

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110322\
 Data File : VU051741.D
 Acq On : 03 Nov 2022 18:14
 Operator : JC/MD
 Sample : N5407-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW4Y2

Quant Time: Nov 04 00:53:30 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	192869	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	207447	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	116247	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	54297	3.738	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.800%
7) Chloroethane-d5	1.913	69	52224	3.447	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	69.000%
11) 1,1-Dichloroethene-d2	2.565	65	21720	4.120	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.400%
20) 2-Butanone-d5	4.623	46	160626	30.533	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	61.060%
24) Chloroform-d	5.060	84	128923	3.793	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.800%
26) 1,2-Dichloroethane-d4	5.700	65	64425	3.509	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.200%
32) Benzene-d6	5.726	84	246065	3.759	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.200%
36) 1,2-Dichloropropane-d6	6.690	67	83730	3.658	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	73.200%
41) Toluene-d8	7.896	98	231069	4.488	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.800%
43) trans-1,3-Dichloroprop...	8.176	79	28095	4.014	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.200%
46) 2-Hexanone-d5	8.633	63	138995	32.988	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	65.980%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	73763	3.516	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	70.400%
66) 1,2-Dichlorobenzene-d4	12.192	152	94125	4.412	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.527	50	6003	0.226	ug/L #	69
5) Vinyl chloride	1.601	62	11470	0.450	ug/L #	1
8) Chloroethane	2.173	64	2778	0.180	ug/L #	52
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	785	0.048	ug/L #	33
13) Acetone	2.630	43	882802	330.738	ug/L	98
14) Carbon disulfide	2.790	76	1338701	24.767	ug/L	99
15) Methyl Acetate	2.954	43	17728	2.537	ug/L	99
16) Methylene chloride	3.044	84	564669	20.561	ug/L	99
19) 1,1-Dichloroethane	3.867	63	280508	8.451	ug/L	99
21) 2-Butanone	4.703	43	471817	112.875	ug/L	98
22) cis-1,2-Dichloroethene	4.668	96	4374	0.220	ug/L #	73
33) Benzene	5.771	78	61319	0.749	ug/L	100
37) 1,2-Dichloropropane	6.687	63	8388	0.398	ug/L #	89
40) 4-Methyl-2-pentanone	7.790	43	310158	29.368	ug/L	99
42) Toluene	7.967	91	528710	6.289	ug/L	99
52) Ethylbenzene	9.568	91	95013	1.171	ug/L	98
53) m,p-Xylene	9.690	106	128858	4.090	ug/L	100
54) o-Xylene	10.099	106	41944	1.362	ug/L	98
55) Styrene	10.115	104	11972	0.233	ug/L	80

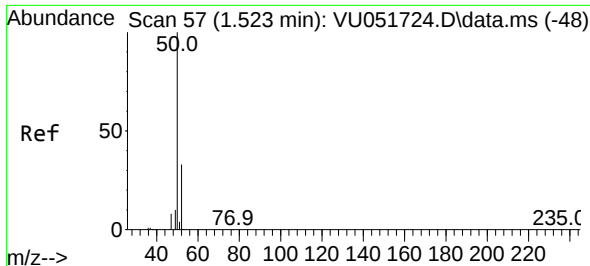
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110322\
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 04 00:49:19 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) Isopropylbenzene	10.996	105	30793	0.363	ug/L	93
62) 1,3,5-Trimethylbenzene	11.086	105	14616	0.640	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	54653	0.830	ug/L	98
71) Naphthalene	14.086	128	31454	0.729	ug/L	99

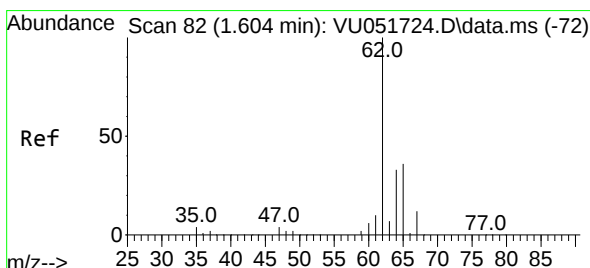
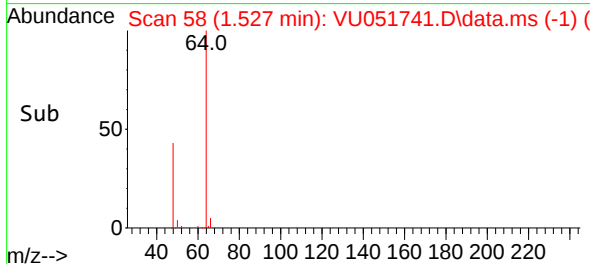
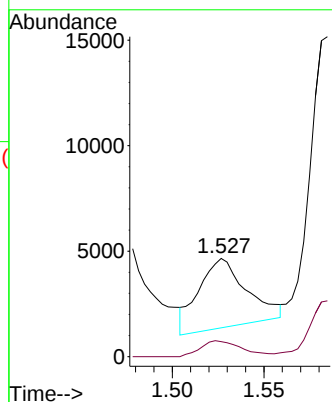
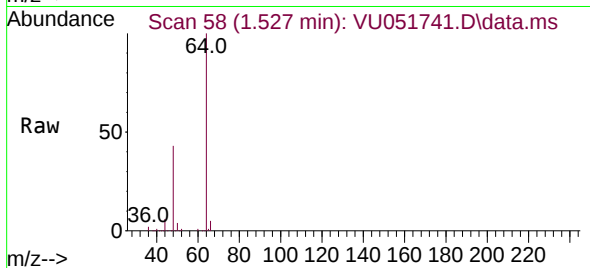
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#3
Chloromethane
Concen: 0.226 ug/L
RT: 1.527 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU051741.D
Acq: 03 Nov 2022 18:14

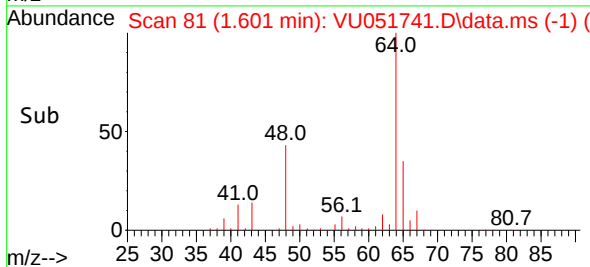
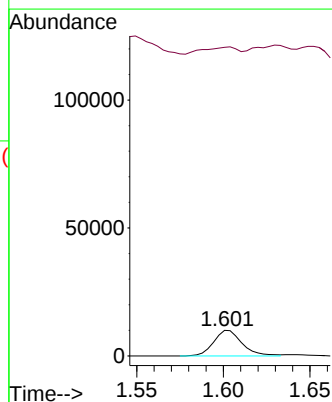
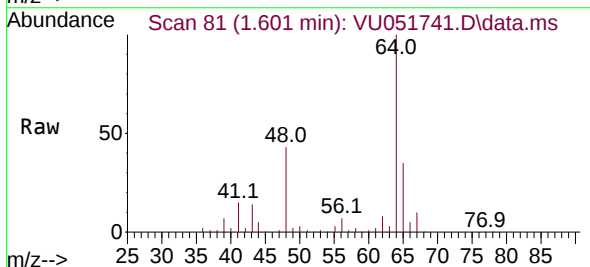
Instrument :
MSVOA_U
ClientSampleId :
EW4Y2

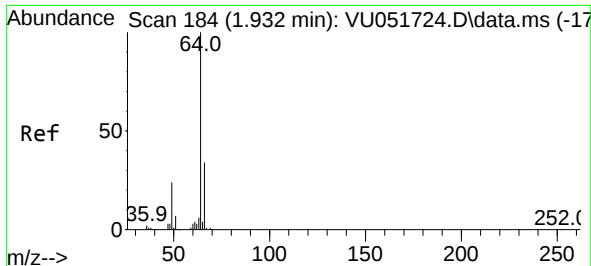
Tgt Ion: 50 Resp: 6003
Ion Ratio Lower Upper
50 100
52 15.4 23.2 43.2#



#5
Vinyl chloride
Concen: 0.450 ug/L
RT: 1.601 min Scan# 81
Delta R.T. -0.003 min
Lab File: VU051741.D
Acq: 03 Nov 2022 18:14

Tgt Ion: 62 Resp: 11470
Ion Ratio Lower Upper
62 100
64 1207.2 22.1 41.1#

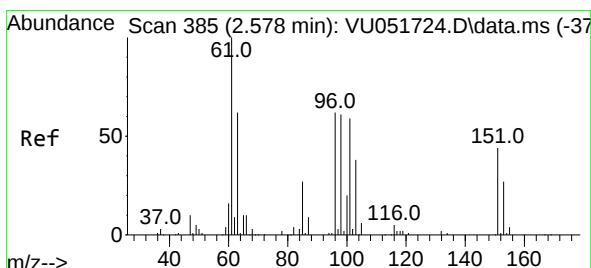
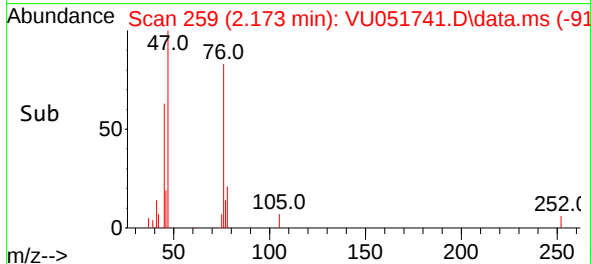
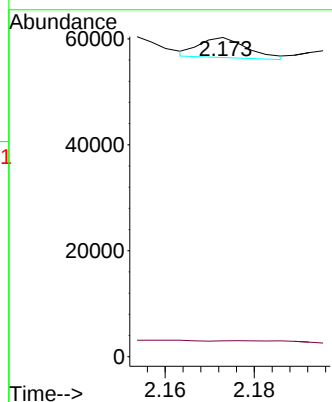
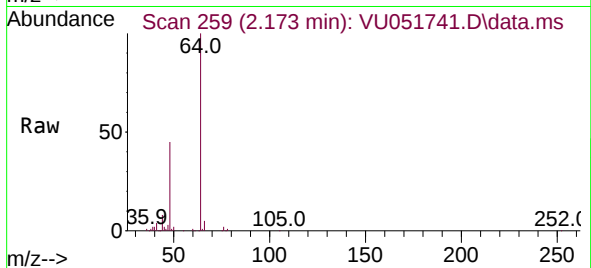




#8
Chloroethane
Concen: 0.180 ug/L
RT: 2.173 min Scan# 21
Delta R.T. 0.241 min
Lab File: VU051741.D
Acq: 03 Nov 2022 18:14

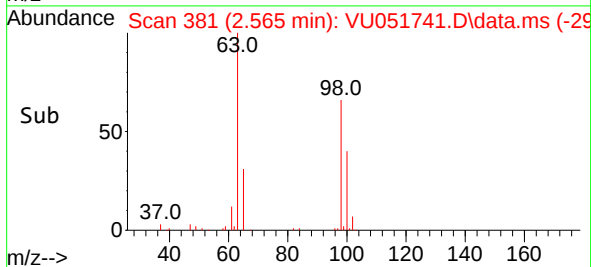
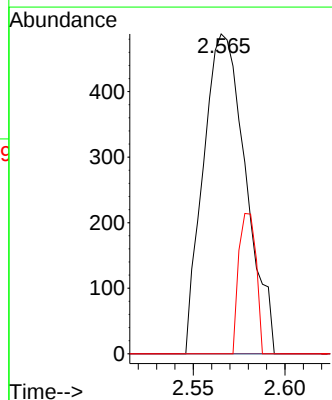
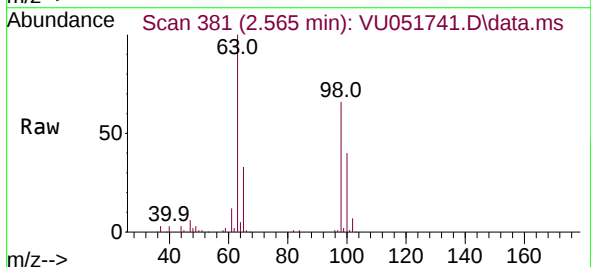
Instrument :
MSVOA_U
ClientSampleId :
EW4Y2

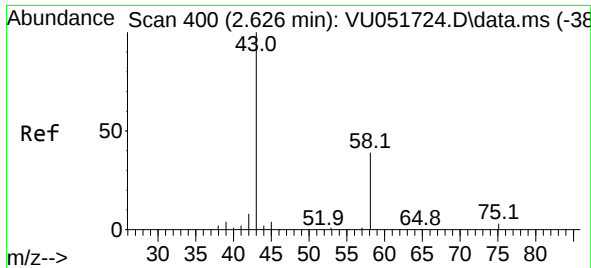
Tgt Ion: 64 Resp: 2778
Ion Ratio Lower Upper
64 100
66 5.0 22.3 41.5#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.048 ug/L
RT: 2.565 min Scan# 381
Delta R.T. -0.013 min
Lab File: VU051741.D
Acq: 03 Nov 2022 18:14

Tgt Ion: 101 Resp: 785
Ion Ratio Lower Upper
101 100
85 0.0 35.6 53.4#
151 17.8 59.6 89.4#





#13

Acetone

Concen: 330.738 ug/L

RT: 2.630 min Scan# 401

Delta R.T. 0.003 min

Lab File: VU051741.D

Acq: 03 Nov 2022 18:14

Instrument :

MSVOA_U

ClientSampleId :

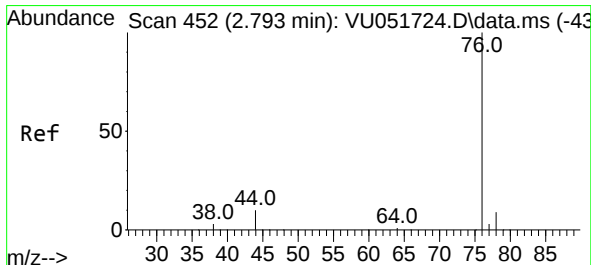
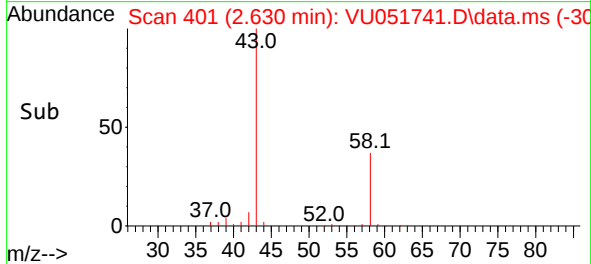
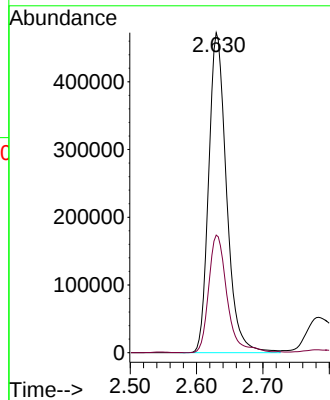
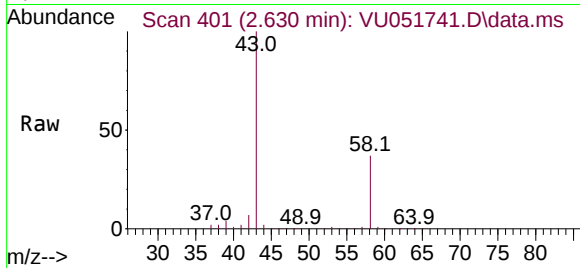
EW4Y2

Tgt Ion: 43 Resp: 882802

Ion Ratio Lower Upper

43 100

58 38.0 0.0 73.8



#14

Carbon disulfide

Concen: 24.767 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.003 min

Lab File: VU051741.D

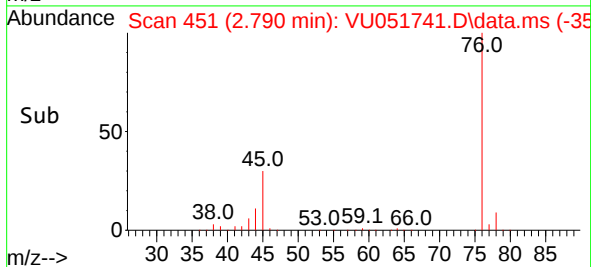
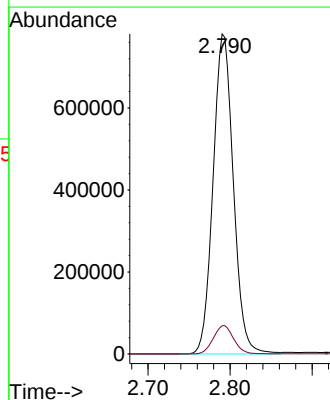
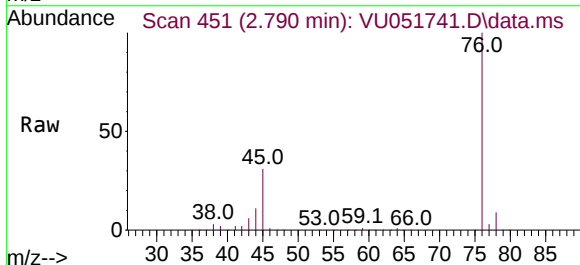
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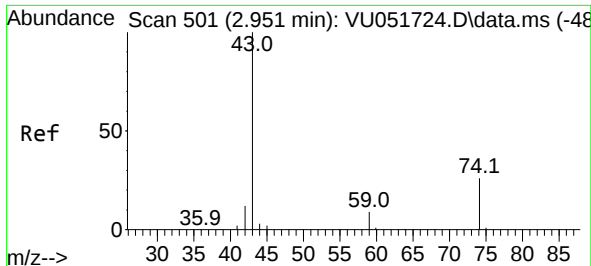
Tgt Ion: 76 Resp: 1338701

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.2

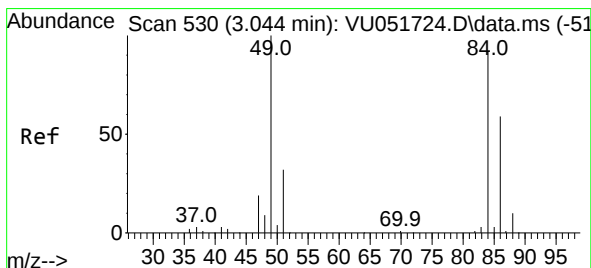
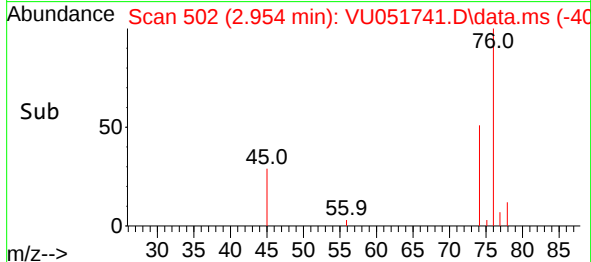
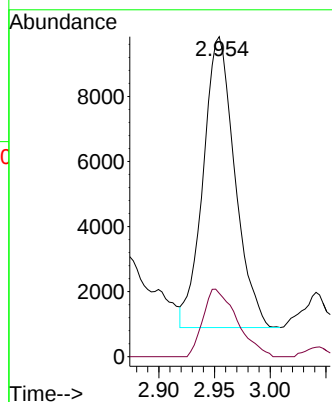
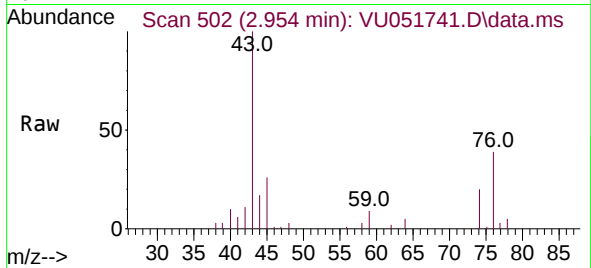




#15
Methyl Acetate
Concen: 2.537 ug/L
RT: 2.954 min Scan# 501
Delta R.T. 0.004 min
Lab File: VU051741.D
Acq: 03 Nov 2022 18:14

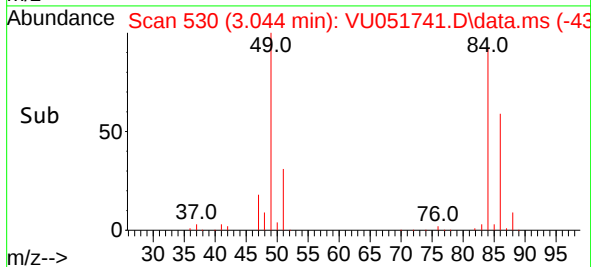
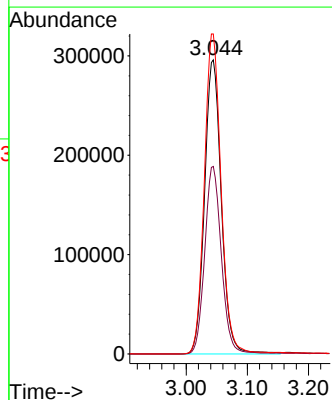
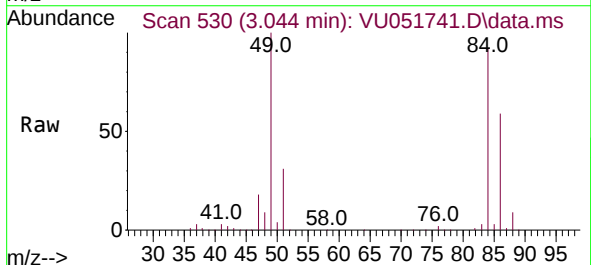
Instrument :
MSVOA_U
ClientSampleId :
EW4Y2

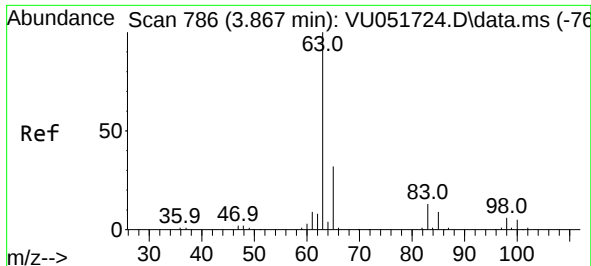
Tgt Ion: 43 Resp: 17728
Ion Ratio Lower Upper
43 100
74 24.9 20.2 30.4



#16
Methylene chloride
Concen: 20.561 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU051741.D
Acq: 03 Nov 2022 18:14

Tgt Ion: 84 Resp: 564669
Ion Ratio Lower Upper
84 100
86 63.8 46.3 85.9
49 108.8 76.0 141.2





#19

1,1-Dichloroethane

Concen: 8.451 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU051741.D

Acq: 03 Nov 2022 18:14

Instrument :

MSVOA_U

ClientSampleId :

EW4Y2

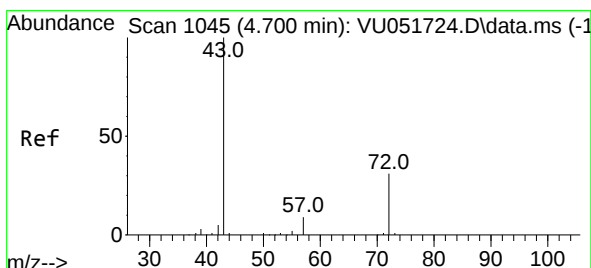
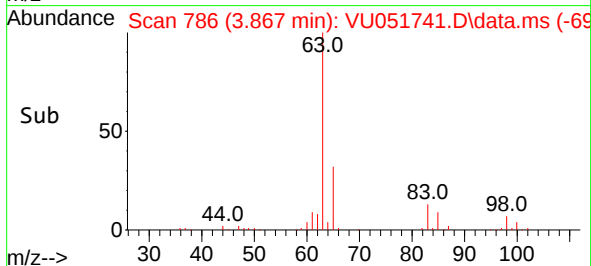
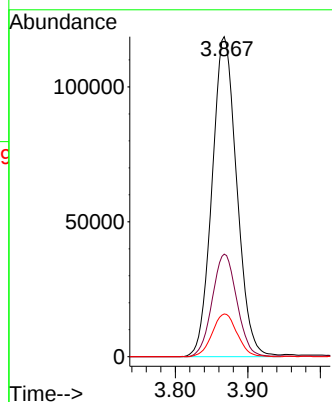
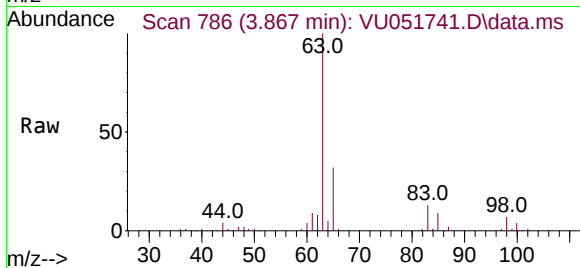
Tgt Ion: 63 Resp: 280508

Ion Ratio Lower Upper

63 100

65 32.1 22.7 42.1

83 13.3 9.2 17.0



#21

2-Butanone

Concen: 112.875 ug/L

RT: 4.703 min Scan# 1046

Delta R.T. 0.003 min

Lab File: VU051741.D

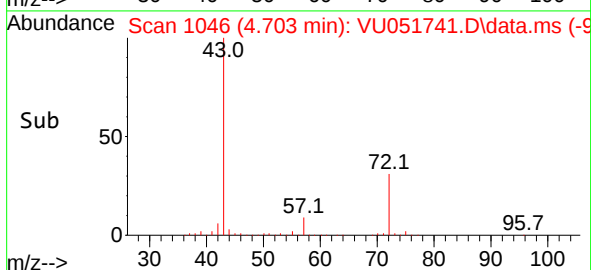
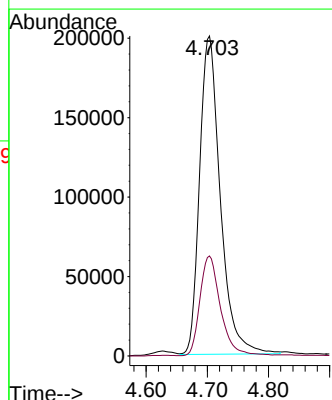
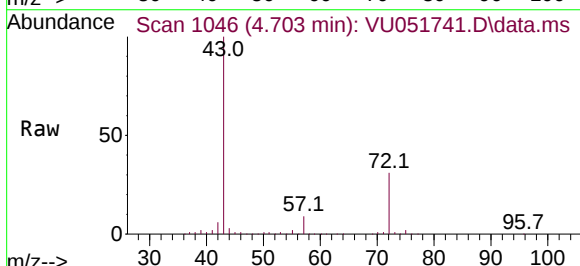
Acq: 03 Nov 2022 18:14

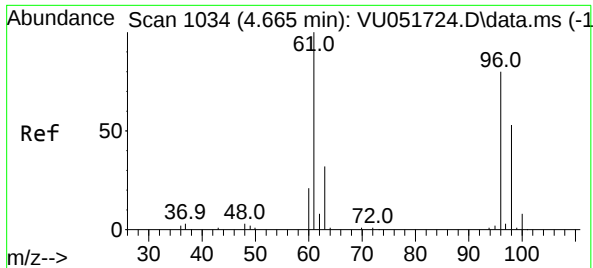
Tgt Ion: 43 Resp: 471817

Ion Ratio Lower Upper

43 100

72 31.0 16.2 48.5





#22

cis-1,2-Dichloroethene

Concen: 0.220 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.003 min

Lab File: VU051741.D

Acq: 03 Nov 2022 18:14

Instrument :

MSVOA_U

ClientSampleId :

EW4Y2

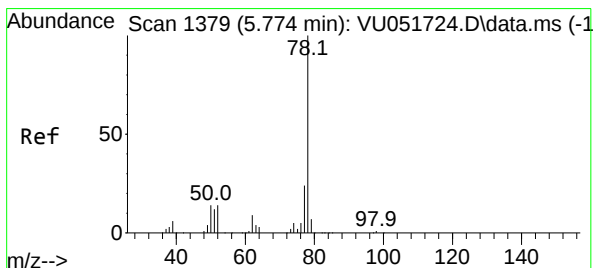
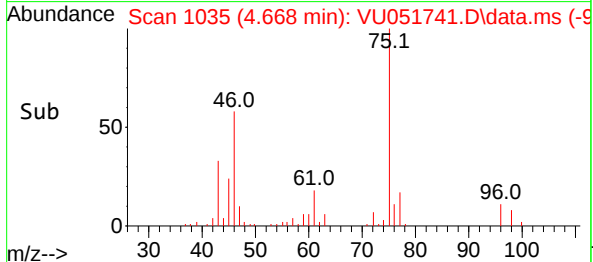
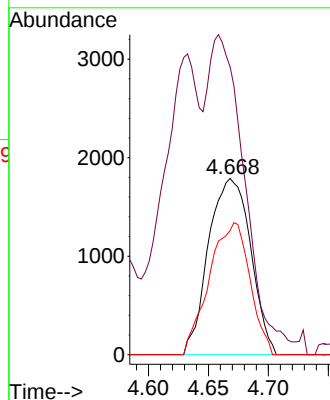
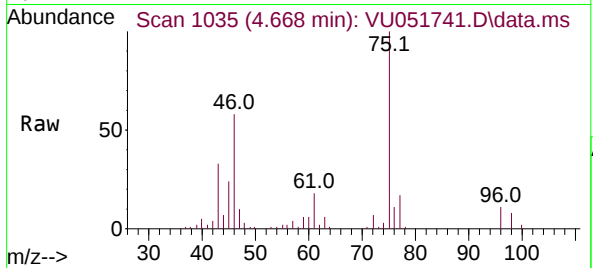
Tgt Ion: 96 Resp: 4374

Ion Ratio Lower Upper

96 100

61 163.4 86.4 160.4#

98 70.5 44.2 82.2



#33

Benzene

Concen: 0.749 ug/L

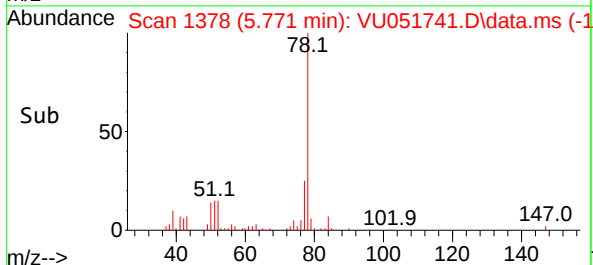
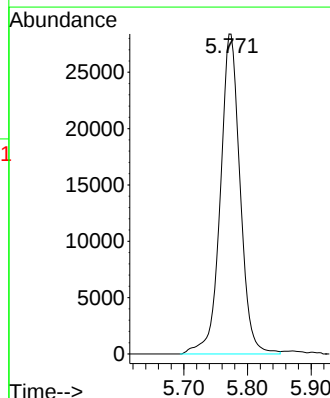
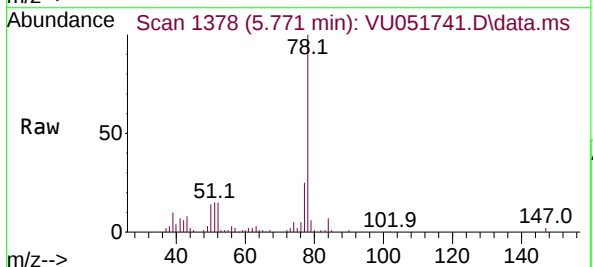
RT: 5.771 min Scan# 1378

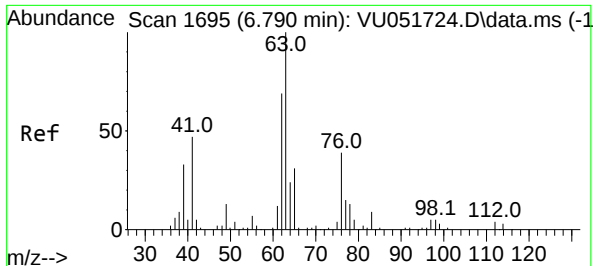
Delta R.T. -0.003 min

Lab File: VU051741.D

Acq: 03 Nov 2022 18:14

Tgt Ion: 78 Resp: 61319





#37

1,2-Dichloropropane

Concen: 0.398 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU051741.D

Acq: 03 Nov 2022 18:14

Instrument :

MSVOA_U

ClientSampleId :

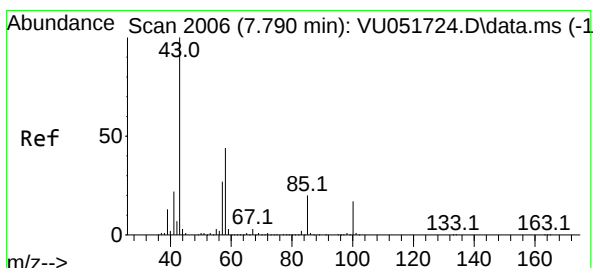
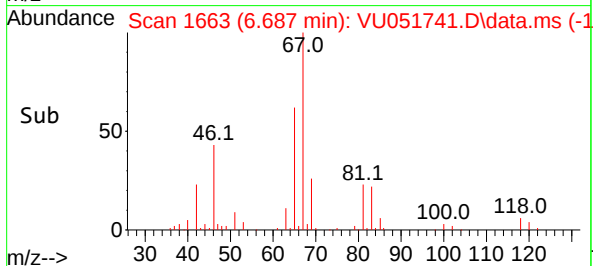
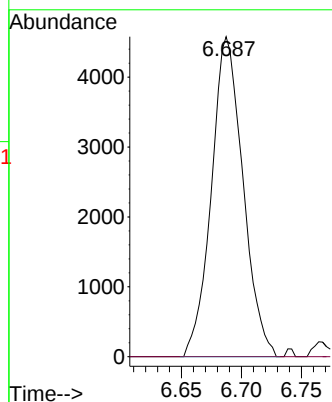
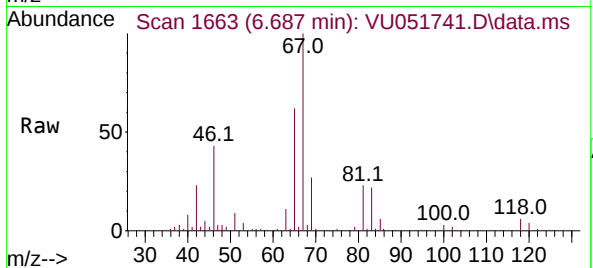
EW4Y2

Tgt Ion: 63 Resp: 8388

Ion Ratio Lower Upper

63 100

112 0.5 3.3 4.9#



#40

4-Methyl-2-pentanone

Concen: 29.368 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU051741.D

Acq: 03 Nov 2022 18:14

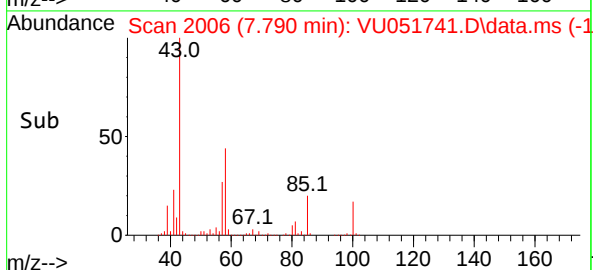
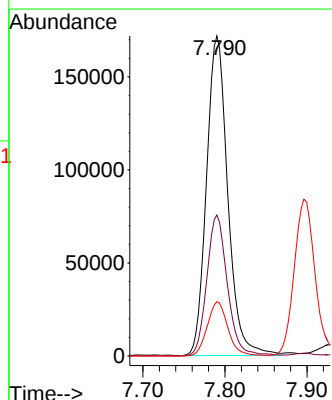
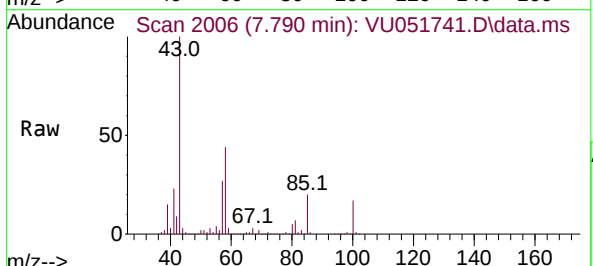
Tgt Ion: 43 Resp: 310158

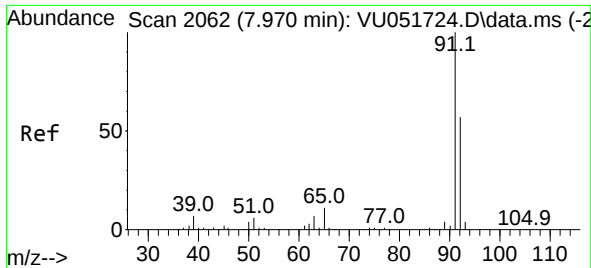
Ion Ratio Lower Upper

43 100

58 42.7 35.0 52.6

100 16.5 13.4 20.0





#42

Toluene

Concen: 6.289 ug/L

RT: 7.967 min Scan# 2062

Delta R.T. -0.003 min

Lab File: VU051741.D

Acq: 03 Nov 2022 18:14

Instrument :

MSVOA_U

ClientSampleId :

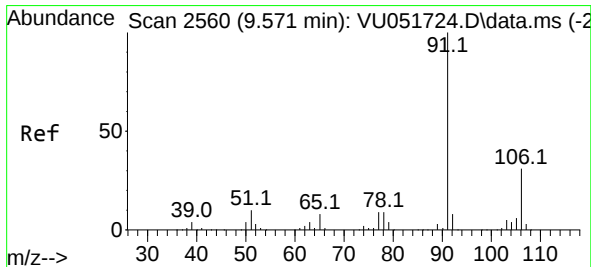
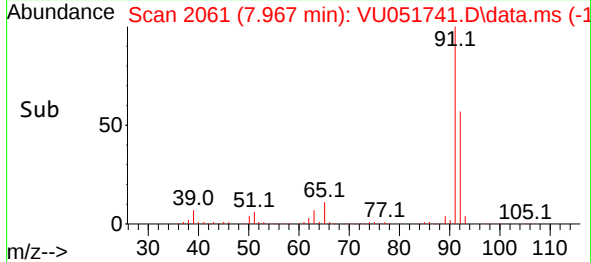
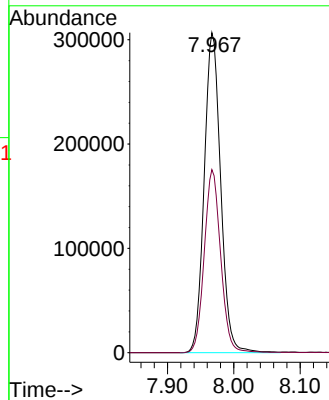
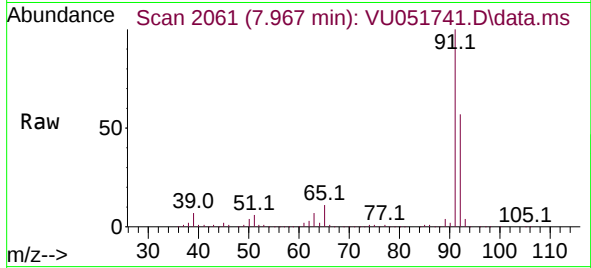
EW4Y2

Tgt Ion: 91 Resp: 528710

Ion Ratio Lower Upper

91 100

92 57.2 40.5 75.3



#52

Ethylbenzene

Concen: 1.171 ug/L

RT: 9.568 min Scan# 2559

Delta R.T. -0.003 min

Lab File: VU051741.D

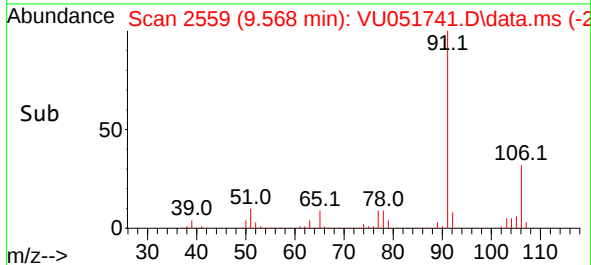
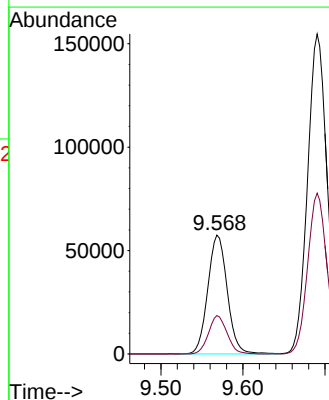
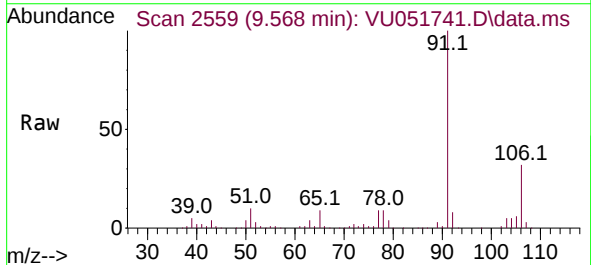
Acq: 03 Nov 2022 18:14

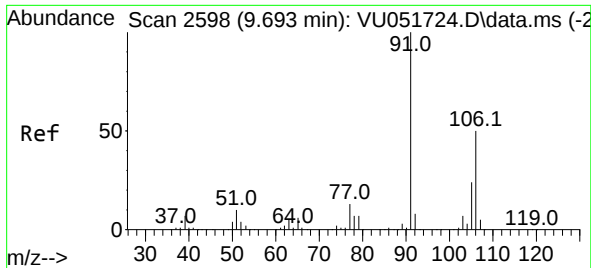
Tgt Ion: 91 Resp: 95013

Ion Ratio Lower Upper

91 100

106 32.3 21.8 40.6

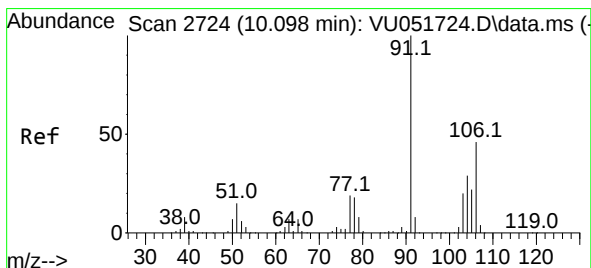
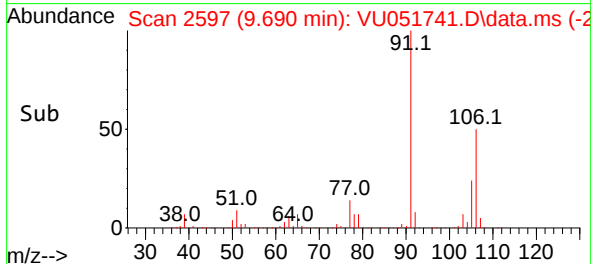
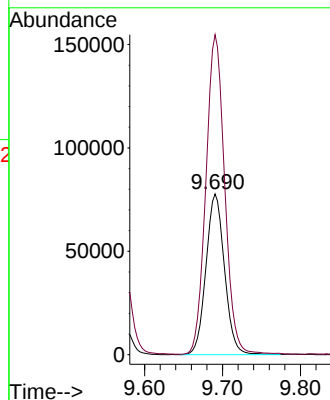
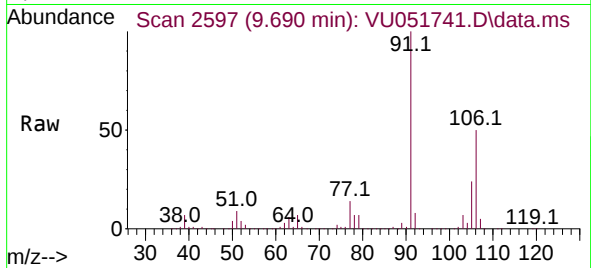




#53
m,p-Xylene
Concen: 4.090 ug/L
RT: 9.690 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU051741.D
Acq: 03 Nov 2022 18:14

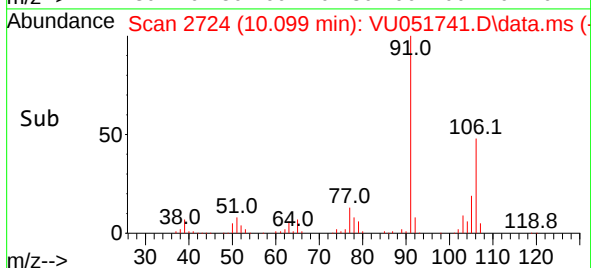
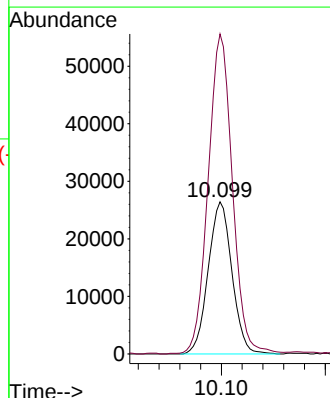
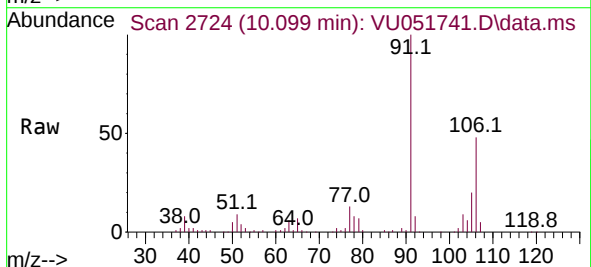
Instrument :
MSVOA_U
ClientSampleId :
EW4Y2

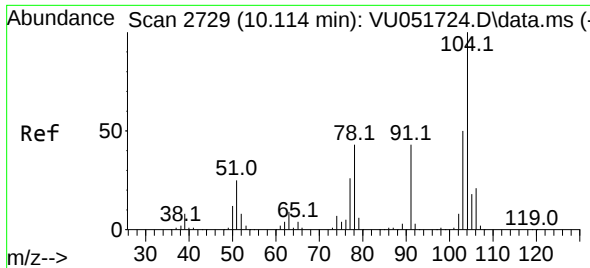
Tgt Ion:106 Resp: 128858
Ion Ratio Lower Upper
106 100
91 199.0 139.4 259.0



#54
o-Xylene
Concen: 1.362 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU051741.D
Acq: 03 Nov 2022 18:14

Tgt Ion:106 Resp: 41944
Ion Ratio Lower Upper
106 100
91 210.2 149.2 277.2

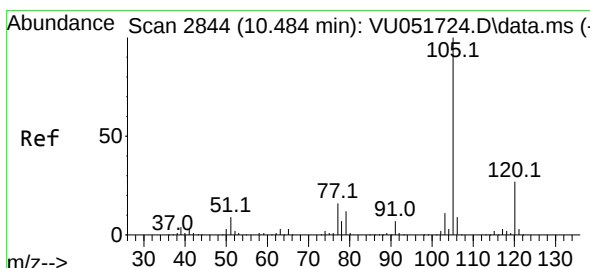
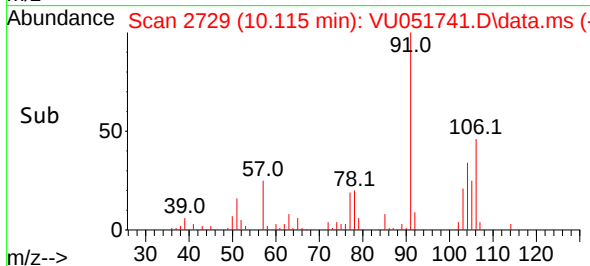
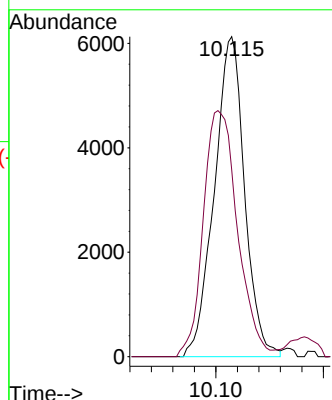
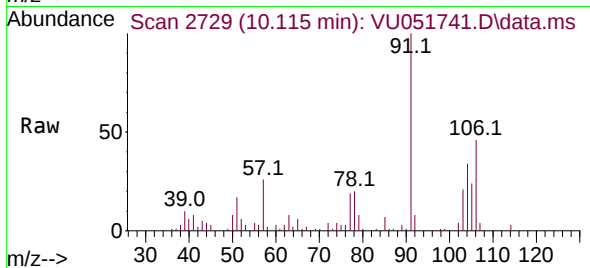




#55
Styrene
Concen: 0.233 ug/L
RT: 10.115 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU051741.D
Acq: 03 Nov 2022 18:14

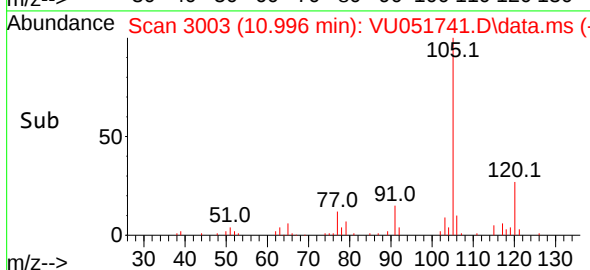
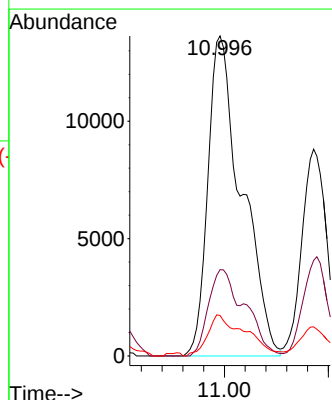
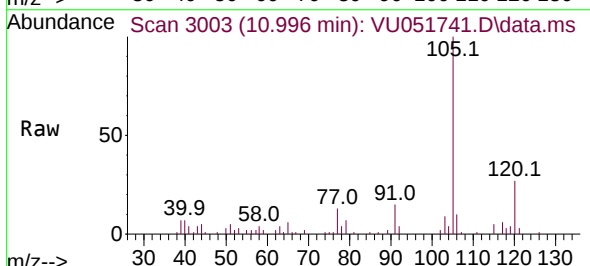
Instrument :
MSVOA_U
ClientSampleId :
EW4Y2

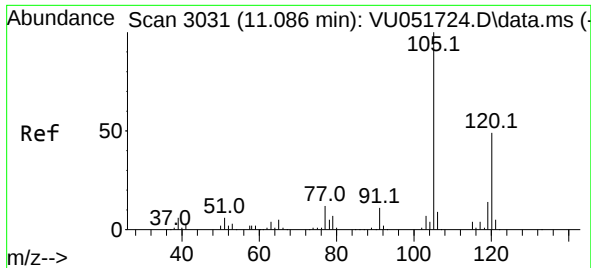
Tgt Ion:104 Resp: 11972
Ion Ratio Lower Upper
104 100
78 58.3 31.8 59.0



#60
Isopropylbenzene
Concen: 0.363 ug/L
RT: 10.996 min Scan# 3003
Delta R.T. 0.511 min
Lab File: VU051741.D
Acq: 03 Nov 2022 18:14

Tgt Ion:105 Resp: 30793
Ion Ratio Lower Upper
105 100
120 21.1 20.9 31.3
77 14.4 12.3 18.5

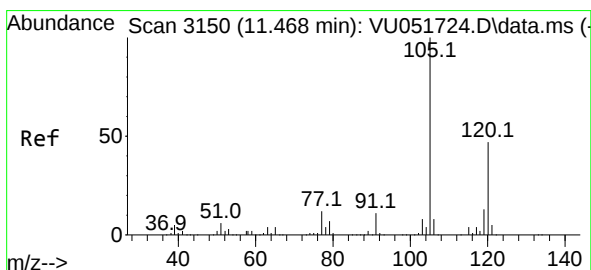
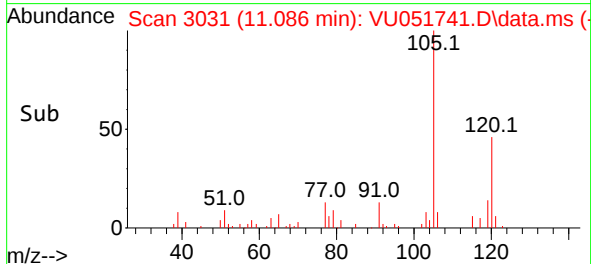
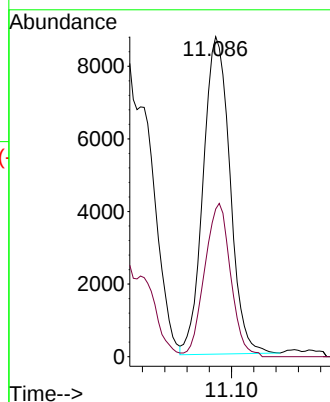
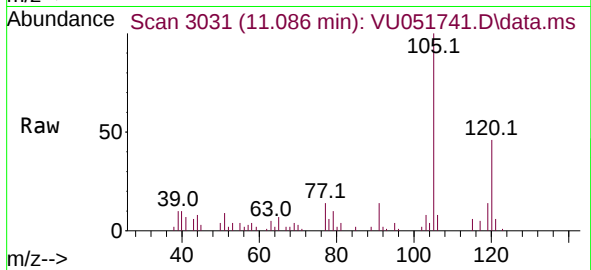




#62
1,3,5-Trimethylbenzene
Concen: 0.640 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. 0.000 min
Lab File: VU051741.D
Acq: 03 Nov 2022 18:14

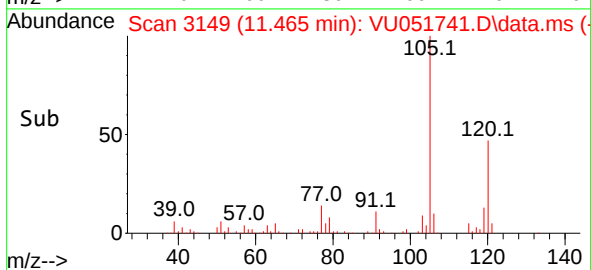
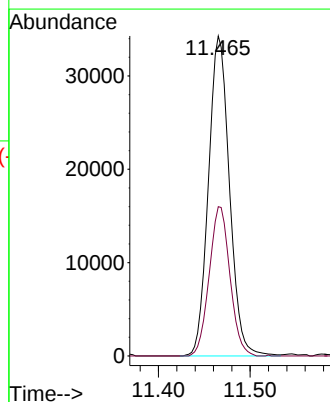
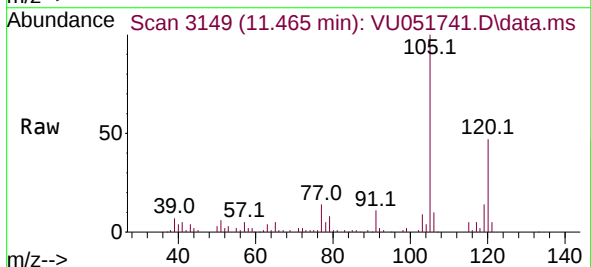
Instrument :
MSVOA_U
ClientSampleId :
EW4Y2

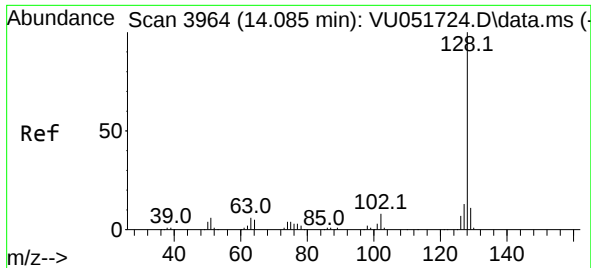
Tgt Ion:105 Resp: 14616
Ion Ratio Lower Upper
105 100
120 46.9 38.6 57.8



#63
1,2,4-Trimethylbenzene
Concen: 0.830 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. -0.003 min
Lab File: VU051741.D
Acq: 03 Nov 2022 18:14

Tgt Ion:105 Resp: 54653
Ion Ratio Lower Upper
105 100
120 45.9 35.8 53.6





#71

Naphthalene

Concen: 0.729 ug/L

RT: 14.086 min Scan# 3964

Delta R.T. 0.000 min

Lab File: VU051741.D

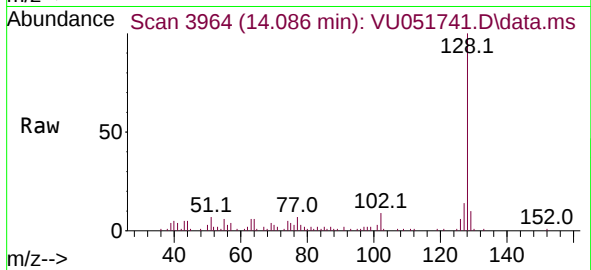
Acq: 03 Nov 2022 18:14

Instrument :

MSVOA_U

ClientSampleId :

EW4Y2



Tgt Ion:128 Resp: 31454

Ion Ratio Lower Upper

128 100

129 10.7 8.4 12.6

127 13.8 10.3 15.5

