

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011722\
 Data File : VU046769.D
 Acq On : 17 Jan 2022 17:04
 Operator : SY/MD
 Sample : N1155-02ME
 Misc : 6.08g/5.0mL/100uL/5.0mL//MSVOA_U/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 18 02:18:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM010522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 18 02:15:56 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	264330	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.427	117	260236	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.825	152	129637	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	36153	15.674	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	31.340%#
7) Chloroethane-d5	1.919	69	15164	8.850	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	17.700%#
11) 1,1-Dichloroethene-d2	2.543	63	70703	18.022	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	36.040%#
21) 2-Butanone-d5	4.661	46	101013	59.835	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	59.840%
24) Chloroform-d	5.070	84	131891	32.436	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	64.880%#
26) 1,2-Dichloroethane-d4	5.710	65	88894	34.471	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	68.940%#
32) Benzene-d6	5.726	84	273101	33.628	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	67.260%#
36) 1,2-Dichloropropane-d6	6.694	67	85318	34.431	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	68.860%#
41) Toluene-d8	7.902	98	266294	36.678	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	73.360%#
43) trans-1,3-Dichloroprop...	8.185	79	43902	36.775	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.540%
47) 2-Hexanone-d5	8.700	63	96224	73.095	ug/L	0.06
Spiked Amount	100.000	Range	45 - 130	Recovery	=	73.090%
56) 1,1,2,2-Tetrachloroeth...	10.777	84	129427	33.724	ug/L	0.02
Spiked Amount	50.000	Range	65 - 120	Recovery	=	67.440%
66) 1,2-Dichlorobenzene-d4	12.205	152	104569	38.982	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.960%#
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.546	101	631	0.339	ug/L #	20
22) 2-Butanone	4.745	43	11405	6.227	ug/L	79
29) Cyclohexane	5.375	56	6026	2.178	ug/L	86
33) Benzene	5.771	78	60414	7.805	ug/L	100
35) Methylcyclohexane	6.761	83	12296	3.900	ug/L	94
39) cis-1,3-Dichloropropene	7.568	75	2621	0.860	ug/L #	53
42) Toluene	7.973	91	104664	12.821	ug/L	96
45) 1,1,2-Trichloroethane	8.372	97	4923	2.433	ug/L #	23
52) Ethylbenzene	9.578	91	487779	56.321	ug/L	99
53) m,p-Xylene	9.703	106	446482	133.483	ug/L	97
54) o-xylene	10.111	106	228424	71.416	ug/L	99
55) Styrene	10.118	104	16876	3.015	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	10.761	83	4908	1.387	ug/L #	68
61) Isopropylbenzene	10.497	105	105979	13.383	ug/L	97
62) 1,3,5-Trimethylbenzene	11.102	105	490454	73.678	ug/L	100
63) 1,2,4-Trimethylbenzene	11.481	105	1461711	220.380	ug/L	99
67) 1,2-Dichlorobenzene	12.224	146	44980	11.275	ug/L #	91
70) 1,2,4-trichlorobenzene	13.844	180	58105	22.359	ug/L #	88
71) Naphthalene	14.092	128	3812057	451.035	ug/L	100

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QLast Update : Tue Jan 18 02:15:56 2022
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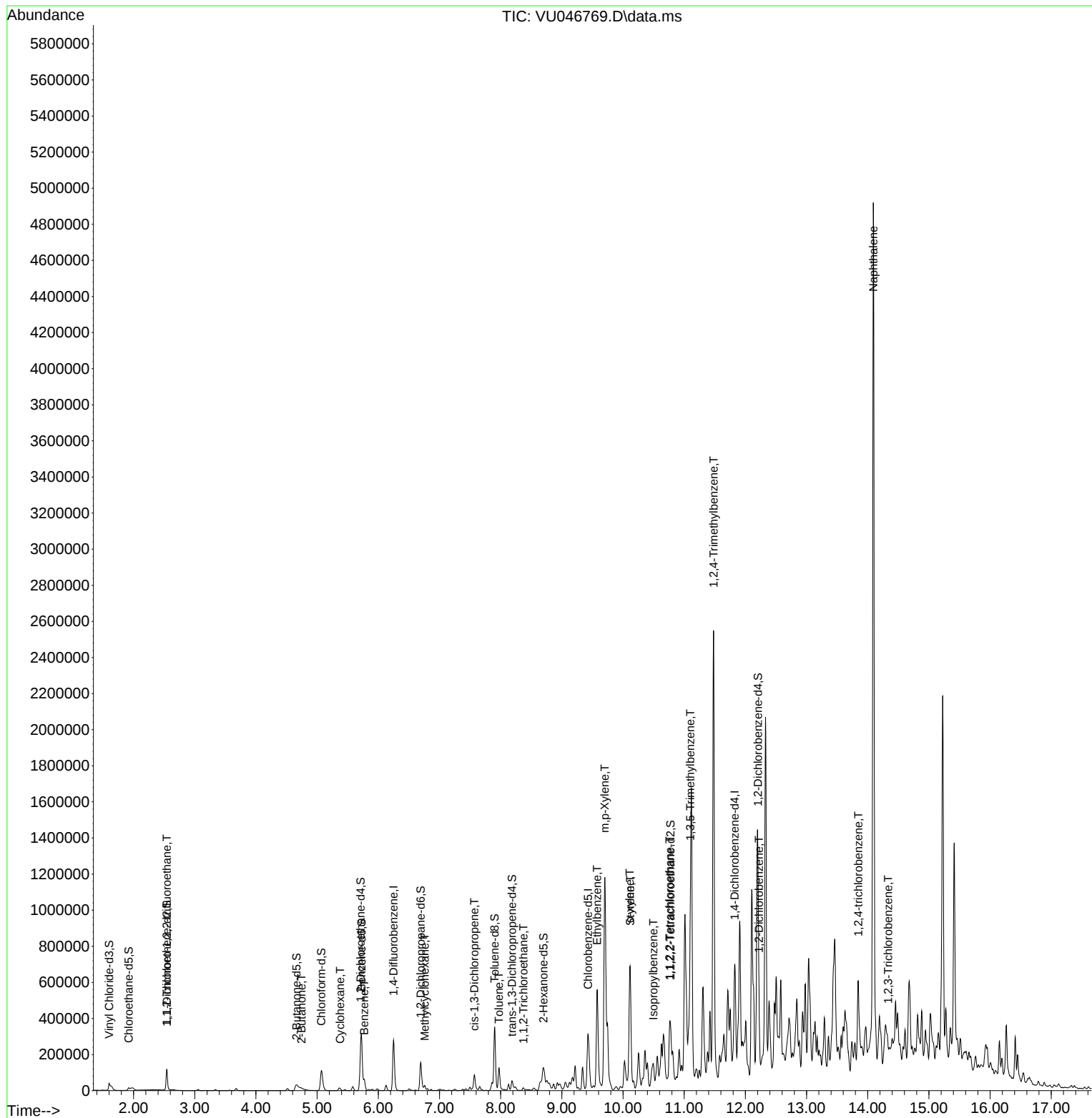
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,2,3-Trichlorobenzene	14.336	180	9365	3.566	ug/L	# 1

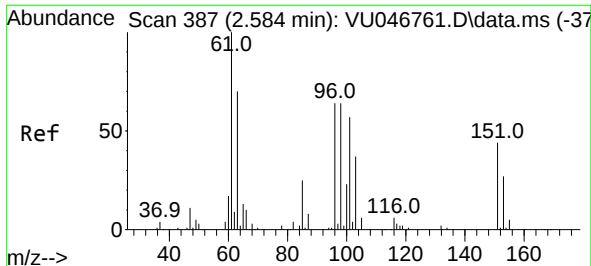
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.339 ug/L

RT: 2.546 min Scan# 31

Delta R.T. -0.039 min

Lab File: VU046769.D

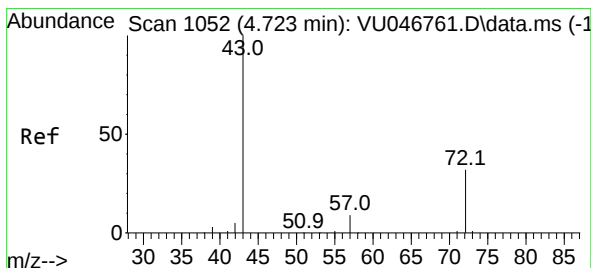
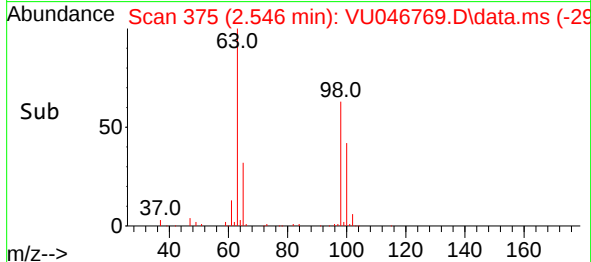
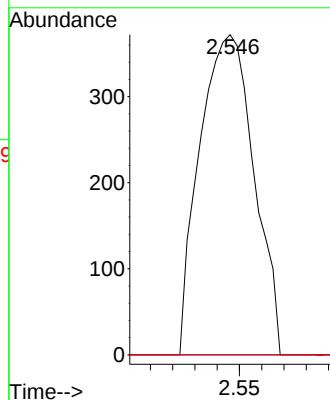
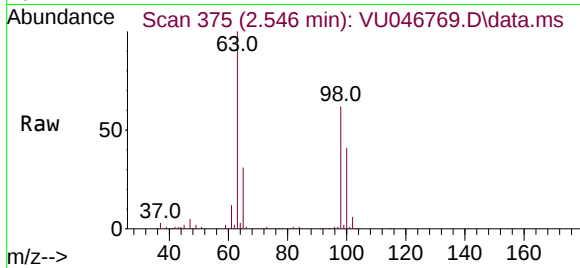
Acq: 17 Jan 2022 17:04

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	101	Resp:	631
Ion	Ratio	Lower	Upper
101	100		
85	0.0	34.9	52.3#
151	0.0	58.3	87.5#



#22

2-Butanone

Concen: 6.227 ug/L

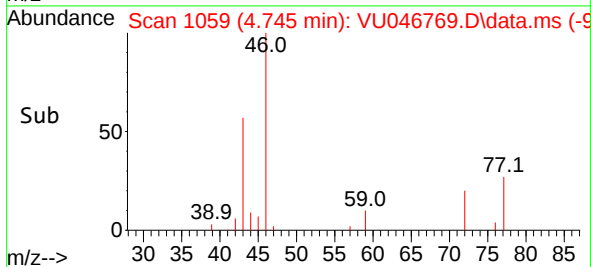
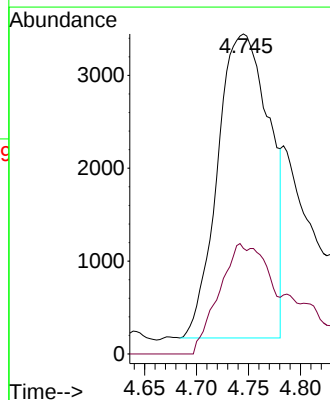
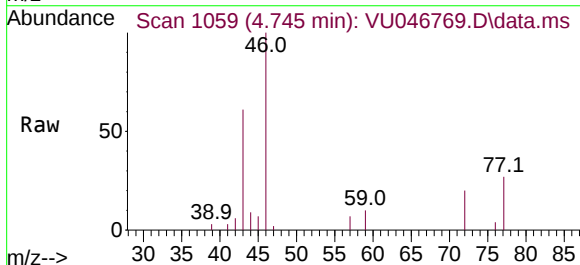
RT: 4.745 min Scan# 1059

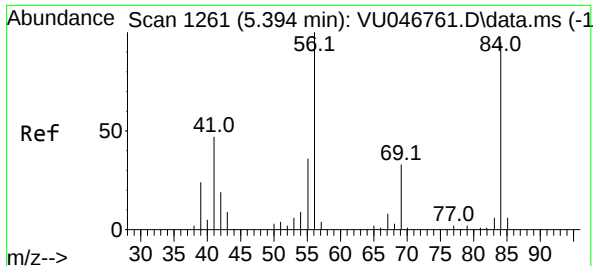
Delta R.T. 0.023 min

Lab File: VU046769.D

Acq: 17 Jan 2022 17:04

Tgt Ion:	43	Resp:	11405
Ion	Ratio	Lower	Upper
43	100		
72	19.4	15.6	46.8





#29

Cyclohexane

Concen: 2.178 ug/L

RT: 5.375 min Scan# 1255

Delta R.T. -0.019 min

Lab File: VU046769.D

Acq: 17 Jan 2022 17:04

Instrument :

MSVOA_U

ClientSampleId :

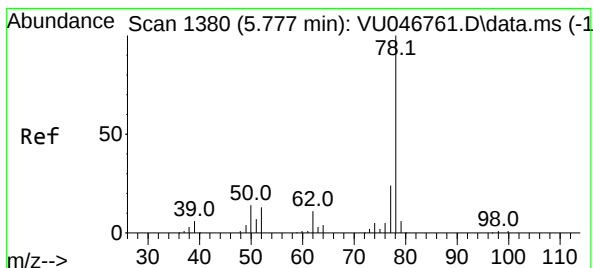
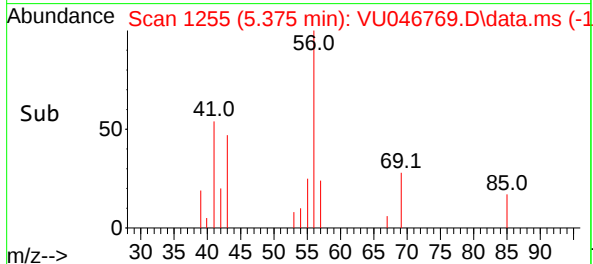
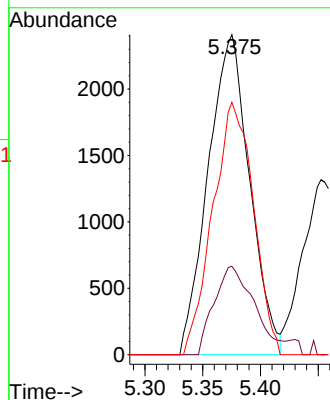
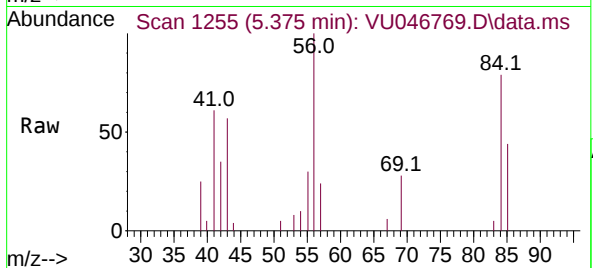
Tgt Ion: 56 Resp: 6026

Ion Ratio Lower Upper

56 100

69 26.9 25.8 38.6

84 77.2 74.2 111.2



#33

Benzene

Concen: 7.805 ug/L

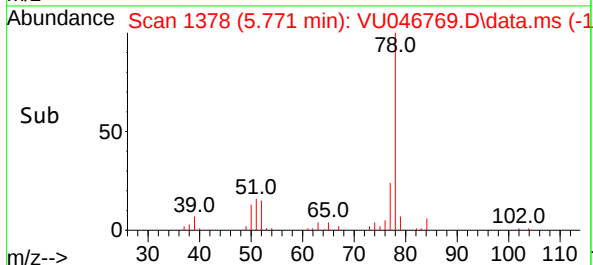
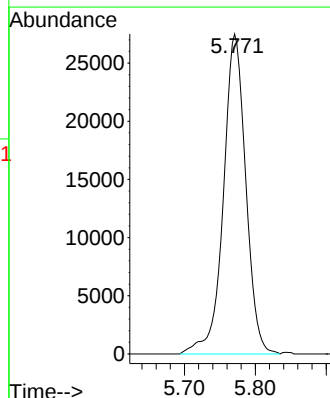
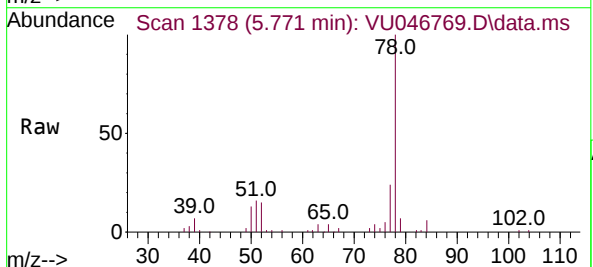
RT: 5.771 min Scan# 1378

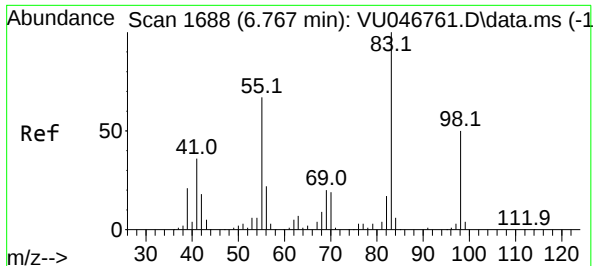
Delta R.T. -0.006 min

Lab File: VU046769.D

Acq: 17 Jan 2022 17:04

Tgt Ion: 78 Resp: 60414

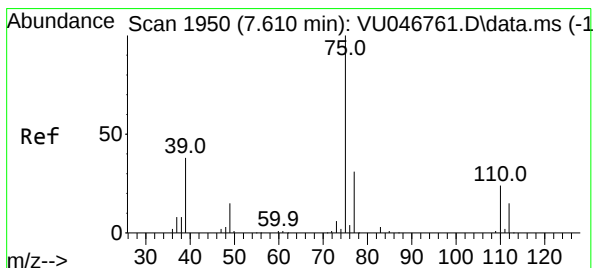
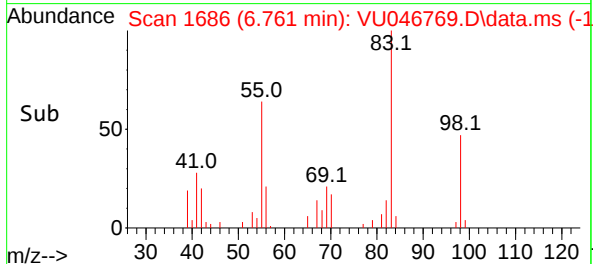
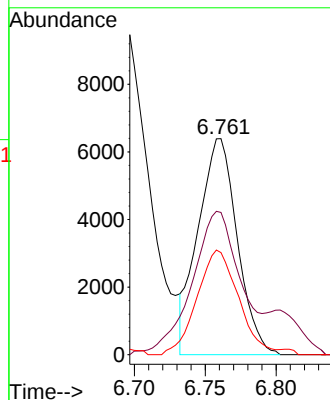
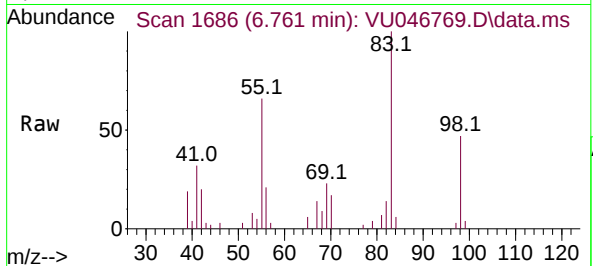




#35
Methylcyclohexane
Concen: 3.900 ug/L
RT: 6.761 min Scan# 1
Delta R.T. -0.006 min
Lab File: VU046769.D
Acq: 17 Jan 2022 17:04

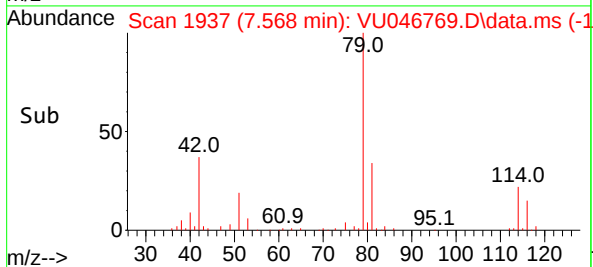
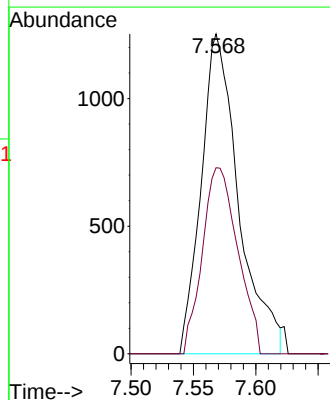
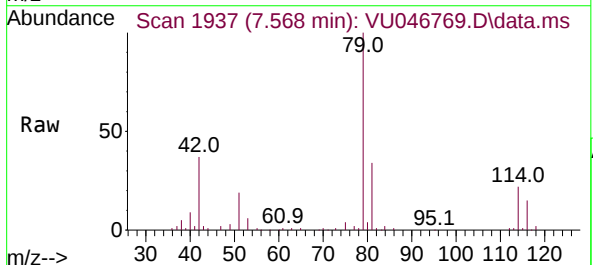
Instrument :
MSVOA_U
ClientSampleId :

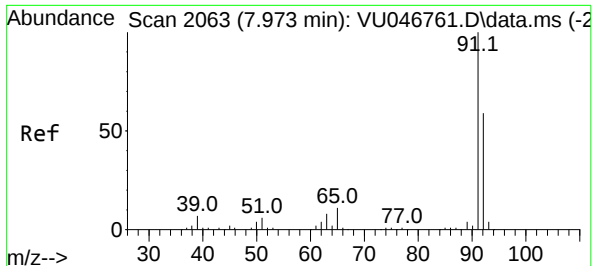
Tgt Ion: 83 Resp: 12296
Ion Ratio Lower Upper
83 100
55 77.0 56.6 85.0
98 51.0 38.4 57.6



#39
cis-1,3-Dichloropropene
Concen: 0.860 ug/L
RT: 7.568 min Scan# 1937
Delta R.T. -0.042 min
Lab File: VU046769.D
Acq: 17 Jan 2022 17:04

Tgt Ion: 75 Resp: 2621
Ion Ratio Lower Upper
75 100
77 58.2 22.3 41.3#





#42

Toluene

Concen: 12.821 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VU046769.D

Acq: 17 Jan 2022 17:04

Instrument :

MSVOA_U

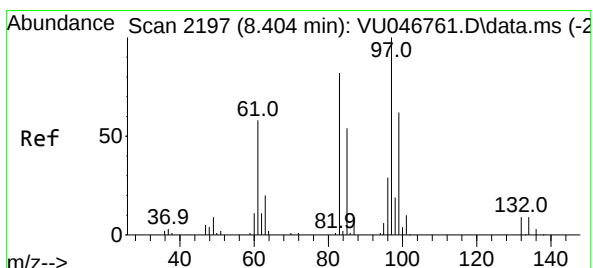
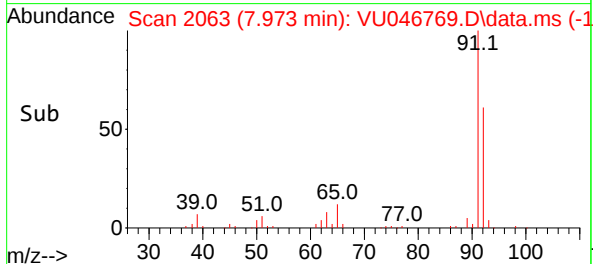
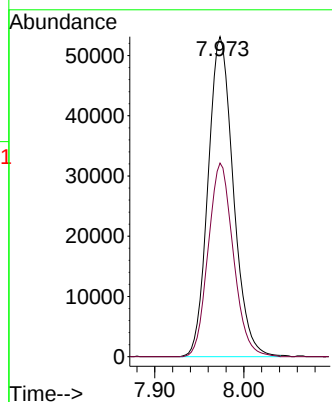
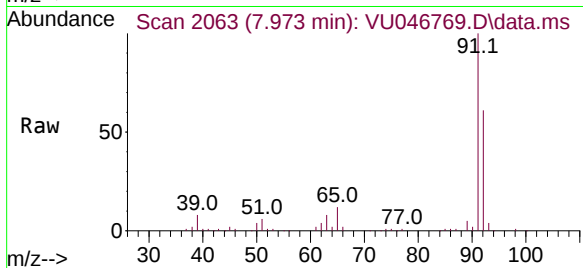
ClientSampleId :

Tgt Ion: 91 Resp: 104664

Ion Ratio Lower Upper

91 100

92 60.5 40.4 75.0



#45

1,1,2-Trichloroethane

Concen: 2.433 ug/L

RT: 8.372 min Scan# 2187

Delta R.T. -0.032 min

Lab File: VU046769.D

Acq: 17 Jan 2022 17:04

Tgt Ion: 97 Resp: 4923

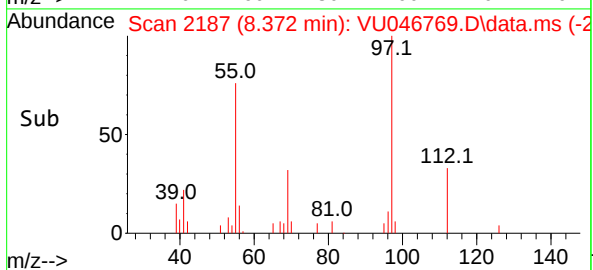
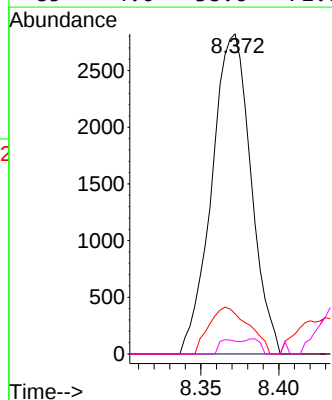
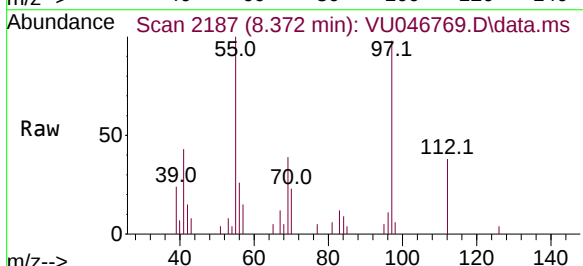
Ion Ratio Lower Upper

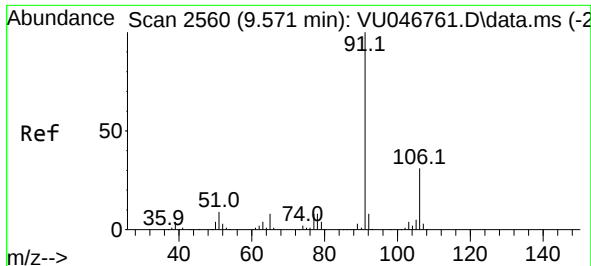
97 100

99 0.0 42.4 78.8#

83 12.5 59.4 110.4#

85 4.0 38.6 71.8#

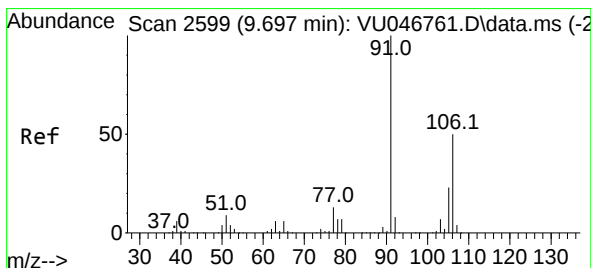
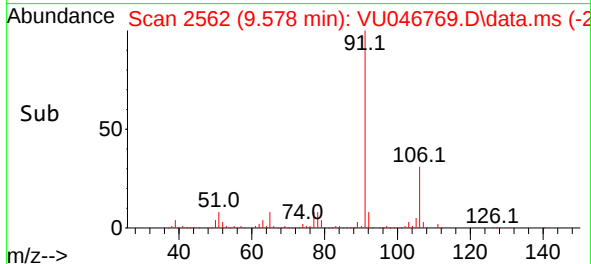
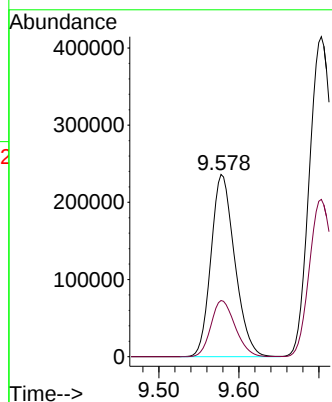
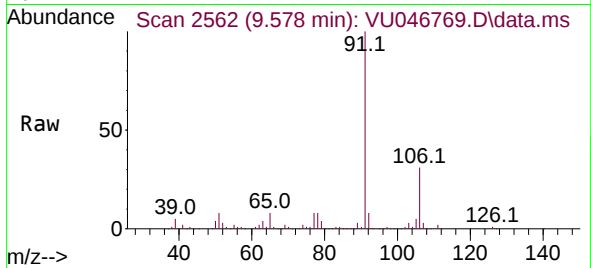




#52
Ethylbenzene
Concen: 56.321 ug/L
RT: 9.578 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU046769.D
Acq: 17 Jan 2022 17:04

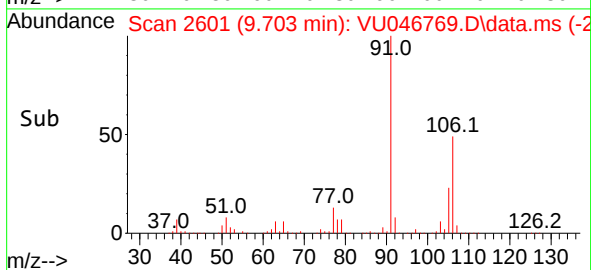
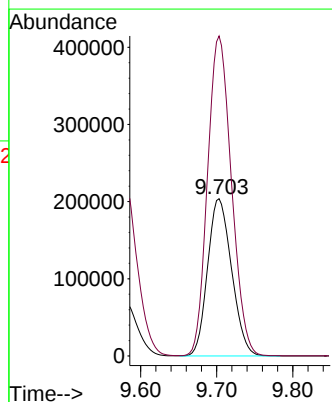
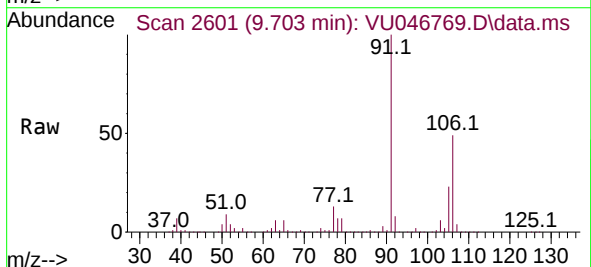
Instrument :
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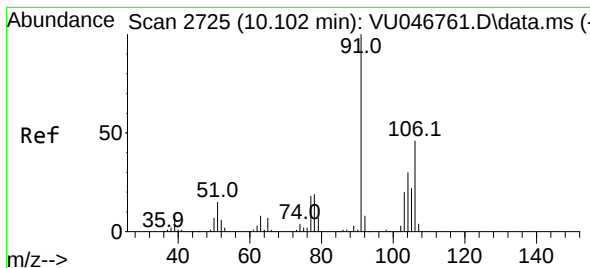
Tgt Ion: 91 Resp: 487779
Ion Ratio Lower Upper
91 100
106 30.8 21.8 40.4



#53
m,p-Xylene
Concen: 133.483 ug/L
RT: 9.703 min Scan# 2601
Delta R.T. 0.006 min
Lab File: VU046769.D
Acq: 17 Jan 2022 17:04

Tgt Ion: 106 Resp: 446482
Ion Ratio Lower Upper
106 100
91 203.5 145.5 270.1





#54

o-xylene

Concen: 71.416 ug/L

RT: 10.111 min Scan# 2725

Delta R.T. 0.010 min

Lab File: VU046769.D

Acq: 17 Jan 2022 17:04

Instrument :

MSVOA_U

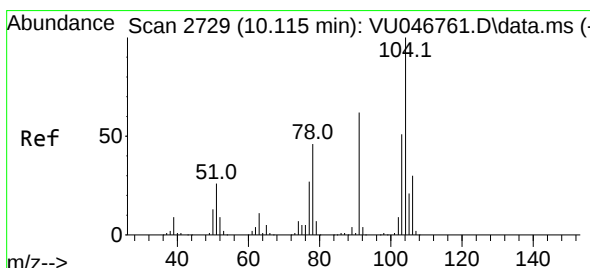
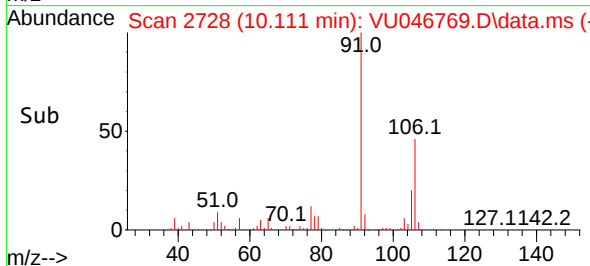
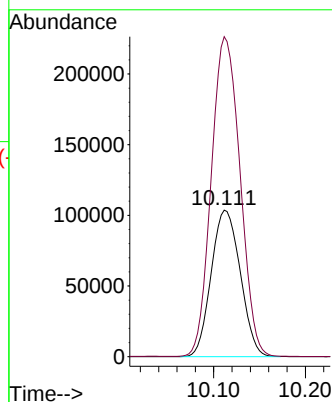
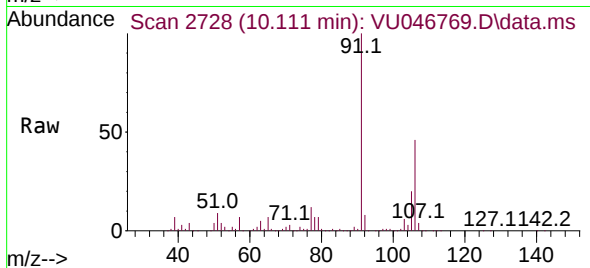
ClientSampleId :

Tgt Ion:106 Resp: 228424

Ion Ratio Lower Upper

106 100

91 218.3 152.0 282.2



#55

Styrene

Concen: 3.015 ug/L

RT: 10.118 min Scan# 2730

Delta R.T. 0.003 min

Lab File: VU046769.D

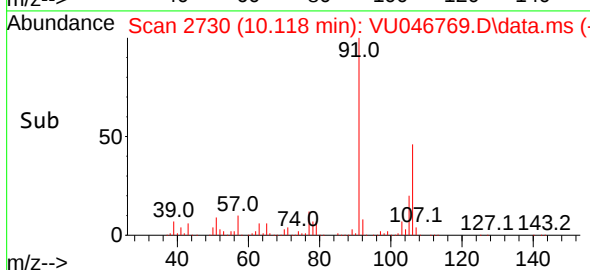
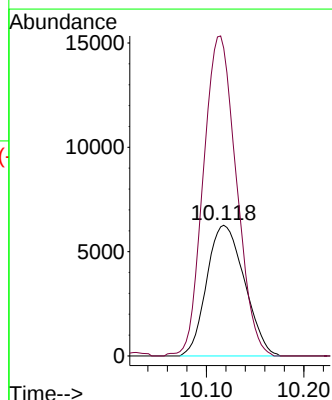
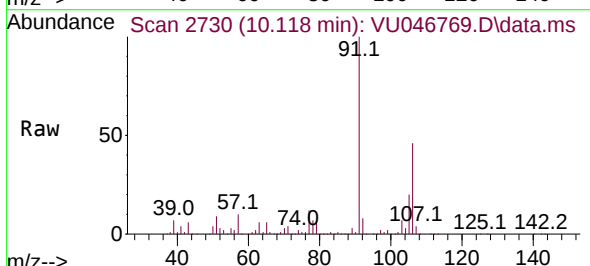
Acq: 17 Jan 2022 17:04

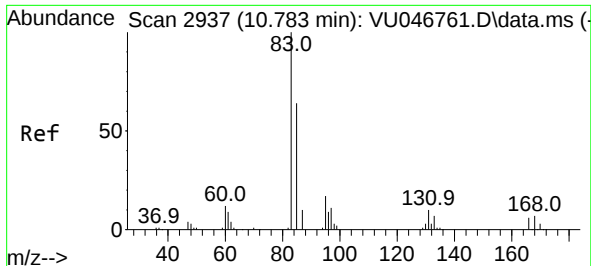
Tgt Ion:104 Resp: 16876

Ion Ratio Lower Upper

104 100

78 235.5 32.6 60.6#





#57

1,1,2,2-Tetrachloroethane

Concen: 1.387 ug/L

RT: 10.761 min Scan# 2937

Delta R.T. -0.022 min

Lab File: VU046769.D

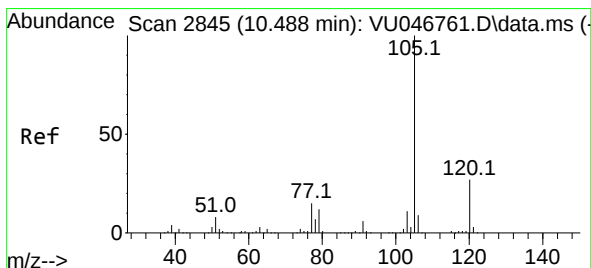
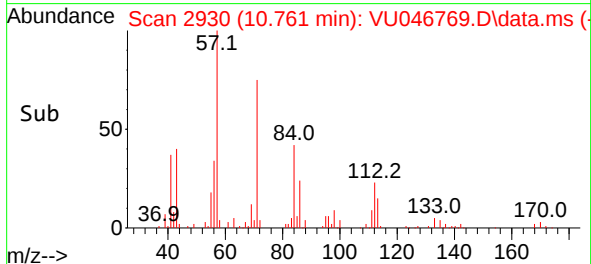
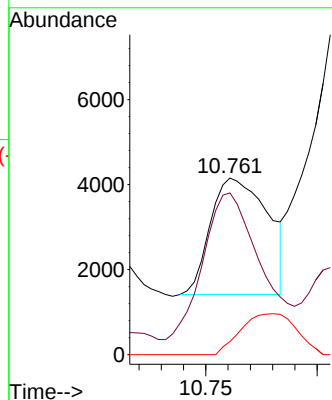
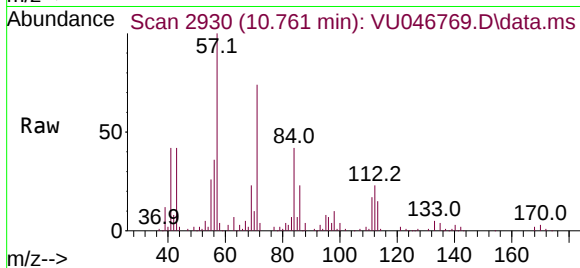
Acq: 17 Jan 2022 17:04

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 83 Resp: 4908
 Ion Ratio Lower Upper
 83 100
 85 91.6 44.7 83.1#
 131 7.4 7.8 11.6#



#61

Isopropylbenzene

Concen: 13.383 ug/L

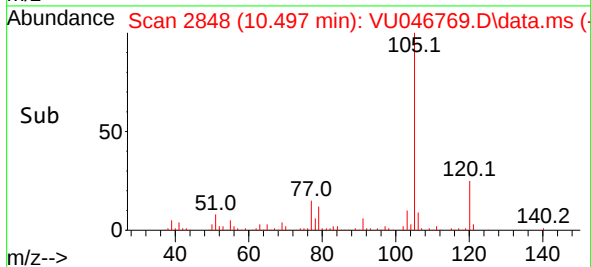
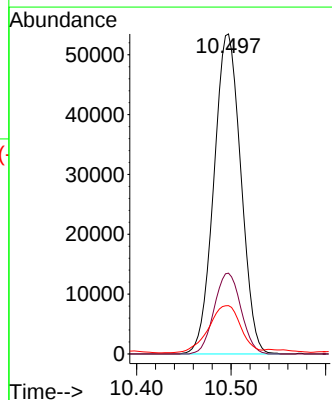
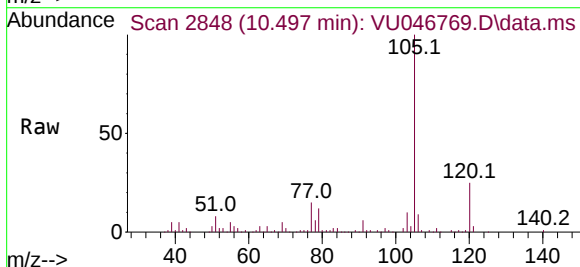
RT: 10.497 min Scan# 2848

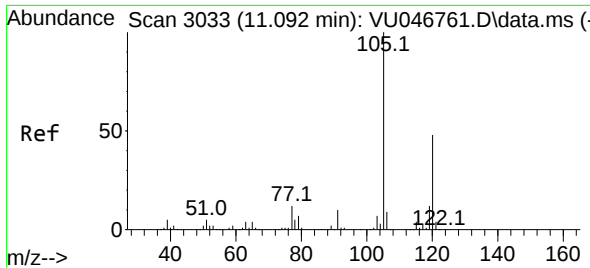
Delta R.T. 0.010 min

Lab File: VU046769.D

Acq: 17 Jan 2022 17:04

Tgt Ion: 105 Resp: 105979
 Ion Ratio Lower Upper
 105 100
 120 25.0 20.6 31.0
 77 17.7 12.6 18.8

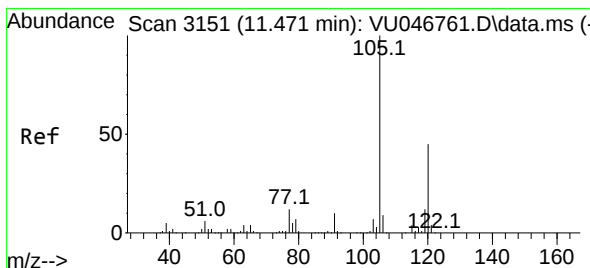
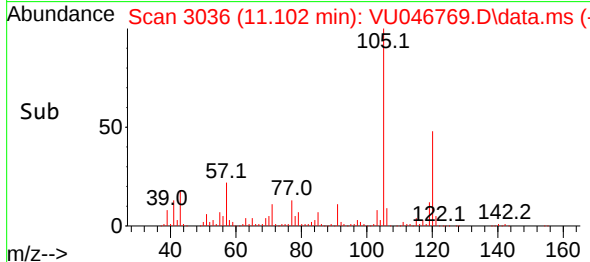
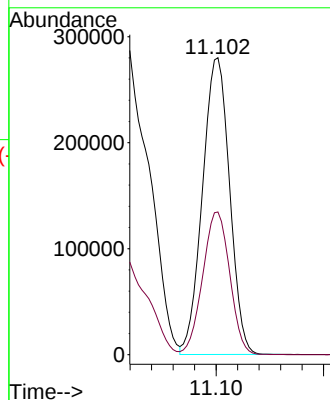
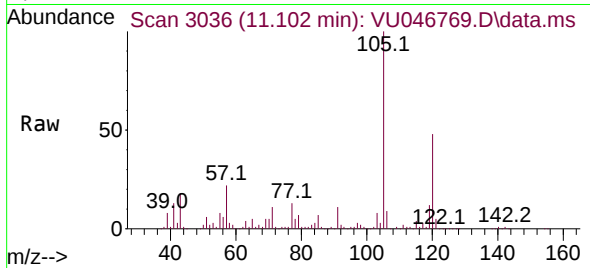




#62
 1,3,5-Trimethylbenzene
 Concen: 73.678 ug/L
 RT: 11.102 min Scan# 3033
 Delta R.T. 0.010 min
 Lab File: VU046769.D
 Acq: 17 Jan 2022 17:04

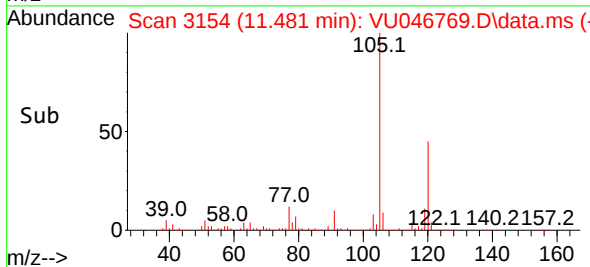
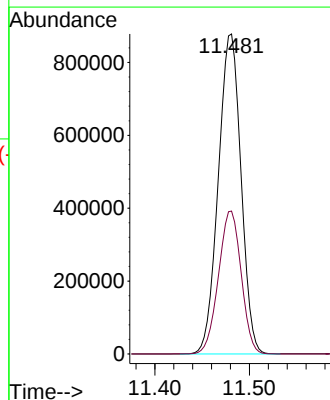
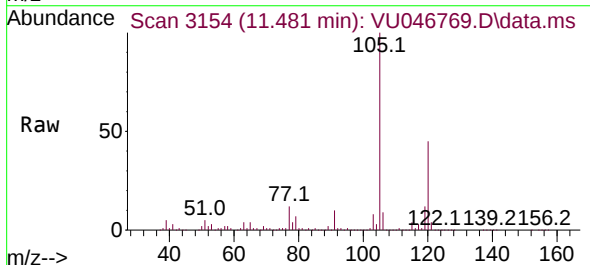
Instrument :
 MSVOA_U
 ClientSampleId :

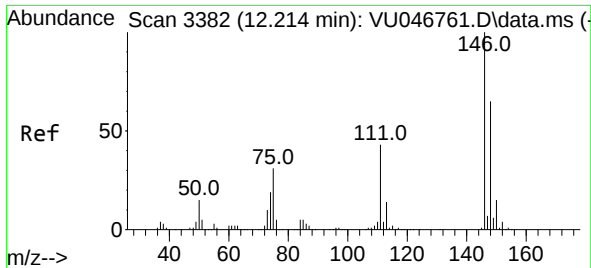
Tgt Ion:105 Resp: 490454
 Ion Ratio Lower Upper
 105 100
 120 48.0 38.4 57.6



#63
 1,2,4-Trimethylbenzene
 Concen: 220.380 ug/L
 RT: 11.481 min Scan# 3154
 Delta R.T. 0.010 min
 Lab File: VU046769.D
 Acq: 17 Jan 2022 17:04

Tgt Ion:105 Resp: 1461711
 Ion Ratio Lower Upper
 105 100
 120 44.7 35.4 53.2





#67

1,2-Dichlorobenzene

Concen: 11.275 ug/L

RT: 12.224 min Scan# 31

Delta R.T. 0.010 min

Lab File: VU046769.D

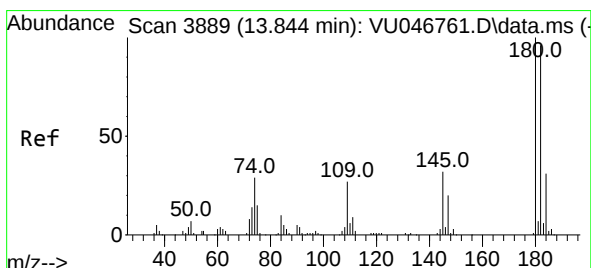
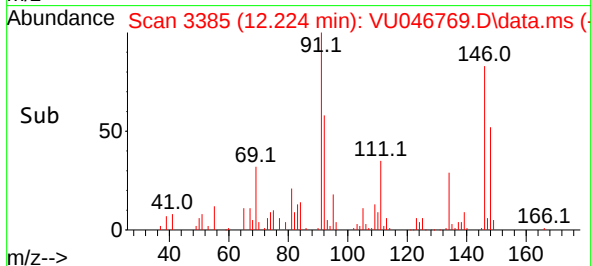
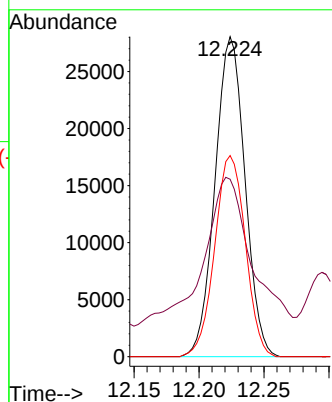
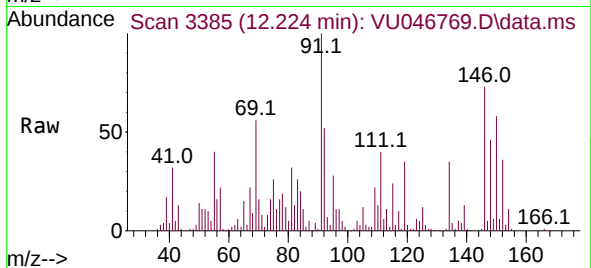
Acq: 17 Jan 2022 17:04

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:146	Resp:	44980
Ion Ratio	Lower	Upper
146	100	
111	55.5	34.2 51.4#
148	62.8	51.3 76.9



#70

1,2,4-trichlorobenzene

Concen: 22.359 ug/L

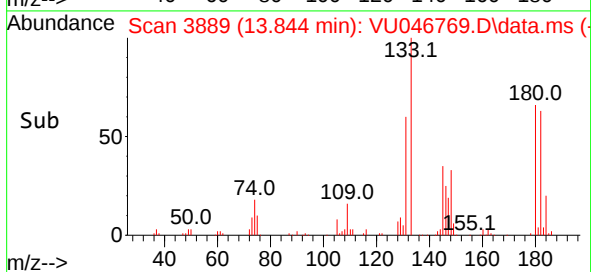
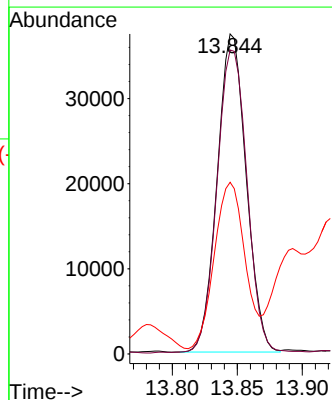
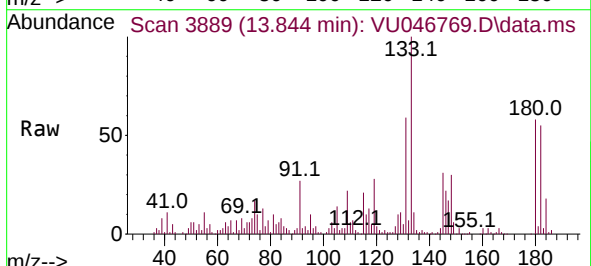
RT: 13.844 min Scan# 3889

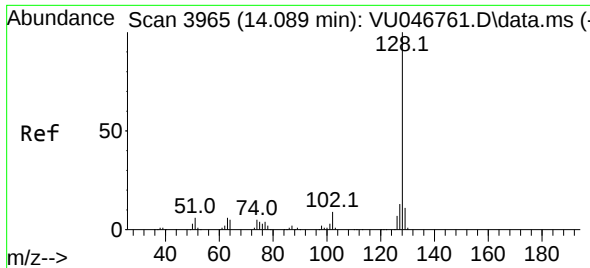
Delta R.T. 0.000 min

Lab File: VU046769.D

Acq: 17 Jan 2022 17:04

Tgt Ion:180	Resp:	58105
Ion Ratio	Lower	Upper
180	100	
182	98.0	76.6 114.8
145	54.8	25.2 37.8#

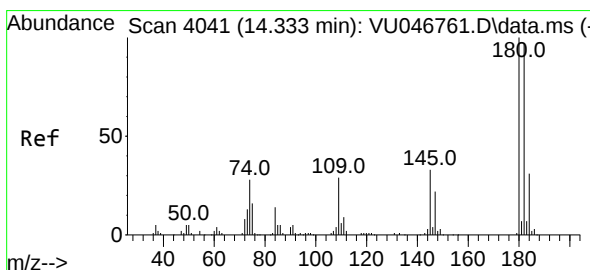
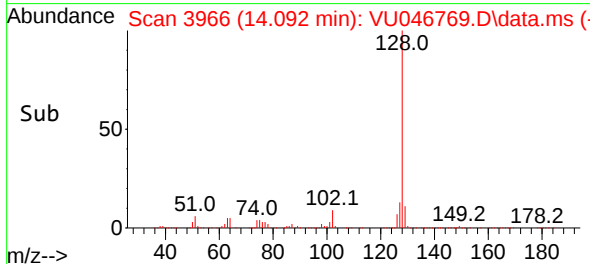
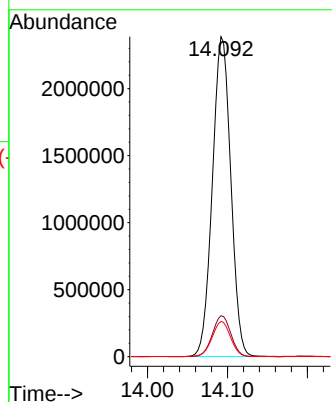
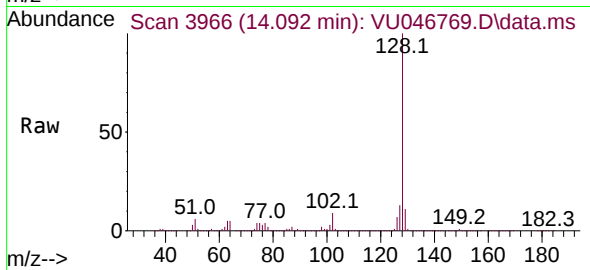




#71
Naphthalene
Concen: 451.035 ug/L
RT: 14.092 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU046769.D
Acq: 17 Jan 2022 17:04

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 3812057
Ion Ratio Lower Upper
128 100
127 12.9 10.1 15.1
129 11.1 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 3.566 ug/L
RT: 14.336 min Scan# 4042
Delta R.T. 0.003 min
Lab File: VU046769.D
Acq: 17 Jan 2022 17:04

Tgt Ion:180 Resp: 9365
Ion Ratio Lower Upper
180 100
182 102.5 76.6 115.0
145 306.2 27.4 41.2#

