

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110122\
 Data File : VU051670.D
 Acq On : 01 Nov 2022 22:46
 Operator : JC/MD
 Sample : N5319-04DL 25X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 02 04:06:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 02 03:06:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	192558	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	200045	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	94063	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	78708	5.427	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.600%
7) Chloroethane-d5	1.909	69	69430	4.590	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.800%
11) 1,1-Dichloroethene-d2	2.565	65	32076	6.094	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	121.800%
20) 2-Butanone-d5	4.620	46	178778	34.039	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	68.080%
24) Chloroform-d	5.063	84	145697	4.293	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.800%
26) 1,2-Dichloroethane-d4	5.700	65	75154	4.099	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.000%
32) Benzene-d6	5.726	84	298234	4.724	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
36) 1,2-Dichloropropane-d6	6.687	67	96926	4.391	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.800%
41) Toluene-d8	7.896	98	238079	4.796	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.000%
43) trans-1,3-Dichloroprop...	8.179	79	31441	4.658	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.200%
46) 2-Hexanone-d5	8.632	63	147381	36.273	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	72.540%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	82246	4.066	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.400%
66) 1,2-Dichlorobenzene-d4	12.192	152	91627	5.307	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.200%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.601	62	16331	0.642	ug/L #	1
8) Chloroethane	1.932	64	57913	3.751	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	1066	0.065	ug/L #	19
19) 1,1-Dichloroethane	3.867	63	30185	0.911	ug/L	97
22) cis-1,2-Dichloroethene	4.665	96	32117	1.616	ug/L	97
29) 1,1,1-Trichloroethane	5.317	97	4658	0.171	ug/L #	81
33) Benzene	5.774	78	207619	2.630	ug/L	100
35) Methylcyclohexane	6.758	83	3294	0.125	ug/L	90
37) 1,2-Dichloropropane	6.687	63	10036	0.494	ug/L #	97
42) Toluene	7.967	91	644933	7.955	ug/L	99
51) Chlorobenzene	9.446	112	189873	3.721	ug/L	99
52) Ethylbenzene	9.568	91	124594	1.593	ug/L	99
53) m,p-Xylene	9.690	106	192314	6.329	ug/L	99
54) o-Xylene	10.099	106	41120	1.385	ug/L	97
55) Styrene	10.099	104	3212	0.065	ug/L #	1
60) Isopropylbenzene	10.484	105	22022	0.321	ug/L	98
62) 1,3,5-Trimethylbenzene	11.089	105	5529	0.299	ug/L	88
63) 1,2,4-Trimethylbenzene	11.465	105	23104	0.433	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	5472	0.160	ug/L	92

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Nov 02 03:06:15 2022
Response via : Initial Calibration

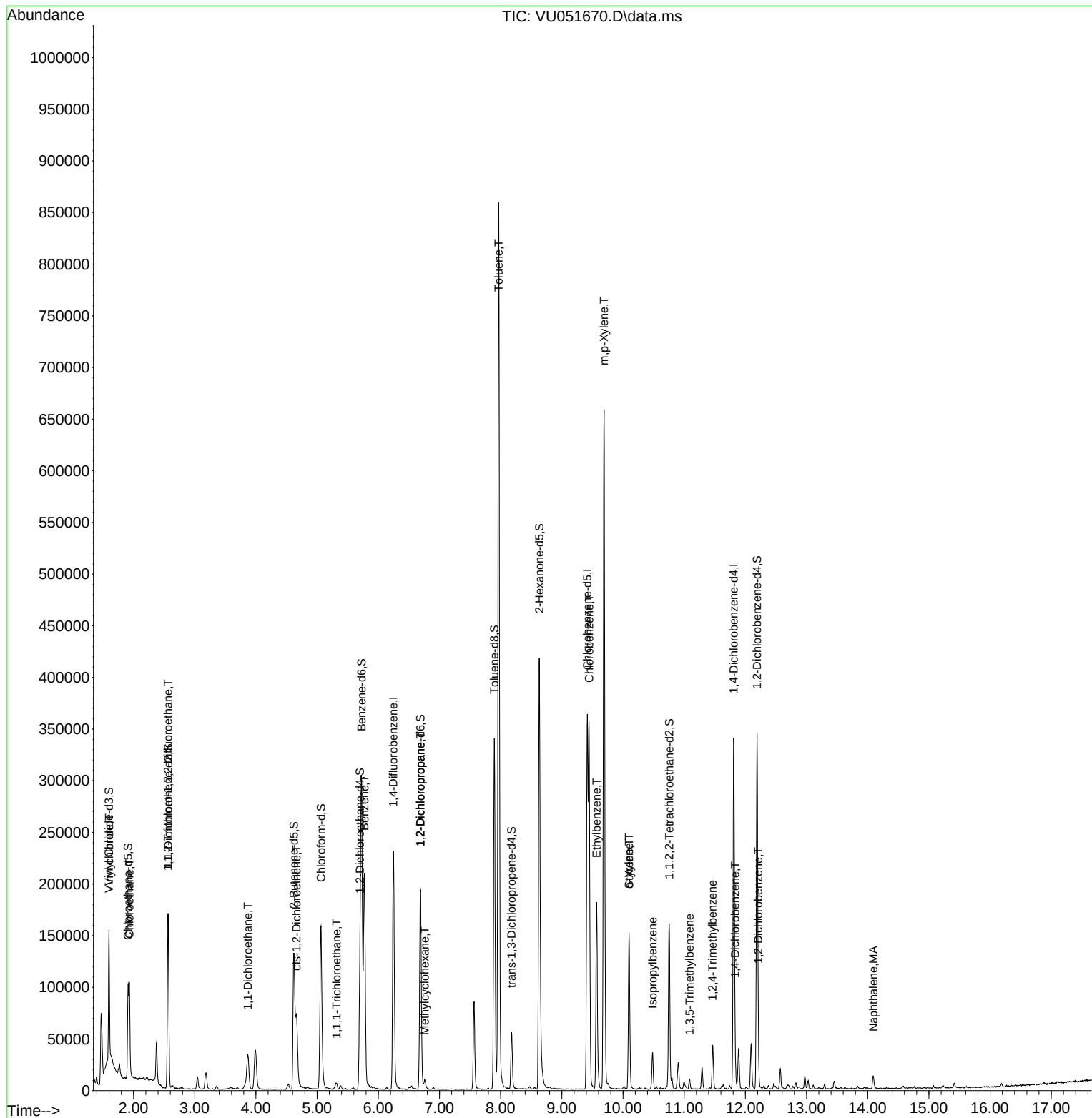
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	12.211	146	4354	0.131	ug/L	96
71) Naphthalene	14.092	128	12612	0.361	ug/L	99

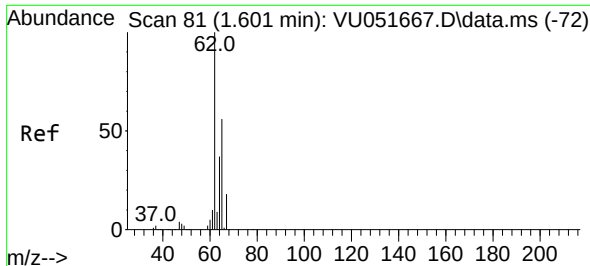
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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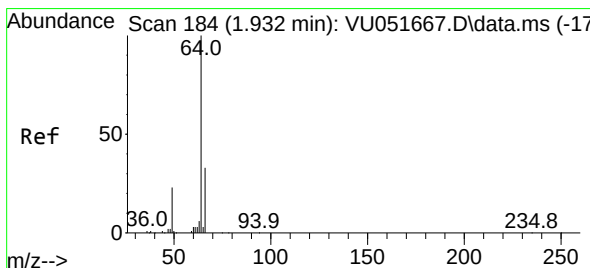
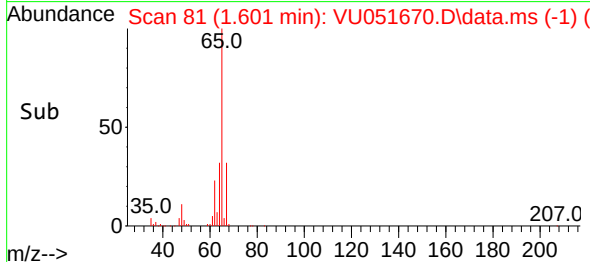
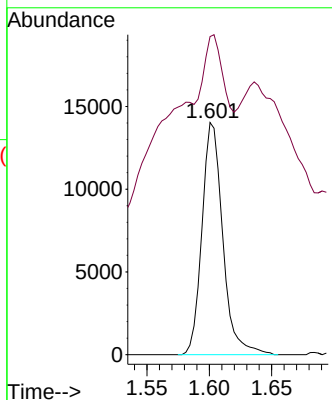
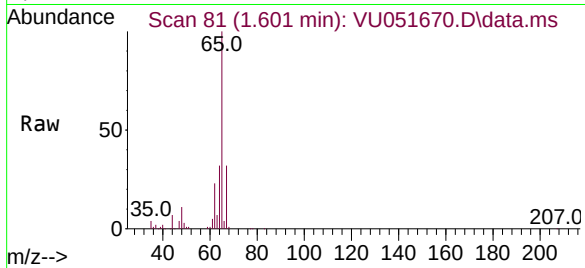




#5
 Vinyl chloride
 Concen: 0.642 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU051670.D
 Acq: 01 Nov 2022 22:46

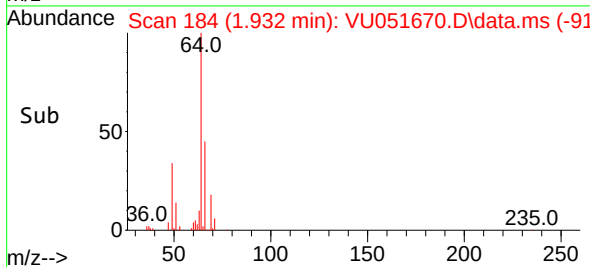
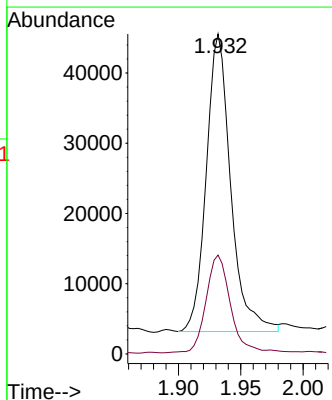
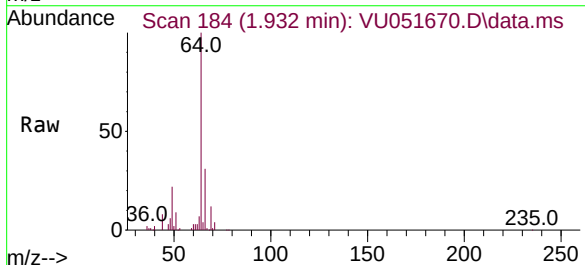
Instrument :
 MSVOA_U
 ClientSampleId :

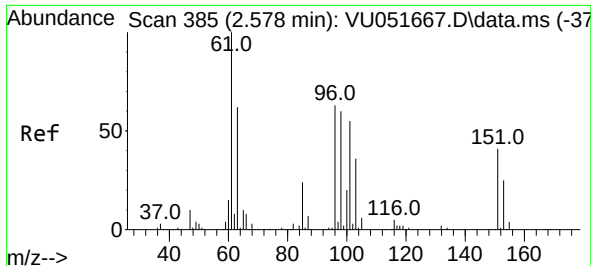
Tgt Ion: 62 Resp: 16331
 Ion Ratio Lower Upper
 62 100
 64 137.0 22.1 41.1#



#8
 Chloroethane
 Concen: 3.751 ug/L
 RT: 1.932 min Scan# 184
 Delta R.T. -0.000 min
 Lab File: VU051670.D
 Acq: 01 Nov 2022 22:46

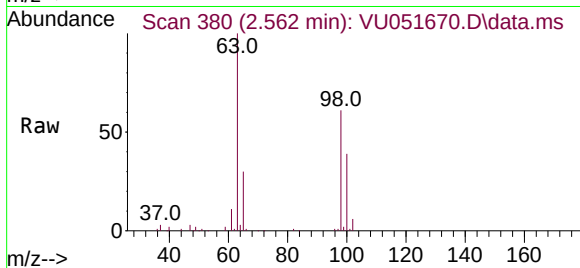
Tgt Ion: 64 Resp: 57913
 Ion Ratio Lower Upper
 64 100
 66 30.9 22.3 41.5



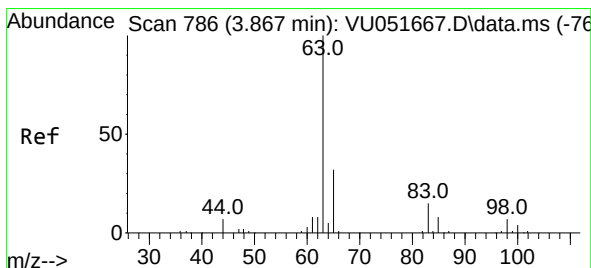
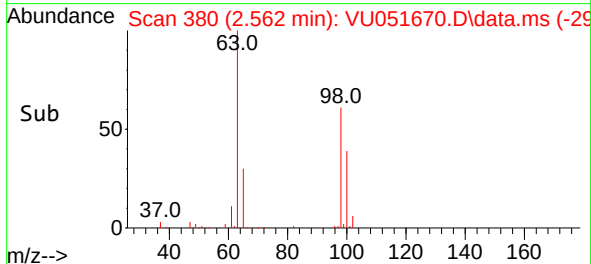
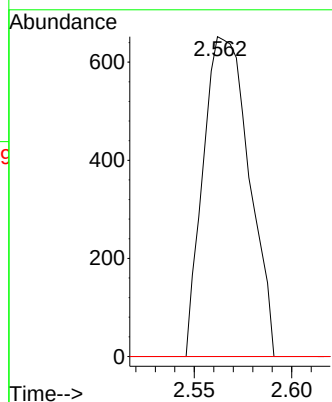


#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.065 ug/L
 RT: 2.562 min Scan# 31
 Delta R.T. -0.016 min
 Lab File: VU051670.D
 Acq: 01 Nov 2022 22:46

Instrument :
 MSVOA_U
 ClientSampleId :

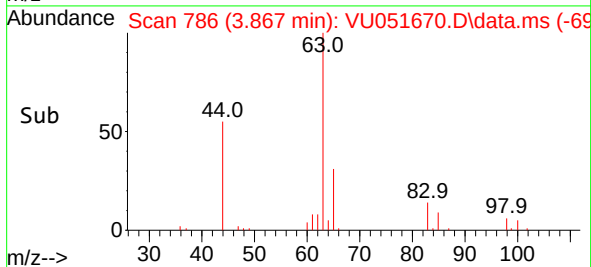
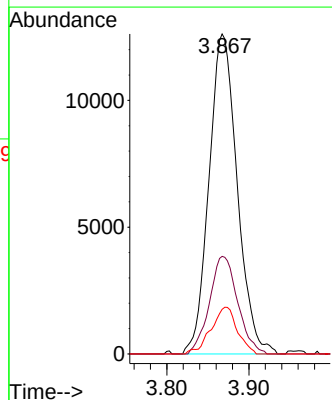
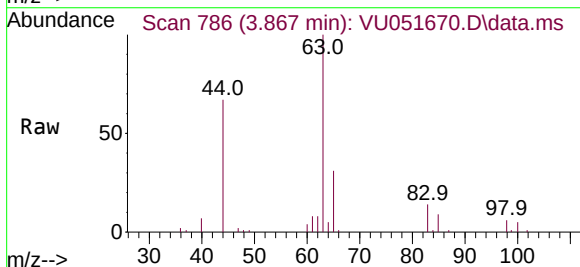


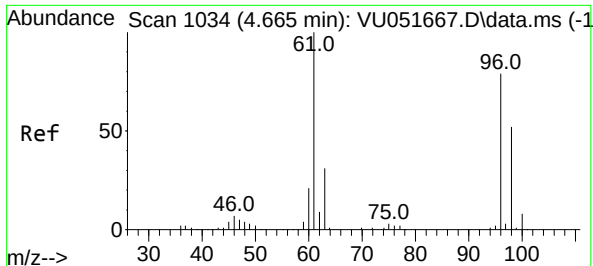
Tgt Ion:101 Resp: 1066
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.6 53.4#
 151 0.0 59.6 89.4#



#19
 1,1-Dichloroethane
 Concen: 0.911 ug/L
 RT: 3.867 min Scan# 786
 Delta R.T. -0.000 min
 Lab File: VU051670.D
 Acq: 01 Nov 2022 22:46

Tgt Ion: 63 Resp: 30185
 Ion Ratio Lower Upper
 63 100
 65 30.5 22.7 42.1
 83 13.9 9.2 17.0





#22

cis-1,2-Dichloroethene

Concen: 1.616 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.000 min

Lab File: VU051670.D

Acq: 01 Nov 2022 22:46

Instrument :

MSVOA_U

ClientSampleId :

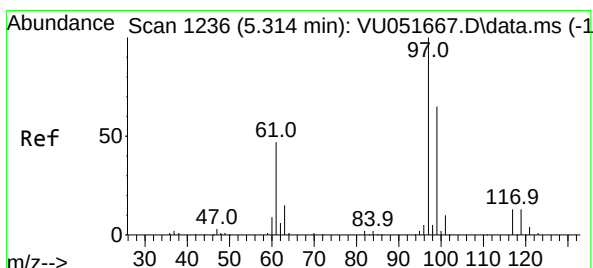
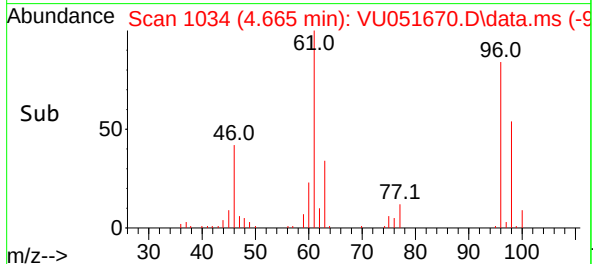
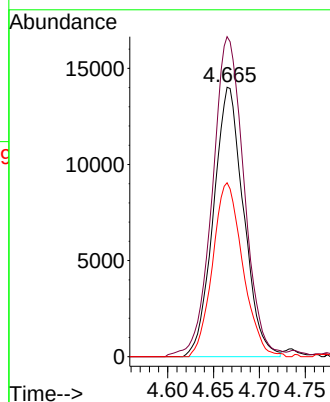
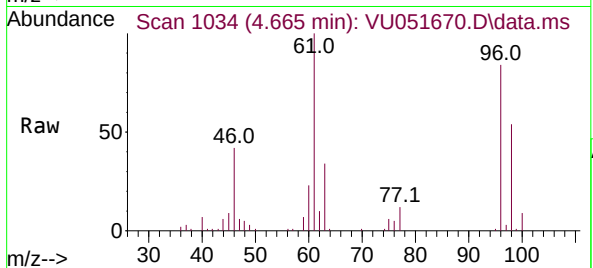
Tgt Ion: 96 Resp: 32117

Ion Ratio Lower Upper

96 100

61 118.8 86.4 160.4

98 64.6 44.2 82.2



#29

1,1,1-Trichloroethane

Concen: 0.171 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. 0.003 min

Lab File: VU051670.D

Acq: 01 Nov 2022 22:46

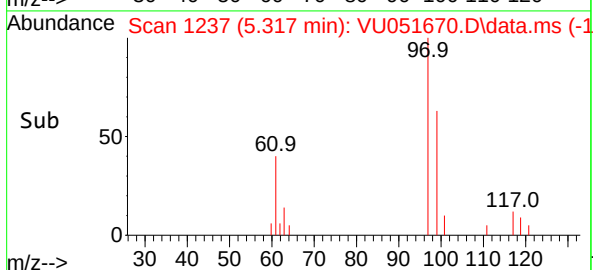
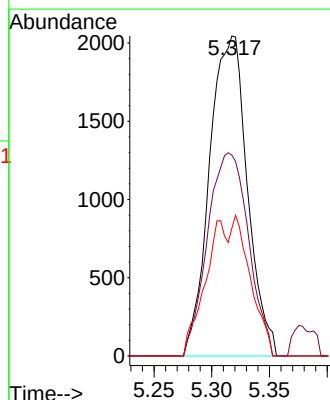
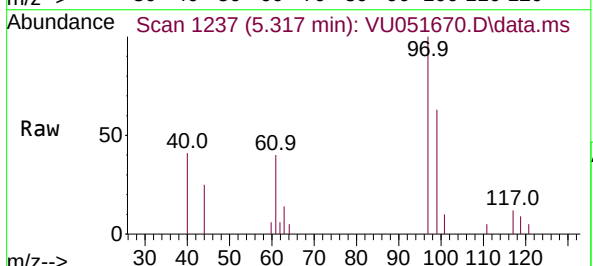
Tgt Ion: 97 Resp: 4658

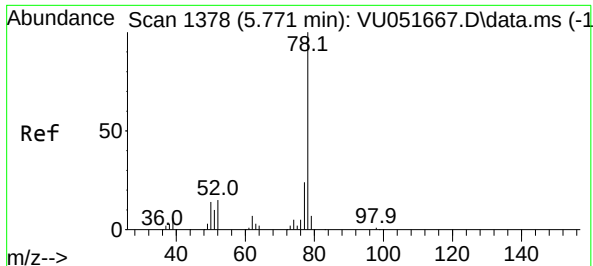
Ion Ratio Lower Upper

97 100

99 68.9 51.1 76.7

61 23.1 37.4 56.0#

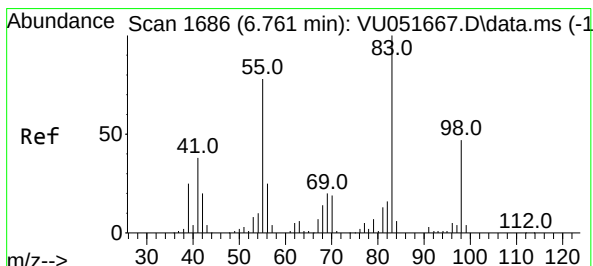
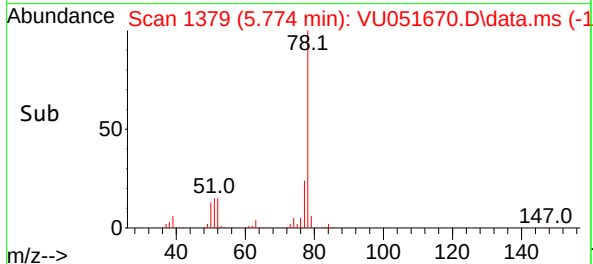
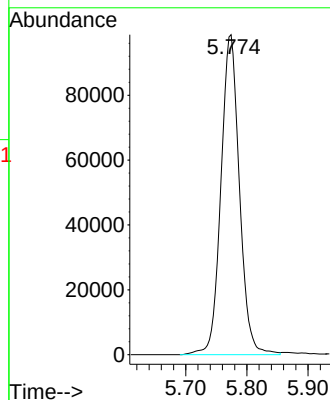
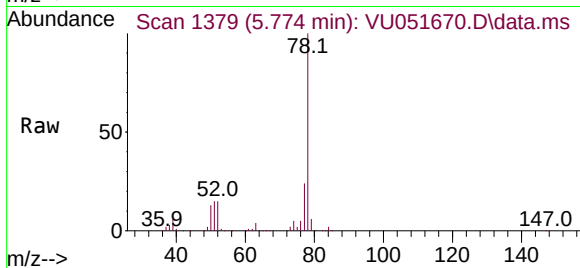




#33
Benzene
Concen: 2.630 ug/L
RT: 5.774 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU051670.D
Acq: 01 Nov 2022 22:46

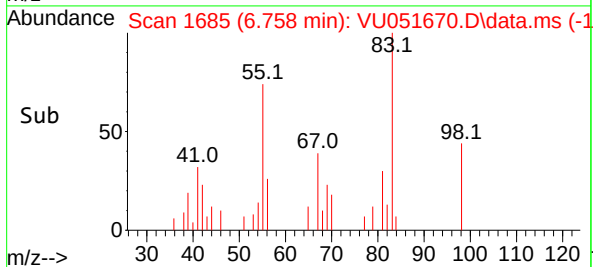
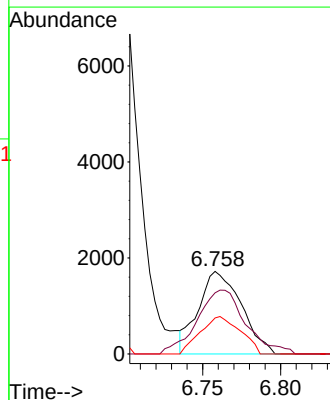
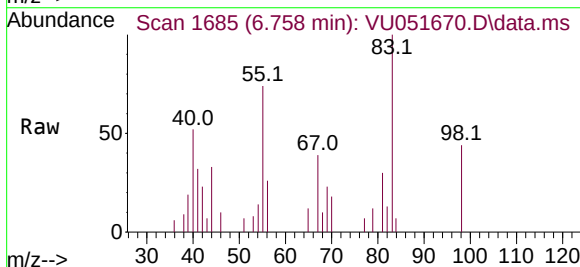
Instrument :
MSVOA_U
ClientSampleId :

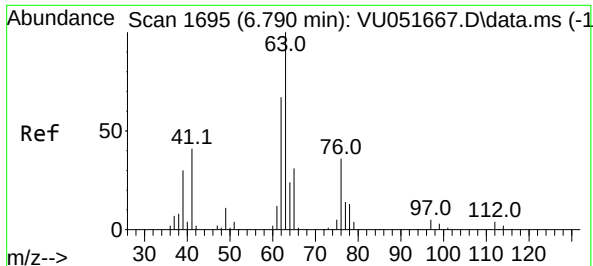
Tgt Ion: 78 Resp: 207619



#35
Methylcyclohexane
Concen: 0.125 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU051670.D
Acq: 01 Nov 2022 22:46

Tgt Ion: 83 Resp: 3294
Ion Ratio Lower Upper
83 100
55 87.4 60.6 90.8
98 42.3 35.8 53.6





#37

1,2-Dichloropropane

Concen: 0.494 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU051670.D

Acq: 01 Nov 2022 22:46

Instrument :

MSVOA_U

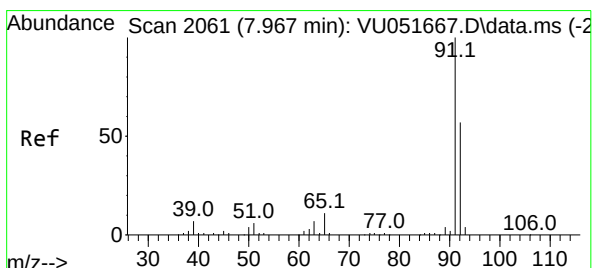
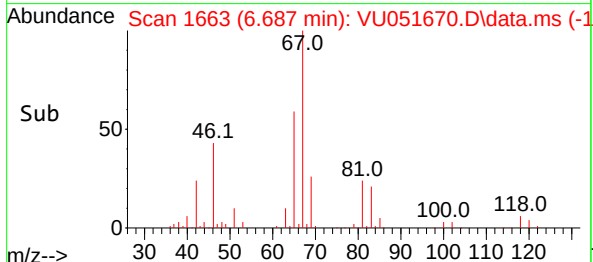
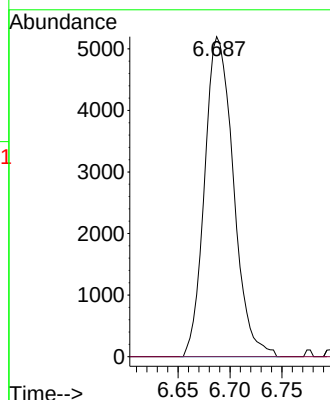
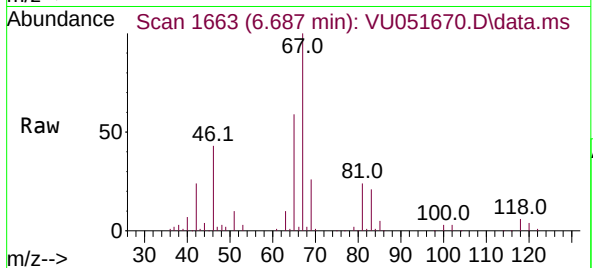
ClientSampleId :

Tgt Ion: 63 Resp: 10036

Ion Ratio Lower Upper

63 100

112 3.1 3.3 4.9#



#42

Toluene

Concen: 7.955 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU051670.D

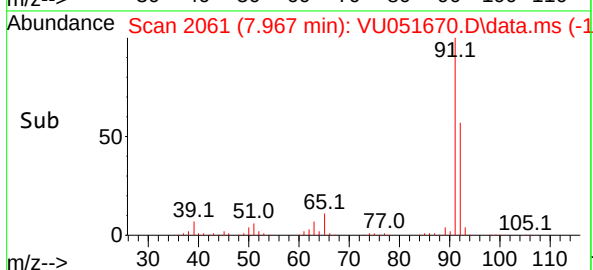
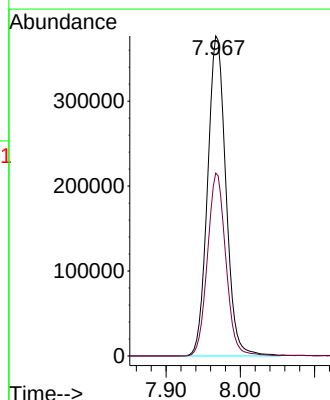
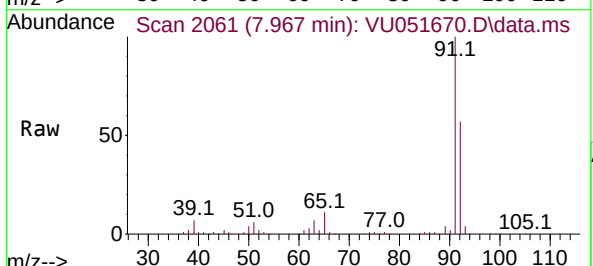
Acq: 01 Nov 2022 22:46

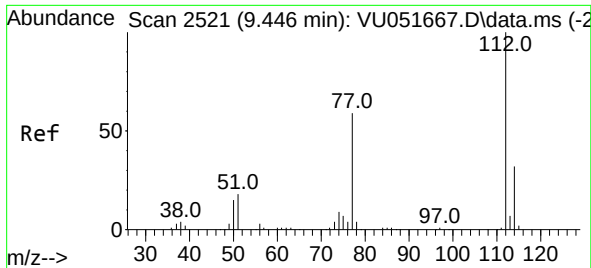
Tgt Ion: 91 Resp: 644933

Ion Ratio Lower Upper

91 100

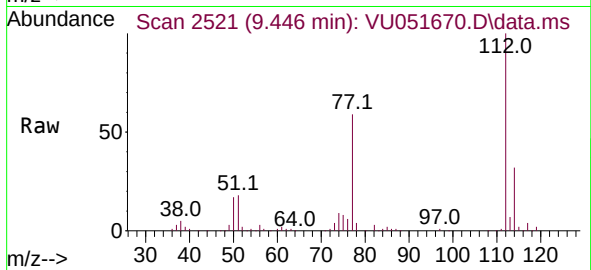
92 57.1 40.5 75.3



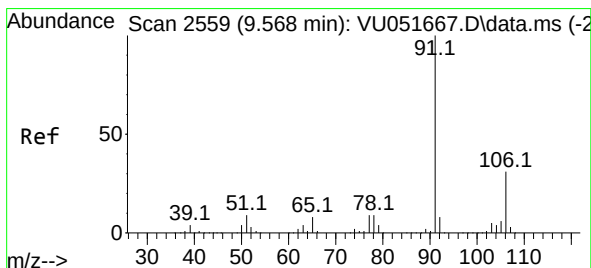
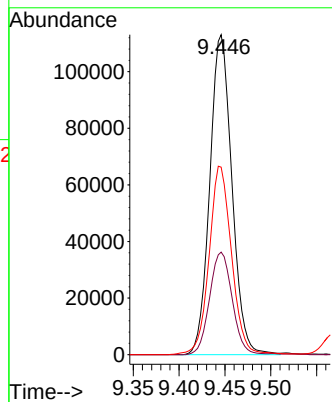
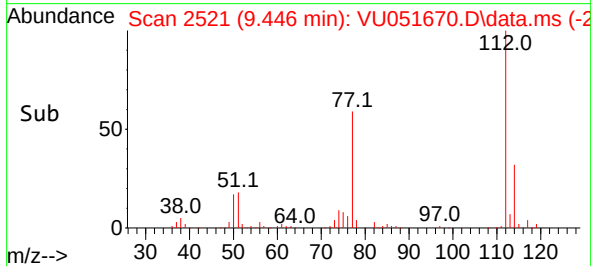


#51
Chlorobenzene
Concen: 3.721 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.000 min
Lab File: VU051670.D
Acq: 01 Nov 2022 22:46

Instrument :
MSVOA_U
ClientSampleId :

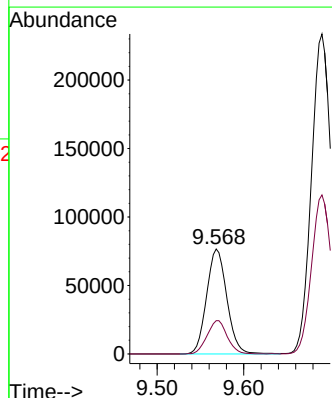
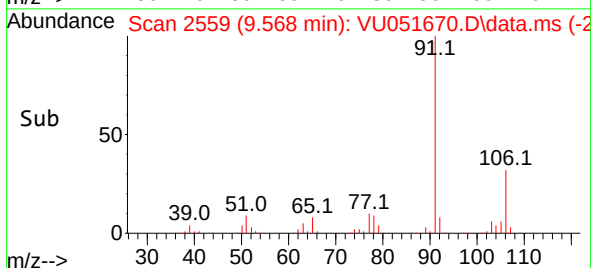
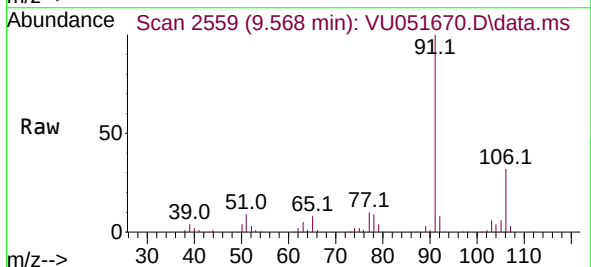


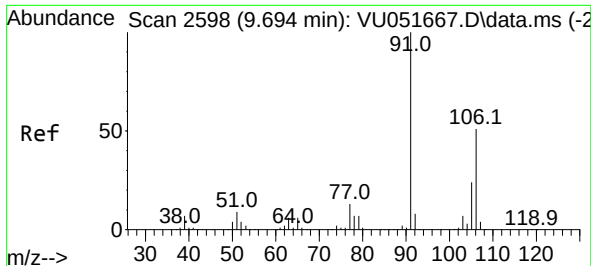
Tgt Ion:112 Resp: 189873
Ion Ratio Lower Upper
112 100
114 32.1 22.0 40.8
77 58.6 46.7 70.1



#52
Ethylbenzene
Concen: 1.593 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU051670.D
Acq: 01 Nov 2022 22:46

Tgt Ion: 91 Resp: 124594
Ion Ratio Lower Upper
91 100
106 31.7 21.8 40.6

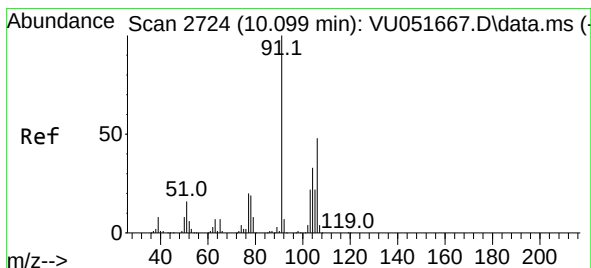
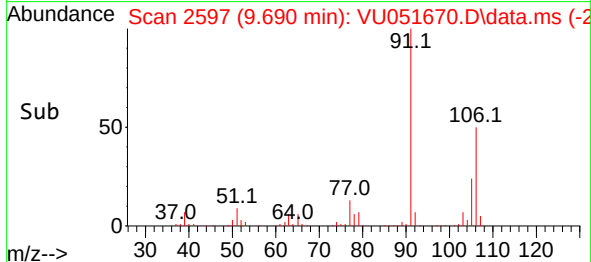
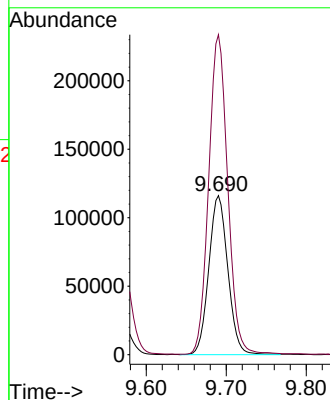
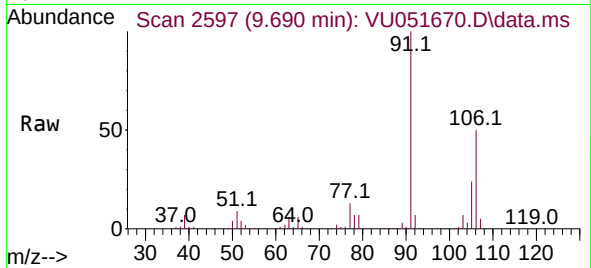




#53
m,p-Xylene
Concen: 6.329 ug/L
RT: 9.690 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU051670.D
Acq: 01 Nov 2022 22:46

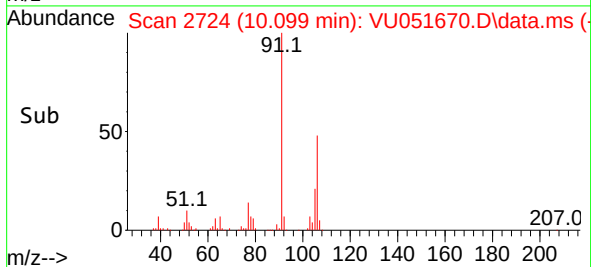
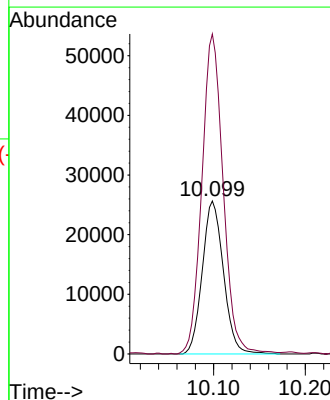
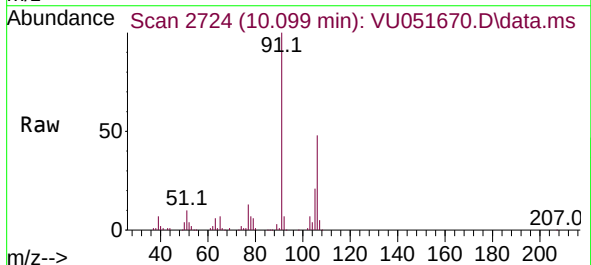
Instrument :
MSVOA_U
ClientSampleId :

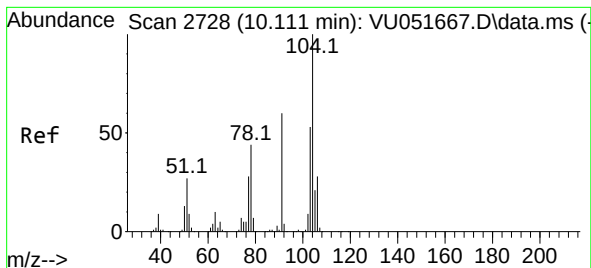
Tgt Ion:106 Resp: 192314
Ion Ratio Lower Upper
106 100
91 201.3 139.4 259.0



#54
o-Xylene
Concen: 1.385 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. -0.000 min
Lab File: VU051670.D
Acq: 01 Nov 2022 22:46

Tgt Ion:106 Resp: 41120
Ion Ratio Lower Upper
106 100
91 209.2 149.2 277.2





#55

Styrene

Concen: 0.065 ug/L

RT: 10.099 min Scan# 21

Delta R.T. -0.013 min

Lab File: VU051670.D

Acq: 01 Nov 2022 22:46

Instrument :

MSVOA_U

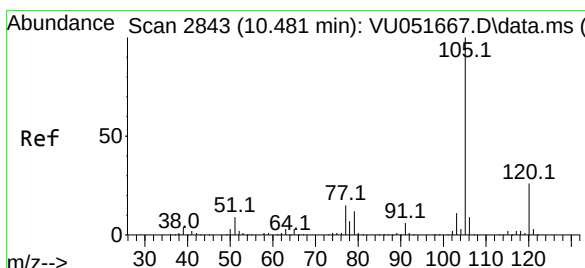
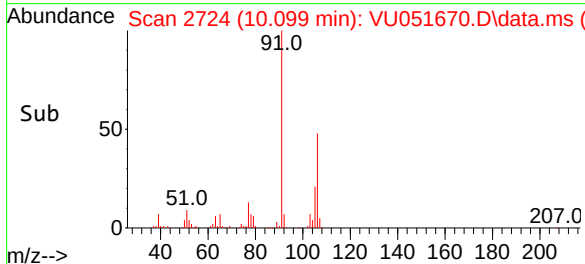
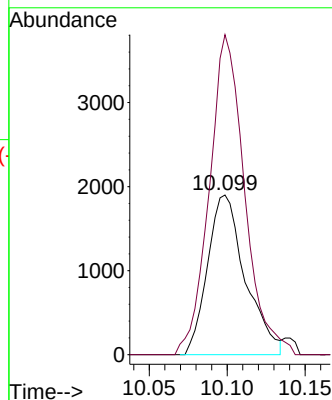
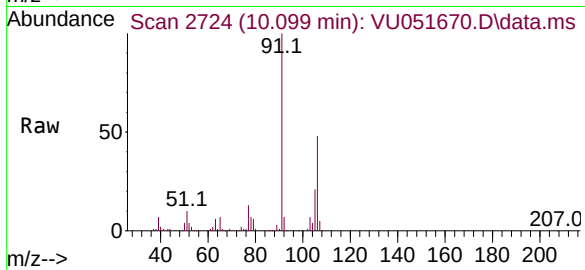
ClientSampleId :

Tgt Ion:104 Resp: 3212

Ion Ratio Lower Upper

104 100

78 200.3 31.8 59.0#



#60

Isopropylbenzene

Concen: 0.321 ug/L

RT: 10.484 min Scan# 2844

Delta R.T. 0.003 min

Lab File: VU051670.D

Acq: 01 Nov 2022 22:46

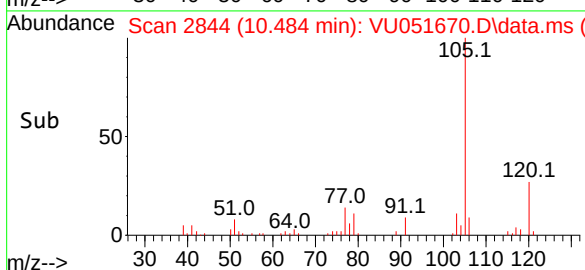
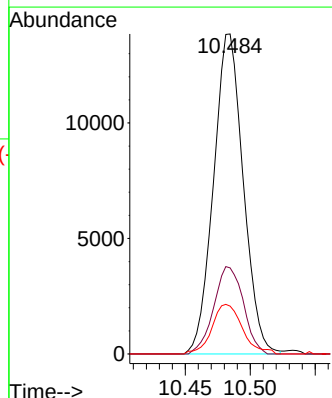
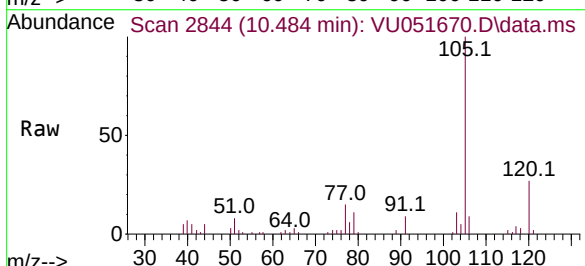
Tgt Ion:105 Resp: 22022

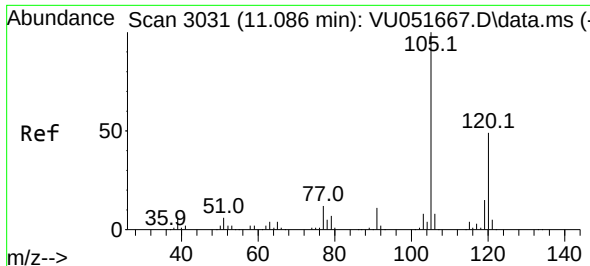
Ion Ratio Lower Upper

105 100

120 27.1 20.9 31.3

77 15.9 12.3 18.5





#62

1,3,5-Trimethylbenzene

Concen: 0.299 ug/L

RT: 11.089 min Scan# 3031

Delta R.T. 0.003 min

Lab File: VU051670.D

Acq: 01 Nov 2022 22:46

Instrument :

MSVOA_U

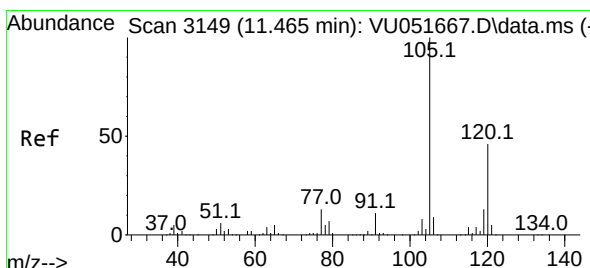
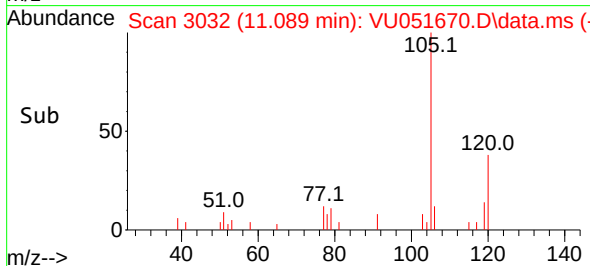
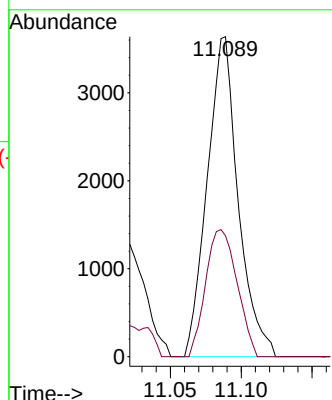
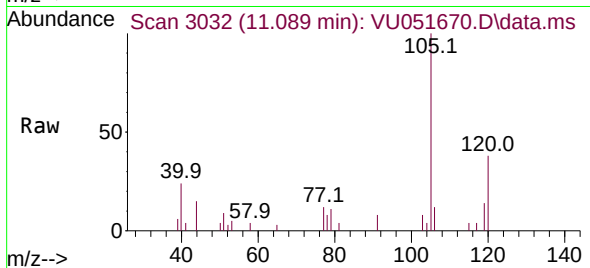
ClientSampleId :

Tgt Ion:105 Resp: 5529

Ion Ratio Lower Upper

105 100

120 40.2 38.6 57.8



#63

1,2,4-Trimethylbenzene

Concen: 0.433 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. -0.000 min

Lab File: VU051670.D

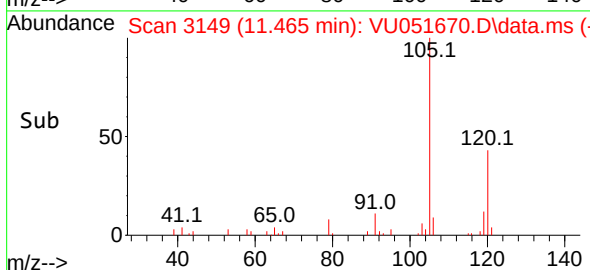
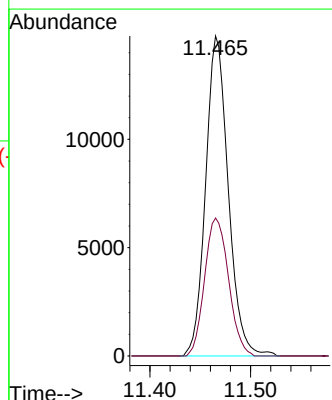
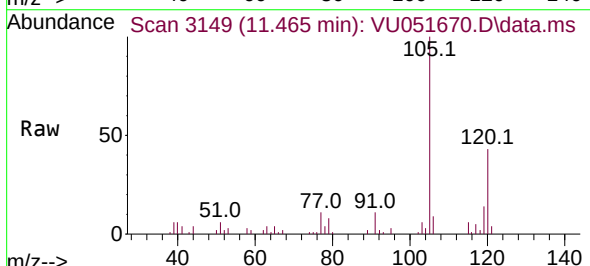
Acq: 01 Nov 2022 22:46

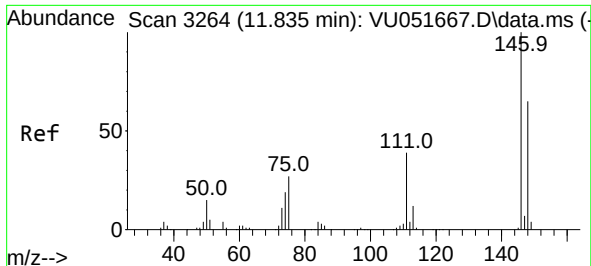
Tgt Ion:105 Resp: 23104

Ion Ratio Lower Upper

105 100

120 45.6 35.8 53.6

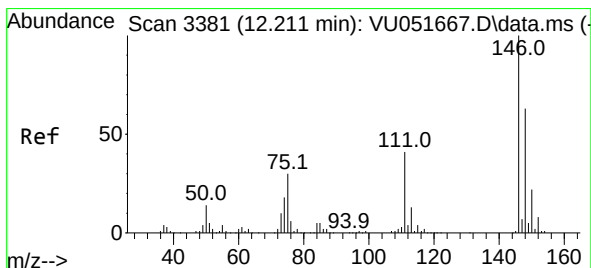
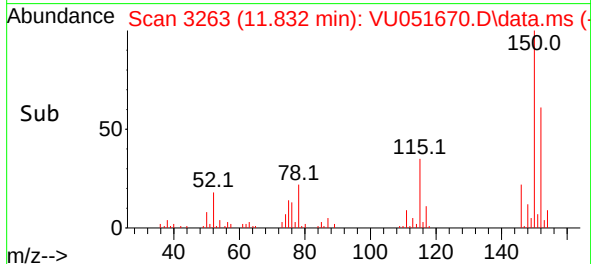
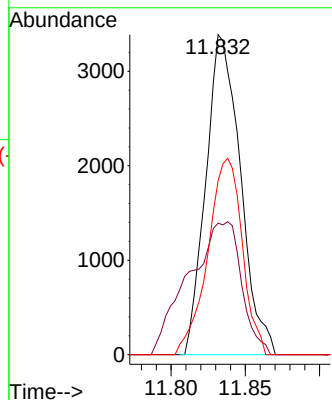
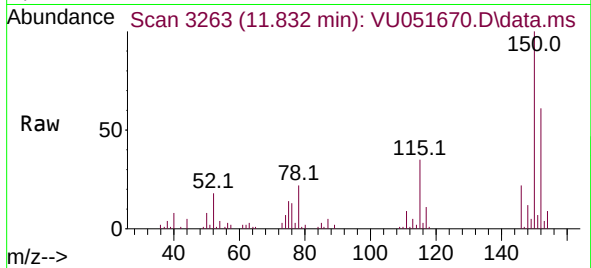




#65
1,4-Dichlorobenzene
Concen: 0.160 ug/L
RT: 11.832 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU051670.D
Acq: 01 Nov 2022 22:46

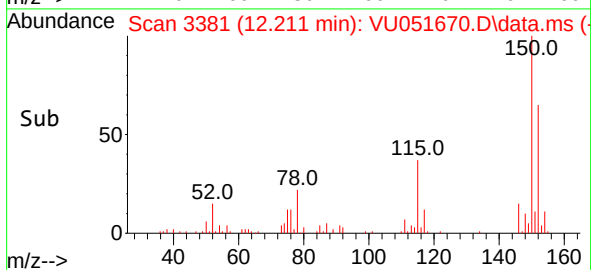
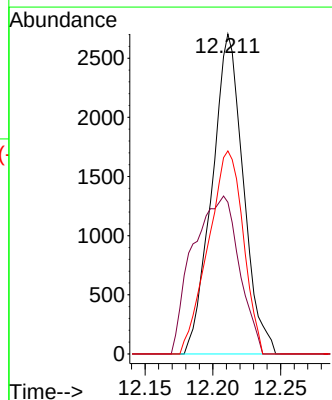
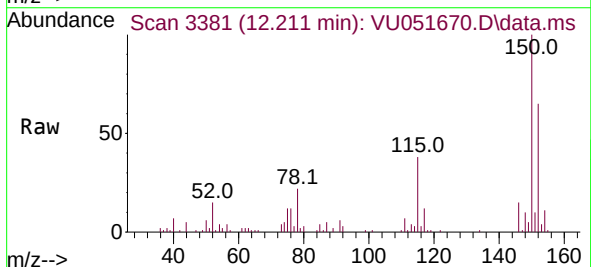
Instrument :
MSVOA_U
ClientSampleId :

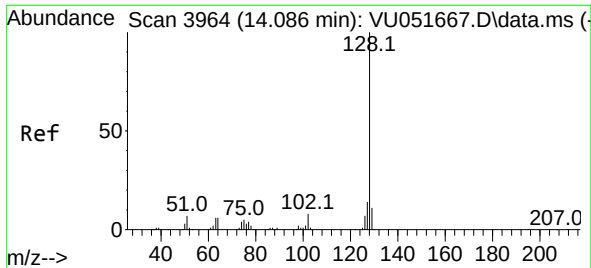
Tgt Ion:146 Resp: 5472
Ion Ratio Lower Upper
146 100
111 41.1 26.7 49.5
148 54.3 43.5 80.9



#67
1,2-Dichlorobenzene
Concen: 0.131 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. -0.000 min
Lab File: VU051670.D
Acq: 01 Nov 2022 22:46

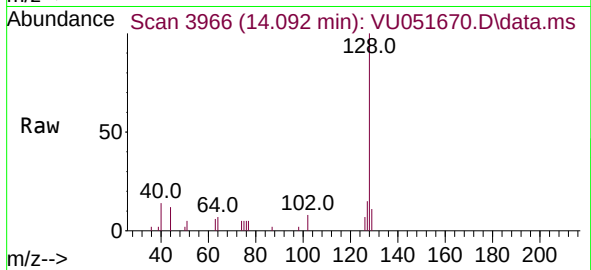
Tgt Ion:146 Resp: 4354
Ion Ratio Lower Upper
146 100
111 47.4 34.2 51.2
148 63.5 50.1 75.1





#71
Naphthalene
Concen: 0.361 ug/L
RT: 14.092 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VU051670.D
Acq: 01 Nov 2022 22:46

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	128	Resp:	12612
Ion	Ratio	Lower	Upper
128	100		
129	10.2	8.4	12.6
127	13.5	10.3	15.5

