

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112421\
 Data File : VU046003.D
 Acq On : 24 Nov 2021 18:38
 Operator : SY/MD
 Sample : M4722-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 26 00:22:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 26 00:17:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	87476	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	87931	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	42685	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	14662	2.116	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	42.400%
7) Chloroethane-d5	1.919	69	23333	4.625	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.400%
11) 1,1-Dichloroethene-d2	2.572	65	10252	3.527	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.600%
20) 2-Butanone-d5	4.649	46	125663	67.659	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	135.320%#
24) Chloroform-d	5.067	84	61448	5.322	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.400%
26) 1,2-Dichloroethane-d4	5.707	65	35962	5.308	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.200%
32) Benzene-d6	5.729	84	122421	5.056	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.200%
36) 1,2-Dichloropropane-d6	6.694	67	40572	5.316	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.400%
41) Toluene-d8	7.899	98	104517	4.771	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
43) trans-1,3-Dichloroprop...	8.182	79	11579	3.737	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.800%
46) 2-Hexanone-d5	8.636	63	88317	63.336	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	126.680%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	37900	5.878	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	117.600%
66) 1,2-Dichlorobenzene-d4	12.195	152	43056	5.875	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	117.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	2842	0.377	ug/L	100
8) Chloroethane	1.938	64	1133	0.262	ug/L	91
13) Acetone	2.675	43	11713	10.715	ug/L	55
14) Carbon disulfide	2.800	76	190170	11.104	ug/L	99
15) Methyl Acetate	2.974	43	449	0.167	ug/L #	51
16) Methylene chloride	3.051	84	12628	1.580	ug/L	100
19) 1,1-Dichloroethane	3.877	63	1199	0.110	ug/L #	79
25) Chloroform	5.092	83	22382	1.897	ug/L	97
33) Benzene	5.777	78	34021	1.386	ug/L	100
35) Methylcyclohexane	6.694	83	9973	1.027	ug/L #	18
37) 1,2-Dichloropropane	6.790	63	1806	0.280	ug/L #	88
40) 4-Methyl-2-pentanone	7.797	43	42494	10.033	ug/L	99
42) Toluene	7.973	91	285723	11.281	ug/L	99
52) Ethylbenzene	9.571	91	20069	0.757	ug/L	95
53) m,p-Xylene	9.694	106	33335	3.282	ug/L	95
54) o-Xylene	10.102	106	15466	1.578	ug/L	95
55) Styrene	10.105	104	1209	0.073	ug/L #	1
60) Isopropylbenzene	10.488	105	2776	0.111	ug/L	96
62) 1,3,5-Trimethylbenzene	11.089	105	1629	0.079	ug/L	92

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 26 00:17:51 2021
Response via : Initial Calibration

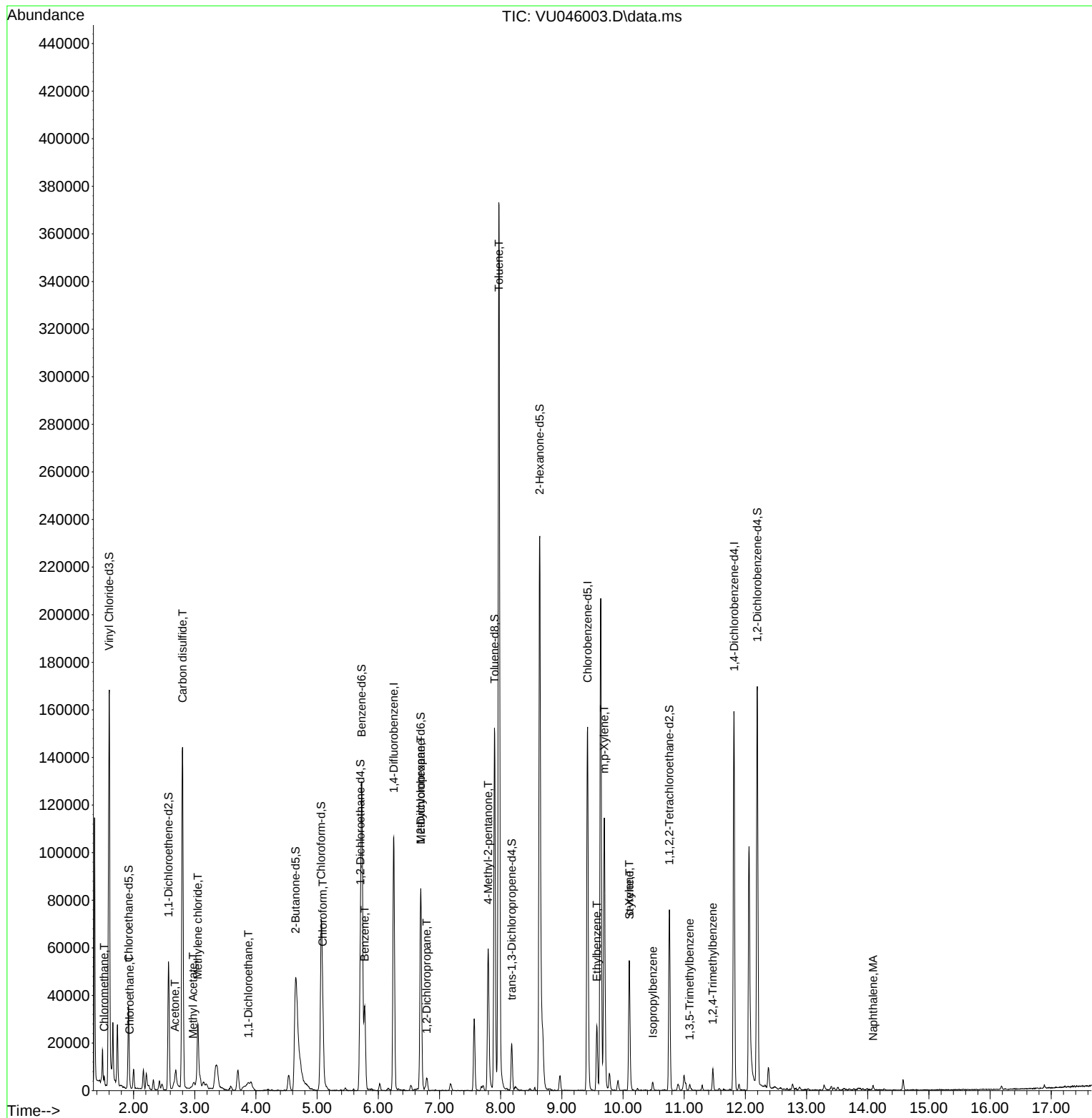
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	11.468	105	5503	0.268	ug/L	99
71) Naphthalene	14.089	128	2343	0.154	ug/L #	88

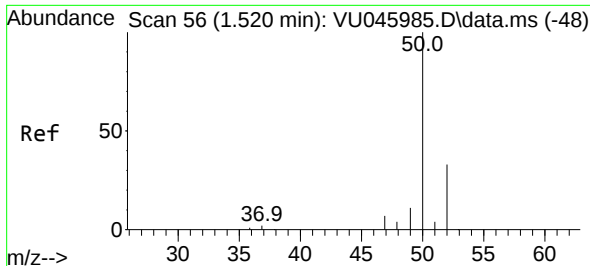
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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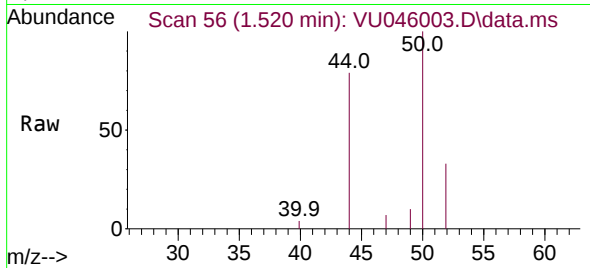
Quant Time: Nov 26 00:22:46 2021
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Quant Title : TRACE VOA SFAM1.0
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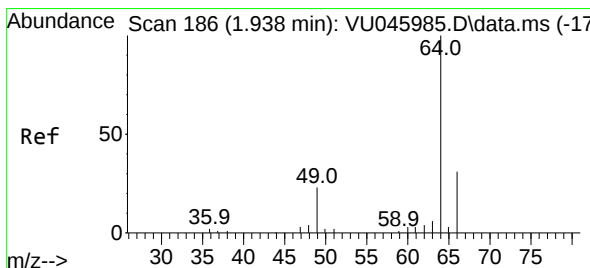
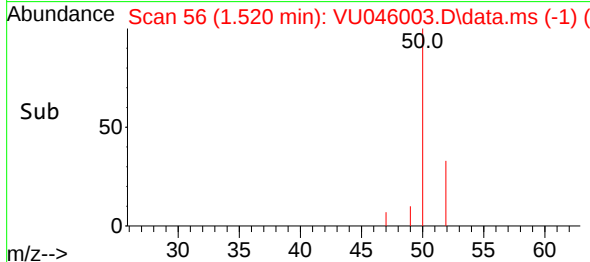
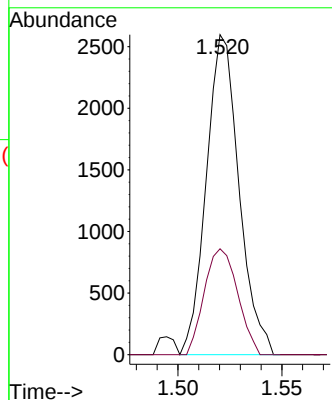


#3
Chloromethane
Concen: 0.377 ug/L
RT: 1.520 min Scan# 50
Delta R.T. 0.000 min
Lab File: VU046003.D
Acq: 24 Nov 2021 18:38

Instrument :
MSVOA_U
ClientSampleId :

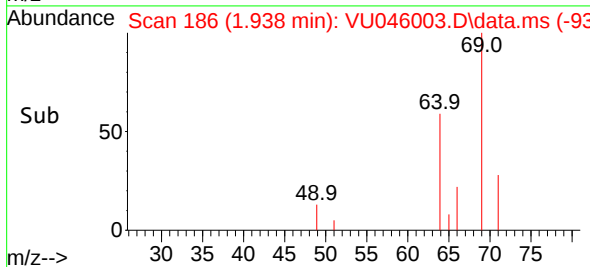
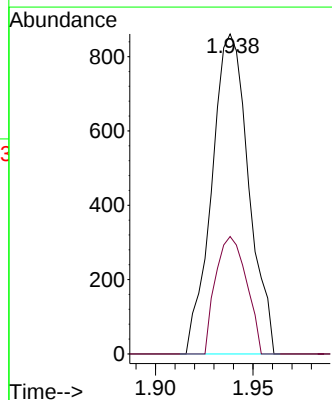
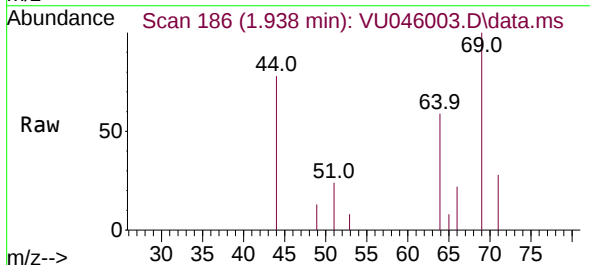


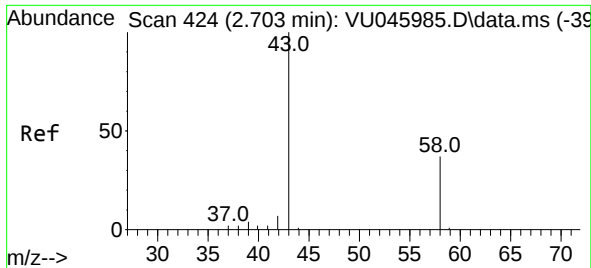
Tgt Ion: 50 Resp: 2842
Ion Ratio Lower Upper
50 100
52 33.1 23.0 42.8



#8
Chloroethane
Concen: 0.262 ug/L
RT: 1.938 min Scan# 186
Delta R.T. 0.000 min
Lab File: VU046003.D
Acq: 24 Nov 2021 18:38

Tgt Ion: 64 Resp: 1133
Ion Ratio Lower Upper
64 100
66 36.7 22.1 41.1





#13

Acetone

Concen: 10.715 ug/L

RT: 2.675 min Scan# 41

Delta R.T. -0.029 min

Lab File: VU046003.D

Acq: 24 Nov 2021 18:38

Instrument :

MSVOA_U

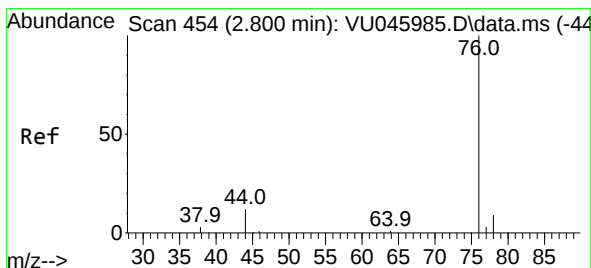
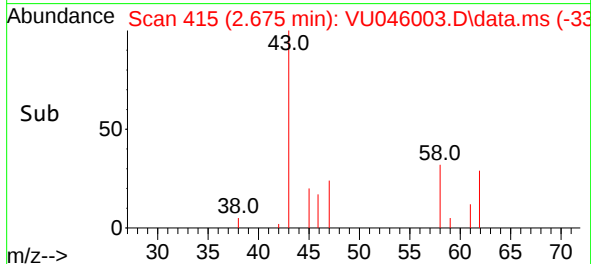
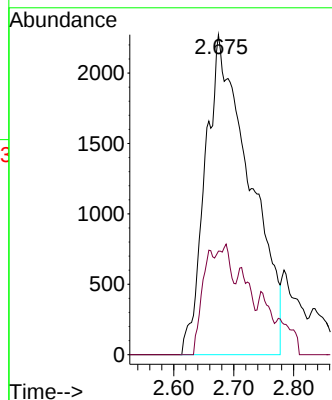
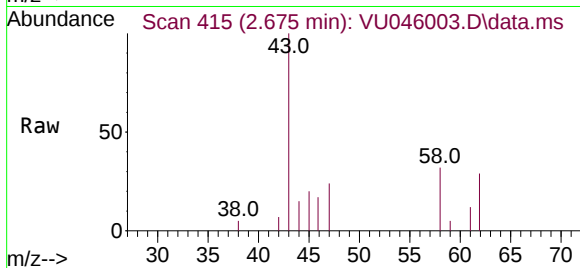
ClientSampleId :

Tgt Ion: 43 Resp: 11713

Ion Ratio Lower Upper

43 100

58 9.4 0.0 71.6



#14

Carbon disulfide

Concen: 11.104 ug/L

RT: 2.800 min Scan# 454

Delta R.T. 0.000 min

Lab File: VU046003.D

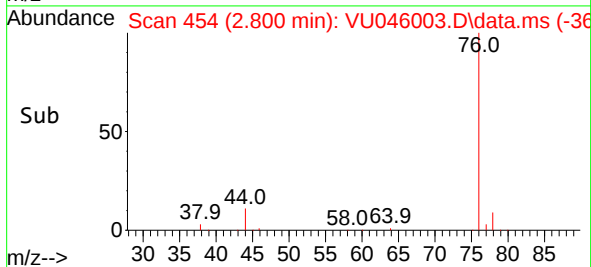
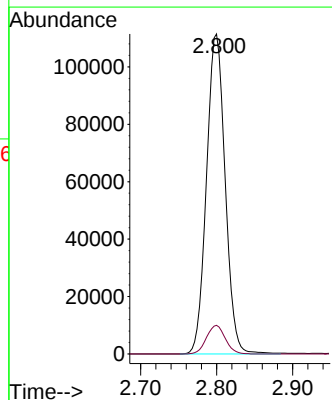
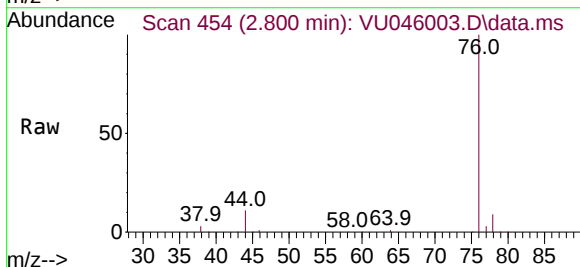
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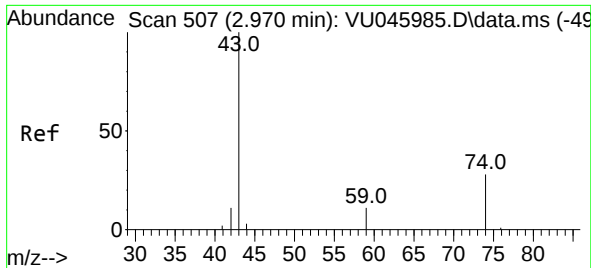
Tgt Ion: 76 Resp: 190170

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3

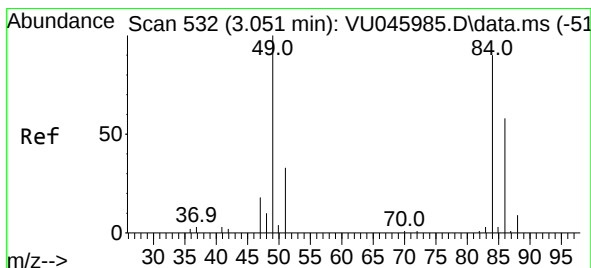
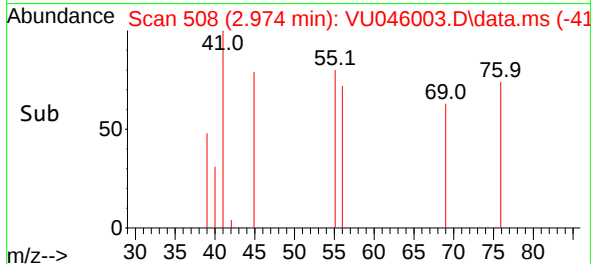
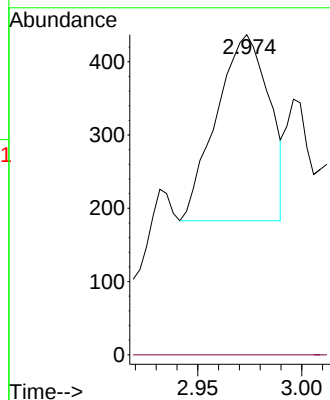
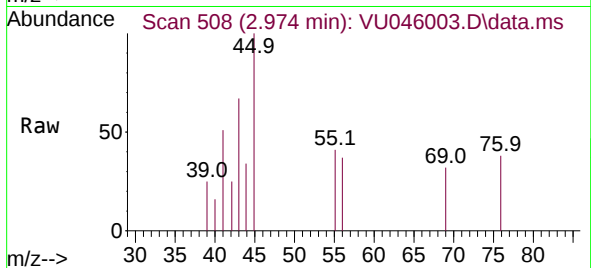




#15
Methyl Acetate
Concen: 0.167 ug/L
RT: 2.974 min Scan# 507
Delta R.T. 0.003 min
Lab File: VU046003.D
Acq: 24 Nov 2021 18:38

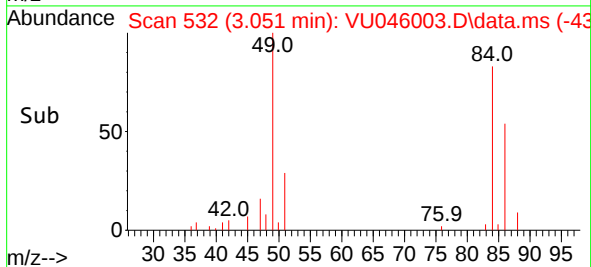
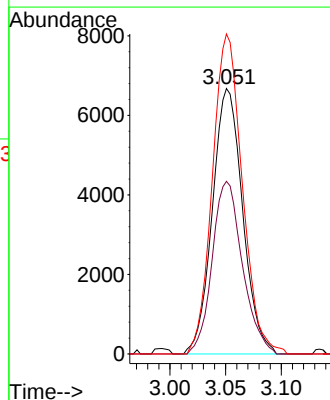
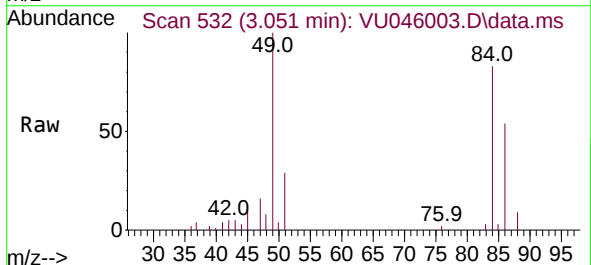
Instrument :
MSVOA_U
ClientSampleId :

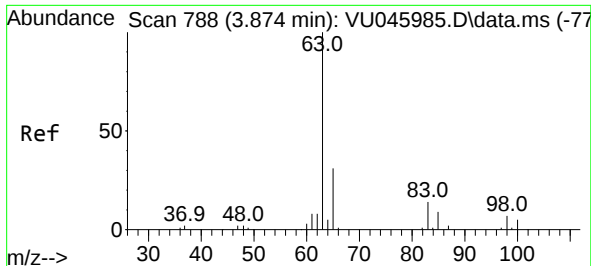
Tgt Ion: 43 Resp: 449
Ion Ratio Lower Upper
43 100
74 0.0 19.1 28.7#



#16
Methylene chloride
Concen: 1.580 ug/L
RT: 3.051 min Scan# 532
Delta R.T. 0.000 min
Lab File: VU046003.D
Acq: 24 Nov 2021 18:38

Tgt Ion: 84 Resp: 12628
Ion Ratio Lower Upper
84 100
86 65.0 45.8 85.0
49 120.5 84.5 156.9





#19

1,1-Dichloroethane

Concen: 0.110 ug/L

RT: 3.877 min Scan# 71

Delta R.T. 0.003 min

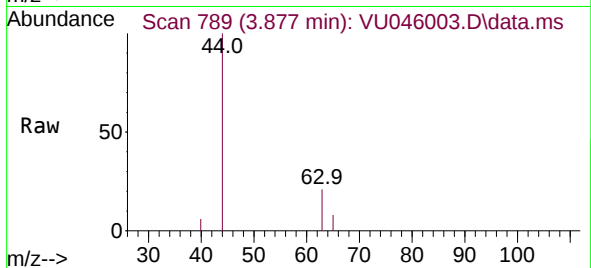
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Acq: 24 Nov 2021 18:38

Instrument :

MSVOA_U

ClientSampleId :



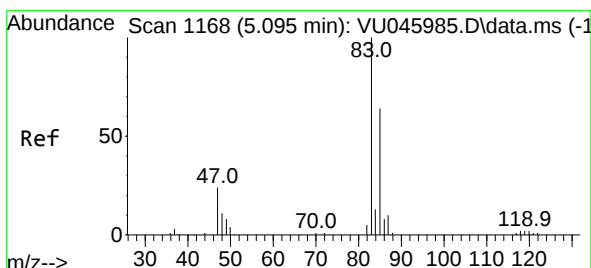
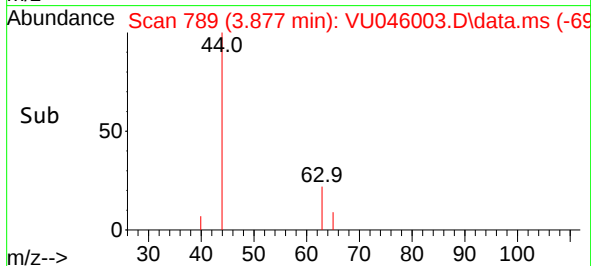
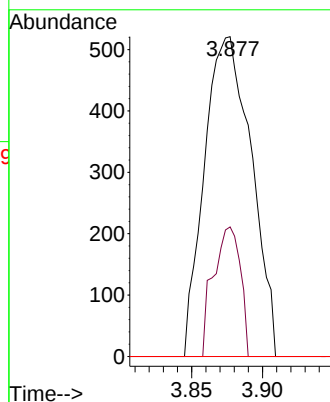
Tgt Ion: 63 Resp: 1199

Ion Ratio Lower Upper

63 100

65 40.5 22.3 41.5

83 0.0 9.6 17.8#



#25

Chloroform

Concen: 1.897 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.003 min

Lab File: VU046003.D

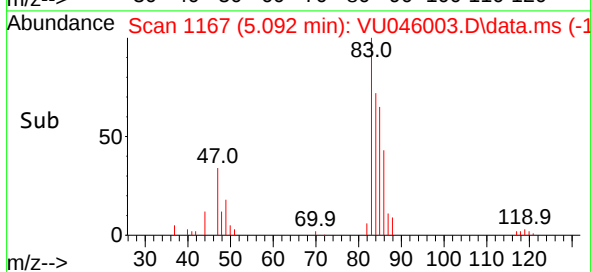
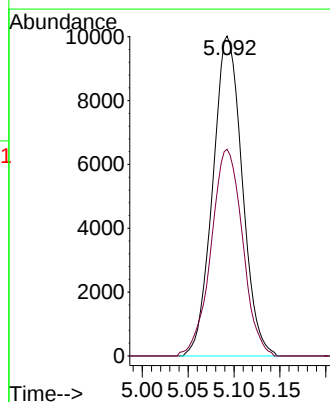
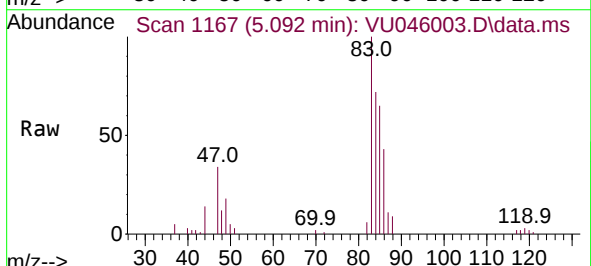
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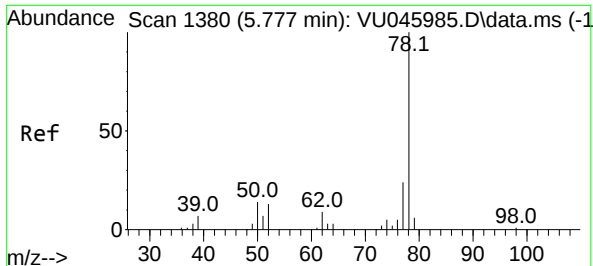
Tgt Ion: 83 Resp: 22382

Ion Ratio Lower Upper

83 100

85 64.6 46.9 87.1

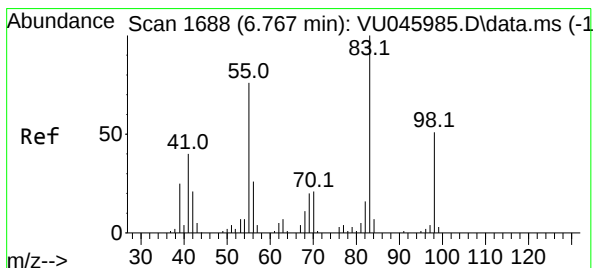
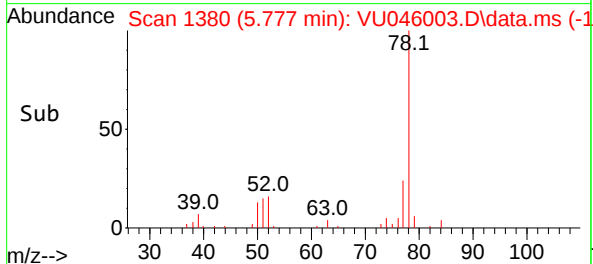
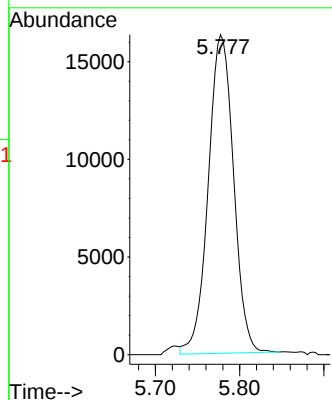
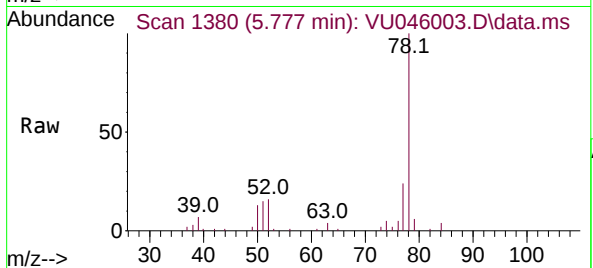




#33
Benzene
Concen: 1.386 ug/L
RT: 5.777 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU046003.D
Acq: 24 Nov 2021 18:38

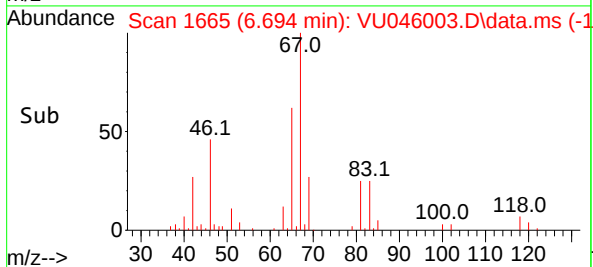
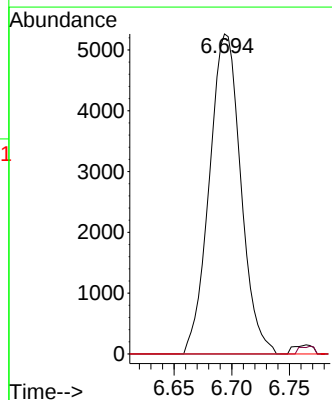
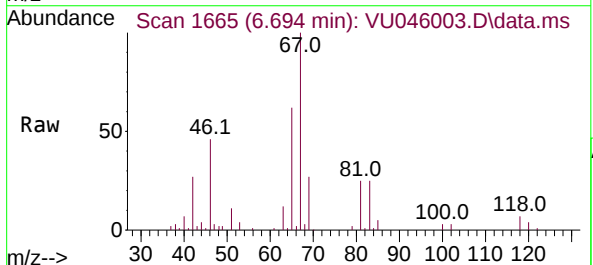
Instrument :
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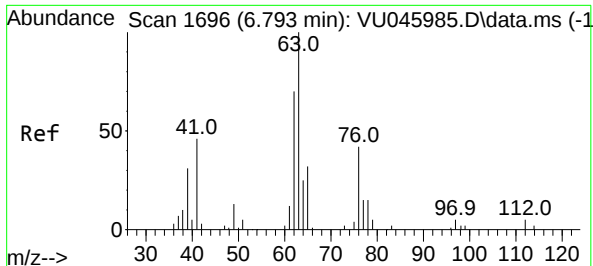
Tgt Ion: 78 Resp: 34021



#35
Methylcyclohexane
Concen: 1.027 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046003.D
Acq: 24 Nov 2021 18:38

Tgt Ion: 83 Resp: 9973
Ion Ratio Lower Upper
83 100
55 1.1 61.9 92.9#
98 0.0 39.0 58.6#





#37

1,2-Dichloropropane

Concen: 0.280 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU046003.D

Acq: 24 Nov 2021 18:38

Instrument :

MSVOA_U

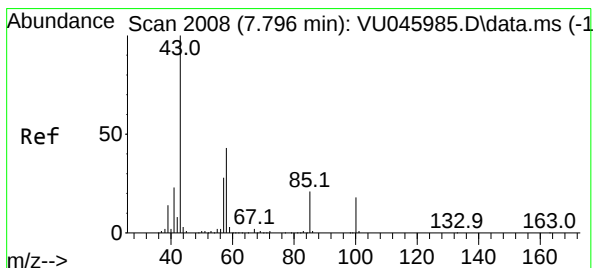
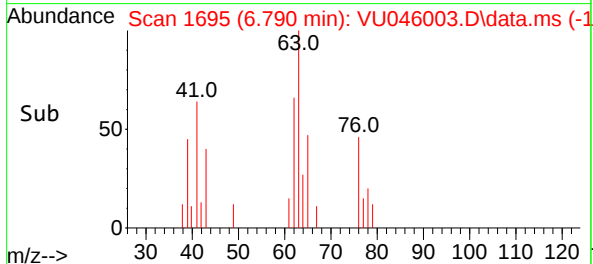
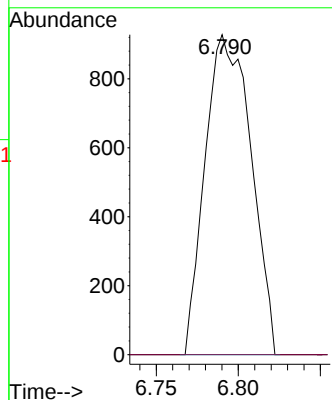
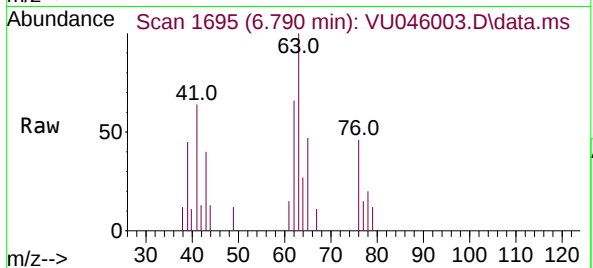
ClientSampleId :

Tgt Ion: 63 Resp: 1806

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#40

4-Methyl-2-pentanone

Concen: 10.033 ug/L

RT: 7.797 min Scan# 2008

Delta R.T. 0.000 min

Lab File: VU046003.D

Acq: 24 Nov 2021 18:38

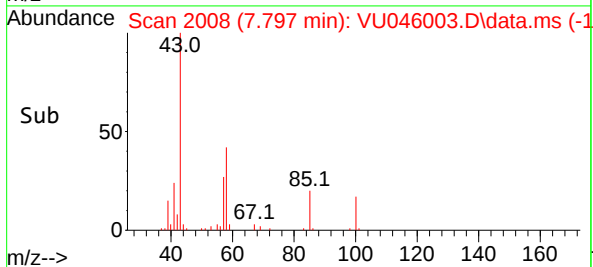
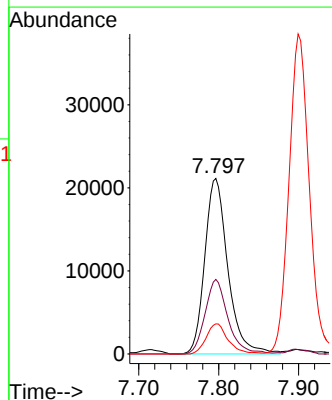
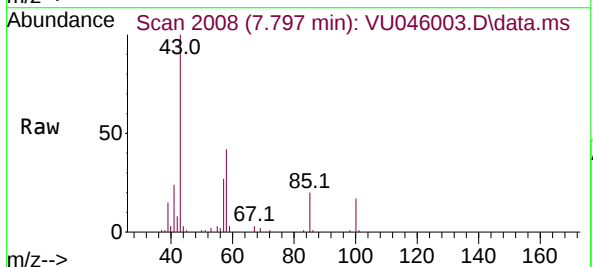
Tgt Ion: 43 Resp: 42494

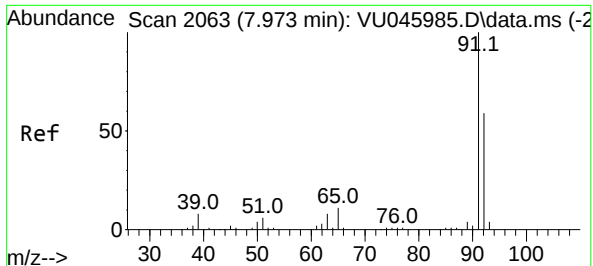
Ion Ratio Lower Upper

43 100

58 41.9 33.1 49.7

100 16.3 13.2 19.8

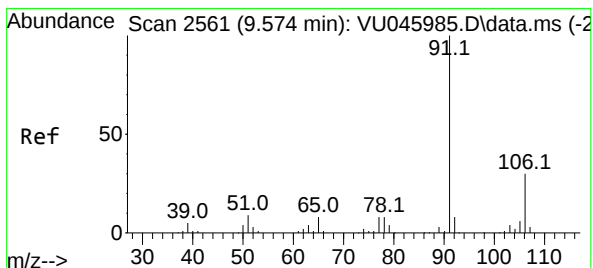
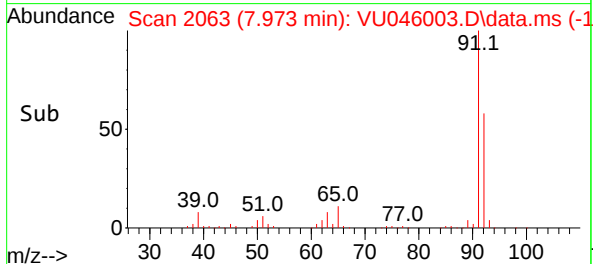
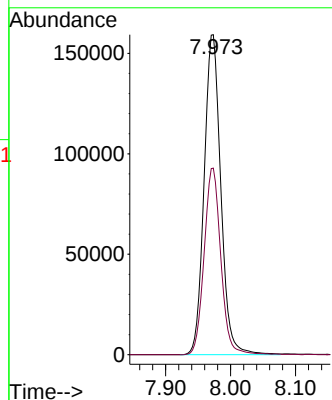
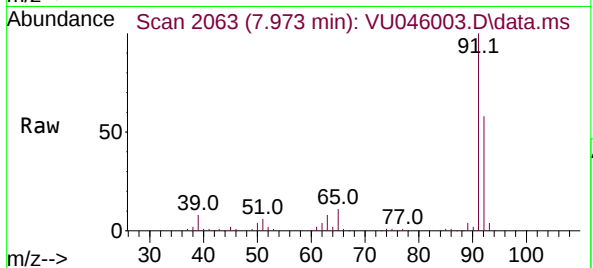




#42
Toluene
Concen: 11.281 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU046003.D
Acq: 24 Nov 2021 18:38

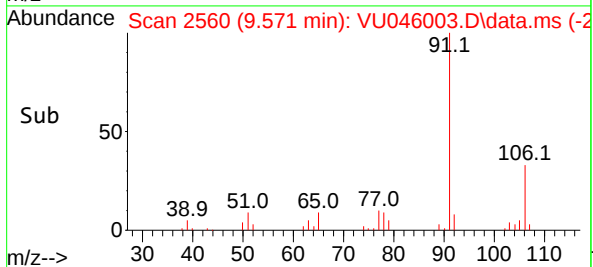
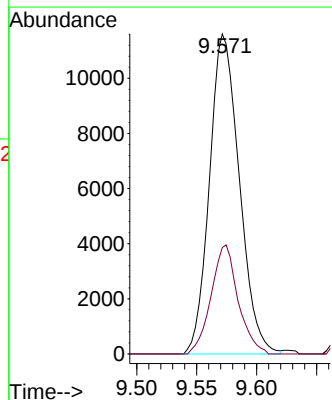
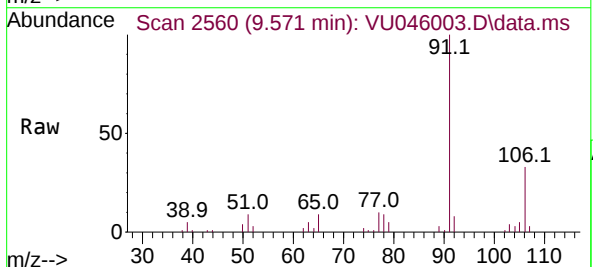
Instrument :
MSVOA_U
ClientSampleId :

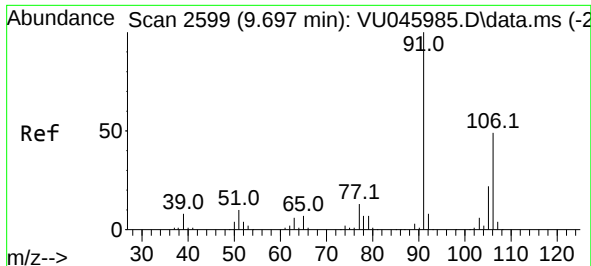
Tgt Ion: 91 Resp: 285723
Ion Ratio Lower Upper
91 100
92 58.3 41.3 76.7



#52
Ethylbenzene
Concen: 0.757 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.003 min
Lab File: VU046003.D
Acq: 24 Nov 2021 18:38

Tgt Ion: 91 Resp: 20069
Ion Ratio Lower Upper
91 100
106 33.2 21.5 39.9

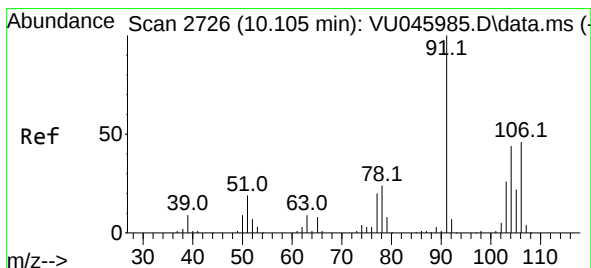
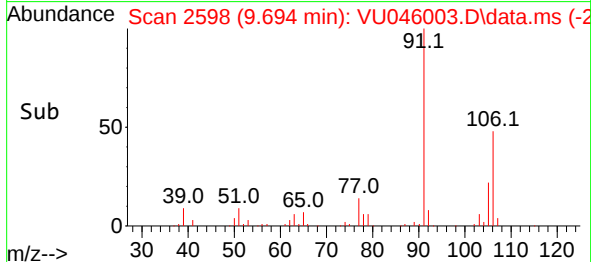
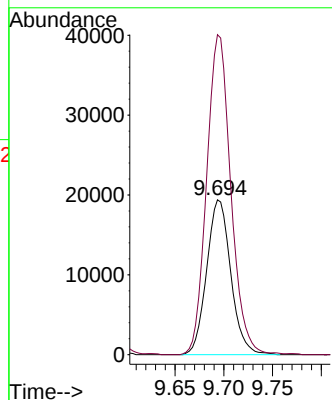
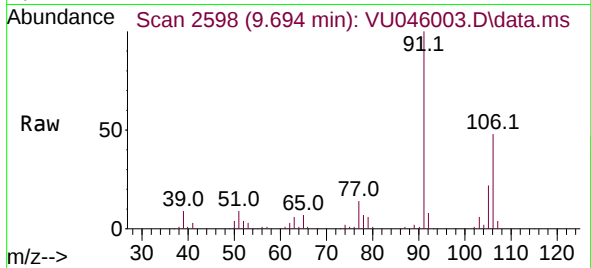




#53
m,p-Xylene
Concen: 3.282 ug/L
RT: 9.694 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046003.D
Acq: 24 Nov 2021 18:38

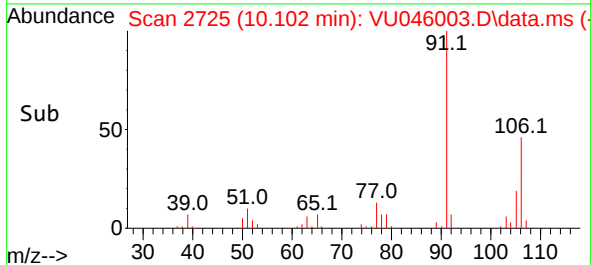
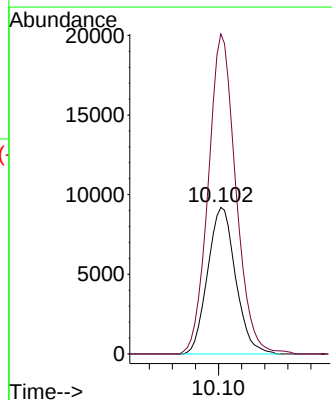
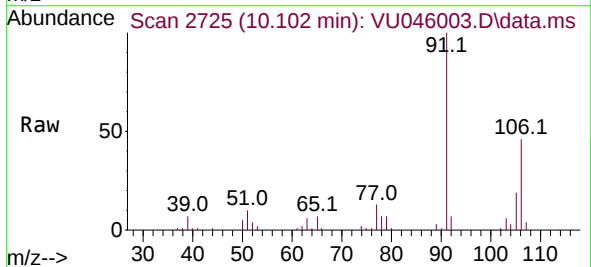
Instrument :
MSVOA_U
ClientSampleId :

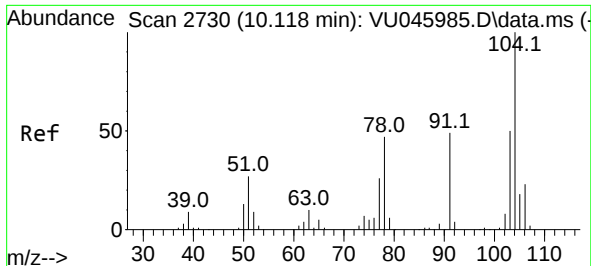
Tgt Ion:106 Resp: 33335
Ion Ratio Lower Upper
106 100
91 206.6 139.4 259.0



#54
o-Xylene
Concen: 1.578 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.003 min
Lab File: VU046003.D
Acq: 24 Nov 2021 18:38

Tgt Ion:106 Resp: 15466
Ion Ratio Lower Upper
106 100
91 218.3 147.5 273.9

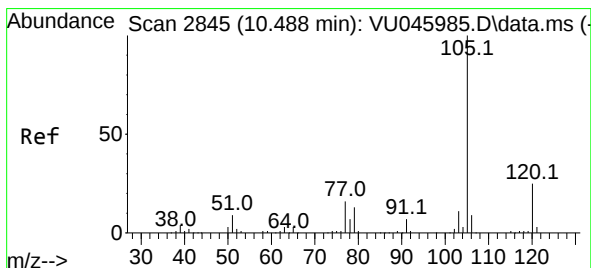
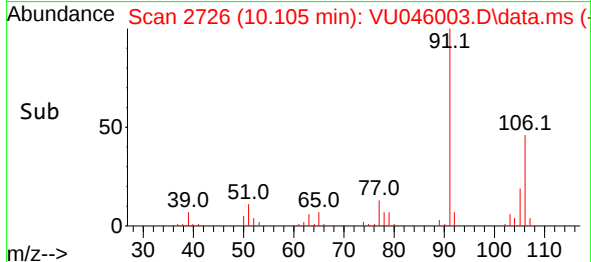
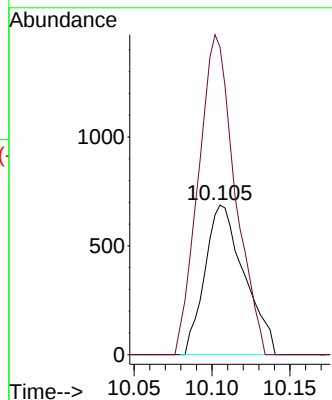
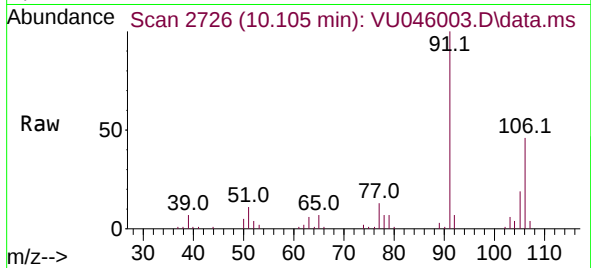




#55
Styrene
Concen: 0.073 ug/L
RT: 10.105 min Scan# 21
Delta R.T. -0.013 min
Lab File: VU046003.D
Acq: 24 Nov 2021 18:38

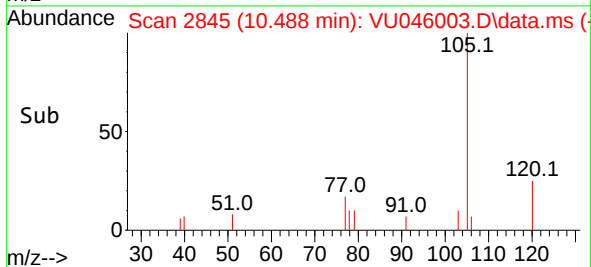
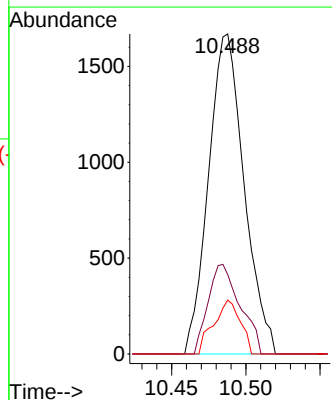
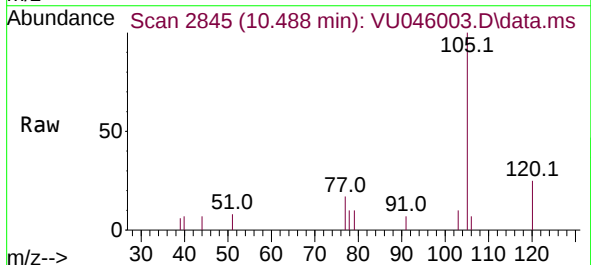
Instrument :
MSVOA_U
ClientSampleId :

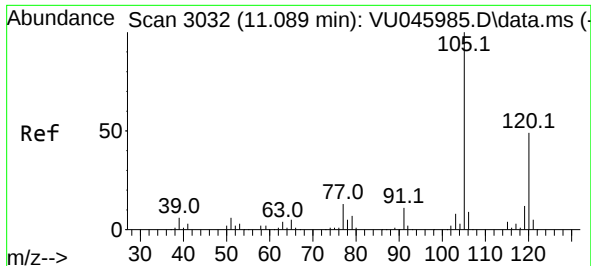
Tgt Ion:104 Resp: 1209
Ion Ratio Lower Upper
104 100
78 205.5 33.0 61.4#



#60
Isopropylbenzene
Concen: 0.111 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. 0.000 min
Lab File: VU046003.D
Acq: 24 Nov 2021 18:38

Tgt Ion:105 Resp: 2776
Ion Ratio Lower Upper
105 100
120 25.2 20.7 31.1
77 12.6 12.6 19.0





#62

1,3,5-Trimethylbenzene

Concen: 0.079 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VU046003.D

Acq: 24 Nov 2021 18:38

Instrument :

MSVOA_U

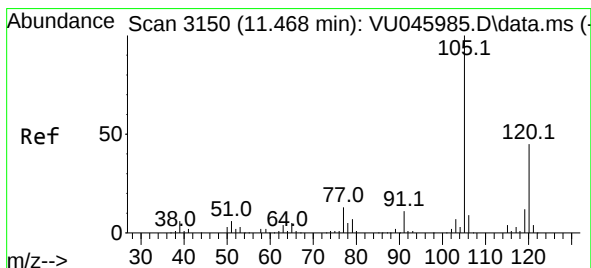
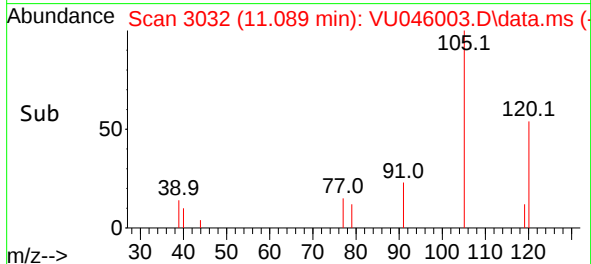
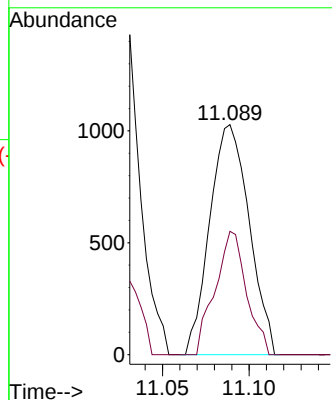
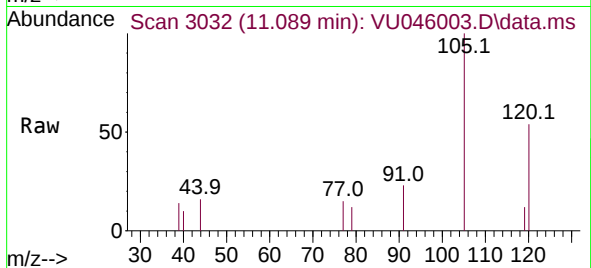
ClientSampleId :

Tgt Ion:105 Resp: 1629

Ion Ratio Lower Upper

105 100

120 42.5 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 0.268 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU046003.D

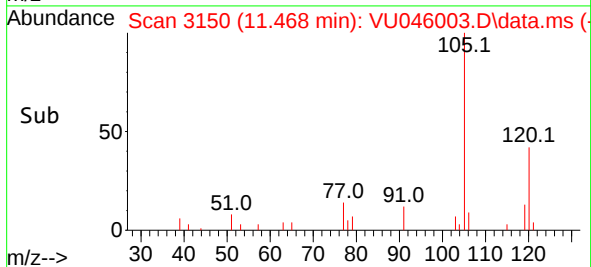
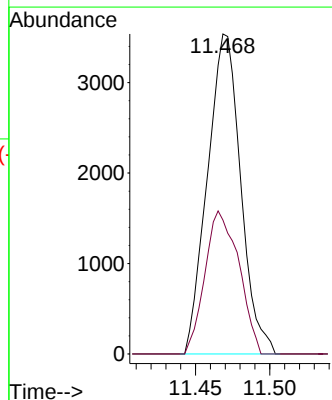
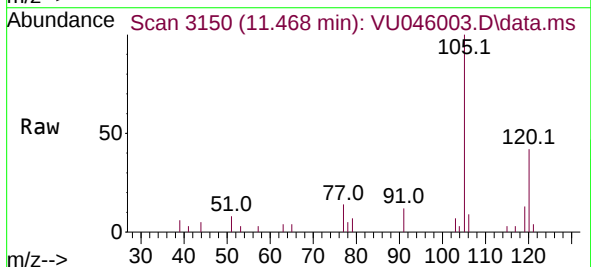
Acq: 24 Nov 2021 18:38

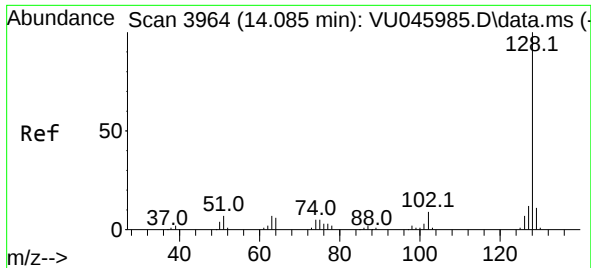
Tgt Ion:105 Resp: 5503

Ion Ratio Lower Upper

105 100

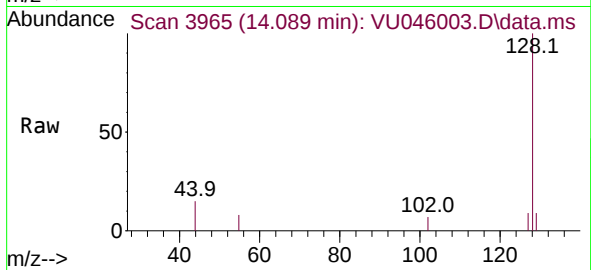
120 45.6 35.8 53.8





#71
Naphthalene
Concen: 0.154 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU046003.D
Acq: 24 Nov 2021 18:38

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 2343
Ion Ratio Lower Upper
128 100
129 5.4 8.4 12.6#
127 8.2 10.2 15.2#

