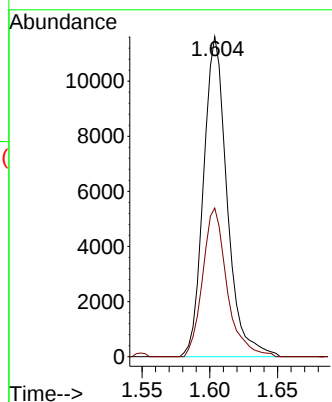
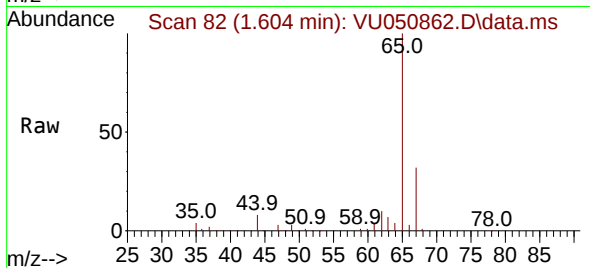
XYZ8

Tgt Ion: 62 Resp: 14071

Ion Ratio Lower Upper

62 100

64 46.5 22.2 41.2#



#8

Chloroethane

Concen: 87.928 ug/L

RT: 1.928 min Scan# 183

Delta R.T. -0.000 min

Lab File: VU050862.D

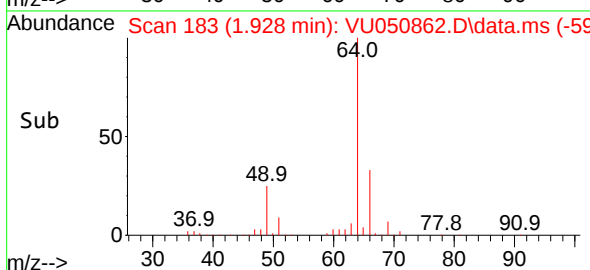
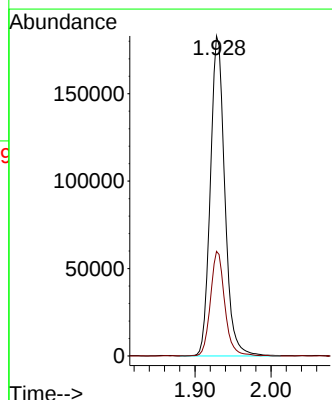
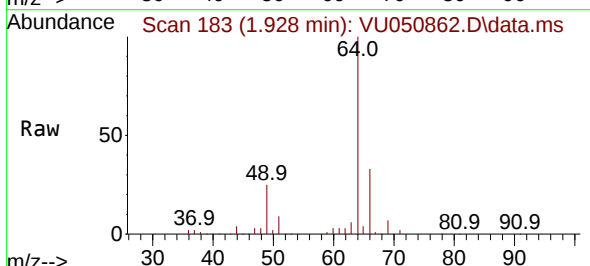
Acq: 21 Sep 2022 03:48

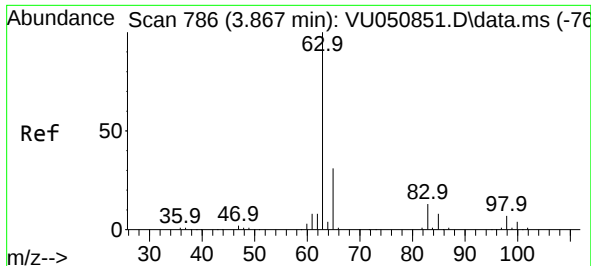
Tgt Ion: 64 Resp: 241859

Ion Ratio Lower Upper

64 100

66 32.7 22.9 42.5

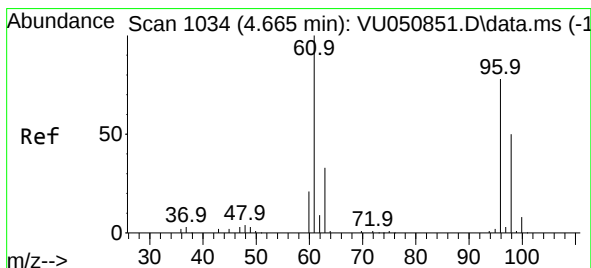
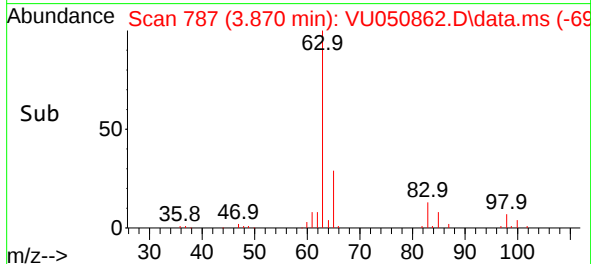
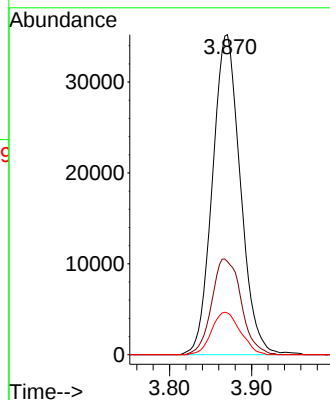
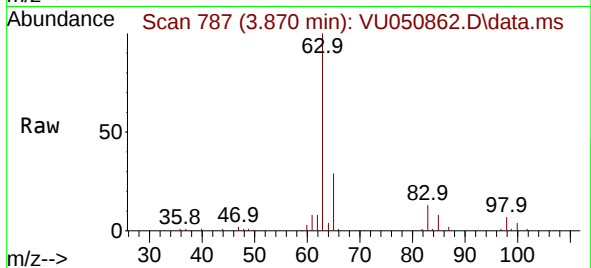




#19
1,1-Dichloroethane
Concen: 12.396 ug/L
RT: 3.870 min Scan# 786
Delta R.T. 0.003 min
Lab File: VU050862.D
Acq: 21 Sep 2022 03:48

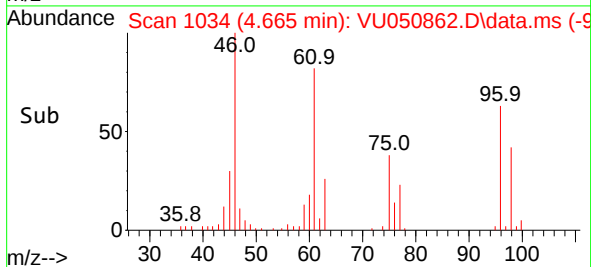
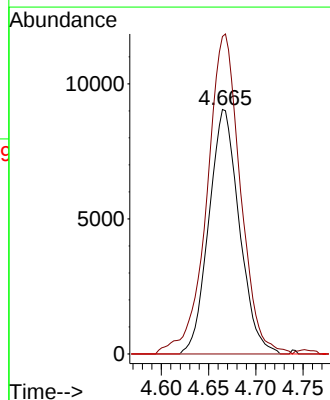
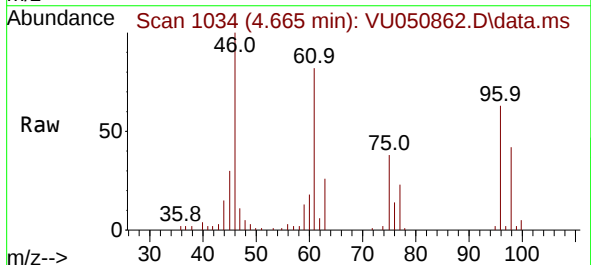
Instrument :
MSVOA_U
ClientSampleId :
XYZ8

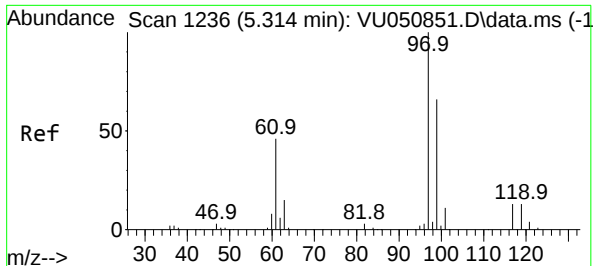
Tgt Ion: 63 Resp: 83200
Ion Ratio Lower Upper
63 100
65 29.1 21.5 39.9
83 13.1 9.3 17.3



#20
cis-1,2-Dichloroethene
Concen: 5.516 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. -0.000 min
Lab File: VU050862.D
Acq: 21 Sep 2022 03:48

Tgt Ion: 96 Resp: 20317
Ion Ratio Lower Upper
96 100
61 129.9 90.1 167.3
68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 0.652 ug/L

RT: 5.321 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU050862.D

Acq: 21 Sep 2022 03:48

Instrument :

MSVOA_U

ClientSampleId :

XYZ8

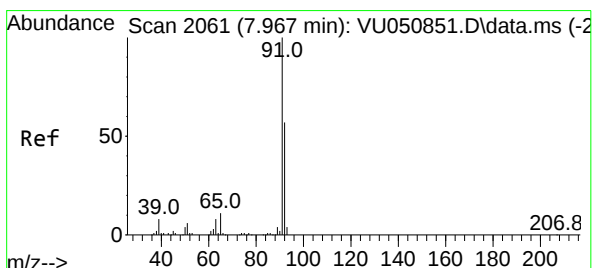
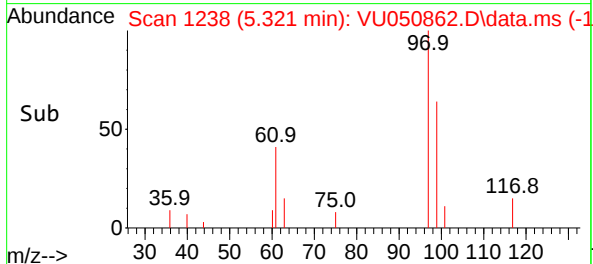
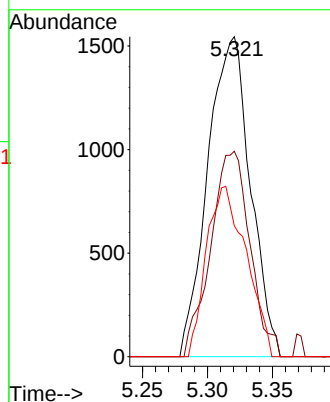
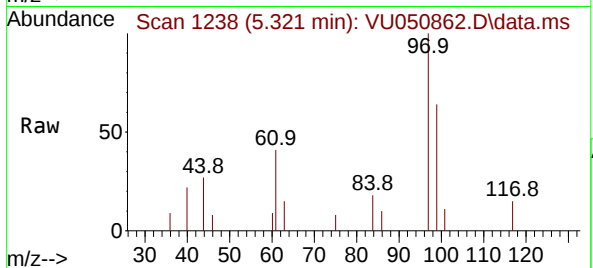
Tgt Ion: 97 Resp: 3526

Ion Ratio Lower Upper

97 100

99 58.7 52.2 78.2

61 49.7 37.1 55.7



#42

Toluene

Concen: 4.020 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.003 min

Lab File: VU050862.D

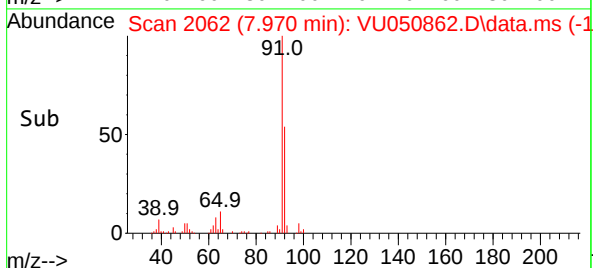
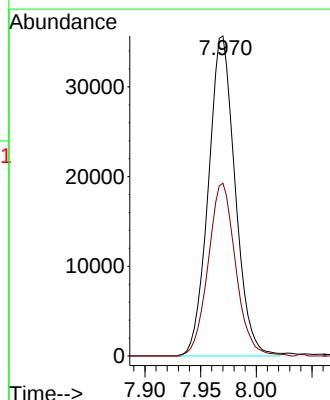
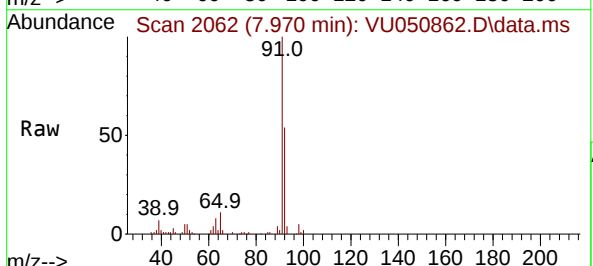
Acq: 21 Sep 2022 03:48

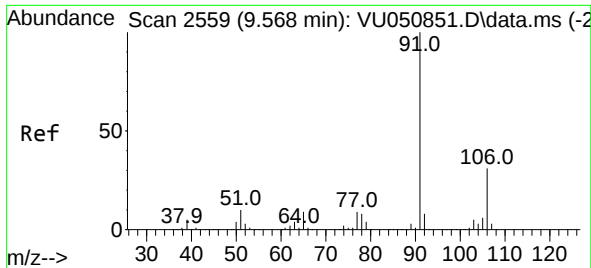
Tgt Ion: 91 Resp: 59674

Ion Ratio Lower Upper

91 100

92 54.0 39.1 72.5

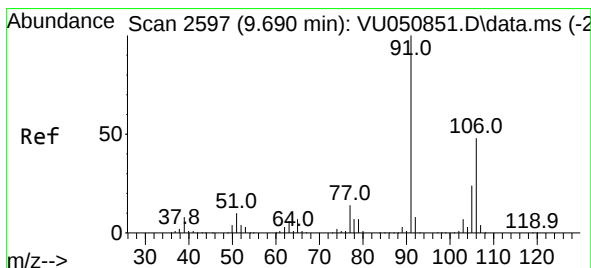
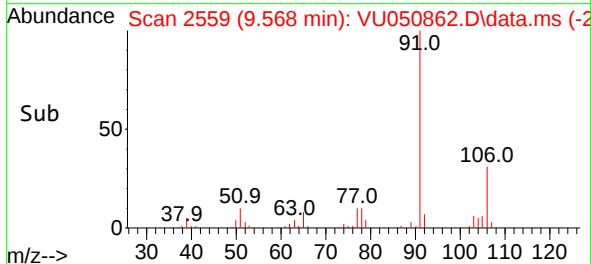
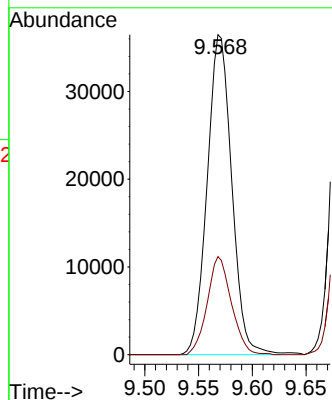
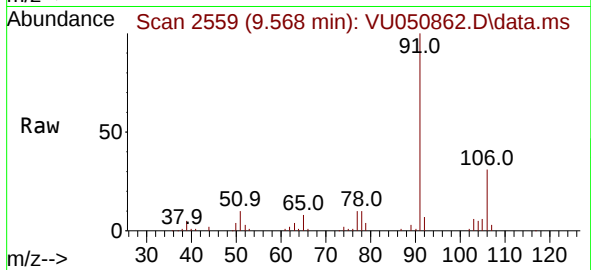




#52
Ethylbenzene
Concen: 3.907 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU050862.D
Acq: 21 Sep 2022 03:48

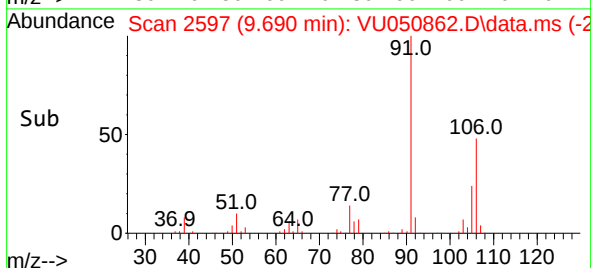
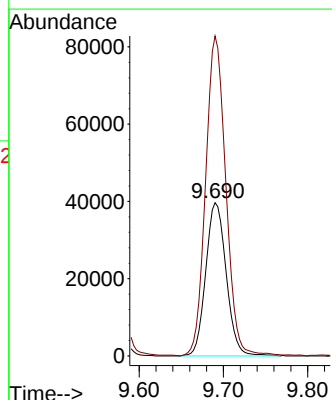
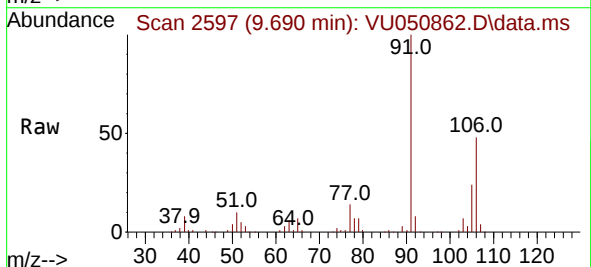
Instrument :
MSVOA_U
ClientSampleId :
XYZ8

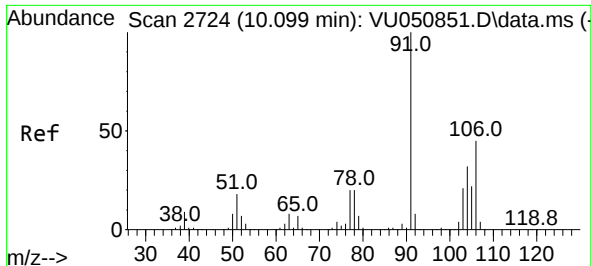
Tgt Ion: 91 Resp: 57856
Ion Ratio Lower Upper
91 100
106 30.7 21.0 39.0



#53
m,p-Xylene
Concen: 12.195 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU050862.D
Acq: 21 Sep 2022 03:48

Tgt Ion: 106 Resp: 67142
Ion Ratio Lower Upper
106 100
91 208.7 144.0 267.4

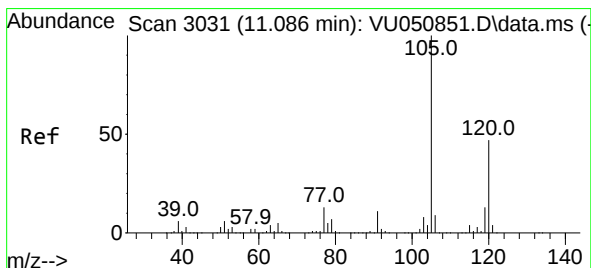
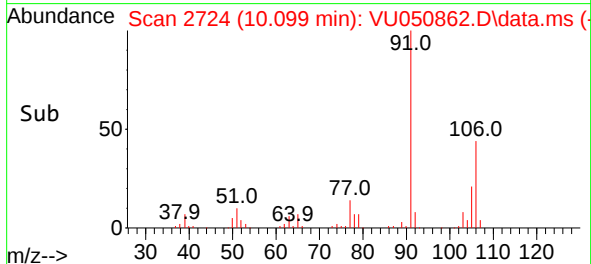
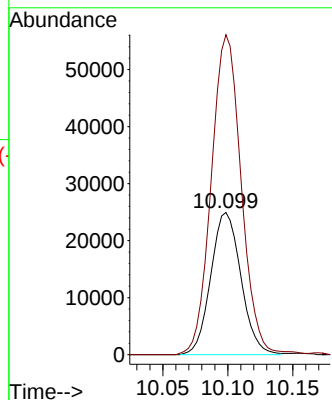
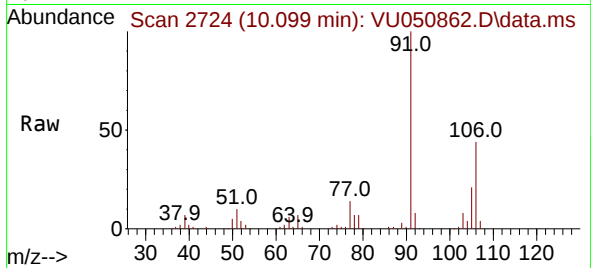




#54
o-Xylene
Concen: 7.335 ug/L
RT: 10.099 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU050862.D
Acq: 21 Sep 2022 03:48

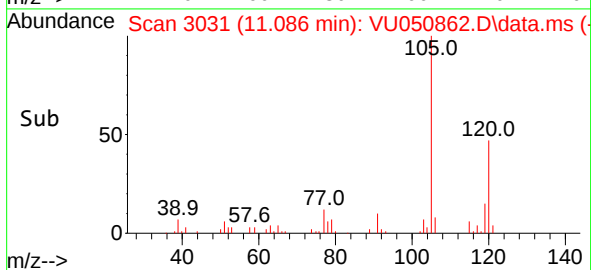
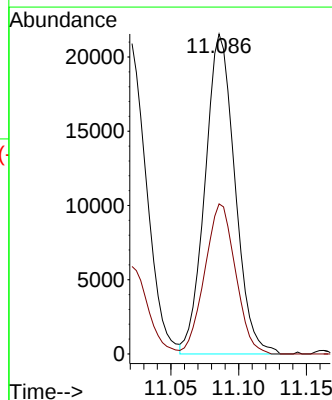
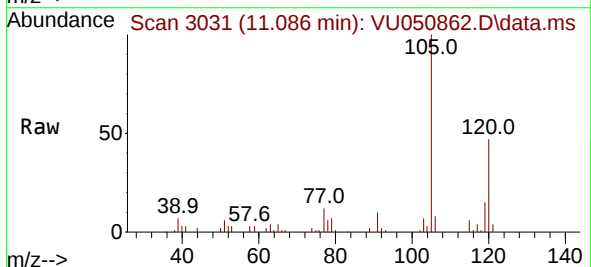
Instrument :
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ClientSampleId :
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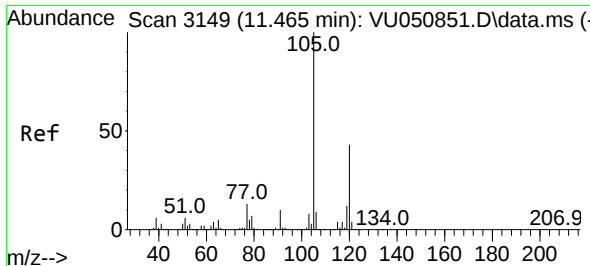
Tgt Ion:106 Resp: 40237
Ion Ratio Lower Upper
106 100
91 225.0 154.6 287.0



#62
1,3,5-Trimethylbenzene
Concen: 3.526 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. -0.000 min
Lab File: VU050862.D
Acq: 21 Sep 2022 03:48

Tgt Ion:105 Resp: 33092
Ion Ratio Lower Upper
105 100
120 48.2 37.9 56.9

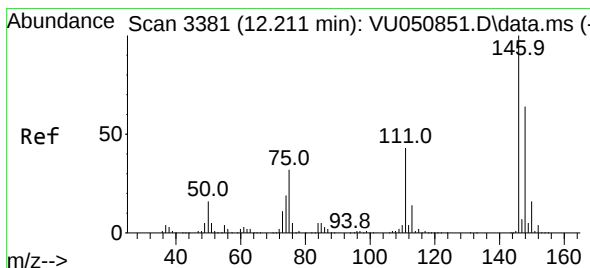
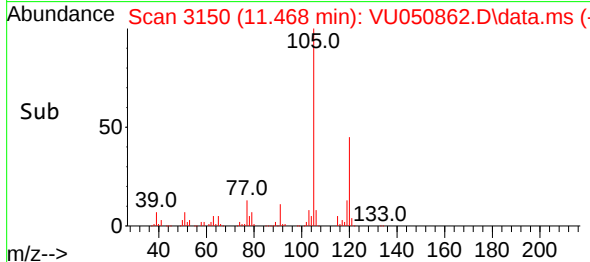
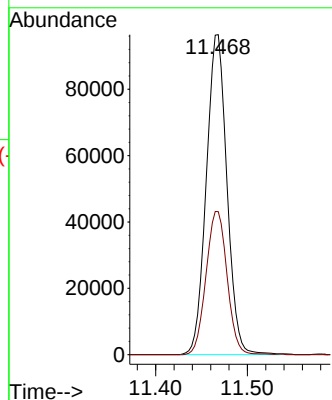
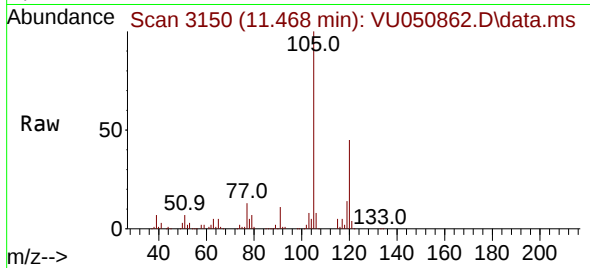




#63
1,2,4-Trimethylbenzene
Concen: 16.260 ug/L
RT: 11.468 min Scan# 3149
Delta R.T. 0.003 min
Lab File: VU050862.D
Acq: 21 Sep 2022 03:48

Instrument :
MSVOA_U
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Tgt Ion:105 Resp: 151133
Ion Ratio Lower Upper
105 100
120 45.7 34.9 52.3



#67
1,2-Dichlorobenzene
Concen: 0.788 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. -0.000 min
Lab File: VU050862.D
Acq: 21 Sep 2022 03:48

Tgt Ion:146 Resp: 4358
Ion Ratio Lower Upper
146 100
111 52.6 35.2 52.8
148 70.4 52.0 78.0

