

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
 Data File : VU046584.D
 Acq On : 23 Dec 2021 22:37
 Operator : SY/MD
 Sample : M5170-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 24 04:59:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 24 04:54:59 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	93410	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	91909	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	44049	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	21180	2.879	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	57.600%
7) Chloroethane-d5	1.919	69	18504	3.194	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	63.800%#
11) 1,1-Dichloroethene-d2	2.575	65	9296	2.996	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.000%
20) 2-Butanone-d5	4.671	46	94660	44.354	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.700%
24) Chloroform-d	5.067	84	48052	3.564	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	71.200%
26) 1,2-Dichloroethane-d4	5.706	65	29608	3.842	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.800%
32) Benzene-d6	5.729	84	87194	3.403	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	68.000%#
36) 1,2-Dichloropropane-d6	6.694	67	29382	3.816	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	76.400%
41) Toluene-d8	7.899	98	74318	3.196	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	64.000%#
43) trans-1,3-Dichloroprop...	8.179	79	12636	3.549	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	71.000%
46) 2-Hexanone-d5	8.639	63	97037	46.418	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.840%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	31795	4.024	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.400%
66) 1,2-Dichlorobenzene-d4	12.195	152	32866	4.051	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.000%
Target Compounds						
					Qvalue	
14) Carbon disulfide	2.800	76	8741	0.326	ug/L	98
22) cis-1,2-Dichloroethene	4.671	96	3752	0.392	ug/L	90
33) Benzene	5.777	78	23260	0.637	ug/L	100
34) Trichloroethene	6.546	95	7265	0.755	ug/L	95
37) 1,2-Dichloropropane	6.694	63	3183	0.342	ug/L #	88
40) 4-Methyl-2-pentanone	7.796	43	9543	1.365	ug/L #	97
42) Toluene	7.970	91	33897	0.904	ug/L	96
47) Tetrachloroethene	8.555	164	3978	0.584	ug/L	95
49) Dibromochloromethane	8.555	129	3652	0.394	ug/L #	10
52) Ethylbenzene	9.571	91	9062	0.234	ug/L	99
53) m,p-Xylene	9.693	106	6555	0.441	ug/L	91
54) o-Xylene	10.105	106	2103	0.147	ug/L	90
60) Isopropylbenzene	11.291	105	2356	0.069	ug/L	98
61) 1,2,3-Trichloropropane	11.812	75	5273	0.721	ug/L #	64
62) 1,3,5-Trimethylbenzene	11.089	105	2350	0.083	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	12177	0.428	ug/L	98
71) Naphthalene	14.089	128	14898	0.634	ug/L	100

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Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Dec 24 04:59:26 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Dec 24 04:54:59 2021
Response via : Initial Calibration

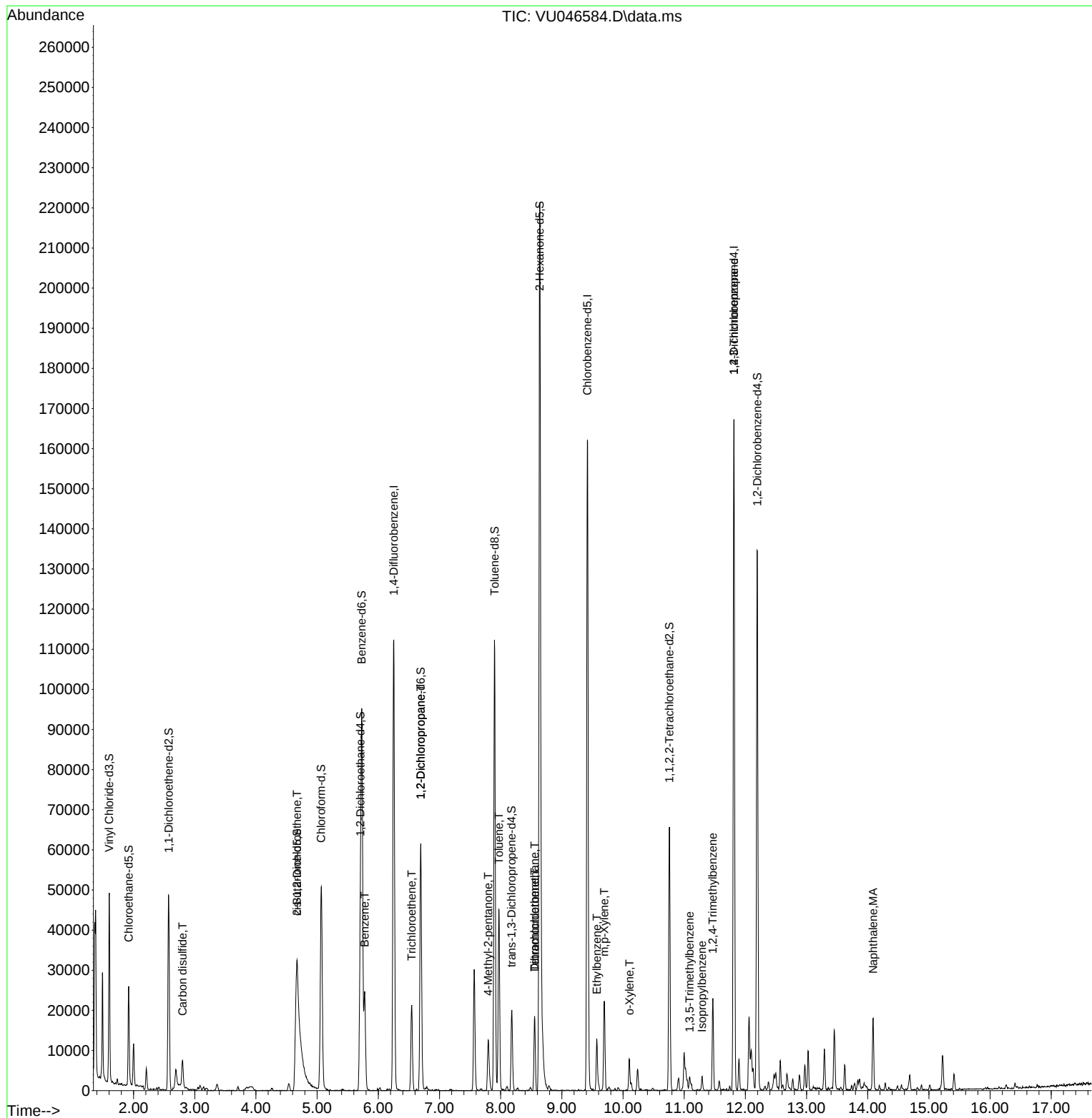
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

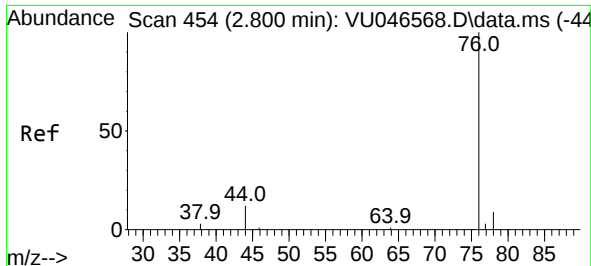
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Sample : M5170-06
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Instrument :
MSVOA_U
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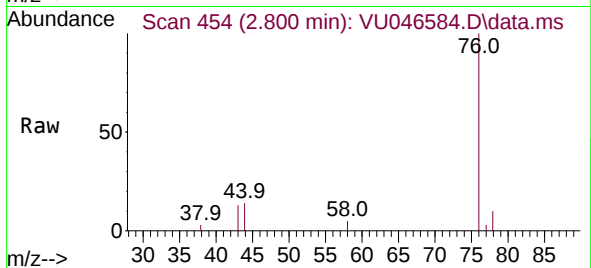
Quant Time: Dec 24 04:59:26 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Dec 24 04:54:59 2021
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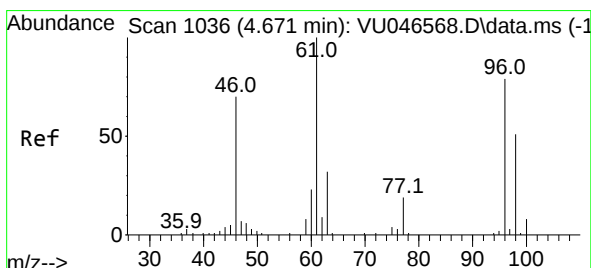
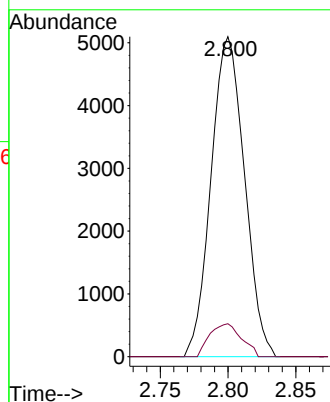
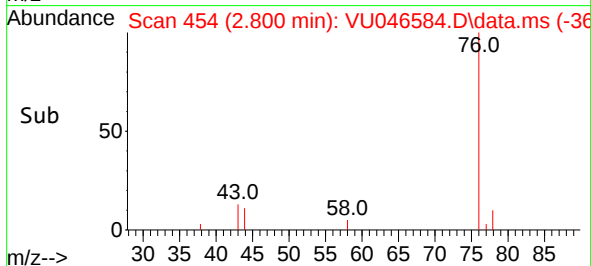


#14
Carbon disulfide
Concen: 0.326 ug/L
RT: 2.800 min Scan# 41
Delta R.T. 0.000 min
Lab File: VU046584.D
Acq: 23 Dec 2021 22:37

Instrument :
MSVOA_U
ClientSampleId :

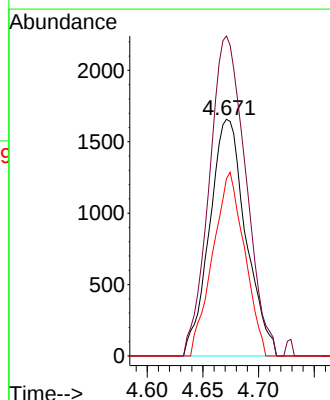
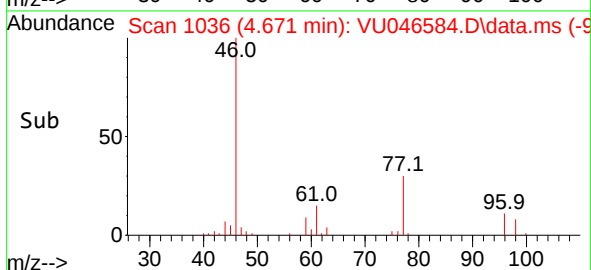
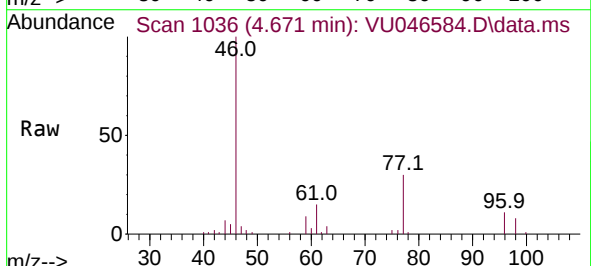


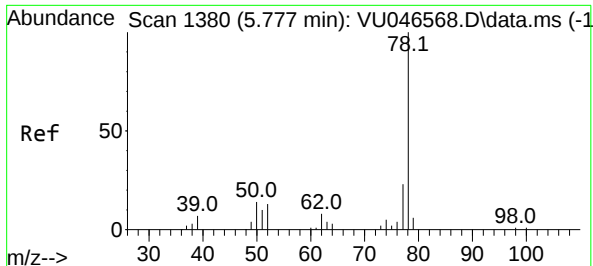
Tgt Ion: 76 Resp: 8741
Ion Ratio Lower Upper
76 100
78 10.3 7.5 11.3



#22
cis-1,2-Dichloroethene
Concen: 0.392 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.003 min
Lab File: VU046584.D
Acq: 23 Dec 2021 22:37

Tgt Ion: 96 Resp: 3752
Ion Ratio Lower Upper
96 100
61 135.2 88.5 164.3
98 75.0 44.4 82.5

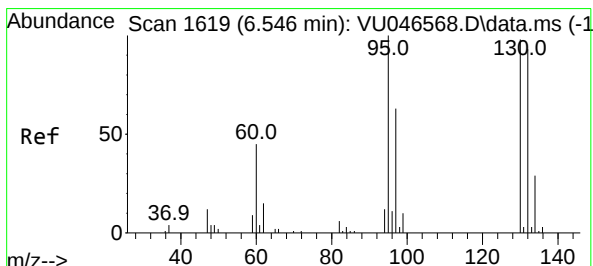
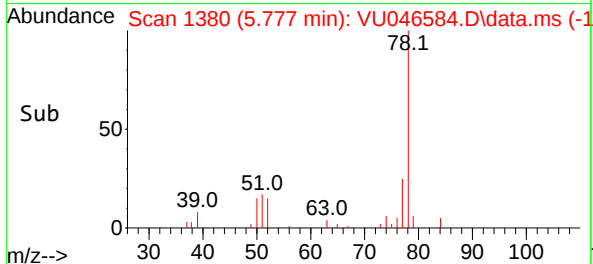
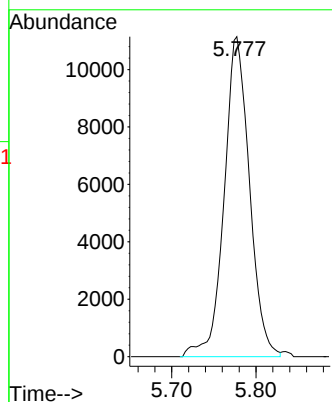
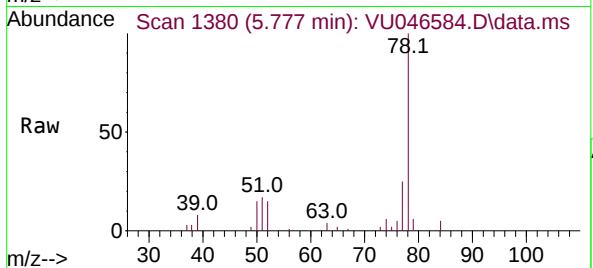




#33
Benzene
Concen: 0.637 ug/L
RT: 5.777 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU046584.D
Acq: 23 Dec 2021 22:37

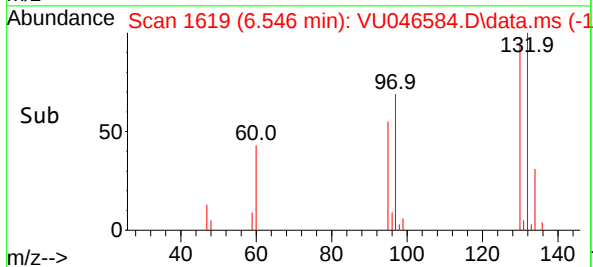
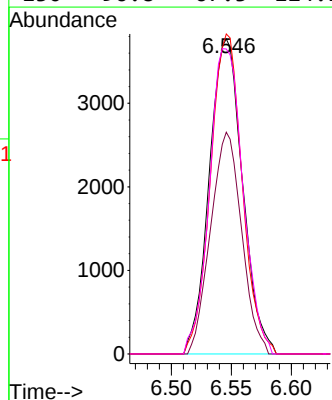
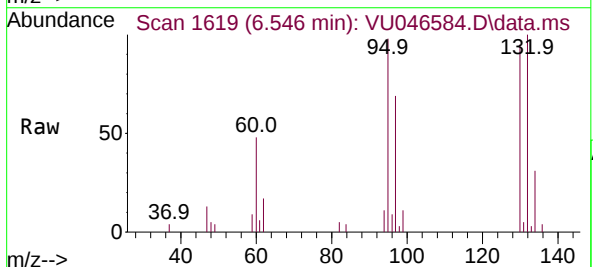
Instrument :
MSVOA_U
ClientSampleId :

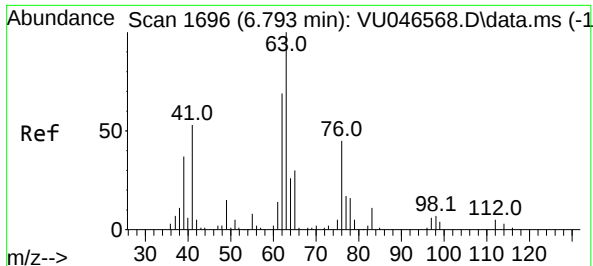
Tgt Ion: 78 Resp: 23260



#34
Trichloroethene
Concen: 0.755 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU046584.D
Acq: 23 Dec 2021 22:37

Tgt Ion: 95 Resp: 7265
Ion Ratio Lower Upper
95 100
97 70.4 46.5 86.5
132 101.6 65.1 120.9
130 96.8 67.3 124.9





#37

1,2-Dichloropropane

Concen: 0.342 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU046584.D

Acq: 23 Dec 2021 22:37

Instrument :

MSVOA_U

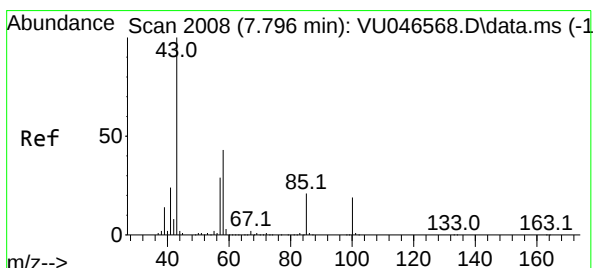
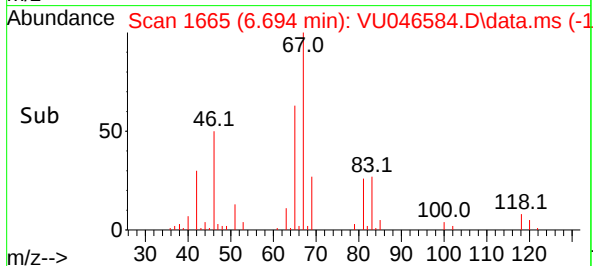
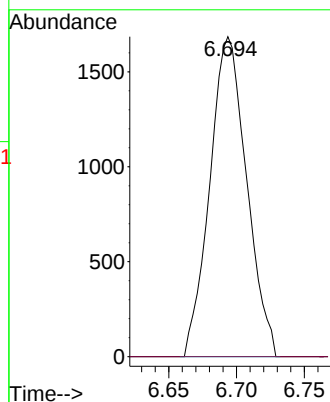
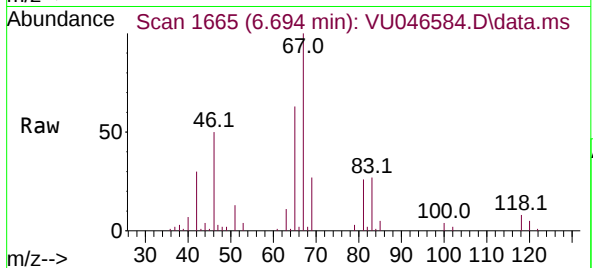
ClientSampleId :

Tgt Ion: 63 Resp: 3183

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#40

4-Methyl-2-pentanone

Concen: 1.365 ug/L

RT: 7.796 min Scan# 2008

Delta R.T. 0.000 min

Lab File: VU046584.D

Acq: 23 Dec 2021 22:37

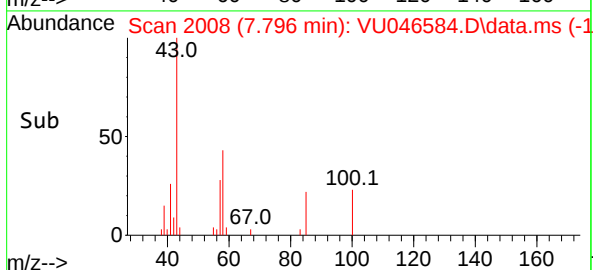
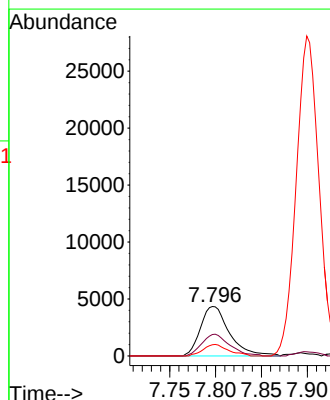
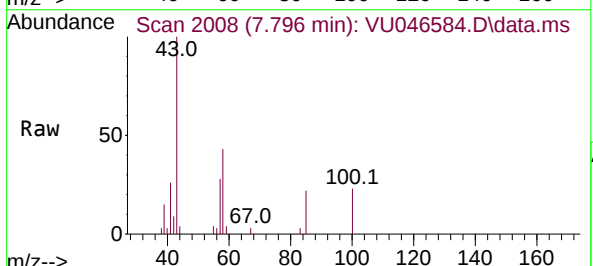
Tgt Ion: 43 Resp: 9543

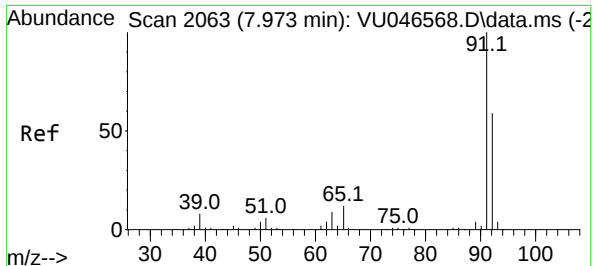
Ion Ratio Lower Upper

43 100

58 42.2 33.1 49.7

100 20.3 13.2 19.8#





#42

Toluene

Concen: 0.904 ug/L

RT: 7.970 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VU046584.D

Acq: 23 Dec 2021 22:37

Instrument :

MSVOA_U

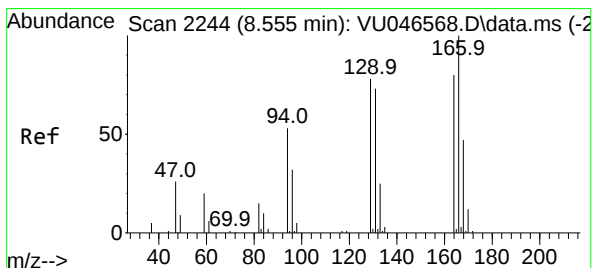
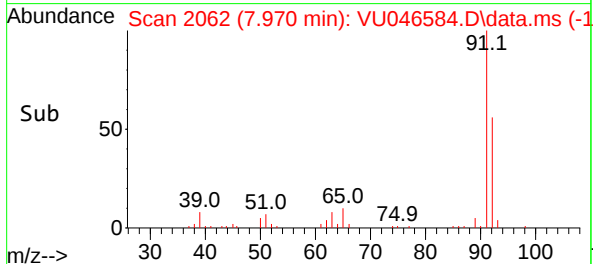
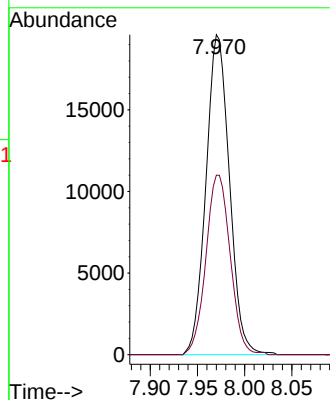
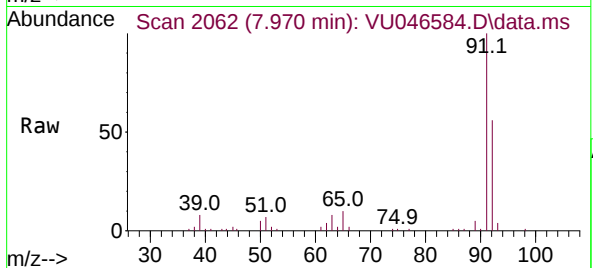
ClientSampleId :

Tgt Ion: 91 Resp: 33897

Ion Ratio Lower Upper

91 100

92 56.1 41.3 76.7



#47

Tetrachloroethene

Concen: 0.584 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.003 min

Lab File: VU046584.D

Acq: 23 Dec 2021 22:37

Tgt Ion:164 Resp: 3978

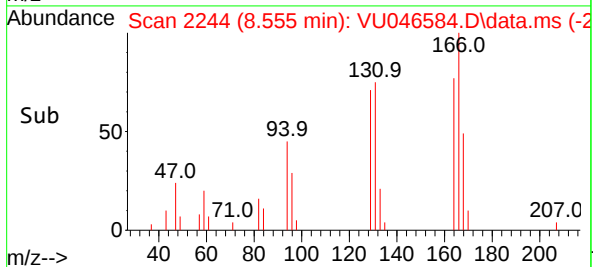
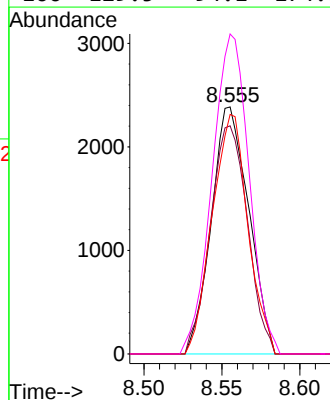
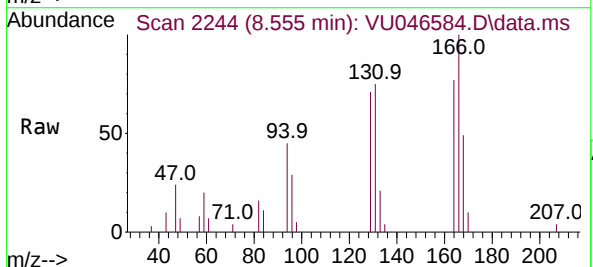
Ion Ratio Lower Upper

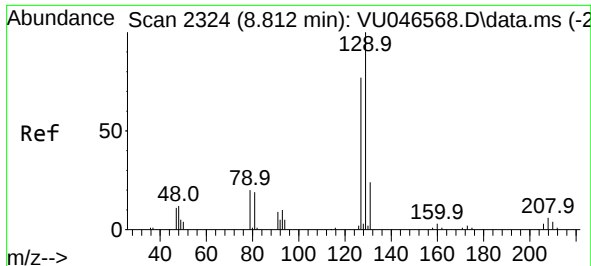
164 100

129 92.4 71.8 133.4

131 97.0 68.5 127.3

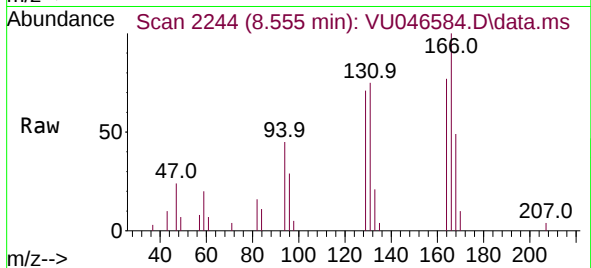
166 129.5 94.1 174.8



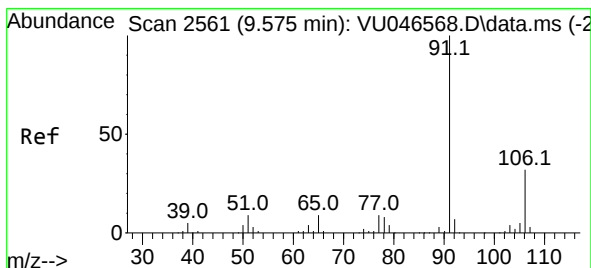
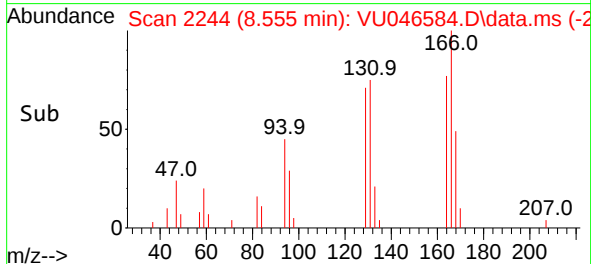
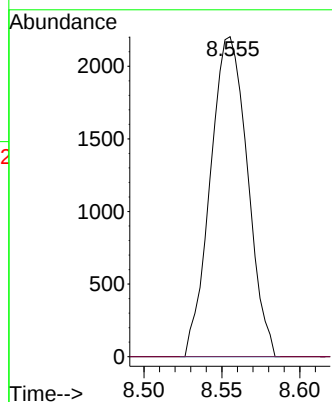


#49
Dibromochloromethane
Concen: 0.394 ug/L
RT: 8.555 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU046584.D
Acq: 23 Dec 2021 22:37

Instrument :
MSVOA_U
ClientSampleId :

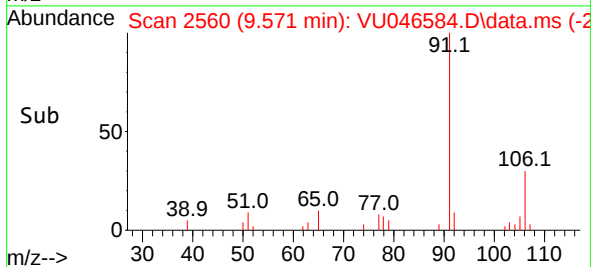
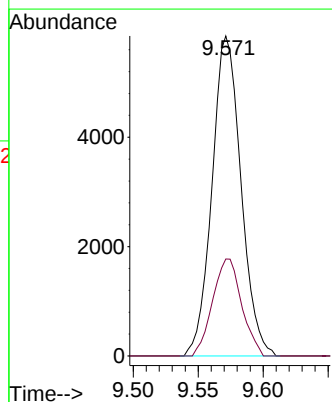
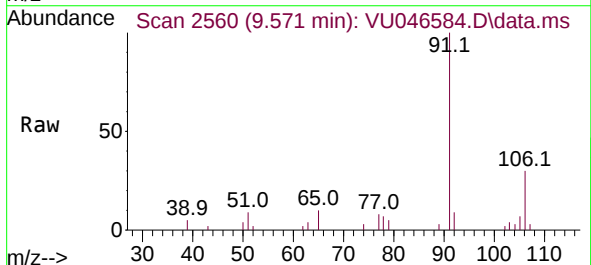


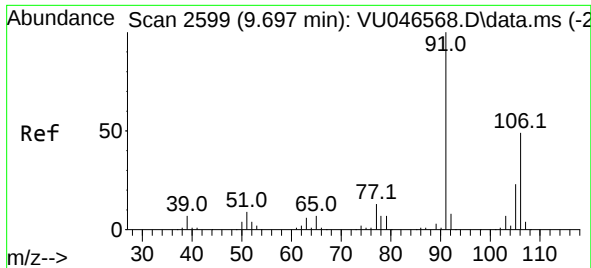
Tgt Ion:129 Resp: 3652
Ion Ratio Lower Upper
129 100
127 0.0 55.4 102.8#



#52
Ethylbenzene
Concen: 0.234 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU046584.D
Acq: 23 Dec 2021 22:37

Tgt Ion: 91 Resp: 9062
Ion Ratio Lower Upper
91 100
106 30.3 21.5 39.9

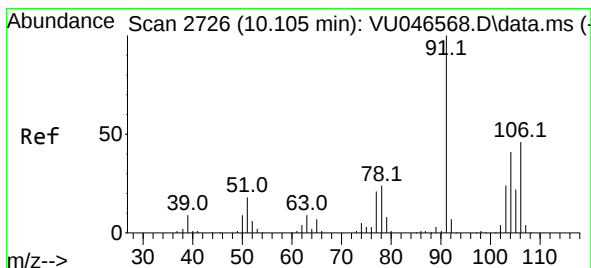
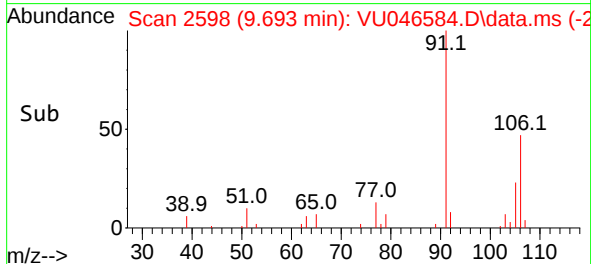
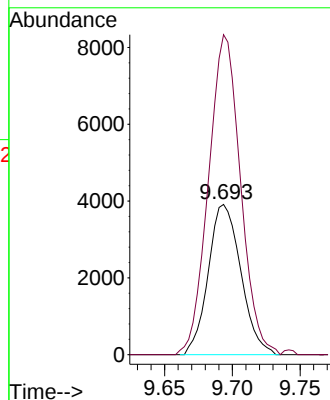
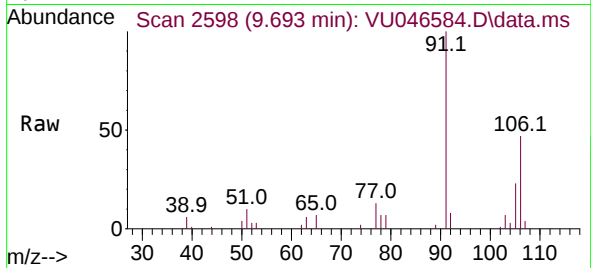




#53
m,p-Xylene
Concen: 0.441 ug/L
RT: 9.693 min Scan# 2599
Delta R.T. -0.003 min
Lab File: VU046584.D
Acq: 23 Dec 2021 22:37

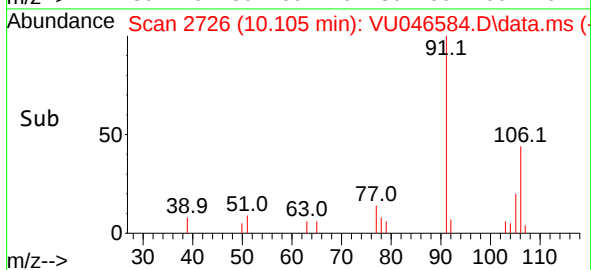
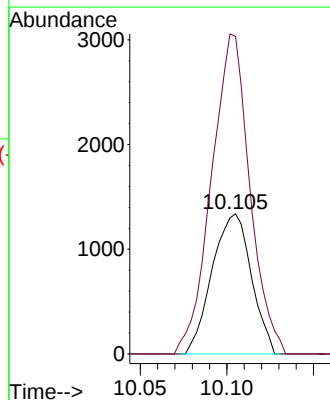
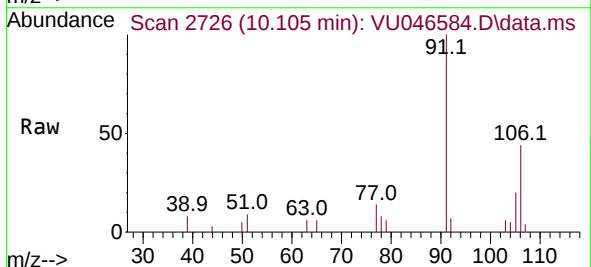
Instrument :
MSVOA_U
ClientSampleId :

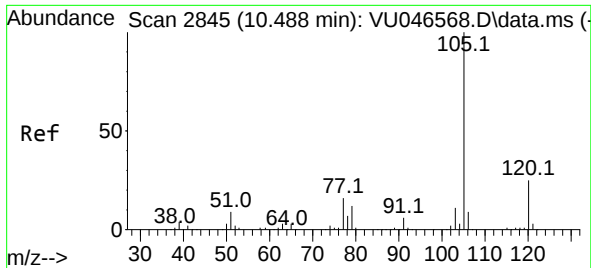
Tgt Ion:106 Resp: 6555
Ion Ratio Lower Upper
106 100
91 213.0 139.4 259.0



#54
o-Xylene
Concen: 0.147 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. 0.003 min
Lab File: VU046584.D
Acq: 23 Dec 2021 22:37

Tgt Ion:106 Resp: 2103
Ion Ratio Lower Upper
106 100
91 226.5 147.5 273.9

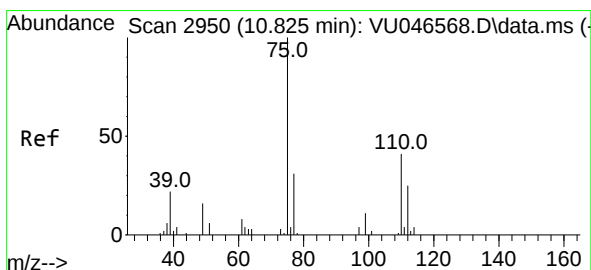
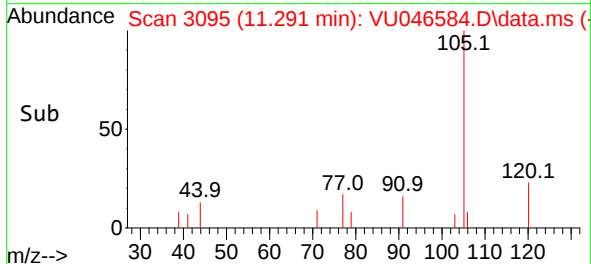
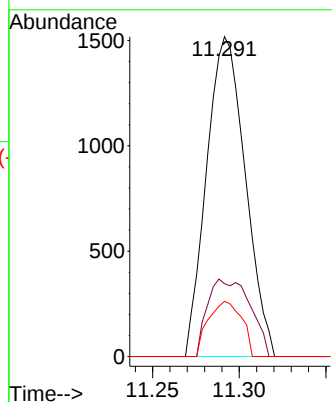
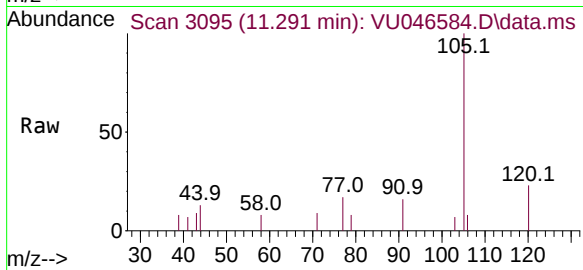




#60
Isopropylbenzene
Concen: 0.069 ug/L
RT: 11.291 min Scan# 3095
Delta R.T. 0.804 min
Lab File: VU046584.D
Acq: 23 Dec 2021 22:37

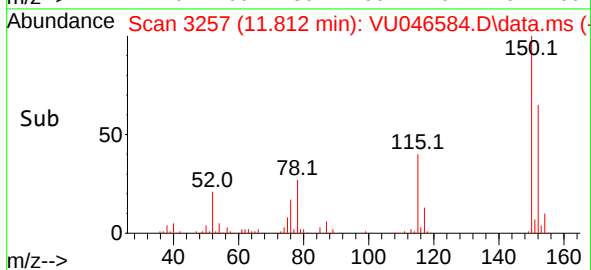
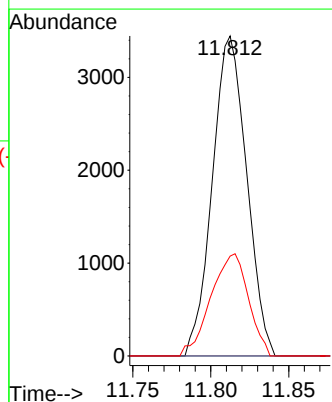
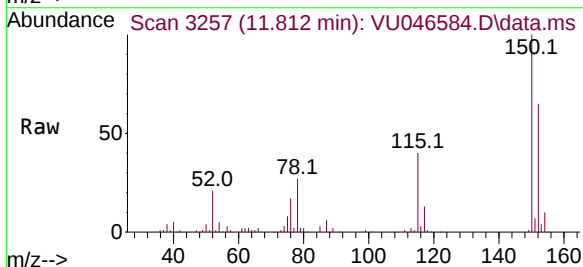
Instrument :
MSVOA_U
ClientSampleId :

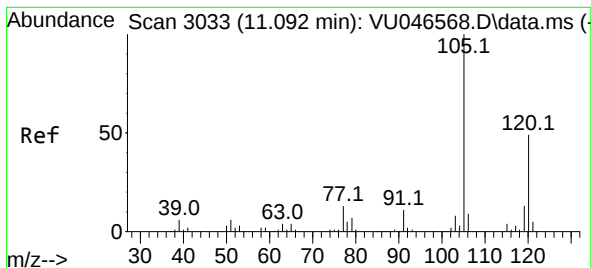
Tgt Ion:105 Resp: 2356
Ion Ratio Lower Upper
105 100
120 26.6 20.7 31.1
77 14.9 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 0.721 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.987 min
Lab File: VU046584.D
Acq: 23 Dec 2021 22:37

Tgt Ion: 75 Resp: 5273
Ion Ratio Lower Upper
75 100
110 0.0 29.9 44.9#
77 34.9 25.5 38.3





#62

1,3,5-Trimethylbenzene

Concen: 0.083 ug/L

RT: 11.089 min Scan# 3033

Delta R.T. 0.000 min

Lab File: VU046584.D

Acq: 23 Dec 2021 22:37

Instrument :

MSVOA_U

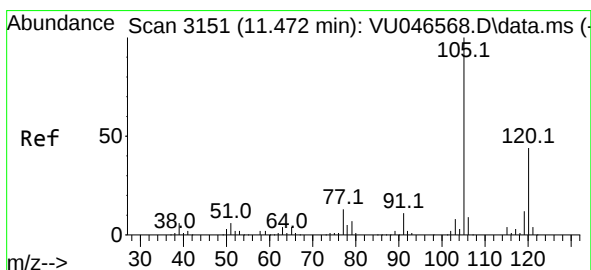
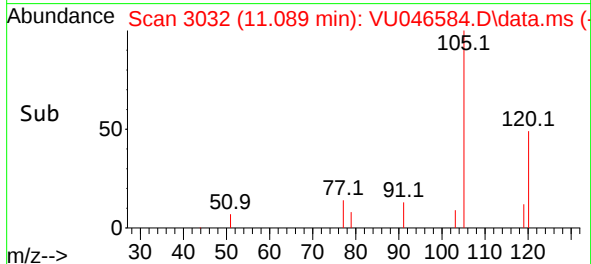
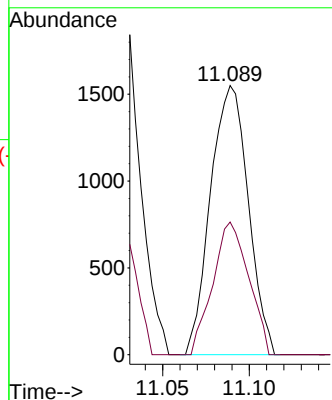
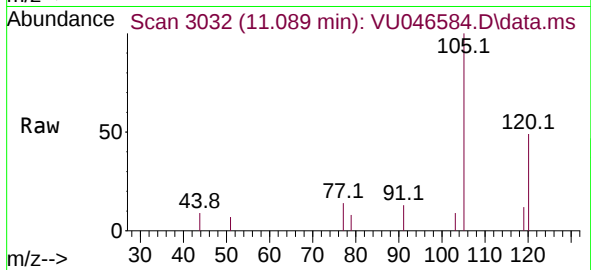
ClientSampleId :

Tgt Ion:105 Resp: 2350

Ion Ratio Lower Upper

105 100

120 47.0 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 0.428 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU046584.D

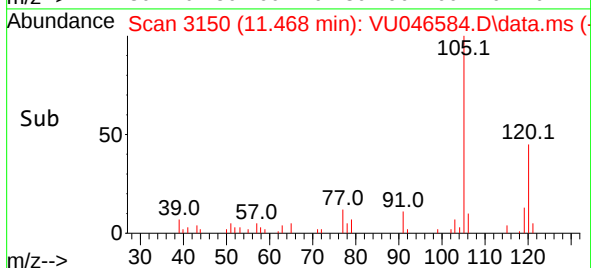
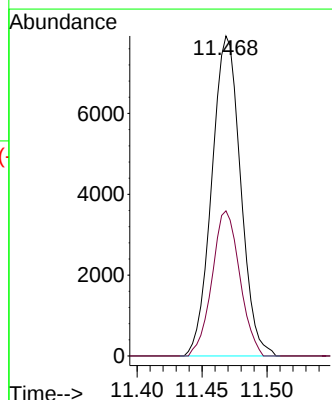
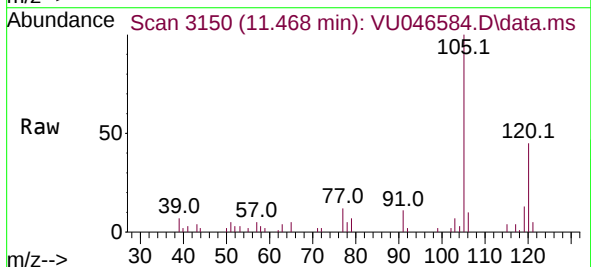
Acq: 23 Dec 2021 22:37

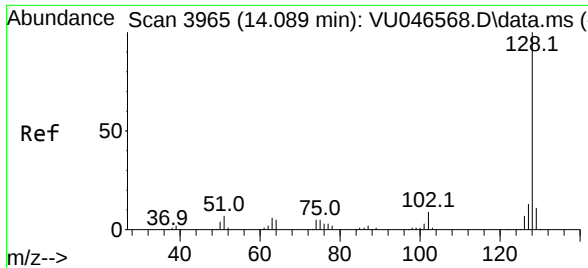
Tgt Ion:105 Resp: 12177

Ion Ratio Lower Upper

105 100

120 43.7 35.8 53.8





#71

Naphthalene

Concen: 0.634 ug/L

RT: 14.089 min Scan# 3965

Delta R.T. 0.000 min

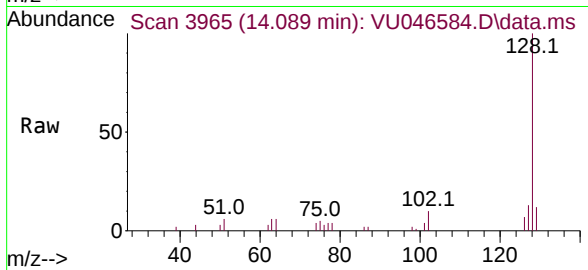
Lab File: VU046584.D

Acq: 23 Dec 2021 22:37

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:128 Resp: 14898

Ion Ratio Lower Upper

128 100

129 10.2 8.4 12.6

127 12.6 10.2 15.2

