

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110122\
 Data File : VU051674.D
 Acq On : 02 Nov 2022 00:27
 Operator : JC/MD
 Sample : N5319-10DL 100X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 02 04:07:50 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	6.250	114	198451	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	203456	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	90295	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	73553	4.921	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.400%
7) Chloroethane-d5	1.912	69	69437	4.455	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.000%
11) 1,1-Dichloroethene-d2	2.565	65	29946	5.521	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	110.400%
20) 2-Butanone-d5	4.629	46	189323	34.976	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	69.960%
24) Chloroform-d	5.063	84	149358	4.270	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.400%
26) 1,2-Dichloroethane-d4	5.700	65	79700	4.218	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.400%
32) Benzene-d6	5.726	84	299697	4.668	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.400%
36) 1,2-Dichloropropane-d6	6.687	67	96355	4.292	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.800%
41) Toluene-d8	7.896	98	237556	4.705	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.000%
43) trans-1,3-Dichloroprop...	8.179	79	32774	4.774	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.400%
46) 2-Hexanone-d5	8.632	63	157235	38.049	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	76.100%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	82760	4.023	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.400%
66) 1,2-Dichlorobenzene-d4	12.192	152	87893	5.303	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.601	62	11384	0.434	ug/L #	1
8) Chloroethane	1.932	64	7261	0.456	ug/L #	80
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	1097	0.065	ug/L #	40
13) Acetone	2.642	43	9286	3.381	ug/L	97
16) Methylene chloride	3.041	84	7167	0.254	ug/L	95
19) 1,1-Dichloroethane	3.871	63	3330	0.098	ug/L	95
22) cis-1,2-Dichloroethene	4.665	96	69521	3.393	ug/L	99
27) 1,2-Dichloroethane	5.774	62	7960	0.365	ug/L #	75
33) Benzene	5.771	78	1000931	12.467	ug/L	100
37) 1,2-Dichloropropane	6.690	63	9867	0.478	ug/L #	89
42) Toluene	7.967	91	1981534	24.031	ug/L	99
51) Chlorobenzene	9.446	112	45753	0.882	ug/L	99
52) Ethylbenzene	9.568	91	189789	2.385	ug/L	98
53) m,p-Xylene	9.690	106	144664	4.681	ug/L	95
54) o-Xylene	10.099	106	39654	1.313	ug/L	99
55) Styrene	10.099	104	3233	0.064	ug/L #	1
60) Isopropylbenzene	10.481	105	49037	0.744	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	6629	0.374	ug/L	97
63) 1,2,4-Trimethylbenzene	11.465	105	26412	0.516	ug/L	94

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

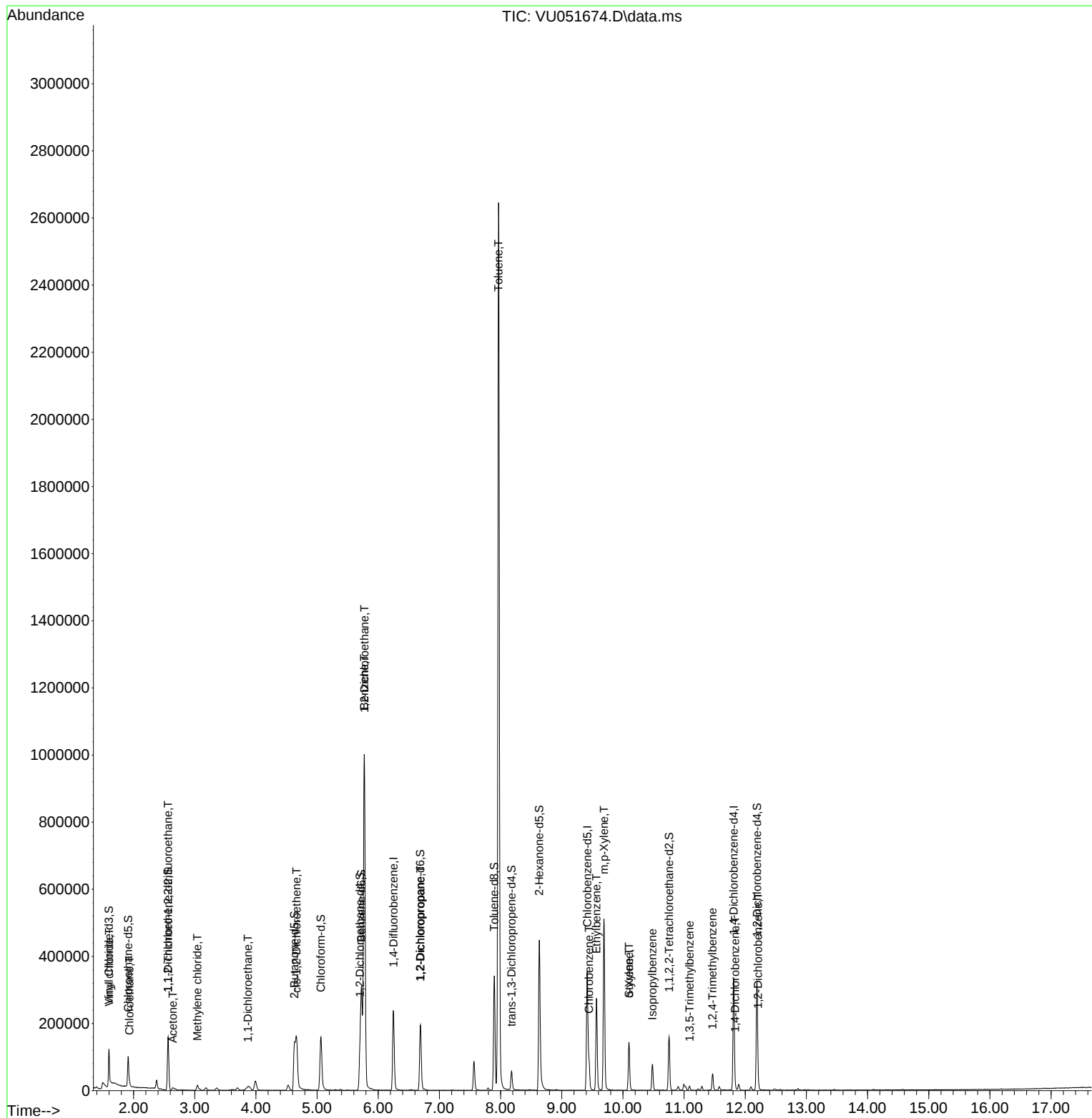
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	11.835	146	3225	0.098	ug/L #	78
67) 1,2-Dichlorobenzene	12.208	146	4182	0.131	ug/L #	91

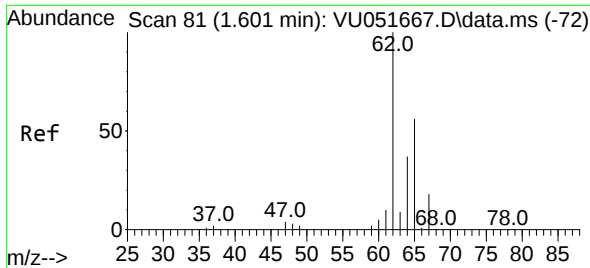
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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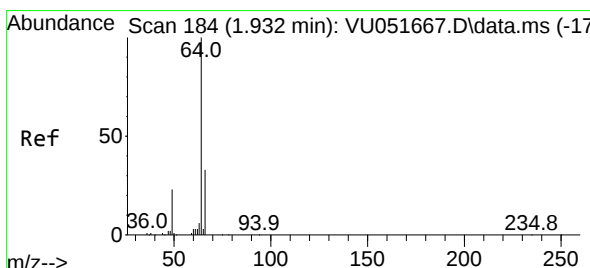
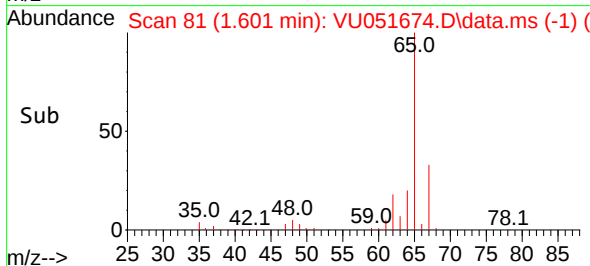
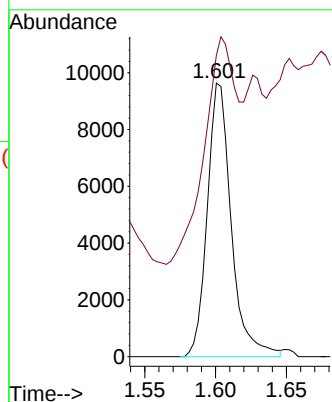
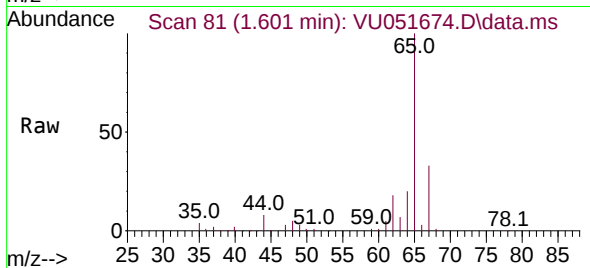




#5
 Vinyl chloride
 Concen: 0.434 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU051674.D
 Acq: 02 Nov 2022 00:27

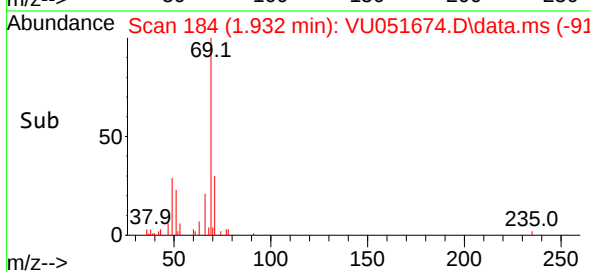
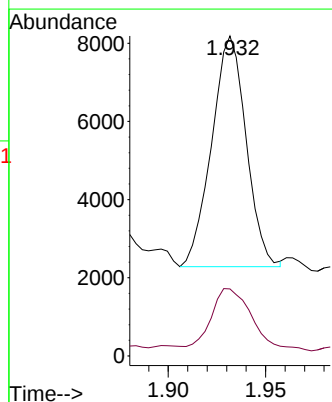
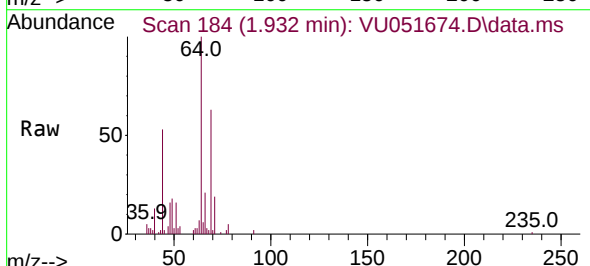
Instrument :
 MSVOA_U
 ClientSampleId :

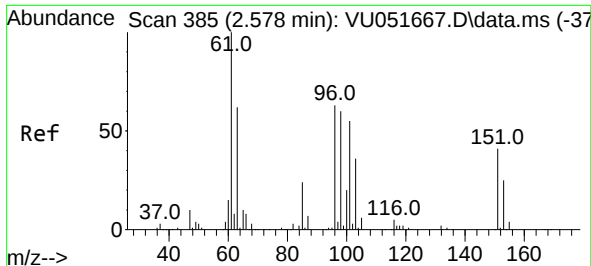
Tgt Ion: 62 Resp: 11384
 Ion Ratio Lower Upper
 62 100
 64 110.2 22.1 41.1#



#8
 Chloroethane
 Concen: 0.456 ug/L
 RT: 1.932 min Scan# 184
 Delta R.T. -0.000 min
 Lab File: VU051674.D
 Acq: 02 Nov 2022 00:27

Tgt Ion: 64 Resp: 7261
 Ion Ratio Lower Upper
 64 100
 66 20.9 22.3 41.5#

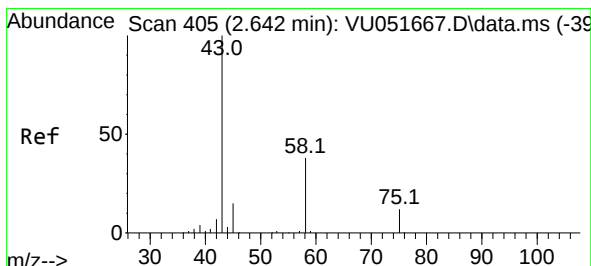
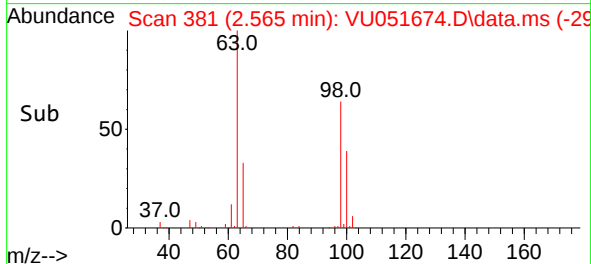
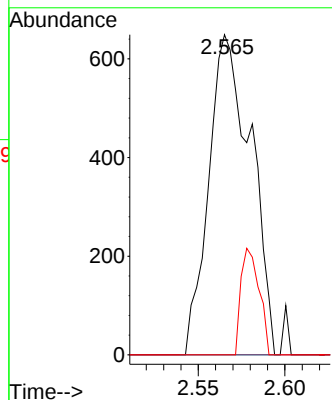
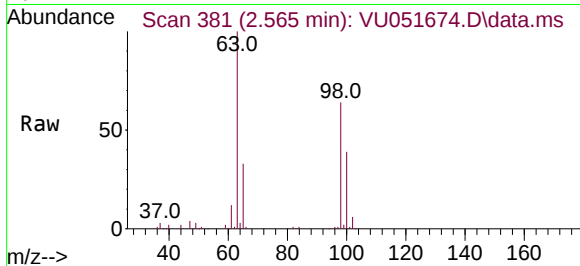




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.065 ug/L
RT: 2.565 min Scan# 381
Delta R.T. -0.013 min
Lab File: VU051674.D
Acq: 02 Nov 2022 00:27

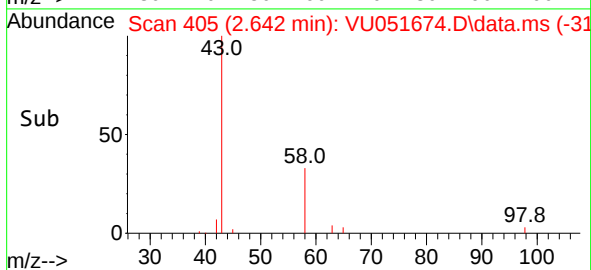
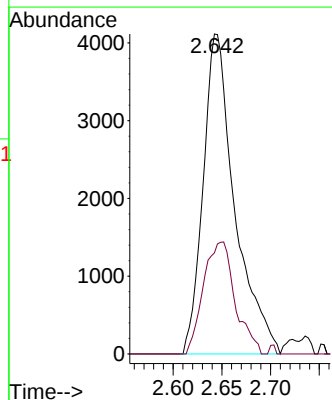
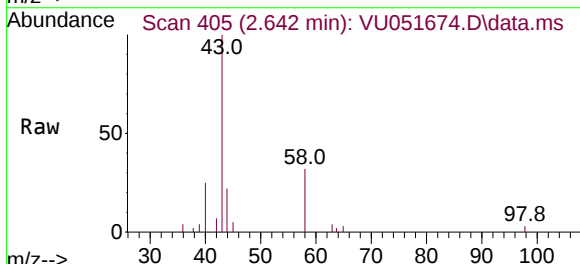
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MSVOA_U
ClientSampleId :

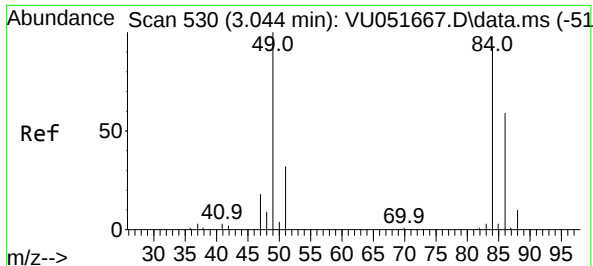
Tgt Ion:101 Resp: 1097
Ion Ratio Lower Upper
101 100
85 16.8 35.6 53.4#
151 14.3 59.6 89.4#



#13
Acetone
Concen: 3.381 ug/L
RT: 2.642 min Scan# 405
Delta R.T. -0.000 min
Lab File: VU051674.D
Acq: 02 Nov 2022 00:27

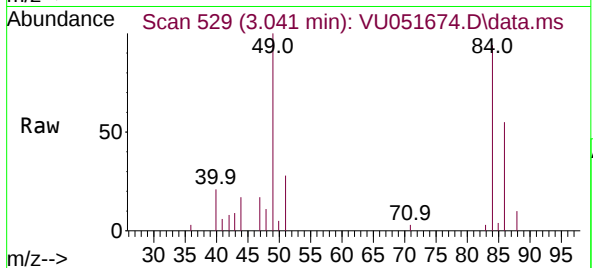
Tgt Ion: 43 Resp: 9286
Ion Ratio Lower Upper
43 100
58 35.0 0.0 73.8



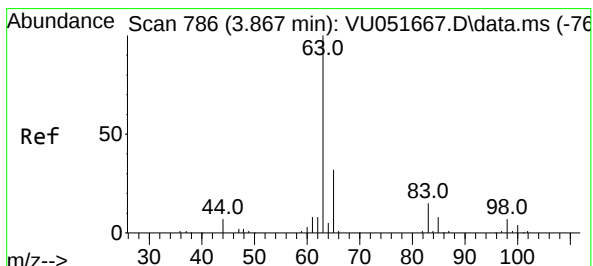
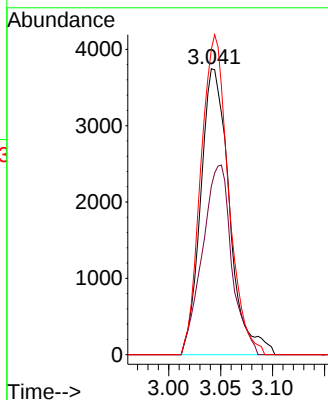
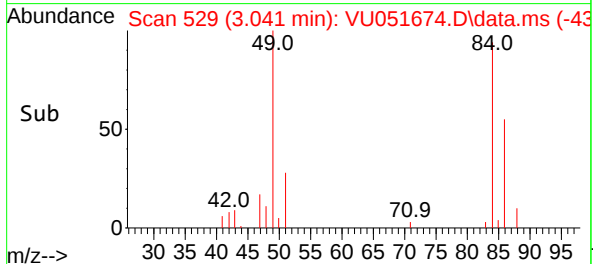


#16
Methylene chloride
Concen: 0.254 ug/L
RT: 3.041 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU051674.D
Acq: 02 Nov 2022 00:27

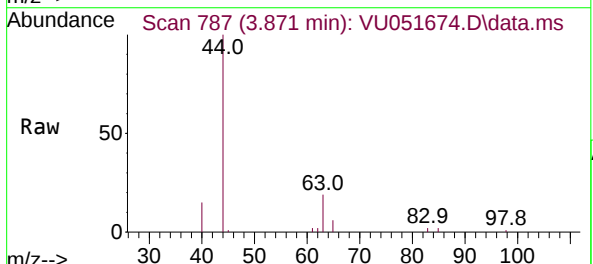
Instrument :
MSVOA_U
ClientSampleId :



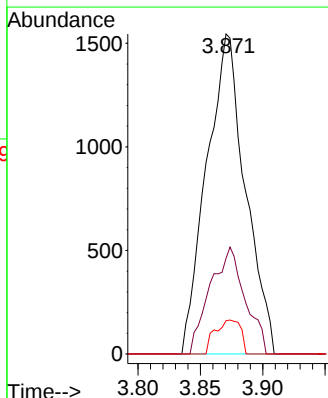
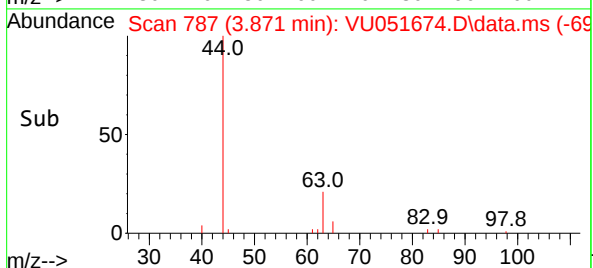
Tgt Ion: 84 Resp: 7167
Ion Ratio Lower Upper
84 100
86 58.9 46.3 85.9
49 106.8 76.0 141.2

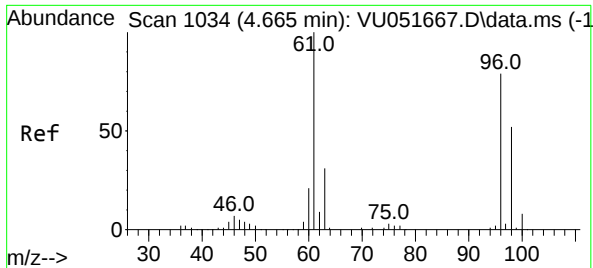


#19
1,1-Dichloroethane
Concen: 0.098 ug/L
RT: 3.871 min Scan# 787
Delta R.T. 0.003 min
Lab File: VU051674.D
Acq: 02 Nov 2022 00:27



Tgt Ion: 63 Resp: 3330
Ion Ratio Lower Upper
63 100
65 29.9 22.7 42.1
83 10.4 9.2 17.0





#22

cis-1,2-Dichloroethene

Concen: 3.393 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.000 min

Lab File: VU051674.D

Acq: 02 Nov 2022 00:27

Instrument :

MSVOA_U

ClientSampleId :

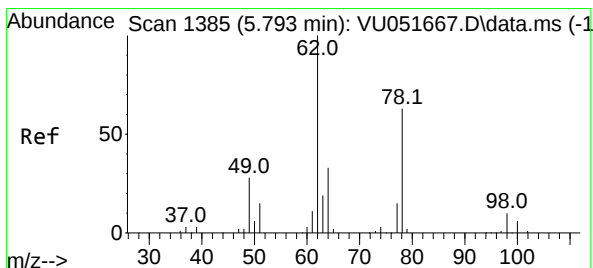
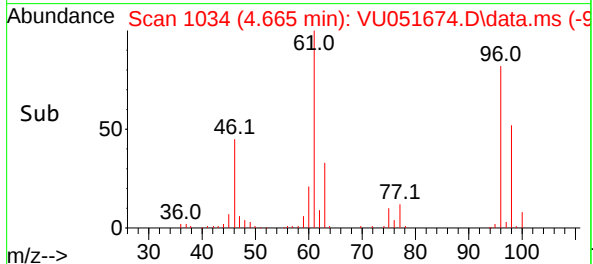
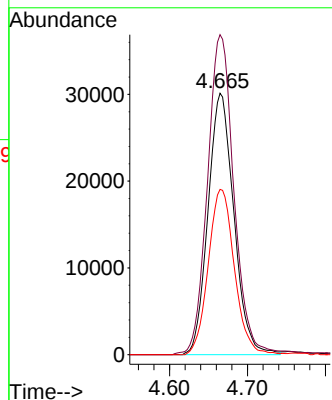
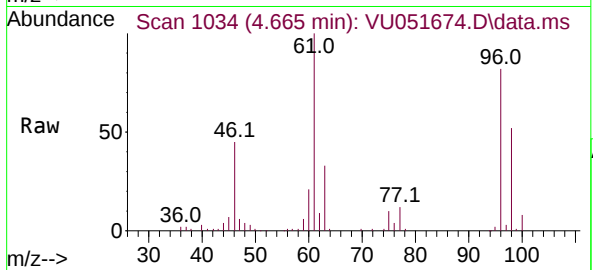
Tgt Ion: 96 Resp: 69521

Ion Ratio Lower Upper

96 100

61 122.4 86.4 160.4

98 63.2 44.2 82.2



#27

1,2-Dichloroethane

Concen: 0.365 ug/L

RT: 5.774 min Scan# 1379

Delta R.T. -0.019 min

Lab File: VU051674.D

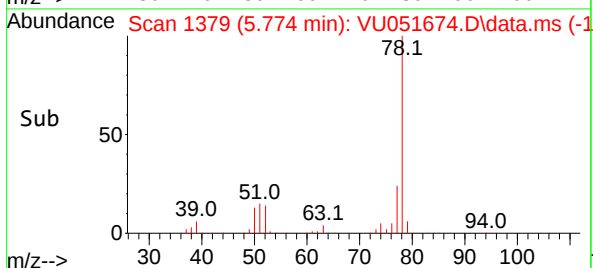
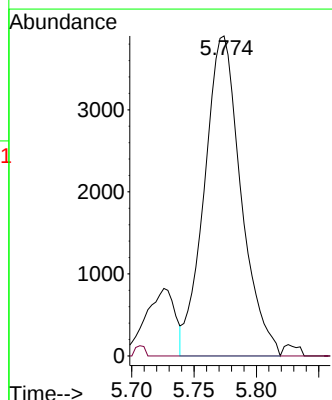
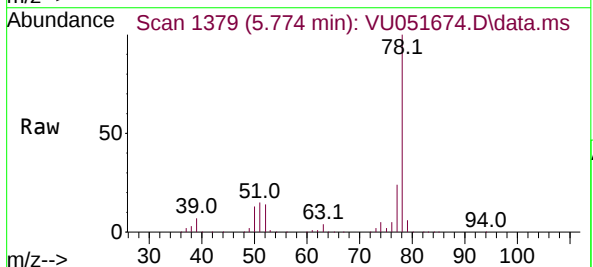
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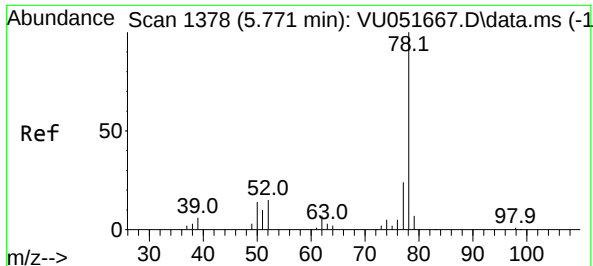
Tgt Ion: 62 Resp: 7960

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.0#

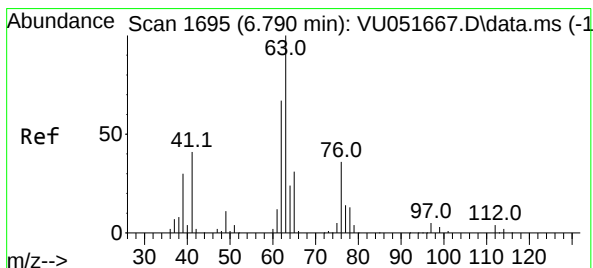
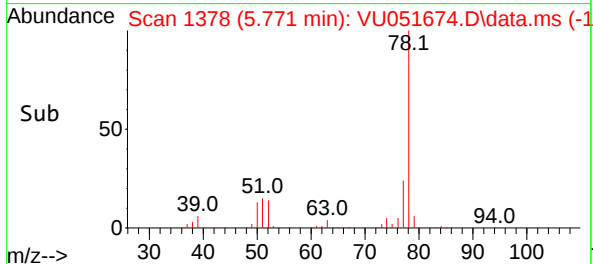
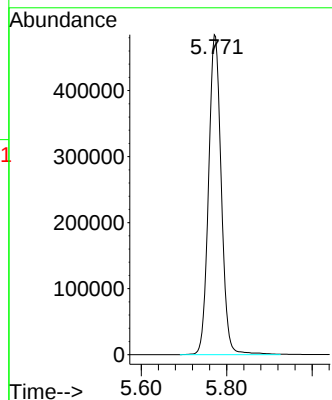
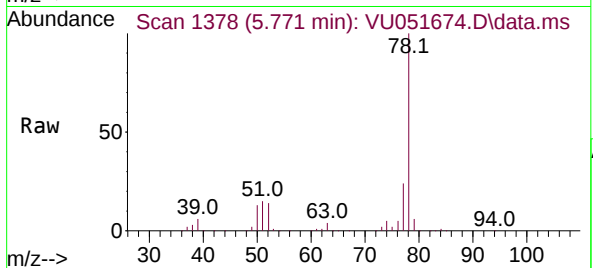




#33
Benzene
Concen: 12.467 ug/L
RT: 5.771 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU051674.D
Acq: 02 Nov 2022 00:27

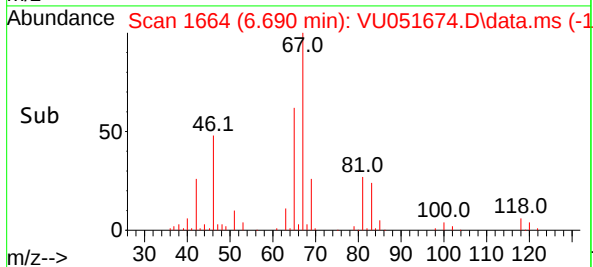
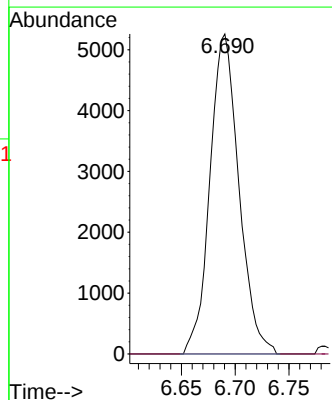
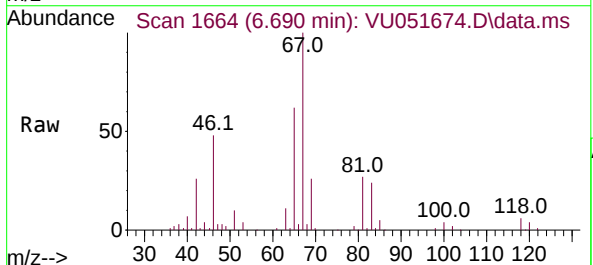
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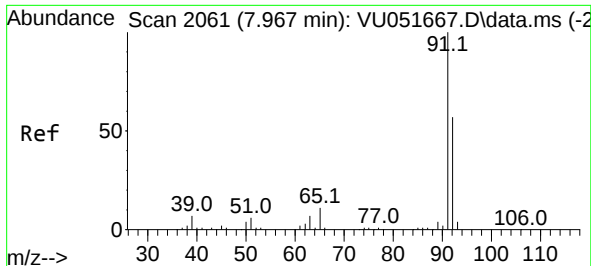
Tgt Ion: 78 Resp: 1000931



#37
1,2-Dichloropropane
Concen: 0.478 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.100 min
Lab File: VU051674.D
Acq: 02 Nov 2022 00:27

Tgt Ion: 63 Resp: 9867
Ion Ratio Lower Upper
63 100
112 0.4 3.3 4.9#





#42

Toluene

Concen: 24.031 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU051674.D

Acq: 02 Nov 2022 00:27

Instrument :

MSVOA_U

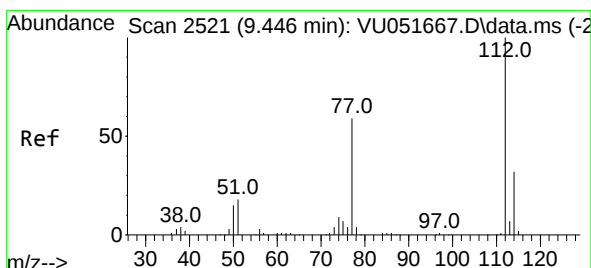
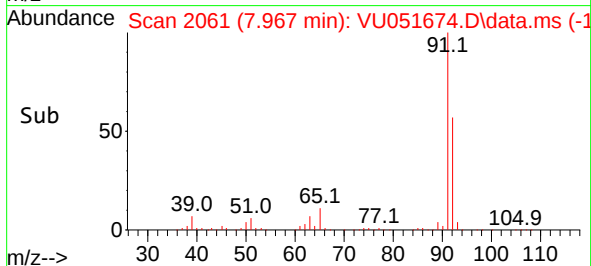
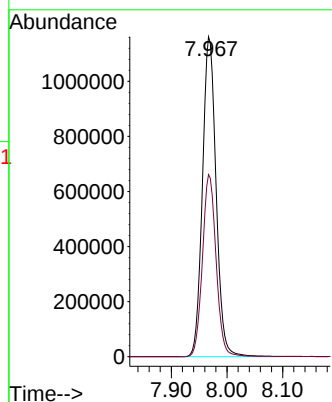
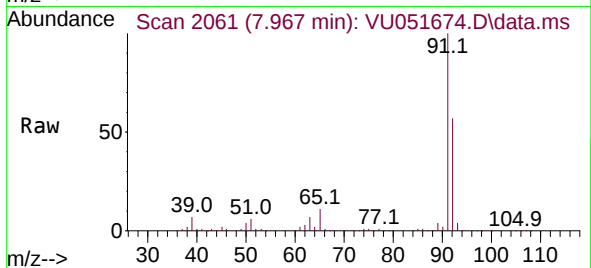
ClientSampleId :

Tgt Ion: 91 Resp: 1981534

Ion Ratio Lower Upper

91 100

92 56.9 40.5 75.3



#51

Chlorobenzene

Concen: 0.882 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.000 min

Lab File: VU051674.D

Acq: 02 Nov 2022 00:27

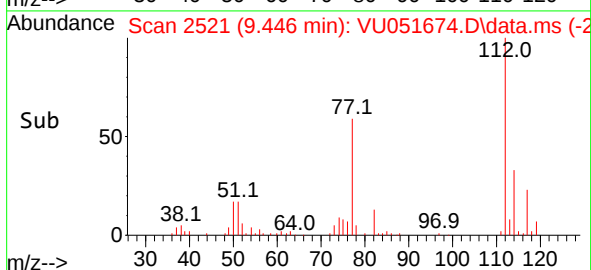
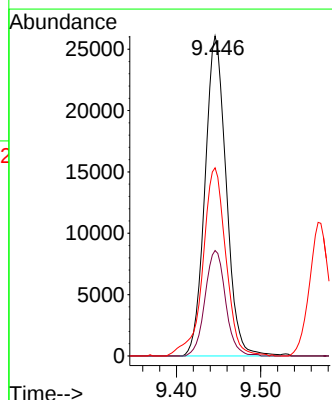
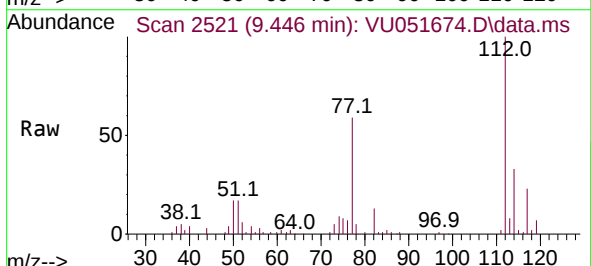
Tgt Ion: 112 Resp: 45753

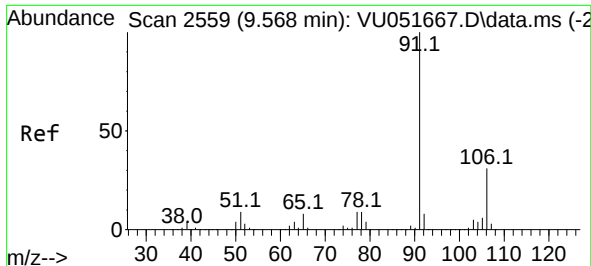
Ion Ratio Lower Upper

112 100

114 33.0 22.0 40.8

77 58.8 46.7 70.1

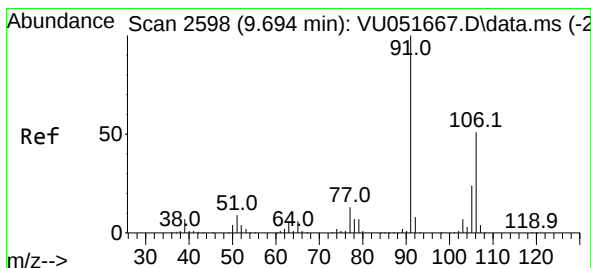
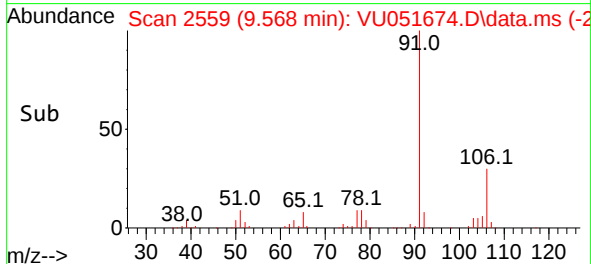
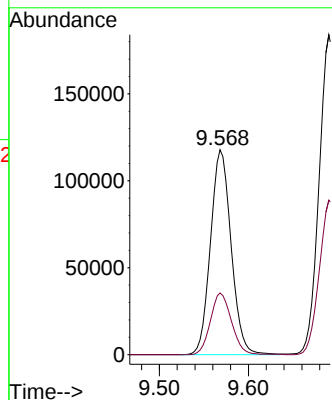
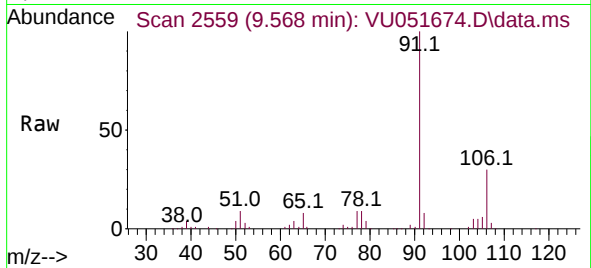




#52
Ethylbenzene
Concen: 2.385 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU051674.D
Acq: 02 Nov 2022 00:27

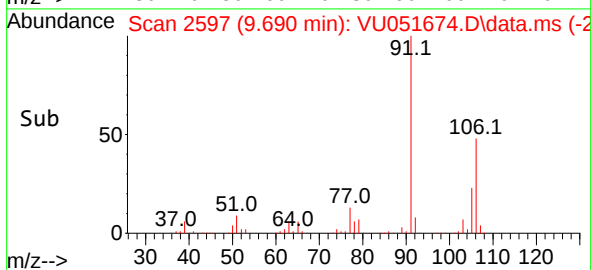
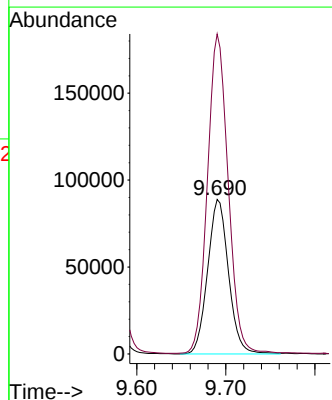
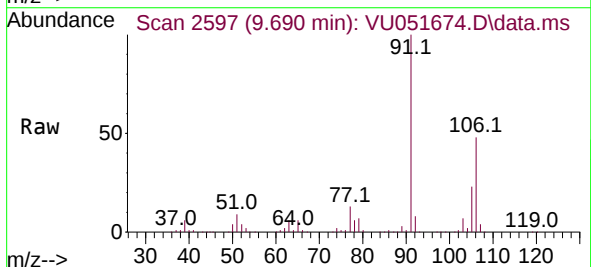
Instrument :
MSVOA_U
ClientSampleId :

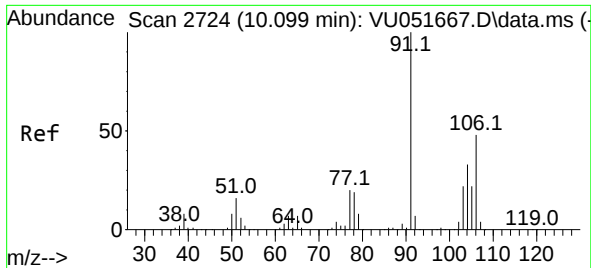
Tgt Ion: 91 Resp: 189789
Ion Ratio Lower Upper
91 100
106 30.1 21.8 40.6



#53
m,p-Xylene
Concen: 4.681 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU051674.D
Acq: 02 Nov 2022 00:27

Tgt Ion: 106 Resp: 144664
Ion Ratio Lower Upper
106 100
91 207.1 139.4 259.0

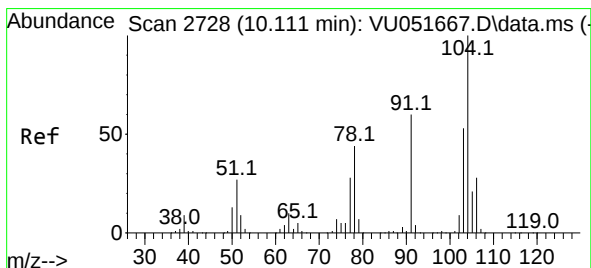
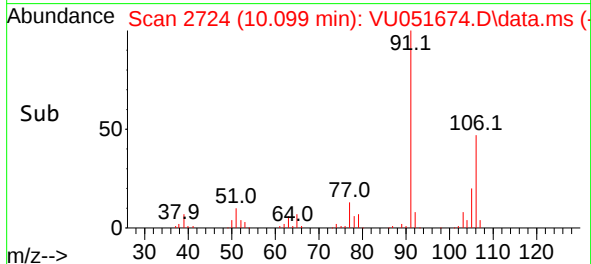
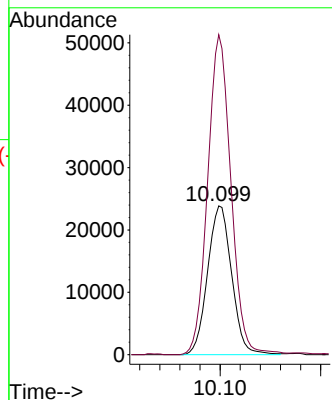
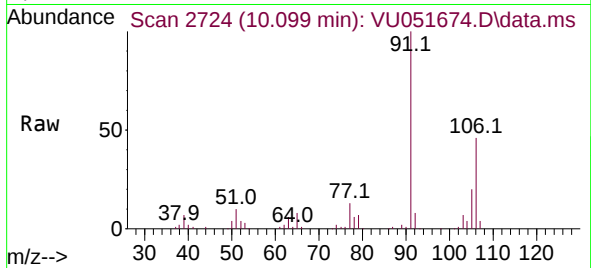




#54
o-Xylene
Concen: 1.313 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. -0.000 min
Lab File: VU051674.D
Acq: 02 Nov 2022 00:27

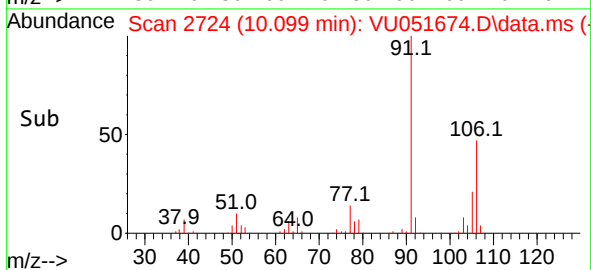
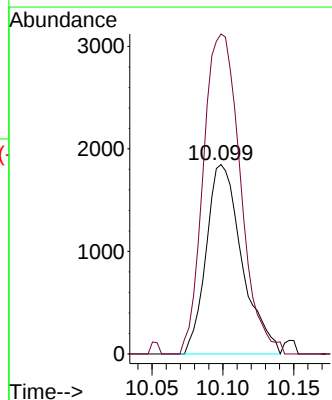
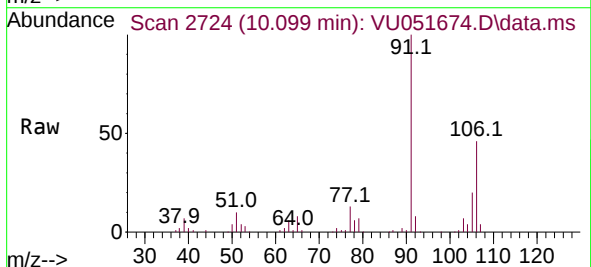
Instrument :
MSVOA_U
ClientSampleId :

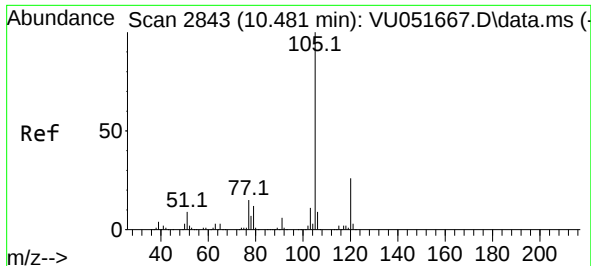
Tgt Ion:106 Resp: 39654
Ion Ratio Lower Upper
106 100
91 215.1 149.2 277.2



#55
Styrene
Concen: 0.064 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. -0.013 min
Lab File: VU051674.D
Acq: 02 Nov 2022 00:27

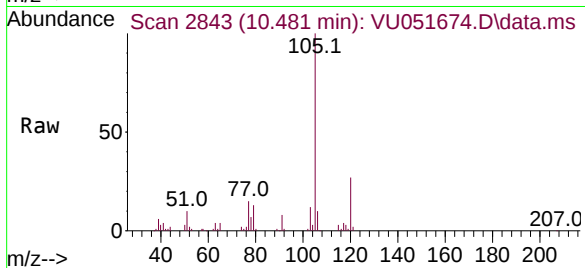
Tgt Ion:104 Resp: 3233
Ion Ratio Lower Upper
104 100
78 169.0 31.8 59.0#



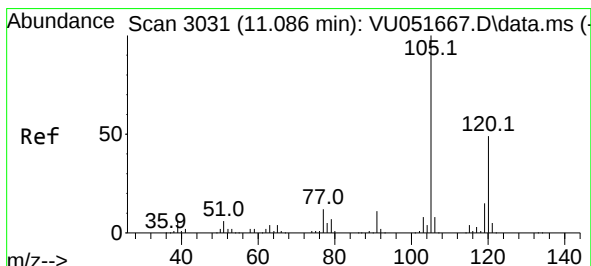
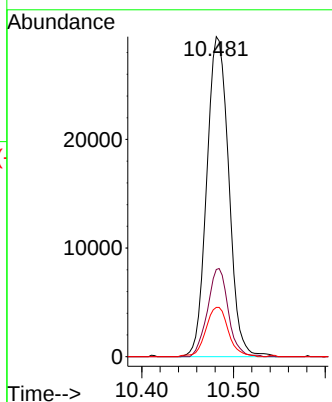
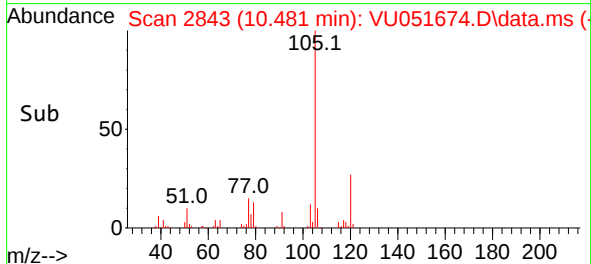


#60
Isopropylbenzene
Concen: 0.744 ug/L
RT: 10.481 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051674.D
Acq: 02 Nov 2022 00:27

Instrument :
MSVOA_U
ClientSampleId :

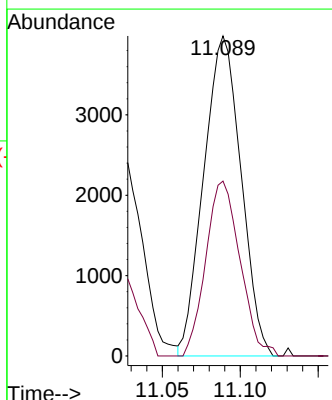
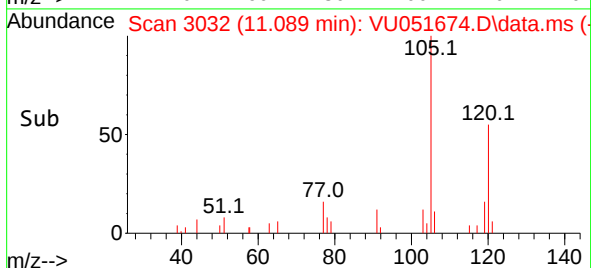
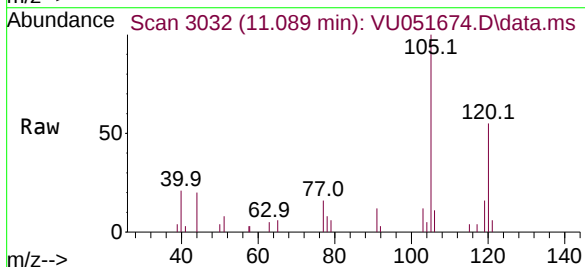


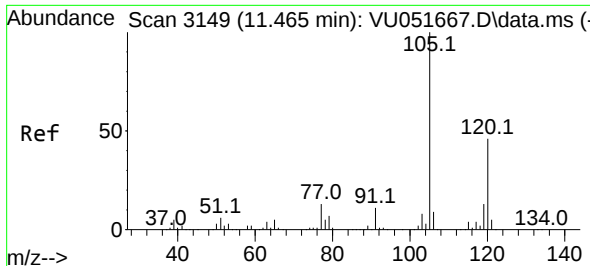
Tgt Ion:105 Resp: 49037
Ion Ratio Lower Upper
105 100
120 26.1 20.9 31.3
77 15.9 12.3 18.5



#62
1,3,5-Trimethylbenzene
Concen: 0.374 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.003 min
Lab File: VU051674.D
Acq: 02 Nov 2022 00:27

Tgt Ion:105 Resp: 6629
Ion Ratio Lower Upper
105 100
120 50.1 38.6 57.8

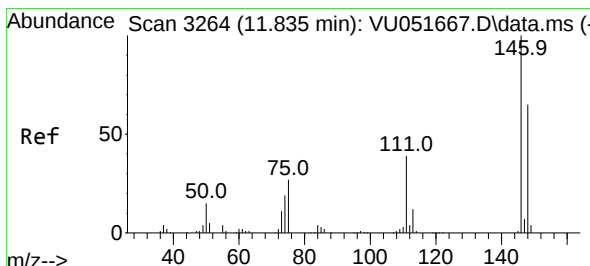
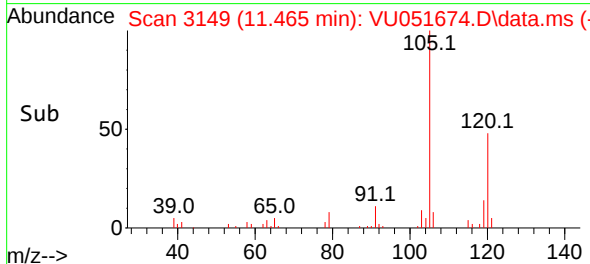
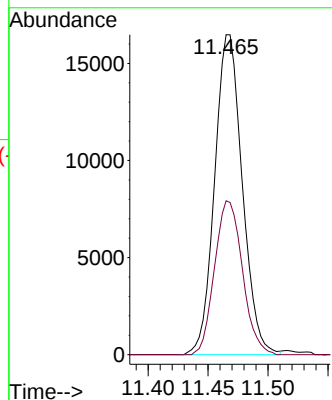
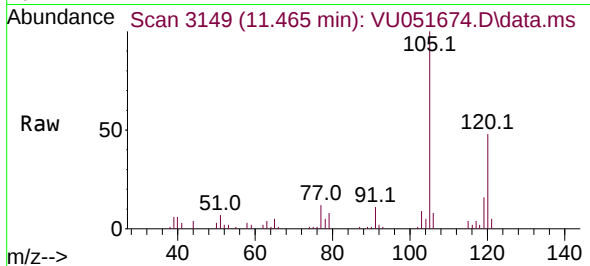




#63
1,2,4-Trimethylbenzene
Concen: 0.516 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. -0.000 min
Lab File: VU051674.D
Acq: 02 Nov 2022 00:27

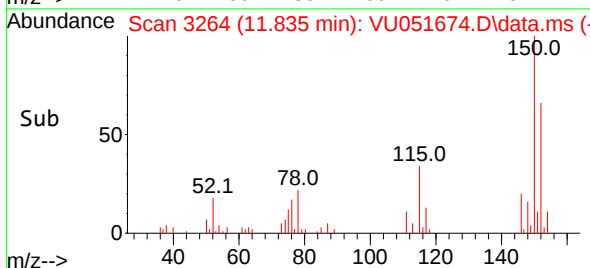
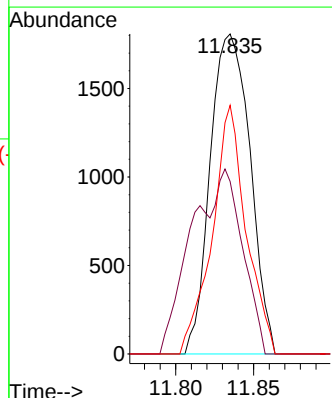
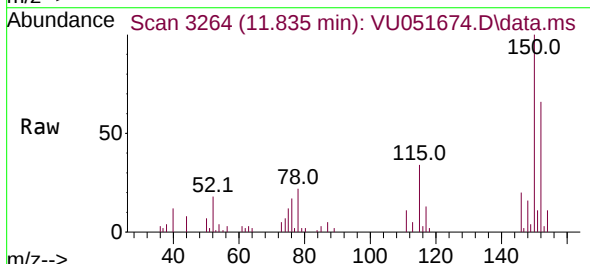
Instrument :
MSVOA_U
ClientSampleId :

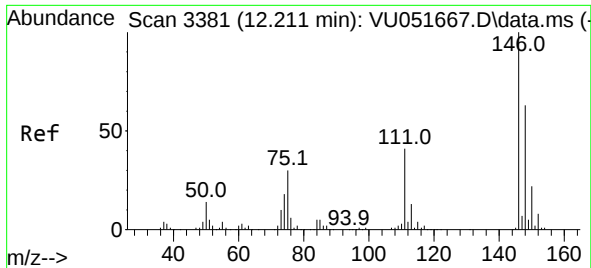
Tgt Ion:105 Resp: 26412
Ion Ratio Lower Upper
105 100
120 48.4 35.8 53.6



#65
1,4-Dichlorobenzene
Concen: 0.098 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU051674.D
Acq: 02 Nov 2022 00:27

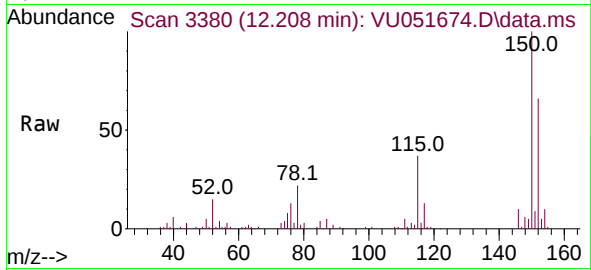
Tgt Ion:146 Resp: 3225
Ion Ratio Lower Upper
146 100
111 53.9 26.7 49.5#
148 77.7 43.5 80.9





#67
 1,2-Dichlorobenzene
 Concen: 0.131 ug/L
 RT: 12.208 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU051674.D
 Acq: 02 Nov 2022 00:27

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:146 Resp: 4182
 Ion Ratio Lower Upper
 146 100
 111 56.7 34.2 51.2#
 148 62.3 50.1 75.1

