

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080822\
 Data File : VU050134.D
 Acq On : 08 Aug 2022 14:32
 Operator : SY/MD
 Sample : N4022-15RE
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 09 00:40:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR080422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Aug 09 00:39:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	69815	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	69452	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	29256	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	19272	3.317	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.400%
7) Chloroethane-d5	1.912	69	18208	3.884	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.600%
11) 1,1-Dichloroethene-d2	2.565	65	8341	3.673	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.400%
20) 2-Butanone-d5	4.623	46	79347	56.003	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.000%
24) Chloroform-d	5.067	84	45016	4.165	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.400%
26) 1,2-Dichloroethane-d4	5.703	65	25684	4.629	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.600%
32) Benzene-d6	5.729	84	83750	3.864	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.200%
36) 1,2-Dichloropropane-d6	6.694	67	30917	4.332	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.600%
41) Toluene-d8	7.899	98	65815	3.438	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.800%#
43) trans-1,3-Dichloroprop...	8.182	79	10485	4.100	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.000%
46) 2-Hexanone-d5	8.636	63	49595	54.683	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.360%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	32116	5.124	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.400%
66) 1,2-Dichlorobenzene-d4	12.195	152	25034	4.367	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.400%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	2798	0.373	ug/L #	79
8) Chloroethane	1.932	64	419	0.095	ug/L #	42
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	201	0.044	ug/L #	22
14) Carbon disulfide	2.793	76	3792	0.220	ug/L	99
18) trans-1,2-Dichloroethene	3.356	96	496	0.092	ug/L	96
22) cis-1,2-Dichloroethene	4.671	96	3318	0.553	ug/L	84
25) Chloroform	5.089	83	97	0.009	ug/L #	50
33) Benzene	5.777	78	7314	0.301	ug/L	100
35) Methylcyclohexane	6.694	83	6841	0.900	ug/L #	18
37) 1,2-Dichloropropane	6.690	63	3033	0.468	ug/L #	89
42) Toluene	7.970	91	22597	0.926	ug/L	100
52) Ethylbenzene	9.571	91	41852	1.757	ug/L	98
53) m,p-Xylene	9.693	106	66969	7.636	ug/L	98
54) o-Xylene	10.102	106	17801	2.033	ug/L	98
55) Styrene	10.105	104	1502	0.103	ug/L #	1
60) Isopropylbenzene	10.102	105	8241	0.422	ug/L #	23
62) 1,3,5-Trimethylbenzene	11.089	105	1019	0.185	ug/L	97
63) 1,2,4-Trimethylbenzene	11.471	105	3883	0.258	ug/L	98
71) Naphthalene	14.095	128	1501	0.138	ug/L #	69

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Aug 09 00:39:33 2022
Response via : Initial Calibration

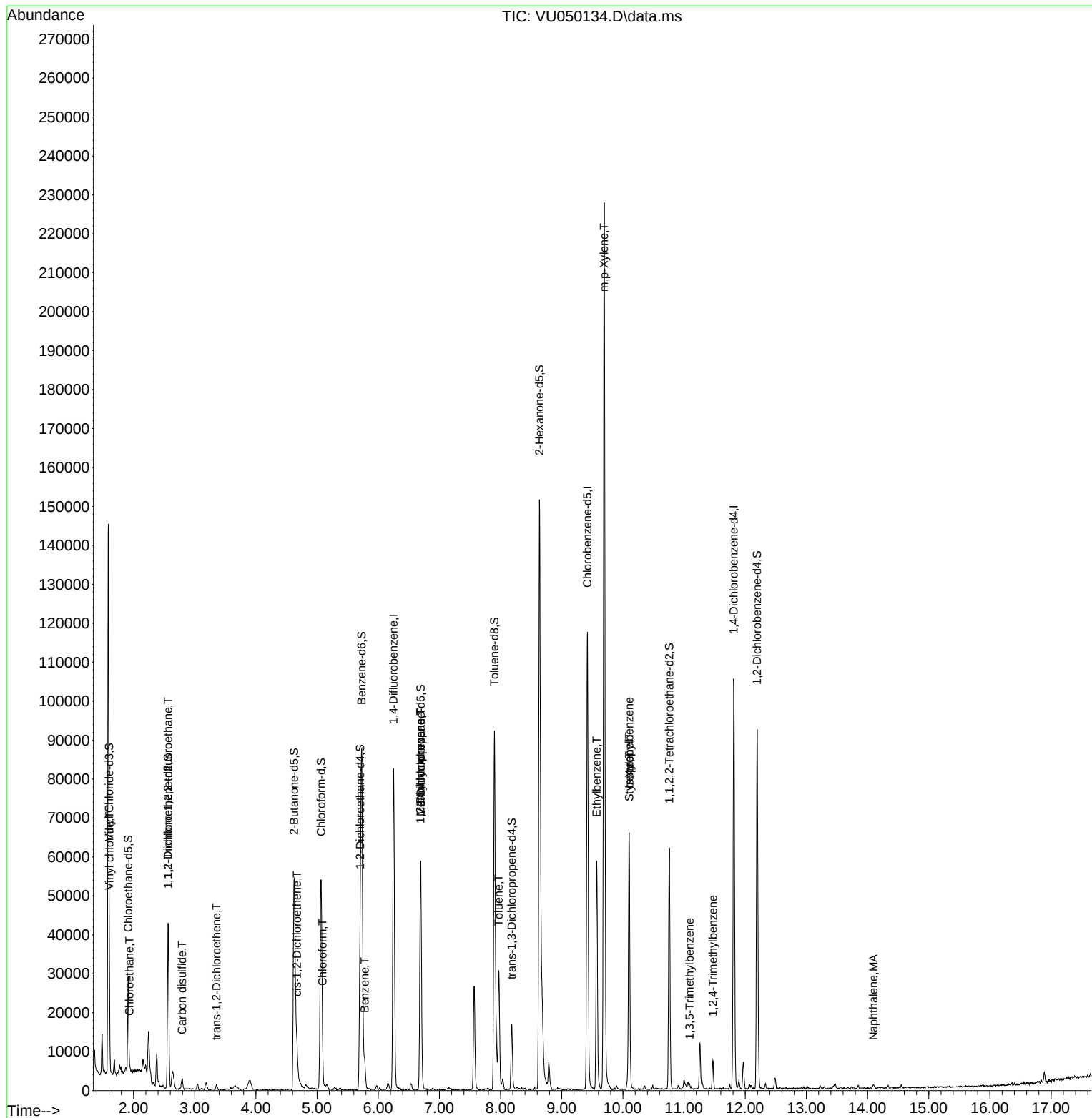
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

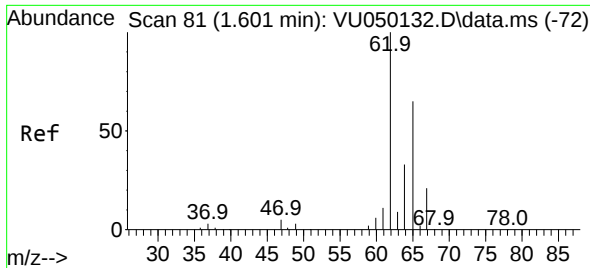
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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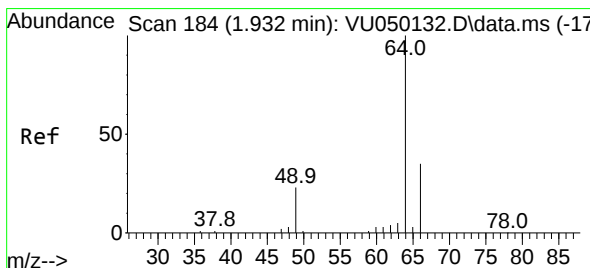
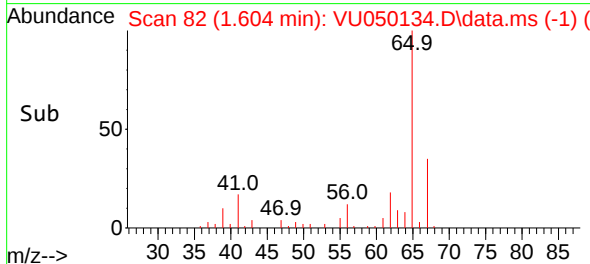
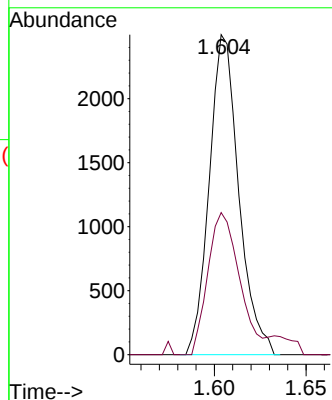
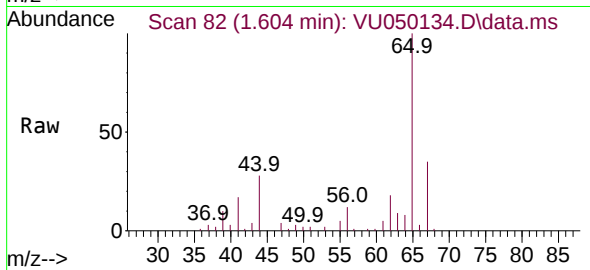




#5
 Vinyl chloride
 Concen: 0.373 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VU050134.D
 Acq: 08 Aug 2022 14:32

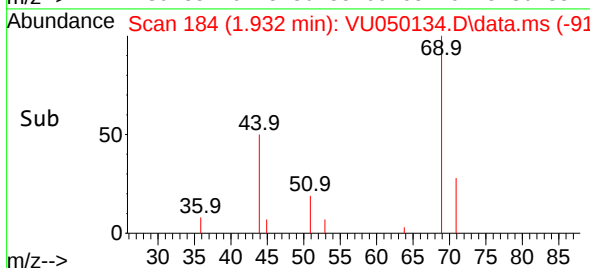
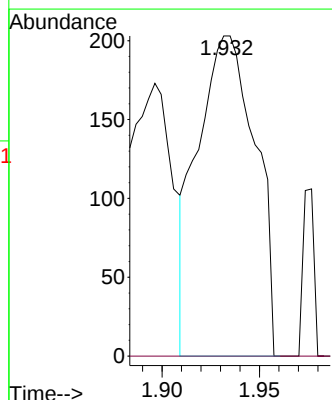
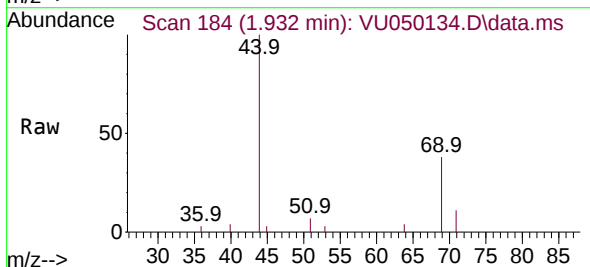
Instrument :
 MSVOA_U
 ClientSampleId :

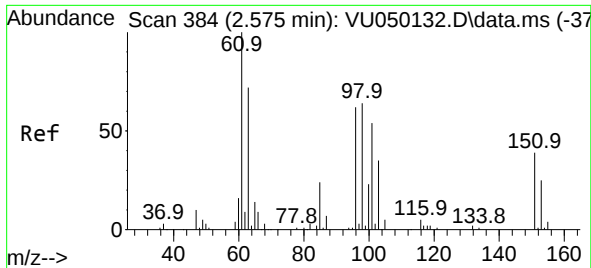
Tgt Ion: 62 Resp: 2798
 Ion Ratio Lower Upper
 62 100
 64 44.4 22.8 42.4#



#8
 Chloroethane
 Concen: 0.095 ug/L
 RT: 1.932 min Scan# 184
 Delta R.T. -0.000 min
 Lab File: VU050134.D
 Acq: 08 Aug 2022 14:32

Tgt Ion: 64 Resp: 419
 Ion Ratio Lower Upper
 64 100
 66 0.0 22.8 42.4#

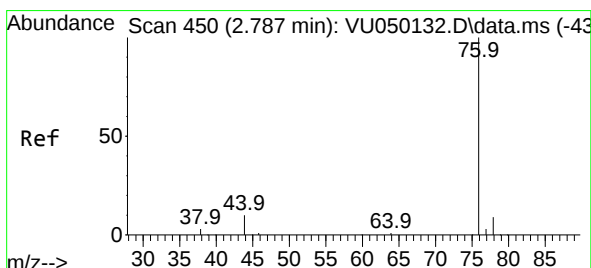
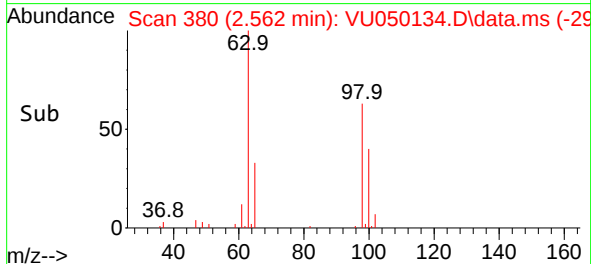
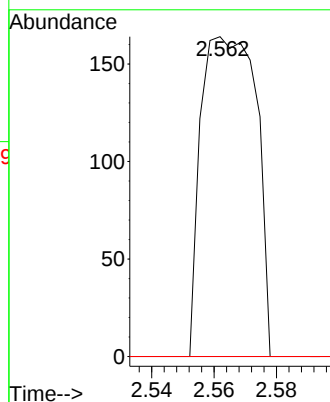
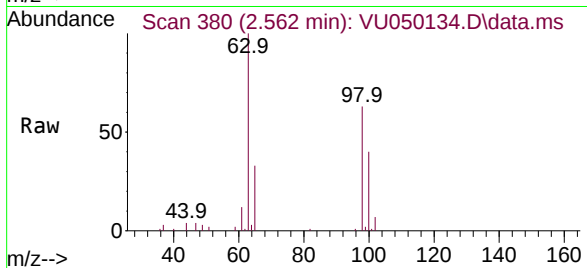




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.044 ug/L
RT: 2.562 min Scan# 31
Delta R.T. -0.013 min
Lab File: VU050134.D
Acq: 08 Aug 2022 14:32

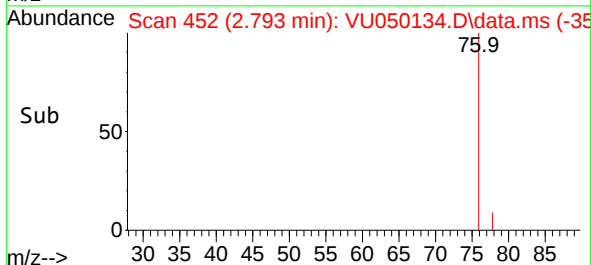
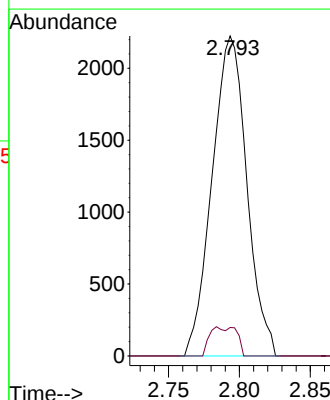
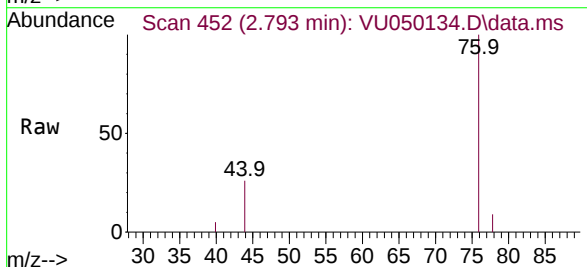
Instrument :
MSVOA_U
ClientSampleId :

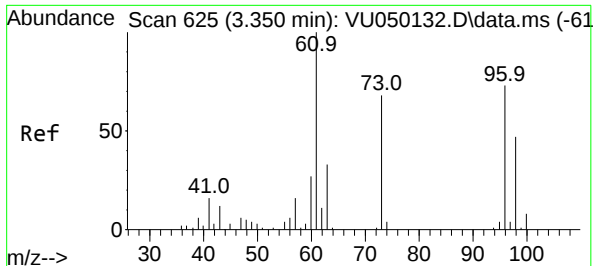
Tgt Ion:101 Resp: 201
Ion Ratio Lower Upper
101 100
85 0.0 35.6 53.4#
151 0.0 55.2 82.8#



#14
Carbon disulfide
Concen: 0.220 ug/L
RT: 2.793 min Scan# 452
Delta R.T. 0.006 min
Lab File: VU050134.D
Acq: 08 Aug 2022 14:32

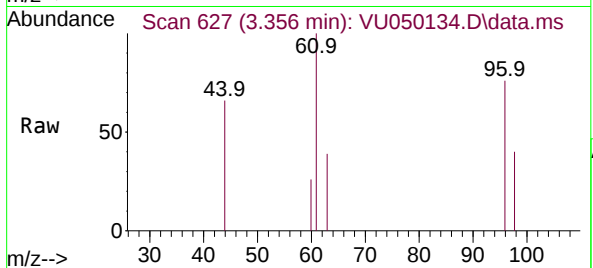
Tgt Ion: 76 Resp: 3792
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



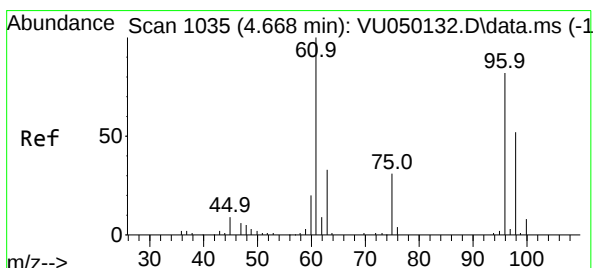
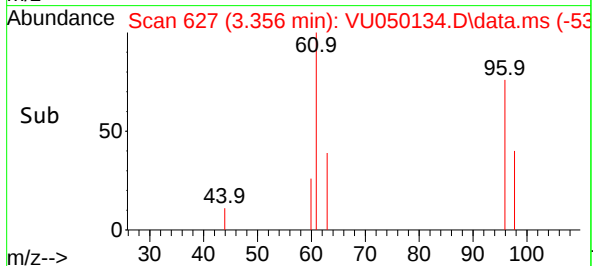
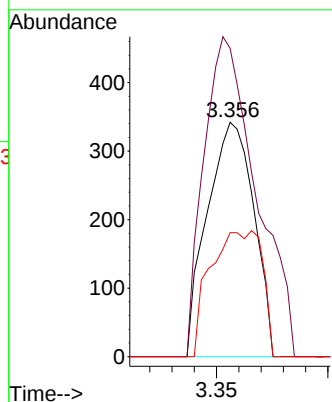


#18
trans-1,2-Dichloroethene
Concen: 0.092 ug/L
RT: 3.356 min Scan# 61
Delta R.T. 0.006 min
Lab File: VU050134.D
Acq: 08 Aug 2022 14:32

Instrument :
MSVOA_U
ClientSampleId :

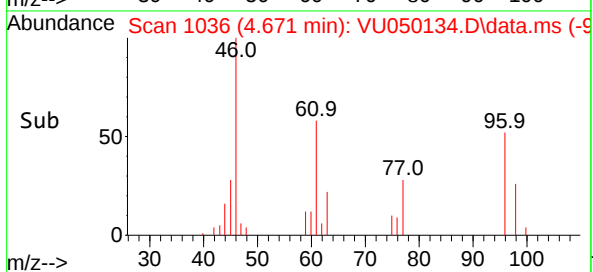
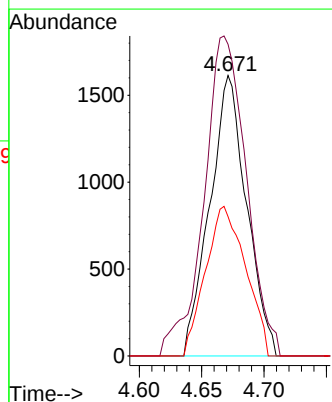
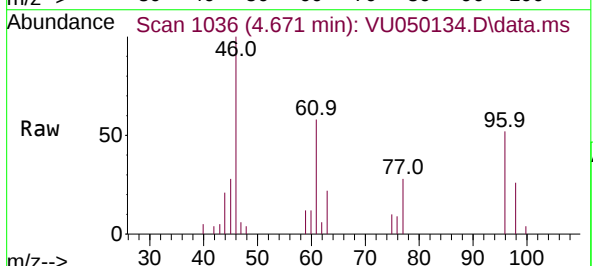


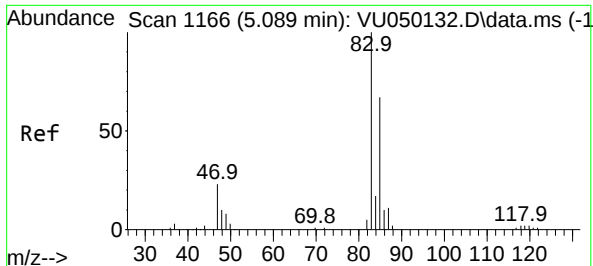
Tgt Ion: 96 Resp: 496
Ion Ratio Lower Upper
96 100
61 131.6 92.3 171.5
98 52.9 43.2 80.2



#22
cis-1,2-Dichloroethene
Concen: 0.553 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. 0.003 min
Lab File: VU050134.D
Acq: 08 Aug 2022 14:32

Tgt Ion: 96 Resp: 3318
Ion Ratio Lower Upper
96 100
61 111.1 89.0 165.4
98 49.7 45.2 84.0





#25

Chloroform

Concen: 0.009 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. -0.000 min

Lab File: VU050134.D

Acq: 08 Aug 2022 14:32

Instrument :

MSVOA_U

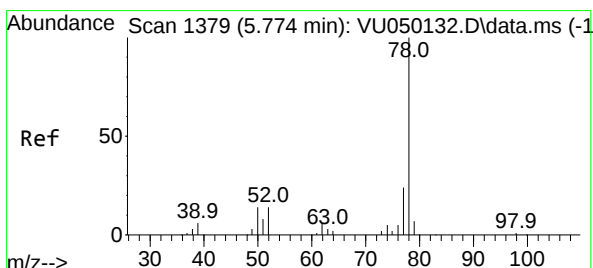
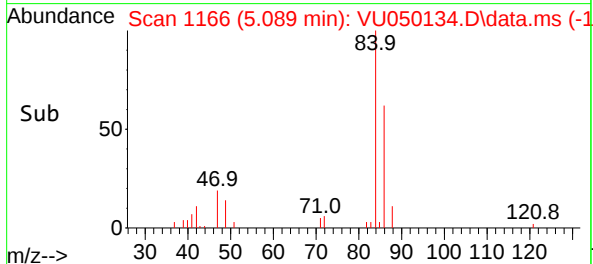
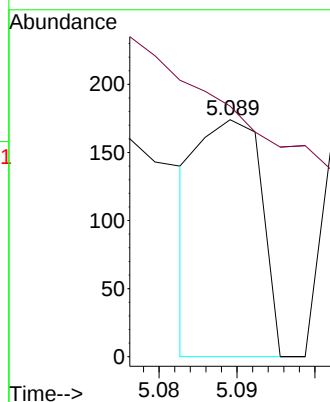
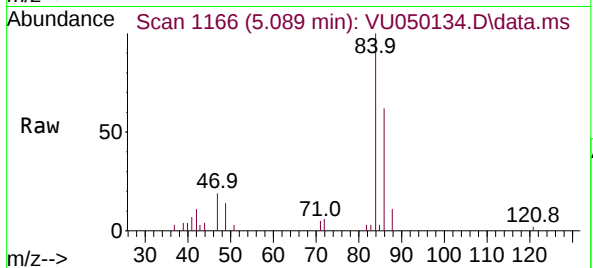
ClientSampleId :

Tgt Ion: 83 Resp: 97

Ion Ratio Lower Upper

83 100

85 105.7 46.1 85.5#



#33

Benzene

Concen: 0.301 ug/L

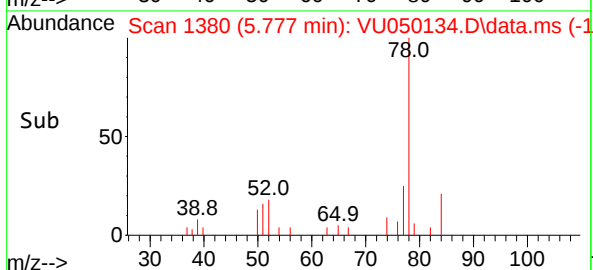
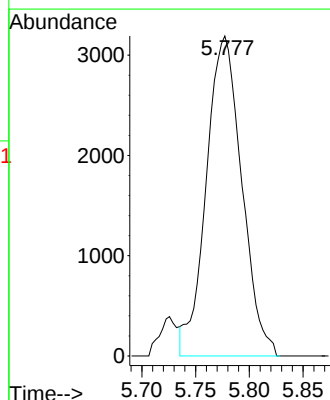
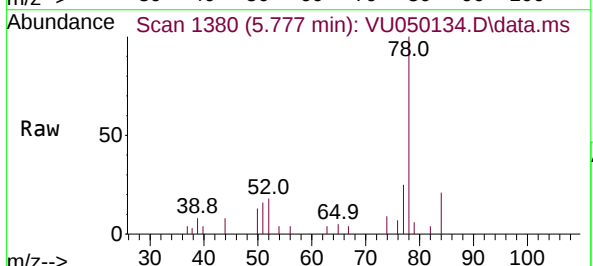
RT: 5.777 min Scan# 1380

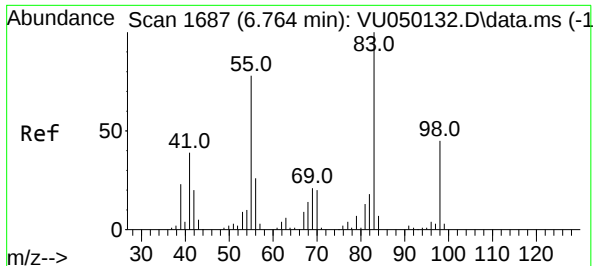
Delta R.T. 0.003 min

Lab File: VU050134.D

Acq: 08 Aug 2022 14:32

Tgt Ion: 78 Resp: 7314





#35

Methylcyclohexane

Concen: 0.900 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.071 min

Lab File: VU050134.D

Acq: 08 Aug 2022 14:32

Instrument :

MSVOA_U

ClientSampleId :

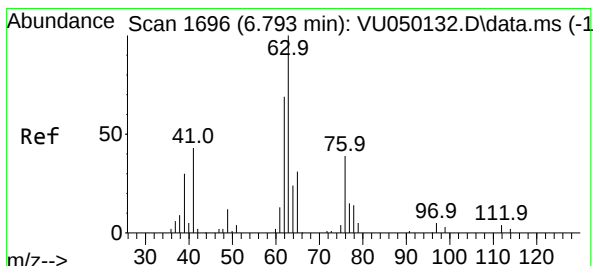
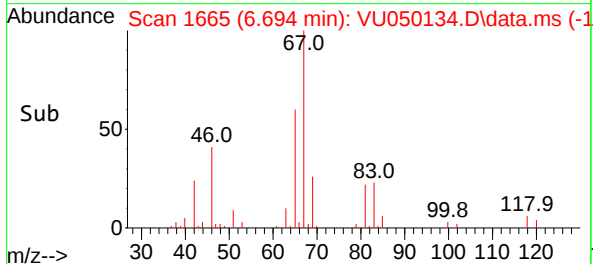
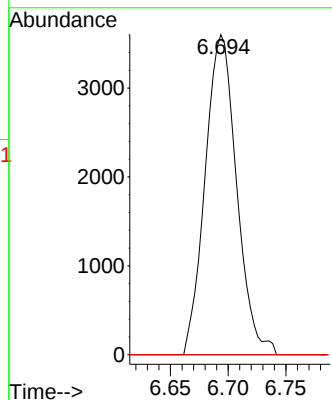
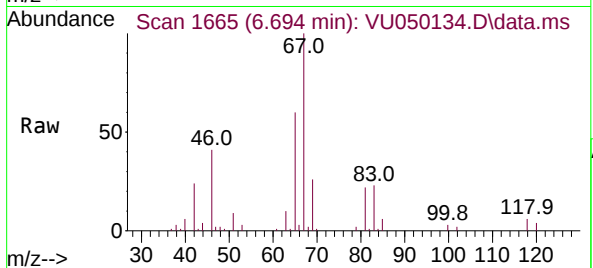
Tgt Ion: 83 Resp: 6841

Ion Ratio Lower Upper

83 100

55 0.0 62.7 94.1#

98 0.8 36.2 54.2#



#37

1,2-Dichloropropane

Concen: 0.468 ug/L

RT: 6.690 min Scan# 1664

Delta R.T. -0.103 min

Lab File: VU050134.D

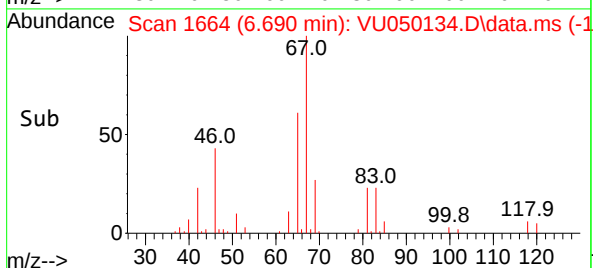
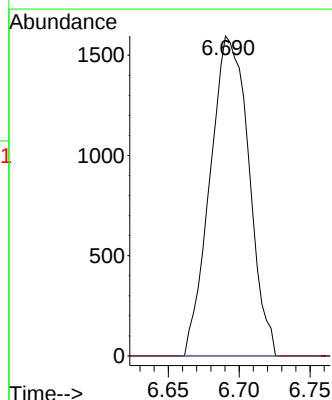
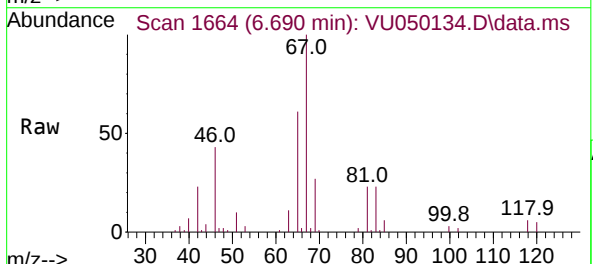
Acq: 08 Aug 2022 14:32

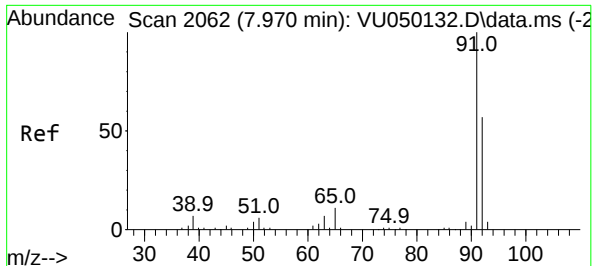
Tgt Ion: 63 Resp: 3033

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#

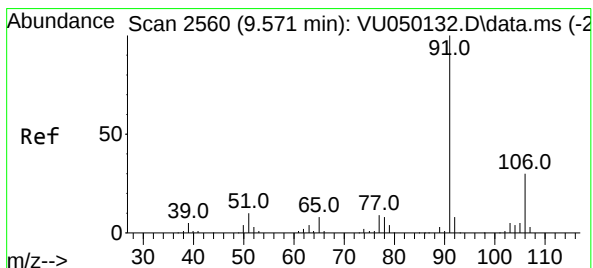
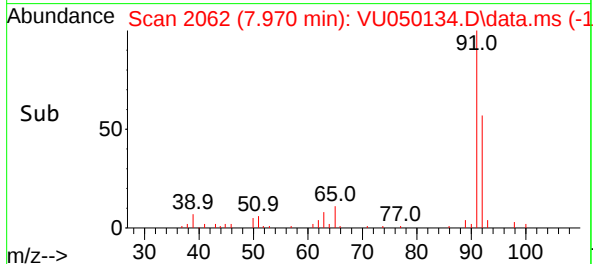
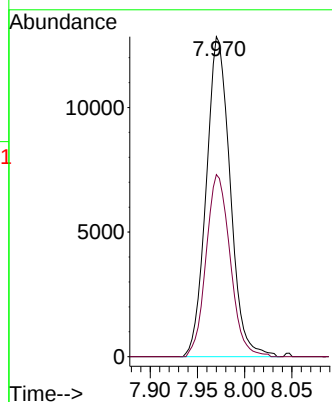
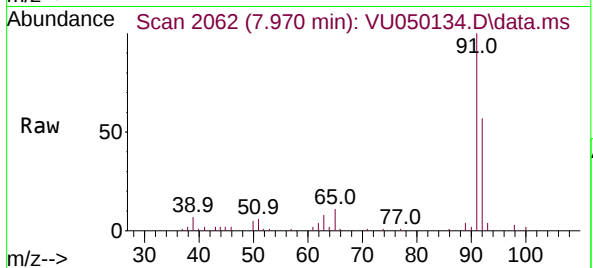




#42
Toluene
Concen: 0.926 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. -0.000 min
Lab File: VU050134.D
Acq: 08 Aug 2022 14:32

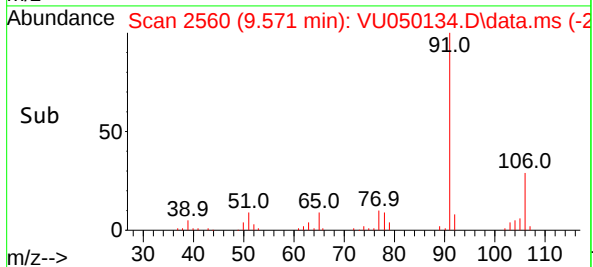
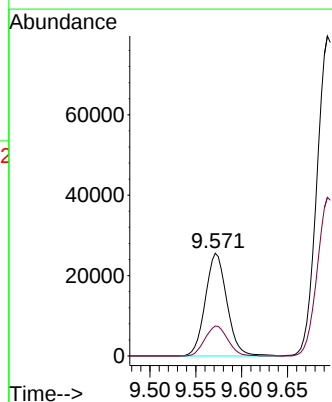
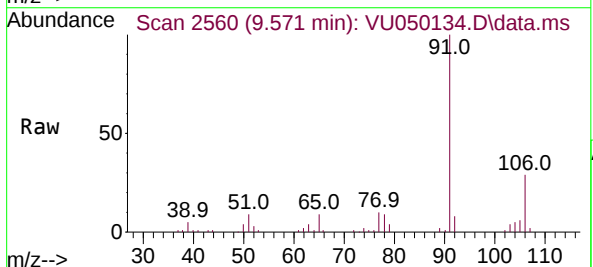
Instrument :
MSVOA_U
ClientSampleId :

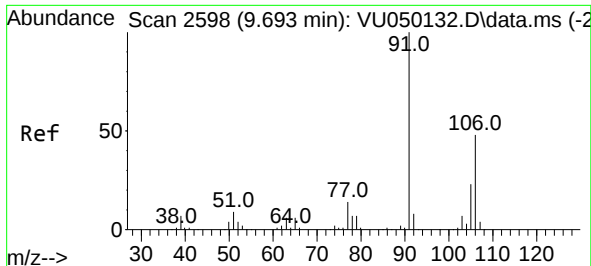
Tgt Ion: 91 Resp: 22597
Ion Ratio Lower Upper
91 100
92 56.9 39.8 74.0



#52
Ethylbenzene
Concen: 1.757 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU050134.D
Acq: 08 Aug 2022 14:32

Tgt Ion: 91 Resp: 41852
Ion Ratio Lower Upper
91 100
106 29.1 21.3 39.5

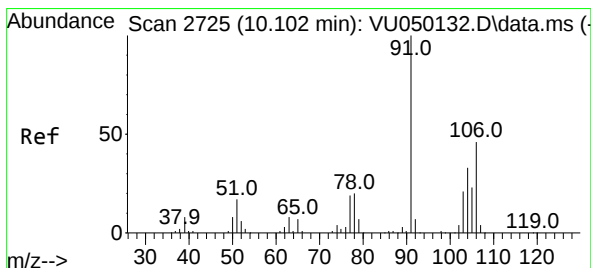
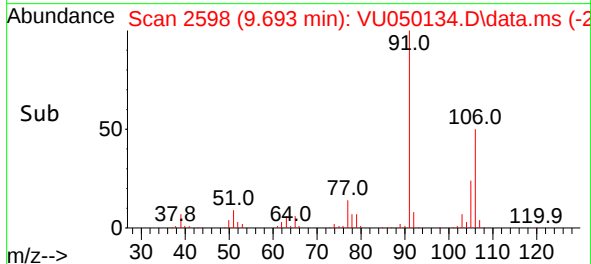
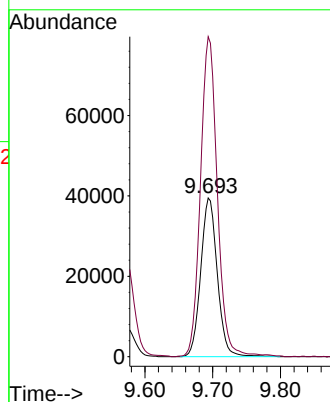
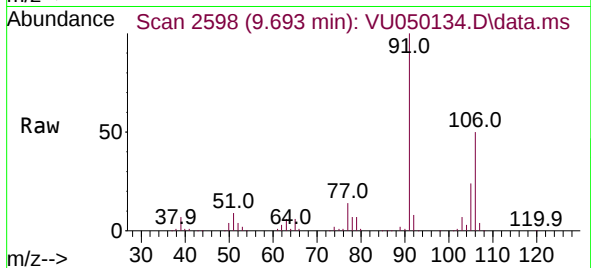




#53
m,p-Xylene
Concen: 7.636 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU050134.D
Acq: 08 Aug 2022 14:32

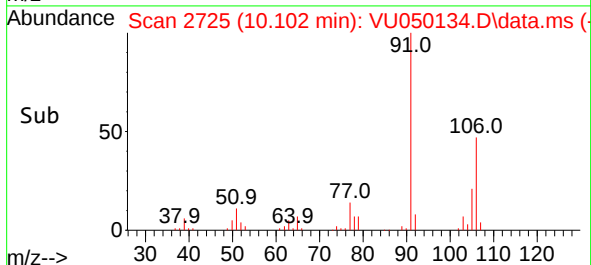
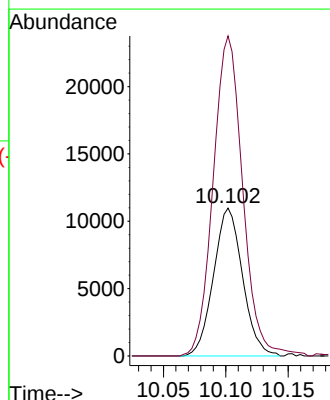
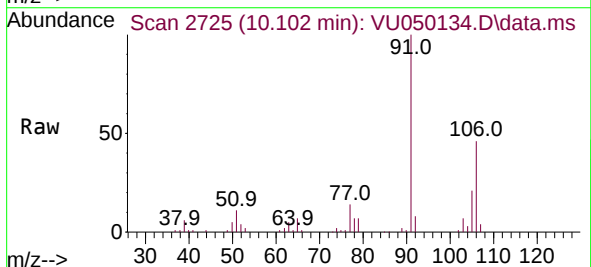
Instrument :
MSVOA_U
ClientSampleId :

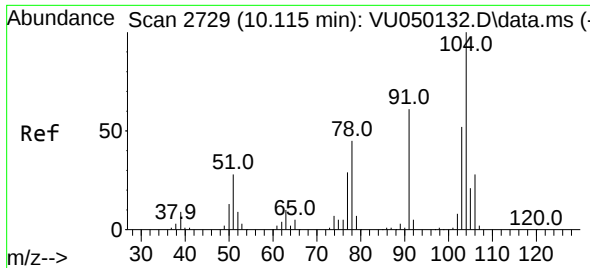
Tgt Ion:106 Resp: 66969
Ion Ratio Lower Upper
106 100
91 201.5 143.1 265.9



#54
o-Xylene
Concen: 2.033 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.000 min
Lab File: VU050134.D
Acq: 08 Aug 2022 14:32

Tgt Ion:106 Resp: 17801
Ion Ratio Lower Upper
106 100
91 216.4 149.4 277.4

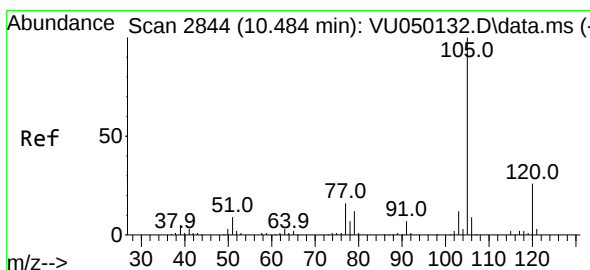
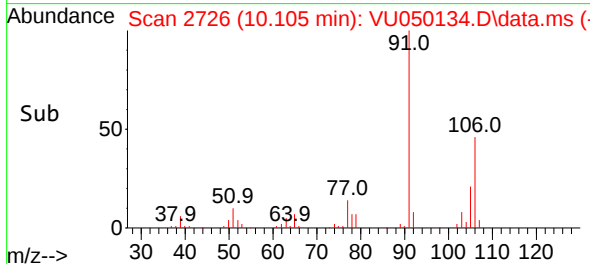
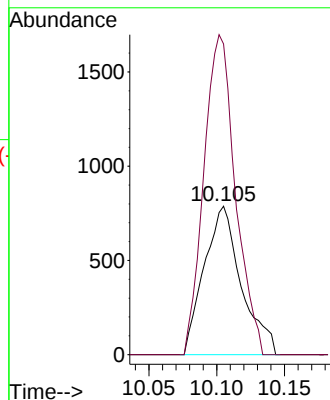
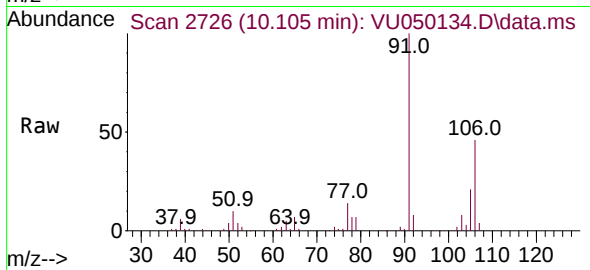




#55
Styrene
Concen: 0.103 ug/L
RT: 10.105 min Scan# 2725
Delta R.T. -0.010 min
Lab File: VU050134.D
Acq: 08 Aug 2022 14:32

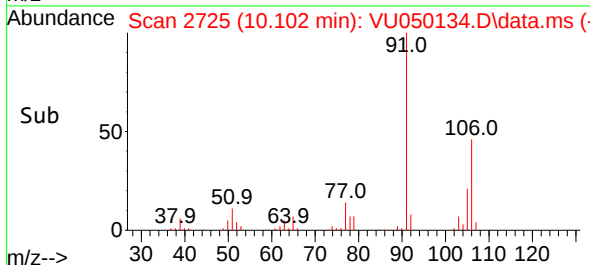
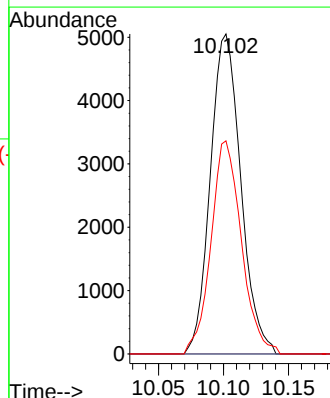
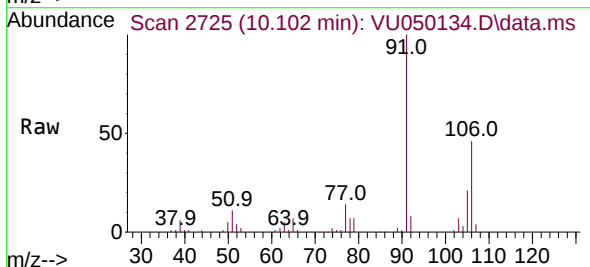
Instrument :
MSVOA_U
ClientSampleId :

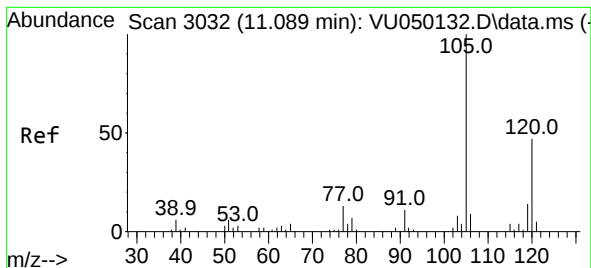
Tgt Ion:104 Resp: 1502
Ion Ratio Lower Upper
104 100
78 209.3 31.9 59.3#



#60
Isopropylbenzene
Concen: 0.422 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.383 min
Lab File: VU050134.D
Acq: 08 Aug 2022 14:32

Tgt Ion:105 Resp: 8241
Ion Ratio Lower Upper
105 100
120 0.0 20.8 31.2#
77 66.4 12.6 19.0#





#62

1,3,5-Trimethylbenzene

Concen: 0.185 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VU050134.D

Acq: 08 Aug 2022 14:32

Instrument :

MSVOA_U

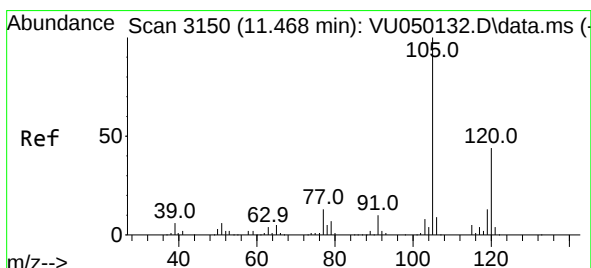
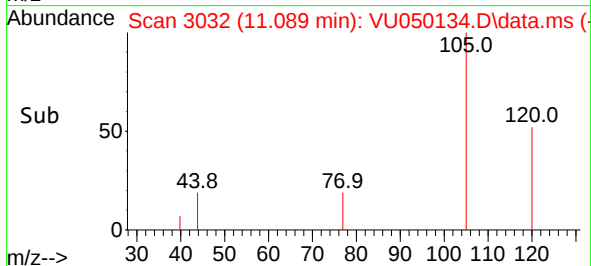
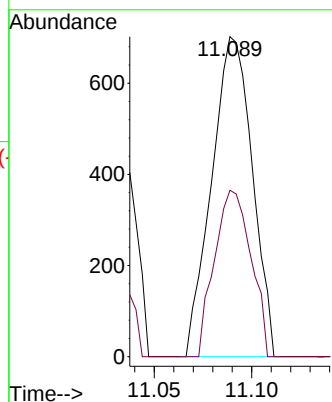
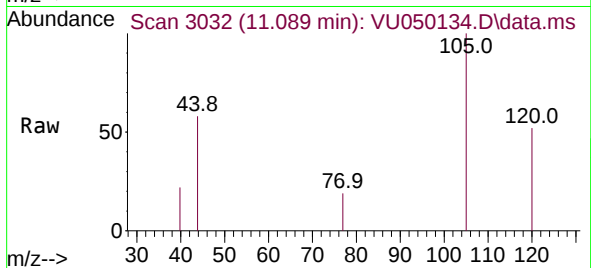
ClientSampleId :

Tgt Ion:105 Resp: 1019

Ion Ratio Lower Upper

105 100

120 46.6 38.9 58.3



#63

1,2,4-Trimethylbenzene

Concen: 0.258 ug/L

RT: 11.471 min Scan# 3151

Delta R.T. 0.003 min

Lab File: VU050134.D

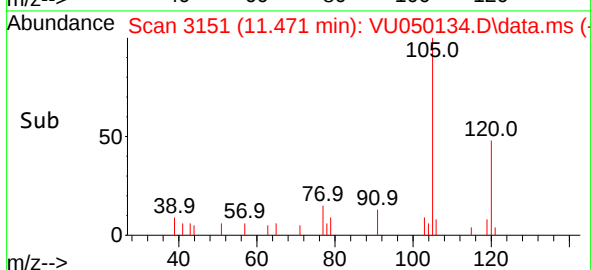
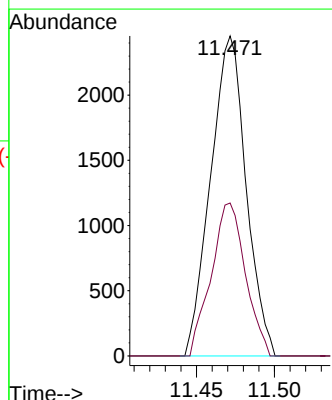
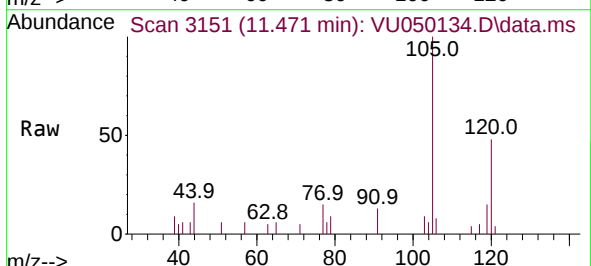
Acq: 08 Aug 2022 14:32

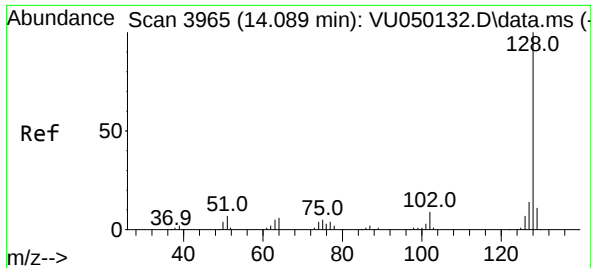
Tgt Ion:105 Resp: 3883

Ion Ratio Lower Upper

105 100

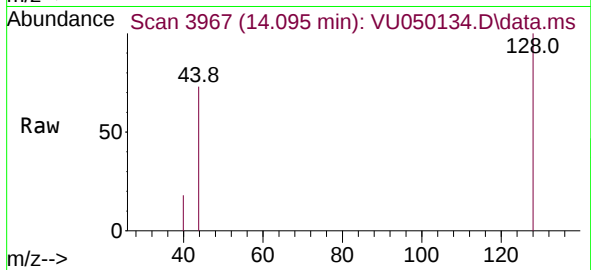
120 46.1 35.9 53.9





#71
 Naphthalene
 Concen: 0.138 ug/L
 RT: 14.095 min Scan# 3967
 Delta R.T. 0.006 min
 Lab File: VU050134.D
 Acq: 08 Aug 2022 14:32

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	128	Resp:	1501
Ion	Ratio	Lower	Upper
128	100		
129	0.0	8.6	12.8#
127	0.0	10.6	16.0#

