

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110322\
 Data File : VU051738.D
 Acq On : 03 Nov 2022 17:01
 Operator : JC/MD
 Sample : N5319-09DL2 200X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHAA2DL2

Quant Time: Nov 04 00:52:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 04 00:49:19 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	193188	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	205682	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	99008	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	60009	4.124	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.400%
7) Chloroethane-d5	1.913	69	56795	3.743	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.800%
11) 1,1-Dichloroethene-d2	2.565	65	25101	4.753	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.000%
20) 2-Butanone-d5	4.620	46	173828	32.988	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	65.980%
24) Chloroform-d	5.060	84	133638	3.925	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.600%
26) 1,2-Dichloroethane-d4	5.700	65	67614	3.676	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.600%
32) Benzene-d6	5.726	84	248053	3.822	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.400%
36) 1,2-Dichloropropane-d6	6.687	67	87508	3.856	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	77.200%
41) Toluene-d8	7.896	98	194186	3.804	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.000%
43) trans-1,3-Dichloroprop...	8.179	79	27747	3.998	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.000%
46) 2-Hexanone-d5	8.629	63	141336	33.832	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	67.660%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	77471	3.725	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	74.400%
66) 1,2-Dichlorobenzene-d4	12.192	152	81771	4.500	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.000%
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	5232	0.205	ug/L #	1
8) Chloroethane	1.932	64	5178	0.334	ug/L #	59
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	930	0.056	ug/L #	35
14) Carbon disulfide	2.793	76	10912	0.202	ug/L	99
16) Methylene chloride	3.044	84	15502	0.564	ug/L	95
22) cis-1,2-Dichloroethene	4.665	96	28746	1.441	ug/L	99
27) 1,2-Dichloroethane	5.768	62	3825	0.180	ug/L #	75
33) Benzene	5.771	78	406646	5.010	ug/L	100
37) 1,2-Dichloropropane	6.690	63	8837	0.423	ug/L #	88
42) Toluene	7.967	91	671878	8.060	ug/L	98
51) Chlorobenzene	9.443	112	17365	0.331	ug/L	97
52) Ethylbenzene	9.568	91	57549	0.716	ug/L	98
53) m,p-Xylene	9.690	106	43100	1.380	ug/L	99
54) o-Xylene	10.099	106	13121	0.430	ug/L	89
60) Isopropylbenzene	10.485	105	13188	0.182	ug/L	98
61) 1,2,3-Trichloropropane	11.809	75	11956	0.934	ug/L #	70
62) 1,3,5-Trimethylbenzene	11.089	105	2372	0.122	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	8270	0.147	ug/L	93

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QLast Update : Fri Nov 04 00:49:19 2022
Response via : Initial Calibration

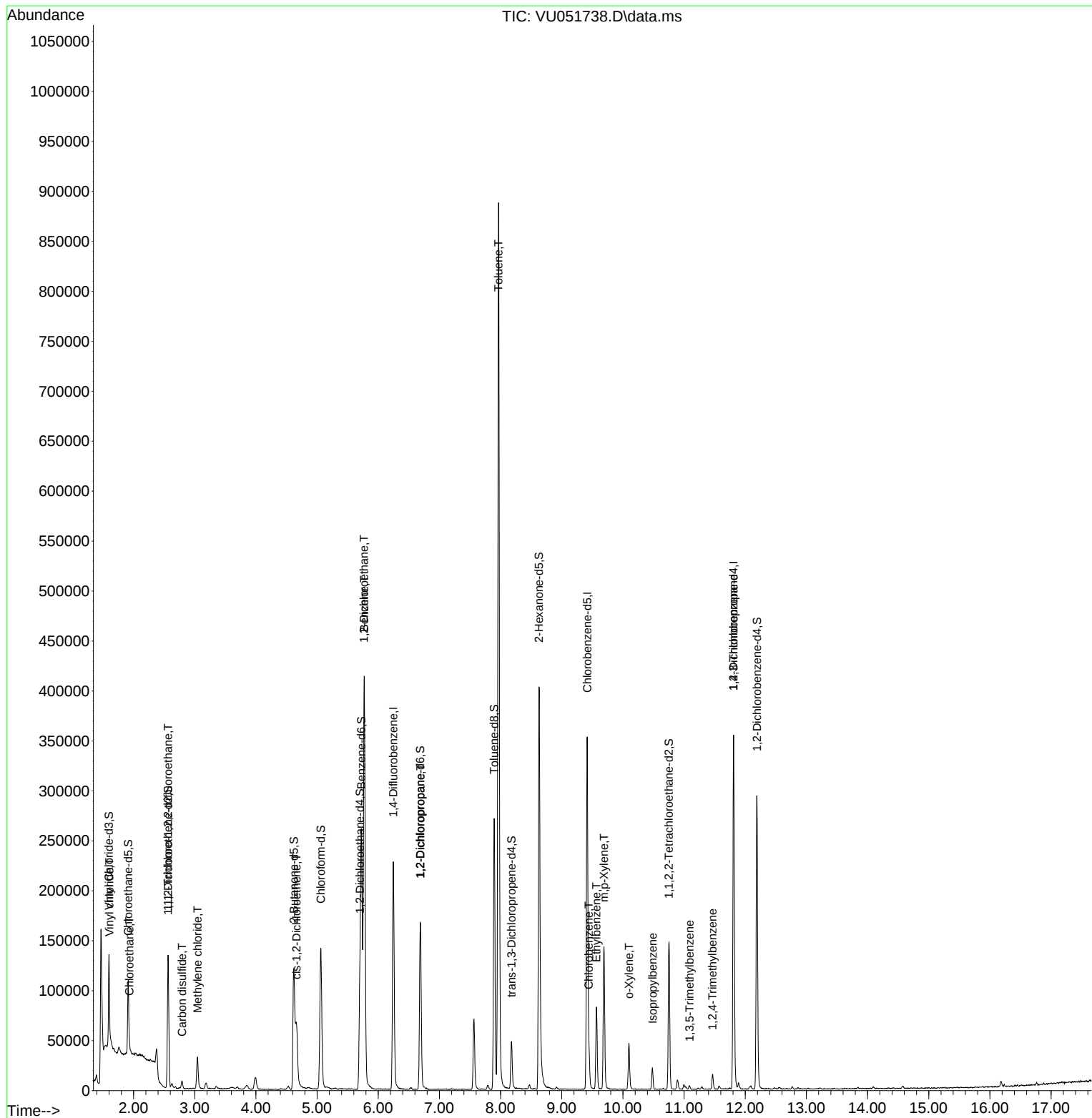
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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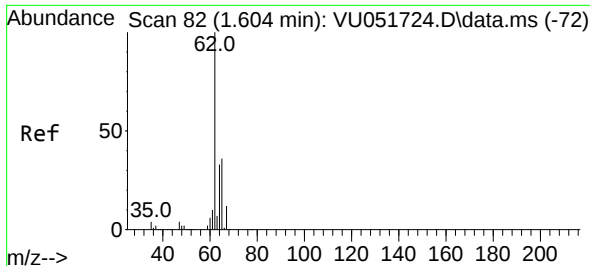
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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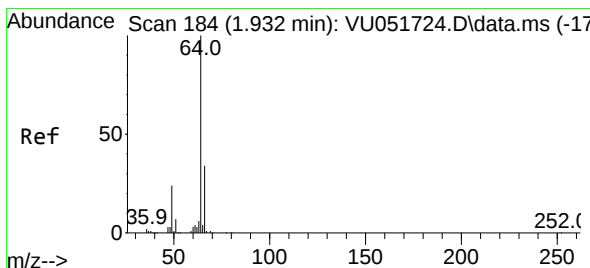
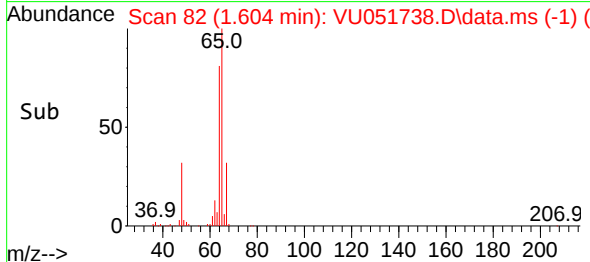
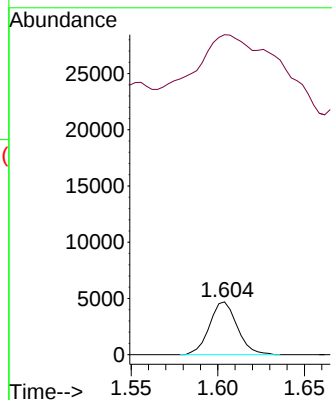
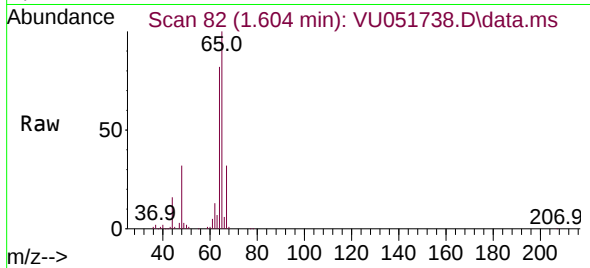




#5
 Vinyl chloride
 Concen: 0.205 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: VU051738.D
 Acq: 03 Nov 2022 17:01

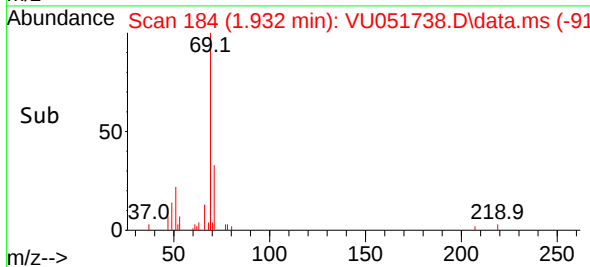
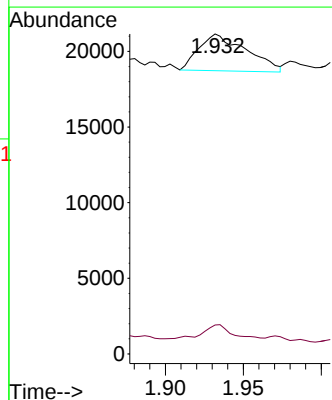
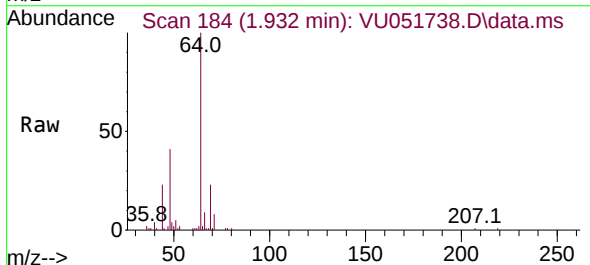
Instrument :
 MSVOA_U
 ClientSampleId :
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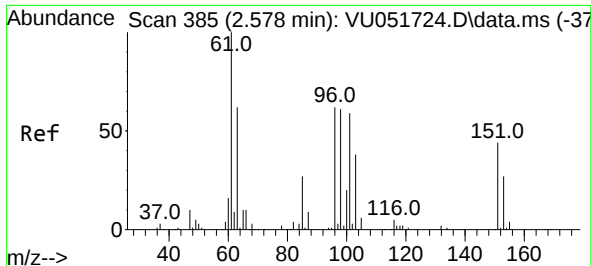
Tgt Ion: 62 Resp: 5232
 Ion Ratio Lower Upper
 62 100
 64 606.7 22.1 41.1#



#8
 Chloroethane
 Concen: 0.334 ug/L
 RT: 1.932 min Scan# 184
 Delta R.T. 0.000 min
 Lab File: VU051738.D
 Acq: 03 Nov 2022 17:01

Tgt Ion: 64 Resp: 5178
 Ion Ratio Lower Upper
 64 100
 66 9.1 22.3 41.5#

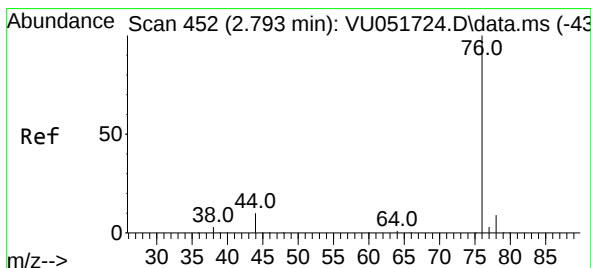
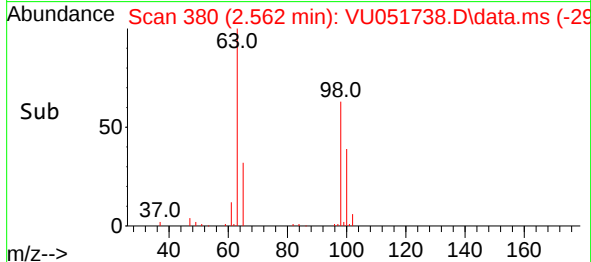
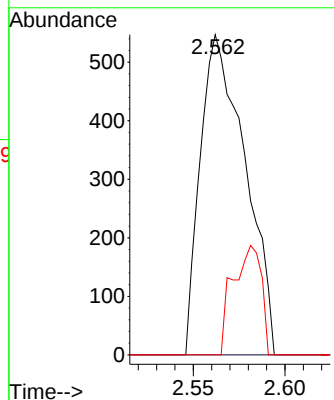
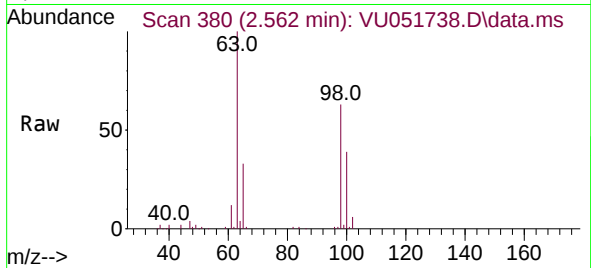




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.056 ug/L
RT: 2.562 min Scan# 31
Delta R.T. -0.016 min
Lab File: VU051738.D
Acq: 03 Nov 2022 17:01

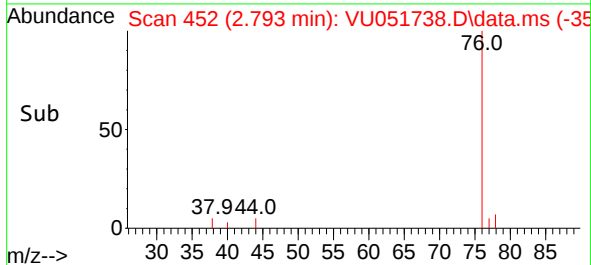
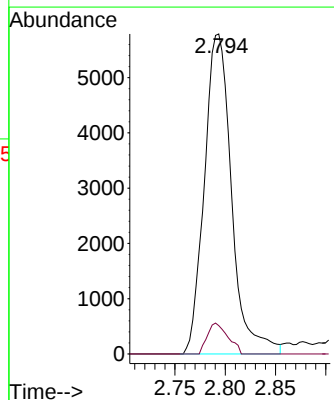
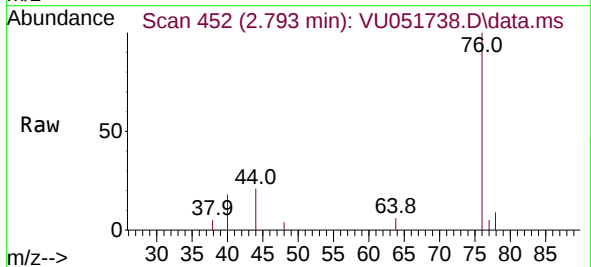
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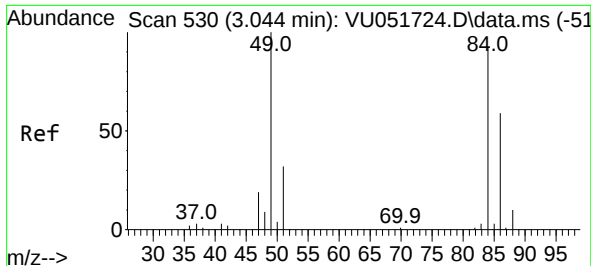
Tgt Ion:101 Resp: 930
Ion Ratio Lower Upper
101 100
85 0.0 35.6 53.4#
151 21.6 59.6 89.4#



#14
Carbon disulfide
Concen: 0.202 ug/L
RT: 2.793 min Scan# 452
Delta R.T. 0.000 min
Lab File: VU051738.D
Acq: 03 Nov 2022 17:01

Tgt Ion: 76 Resp: 10912
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.2

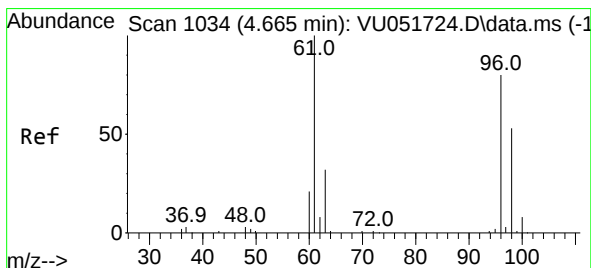
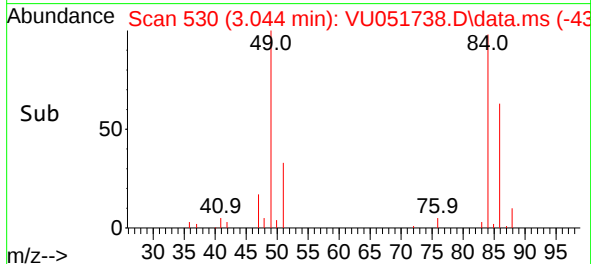
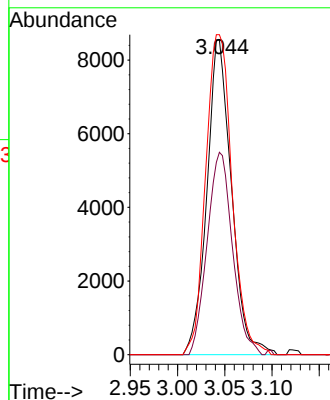
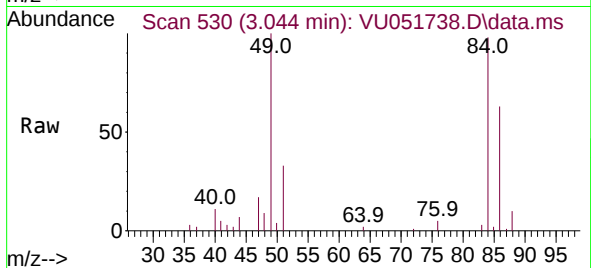




#16
Methylene chloride
Concen: 0.564 ug/L
RT: 3.044 min Scan# 51
Delta R.T. 0.000 min
Lab File: VU051738.D
Acq: 03 Nov 2022 17:01

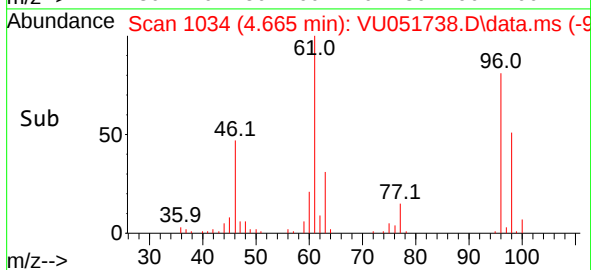
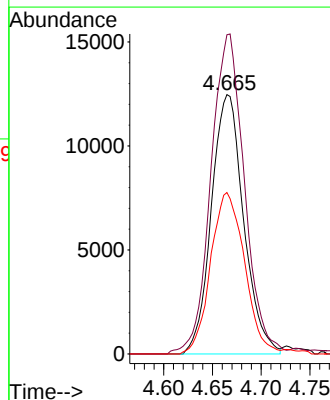
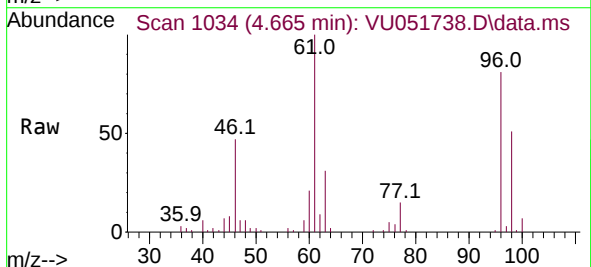
Instrument :
MSVOA_U
ClientSampleId :
BHAA2DL2

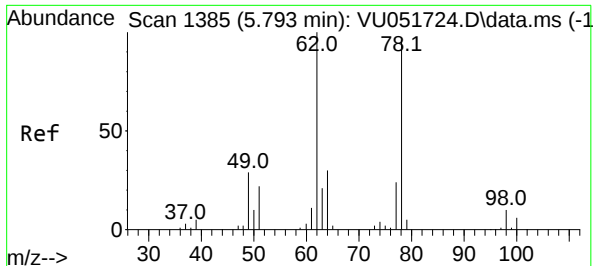
Tgt Ion: 84 Resp: 15502
Ion Ratio Lower Upper
84 100
86 64.3 46.3 85.9
49 101.7 76.0 141.2



#22
cis-1,2-Dichloroethene
Concen: 1.441 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU051738.D
Acq: 03 Nov 2022 17:01

Tgt Ion: 96 Resp: 28746
Ion Ratio Lower Upper
96 100
61 123.1 86.4 160.4
98 62.3 44.2 82.2

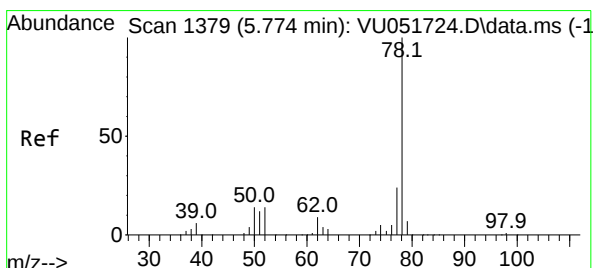
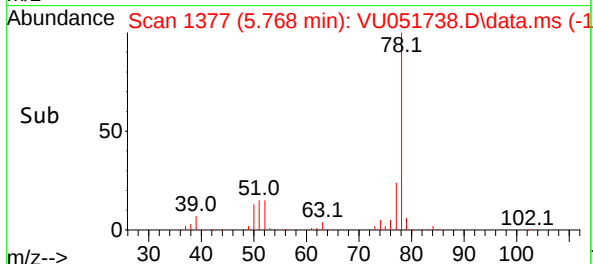
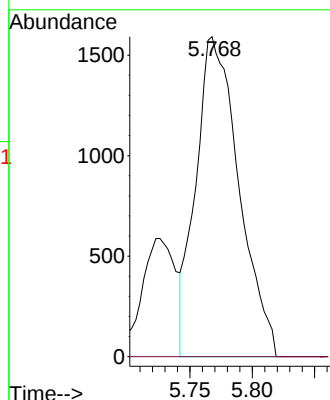
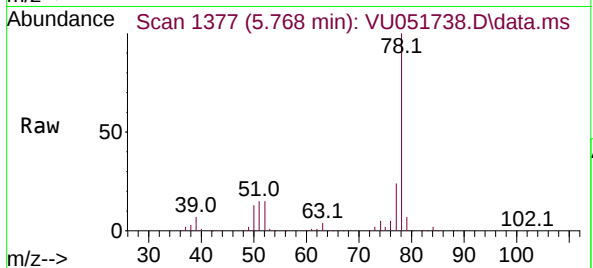




#27
1,2-Dichloroethane
Concen: 0.180 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.025 min
Lab File: VU051738.D
Acq: 03 Nov 2022 17:01

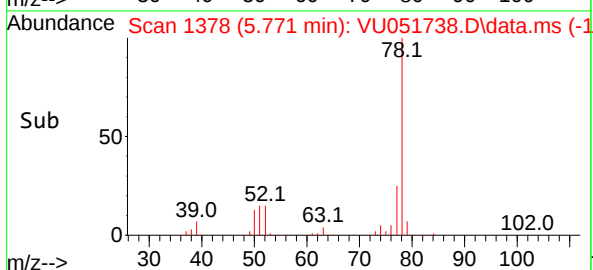
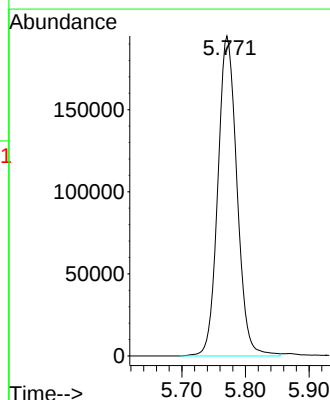
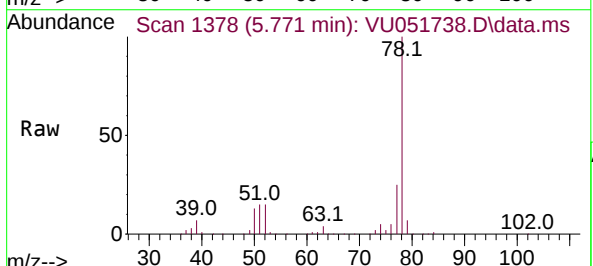
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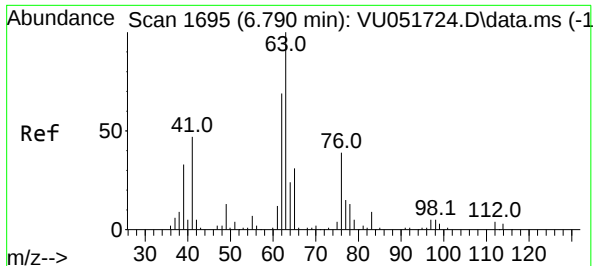
Tgt Ion: 62 Resp: 3825
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.0#



#33
Benzene
Concen: 5.010 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VU051738.D
Acq: 03 Nov 2022 17:01

Tgt Ion: 78 Resp: 406646





#37

1,2-Dichloropropane

Concen: 0.423 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.099 min

Lab File: VU051738.D

Acq: 03 Nov 2022 17:01

Instrument :

MSVOA_U

ClientSampleId :

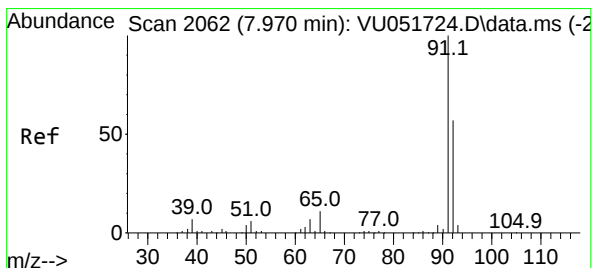
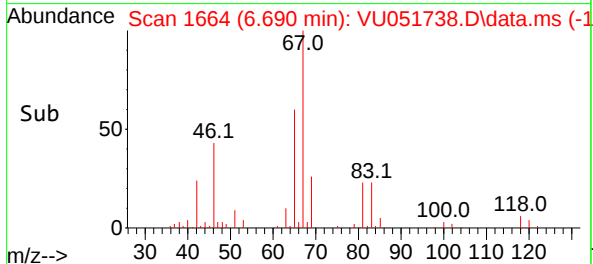
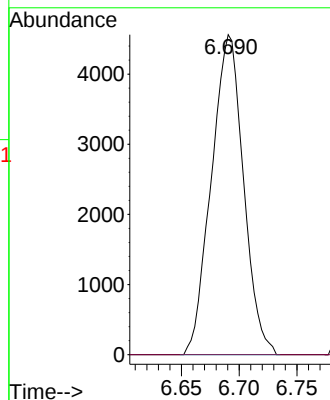
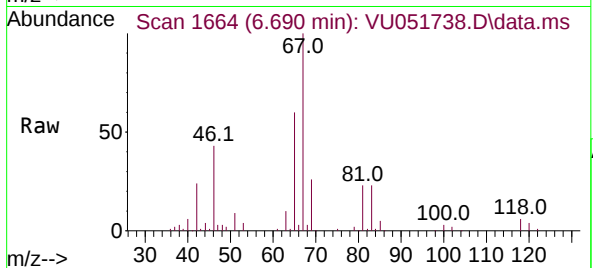
BHAA2DL2

Tgt Ion: 63 Resp: 8837

Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#



#42

Toluene

Concen: 8.060 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.003 min

Lab File: VU051738.D

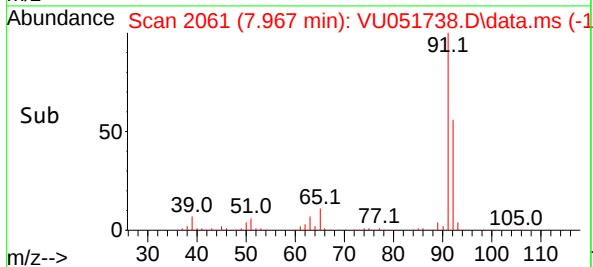
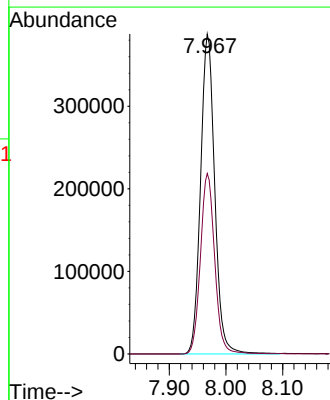
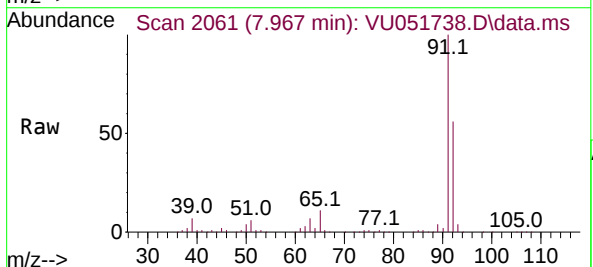
Acq: 03 Nov 2022 17:01

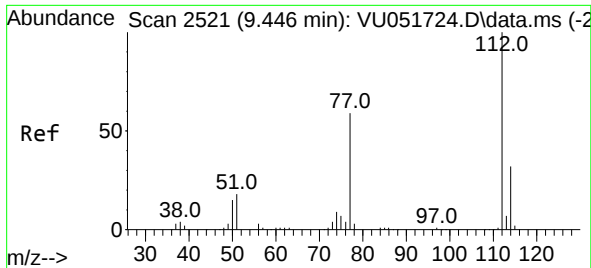
Tgt Ion: 91 Resp: 671878

Ion Ratio Lower Upper

91 100

92 56.4 40.5 75.3

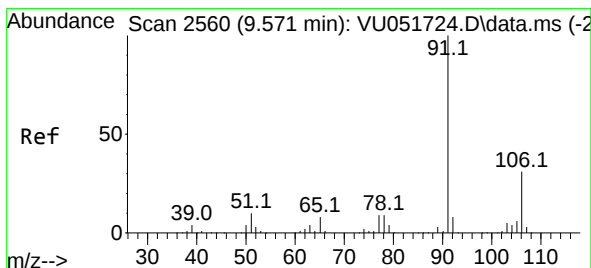
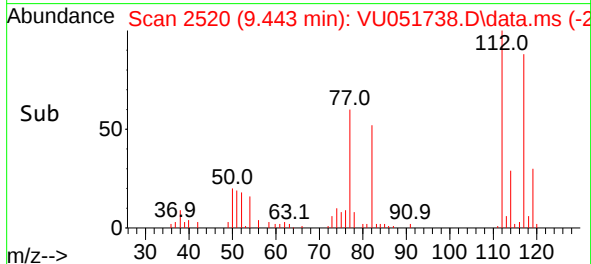
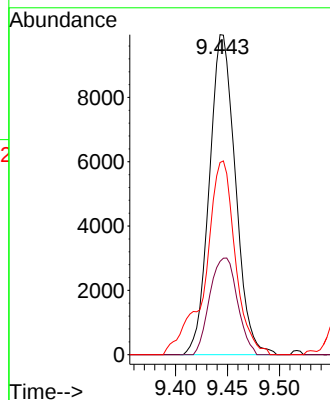
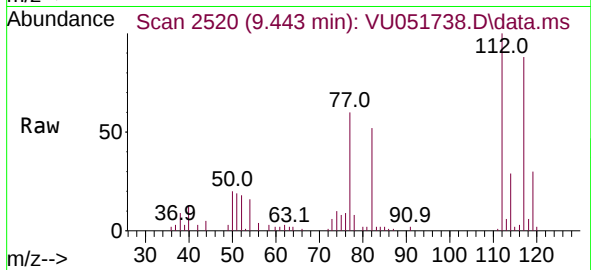




#51
Chlorobenzene
Concen: 0.331 ug/L
RT: 9.443 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU051738.D
Acq: 03 Nov 2022 17:01

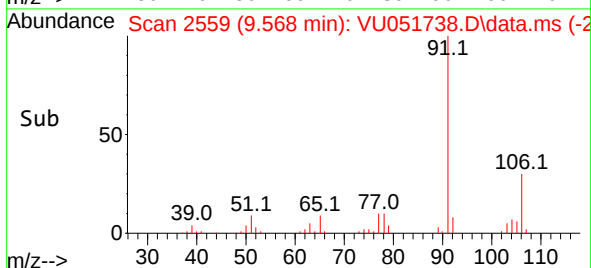
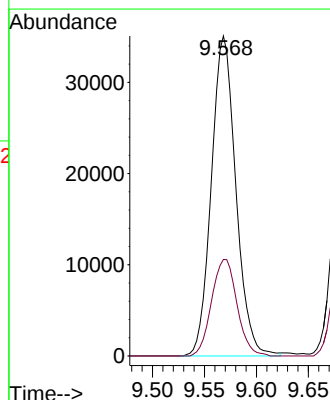
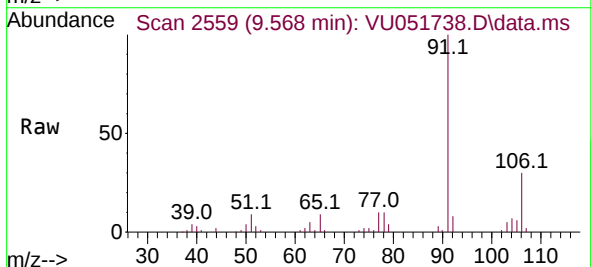
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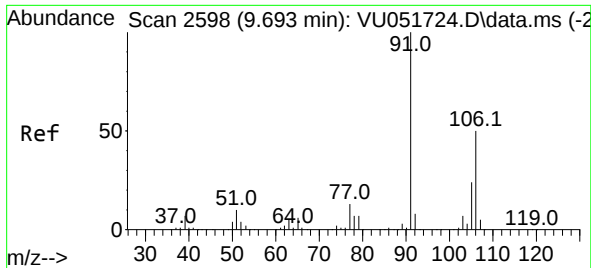
Tgt Ion:112 Resp: 17365
Ion Ratio Lower Upper
112 100
114 29.2 22.0 40.8
77 60.0 46.7 70.1



#52
Ethylbenzene
Concen: 0.716 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.003 min
Lab File: VU051738.D
Acq: 03 Nov 2022 17:01

Tgt Ion: 91 Resp: 57549
Ion Ratio Lower Upper
91 100
106 30.1 21.8 40.6

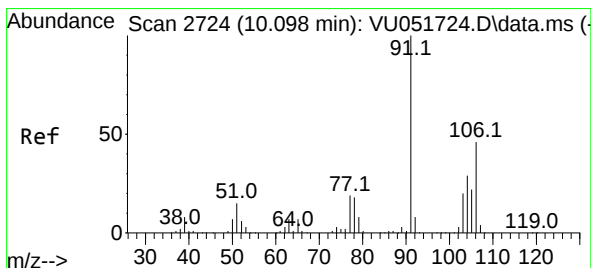
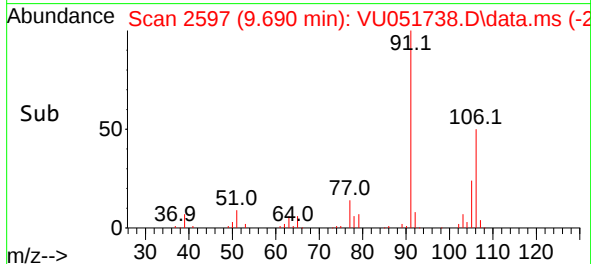
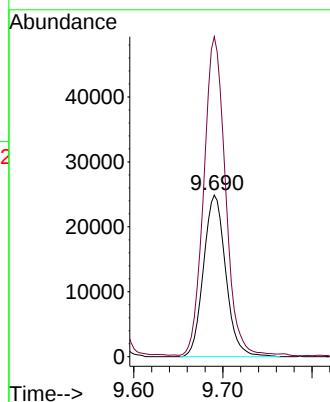
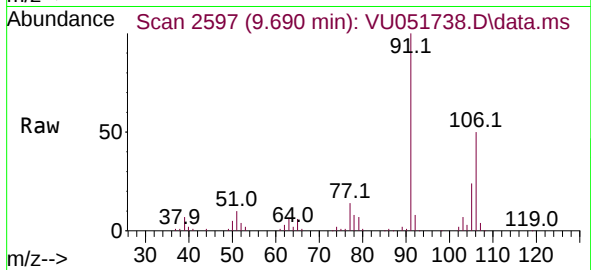




#53
m,p-Xylene
Concen: 1.380 ug/L
RT: 9.690 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU051738.D
Acq: 03 Nov 2022 17:01

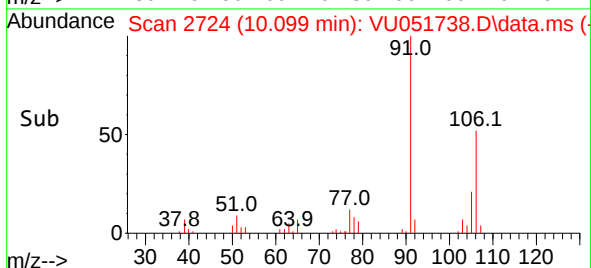
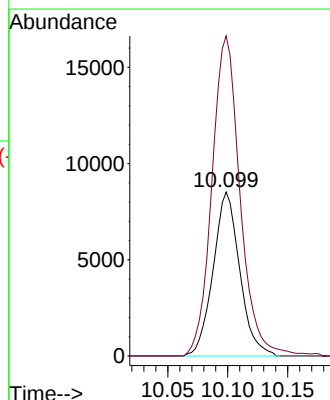
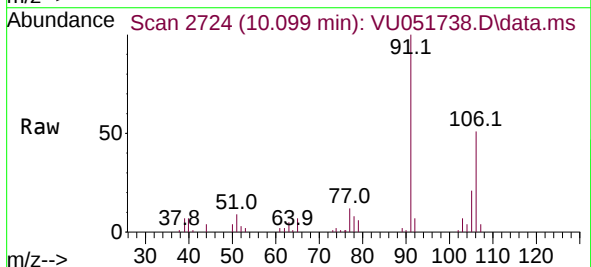
Instrument :
MSVOA_U
ClientSampleId :
BHAA2DL2

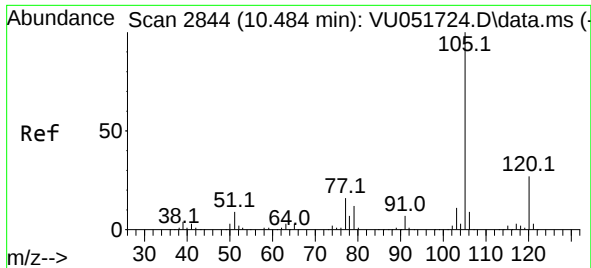
Tgt Ion:106 Resp: 43100
Ion Ratio Lower Upper
106 100
91 198.1 139.4 259.0



#54
o-Xylene
Concen: 0.430 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU051738.D
Acq: 03 Nov 2022 17:01

Tgt Ion:106 Resp: 13121
Ion Ratio Lower Upper
106 100
91 195.2 149.2 277.2

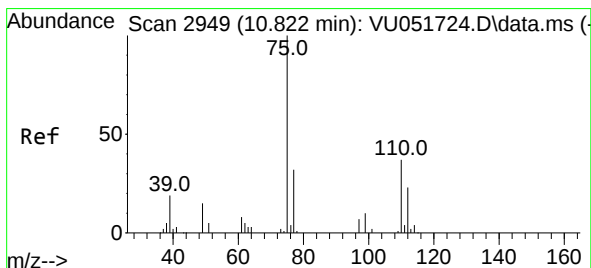
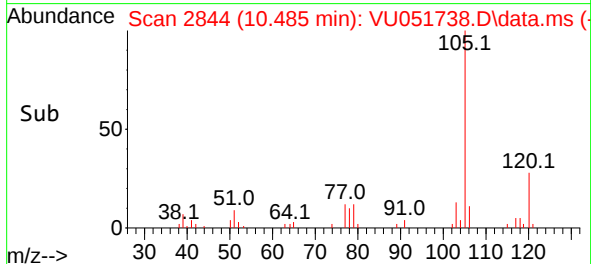
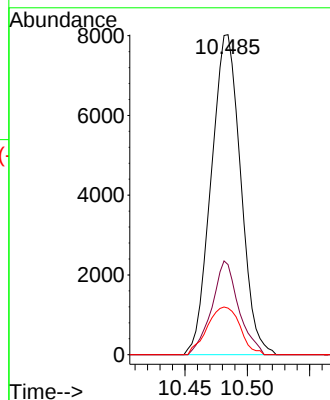
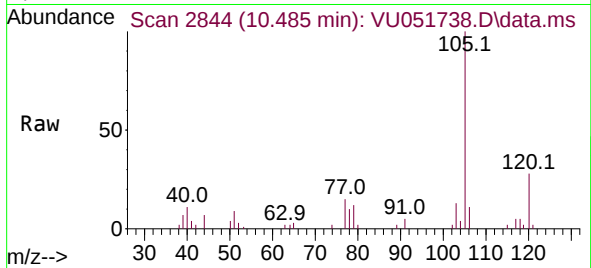




#60
Isopropylbenzene
Concen: 0.182 ug/L
RT: 10.485 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU051738.D
Acq: 03 Nov 2022 17:01

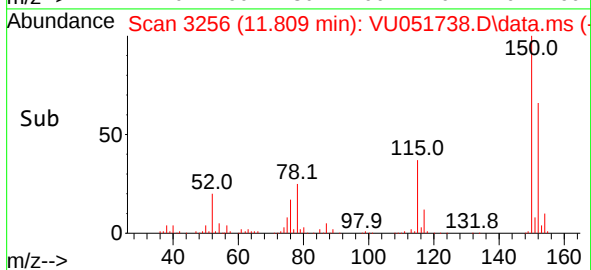
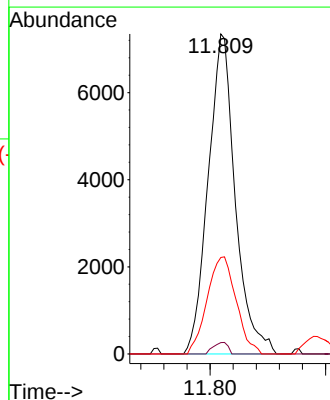
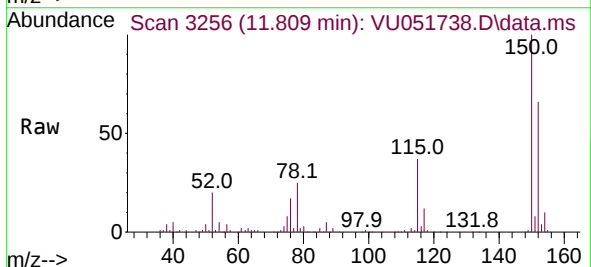
Instrument :
MSVOA_U
ClientSampleId :
BHAA2DL2

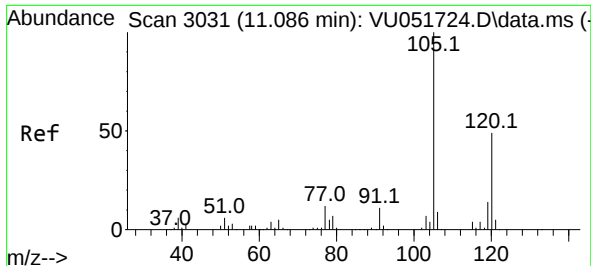
Tgt Ion:105 Resp: 13188
Ion Ratio Lower Upper
105 100
120 26.7 20.9 31.3
77 16.6 12.3 18.5



#61
1,2,3-Trichloropropane
Concen: 0.934 ug/L
RT: 11.809 min Scan# 3256
Delta R.T. 0.987 min
Lab File: VU051738.D
Acq: 03 Nov 2022 17:01

Tgt Ion: 75 Resp: 11956
Ion Ratio Lower Upper
75 100
110 1.9 28.7 43.1#
77 32.5 26.1 39.1

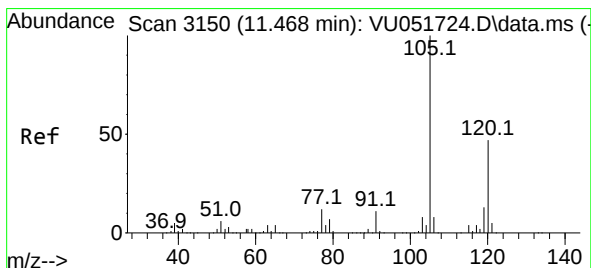
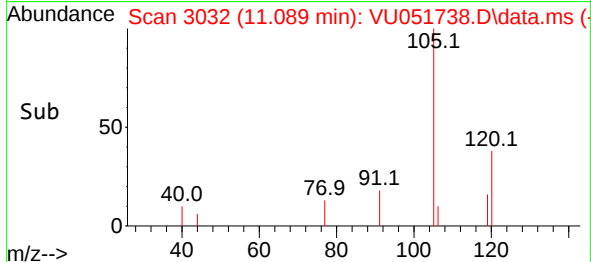
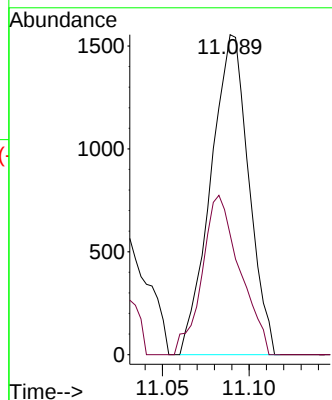
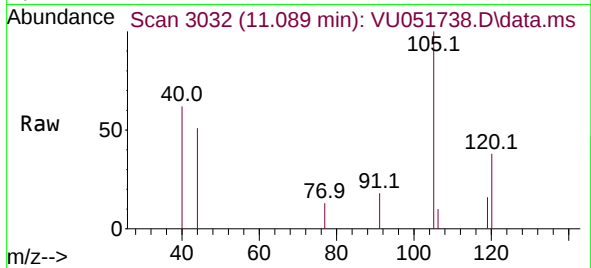




#62
1,3,5-Trimethylbenzene
Concen: 0.122 ug/L
RT: 11.089 min Scan# 3031
Delta R.T. 0.003 min
Lab File: VU051738.D
Acq: 03 Nov 2022 17:01

Instrument :
MSVOA_U
ClientSampleId :
BHAA2DL2

Tgt Ion:105 Resp: 2372
Ion Ratio Lower Upper
105 100
120 49.5 38.6 57.8



#63
1,2,4-Trimethylbenzene
Concen: 0.147 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. -0.003 min
Lab File: VU051738.D
Acq: 03 Nov 2022 17:01

Tgt Ion:105 Resp: 8270
Ion Ratio Lower Upper
105 100
120 49.0 35.8 53.6

