

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112321\
 Data File : VU045967.D
 Acq On : 23 Nov 2021 19:42
 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 24 00:34:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 24 00:27:16 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	88300	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	89804	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	41742	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	16215	2.318	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	46.400%
7) Chloroethane-d5	1.919	69	25561	5.019	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.400%
11) 1,1-Dichloroethene-d2	2.572	65	11752	4.005	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.200%
20) 2-Butanone-d5	4.649	46	133683	71.305	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	142.620%#
24) Chloroform-d	5.067	84	64474	5.532	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.600%
26) 1,2-Dichloroethane-d4	5.703	65	38412	5.617	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.400%
32) Benzene-d6	5.732	84	128279	5.187	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.800%
36) 1,2-Dichloropropane-d6	6.694	67	42178	5.411	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.200%
41) Toluene-d8	7.899	98	112191	5.015	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.200%
43) trans-1,3-Dichloroprop...	8.182	79	13059	4.127	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.600%
46) 2-Hexanone-d5	8.636	63	95535	67.083	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	134.160%#
56) 1,1,2,2-Tetrachloroeth...	10.758	84	40561	6.160	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	123.200%#
66) 1,2-Dichlorobenzene-d4	12.195	152	45441	6.340	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	126.800%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	1563	0.205	ug/L	98
8) Chloroethane	1.938	64	1212	0.278	ug/L	90
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	275	0.048	ug/L #	21
13) Acetone	2.668	43	4314	3.909	ug/L	91
14) Carbon disulfide	2.800	76	187544	10.849	ug/L	99
15) Methyl Acetate	2.970	43	682	0.252	ug/L #	51
16) Methylene chloride	3.051	84	12959	1.606	ug/L	93
19) 1,1-Dichloroethane	3.871	63	1031	0.094	ug/L #	83
21) 2-Butanone	4.732	43	6841	3.685	ug/L	95
25) Chloroform	5.092	83	22414	1.882	ug/L	97
33) Benzene	5.777	78	34343	1.370	ug/L	100
35) Methylcyclohexane	6.694	83	10217	1.030	ug/L #	18
37) 1,2-Dichloropropane	6.797	63	1847	0.280	ug/L #	88
40) 4-Methyl-2-pentanone	7.793	43	45552	10.531	ug/L	99
42) Toluene	7.970	91	284541	11.000	ug/L	99
52) Ethylbenzene	9.571	91	20229	0.747	ug/L	95
53) m,p-Xylene	9.694	106	32870	3.169	ug/L	94
54) o-Xylene	10.102	106	15038	1.502	ug/L	93
55) Styrene	10.111	104	1078	0.064	ug/L #	1

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QLast Update : Wed Nov 24 00:27:16 2021
Response via : Initial Calibration

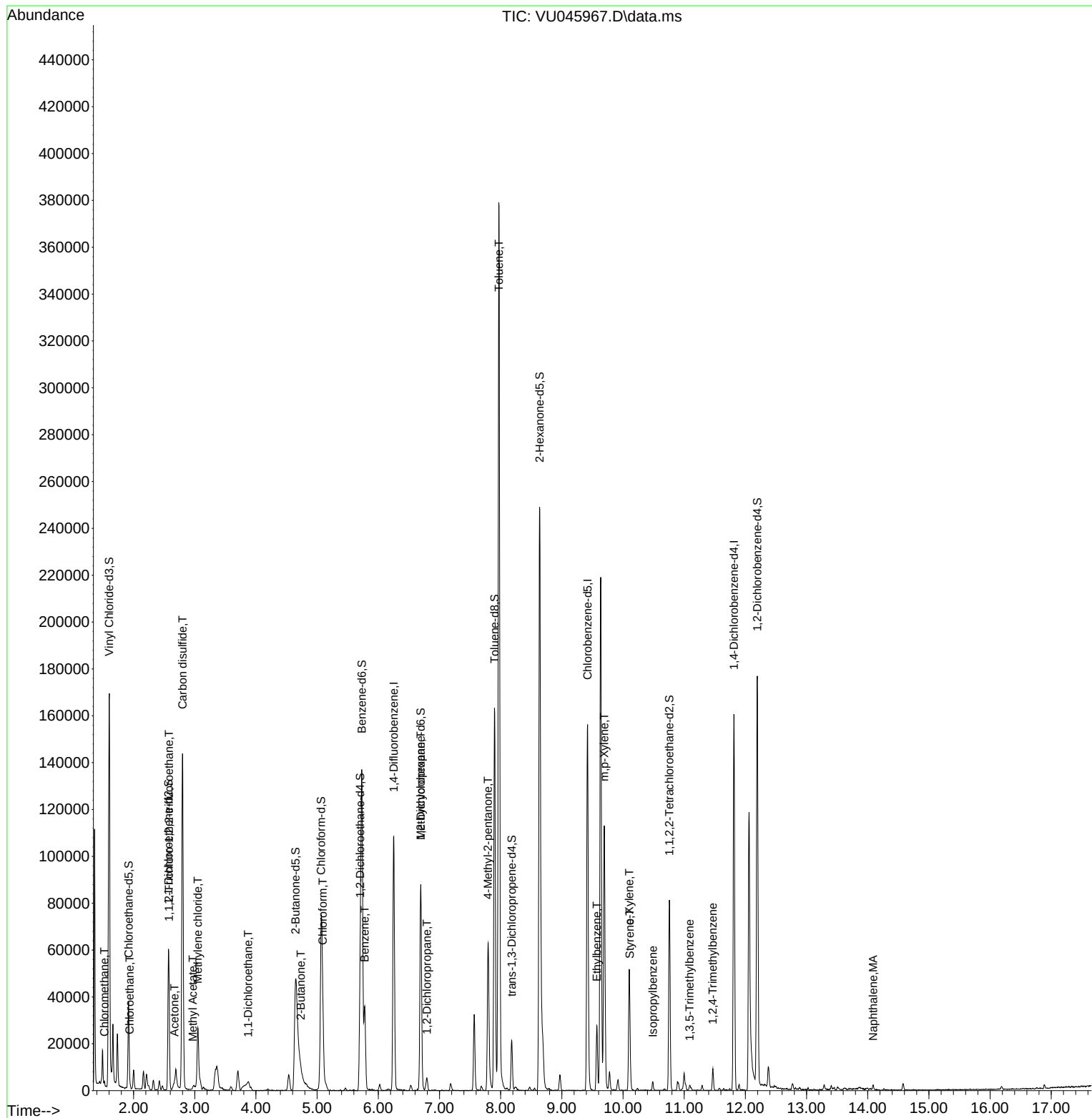
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) Isopropylbenzene	10.488	105	2822	0.115	ug/L	95
62) 1,3,5-Trimethylbenzene	11.089	105	1615	0.081	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	5479	0.273	ug/L	97
71) Naphthalene	14.089	128	2366	0.159	ug/L #	92

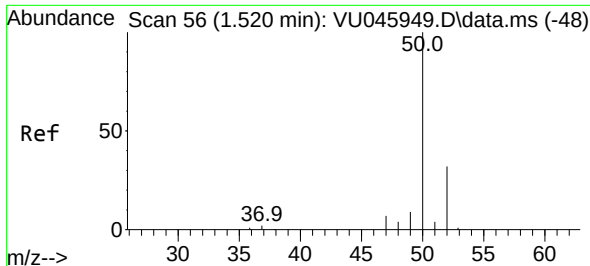
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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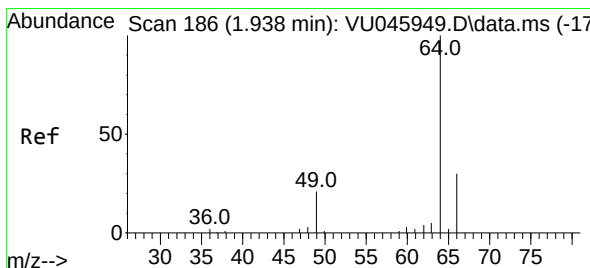
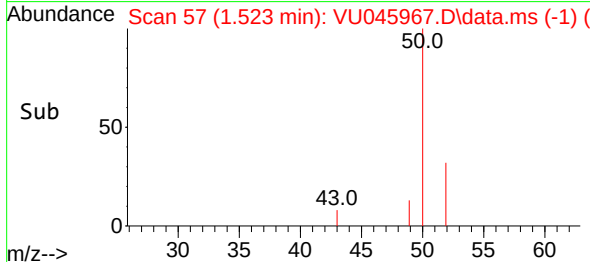
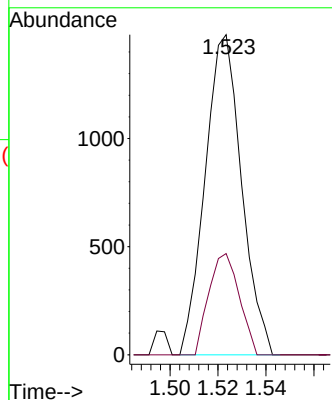
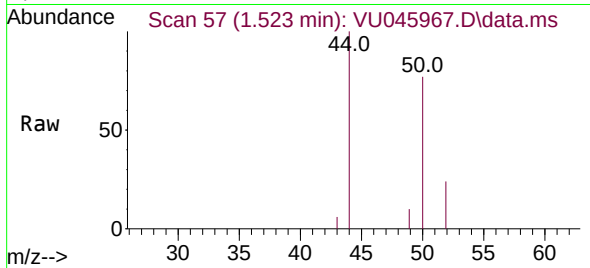




#3
Chloromethane
Concen: 0.205 ug/L
RT: 1.523 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU045967.D
Acq: 23 Nov 2021 19:42

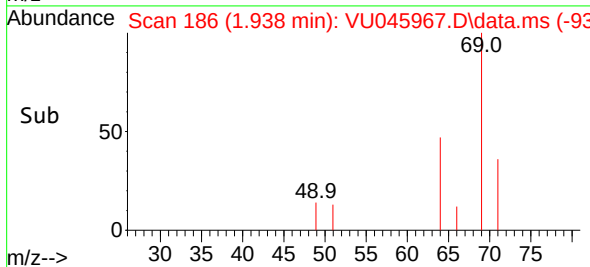
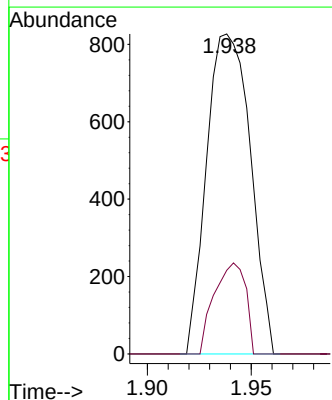
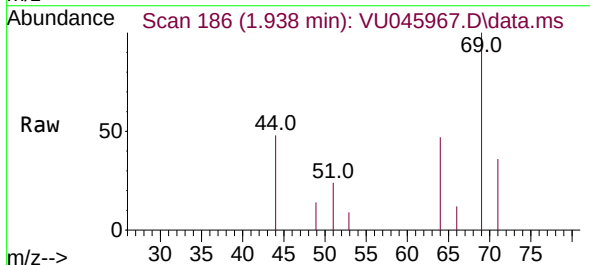
Instrument :
MSVOA_U
ClientSampleId :

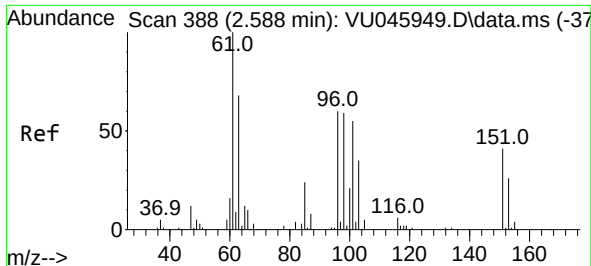
Tgt Ion: 50 Resp: 1563
Ion Ratio Lower Upper
50 100
52 31.6 23.0 42.8



#8
Chloroethane
Concen: 0.278 ug/L
RT: 1.938 min Scan# 186
Delta R.T. 0.000 min
Lab File: VU045967.D
Acq: 23 Nov 2021 19:42

Tgt Ion: 64 Resp: 1212
Ion Ratio Lower Upper
64 100
66 26.1 22.1 41.1

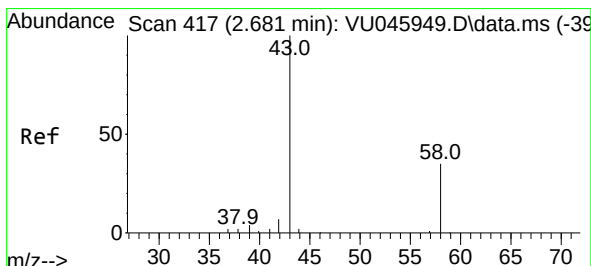
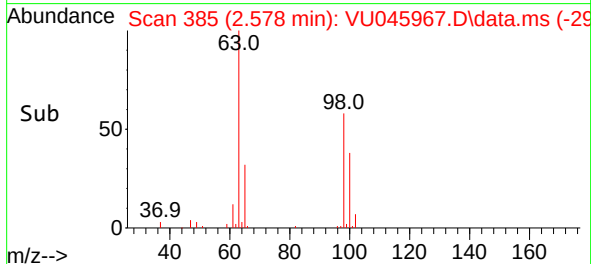
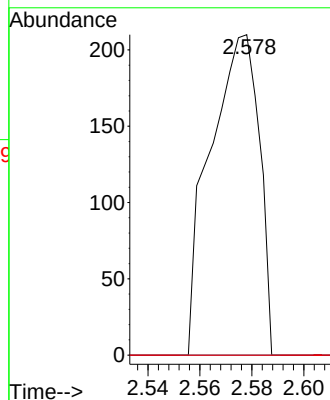
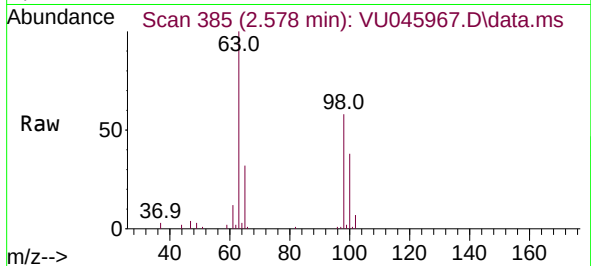




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.048 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.010 min
Lab File: VU045967.D
Acq: 23 Nov 2021 19:42

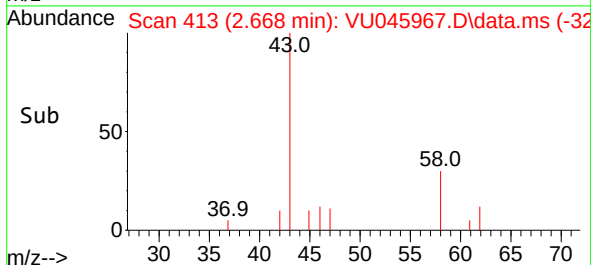
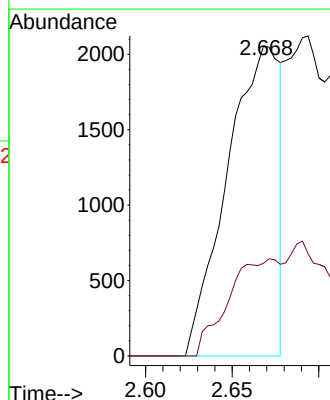
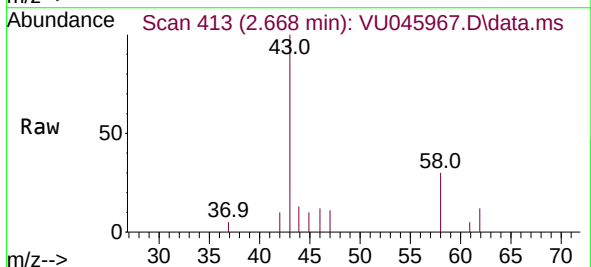
Instrument :
MSVOA_U
ClientSampleId :

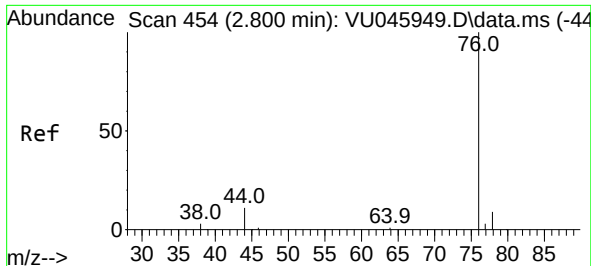
Tgt Ion:101 Resp: 275
Ion Ratio Lower Upper
101 100
85 0.0 34.6 51.8#
151 0.0 56.1 84.1#



#13
Acetone
Concen: 3.909 ug/L
RT: 2.668 min Scan# 413
Delta R.T. -0.013 min
Lab File: VU045967.D
Acq: 23 Nov 2021 19:42

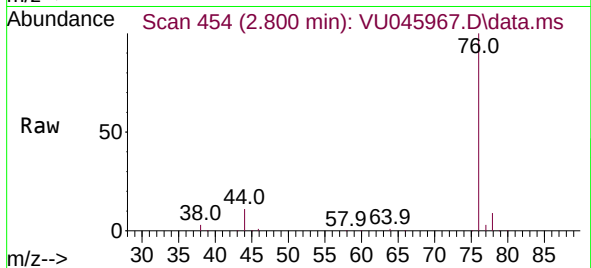
Tgt Ion: 43 Resp: 4314
Ion Ratio Lower Upper
43 100
58 30.8 0.0 71.6



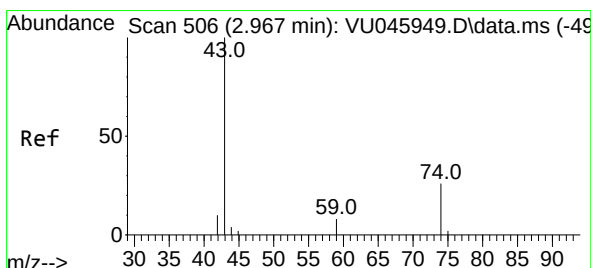
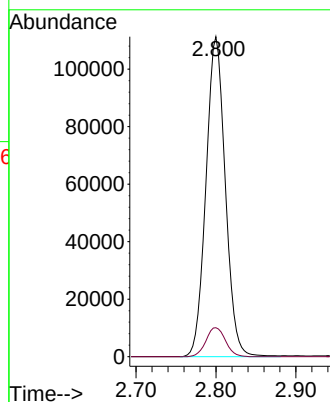
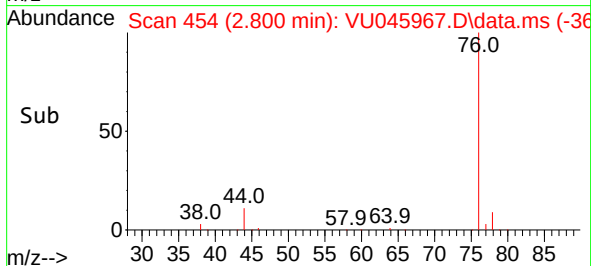


#14
Carbon disulfide
Concen: 10.849 ug/L
RT: 2.800 min Scan# 41
Delta R.T. 0.000 min
Lab File: VU045967.D
Acq: 23 Nov 2021 19:42

Instrument :
MSVOA_U
ClientSampleId :

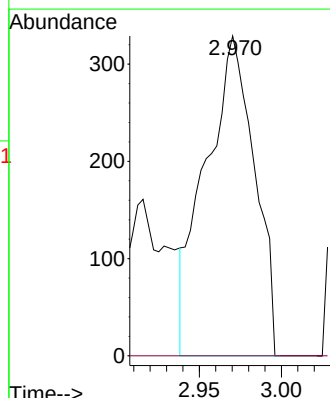
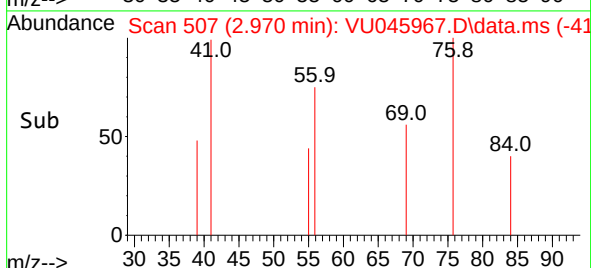
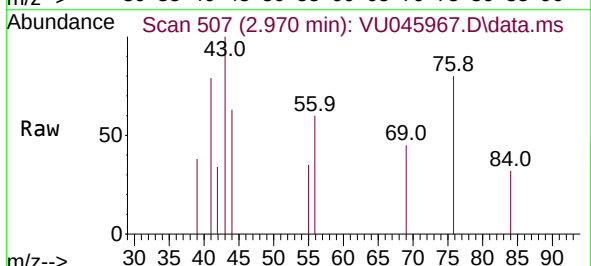


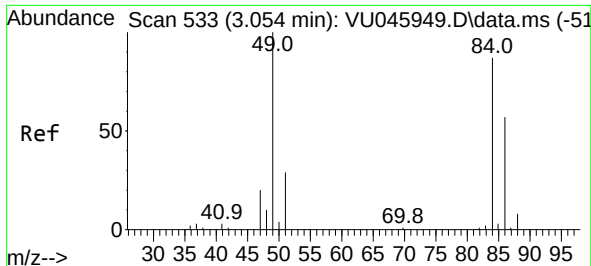
Tgt Ion: 76 Resp: 187544
Ion Ratio Lower Upper
76 100
78 9.1 7.5 11.3



#15
Methyl Acetate
Concen: 0.252 ug/L
RT: 2.970 min Scan# 507
Delta R.T. 0.003 min
Lab File: VU045967.D
Acq: 23 Nov 2021 19:42

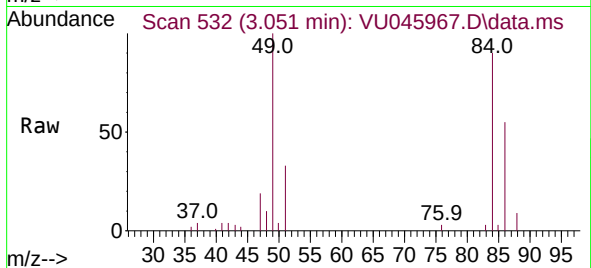
Tgt Ion: 43 Resp: 682
Ion Ratio Lower Upper
43 100
74 0.0 19.1 28.7#



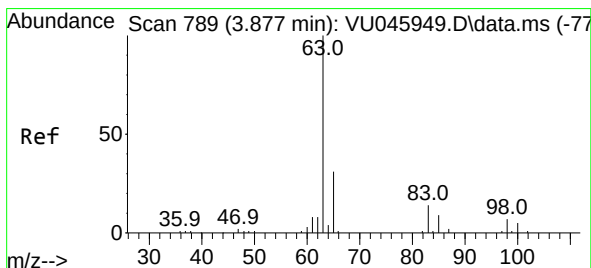
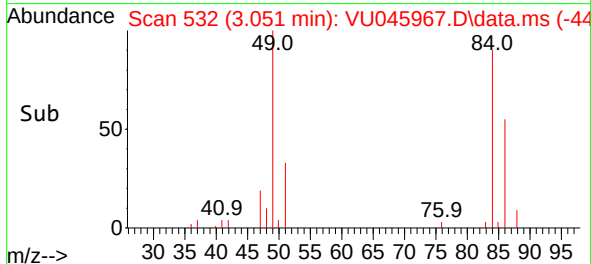
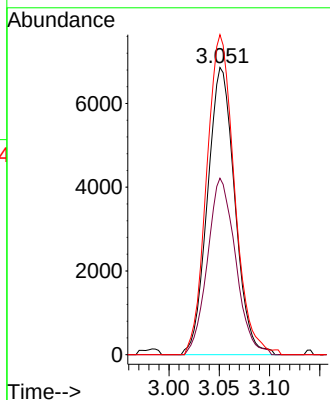


#16
Methylene chloride
Concen: 1.606 ug/L
RT: 3.051 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU045967.D
Acq: 23 Nov 2021 19:42

Instrument :
MSVOA_U
ClientSampleId :

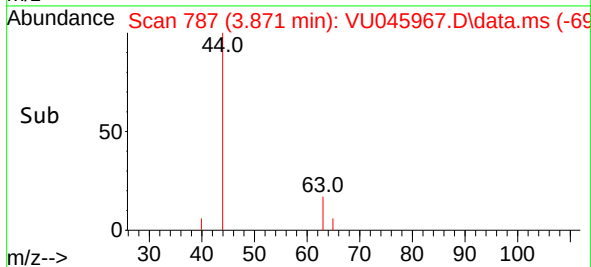
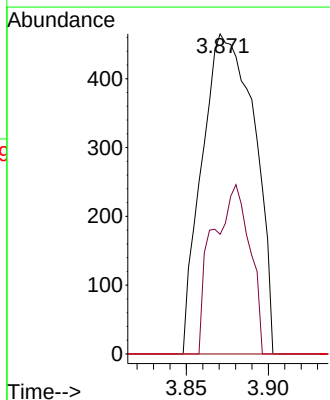
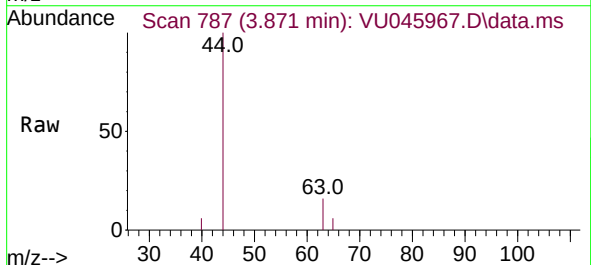


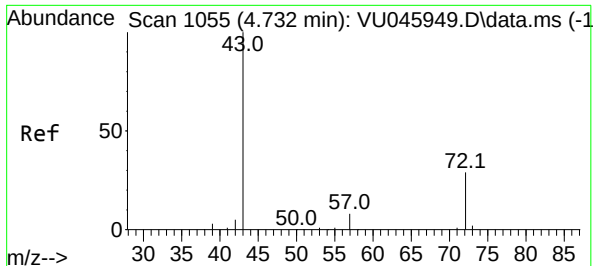
Tgt Ion: 84 Resp: 12959
Ion Ratio Lower Upper
84 100
86 61.5 45.8 85.0
49 111.4 84.5 156.9



#19
1,1-Dichloroethane
Concen: 0.094 ug/L
RT: 3.871 min Scan# 787
Delta R.T. -0.006 min
Lab File: VU045967.D
Acq: 23 Nov 2021 19:42

Tgt Ion: 63 Resp: 1031
Ion Ratio Lower Upper
63 100
65 37.4 22.3 41.5
83 0.0 9.6 17.8#

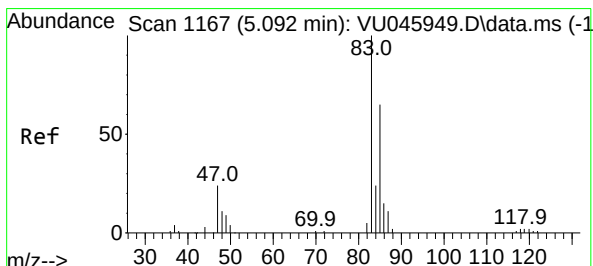
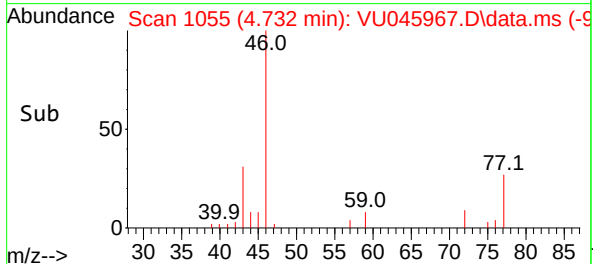
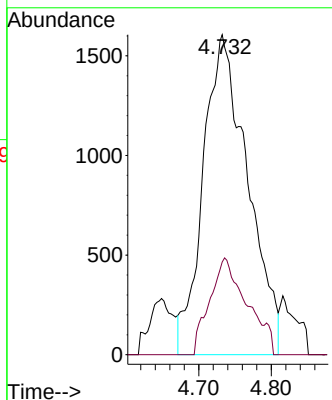
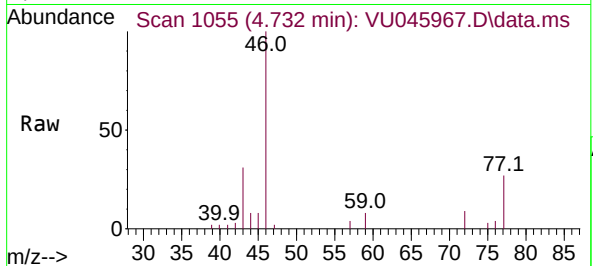




#21
2-Butanone
Concen: 3.685 ug/L
RT: 4.732 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VU045967.D
Acq: 23 Nov 2021 19:42

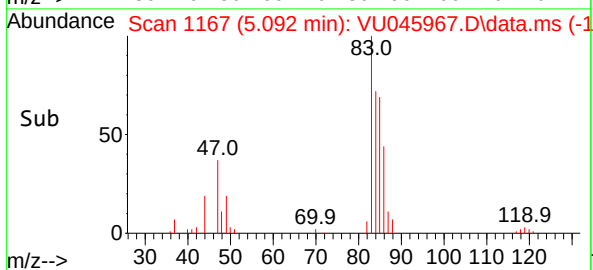
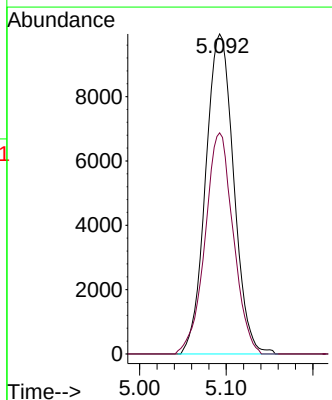
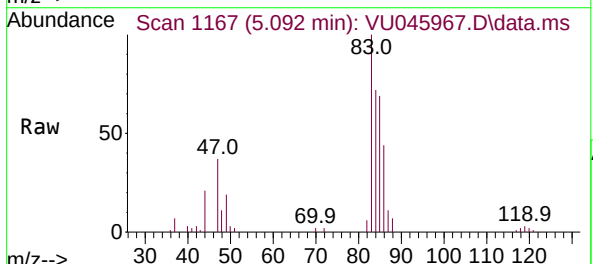
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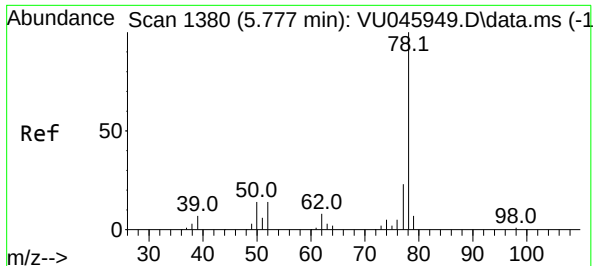
Tgt Ion: 43 Resp: 6841
Ion Ratio Lower Upper
43 100
72 25.4 14.1 42.3



#25
Chloroform
Concen: 1.882 ug/L
RT: 5.092 min Scan# 1167
Delta R.T. 0.000 min
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Tgt Ion: 83 Resp: 22414
Ion Ratio Lower Upper
83 100
85 69.1 46.9 87.1

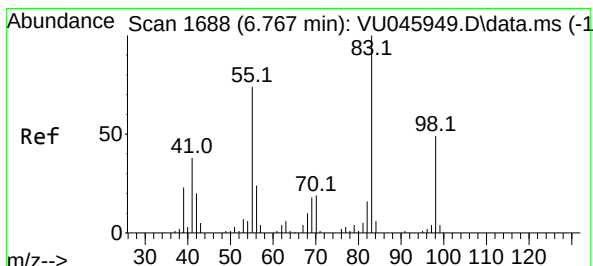
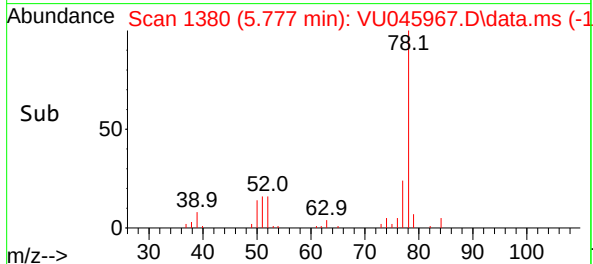
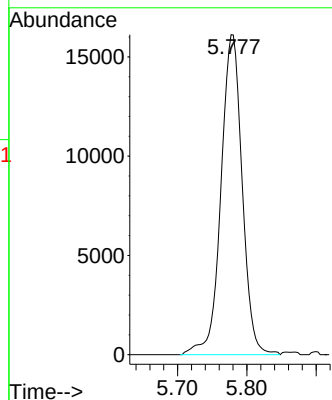
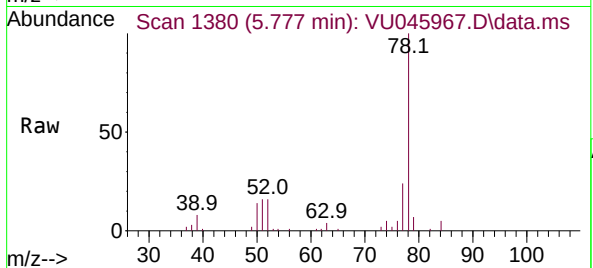




#33
Benzene
Concen: 1.370 ug/L
RT: 5.777 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU045967.D
Acq: 23 Nov 2021 19:42

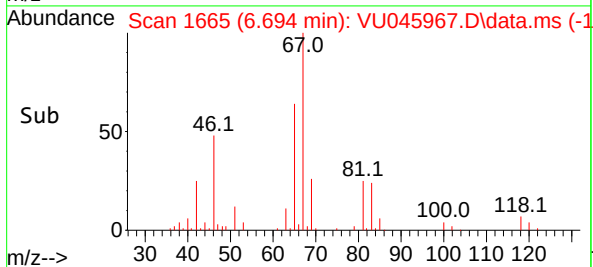
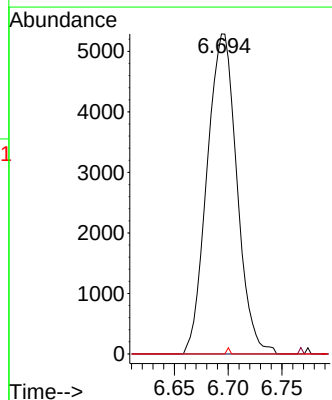
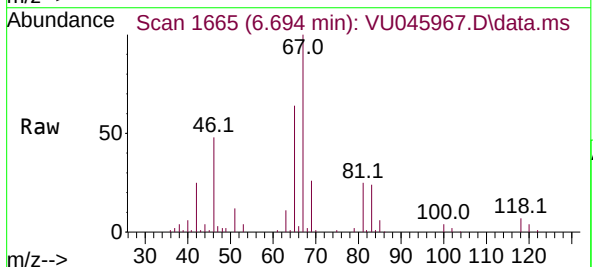
Instrument :
MSVOA_U
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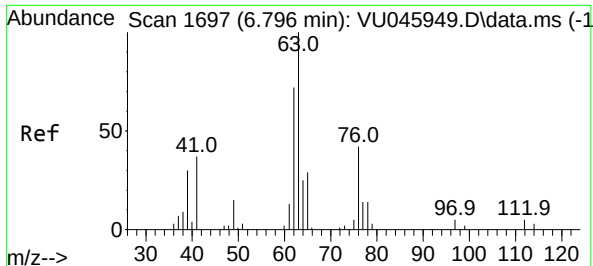
Tgt Ion: 78 Resp: 34343



#35
Methylcyclohexane
Concen: 1.030 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU045967.D
Acq: 23 Nov 2021 19:42

Tgt Ion: 83 Resp: 10217
Ion Ratio Lower Upper
83 100
55 0.2 61.9 92.9#
98 0.2 39.0 58.6#





#37

1,2-Dichloropropane

Concen: 0.280 ug/L

RT: 6.797 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU045967.D

Acq: 23 Nov 2021 19:42

Instrument :

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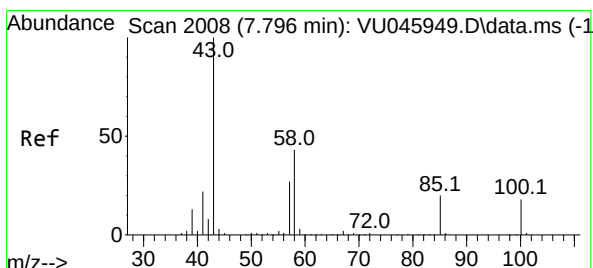
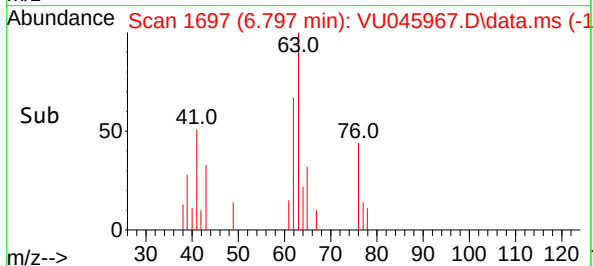
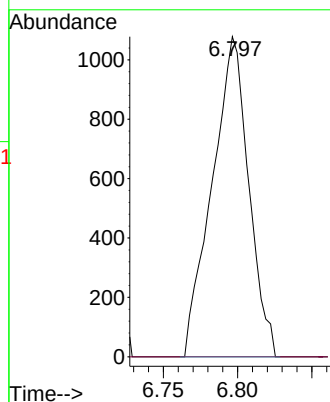
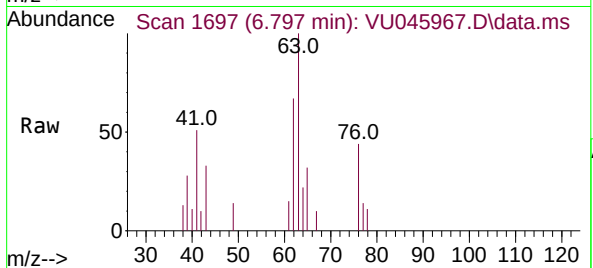
ClientSampleId :

Tgt Ion: 63 Resp: 1847

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#40

4-Methyl-2-pentanone

Concen: 10.531 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU045967.D

Acq: 23 Nov 2021 19:42

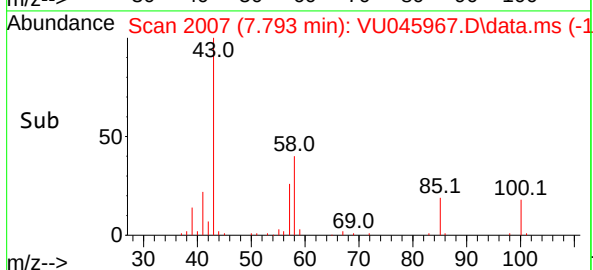
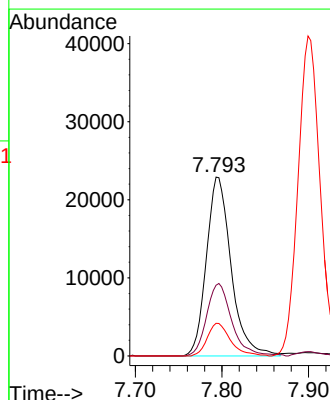
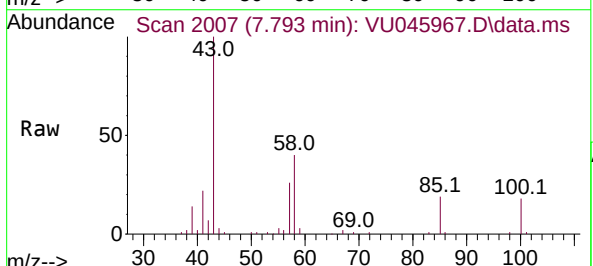
Tgt Ion: 43 Resp: 45552

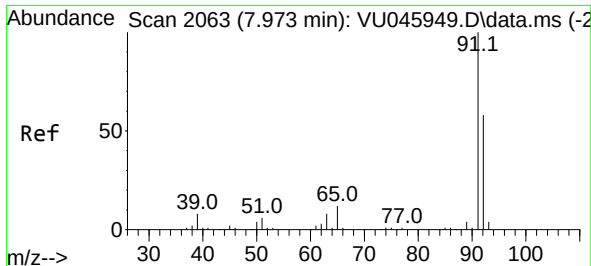
Ion Ratio Lower Upper

43 100

58 41.0 33.1 49.7

100 17.1 13.2 19.8





#42

Toluene

Concen: 11.000 ug/L

RT: 7.970 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VU045967.D

Acq: 23 Nov 2021 19:42

Instrument :

MSVOA_U

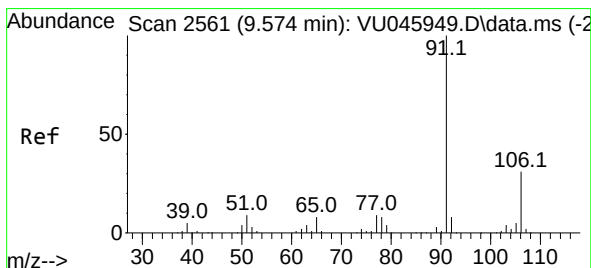
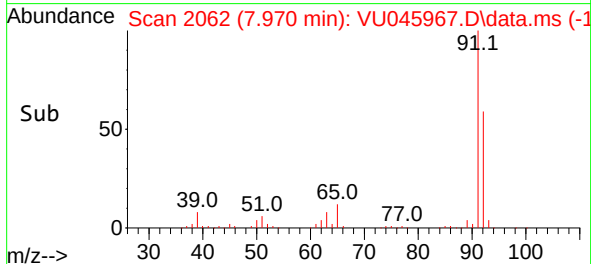
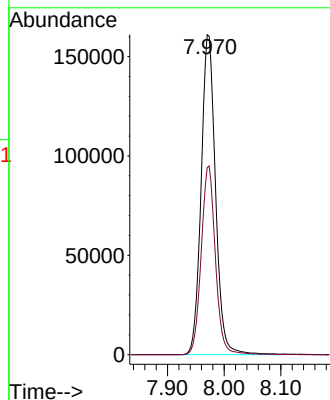
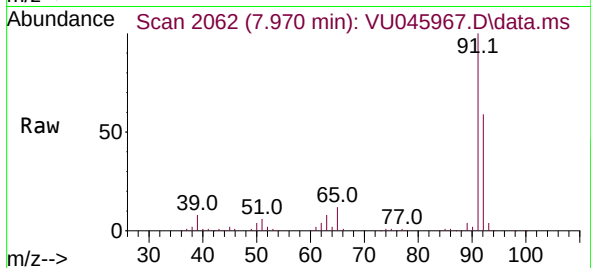
ClientSampleId :

Tgt Ion: 91 Resp: 284541

Ion Ratio Lower Upper

91 100

92 58.5 41.3 76.7



#52

Ethylbenzene

Concen: 0.747 ug/L

RT: 9.571 min Scan# 2560

Delta R.T. -0.003 min

Lab File: VU045967.D

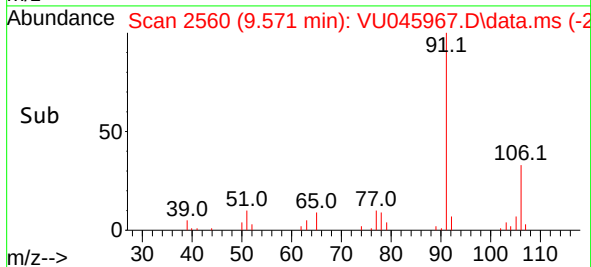
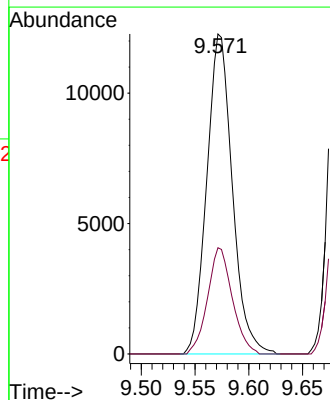
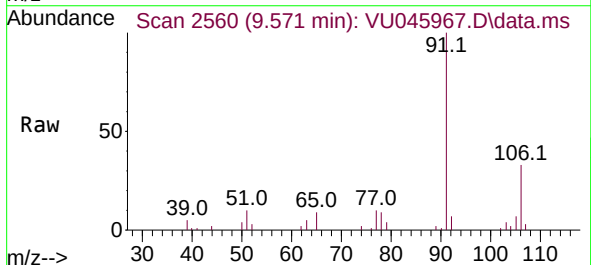
Acq: 23 Nov 2021 19:42

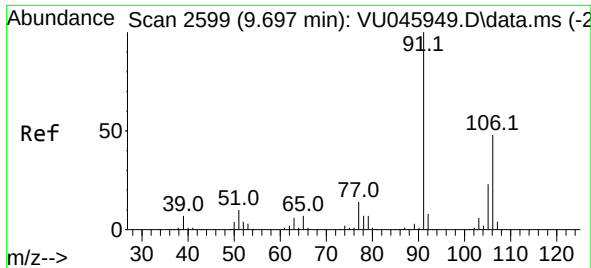
Tgt Ion: 91 Resp: 20229

Ion Ratio Lower Upper

91 100

106 33.2 21.5 39.9

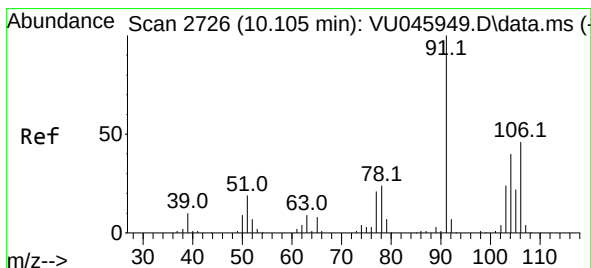
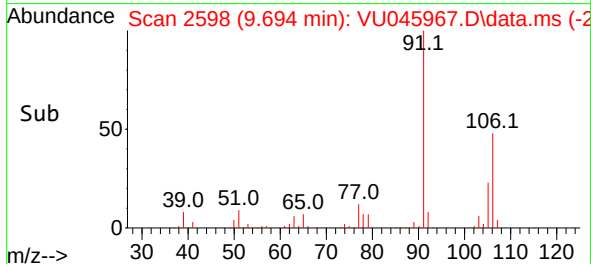
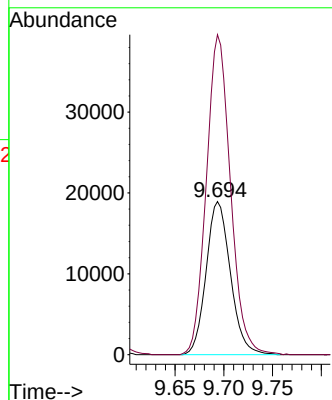
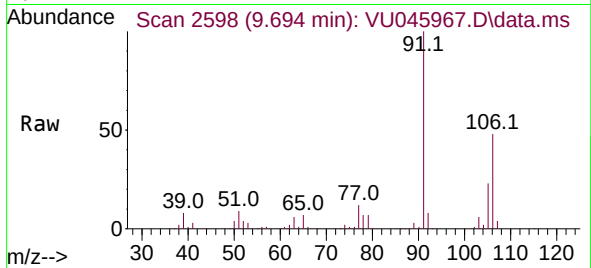




#53
m,p-Xylene
Concen: 3.169 ug/L
RT: 9.694 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU045967.D
Acq: 23 Nov 2021 19:42

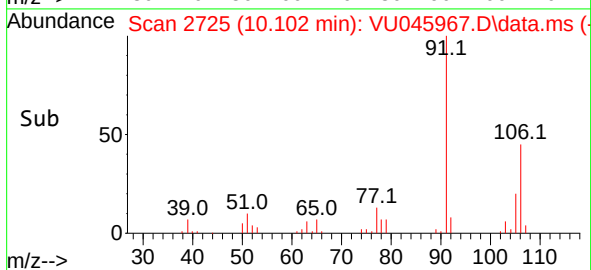
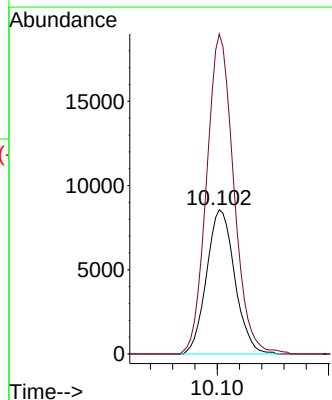
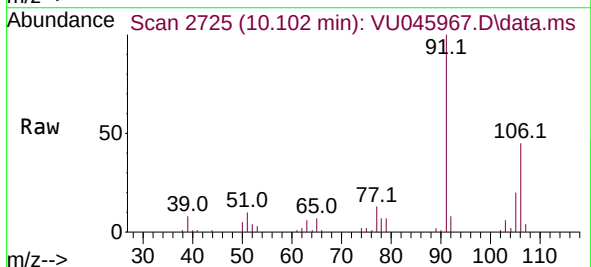
Instrument :
MSVOA_U
ClientSampleId :

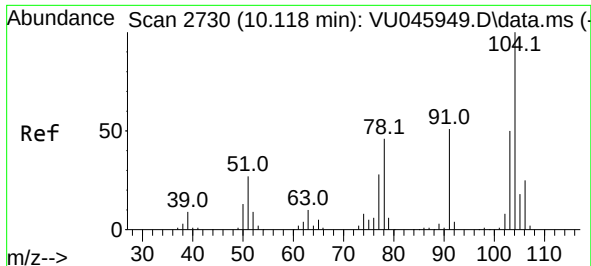
Tgt Ion:106 Resp: 32870
Ion Ratio Lower Upper
106 100
91 209.0 139.4 259.0



#54
o-Xylene
Concen: 1.502 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.003 min
Lab File: VU045967.D
Acq: 23 Nov 2021 19:42

Tgt Ion:106 Resp: 15038
Ion Ratio Lower Upper
106 100
91 222.0 147.5 273.9

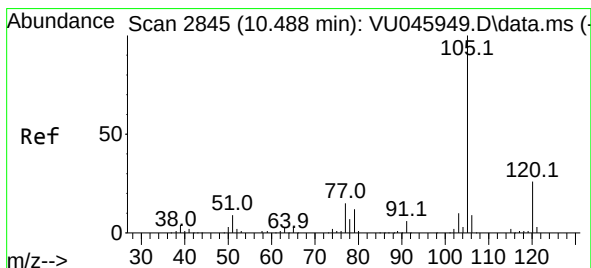
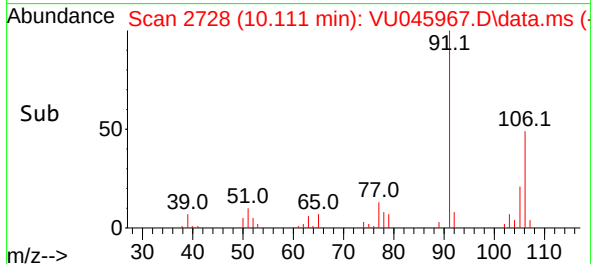
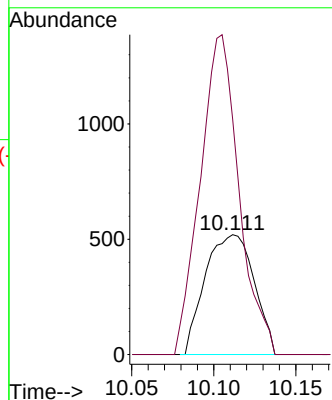
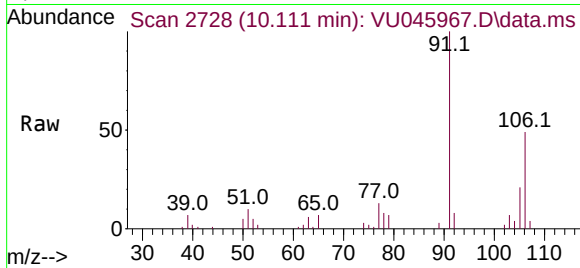




#55
Styrene
Concen: 0.064 ug/L
RT: 10.111 min Scan# 21
Delta R.T. -0.006 min
Lab File: VU045967.D
Acq: 23 Nov 2021 19:42

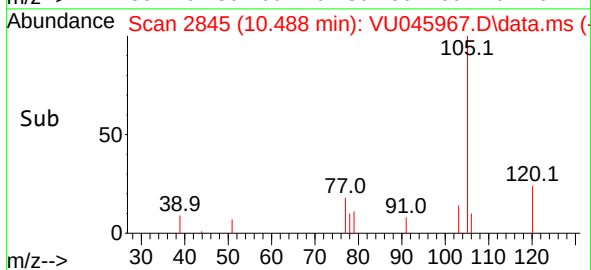
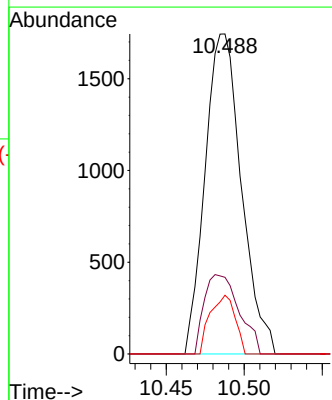
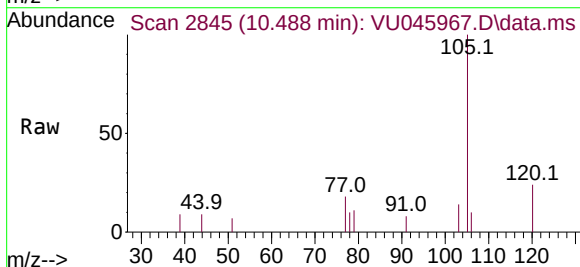
Instrument :
MSVOA_U
ClientSampleId :

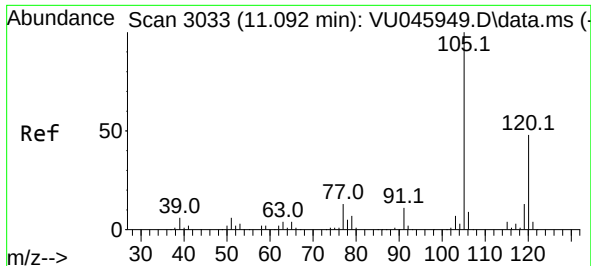
Tgt Ion:104 Resp: 1078
Ion Ratio Lower Upper
104 100
78 196.2 33.0 61.4#



#60
Isopropylbenzene
Concen: 0.115 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. 0.000 min
Lab File: VU045967.D
Acq: 23 Nov 2021 19:42

Tgt Ion:105 Resp: 2822
Ion Ratio Lower Upper
105 100
120 23.8 20.7 31.1
77 12.7 12.6 19.0





#62

1,3,5-Trimethylbenzene

Concen: 0.081 ug/L

RT: 11.089 min Scan# 3033

Delta R.T. -0.003 min

Lab File: VU045967.D

Acq: 23 Nov 2021 19:42

Instrument :

MSVOA_U

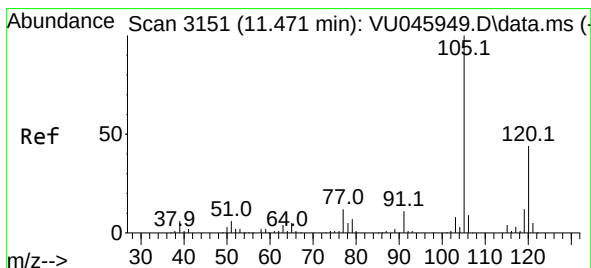
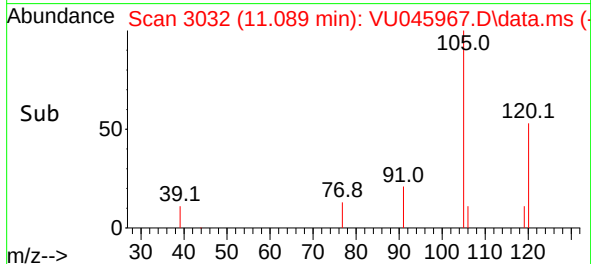
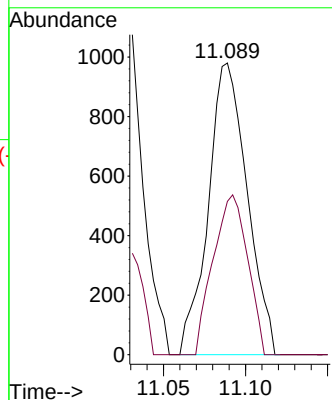
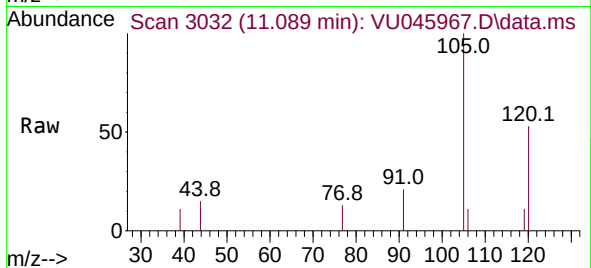
ClientSampleId :

Tgt Ion:105 Resp: 1615

Ion Ratio Lower Upper

105 100

120 48.5 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 0.273 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.003 min

Lab File: VU045967.D

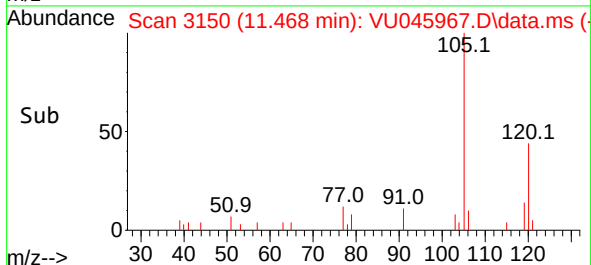
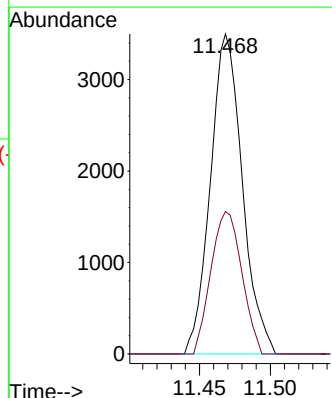
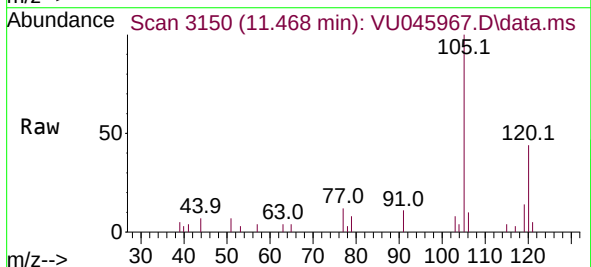
Acq: 23 Nov 2021 19:42

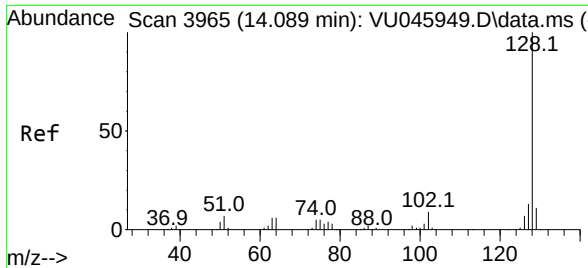
Tgt Ion:105 Resp: 5479

Ion Ratio Lower Upper

105 100

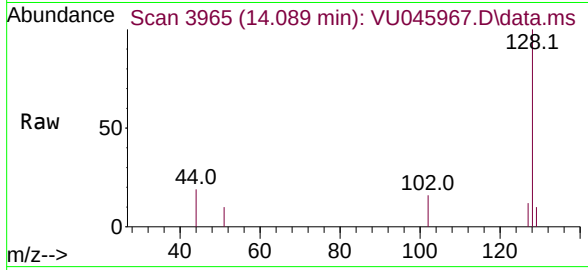
120 42.9 35.8 53.8





#71
 Naphthalene
 Concen: 0.159 ug/L
 RT: 14.089 min Scan# 3965
 Delta R.T. 0.000 min
 Lab File: VU045967.D
 Acq: 23 Nov 2021 19:42

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	128	Resp:	2366
Ion	Ratio	Lower	Upper
128	100		
129	8.2	8.4	12.6#
127	8.5	10.2	15.2#

