

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110122\
 Data File : VU051671.D
 Acq On : 01 Nov 2022 23:11
 Operator : JC/MD
 Sample : N5319-07DL 25X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 02 04:07:06 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	6.250	114	210959	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	208420	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	102168	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	81992	5.161	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.200%
7) Chloroethane-d5	1.909	69	73816	4.455	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.000%
11) 1,1-Dichloroethene-d2	2.565	65	32823	5.692	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	113.800%
20) 2-Butanone-d5	4.620	46	194524	33.806	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	67.620%
24) Chloroform-d	5.060	84	154299	4.150	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.000%
26) 1,2-Dichloroethane-d4	5.700	65	78398	3.903	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.000%
32) Benzene-d6	5.726	84	317505	4.827	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.600%
36) 1,2-Dichloropropane-d6	6.690	67	101644	4.420	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.400%
41) Toluene-d8	7.896	98	256064	4.951	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.000%
43) trans-1,3-Dichloroprop...	8.179	79	30862	4.389	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.800%
46) 2-Hexanone-d5	8.629	63	147409	34.822	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	69.640%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	85787	4.070	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.400%
66) 1,2-Dichlorobenzene-d4	12.192	152	99647	5.314	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.200%
Target Compounds						
					Qvalue	
8) Chloroethane	1.932	64	6065	0.359	ug/L #	80
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	950	0.053	ug/L #	19
15) Methyl Acetate	3.083	43	3741	0.489	ug/L #	50
27) 1,2-Dichloroethane	5.771	62	12539	0.541	ug/L #	75
30) Cyclohexane	5.388	56	6635	0.255	ug/L	96
33) Benzene	5.771	78	1632541	19.849	ug/L	100
35) Methylcyclohexane	6.761	83	6851	0.250	ug/L	94
37) 1,2-Dichloropropane	6.687	63	10421	0.493	ug/L #	94
42) Toluene	7.967	91	22128	0.262	ug/L	96
51) Chlorobenzene	9.446	112	693475	13.044	ug/L	98
52) Ethylbenzene	9.568	91	104163	1.278	ug/L	99
53) m,p-Xylene	9.690	106	241533	7.630	ug/L	99
54) o-Xylene	10.099	106	73412	2.373	ug/L	100
55) Styrene	10.099	104	5357	0.104	ug/L #	1
60) Isopropylbenzene	10.485	105	69281	0.929	ug/L #	85
61) 1,2,3-Trichloropropane	10.095	75	1797	0.136	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.086	105	13822	0.688	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	51163	0.884	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	13942	0.374	ug/L	98

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Quant Time: Nov 02 04:07:06 2022
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Nov 02 03:06:15 2022
Response via : Initial Calibration

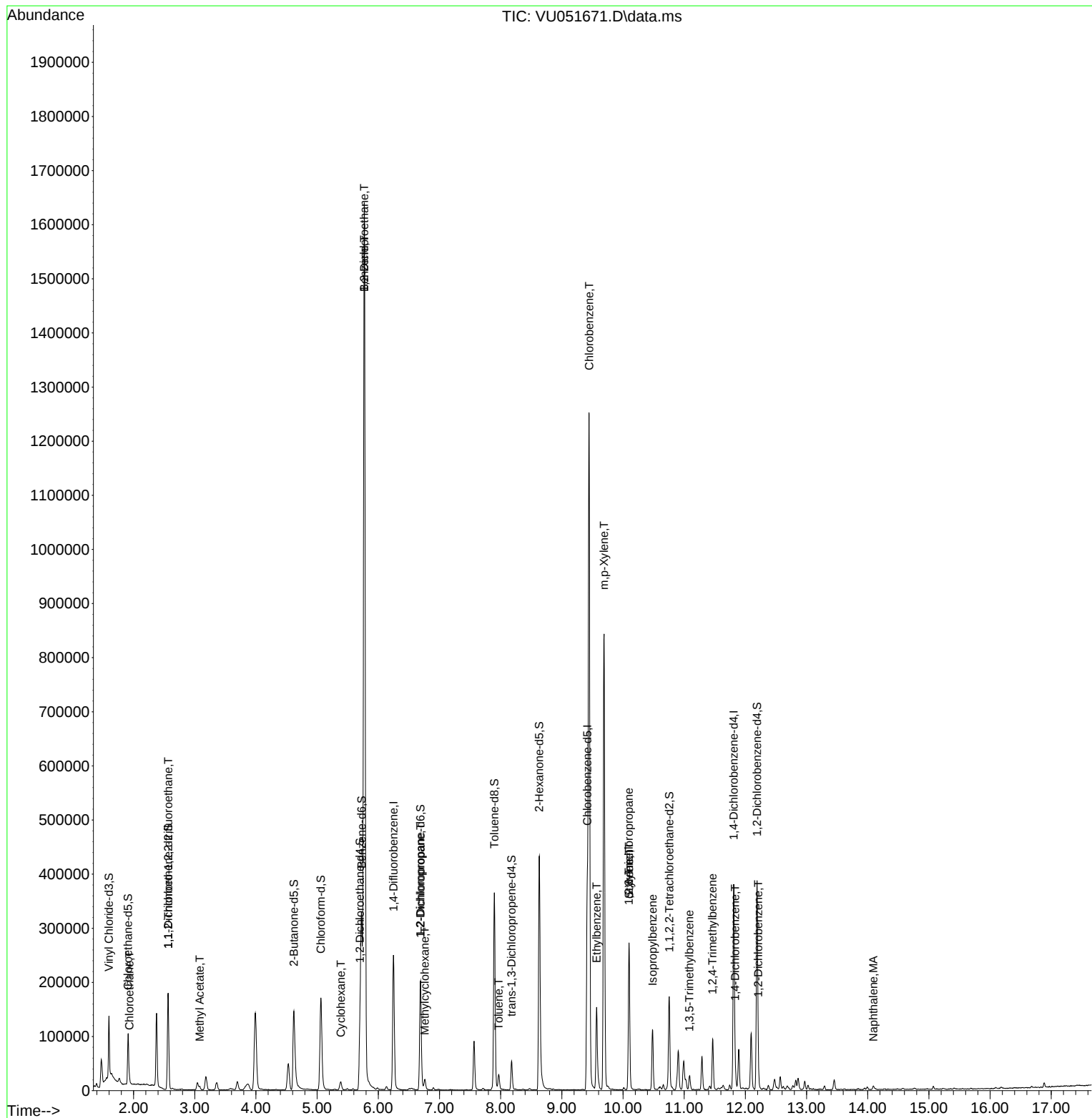
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	12.211	146	6488	0.179	ug/L	93
71) Naphthalene	14.092	128	6099	0.161	ug/L	98

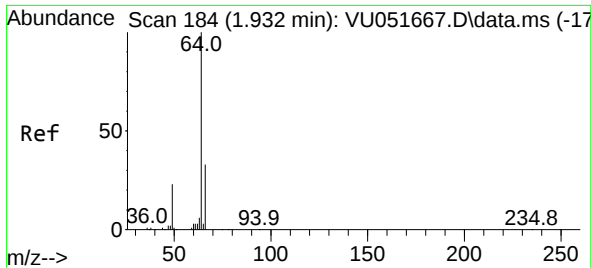
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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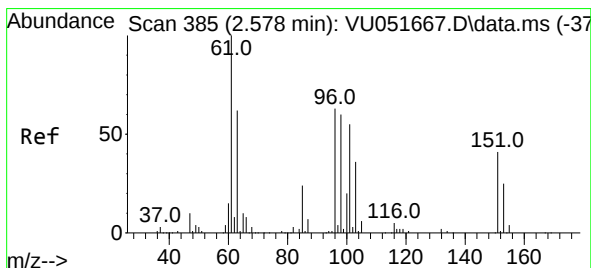
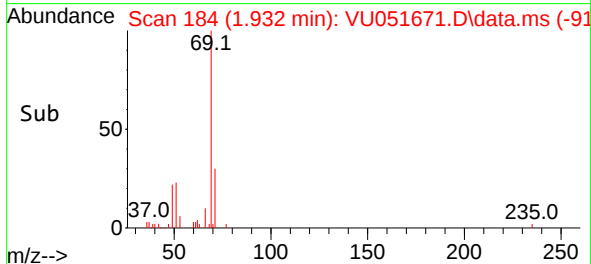
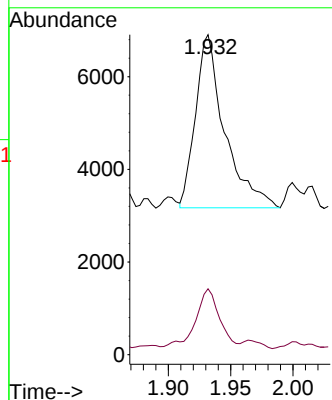
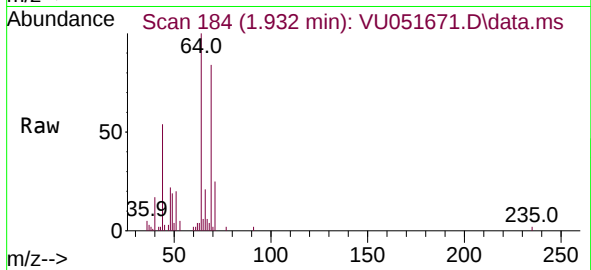




#8
Chloroethane
Concen: 0.359 ug/L
RT: 1.932 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU051671.D
Acq: 01 Nov 2022 23:11

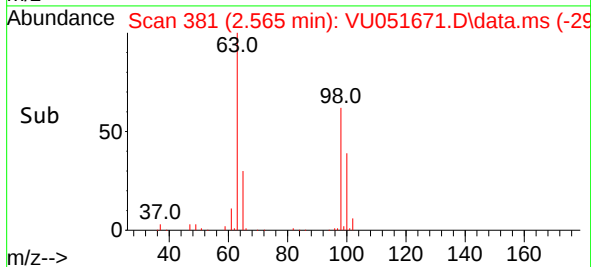
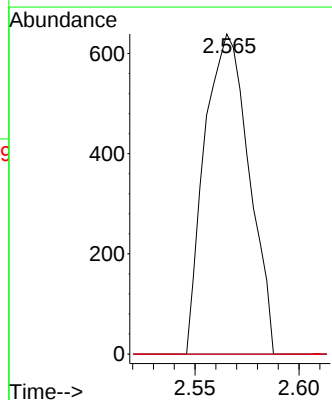
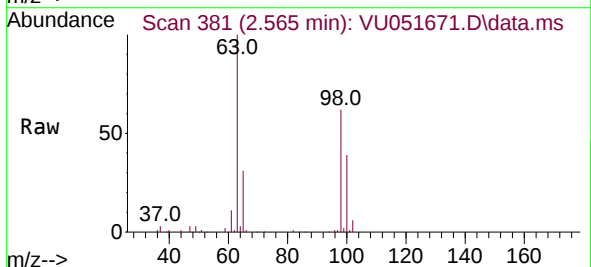
Instrument :
MSVOA_U
ClientSampleId :

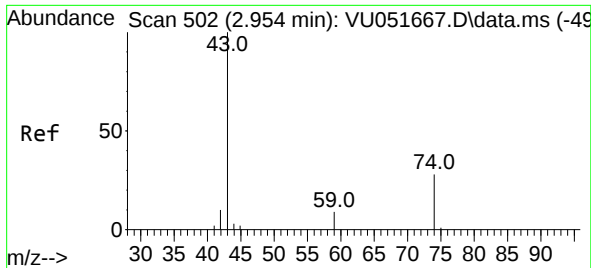
Tgt Ion: 64 Resp: 6065
Ion Ratio Lower Upper
64 100
66 20.6 22.3 41.5#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.053 ug/L
RT: 2.565 min Scan# 381
Delta R.T. -0.013 min
Lab File: VU051671.D
Acq: 01 Nov 2022 23:11

Tgt Ion:101 Resp: 950
Ion Ratio Lower Upper
101 100
85 0.0 35.6 53.4#
151 0.0 59.6 89.4#

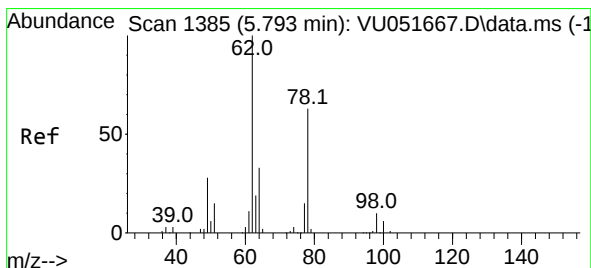
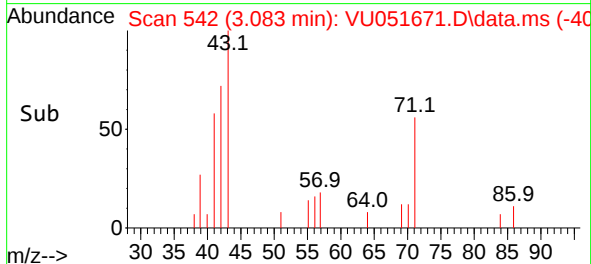
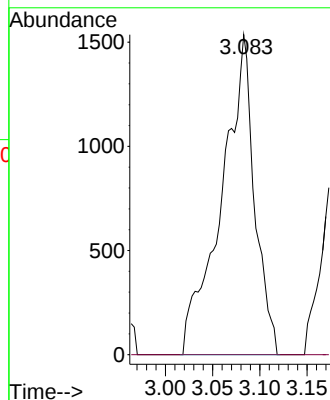
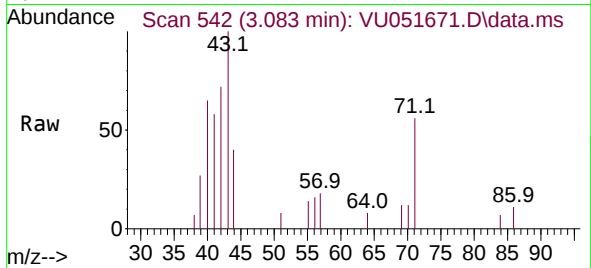




#15
Methyl Acetate
Concen: 0.489 ug/L
RT: 3.083 min Scan# 54
Delta R.T. 0.129 min
Lab File: VU051671.D
Acq: 01 Nov 2022 23:11

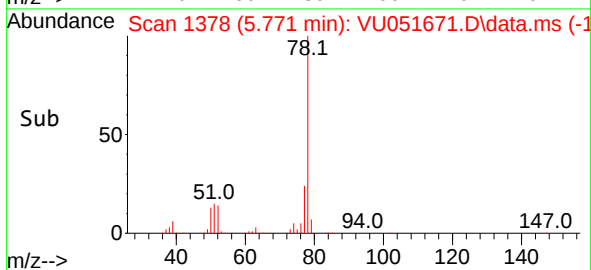
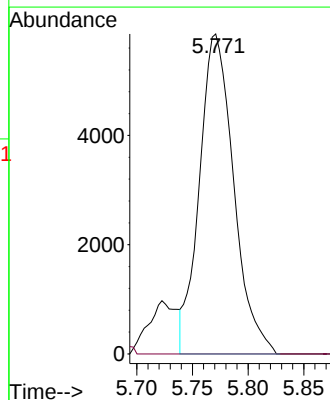
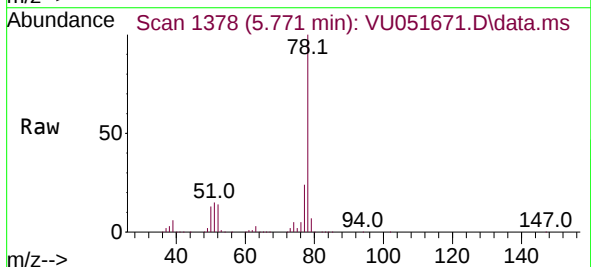
Instrument :
MSVOA_U
ClientSampleId :

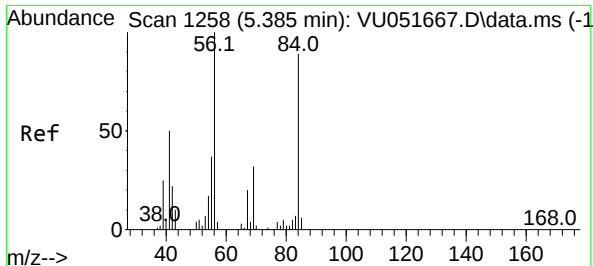
Tgt Ion: 43 Resp: 3741
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.4#



#27
1,2-Dichloroethane
Concen: 0.541 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.022 min
Lab File: VU051671.D
Acq: 01 Nov 2022 23:11

Tgt Ion: 62 Resp: 12539
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.0#





#30

Cyclohexane

Concen: 0.255 ug/L

RT: 5.388 min Scan# 1258

Delta R.T. 0.003 min

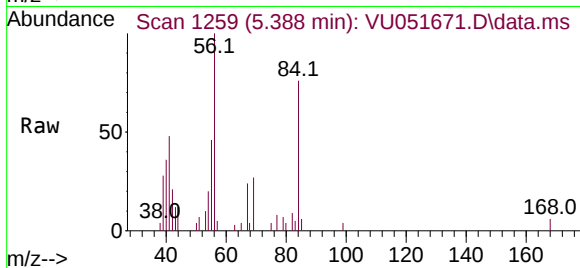
Lab File: VU051671.D

Acq: 01 Nov 2022 23:11

Instrument :

MSVOA_U

ClientSampleId :



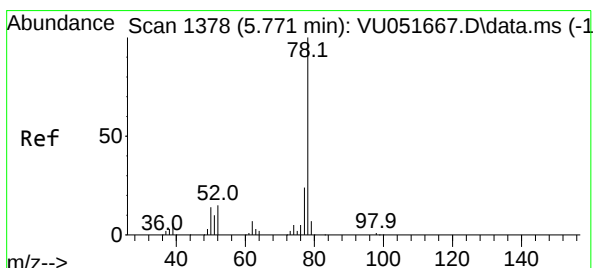
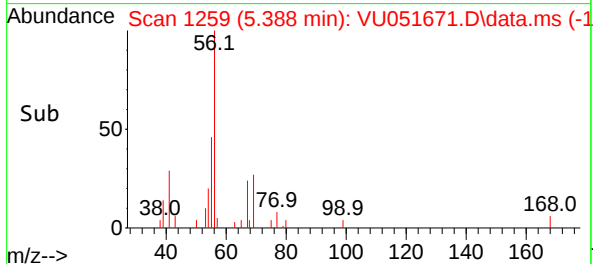
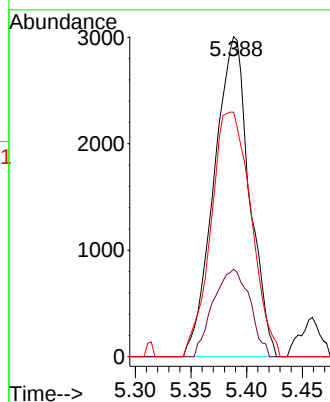
Tgt Ion: 56 Resp: 6635

Ion Ratio Lower Upper

56 100

69 28.3 25.4 38.0

84 86.6 71.4 107.0



#33

Benzene

Concen: 19.849 ug/L

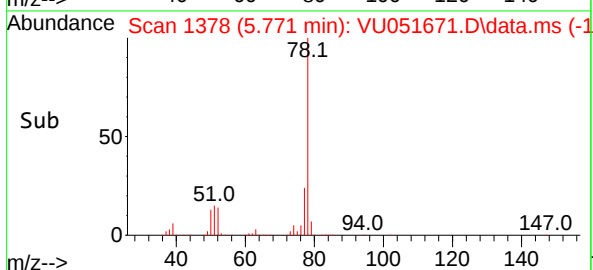
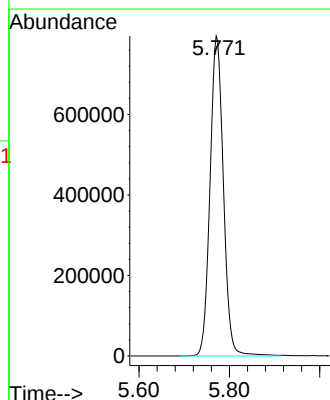
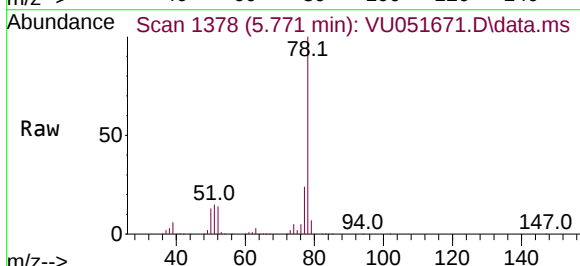
RT: 5.771 min Scan# 1378

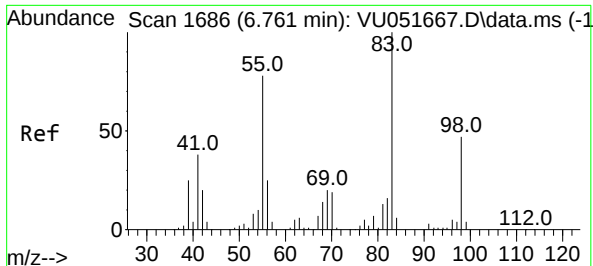
Delta R.T. 0.000 min

Lab File: VU051671.D

Acq: 01 Nov 2022 23:11

Tgt Ion: 78 Resp: 1632541





#35

Methylcyclohexane

Concen: 0.250 ug/L

RT: 6.761 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU051671.D

Acq: 01 Nov 2022 23:11

Instrument :

MSVOA_U

ClientSampleId :

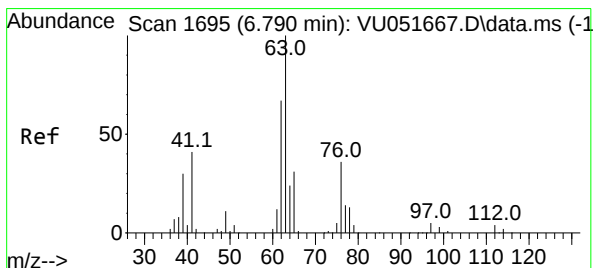
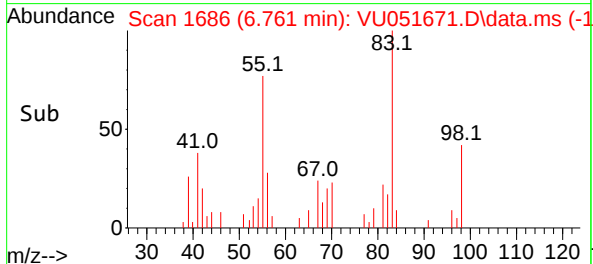
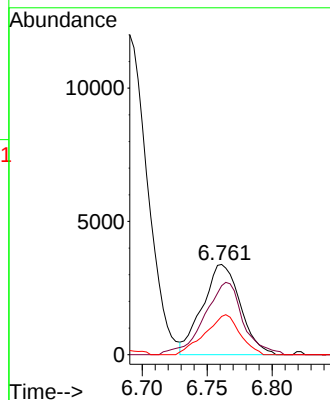
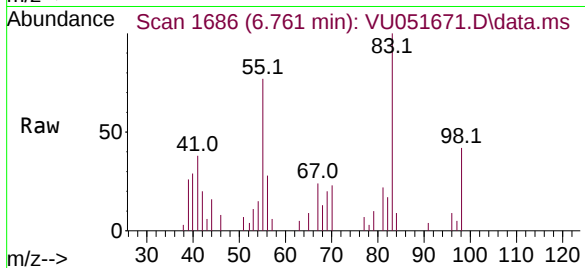
Tgt Ion: 83 Resp: 6851

Ion Ratio Lower Upper

83 100

55 81.4 60.6 90.8

98 40.7 35.8 53.6



#37

1,2-Dichloropropane

Concen: 0.493 ug/L

RT: 6.687 min Scan# 1663

Delta R.T. -0.103 min

Lab File: VU051671.D

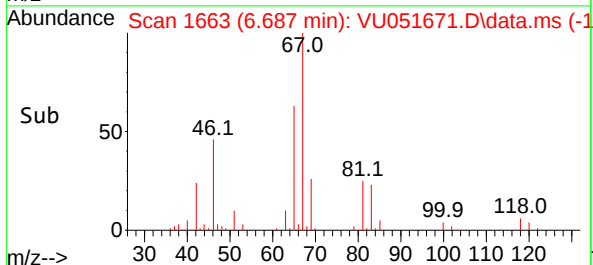
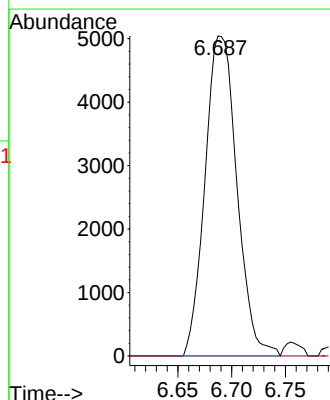
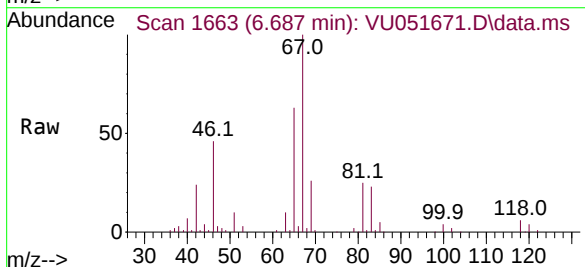
Acq: 01 Nov 2022 23:11

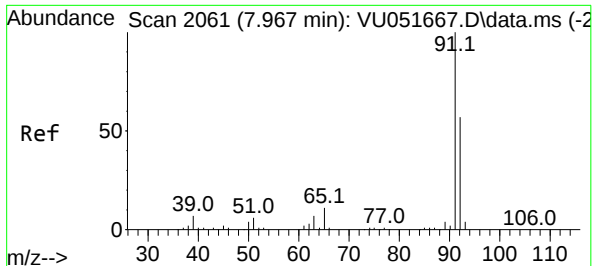
Tgt Ion: 63 Resp: 10421

Ion Ratio Lower Upper

63 100

112 2.0 3.3 4.9#

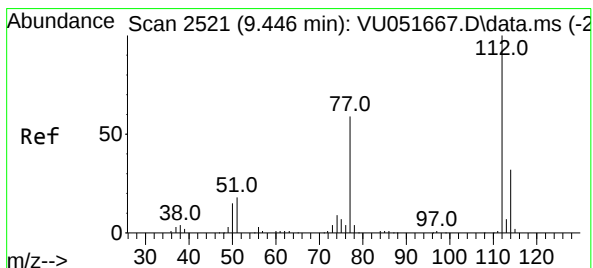
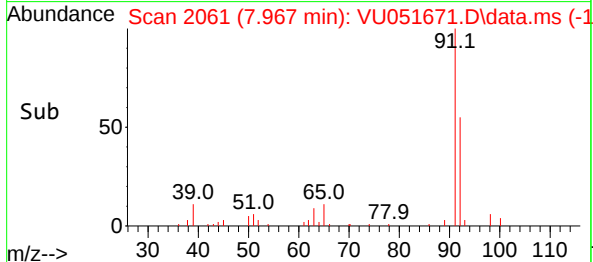
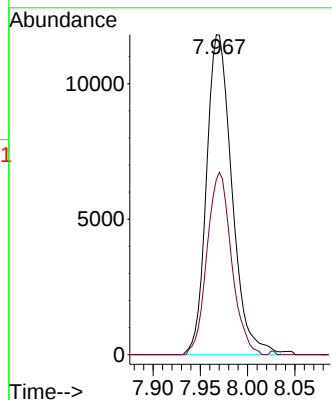
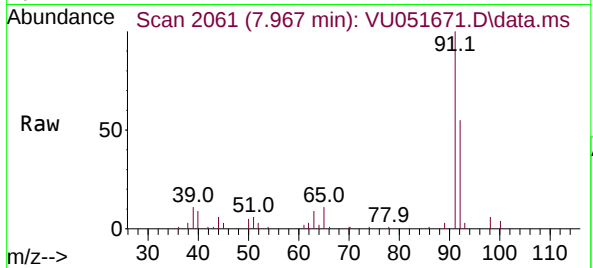




#42
Toluene
Concen: 0.262 ug/L
RT: 7.967 min Scan# 2061
Delta R.T. 0.000 min
Lab File: VU051671.D
Acq: 01 Nov 2022 23:11

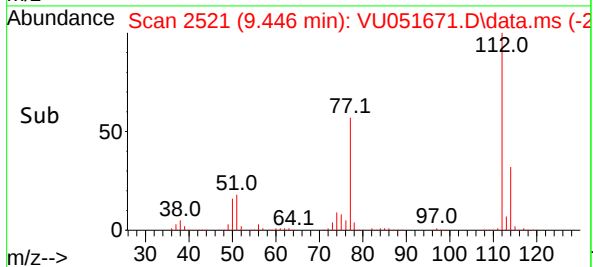
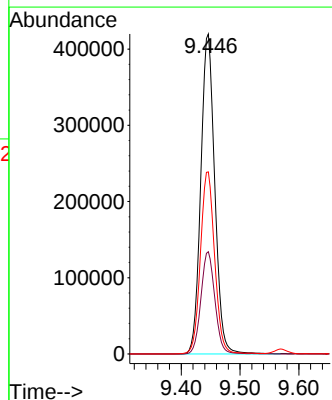
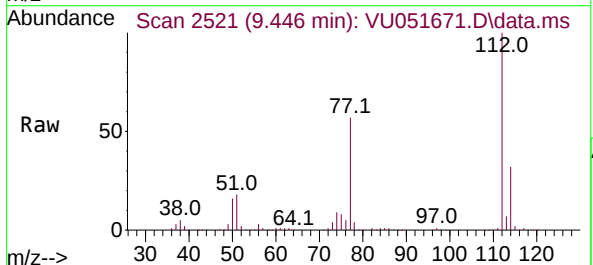
Instrument :
MSVOA_U
ClientSampleId :

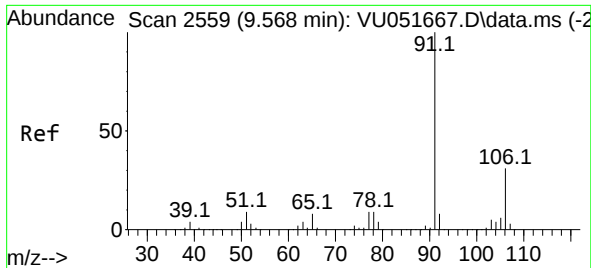
Tgt Ion: 91 Resp: 22128
Ion Ratio Lower Upper
91 100
92 54.8 40.5 75.3



#51
Chlorobenzene
Concen: 13.044 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.000 min
Lab File: VU051671.D
Acq: 01 Nov 2022 23:11

Tgt Ion: 112 Resp: 693475
Ion Ratio Lower Upper
112 100
114 32.0 22.0 40.8
77 56.9 46.7 70.1

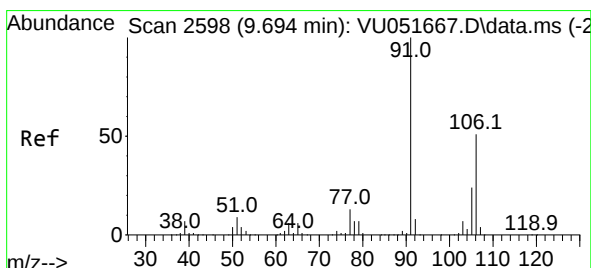
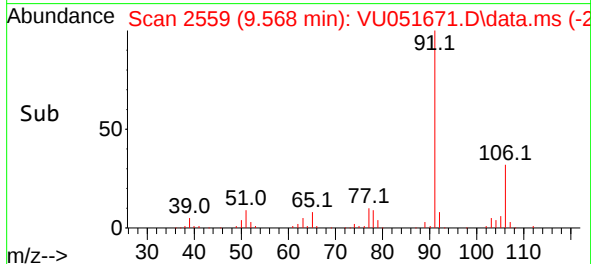
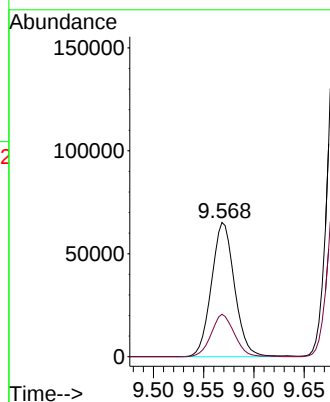
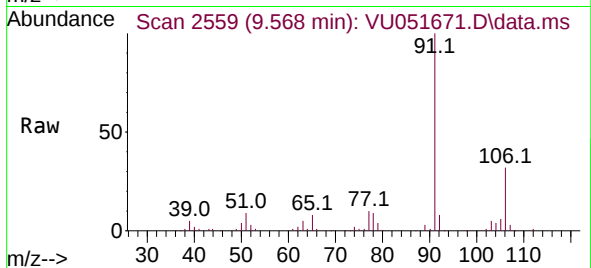




#52
Ethylbenzene
Concen: 1.278 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU051671.D
Acq: 01 Nov 2022 23:11

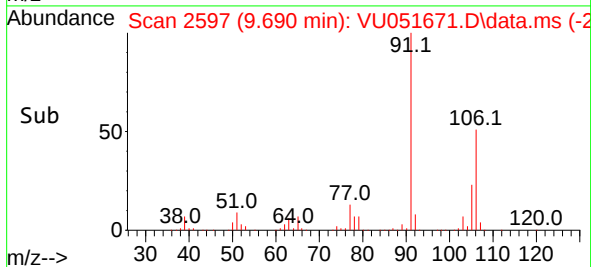
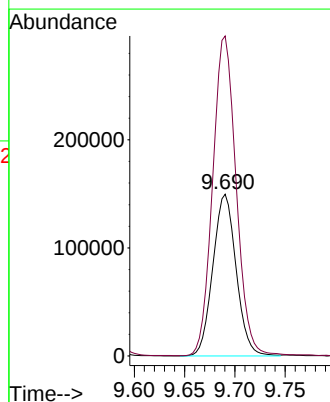
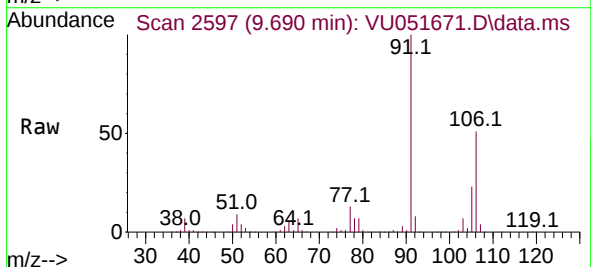
Instrument :
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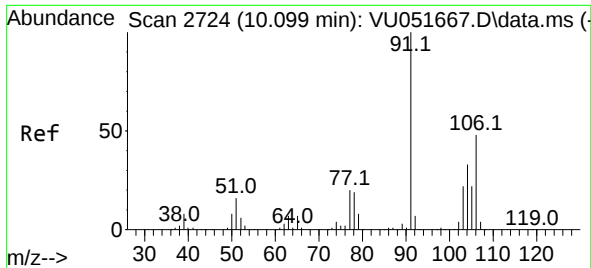
Tgt Ion: 91 Resp: 104163
Ion Ratio Lower Upper
91 100
106 31.6 21.8 40.6



#53
m,p-Xylene
Concen: 7.630 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU051671.D
Acq: 01 Nov 2022 23:11

Tgt Ion: 106 Resp: 241533
Ion Ratio Lower Upper
106 100
91 197.8 139.4 259.0

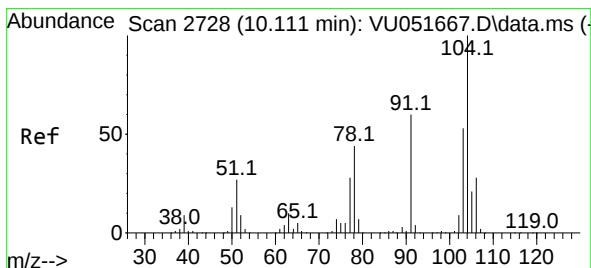
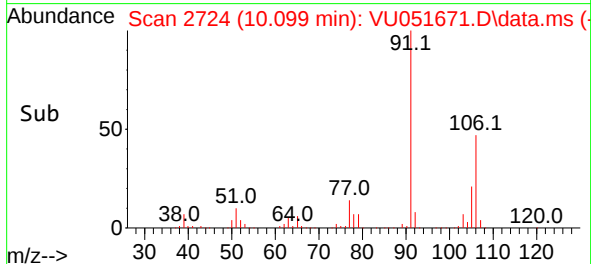
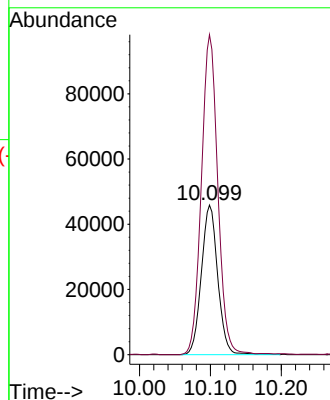
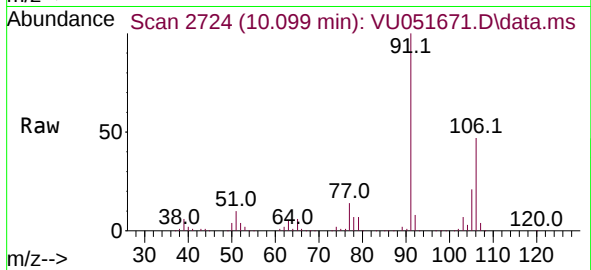




#54
o-Xylene
Concen: 2.373 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU051671.D
Acq: 01 Nov 2022 23:11

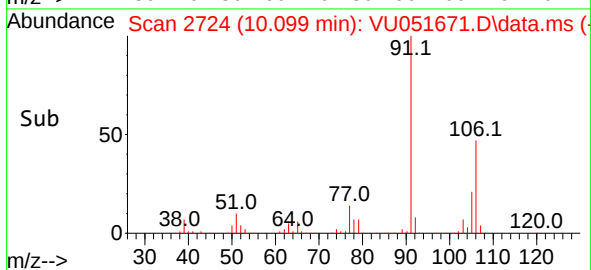
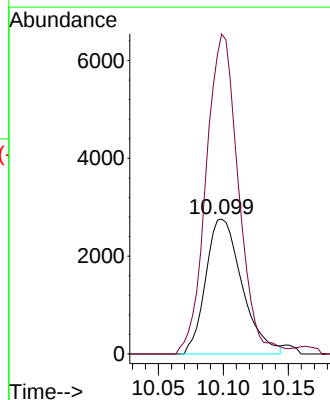
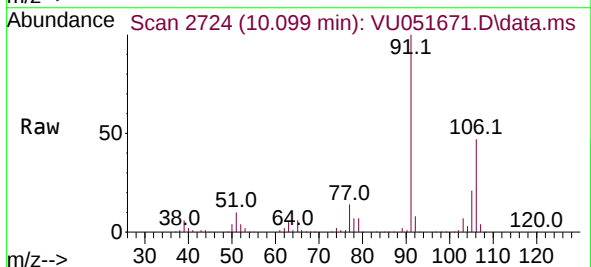
Instrument :
MSVOA_U
ClientSampleId :

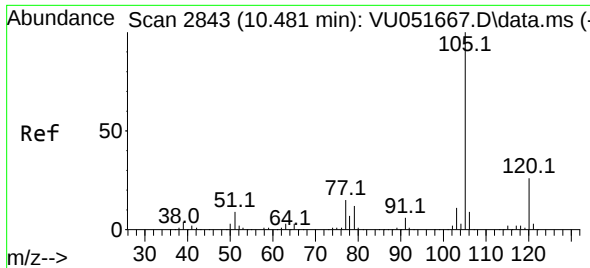
Tgt Ion:106 Resp: 73412
Ion Ratio Lower Upper
106 100
91 213.8 149.2 277.2



#55
Styrene
Concen: 0.104 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. -0.013 min
Lab File: VU051671.D
Acq: 01 Nov 2022 23:11

Tgt Ion:104 Resp: 5357
Ion Ratio Lower Upper
104 100
78 237.2 31.8 59.0#

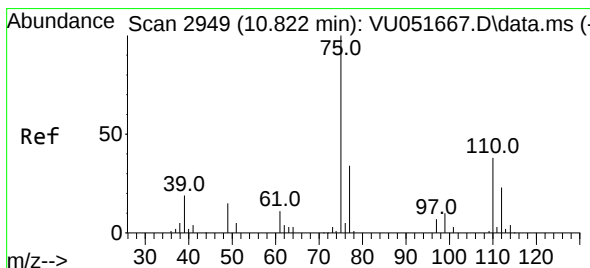
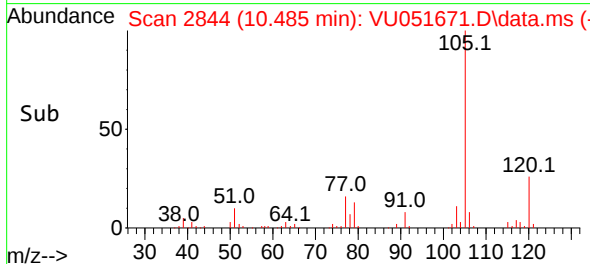
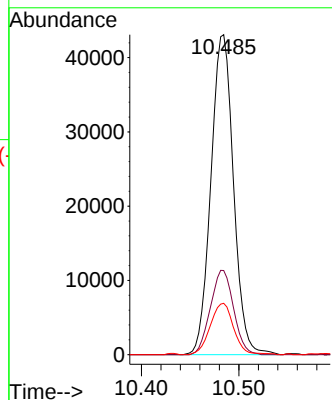
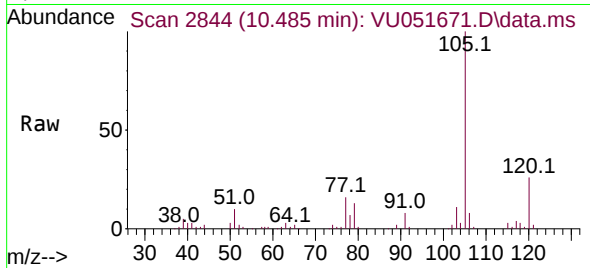




#60
Isopropylbenzene
Concen: 0.929 ug/L
RT: 10.485 min Scan# 2723
Delta R.T. 0.003 min
Lab File: VU051671.D
Acq: 01 Nov 2022 23:11

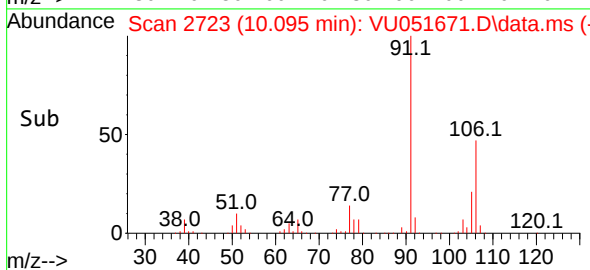
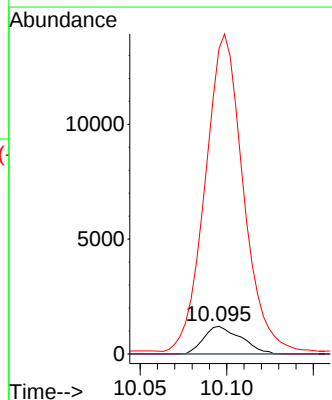
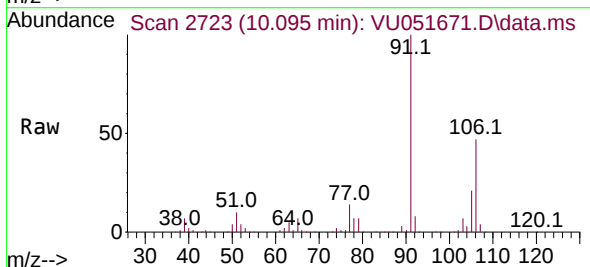
Instrument :
MSVOA_U
ClientSampleId :

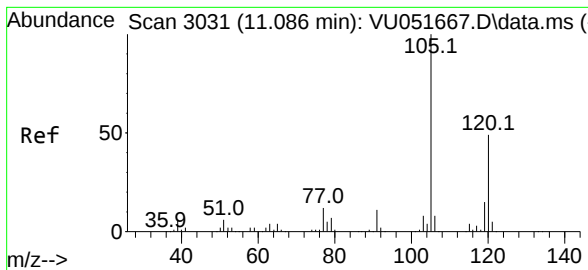
Tgt Ion:105 Resp: 69281
Ion Ratio Lower Upper
105 100
120 27.0 20.9 31.3
77 0.0 12.3 18.5#



#61
1,2,3-Trichloropropane
Concen: 0.136 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. -0.727 min
Lab File: VU051671.D
Acq: 01 Nov 2022 23:11

Tgt Ion: 75 Resp: 1797
Ion Ratio Lower Upper
75 100
110 0.0 28.7 43.1#
77 1170.7 26.1 39.1#

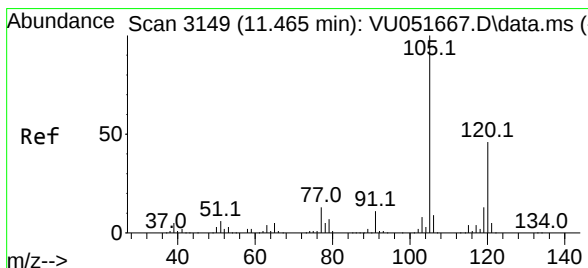
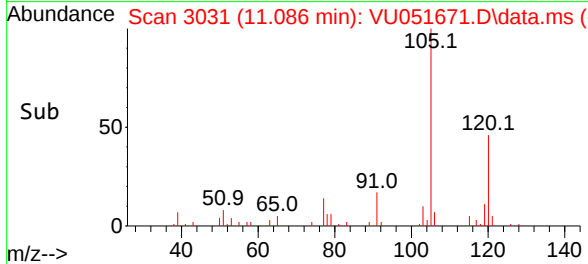
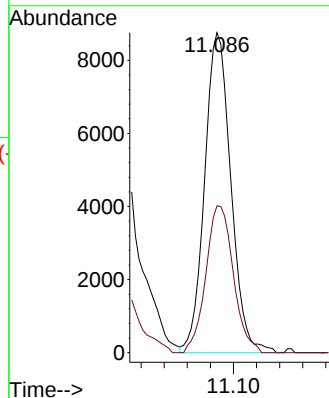
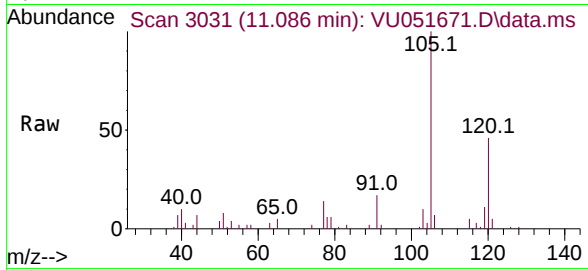




#62
 1,3,5-Trimethylbenzene
 Concen: 0.688 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. 0.000 min
 Lab File: VU051671.D
 Acq: 01 Nov 2022 23:11

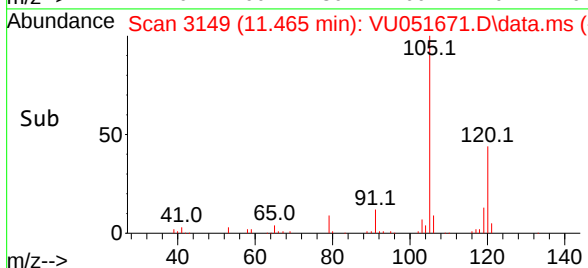
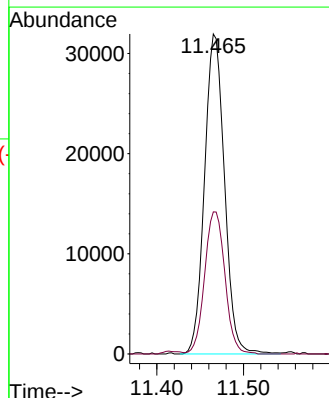
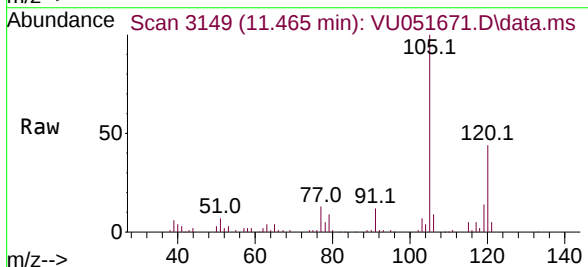
Instrument :
 MSVOA_U
 ClientSampleId :

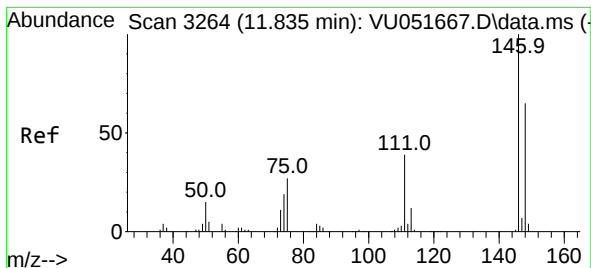
Tgt Ion:105 Resp: 13822
 Ion Ratio Lower Upper
 105 100
 120 48.0 38.6 57.8



#63
 1,2,4-Trimethylbenzene
 Concen: 0.884 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. 0.000 min
 Lab File: VU051671.D
 Acq: 01 Nov 2022 23:11

Tgt Ion:105 Resp: 51163
 Ion Ratio Lower Upper
 105 100
 120 45.1 35.8 53.6





#65

1,4-Dichlorobenzene

Concen: 0.374 ug/L

RT: 11.832 min Scan# 3263

Delta R.T. -0.003 min

Lab File: VU051671.D

Acq: 01 Nov 2022 23:11

Instrument :

MSVOA_U

ClientSampleId :

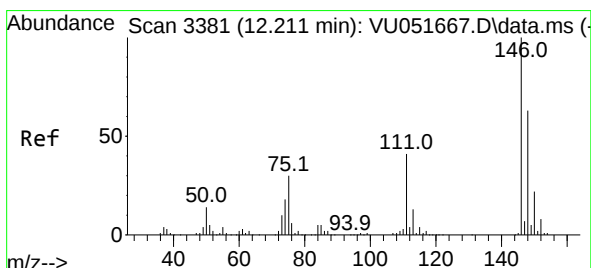
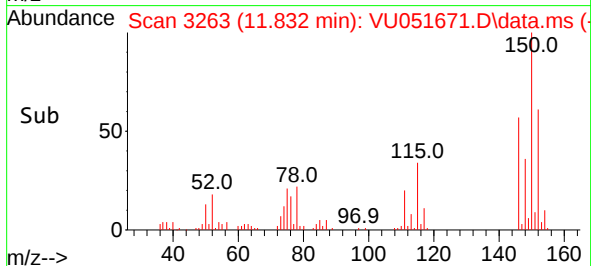
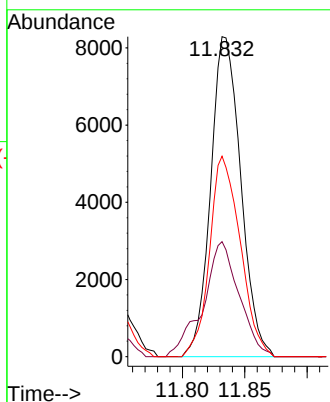
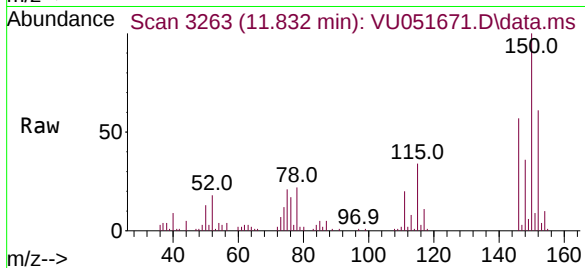
Tgt Ion:146 Resp: 13942

Ion Ratio Lower Upper

146 100

111 36.0 26.7 49.5

148 62.6 43.5 80.9



#67

1,2-Dichlorobenzene

Concen: 0.179 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU051671.D

Acq: 01 Nov 2022 23:11

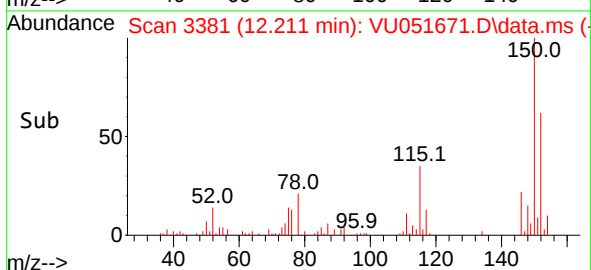
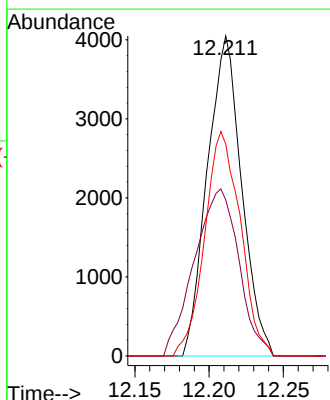
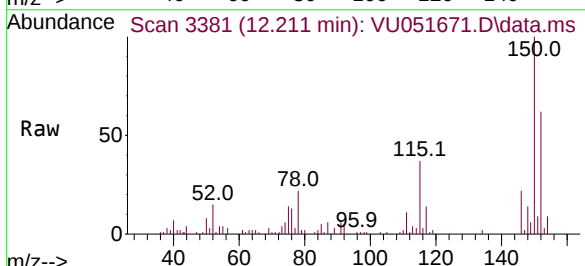
Tgt Ion:146 Resp: 6488

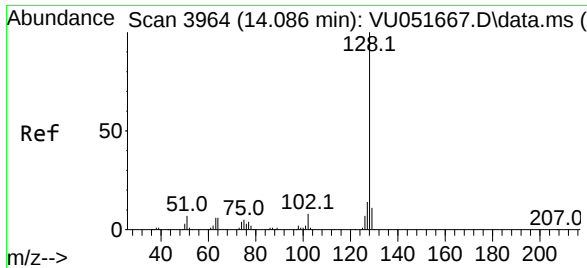
Ion Ratio Lower Upper

146 100

111 48.8 34.2 51.2

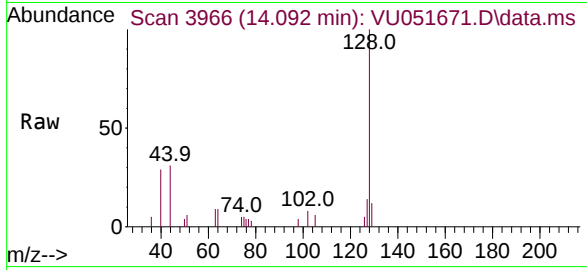
148 66.2 50.1 75.1





#71
Naphthalene
Concen: 0.161 ug/L
RT: 14.092 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VU051671.D
Acq: 01 Nov 2022 23:11

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	128	Resp:	6099
Ion	Ratio	Lower	Upper
128	100		
129	8.9	8.4	12.6
127	13.3	10.3	15.5

