

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110122\
 Data File : VU051669.D
 Acq On : 01 Nov 2022 22:20
 Operator : JC/MD
 Sample : N5319-03DL 25X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 02 04:06:33 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	181931	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	190293	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	88574	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	75068	5.479	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	109.600%
7) Chloroethane-d5	1.909	69	68936	4.824	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.400%
11) 1,1-Dichloroethene-d2	2.565	65	30711	6.176	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	123.600%
20) 2-Butanone-d5	4.620	46	182810	36.839	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	73.680%
24) Chloroform-d	5.060	84	144862	4.518	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.400%
26) 1,2-Dichloroethane-d4	5.700	65	75959	4.385	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.800%
32) Benzene-d6	5.726	84	293395	4.886	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.800%
36) 1,2-Dichloropropane-d6	6.687	67	97948	4.665	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.200%
41) Toluene-d8	7.896	98	231895	4.911	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.200%
43) trans-1,3-Dichloroprop...	8.179	79	29838	4.647	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.000%
46) 2-Hexanone-d5	8.629	63	139421	36.072	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	72.140%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	83527	4.341	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.800%
66) 1,2-Dichlorobenzene-d4	12.192	152	95606	5.881	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	117.600%
Target Compounds						
					Qvalue	
8) Chloroethane	1.932	64	2693	0.185	ug/L #	63
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	935	0.060	ug/L #	19
16) Methylene chloride	3.044	84	8504	0.328	ug/L	99
22) cis-1,2-Dichloroethene	4.661	96	2296	0.122	ug/L	83
27) 1,2-Dichloroethane	5.774	62	5457	0.273	ug/L #	75
33) Benzene	5.771	78	655979	8.735	ug/L	100
35) Methylcyclohexane	6.690	83	21971	0.877	ug/L #	20
37) 1,2-Dichloropropane	6.687	63	9913	0.513	ug/L #	89
42) Toluene	7.970	91	33272	0.431	ug/L	98
51) Chlorobenzene	9.446	112	149149	3.073	ug/L	99
52) Ethylbenzene	9.568	91	227832	3.062	ug/L	100
53) m,p-Xylene	9.690	106	195585	6.767	ug/L	100
54) o-Xylene	10.098	106	40339	1.428	ug/L	100
55) Styrene	10.102	104	3068	0.065	ug/L #	1
60) Isopropylbenzene	10.481	105	50712	0.784	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	8388	0.482	ug/L	92
63) 1,2,4-Trimethylbenzene	11.465	105	44966	0.896	ug/L	98
64) 1,3-Dichlorobenzene	11.748	146	3649	0.113	ug/L	90
65) 1,4-Dichlorobenzene	11.835	146	9926	0.308	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

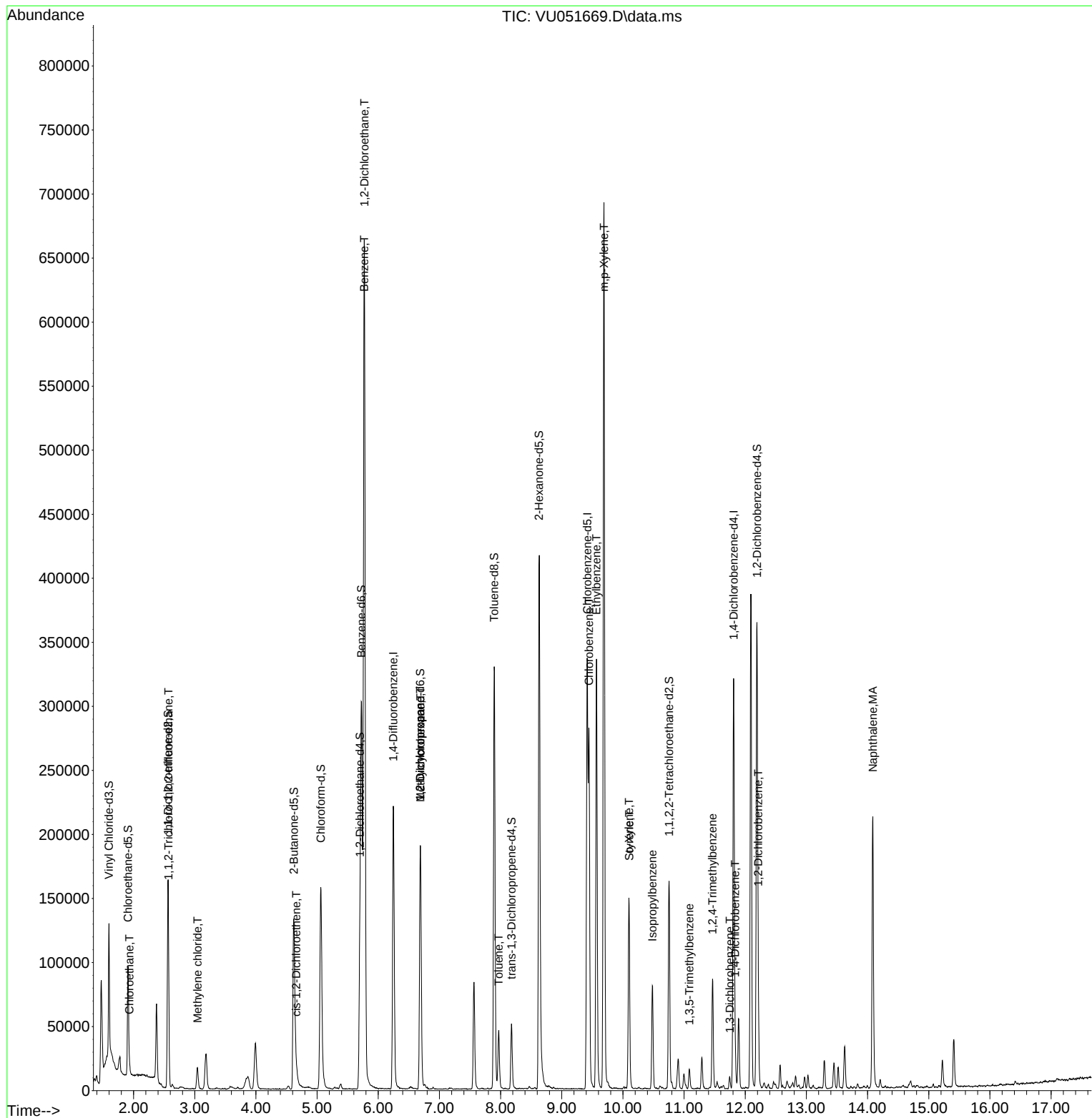
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	12.211	146	25299	0.807	ug/L	96
71) Naphthalene	14.085	128	182125	5.539	ug/L	99

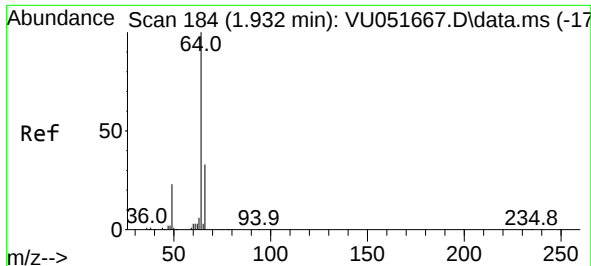
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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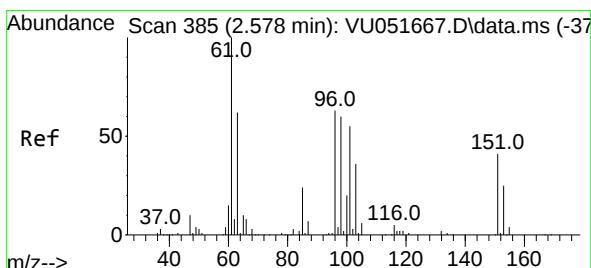
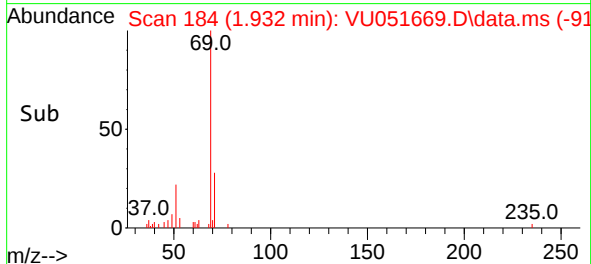
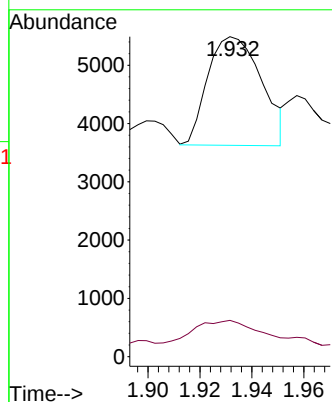
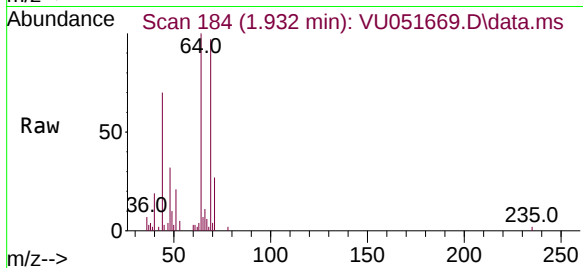




#8
Chloroethane
Concen: 0.185 ug/L
RT: 1.932 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU051669.D
Acq: 01 Nov 2022 22:20

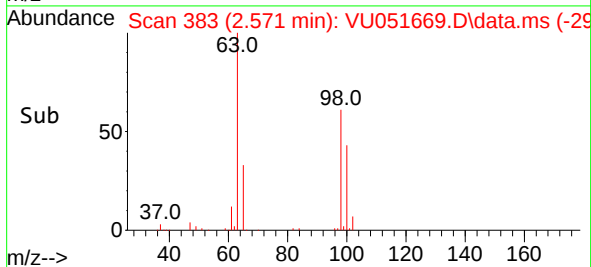
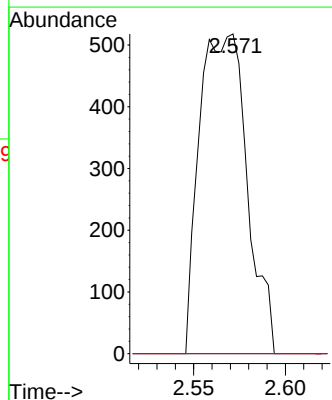
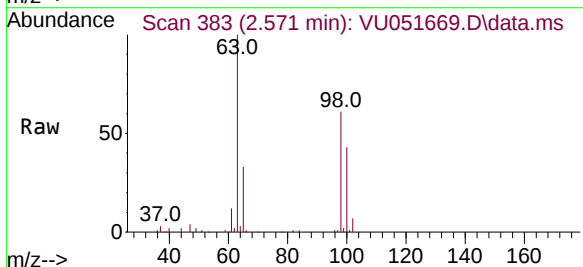
Instrument :
MSVOA_U
ClientSampleId :

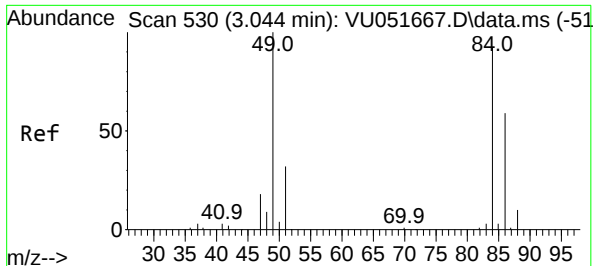
Tgt Ion: 64 Resp: 2693
Ion Ratio Lower Upper
64 100
66 11.3 22.3 41.5#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.060 ug/L
RT: 2.571 min Scan# 383
Delta R.T. -0.007 min
Lab File: VU051669.D
Acq: 01 Nov 2022 22:20

Tgt Ion:101 Resp: 935
Ion Ratio Lower Upper
101 100
85 0.0 35.6 53.4#
151 0.0 59.6 89.4#

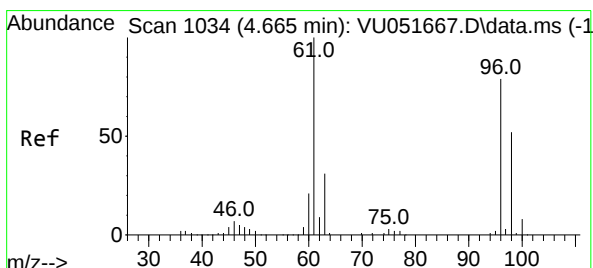
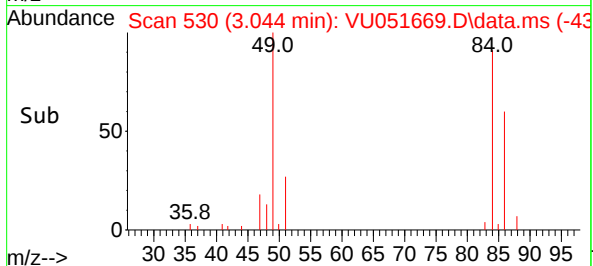
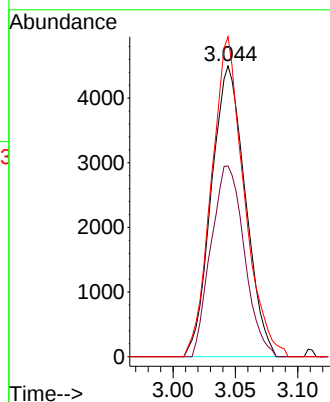
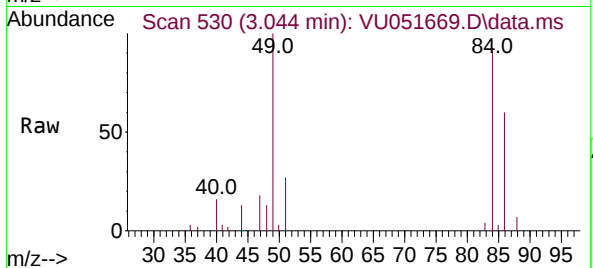




#16
Methylene chloride
Concen: 0.328 ug/L
RT: 3.044 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU051669.D
Acq: 01 Nov 2022 22:20

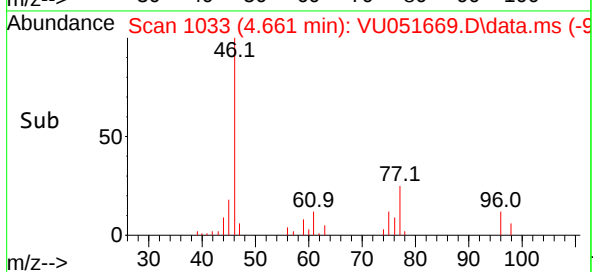
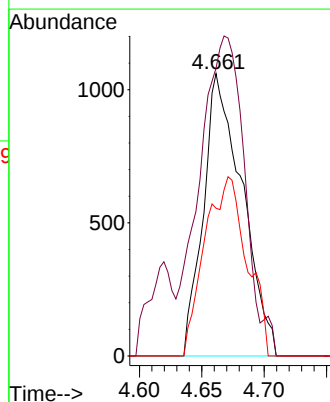
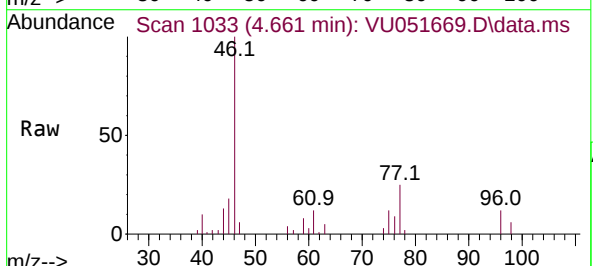
Instrument :
MSVOA_U
ClientSampleId :

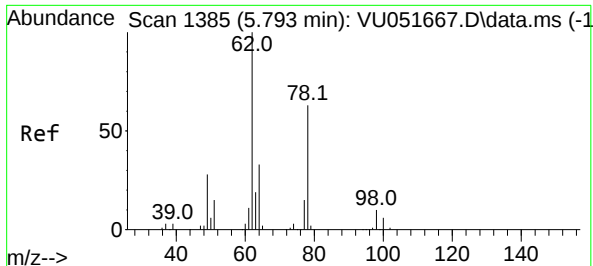
Tgt Ion: 84 Resp: 8504
Ion Ratio Lower Upper
84 100
86 65.6 46.3 85.9
49 110.1 76.0 141.2



#22
cis-1,2-Dichloroethene
Concen: 0.122 ug/L
RT: 4.661 min Scan# 1033
Delta R.T. -0.003 min
Lab File: VU051669.D
Acq: 01 Nov 2022 22:20

Tgt Ion: 96 Resp: 2296
Ion Ratio Lower Upper
96 100
61 101.9 86.4 160.4
98 52.3 44.2 82.2





#27

1,2-Dichloroethane

Concen: 0.273 ug/L

RT: 5.774 min Scan# 1379

Delta R.T. -0.019 min

Lab File: VU051669.D

Acq: 01 Nov 2022 22:20

Instrument :

MSVOA_U

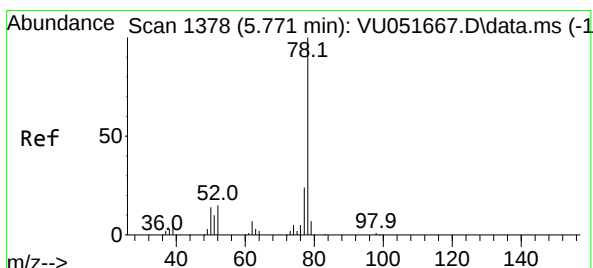
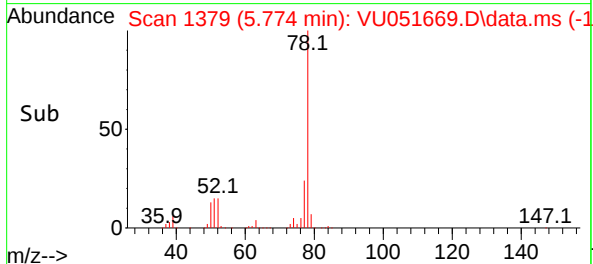
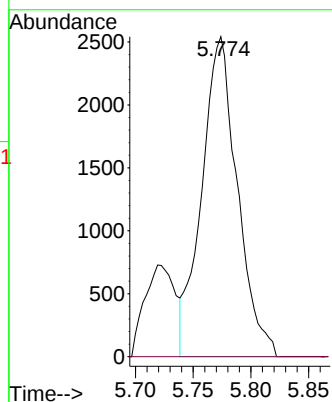
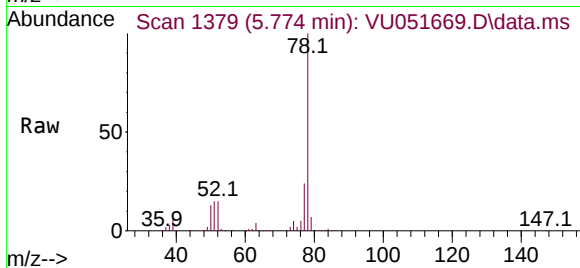
ClientSampleId :

Tgt Ion: 62 Resp: 5457

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.0#



#33

Benzene

Concen: 8.735 ug/L

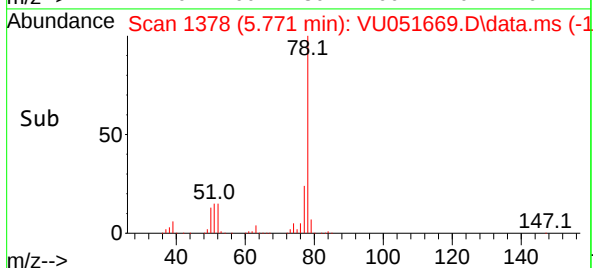
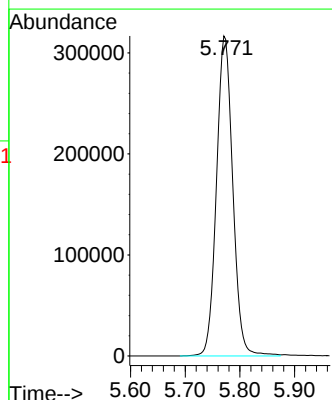
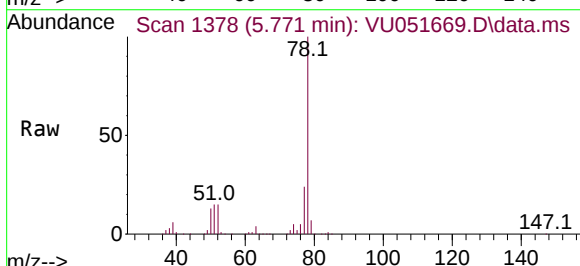
RT: 5.771 min Scan# 1378

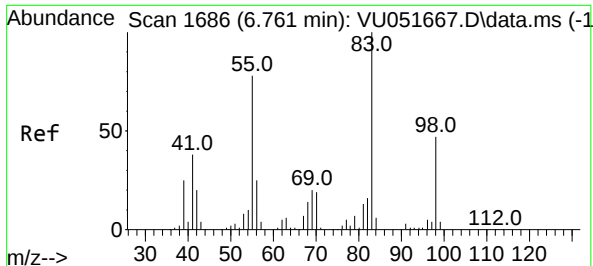
Delta R.T. -0.000 min

Lab File: VU051669.D

Acq: 01 Nov 2022 22:20

Tgt Ion: 78 Resp: 655979

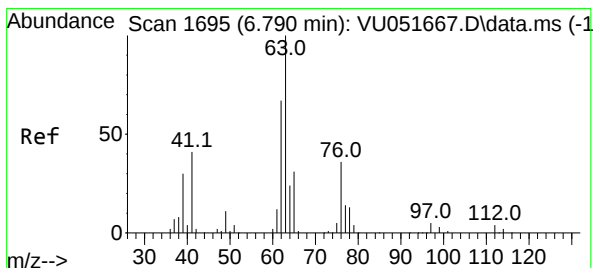
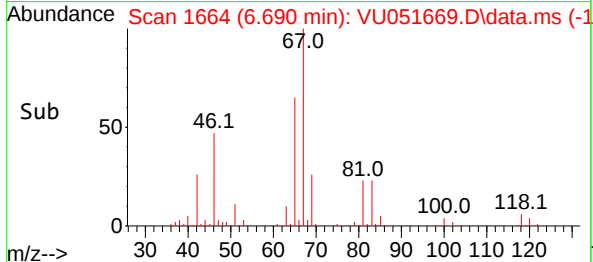
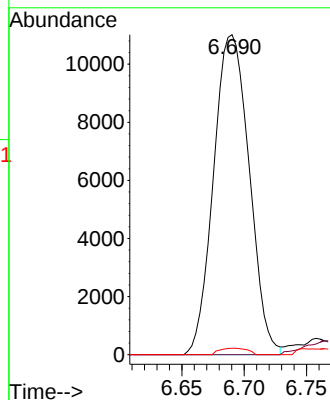
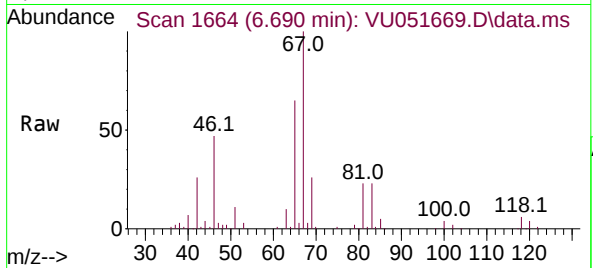




#35
Methylcyclohexane
Concen: 0.877 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.071 min
Lab File: VU051669.D
Acq: 01 Nov 2022 22:20

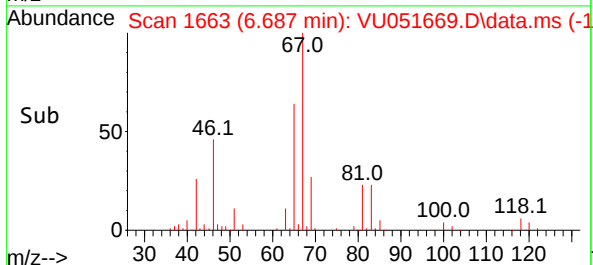
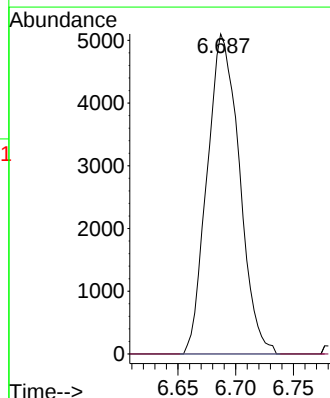
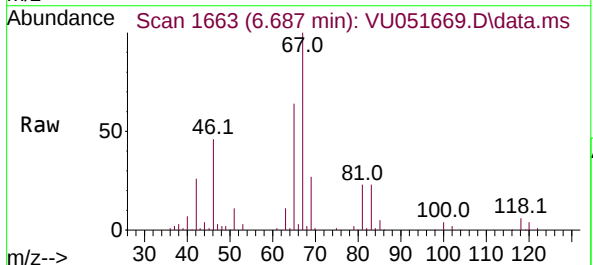
Instrument :
MSVOA_U
ClientSampleId :

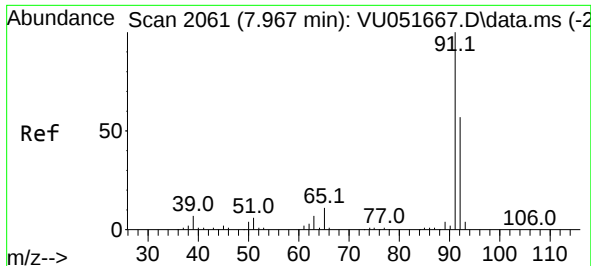
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.0	60.6	90.8#
98	1.6	35.8	53.6#



#37
1,2-Dichloropropane
Concen: 0.513 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.103 min
Lab File: VU051669.D
Acq: 01 Nov 2022 22:20

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





#42

Toluene

Concen: 0.431 ug/L

RT: 7.970 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU051669.D

Acq: 01 Nov 2022 22:20

Instrument :

MSVOA_U

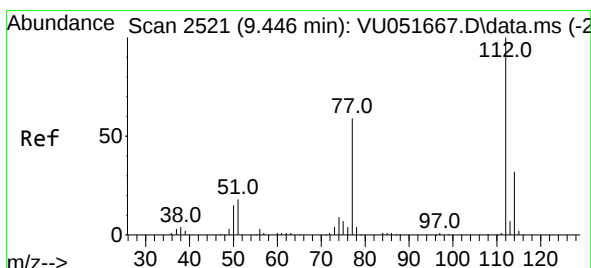
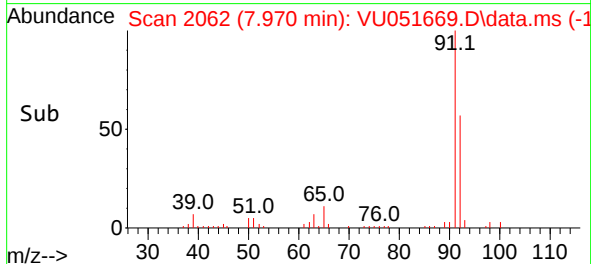
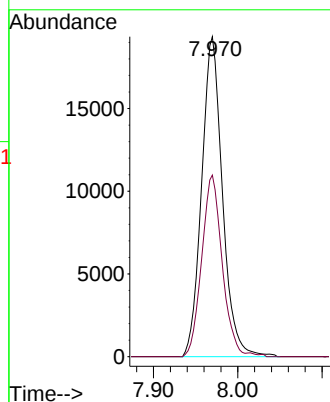
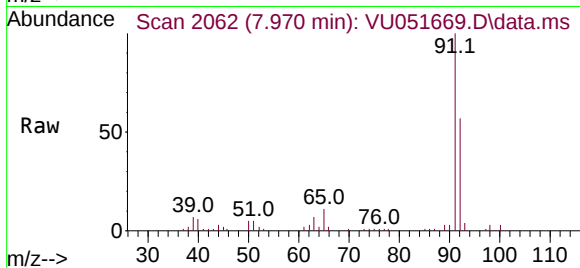
ClientSampleId :

Tgt Ion: 91 Resp: 33272

Ion Ratio Lower Upper

91 100

92 56.7 40.5 75.3



#51

Chlorobenzene

Concen: 3.073 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.000 min

Lab File: VU051669.D

Acq: 01 Nov 2022 22:20

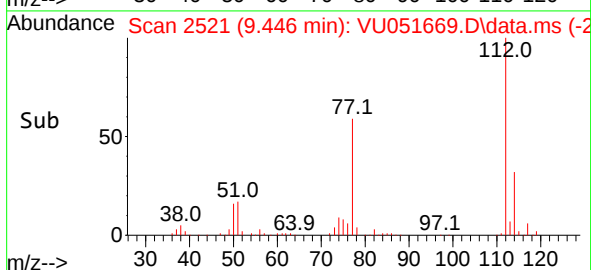
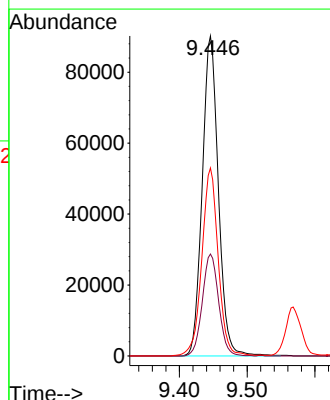
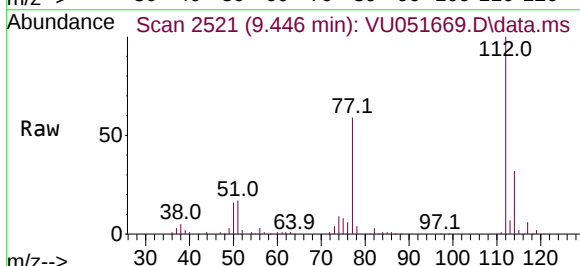
Tgt Ion: 112 Resp: 149149

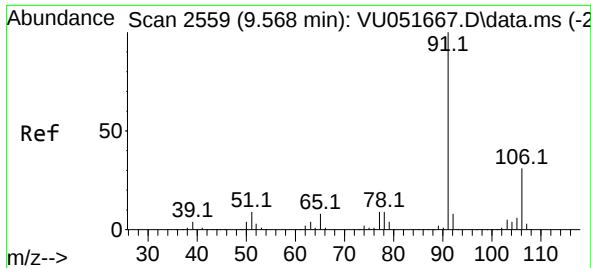
Ion Ratio Lower Upper

112 100

114 31.9 22.0 40.8

77 58.7 46.7 70.1

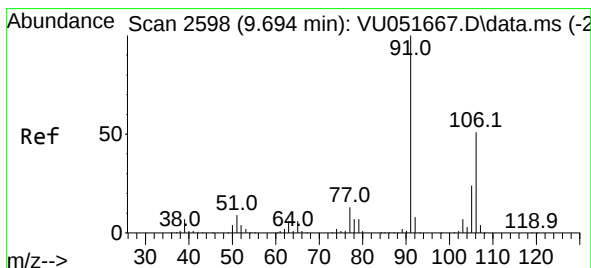
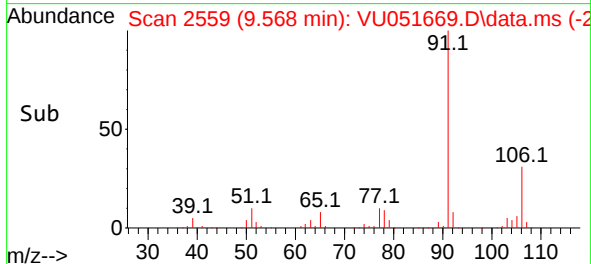
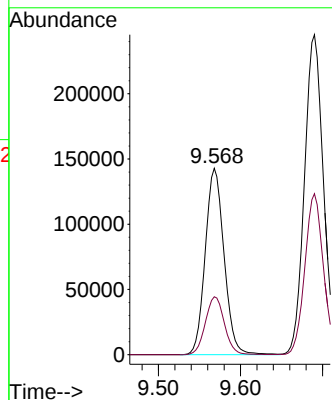
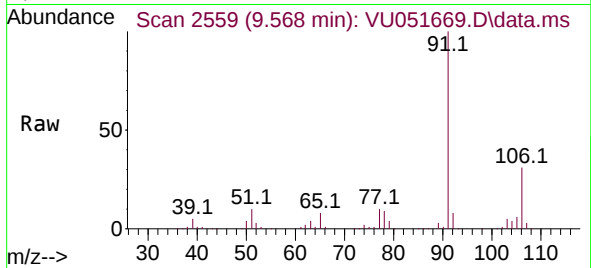




#52
Ethylbenzene
Concen: 3.062 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU051669.D
Acq: 01 Nov 2022 22:20

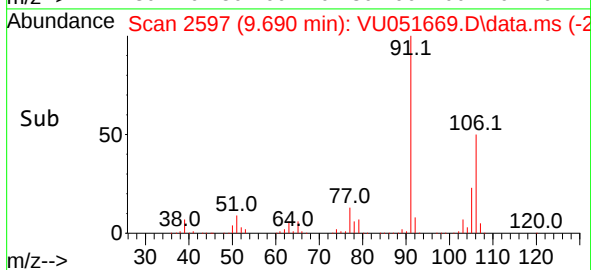
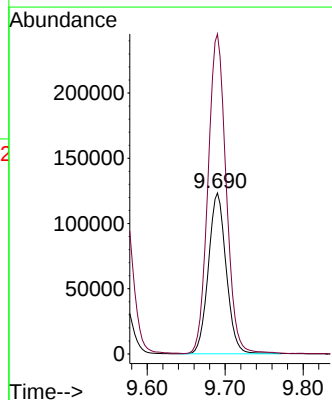
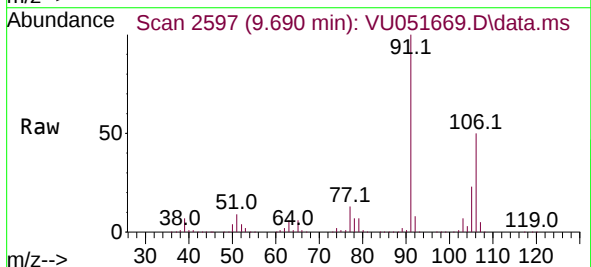
Instrument :
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ClientSampleId :

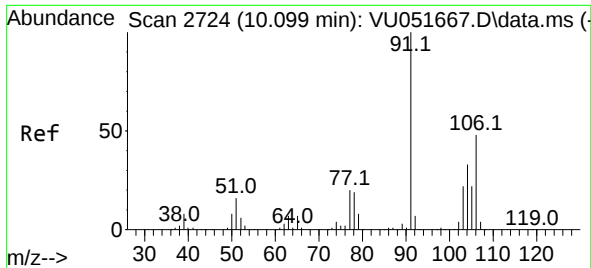
Tgt Ion: 91 Resp: 227832
Ion Ratio Lower Upper
91 100
106 31.1 21.8 40.6



#53
m,p-Xylene
Concen: 6.767 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU051669.D
Acq: 01 Nov 2022 22:20

Tgt Ion: 106 Resp: 195585
Ion Ratio Lower Upper
106 100
91 198.8 139.4 259.0

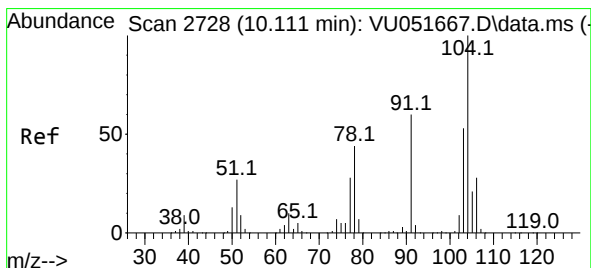
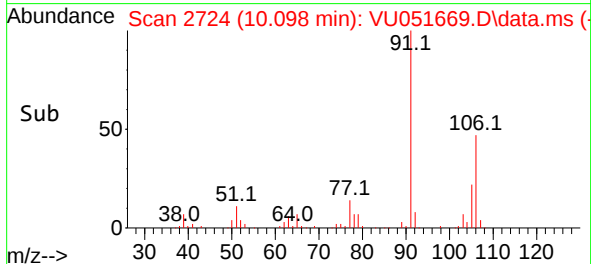
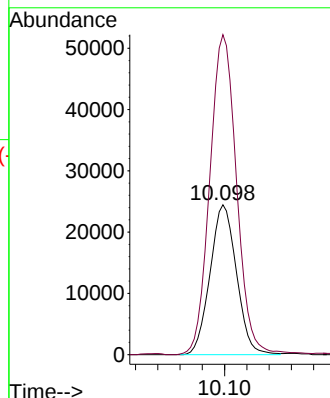
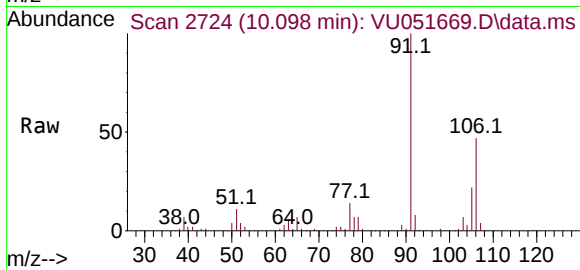




#54
o-Xylene
Concen: 1.428 ug/L
RT: 10.098 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051669.D
Acq: 01 Nov 2022 22:20

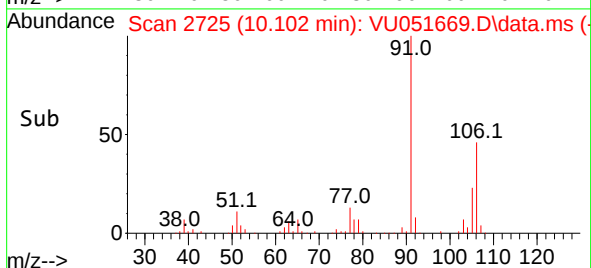
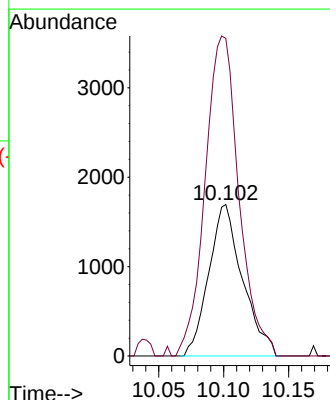
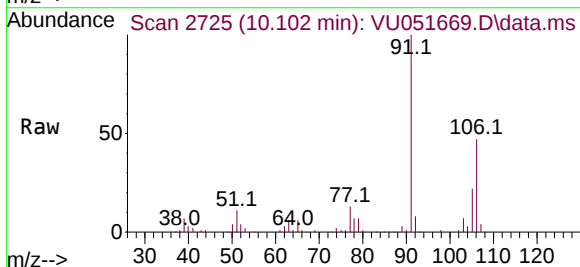
Instrument :
MSVOA_U
ClientSampleId :

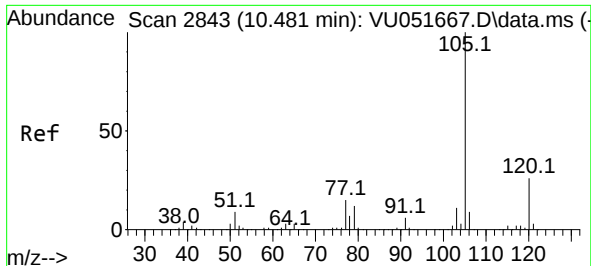
Tgt Ion:106 Resp: 40339
Ion Ratio Lower Upper
106 100
91 213.4 149.2 277.2



#55
Styrene
Concen: 0.065 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.010 min
Lab File: VU051669.D
Acq: 01 Nov 2022 22:20

Tgt Ion:104 Resp: 3068
Ion Ratio Lower Upper
104 100
78 209.7 31.8 59.0#

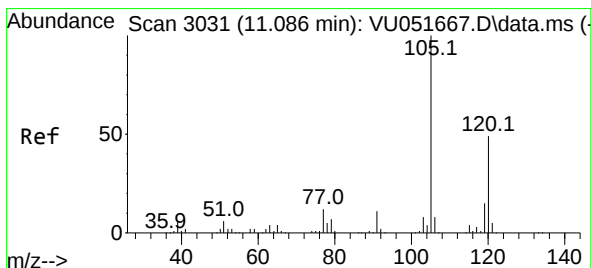
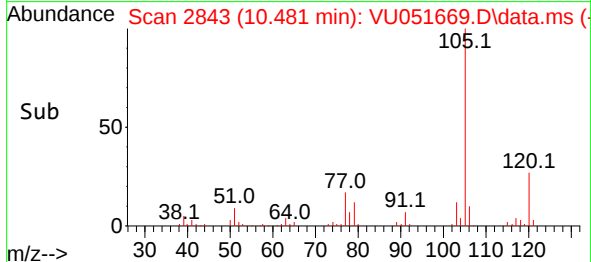
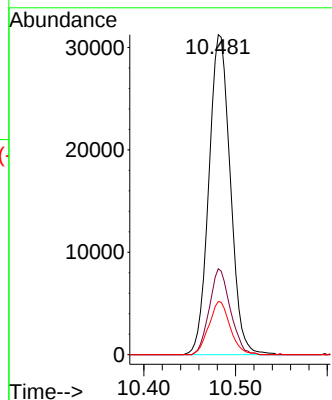
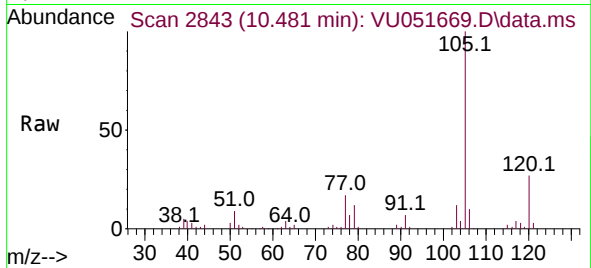




#60
Isopropylbenzene
Concen: 0.784 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU051669.D
Acq: 01 Nov 2022 22:20

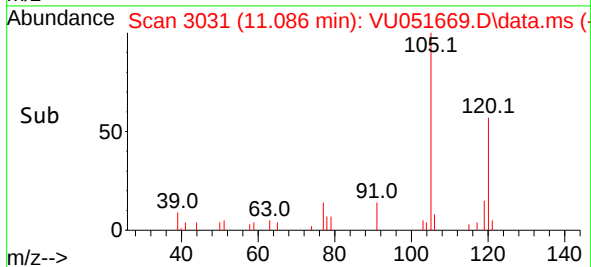
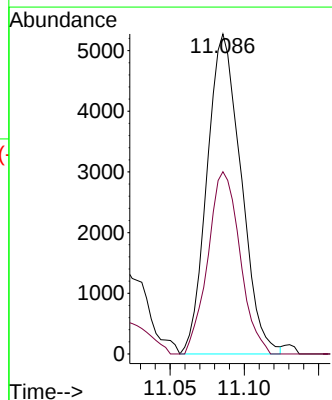
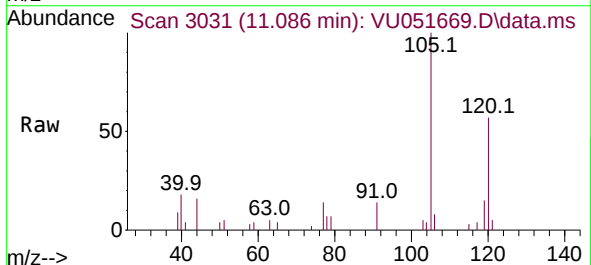
Instrument :
MSVOA_U
ClientSampleId :

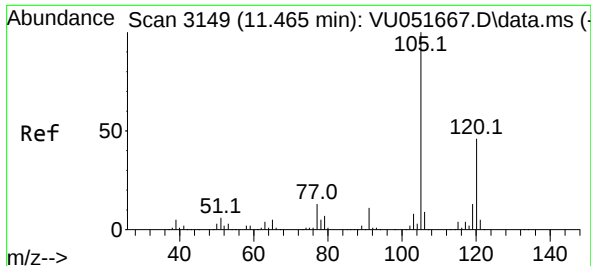
Tgt Ion:105 Resp: 50712
Ion Ratio Lower Upper
105 100
120 26.3 20.9 31.3
77 16.5 12.3 18.5



#62
1,3,5-Trimethylbenzene
Concen: 0.482 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. -0.000 min
Lab File: VU051669.D
Acq: 01 Nov 2022 22:20

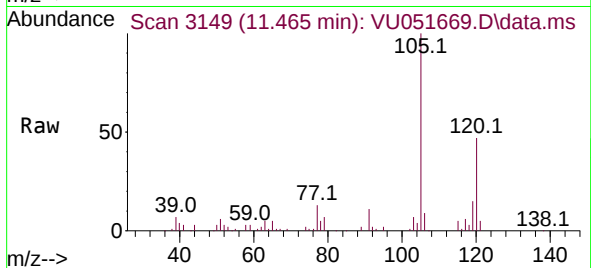
Tgt Ion:105 Resp: 8388
Ion Ratio Lower Upper
105 100
120 53.7 38.6 57.8



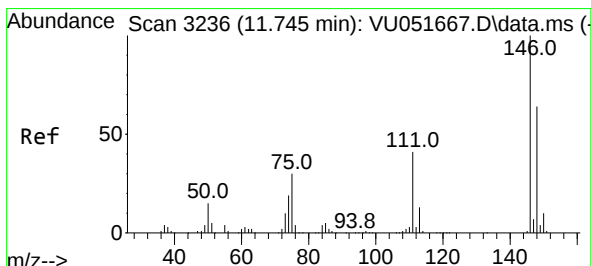
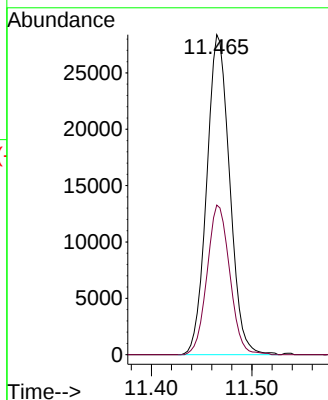
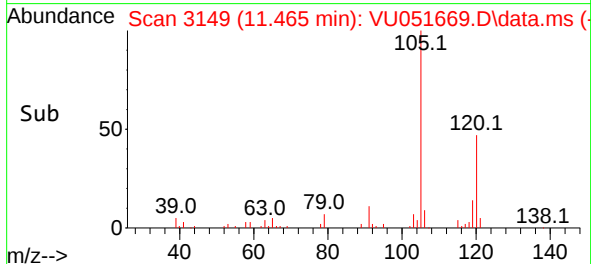


#63
1,2,4-Trimethylbenzene
Concen: 0.896 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. -0.000 min
Lab File: VU051669.D
Acq: 01 Nov 2022 22:20

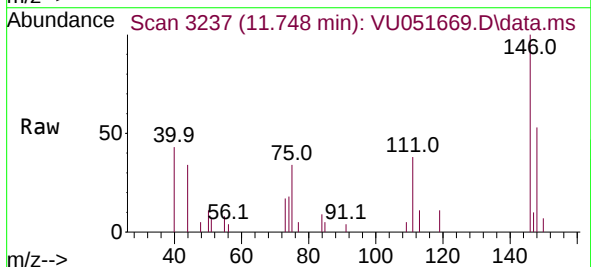
Instrument :
MSVOA_U
ClientSampleId :



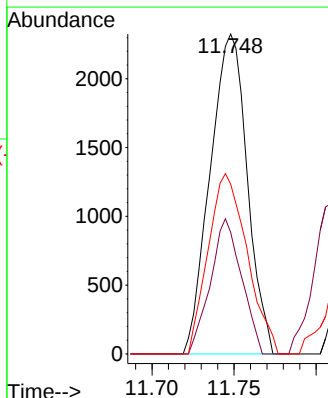
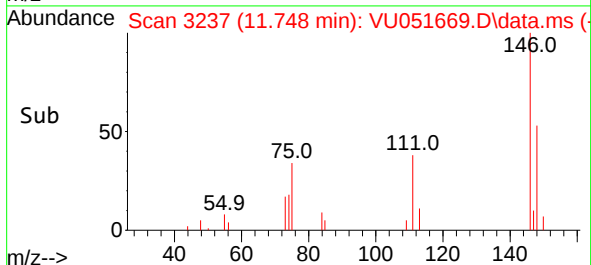
Tgt Ion:105 Resp: 44966
Ion Ratio Lower Upper
105 100
120 46.2 35.8 53.6

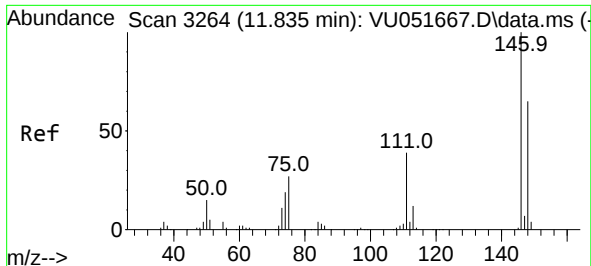


#64
1,3-Dichlorobenzene
Concen: 0.113 ug/L
RT: 11.748 min Scan# 3237
Delta R.T. 0.003 min
Lab File: VU051669.D
Acq: 01 Nov 2022 22:20



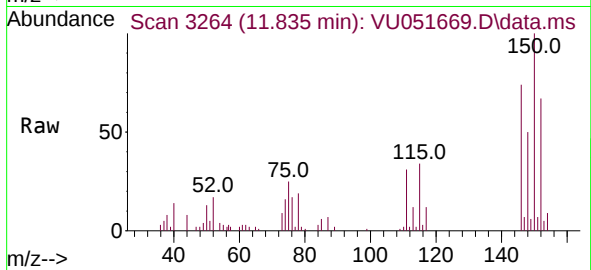
Tgt Ion:146 Resp: 3649
Ion Ratio Lower Upper
146 100
111 38.0 28.6 53.2
148 53.0 44.7 82.9



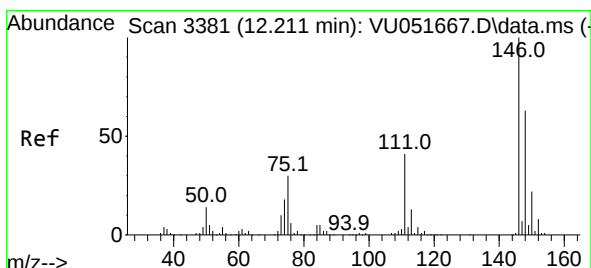
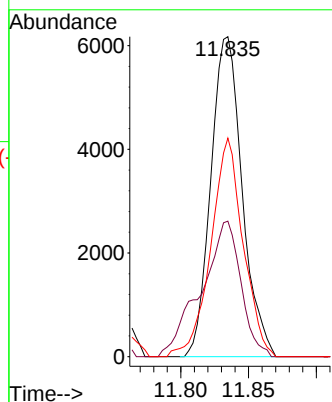
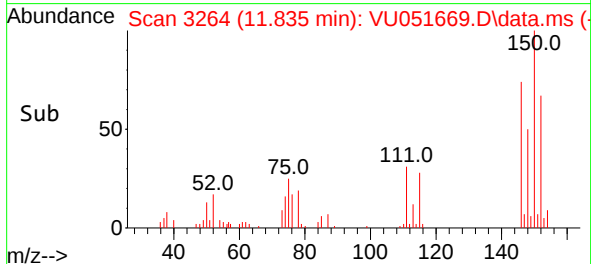


#65
1,4-Dichlorobenzene
Concen: 0.308 ug/L
RT: 11.835 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU051669.D
Acq: 01 Nov 2022 22:20

Instrument :
MSVOA_U
ClientSampleId :

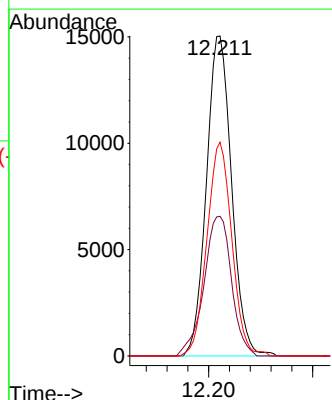
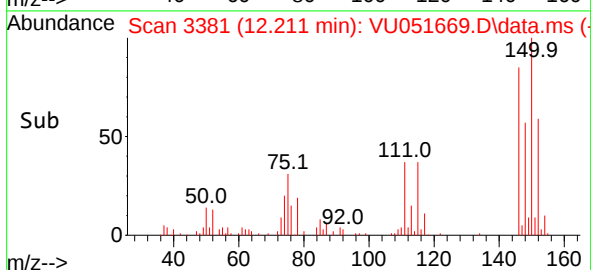
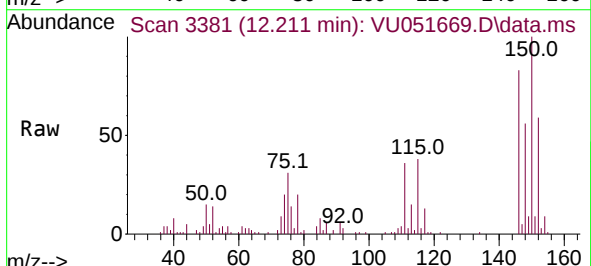


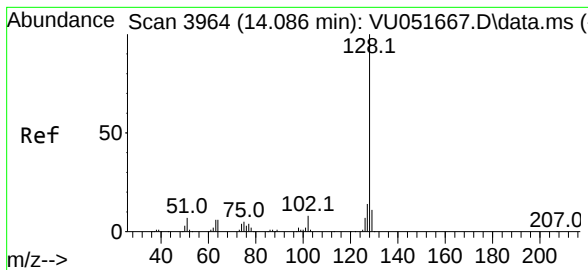
Tgt Ion:146 Resp: 9926
Ion Ratio Lower Upper
146 100
111 42.3 26.7 49.5
148 68.3 43.5 80.9



#67
1,2-Dichlorobenzene
Concen: 0.807 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. -0.000 min
Lab File: VU051669.D
Acq: 01 Nov 2022 22:20

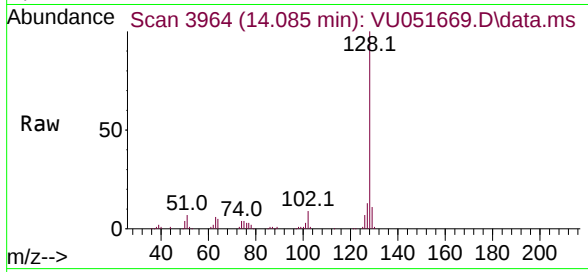
Tgt Ion:146 Resp: 25299
Ion Ratio Lower Upper
146 100
111 43.7 34.2 51.2
148 66.8 50.1 75.1





#71
Naphthalene
Concen: 5.539 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU051669.D
Acq: 01 Nov 2022 22:20

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 182125
Ion Ratio Lower Upper
128 100
129 11.0 8.4 12.6
127 13.0 10.3 15.5

